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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : P4549

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4549

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4549-01	TT-TB-20241024
P4549-02	TT-067-IDWGW-20241024
P4549-03	TT-068-IDWGW-20241024
P4549-04	TT-069-IDWGW-20241024

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 : _____

Date: 10/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # P4549
Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:
4 Water samples were received on 10/24/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for VOCMS Group4.

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 VOCMS Group4 was based on method 624.1.

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.

Samples TT-067-IDWGW-20241024, TT-068-IDWGW-20241024 and TT-069-IDWGW-20241024 were analyzed with 4X dilution due to bad sample matrix.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

"As per method 624.1, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore

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MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead."

The SDG P4549 is logged for VOCMS group4. Chemtech is not certified for Hexachloroethane, Iodomethane, Methyl Methacrylate and tert-Butylbenzene compounds for 624.1 method.

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 <35% 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 > 35% for the Initial Calibration curve for SW-846 analysis.

F. 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_____

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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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4549 MATRIX: Water

METHOD: 624.1

		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. The Surrogate recoveries met the acceptable criteria.		✓	
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 TT-067-IDWGW-20241024, TT-068-IDWGW-20241024 and TT-069-IDWGW-20241024 were analyzed with 4X dilution due to bad sample matrix.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

"As per method 624.1, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead."

The SDG P4549 is logged for VOCMS group4. Chemtech is not certified for Hexachloroethane, Iodomethane, Methyl Methacrylate and tert-Butylbenzene compounds for 624.1 method.

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 <35% 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 > 35% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4549

	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:** 10/30/2024

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LAB CHRONICLE

OrderID:	P4549	**OrderDate:**	10/24/2024 4:00:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4549-01	**TT-TB-20241024**	**Water**			**10/24/24**			**10/24/24**
			VOCMS Group4	624.1			10/25/24	
P4549-02	**TT-067-IDWGW-2024 1024**	**Water**			**10/24/24**			**10/24/24**
			VOCMS Group4	624.1			10/25/24	
P4549-03	**TT-068-IDWGW-2024 1024**	**Water**			**10/24/24**			**10/24/24**
			VOCMS Group4	624.1			10/25/24	
P4549-04	**TT-069-IDWGW-2024 1024**	**Water**			**10/24/24**			**10/24/24**
			VOCMS Group4	624.1			10/25/24	

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Hit Summary Sheet
SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TT-067-IDWGW-20241024**							
P4549-02	TT-067-IDWGW-2(	Water	Trichloroethene	3.80	J	3.10	20.0	ug/L
			Total Voc :	3.80				
			Total Concentration:	3.80				
Client ID:	**TT-068-IDWGW-20241024**							
P4549-03	TT-068-IDWGW-2(	Water	Trichloroethene	25.2		3.10	20.0	ug/L
			Total Voc :	25.2				
			Total Concentration:	25.2				
Client ID:	**TT-069-IDWGW-20241024**							
P4549-04	TT-069-IDWGW-2(	Water	Trichloroethene	26.2		3.10	20.0	ug/L
			Total Voc :	26.2				
			Total Concentration:	26.2				

QC SUMMARY

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Surrogate Summary

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4549-01	TT-TB-20241024	1,2-Dichloroethane-d4	30	30.1	100	91	110
		Toluene-d8	30	29.3	98	91	112
		4-Bromofluorobenzene	30	25.2	84	63	112
P4549-02	TT-067-IDWGW-20241024	1,2-Dichloroethane-d4	30	30.0	100	91	110
		Toluene-d8	30	28.6	95	91	112
		4-Bromofluorobenzene	30	25.2	84	63	112
P4549-03	TT-068-IDWGW-20241024	1,2-Dichloroethane-d4	30	30.9	103	91	110
		Toluene-d8	30	28.6	95	91	112
		4-Bromofluorobenzene	30	24.7	82	63	112
P4549-04	TT-069-IDWGW-20241024	1,2-Dichloroethane-d4	30	30.3	101	91	110
		Toluene-d8	30	29.1	97	91	112
		4-Bromofluorobenzene	30	25.8	86	63	112
VN1025WBL01	VN1025WBL01	1,2-Dichloroethane-d4	30	30.0	100	91	110
		Toluene-d8	30	30.1	100	91	112
		4-Bromofluorobenzene	30	26.2	87	63	112
VN1025WBS01	VN1025WBS01	1,2-Dichloroethane-d4	30	30.3	101	91	110
		Toluene-d8	30	29.9	100	91	112
		4-Bromofluorobenzene	30	30.6	102	63	112
VN1025WBSD0	VN1025WBSD01	1,2-Dichloroethane-d4	30	30.3	101	91	110
		Toluene-d8	30	29.5	98	91	112
		4-Bromofluorobenzene	30	30.3	101	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN084505.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1025WBS01	Dichlorodifluoromethane	20	17.5	ug/L	88			72	118	
	Chloromethane	20	17.5	ug/L	88			1	205	
	Vinyl Chloride	20	18.2	ug/L	91			5	195	
	Bromomethane	20	17.5	ug/L	88			15	185	
	Chloroethane	20	18.5	ug/L	93			40	160	
	Trichlorofluoromethane	20	18.7	ug/L	94			50	150	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100			64	127	
	1,1-Dichloroethene	20	18.5	ug/L	93			50	150	
	Acrolein	100	99.2	ug/L	99			60	140	
	Acrylonitrile	100	89.2	ug/L	89			60	140	
	Acetone	100	110	ug/L	110			41	148	
	Carbon disulfide	20	16.5	ug/L	83			76	107	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			82	114	
	Methyl Acetate	20	21.2	ug/L	106			63	139	
	Methylene Chloride	20	19.0	ug/L	95			60	140	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			70	130	
	1,1-Dichloroethane	20	18.8	ug/L	94			70	130	
	Cyclohexane	20	17.5	ug/L	88			79	113	
	2-Butanone	100	95.6	ug/L	96			69	129	
	Carbon Tetrachloride	20	18.7	ug/L	94			70	130	
	2,2-Dichloropropane	20	19.4	ug/L	97			62	139	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			81	112	
	Chloroform	20	19.4	ug/L	97			70	135	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			70	130	
	Methylcyclohexane	20	17.4	ug/L	87			79	112	
	1,1-Dichloropropene	20	17.8	ug/L	89			70	139	
	Benzene	20	18.2	ug/L	91			65	135	
	1,2-Dichloroethane	20	18.8	ug/L	94			70	130	
	Trichloroethene	20	18.5	ug/L	93			65	135	
	1,2-Dichloropropane	20	18.4	ug/L	92			35	165	
	Dibromomethane	20	18.4	ug/L	92			72	138	
	Bromodichloromethane	20	19.2	ug/L	96			65	135	
	4-Methyl-2-Pentanone	100	92.6	ug/L	93			73	131	
	Toluene	20	18.8	ug/L	94			70	130	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			50	150	
	cis-1,3-Dichloropropene	20	18.1	ug/L	91			25	175	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			70	130	
	1,3-Dichloropropane	20	18.7	ug/L	94			70	141	
	2-Hexanone	100	94.4	ug/L	94			72	128	
	Dibromochloromethane	20	18.9	ug/L	95			70	135	
	1,2-Dibromoethane	20	18.0	ug/L	90			86	114	
	Tetrachloroethene	20	19.3	ug/L	97			70	130	
	Chlorobenzene	20	18.5	ug/L	93			65	135	
	1,1,1,2-Tetrachloroethane	20	19.3	ug/L	97			63	138	
	Hexachloroethane	20	18.3	ug/L	92			70	130	
	Ethyl Benzene	20	18.6	ug/L	93			60	140	
	m/p-Xylenes	40	37.6	ug/L	94			87	111	
	o-Xylene	20	18.4	ug/L	92			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN084505.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1025WBS01	Styrene	20	18.8	ug/L	94			85	106	
	Bromoform	20	17.9	ug/L	90			70	130	
	Isopropylbenzene	20	19.0	ug/L	95			86	112	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			60	140	
	1,2,3-Trichloropropane	20	18.0	ug/L	90			61	148	
	Bromobenzene	20	19.1	ug/L	96			59	142	
	N-propylbenzene	20	19.0	ug/L	95			67	139	
	2-Chlorotoluene	20	19.0	ug/L	95			66	138	
	1,3,5-Trimethylbenzene	20	19.1	ug/L	96			66	139	
	4-Chlorotoluene	20	18.8	ug/L	94			66	141	
	tert-Butylbenzene	20	19.2	ug/L	96			56	140	
	1,2,4-Trimethylbenzene	20	19.0	ug/L	95			63	142	
	Sec-butylbenzene	20	19.0	ug/L	95			63	144	
	p-Isopropyltoluene	20	18.6	ug/L	93			57	147	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			70	130	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			65	135	
	n-Butylbenzene	20	18.4	ug/L	92			49	157	
	1,2-Dichlorobenzene	20	19.1	ug/L	96			65	135	
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			69	122	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			61	118	
	Hexachlorobutadiene	20	18.5	ug/L	93			16	187	
	Naphthalene	20	16.8	ug/L	84			45	152	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			38	159	
	Methyl iodide	20	17.8	ug/L	89			70	130	
	Methyl methacrylate	20	17.2	ug/L	86			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN084506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1025WBSD01	Dichlorodifluoromethane	20	17.2	ug/L	86	2		72	118	20
	Chloromethane	20	16.8	ug/L	84	5		1	205	20
	Vinyl Chloride	20	18.0	ug/L	90	1		5	195	20
	Bromomethane	20	17.2	ug/L	86	2		15	185	20
	Chloroethane	20	18.6	ug/L	93	0		40	160	20
	Trichlorofluoromethane	20	18.3	ug/L	92	2		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	18.9	ug/L	95	5		64	127	20
	1,1-Dichloroethene	20	17.9	ug/L	90	3		50	150	20
	Acrolein	100	100	ug/L	100	1		60	140	20
	Acrylonitrile	100	92.5	ug/L	93	4		60	140	20
	Acetone	100	110	ug/L	110	0		41	148	20
	Carbon disulfide	20	15.9	ug/L	79	5		76	107	20
	Methyl tert-butyl Ether	20	19.1	ug/L	96	2		82	114	20
	Methyl Acetate	20	21.9	ug/L	110	4		63	139	20
	Methylene Chloride	20	18.7	ug/L	94	1		60	140	20
	trans-1,2-Dichloroethene	20	17.5	ug/L	88	1		70	130	20
	1,1-Dichloroethane	20	18.7	ug/L	94	0		70	130	20
	Cyclohexane	20	17.2	ug/L	86	2		79	113	20
	2-Butanone	100	97.6	ug/L	98	2		69	129	20
	Carbon Tetrachloride	20	18.5	ug/L	93	1		70	130	20
	2,2-Dichloropropane	20	19.2	ug/L	96	1		62	139	20
	cis-1,2-Dichloroethene	20	18.4	ug/L	92	1		81	112	20
	Chloroform	20	18.8	ug/L	94	3		70	135	20
	1,1,1-Trichloroethane	20	18.2	ug/L	91	0		70	130	20
	Methylcyclohexane	20	17.1	ug/L	86	1		79	112	20
	1,1-Dichloropropene	20	17.5	ug/L	88	1		70	139	20
	Benzene	20	18.5	ug/L	93	2		65	135	20
	1,2-Dichloroethane	20	18.7	ug/L	94	0		70	130	20
	Trichloroethene	20	18.5	ug/L	93	0		65	135	20
	1,2-Dichloropropane	20	18.2	ug/L	91	1		35	165	20
	Dibromomethane	20	18.4	ug/L	92	0		72	138	20
	Bromodichloromethane	20	18.5	ug/L	93	3		65	135	20
	4-Methyl-2-Pentanone	100	95.9	ug/L	96	3		73	131	20
	Toluene	20	18.6	ug/L	93	1		70	130	20
	t-1,3-Dichloropropene	20	17.8	ug/L	89	0		50	150	20
	cis-1,3-Dichloropropene	20	18.6	ug/L	93	2		25	175	20
	1,1,2-Trichloroethane	20	18.6	ug/L	93	1		70	130	20
	1,3-Dichloropropane	20	18.5	ug/L	93	1		70	141	20
	2-Hexanone	100	97.3	ug/L	97	3		72	128	20
	Dibromochloromethane	20	18.3	ug/L	92	3		70	135	20
	1,2-Dibromoethane	20	18.0	ug/L	90	0		86	114	20
	Tetrachloroethene	20	18.5	ug/L	93	4		70	130	20
	Chlorobenzene	20	18.5	ug/L	93	0		65	135	20
	1,1,1,2-Tetrachloroethane	20	18.9	ug/L	95	2		63	138	20
	Hexachloroethane	20	17.6	ug/L	88	4		70	130	20
	Ethyl Benzene	20	18.2	ug/L	91	2		60	140	20
	m/p-Xylenes	40	37.3	ug/L	93	1		87	111	20
	o-Xylene	20	18.5	ug/L	93	1		87	111	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4549

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN084506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1025WBSD01	Styrene	20	18.3	ug/L	92	2		85	106	20
	Bromoform	20	18.2	ug/L	91	1		70	130	20
	Isopropylbenzene	20	18.5	ug/L	93	2		86	112	20
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96	1		60	140	20
	1,2,3-Trichloropropane	20	21.3	ug/L	106	16		61	148	20
	Bromobenzene	20	18.2	ug/L	91	5		59	142	20
	N-propylbenzene	20	18.3	ug/L	92	3		67	139	20
	2-Chlorotoluene	20	18.6	ug/L	93	2		66	138	20
	1,3,5-Trimethylbenzene	20	18.5	ug/L	93	3		66	139	20
	4-Chlorotoluene	20	18.3	ug/L	92	2		66	141	20
	tert-Butylbenzene	20	18.8	ug/L	94	2		56	140	20
	1,2,4-Trimethylbenzene	20	18.1	ug/L	91	4		63	142	20
	Sec-butylbenzene	20	18.5	ug/L	93	2		63	144	20
	p-Isopropyltoluene	20	18.3	ug/L	92	1		57	147	20
	1,3-Dichlorobenzene	20	18.5	ug/L	93	3		70	130	20
	1,4-Dichlorobenzene	20	18.0	ug/L	90	5		65	135	20
	n-Butylbenzene	20	17.4	ug/L	87	6		49	157	20
	1,2-Dichlorobenzene	20	18.4	ug/L	92	4		65	135	20
	1,2-Dibromo-3-Chloropropane	20	19.0	ug/L	95	1		69	122	20
	1,2,4-Trichlorobenzene	20	17.6	ug/L	88	2		61	118	20
	Hexachlorobutadiene	20	17.6	ug/L	88	6		16	187	20
	Naphthalene	20	16.7	ug/L	84	0		45	152	20
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88	2		38	159	20
	Methyl iodide	20	17.5	ug/L	88	1		70	130	20
	Methyl methacrylate	20	18.0	ug/L	90	5		70	130	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1025WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Lab File ID: VN084507.D Lab Sample ID: VN1025WBL01

Date Analyzed: 10/25/2024 Time Analyzed: 11:27

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
VN1025WBS01	VN1025WBS01	VN084505.D	10/25/2024
VN1025WBSD01	VN1025WBSD01	VN084506.D	10/25/2024
TT-TB-20241024	P4549-01	VN084512.D	10/25/2024
TT-068-IDWGW-20241024	P4549-03	VN084515.D	10/25/2024
TT-067-IDWGW-20241024	P4549-02	VN084516.D	10/25/2024
TT-069-IDWGW-20241024	P4549-04	VN084517.D	10/25/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Lab File ID: VN084336.D BFB Injection Date: 10/08/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:08

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
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.3 (95.4) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 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
VSTDICC150	VSTDICC150	VN084337.D	10/08/2024	09:43
VSTDICC100	VSTDICC100	VN084338.D	10/08/2024	10:07
VSTDICC050	VSTDICC050	VN084339.D	10/08/2024	10:31
VSTDICCC020	VSTDICCC020	VN084340.D	10/08/2024	10:55
VSTDICC005	VSTDICC005	VN084341.D	10/08/2024	11:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Lab File ID: VN084502.D BFB Injection Date: 10/25/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:21

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	19.4
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	72.6 (95.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 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
VSTDCCC020	VSTDCCC020	VN084504.D	10/25/2024	10:04
VN1025WBS01	VN1025WBS01	VN084505.D	10/25/2024	10:40
VN1025WBSD01	VN1025WBSD01	VN084506.D	10/25/2024	11:04
VN1025WBL01	VN1025WBL01	VN084507.D	10/25/2024	11:27
TT-TB-20241024	P4549-01	VN084512.D	10/25/2024	13:39
TT-068-IDWGW-20241024	P4549-03	VN084515.D	10/25/2024	14:51
TT-067-IDWGW-20241024	P4549-02	VN084516.D	10/25/2024	15:15
TT-069-IDWGW-20241024	P4549-04	VN084517.D	10/25/2024	15:39
VSTDCCC020EC	VSTDCCC020	VN084527.D	10/25/2024	19:37

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG NO.: P4549

Lab File ID: VN084504.D Date Analyzed: 10/25/2024

Instrument ID: MSVOA_N Time Analyzed: 10:04

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	35506	7.81	200200	9.10	180518	11.87
UPPER LIMIT	71012	8.312	400400	9.6	361036	12.365
LOWER LIMIT	17753	7.312	100100	8.6	90259	11.365
EPA SAMPLE NO.						
TT-TB-20241024	29940	7.82	152700	9.10	136002	11.87
TT-067-IDWGW-20241024	28275	7.81	137388	9.10	125598	11.87
TT-068-IDWGW-20241024	29141	7.82	145814	9.10	133742	11.87
TT-069-IDWGW-20241024	27891	7.81	142505	9.10	128076	11.87
VN1025WBL01	32302	7.81	175246	9.10	150285	11.87
VN1025WBS01	35006	7.81	196424	9.10	178483	11.87
VN1025WBSD01	34702	7.81	195213	9.10	177752	11.87

IS1 = Bromochloromethane
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.

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-TB-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084512.D	1		10/25/24 13:39	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
107-02-8	Acrolein	9.30	U	9.30	25.0	ug/L
107-13-1	Acrylonitrile	3.70	U	3.70	25.0	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	1.10	U	1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.75	U	0.75	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-TB-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084512.D	1		10/25/24 13:39	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.70	U	0.70	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.91	U	0.91	5.00	ug/L
67-72-1	Hexachloroethane	0.91	U	0.91	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	1.70	U	1.70	5.00	ug/L
108-86-1	Bromobenzene	0.69	U	0.69	5.00	ug/L
103-65-1	n-propylbenzene	0.80	U	0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	0.81	U	0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	0.82	U	0.82	5.00	ug/L
98-06-6	tert-butylbenzene	0.77	U	0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.83	U	0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	0.77	U	0.77	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-TB-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084512.D	1		10/25/24 13:39	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.82	U	0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
104-51-8	n-Butylbenzene	0.86	U	0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.40	U	1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
74-88-4	Methyl Iodide	0.94	U	0.94	5.00	ug/L
80-62-6	Methyl methacrylate	1.00	U	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.1		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	29.3		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.2		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29900	7.818			
540-36-3	1,4-Difluorobenzene	153000	9.1			
3114-55-4	Chlorobenzene-d5	136000	11.865			

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\VN102524\
Data File : VN084512.D
Acq On : 25 Oct 2024 13:39
Operator : JC\MD
Sample : P4549-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241024

Quant Time: Oct 26 05:28:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

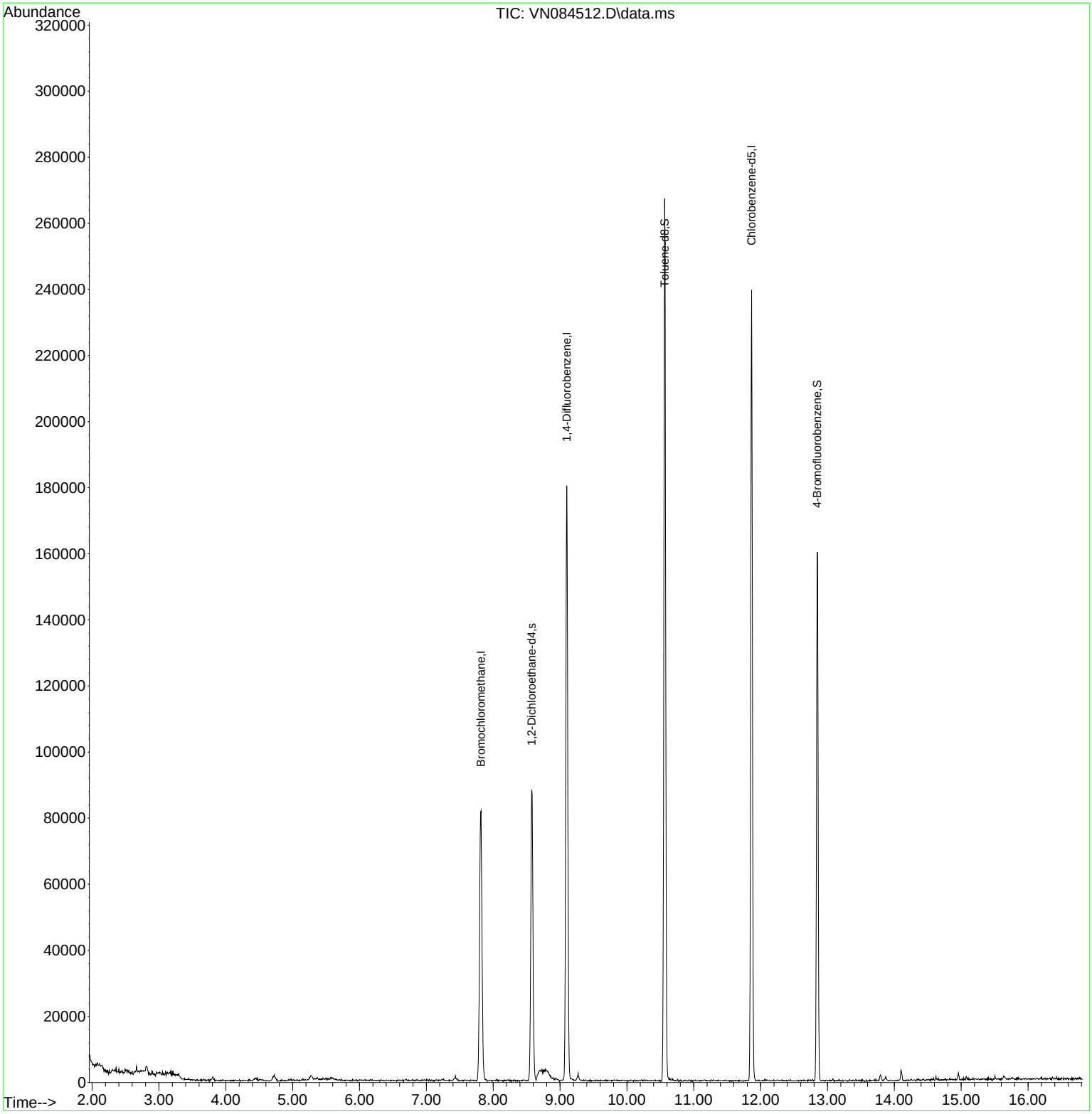
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	29940	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	152700	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136002	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	72511	30.082	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.267%			
60) 4-Bromofluorobenzene	12.847	95	56463	25.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.867%			
63) Toluene-d8	10.565	98	184720	29.318	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.733%			
Target Compounds						Qvalue

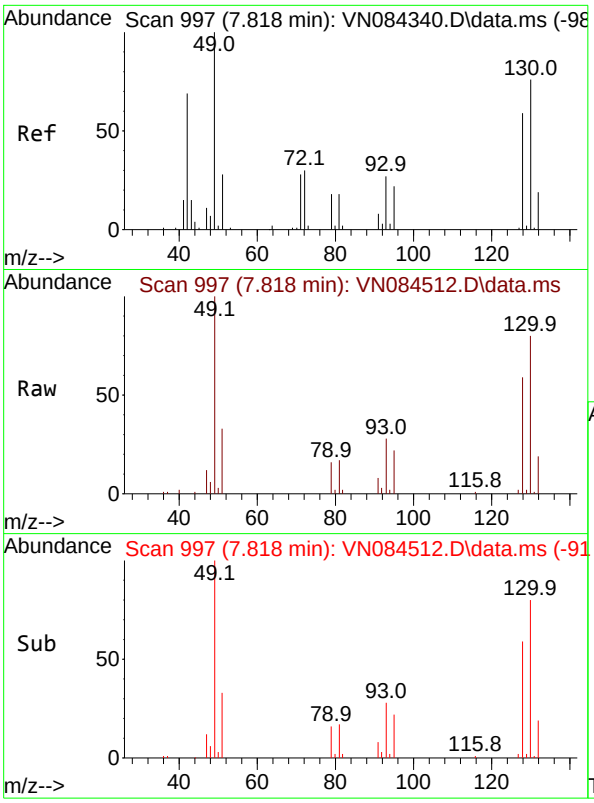
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084512.D
Acq On : 25 Oct 2024 13:39
Operator : JC\MD
Sample : P4549-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241024

Quant Time: Oct 26 05:28:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



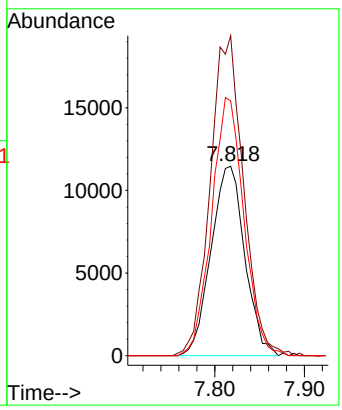


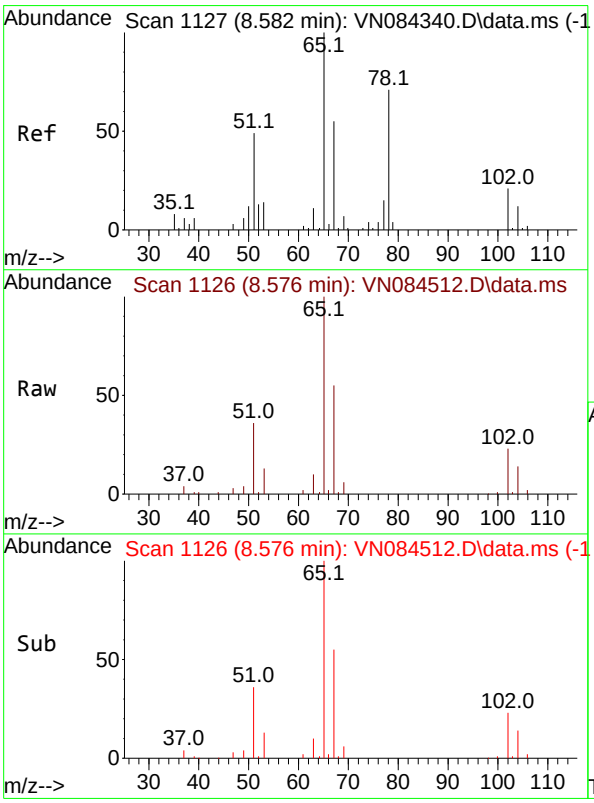
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241024

Tgt Ion:128 Resp: 29940

Ion	Ratio	Lower	Upper
128	100		
49	166.2	0.0	430.0
130	130.0	0.0	329.8

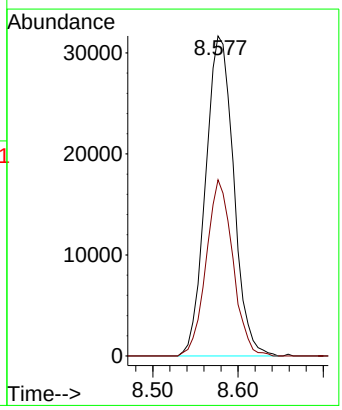


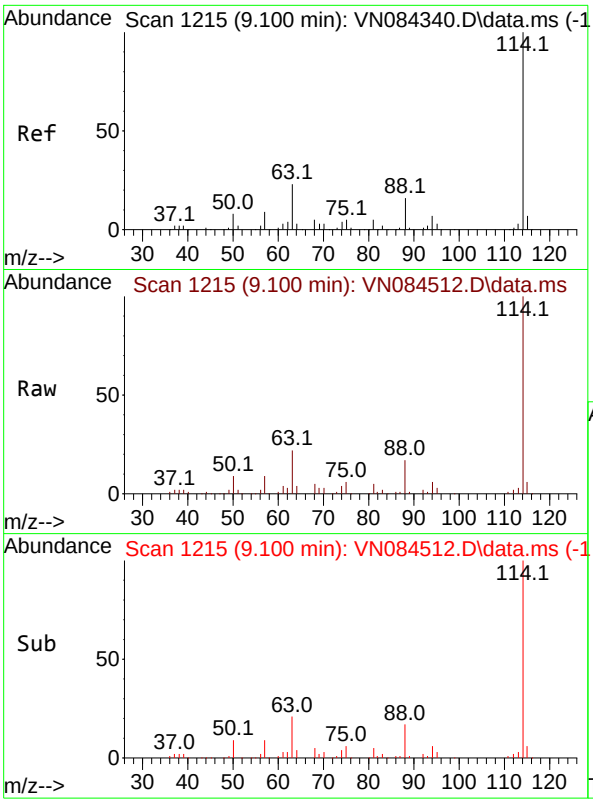


#27
1,2-Dichloroethane-d4
Concen: 30.082 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 65 Resp: 72511

Ion	Ratio	Lower	Upper
65	100		
67	52.3	41.5	62.3



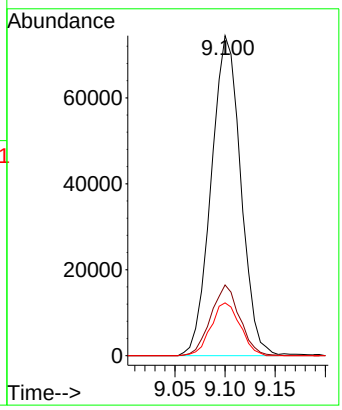


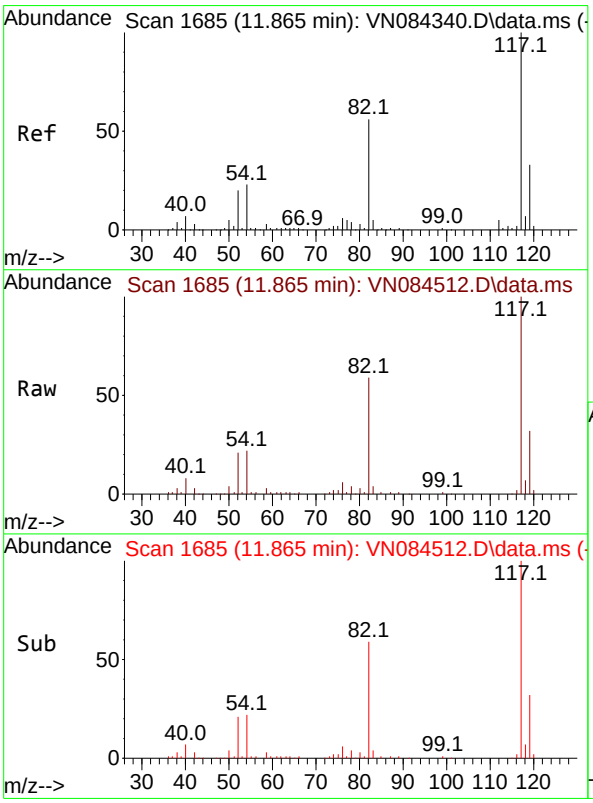
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241024

Tgt Ion:114 Resp: 152700

Ion	Ratio	Lower	Upper
114	100		
63	21.6	17.4	26.0
88	16.3	13.2	19.8

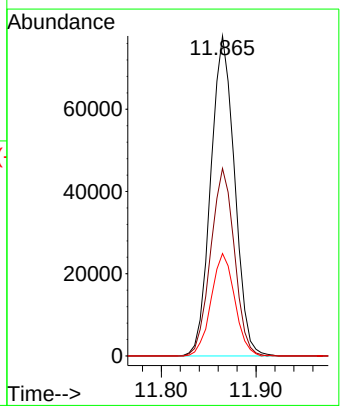


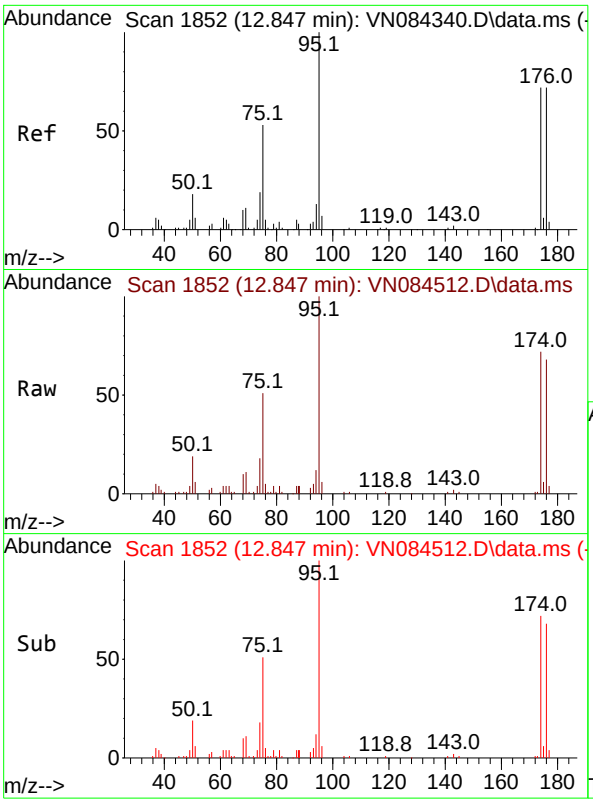


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion:117 Resp: 136002

Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.2	69.4
119	31.7	25.4	38.2



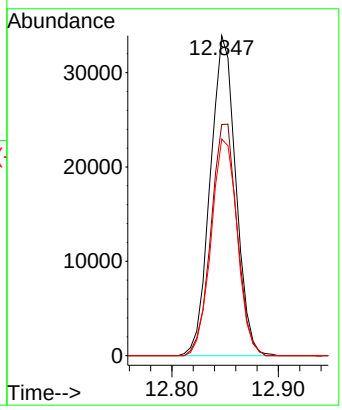


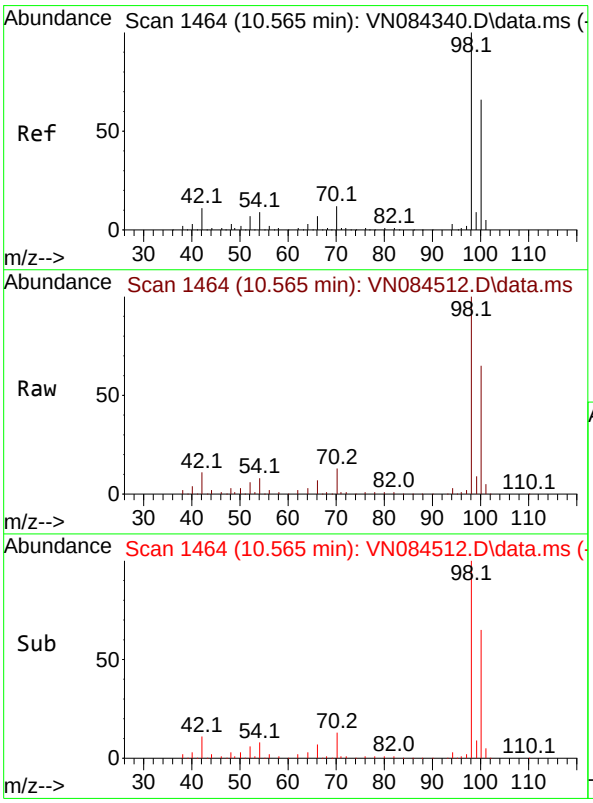
#60
4-Bromofluorobenzene
Concen: 25.155 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241024

Tgt Ion: 95 Resp: 56463

Ion	Ratio	Lower	Upper
95	100		
174	74.1	58.2	87.2
176	69.4	56.4	84.6

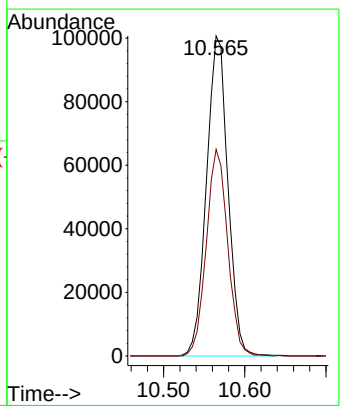




#63
Toluene-d8
Concen: 29.318 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084512.D
Acq: 25 Oct 2024 13:39

Tgt Ion: 98 Resp: 184720

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.5	78.7



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-067-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084516.D	4		10/25/24 15:15	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.90	U	4.90	20.0	ug/L
74-87-3	Chloromethane	4.70	U	4.70	20.0	ug/L
75-01-4	Vinyl Chloride	4.90	U	4.90	20.0	ug/L
74-83-9	Bromomethane	5.50	U	5.50	20.0	ug/L
75-00-3	Chloroethane	11.7	U	11.7	20.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	U	4.20	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.20	U	4.20	20.0	ug/L
107-02-8	Acrolein	37.2	U	37.2	100	ug/L
107-13-1	Acrylonitrile	14.7	U	14.7	100	ug/L
67-64-1	Acetone	19.6	U	19.6	100	ug/L
75-15-0	Carbon Disulfide	3.70	U	3.70	20.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	3.30	U	3.30	20.0	ug/L
79-20-9	Methyl Acetate	4.90	U	4.90	20.0	ug/L
75-09-2	Methylene Chloride	4.80	U	4.80	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	3.80	U	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	3.20	U	3.20	20.0	ug/L
110-82-7	Cyclohexane	4.10	U	4.10	20.0	ug/L
78-93-3	2-Butanone	14.2	U	14.2	100	ug/L
56-23-5	Carbon Tetrachloride	3.60	U	3.60	20.0	ug/L
594-20-7	2,2-Dichloropropane	4.60	U	4.60	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3.60	U	3.60	20.0	ug/L
67-66-3	Chloroform	2.90	U	2.90	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	20.0	ug/L
108-87-2	Methylcyclohexane	3.60	U	3.60	20.0	ug/L
563-58-6	1,1-Dichloropropene	3.00	U	3.00	20.0	ug/L
71-43-2	Benzene	2.80	U	2.80	20.0	ug/L
107-06-2	1,2-Dichloroethane	3.00	U	3.00	20.0	ug/L
79-01-6	Trichloroethene	3.80	J	3.10	20.0	ug/L
78-87-5	1,2-Dichloropropane	2.60	U	2.60	20.0	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-067-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084516.D	4		10/25/24 15:15	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	2.80	U	2.80	20.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	16.6	U	16.6	100	ug/L
108-88-3	Toluene	2.90	U	2.90	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.20	U	3.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.30	U	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.70	U	2.70	20.0	ug/L
142-28-9	1,3-Dichloropropane	2.70	U	2.70	20.0	ug/L
591-78-6	2-Hexanone	15.8	U	15.8	100	ug/L
124-48-1	Dibromochloromethane	2.90	U	2.90	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.10	U	3.10	20.0	ug/L
127-18-4	Tetrachloroethene	3.80	U	3.80	20.0	ug/L
108-90-7	Chlorobenzene	2.70	U	2.70	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	3.60	U	3.60	20.0	ug/L
67-72-1	Hexachloroethane	3.60	U	3.60	20.0	ug/L
100-41-4	Ethyl Benzene	2.90	U	2.90	20.0	ug/L
179601-23-1	m/p-Xylenes	6.90	U	6.90	40.0	ug/L
95-47-6	o-Xylene	3.30	U	3.30	20.0	ug/L
100-42-5	Styrene	3.20	U	3.20	20.0	ug/L
75-25-2	Bromoform	4.00	U	4.00	20.0	ug/L
98-82-8	Isopropylbenzene	3.40	U	3.40	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	2.40	20.0	ug/L
96-18-4	1,2,3-Trichloropropane	6.90	U	6.90	20.0	ug/L
108-86-1	Bromobenzene	2.80	U	2.80	20.0	ug/L
103-65-1	n-propylbenzene	3.20	U	3.20	20.0	ug/L
95-49-8	2-Chlorotoluene	3.20	U	3.20	20.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.00	U	3.00	20.0	ug/L
106-43-4	4-Chlorotoluene	3.30	U	3.30	20.0	ug/L
98-06-6	tert-butylbenzene	3.10	U	3.10	20.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.30	U	3.30	20.0	ug/L
135-98-8	sec-Butylbenzene	3.10	U	3.10	20.0	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-067-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084516.D	4		10/25/24 15:15	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	3.30	U	3.30	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.50	U	3.50	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	3.80	U	3.80	20.0	ug/L
104-51-8	n-Butylbenzene	3.40	U	3.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.50	U	3.50	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.40	U	4.40	20.0	ug/L
87-68-3	Hexachlorobutadiene	4.40	U	4.40	20.0	ug/L
91-20-3	Naphthalene	5.80	U	5.80	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.60	U	5.60	20.0	ug/L
74-88-4	Methyl Iodide	3.80	U	3.80	20.0	ug/L
80-62-6	Methyl methacrylate	4.00	U	4.00	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	28.5		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.2		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28300	7.812			
540-36-3	1,4-Difluorobenzene	137000	9.1			
3114-55-4	Chlorobenzene-d5	126000	11.865			

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\VN102524\
Data File : VN084516.D
Acq On : 25 Oct 2024 15:15
Operator : JC\MD
Sample : P4549-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

Quant Time: Oct 26 05:30:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

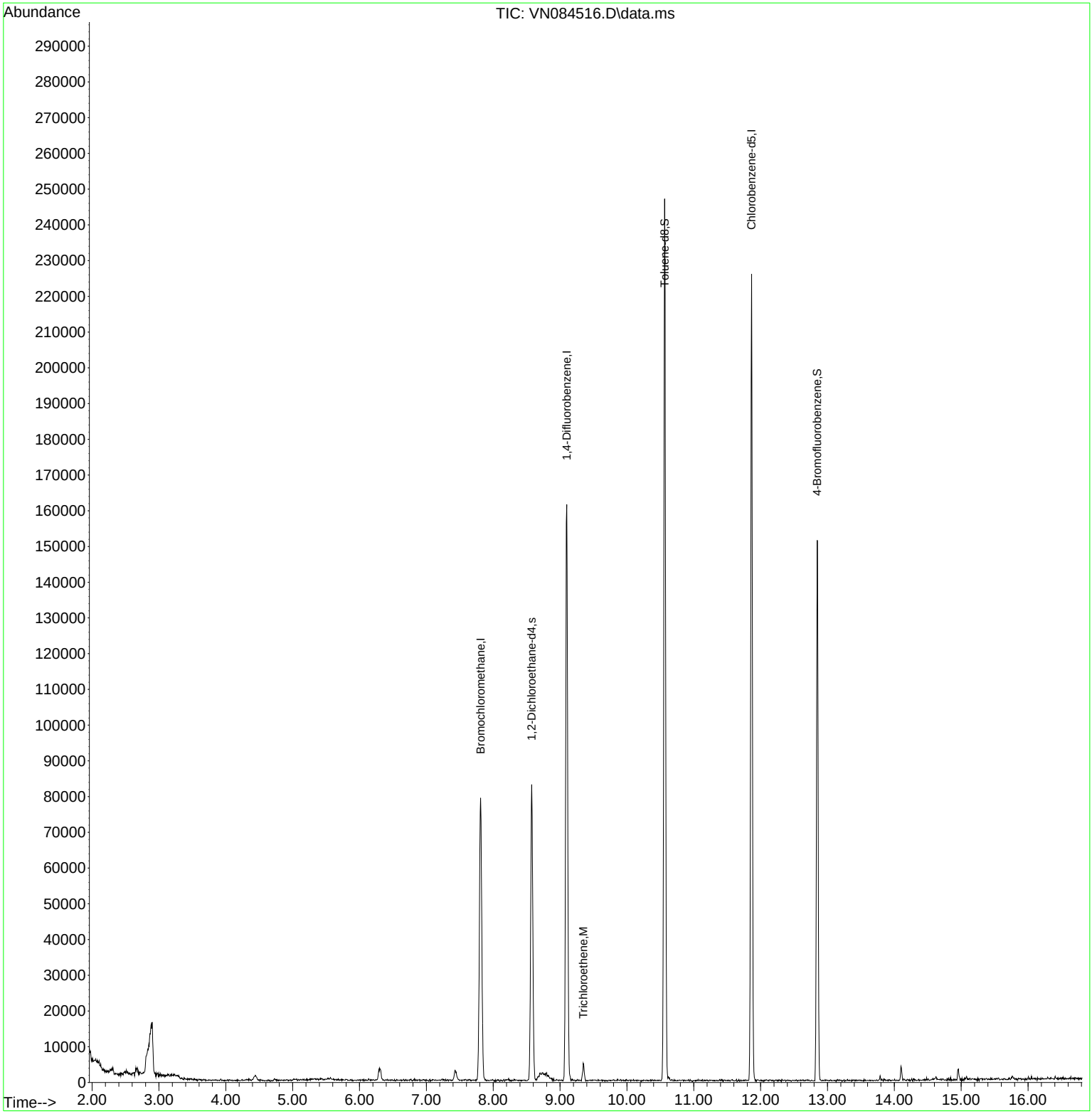
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28275	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137388	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125598	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68323	30.014	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%			
60) 4-Bromofluorobenzene	12.847	95	52227	25.195	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.000%			
63) Toluene-d8	10.565	98	166090	28.545	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.167%			
Target Compounds						Qvalue
37) Trichloroethene	9.347	130	1528	0.940	ug/l	99

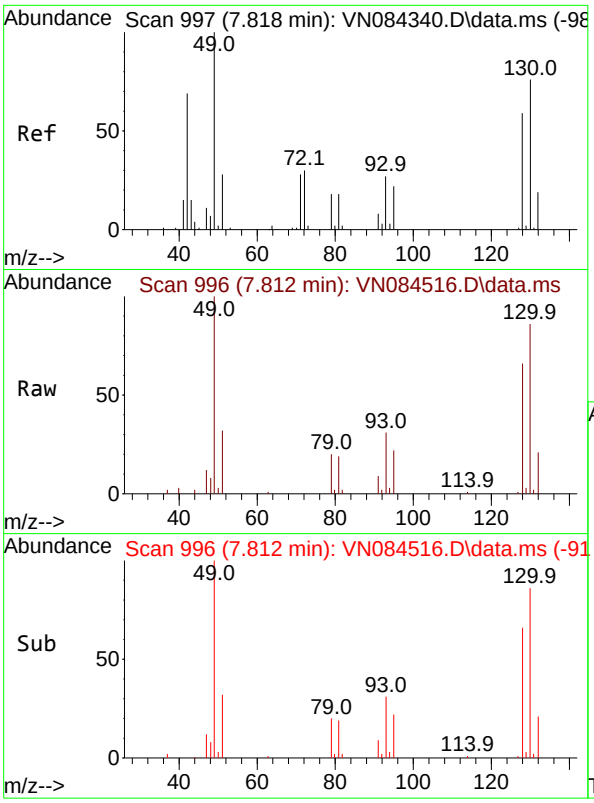
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084516.D
Acq On : 25 Oct 2024 15:15
Operator : JC\MD
Sample : P4549-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

Quant Time: Oct 26 05:30:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



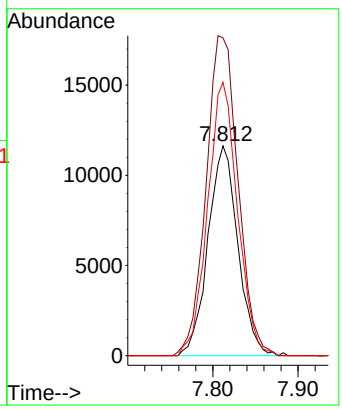


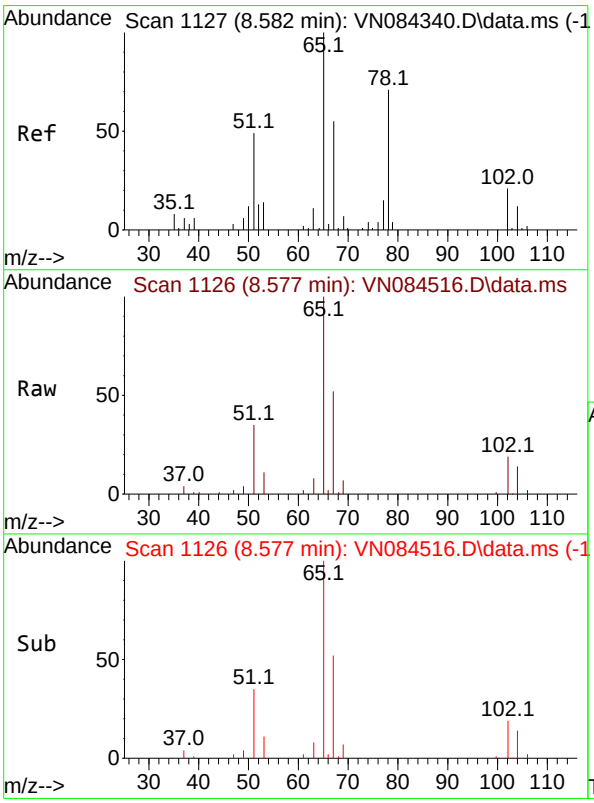
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

Tgt Ion:128 Resp: 28275

Ion	Ratio	Lower	Upper
128	100		
49	163.6	0.0	430.0
130	130.9	0.0	329.8

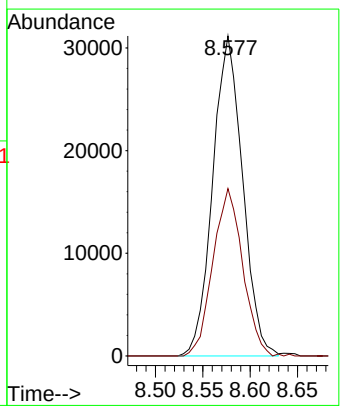


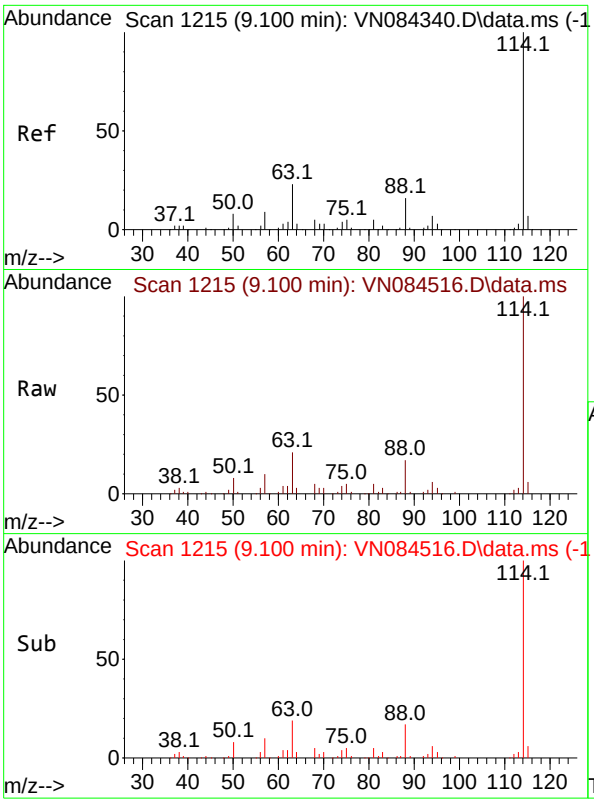


#27
1,2-Dichloroethane-d4
Concen: 30.014 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Tgt Ion: 65 Resp: 68323

Ion	Ratio	Lower	Upper
65	100		
67	52.1	41.5	62.3



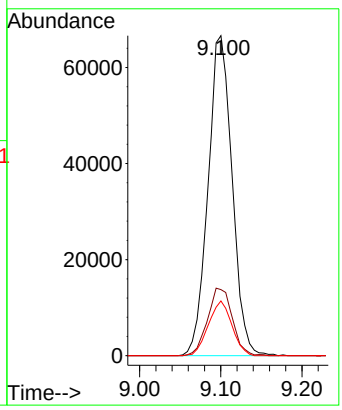


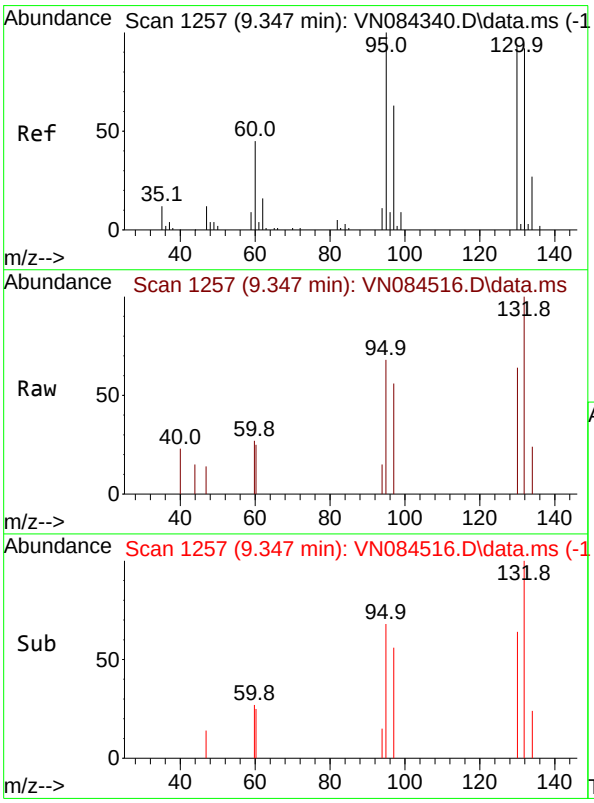
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

Tgt Ion:114 Resp: 137388

Ion	Ratio	Lower	Upper
114	100		
63	21.6	17.4	26.0
88	16.7	13.2	19.8

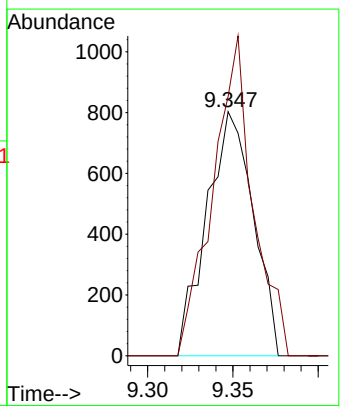


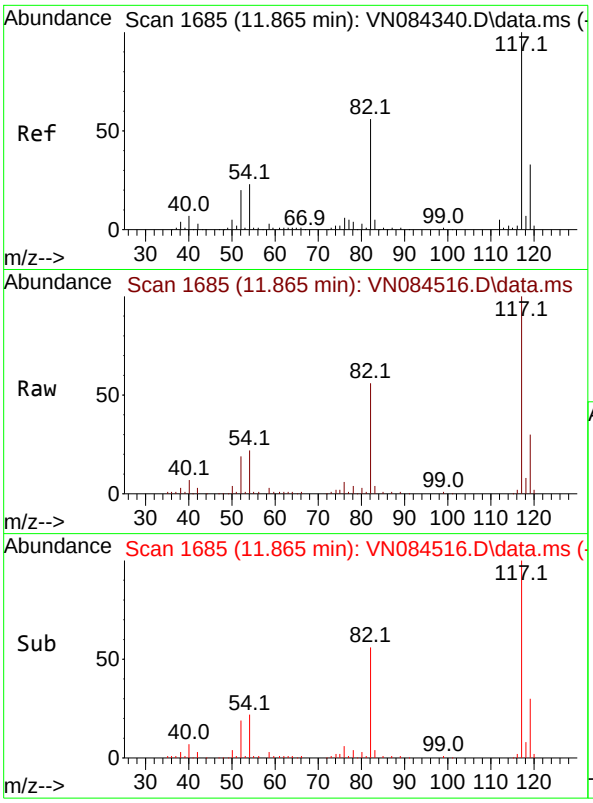


#37
Trichloroethene
Concen: 0.940 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Tgt Ion:130 Resp: 1528

Ion	Ratio	Lower	Upper
130	100		
95	106.2	85.8	128.6



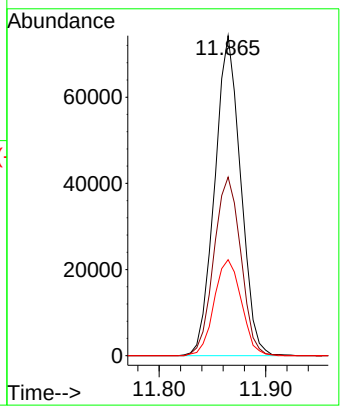


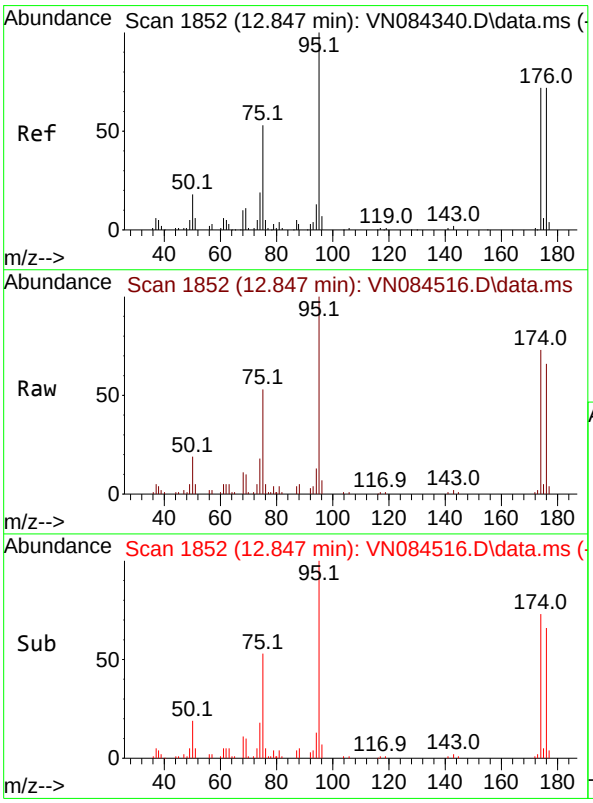
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

Tgt Ion:117 Resp: 125598

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.2	69.4
119	31.5	25.4	38.2

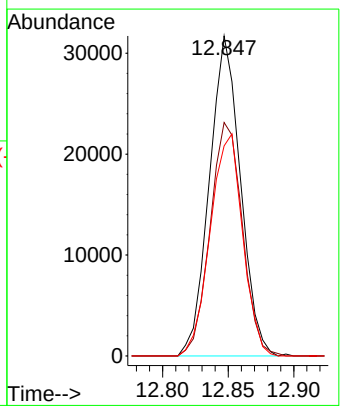


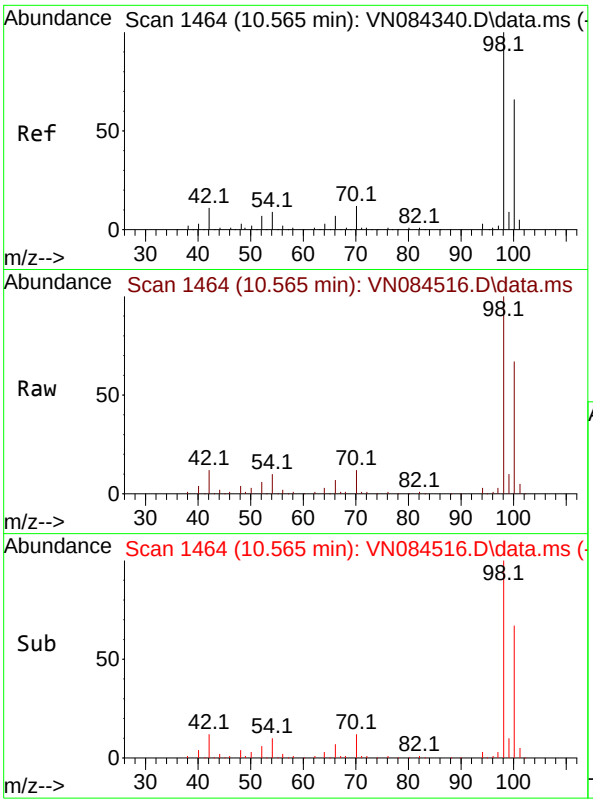


#60
4-Bromofluorobenzene
Concen: 25.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Tgt Ion: 95 Resp: 52227

Ion	Ratio	Lower	Upper
95	100		
174	75.7	58.2	87.2
176	72.4	56.4	84.6



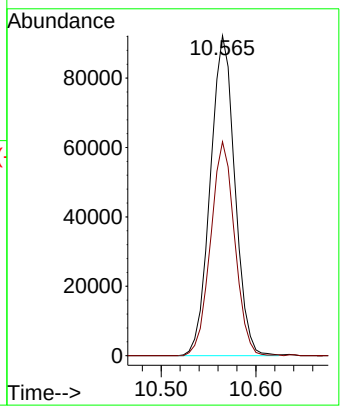


#63
Toluene-d8
Concen: 28.545 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

Tgt Ion: 98 Resp: 166090

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-068-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084515.D	4		10/25/24 14:51	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.90	U	4.90	20.0	ug/L
74-87-3	Chloromethane	4.70	U	4.70	20.0	ug/L
75-01-4	Vinyl Chloride	4.90	U	4.90	20.0	ug/L
74-83-9	Bromomethane	5.50	U	5.50	20.0	ug/L
75-00-3	Chloroethane	11.7	U	11.7	20.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	U	4.20	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.20	U	4.20	20.0	ug/L
107-02-8	Acrolein	37.2	U	37.2	100	ug/L
107-13-1	Acrylonitrile	14.7	U	14.7	100	ug/L
67-64-1	Acetone	19.6	U	19.6	100	ug/L
75-15-0	Carbon Disulfide	3.70	U	3.70	20.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	3.30	U	3.30	20.0	ug/L
79-20-9	Methyl Acetate	4.90	U	4.90	20.0	ug/L
75-09-2	Methylene Chloride	4.80	U	4.80	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	3.80	U	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	3.20	U	3.20	20.0	ug/L
110-82-7	Cyclohexane	4.10	U	4.10	20.0	ug/L
78-93-3	2-Butanone	14.2	U	14.2	100	ug/L
56-23-5	Carbon Tetrachloride	3.60	U	3.60	20.0	ug/L
594-20-7	2,2-Dichloropropane	4.60	U	4.60	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3.60	U	3.60	20.0	ug/L
67-66-3	Chloroform	2.90	U	2.90	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	20.0	ug/L
108-87-2	Methylcyclohexane	3.60	U	3.60	20.0	ug/L
563-58-6	1,1-Dichloropropene	3.00	U	3.00	20.0	ug/L
71-43-2	Benzene	2.80	U	2.80	20.0	ug/L
107-06-2	1,2-Dichloroethane	3.00	U	3.00	20.0	ug/L
79-01-6	Trichloroethene	25.2		3.10	20.0	ug/L
78-87-5	1,2-Dichloropropane	2.60	U	2.60	20.0	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-068-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084515.D	4		10/25/24 14:51	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	2.80	U	2.80	20.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	16.6	U	16.6	100	ug/L
108-88-3	Toluene	2.90	U	2.90	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.20	U	3.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.30	U	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.70	U	2.70	20.0	ug/L
142-28-9	1,3-Dichloropropane	2.70	U	2.70	20.0	ug/L
591-78-6	2-Hexanone	15.8	U	15.8	100	ug/L
124-48-1	Dibromochloromethane	2.90	U	2.90	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.10	U	3.10	20.0	ug/L
127-18-4	Tetrachloroethene	3.80	U	3.80	20.0	ug/L
108-90-7	Chlorobenzene	2.70	U	2.70	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	3.60	U	3.60	20.0	ug/L
67-72-1	Hexachloroethane	3.60	U	3.60	20.0	ug/L
100-41-4	Ethyl Benzene	2.90	U	2.90	20.0	ug/L
179601-23-1	m/p-Xylenes	6.90	U	6.90	40.0	ug/L
95-47-6	o-Xylene	3.30	U	3.30	20.0	ug/L
100-42-5	Styrene	3.20	U	3.20	20.0	ug/L
75-25-2	Bromoform	4.00	U	4.00	20.0	ug/L
98-82-8	Isopropylbenzene	3.40	U	3.40	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	2.40	20.0	ug/L
96-18-4	1,2,3-Trichloropropane	6.90	U	6.90	20.0	ug/L
108-86-1	Bromobenzene	2.80	U	2.80	20.0	ug/L
103-65-1	n-propylbenzene	3.20	U	3.20	20.0	ug/L
95-49-8	2-Chlorotoluene	3.20	U	3.20	20.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.00	U	3.00	20.0	ug/L
106-43-4	4-Chlorotoluene	3.30	U	3.30	20.0	ug/L
98-06-6	tert-butylbenzene	3.10	U	3.10	20.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.30	U	3.30	20.0	ug/L
135-98-8	sec-Butylbenzene	3.10	U	3.10	20.0	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-068-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084515.D	4		10/25/24 14:51	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	3.30	U	3.30	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.50	U	3.50	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	3.80	U	3.80	20.0	ug/L
104-51-8	n-Butylbenzene	3.40	U	3.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.50	U	3.50	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.40	U	4.40	20.0	ug/L
87-68-3	Hexachlorobutadiene	4.40	U	4.40	20.0	ug/L
91-20-3	Naphthalene	5.80	U	5.80	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.60	U	5.60	20.0	ug/L
74-88-4	Methyl Iodide	3.80	U	3.80	20.0	ug/L
80-62-6	Methyl methacrylate	4.00	U	4.00	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.0		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	28.6		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.7		63 - 112	82%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29100	7.818			
540-36-3	1,4-Difluorobenzene	146000	9.1			
3114-55-4	Chlorobenzene-d5	134000	11.865			

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\VN102524\
Data File : VN084515.D
Acq On : 25 Oct 2024 14:51
Operator : JC\MD
Sample : P4549-03 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-068-IDWGW-20241024

Quant Time: Oct 26 05:30:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

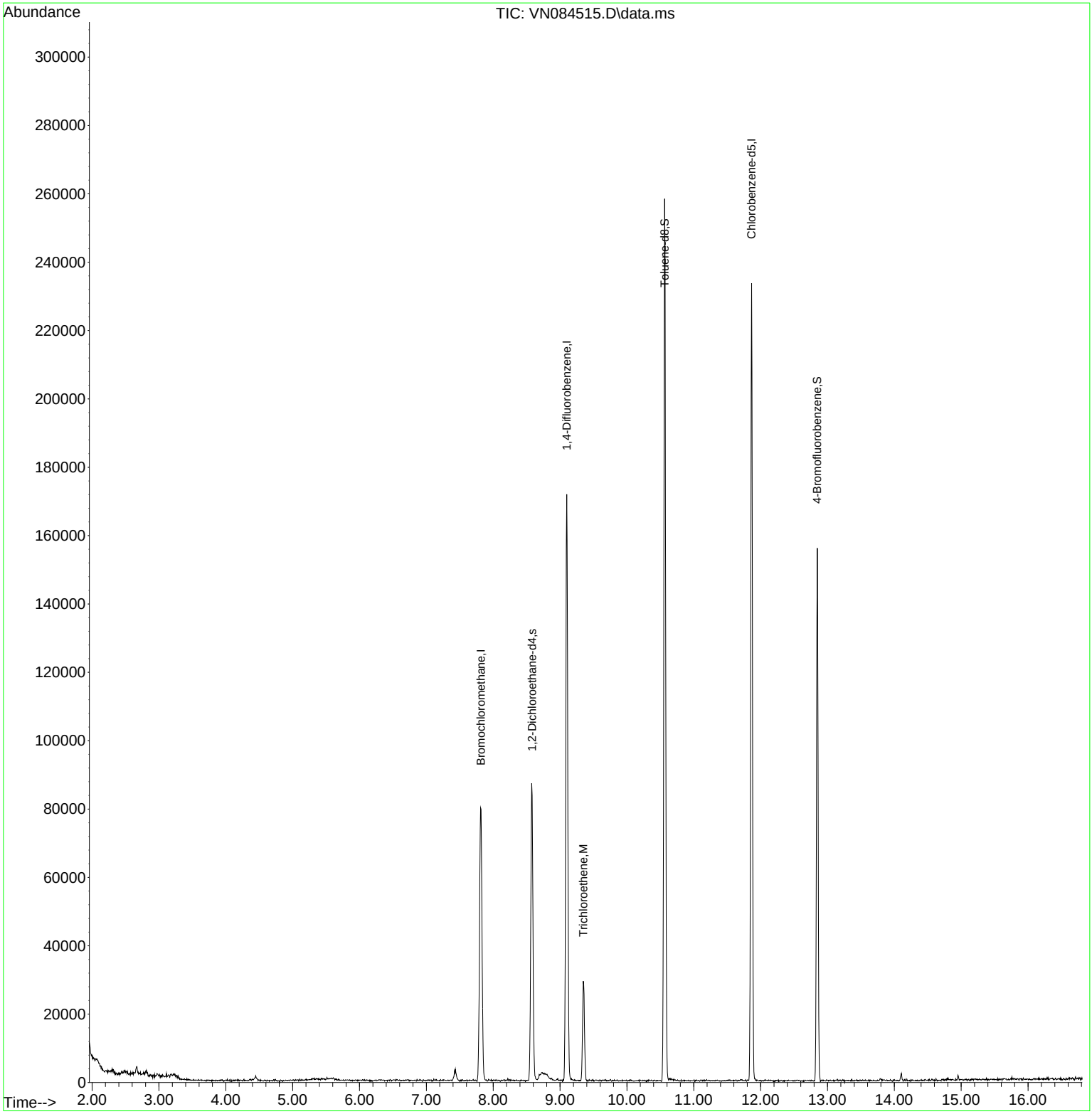
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	29141	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145814	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	133742	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	72625	30.955	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.200%			
60) 4-Bromofluorobenzene	12.847	95	54509	24.695	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.300%			
63) Toluene-d8	10.565	98	177237	28.606	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.367%			
Target Compounds						Qvalue
37) Trichloroethene	9.347	130	10865	6.297	ug/l	93

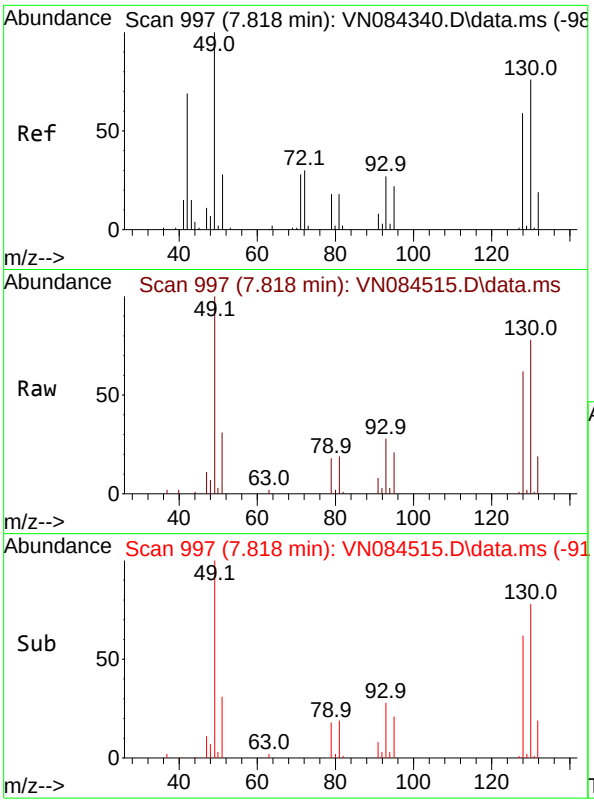
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084515.D
Acq On : 25 Oct 2024 14:51
Operator : JC\MD
Sample : P4549-03 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-068-IDWGW-20241024

Quant Time: Oct 26 05:30:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



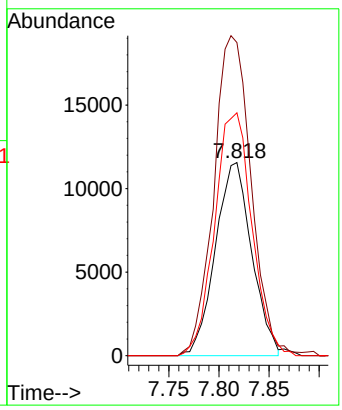


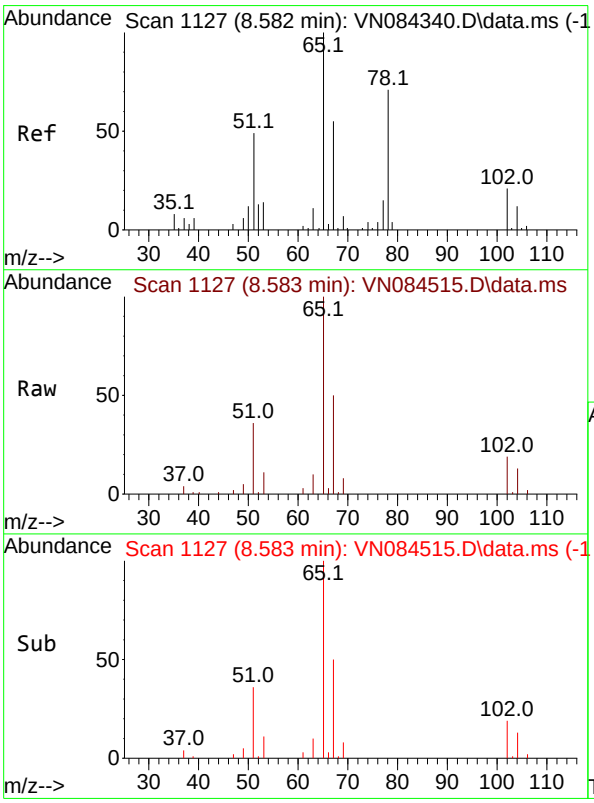
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :
TT-068-IDWGW-20241024

Tgt Ion:128 Resp: 29141

Ion	Ratio	Lower	Upper
128	100		
49	170.2	0.0	430.0
130	129.3	0.0	329.8

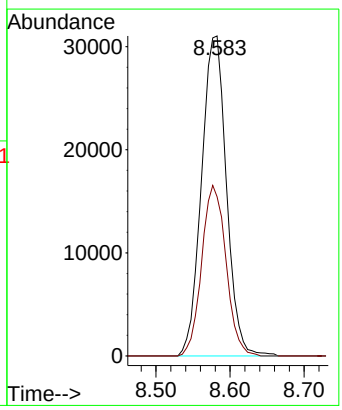


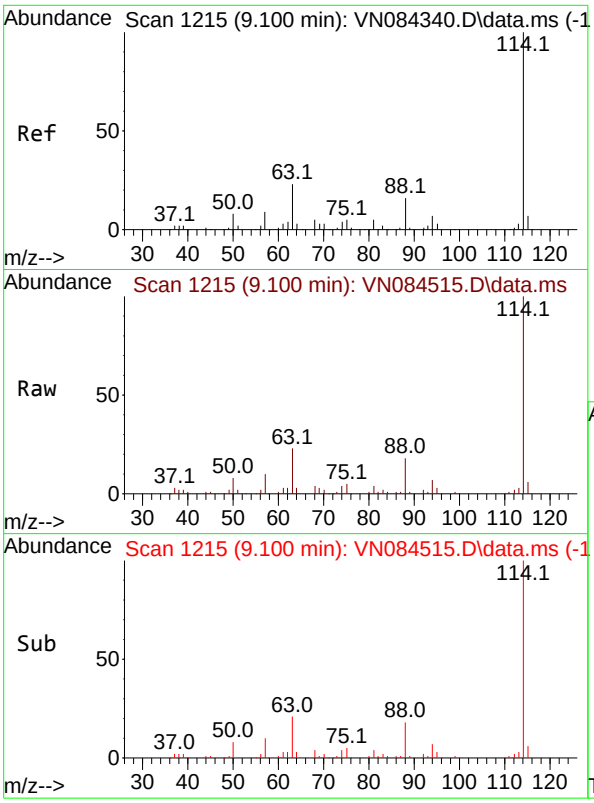


#27
1,2-Dichloroethane-d4
Concen: 30.955 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Tgt Ion: 65 Resp: 72625

Ion	Ratio	Lower	Upper
65	100		
67	52.0	41.5	62.3



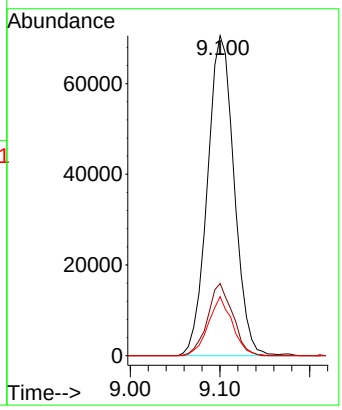


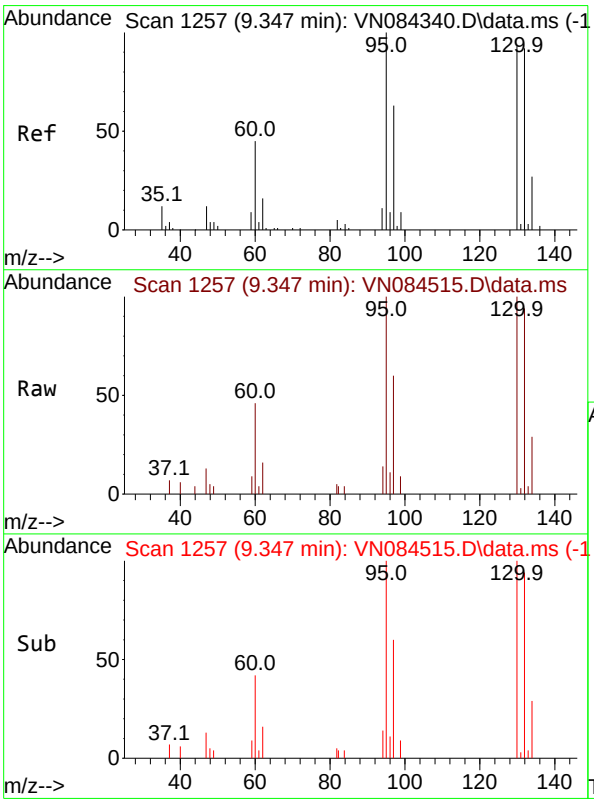
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :
TT-068-IDWGW-20241024

Tgt Ion:114 Resp: 145814

Ion	Ratio	Lower	Upper
114	100		
63	21.2	17.4	26.0
88	16.6	13.2	19.8

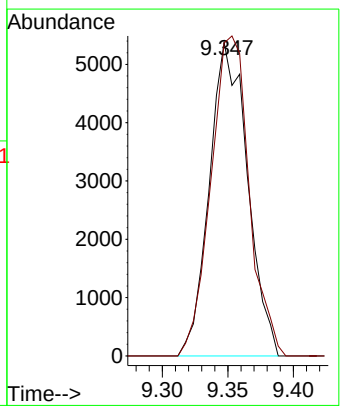


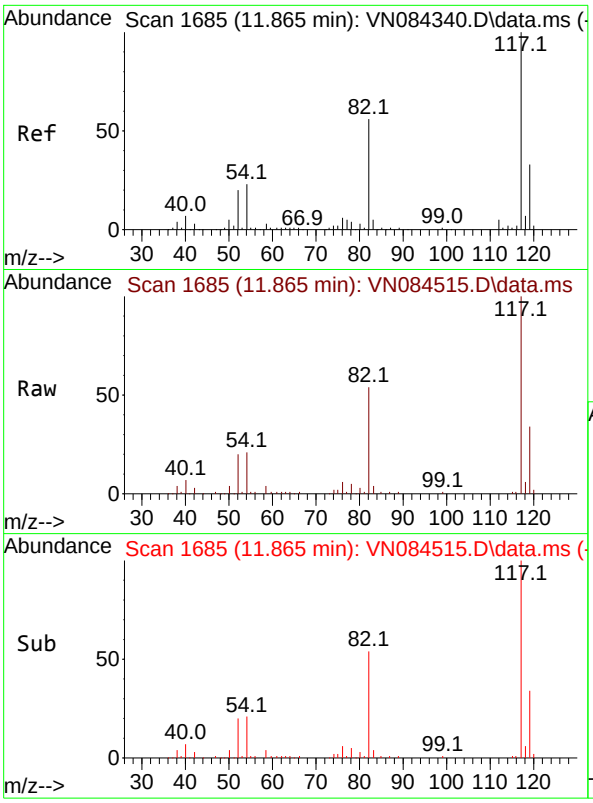


#37
Trichloroethene
Concen: 6.297 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Tgt Ion:130 Resp: 10865

Ion	Ratio	Lower	Upper
130	100		
95	99.8	85.8	128.6



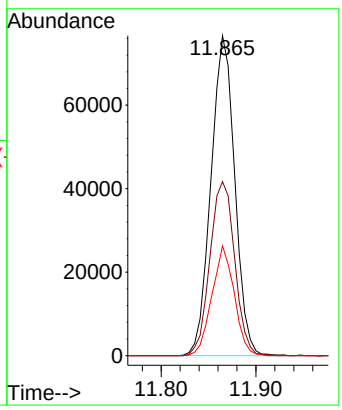


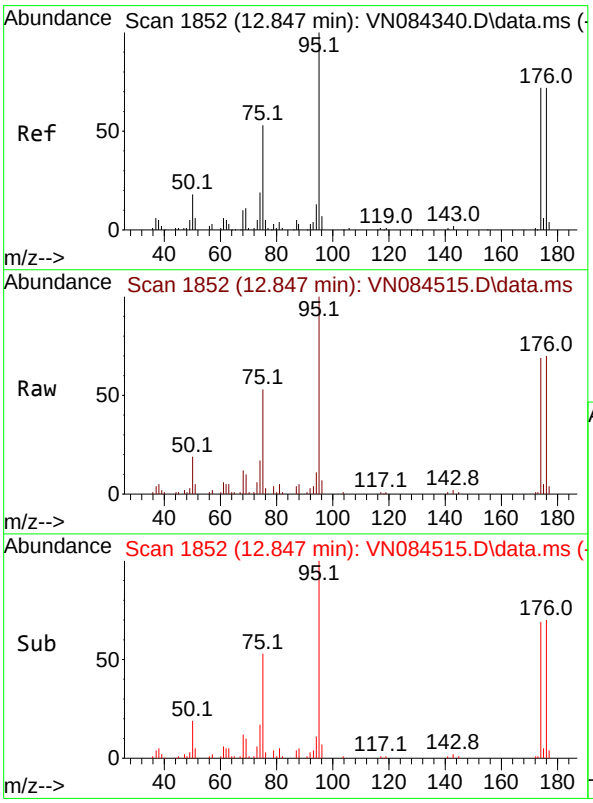
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :
TT-068-IDWGW-20241024

Tgt Ion:117 Resp: 133742

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.2	69.4
119	32.2	25.4	38.2

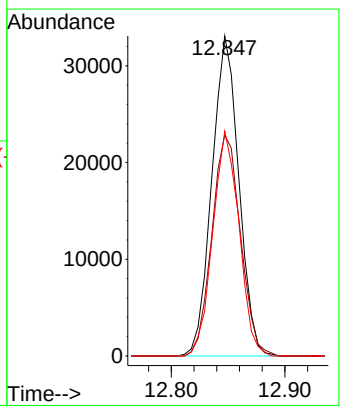


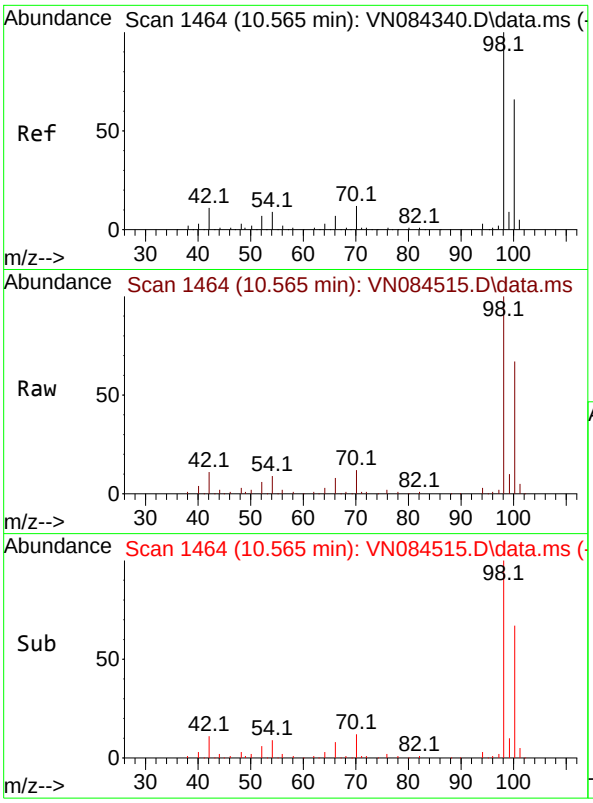


#60
4-Bromofluorobenzene
Concen: 24.695 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Tgt Ion: 95 Resp: 54509

Ion	Ratio	Lower	Upper
95	100		
174	73.4	58.2	87.2
176	68.5	56.4	84.6



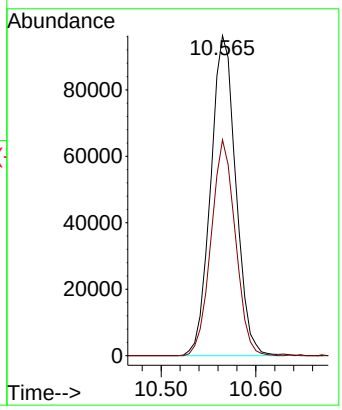


#63
Toluene-d8
Concen: 28.606 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084515.D
Acq: 25 Oct 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :
TT-068-IDWGW-20241024

Tgt Ion: 98 Resp: 177237

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.5	78.7



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-069-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084517.D	4		10/25/24 15:39	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.90	U	4.90	20.0	ug/L
74-87-3	Chloromethane	4.70	U	4.70	20.0	ug/L
75-01-4	Vinyl Chloride	4.90	U	4.90	20.0	ug/L
74-83-9	Bromomethane	5.50	U	5.50	20.0	ug/L
75-00-3	Chloroethane	11.7	U	11.7	20.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	U	4.20	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.20	U	4.20	20.0	ug/L
107-02-8	Acrolein	37.2	U	37.2	100	ug/L
107-13-1	Acrylonitrile	14.7	U	14.7	100	ug/L
67-64-1	Acetone	19.6	U	19.6	100	ug/L
75-15-0	Carbon Disulfide	3.70	U	3.70	20.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	3.30	U	3.30	20.0	ug/L
79-20-9	Methyl Acetate	4.90	U	4.90	20.0	ug/L
75-09-2	Methylene Chloride	4.80	U	4.80	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	3.80	U	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	3.20	U	3.20	20.0	ug/L
110-82-7	Cyclohexane	4.10	U	4.10	20.0	ug/L
78-93-3	2-Butanone	14.2	U	14.2	100	ug/L
56-23-5	Carbon Tetrachloride	3.60	U	3.60	20.0	ug/L
594-20-7	2,2-Dichloropropane	4.60	U	4.60	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3.60	U	3.60	20.0	ug/L
67-66-3	Chloroform	2.90	U	2.90	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	20.0	ug/L
108-87-2	Methylcyclohexane	3.60	U	3.60	20.0	ug/L
563-58-6	1,1-Dichloropropene	3.00	U	3.00	20.0	ug/L
71-43-2	Benzene	2.80	U	2.80	20.0	ug/L
107-06-2	1,2-Dichloroethane	3.00	U	3.00	20.0	ug/L
79-01-6	Trichloroethene	26.2		3.10	20.0	ug/L
78-87-5	1,2-Dichloropropane	2.60	U	2.60	20.0	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-069-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084517.D	4		10/25/24 15:39	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	2.80	U	2.80	20.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	16.6	U	16.6	100	ug/L
108-88-3	Toluene	2.90	U	2.90	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.20	U	3.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.30	U	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.70	U	2.70	20.0	ug/L
142-28-9	1,3-Dichloropropane	2.70	U	2.70	20.0	ug/L
591-78-6	2-Hexanone	15.8	U	15.8	100	ug/L
124-48-1	Dibromochloromethane	2.90	U	2.90	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.10	U	3.10	20.0	ug/L
127-18-4	Tetrachloroethene	3.80	U	3.80	20.0	ug/L
108-90-7	Chlorobenzene	2.70	U	2.70	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	3.60	U	3.60	20.0	ug/L
67-72-1	Hexachloroethane	3.60	U	3.60	20.0	ug/L
100-41-4	Ethyl Benzene	2.90	U	2.90	20.0	ug/L
179601-23-1	m/p-Xylenes	6.90	U	6.90	40.0	ug/L
95-47-6	o-Xylene	3.30	U	3.30	20.0	ug/L
100-42-5	Styrene	3.20	U	3.20	20.0	ug/L
75-25-2	Bromoform	4.00	U	4.00	20.0	ug/L
98-82-8	Isopropylbenzene	3.40	U	3.40	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	2.40	20.0	ug/L
96-18-4	1,2,3-Trichloropropane	6.90	U	6.90	20.0	ug/L
108-86-1	Bromobenzene	2.80	U	2.80	20.0	ug/L
103-65-1	n-propylbenzene	3.20	U	3.20	20.0	ug/L
95-49-8	2-Chlorotoluene	3.20	U	3.20	20.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.00	U	3.00	20.0	ug/L
106-43-4	4-Chlorotoluene	3.30	U	3.30	20.0	ug/L
98-06-6	tert-butylbenzene	3.10	U	3.10	20.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.30	U	3.30	20.0	ug/L
135-98-8	sec-Butylbenzene	3.10	U	3.10	20.0	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	TT-069-IDWGW-20241024	SDG No.:	P4549
Lab Sample ID:	P4549-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084517.D	4		10/25/24 15:39	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	3.30	U	3.30	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.50	U	3.50	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	3.80	U	3.80	20.0	ug/L
104-51-8	n-Butylbenzene	3.40	U	3.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.50	U	3.50	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.40	U	4.40	20.0	ug/L
87-68-3	Hexachlorobutadiene	4.40	U	4.40	20.0	ug/L
91-20-3	Naphthalene	5.80	U	5.80	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.60	U	5.60	20.0	ug/L
74-88-4	Methyl Iodide	3.80	U	3.80	20.0	ug/L
80-62-6	Methyl methacrylate	4.00	U	4.00	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.3		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.1		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.8		63 - 112	86%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	27900	7.812			
540-36-3	1,4-Difluorobenzene	143000	9.1			
3114-55-4	Chlorobenzene-d5	128000	11.865			

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\VN102524\
Data File : VN084517.D
Acq On : 25 Oct 2024 15:39
Operator : JC\MD
Sample : P4549-04 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

Quant Time: Oct 26 05:31:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

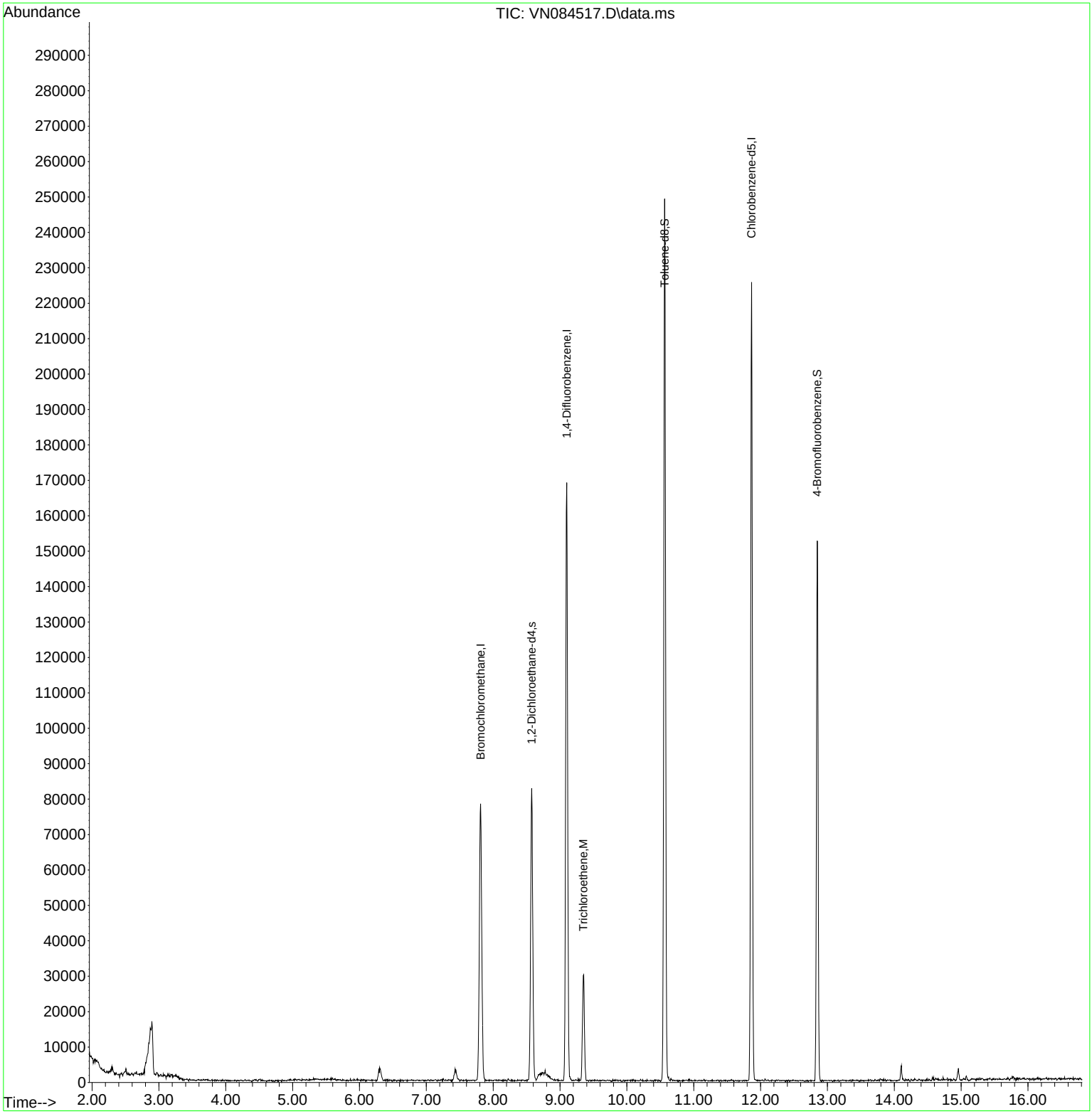
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	27891	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	142505	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	128076	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68128	30.340	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.133%			
60) 4-Bromofluorobenzene	12.847	95	54597	25.829	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.100%			
63) Toluene-d8	10.565	98	172511	29.075	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.900%			
Target Compounds						Qvalue
37) Trichloroethene	9.347	130	11025	6.538	ug/l	83

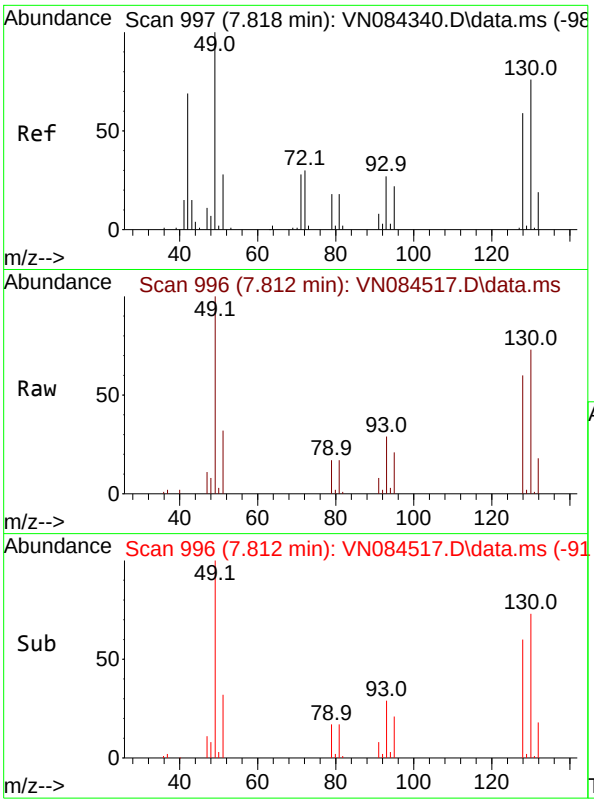
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084517.D
Acq On : 25 Oct 2024 15:39
Operator : JC\MD
Sample : P4549-04 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

Quant Time: Oct 26 05:31:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



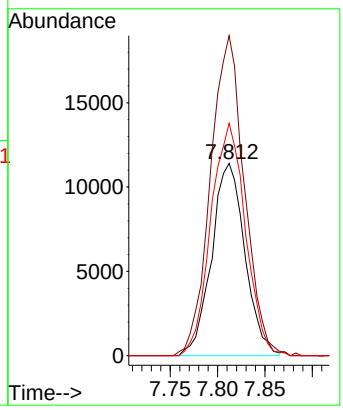


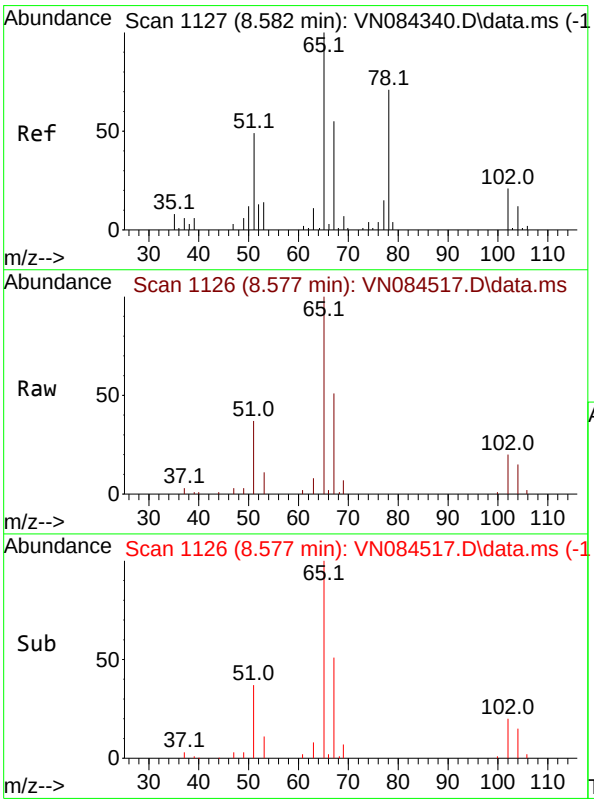
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

Tgt Ion:128 Resp: 27891

Ion	Ratio	Lower	Upper
128	100		
49	169.3	0.0	430.0
130	125.5	0.0	329.8

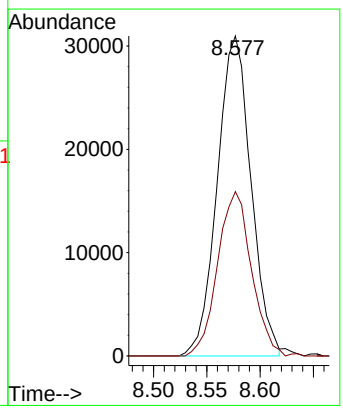


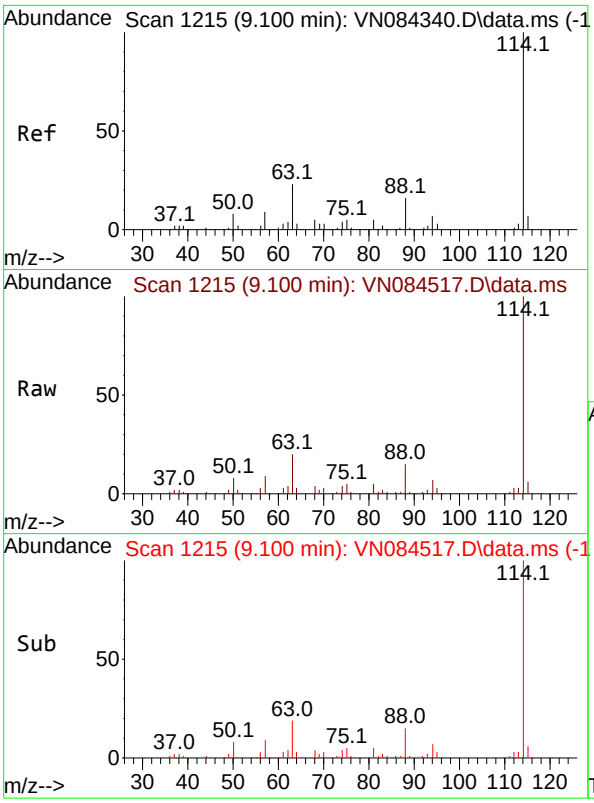


#27
1,2-Dichloroethane-d4
Concen: 30.340 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Tgt Ion: 65 Resp: 68128

Ion	Ratio	Lower	Upper
65	100		
67	51.5	41.5	62.3



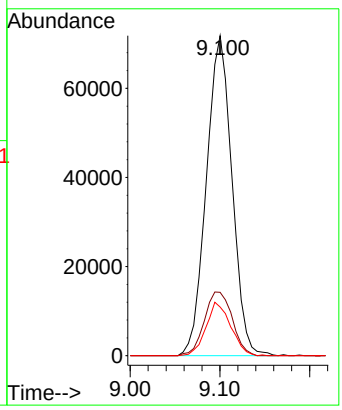


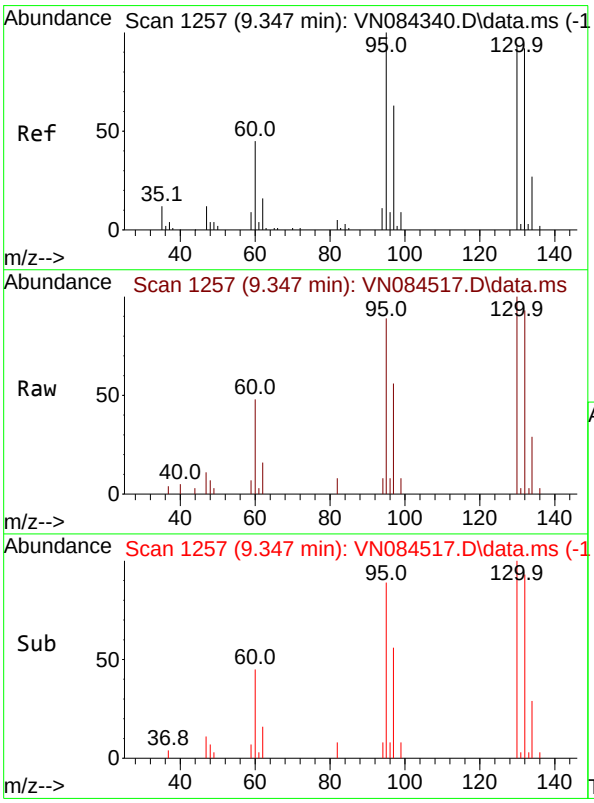
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

Tgt Ion:114 Resp: 142505

Ion	Ratio	Lower	Upper
114	100		
63	21.6	17.4	26.0
88	16.1	13.2	19.8

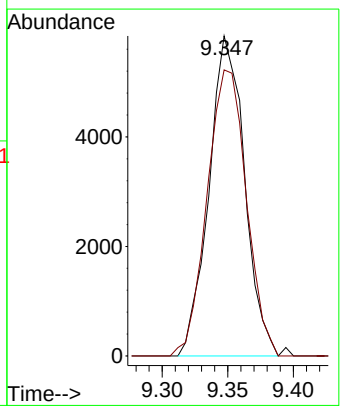


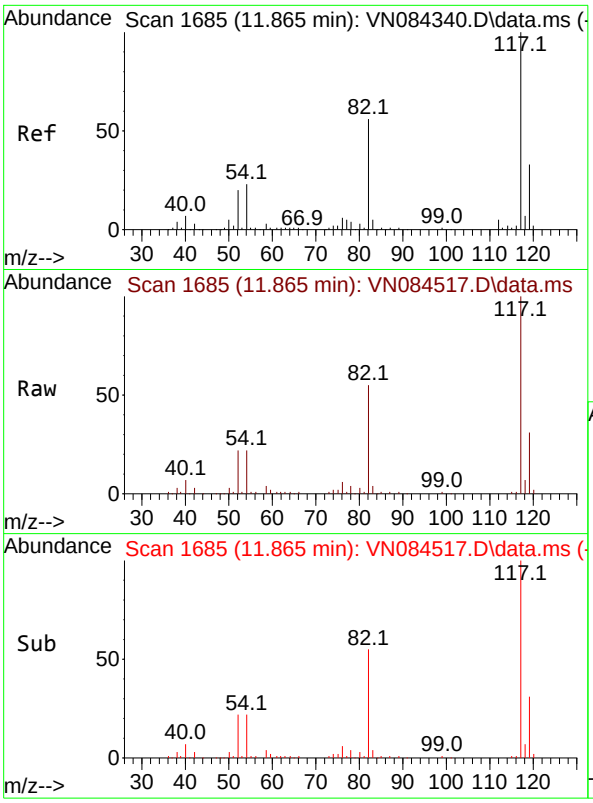


#37
Trichloroethene
Concen: 6.538 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Tgt Ion:130 Resp: 11025

Ion	Ratio	Lower	Upper
130	100		
95	89.4	85.8	128.6



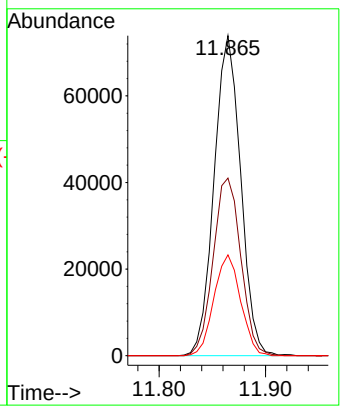


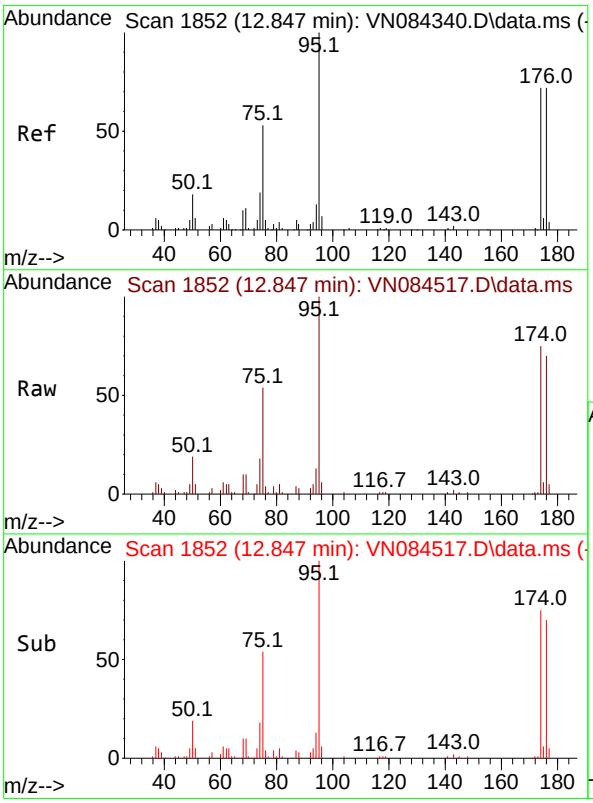
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

Tgt Ion:117 Resp: 128076

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.2	69.4
119	31.7	25.4	38.2

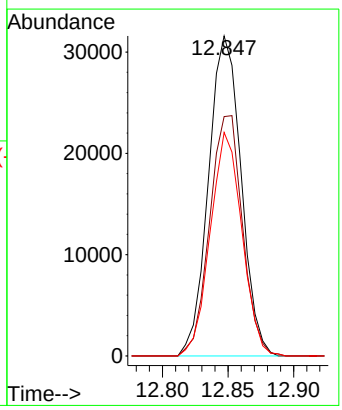


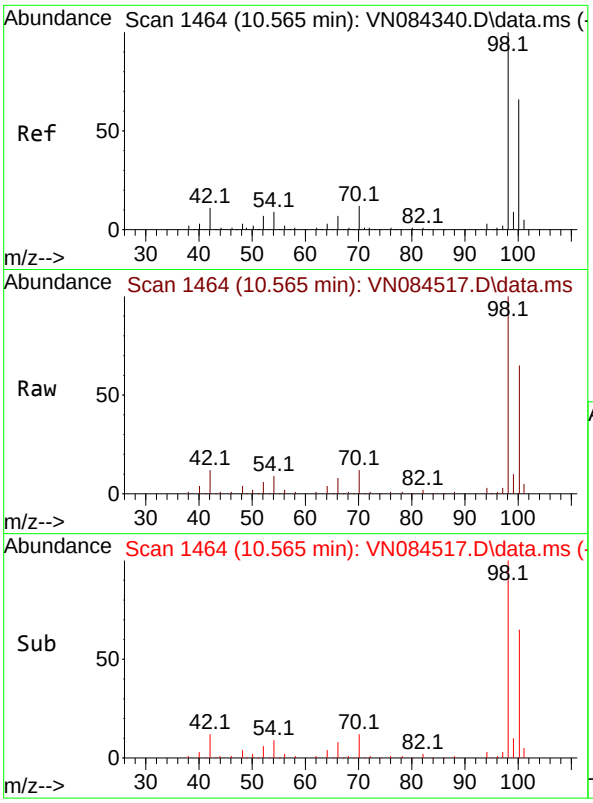


#60
4-Bromofluorobenzene
Concen: 25.829 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Tgt Ion: 95 Resp: 54597

Ion	Ratio	Lower	Upper
95	100		
174	75.7	58.2	87.2
176	68.0	56.4	84.6



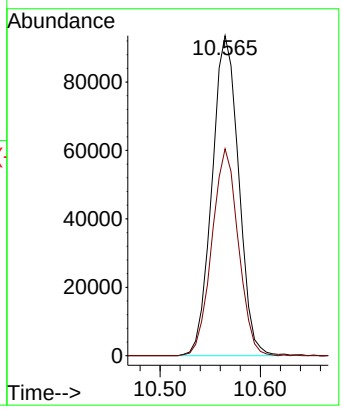


#63
Toluene-d8
Concen: 29.075 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

Tgt Ion: 98 Resp: 172511

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.5	78.7



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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:43 11:19

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

LAB FILE ID: RRF150 = VN084337.D RRF100 = VN084338.D RRF050 = VN084339.D
RRF020 = VN084340.D RRF005 = VN084341.D RRF =

COMPOUND	RRF150	RRF100	RRF050	RRF020	RRF005	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.784	1.757	1.768	1.931	1.918		1.832	4.7
Chloromethane	2.067	2.037	2.024	2.146	2.148		2.084	2.8
Vinyl Chloride	2.018	1.986	2.005	2.098	2.113		2.044	2.8
Bromomethane	1.236	1.234	1.249	1.418	1.635		1.354	12.9
Chloroethane	1.264	1.205	1.228	1.396	1.607		1.340	12.4
Trichlorofluoromethane	3.237	3.246	3.256	3.403	3.505		3.329	3.6
1,1,2-Trichlorotrifluoroethane	1.861	1.829	1.799	1.891	1.981		1.872	3.7
1,1-Dichloroethene	1.833	1.832	1.870	1.834	1.971		1.868	3.2
Acrolein	0.440	0.450	0.431	0.402	0.449		0.434	4.5
Acrylonitrile	1.069	1.026	1.064	1.069	1.024		1.051	2.2
Acetone	0.329	0.315	0.306	0.286	0.265		0.300	8.3
Carbon Disulfide	5.386	5.270	5.346	5.704	6.106		5.562	6.2
Methyl tert-Butyl Ether	6.327	6.268	6.286	6.312	6.019		6.242	2
Methyl Acetate	2.383	2.367	2.435	2.287	2.221		2.339	3.6
Methylene Chloride	2.067	2.014	2.090	2.147	2.203		2.104	3.5
trans-1,2-Dichloroethene	1.948	1.923	1.947	2.012	2.055		1.977	2.8
1,1-Dichloroethane	3.674	3.601	3.659	3.837	3.908		3.736	3.5
Cyclohexane	0.594	0.572	0.559	0.590	0.535		0.570	4.2
2-Butanone	0.275	0.269	0.268	0.257	0.242		0.262	5
Carbon Tetrachloride	0.556	0.548	0.531	0.544	0.547		0.545	1.6
2,2-Dichloropropane	0.605	0.583	0.569	0.576	0.560		0.579	3
cis-1,2-Dichloroethene	2.321	2.240	2.294	2.364	2.284		2.300	2
Chloroform	3.759	3.650	3.795	3.901	3.812		3.783	2.4
1,1,1-Trichloroethane	0.630	0.629	0.619	0.648	0.621		0.629	1.8
Methylcyclohexane	0.593	0.566	0.535	0.519	0.491		0.541	7.4
1,1-Dichloropropene	0.508	0.493	0.487	0.493	0.482		0.492	2
Benzene	1.571	1.514	1.511	1.557	1.555		1.542	1.8
1,2-Dichloroethane	0.520	0.505	0.508	0.522	0.515		0.514	1.4
Trichloroethene	0.358	0.353	0.345	0.366	0.353		0.355	2.1
1,2-Dichloropropane	0.384	0.371	0.363	0.386	0.375		0.376	2.5

* 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.

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:43 11:19

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

LAB FILE ID: RRF150 = VN084337.D RRF100 = VN084338.D RRF050 = VN084339.D
RRF020 = VN084340.D RRF005 = VN084341.D RRF =

COMPOUND	RRF150	RRF100	RRF050	RRF020	RRF005	RRF	$\overline{RRF}$	% RSD
Dibromomethane	0.268	0.257	0.257	0.263	0.269		0.263	2.1
Bromodichloromethane	0.568	0.552	0.550	0.559	0.559		0.558	1.3
4-Methyl-2-Pentanone	0.580	0.565	0.573	0.559	0.517		0.559	4.4
Toluene	1.775	1.732	1.746	1.761	1.767		1.756	1
t-1,3-Dichloropropene	0.603	0.581	0.573	0.561	0.564		0.576	2.9
cis-1,3-Dichloropropene	0.637	0.616	0.603	0.613	0.551		0.604	5.3
1,1,2-Trichloroethane	0.356	0.349	0.350	0.354	0.358		0.353	1.1
1,3-Dichloropropane	0.627	0.610	0.607	0.625	0.619		0.617	1.5
2-Hexanone	0.440	0.428	0.434	0.408	0.367		0.415	7.2
Dibromochloromethane	0.431	0.417	0.416	0.416	0.407		0.417	2
1,2-Dibromoethane	0.371	0.363	0.361	0.370	0.352		0.364	2.1
Tetrachloroethene	0.338	0.328	0.332	0.342	0.357		0.339	3.4
Chlorobenzene	1.102	1.069	1.072	1.086	1.136		1.093	2.5
1,1,1,2-Tetrachloroethane	0.386	0.374	0.380	0.383	0.377		0.380	1.2
Hexachloroethane	0.302	0.289	0.282	0.279	0.276		0.286	3.6
Ethyl Benzene	2.037	1.969	1.930	1.889	1.715		1.908	6.3
m/p-Xylenes	0.768	0.732	0.740	0.725	0.654		0.724	5.9
o-Xylene	0.738	0.710	0.708	0.692	0.641		0.698	5.2
Styrene	1.289	1.232	1.226	1.183	1.059		1.198	7.2
Bromoform	0.295	0.287	0.276	0.264	0.261		0.277	5.2
Isopropylbenzene	1.892	1.828	1.813	1.786	1.587		1.781	6.5
1,1,2,2-Tetrachloroethane	0.562	0.544	0.557	0.549	0.543		0.551	1.5
1,2,3-Trichloropropane	0.492	0.471	0.479	0.466	0.452		0.472	3.1
Bromobenzene	0.446	0.431	0.435	0.428	0.416		0.431	2.5
n-propylbenzene	2.289	2.177	2.158	2.107	1.881		2.123	7.1
2-Chlorotoluene	1.396	1.329	1.315	1.322	1.233		1.319	4.4
1,3,5-Trimethylbenzene	1.614	1.543	1.532	1.488	1.323		1.500	7.3
4-Chlorotoluene	1.428	1.353	1.352	1.323	1.248		1.341	4.8
tert-butylbenzene	1.376	1.330	1.309	1.260	1.122		1.279	7.6
1,2,4-Trimethylbenzene	1.642	1.567	1.550	1.502	1.347		1.522	7.2

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:43 11:19

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

LAB FILE ID: RRF150 = VN084337.D RRF100 = VN084338.D RRF050 = VN084339.D
RRF020 = VN084340.D RRF005 = VN084341.D RRF =

COMPOUND	RRF150	RRF100	RRF050	RRF020	RRF005	RRF	$\overline{RRF}$	% RSD
sec-Butylbenzene	1.913	1.831	1.794	1.746	1.522		1.762	8.3
p-Isopropyltoluene	1.641	1.549	1.499	1.439	1.286		1.483	8.9
1,3-Dichlorobenzene	0.851	0.811	0.808	0.790	0.750		0.802	4.6
1,4-Dichlorobenzene	0.842	0.805	0.788	0.761	0.786		0.796	3.8
n-Butylbenzene	1.484	1.371	1.302	1.199	1.065		1.284	12.5
1,2-Dichlorobenzene	0.811	0.783	0.780	0.756	0.748		0.775	3.2
1,2-Dibromo-3-Chloropropane	0.120	0.116	0.119	0.110	0.098		0.113	8
1,2,4-Trichlorobenzene	0.436	0.416	0.410	0.381	0.372		0.403	6.5
Hexachlorobutadiene	0.183	0.177	0.179	0.173	0.220		0.187	10.3
Naphthalene	1.554	1.481	1.420	1.285	1.093		1.366	13.3
1,2,3-Trichlorobenzene	0.436	0.416	0.410	0.381	0.372		0.403	6.5
1,2-Dichloroethane-d4	2.393	2.419	2.371	2.467	2.428		2.415	1.5
Toluene-d8	1.397	1.374	1.378	1.395	1.404		1.390	0.9
4-Bromofluorobenzene	0.514	0.506	0.498	0.492	0.465		0.495	3.8
Methyl Iodide	2.503	2.450	2.473	2.469	2.378		2.455	1.9
Methyl methacrylate	0.431	0.420	0.420	0.404	0.369		0.409	5.9

* 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 : 624N100824W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Oct 09 02:22:28 2024
Response Via : Initial Calibration

Calibration Files
5 =VN084341.D 20 =VN084340.D 50 =VN084339.D 100 =VN084338.D 150 =VN084337.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.918	1.931	1.768	1.757	1.784	1.832	4.66
3)	M	Chloromethane	2.148	2.146	2.024	2.037	2.067	2.084	2.85
4)	M	Vinyl Chloride	2.113	2.098	2.005	1.986	2.018	2.044	2.81
5)	M	Bromomethane	1.635	1.418	1.249	1.234	1.236	1.354	12.91
6)	M	Chloroethane	1.607	1.396	1.228	1.205	1.264	1.340	12.44
7)	M	Trichlorofluorom...	3.505	3.403	3.256	3.246	3.237	3.329	3.60
8)	T	Diethyl Ether	1.232	1.232	1.226	1.207	1.223	1.224	0.85
9)		1,1,2-Trichlorot...	1.981	1.891	1.799	1.829	1.861	1.872	3.73
10)	M	1,1-Dichloroethene	1.971	1.834	1.870	1.832	1.833	1.868	3.20
11)		Methyl Iodide	2.378	2.469	2.473	2.450	2.503	2.455	1.90
12)		Methyl Acetate	2.221	2.287	2.435	2.367	2.383	2.339	3.62
13)	M	Acrolein	0.449	0.402	0.431	0.450	0.440	0.434	4.50
14)	M	Acrylonitrile	1.024	1.069	1.064	1.026	1.069	1.051	2.23
15)	M	Acetone	0.265	0.286	0.306	0.315	0.329	0.300	8.31
16)	M	Carbon Disulfide	6.106	5.704	5.346	5.270	5.386	5.562	6.23
17)		Allyl chloride	2.962	3.091	3.040	3.017	3.030	3.028	1.53
18)	M	Methylene Chloride	2.203	2.147	2.090	2.014	2.067	2.104	3.47
19)	M	trans-1,2-Dichlo...	2.055	2.012	1.947	1.923	1.948	1.977	2.76
20)	T	Diisopropyl ether	6.257	6.655	6.558	6.487	6.595	6.510	2.37
21)	M	1,1-Dichloroethane	3.908	3.837	3.659	3.601	3.674	3.736	3.49
22)	M	cis-1,2-Dichloro...	2.284	2.364	2.294	2.240	2.321	2.300	2.00
23)	M	tert-Butyl Alcohol	0.402	0.399	0.413	0.406	0.394	0.403	1.71
24)	M	Methyl tert-Buty...	6.019	6.312	6.286	6.268	6.327	6.242	2.04
25)	M	Chloroform	3.812	3.901	3.795	3.650	3.759	3.783	2.41
26)		Cyclohexane	2.941	3.291	3.090	3.107	3.193	3.124	4.15
27)	s	1,2-Dichloroetha...	2.428	2.467	2.370	2.419	2.393	2.415	1.51
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.482	0.493	0.487	0.493	0.508	0.492	2.00
30)	M	2-Butanone	0.242	0.257	0.268	0.269	0.275	0.262	5.01
31)		2,2-Dichloropropane	0.560	0.576	0.569	0.583	0.605	0.579	2.98
32)	M	1,1,1-Trichloroe...	0.621	0.648	0.619	0.629	0.630	0.629	1.79
33)	M	Carbon Tetrachlo...	0.547	0.544	0.531	0.548	0.556	0.545	1.63
34)	M	Benzene	1.555	1.557	1.511	1.514	1.571	1.542	1.77
35)		Methacrylonitrile	0.231	0.273	0.289	0.297	0.308	0.280	10.66
36)	M	1,2-Dichloroethane	0.515	0.522	0.508	0.505	0.520	0.514	1.42
37)	M	Trichloroethene	0.353	0.366	0.345	0.353	0.358	0.355	2.13
38)		Methylcyclohexane	0.491	0.519	0.535	0.566	0.593	0.541	7.36
39)	M	1,2-Dichloropropane	0.375	0.386	0.363	0.371	0.384	0.376	2.49
40)		Dibromomethane	0.269	0.263	0.257	0.257	0.268	0.263	2.12
41)	M	Bromodichloromet...	0.559	0.559	0.550	0.552	0.568	0.558	1.30
42)	M	Vinyl Acetate	0.837	0.888	0.930	0.945	0.960	0.912	5.46
43)		Ethyl Acetate	0.495	0.509	0.517	0.532	0.534	0.517	3.14
44)		Isopropyl Acetate	0.766	0.840	0.862	0.872	0.891	0.846	5.75
45)	T	1,4-Dioxane	0.007	0.007	0.008	0.008	0.008	0.008	7.69
46)		Methyl methacrylate	0.369	0.404	0.420	0.420	0.431	0.409	5.91
47)		n-amyl Acetate	0.630	0.740	0.769	0.796	0.829	0.753	10.09
48)	M	t-1,3-Dichloropr...	0.564	0.561	0.573	0.581	0.603	0.576	2.90
49)	T	cis-1,3-Dichloro...	0.551	0.613	0.603	0.616	0.637	0.604	5.34
50)	M	1,1,2-Trichloroe...	0.358	0.354	0.350	0.349	0.356	0.353	1.10
51)		Ethyl methacrylate	0.479	0.575	0.606	0.616	0.641	0.583	10.77
52)		1,3-Dichloropropane	0.619	0.625	0.607	0.610	0.627	0.617	1.47
53)	M	Dibromochloromet...	0.407	0.416	0.416	0.417	0.431	0.417	2.04
54)	M	1,2-Dibromoethane	0.352	0.370	0.361	0.363	0.371	0.364	2.09
55)	M	2-Chloroethyl vi...	0.224	0.250	0.269	0.286	0.294	0.265	10.65
56)	M	Bromoform	0.261	0.264	0.276	0.287	0.295	0.277	5.22

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N100824W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.517	0.559	0.573	0.565	0.580	0.559	4.39
59)	M	2-Hexanone	0.367	0.408	0.434	0.428	0.440	0.415	7.19
60)	S	4-Bromofluoroben...	0.465	0.492	0.498	0.506	0.514	0.495	3.80
61)	M	Tetrachloroethene	0.357	0.342	0.332	0.328	0.338	0.339	3.37
62)	M	Toluene	1.767	1.761	1.746	1.732	1.775	1.756	0.99
63)	S	Toluene-d8	1.404	1.395	1.378	1.374	1.397	1.390	0.94
64)	M	Chlorobenzene	1.136	1.086	1.072	1.069	1.102	1.093	2.53
65)		1,1,1,2-Tetrachl...	0.377	0.383	0.380	0.374	0.386	0.380	1.24
66)	M	Ethyl Benzene	1.715	1.889	1.930	1.969	2.036	1.908	6.33
67)	M	m/p-Xylenes	0.654	0.725	0.740	0.732	0.768	0.724	5.87
68)	M	o-Xylene	0.641	0.692	0.708	0.710	0.738	0.698	5.15
69)	M	Styrene	1.059	1.183	1.226	1.232	1.289	1.198	7.20
70)		Isopropylbenzene	1.587	1.786	1.813	1.828	1.892	1.781	6.47
71)	M	1,1,2,2-Tetrachl...	0.543	0.549	0.557	0.544	0.562	0.551	1.49
72)		1,2,3-Trichlorop...	0.452	0.466	0.479	0.471	0.492	0.472	3.15
73)		Bromobenzene	0.416	0.428	0.435	0.431	0.446	0.431	2.52
74)		n-propylbenzene	1.881	2.107	2.158	2.177	2.289	2.123	7.09
75)		2-Chlorotoluene	1.233	1.322	1.315	1.329	1.396	1.319	4.42
76)		1,3,5-Trimethylb...	1.323	1.488	1.532	1.543	1.614	1.500	7.26
77)		t-1,4-Dichloro-2...	0.171	0.187	0.211	0.213	0.225	0.202	10.84
78)		4-Chlorotoluene	1.248	1.323	1.352	1.353	1.428	1.341	4.84
79)		tert-butylbenzene	1.122	1.260	1.309	1.330	1.376	1.279	7.63
80)		1,2,4-Trimethylb...	1.347	1.502	1.550	1.567	1.642	1.522	7.21
81)		sec-Butylbenzene	1.522	1.746	1.794	1.831	1.913	1.762	8.34
82)		p-Isopropyltoluene	1.286	1.439	1.499	1.549	1.641	1.483	8.95
83)	M	1,3-Dichlorobenzene	0.750	0.790	0.808	0.811	0.851	0.802	4.57
84)	M	1,4-Dichlorobenzene	0.786	0.761	0.788	0.805	0.842	0.796	3.77
85)		n-Butylbenzene	1.065	1.199	1.302	1.371	1.484	1.284	12.49
86)	T	Hexachloroethane	0.276	0.279	0.282	0.289	0.302	0.286	3.59
87)	M	1,2-Dichlorobenzene	0.748	0.756	0.780	0.783	0.811	0.775	3.21
88)		1,2-Dibromo-3-Ch...	0.098	0.110	0.119	0.116	0.120	0.113	8.01
89)		1,2,4-Trichlorob...	0.372	0.381	0.410	0.416	0.436	0.403	6.49
90)		Hexachlorobutadiene	0.220	0.173	0.179	0.177	0.183	0.187	10.28
91)	M	Naphthalene	1.093	1.285	1.420	1.481	1.554	1.366	13.33
92)		1,2,3-Trichlorob...	0.372	0.381	0.410	0.416	0.436	0.403	6.49

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084337.D
Acq On : 08 Oct 2024 09:43
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:05:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	33784	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	181536	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	171821	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.576	65	80830	29.718	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.067%				
60) 4-Bromofluorobenzene	12.847	95	88349	31.155	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.867%				
63) Toluene-d8	10.565	98	240116	30.166	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	301403	146.123	ug/l		96
3) Chloromethane	2.359	50	349225	148.780	ug/l		99
4) Vinyl Chloride	2.512	62	340879	148.089	ug/l		97
5) Bromomethane	2.924	94	208863	136.955	ug/l		99
6) Chloroethane	3.100	64	213547	141.510	ug/l		95
7) Trichlorofluoromethane	3.489	101	546712	145.812	ug/l		99
8) Diethyl Ether	3.959	74	206608	149.881	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.365	101	314320	149.095	ug/l		98
10) 1,1-Dichloroethene	4.330	96	309616	147.186	ug/l		92
11) Methyl Iodide	4.583	142	422778	152.937	ug/l		99
12) Methyl Acetate	5.018	43	402489	152.836	ug/l		99
13) Acrolein	4.177	56	371221	758.829	ug/l		100
14) Acrylonitrile	5.718	53	902986	763.216	ug/l		99
15) Acetone	4.424	58	277575	821.289	ug/l		95
16) Carbon Disulfide	4.706	76	909776	145.236	ug/l		100
17) Allyl chloride	5.018	41	511759	150.078	ug/l		95
18) Methylene Chloride	5.271	84	349106	147.322	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	329107	147.827	ug/l		97
20) Diisopropyl ether	6.671	45	1114091	151.956	ug/l		96
21) 1,1-Dichloroethane	6.571	63	620566	147.512	ug/l		97
22) cis-1,2-Dichloroethene	7.482	96	392124	151.363	ug/l		98
23) tert-Butyl Alcohol	5.524	59	333149	734.096	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	1068810	152.038	ug/l	#	85
25) Chloroform	7.965	83	634973	149.030	ug/l		99
26) Cyclohexane	8.253	56	539286	153.272	ug/l	#	97
29) 1,1-Dichloropropene	8.371	75	461334	154.807	ug/l		100
30) 2-Butanone	7.482	43	1249418	787.459	ug/l		99
31) 2,2-Dichloropropane	7.488	77	549477	156.907	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	571549	150.045	ug/l		99
33) Carbon Tetrachloride	8.359	117	504637	152.921	ug/l		97
34) Benzene	8.606	78	1425580	152.821	ug/l		96
35) Methacrylonitrile	7.777	41	279509	165.128	ug/l		99
36) 1,2-Dichloroethane	8.671	62	471651	151.686	ug/l		100
37) Trichloroethene	9.353	130	324930	151.266	ug/l		95
38) Methylcyclohexane	9.600	83	538684	164.564	ug/l		99
39) 1,2-Dichloropropane	9.618	63	348207	153.071	ug/l		97
40) Dibromomethane	9.706	93	243118	152.917	ug/l		98
41) Bromodichloromethane	9.888	83	515968	152.872	ug/l		94
42) Vinyl Acetate	6.600	43	4357419	789.646	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084337.D
Acq On : 08 Oct 2024 09:43
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:05:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	484255	154.753 ug/l	100
44) Isopropyl Acetate	8.688	43	808933	157.943 ug/l	99
45) 1,4-Dioxane	9.694	88	147762	3200.393 ug/l	98
46) Methyl methacrylate	9.676	41	391545	158.224 ug/l	100
47) n-amyl Acetate	12.494	43	752246	165.124 ug/l	97
48) t-1,3-Dichloropropene	10.835	75	547316	156.926 ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	578523	158.273 ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	323065	151.179 ug/l	96
51) Ethyl methacrylate	10.870	69	581930	164.863 ug/l	95
52) 1,3-Dichloropropane	11.165	76	568999	152.279 ug/l	99
53) Dibromochloromethane	11.359	129	390970	154.875 ug/l	100
54) 1,2-Dibromoethane	11.470	107	336624	153.033 ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	1333727	833.093 ug/l	99
56) Bromoform	12.576	173	268044	160.094 ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	2491181	778.311 ug/l	99
59) 2-Hexanone	11.194	43	1891152	795.133 ug/l	99
61) Tetrachloroethene	11.106	164	290573	149.507 ug/l	97
62) Toluene	10.629	91	1525116	151.621 ug/l	99
64) Chlorobenzene	11.894	112	946501	151.211 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	331211	152.311 ug/l	99
66) Ethyl Benzene	11.964	91	1749567	160.094 ug/l	99
67) m/p-Xylenes	12.070	106	1319448	318.270 ug/l	100
68) o-Xylene	12.394	106	633813	158.611 ug/l	99
69) Styrene	12.412	104	1107376	161.432 ug/l	99
70) Isopropylbenzene	12.694	105	1625283	159.320 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	483003	153.053 ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	422311m	156.469 ug/l	
73) Bromobenzene	12.982	156	383306	155.148 ug/l	100
74) n-propylbenzene	13.035	91	1966655	161.778 ug/l	99
75) 2-Chlorotoluene	13.123	91	1199693	158.816 ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1386742	161.447 ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	193413	167.468 ug/l	98
78) 4-Chlorotoluene	13.223	91	1227049	159.769 ug/l	100
79) tert-butylbenzene	13.435	119	1182498	161.368 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	1410559	161.849 ug/l	100
81) sec-Butylbenzene	13.617	105	1643555	162.908 ug/l	99
82) p-Isopropyltoluene	13.729	119	1409541	165.992 ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	731253	159.183 ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	723724	158.652 ug/l	99
85) n-Butylbenzene	14.053	91	1274832	173.335 ug/l	98
86) Hexachloroethane	14.335	117	259393	158.553 ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	696639	156.847 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	102940	159.510 ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	374861	162.329 ug/l	99
90) Hexachlorobutadiene	15.500	225	157242	147.184 ug/l	97
91) Naphthalene	15.641	128	1334733	170.565 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	374861	162.329 ug/l	99

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

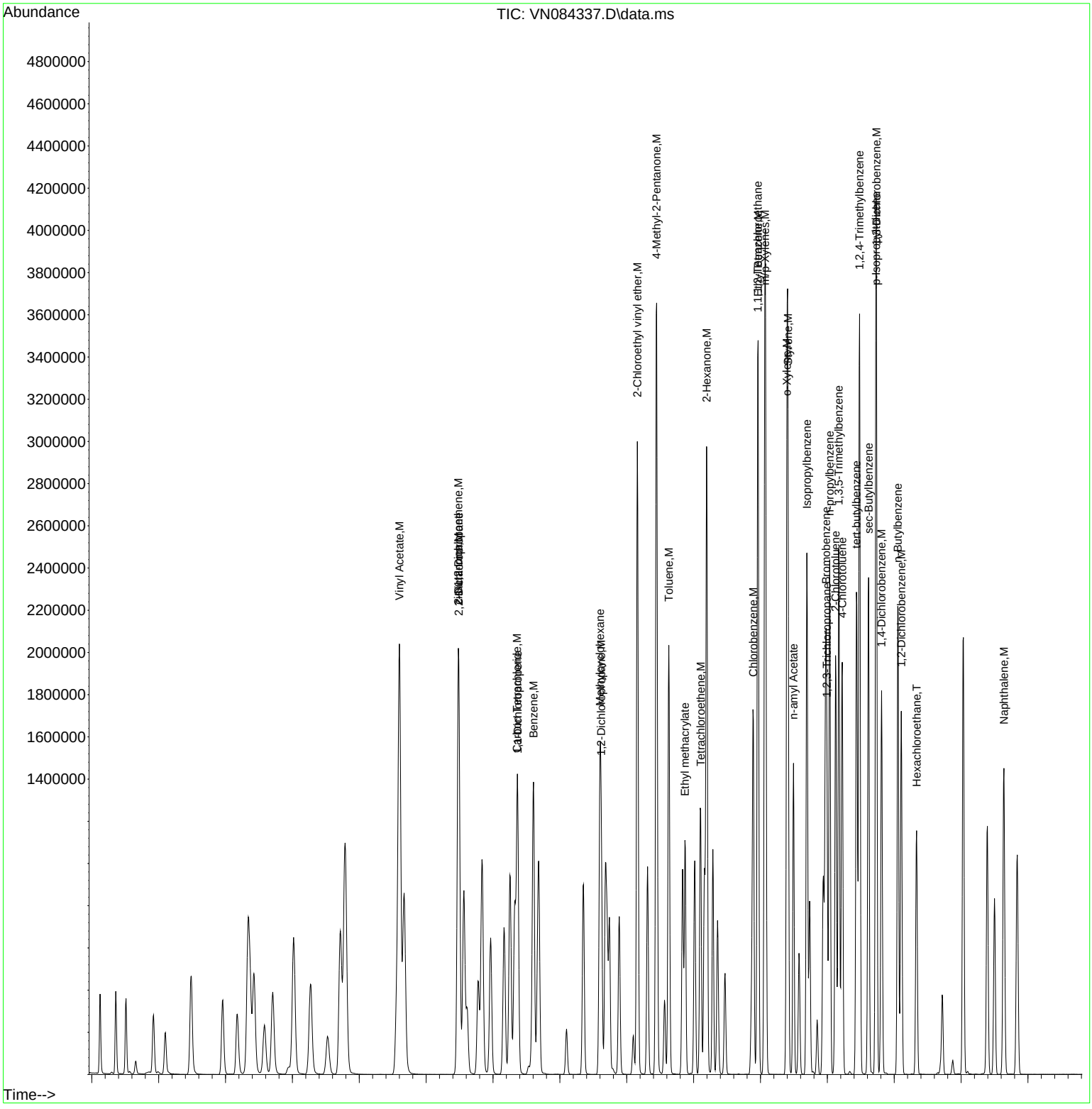
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084337.D
Acq On : 08 Oct 2024 09:43
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

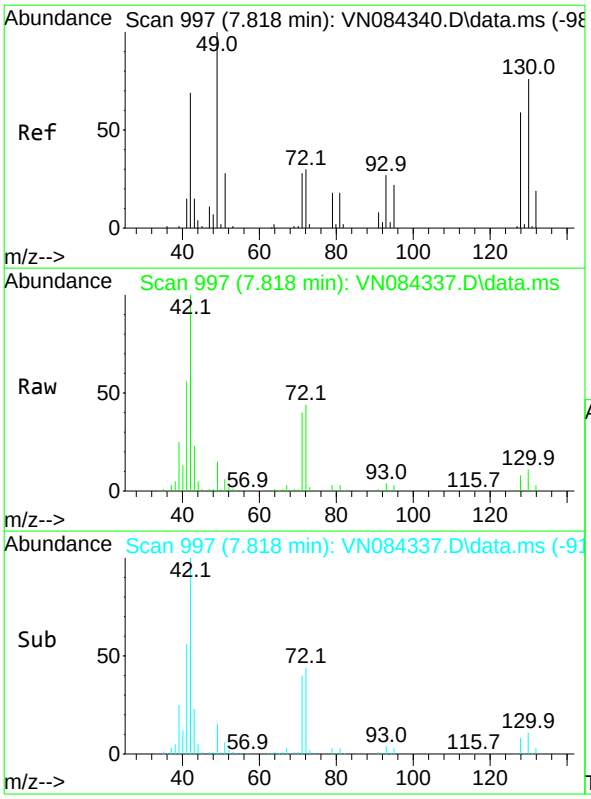
Quant Time: Oct 09 02:05:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

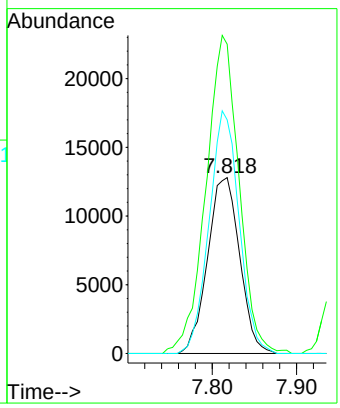




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:128 Resp: 33784

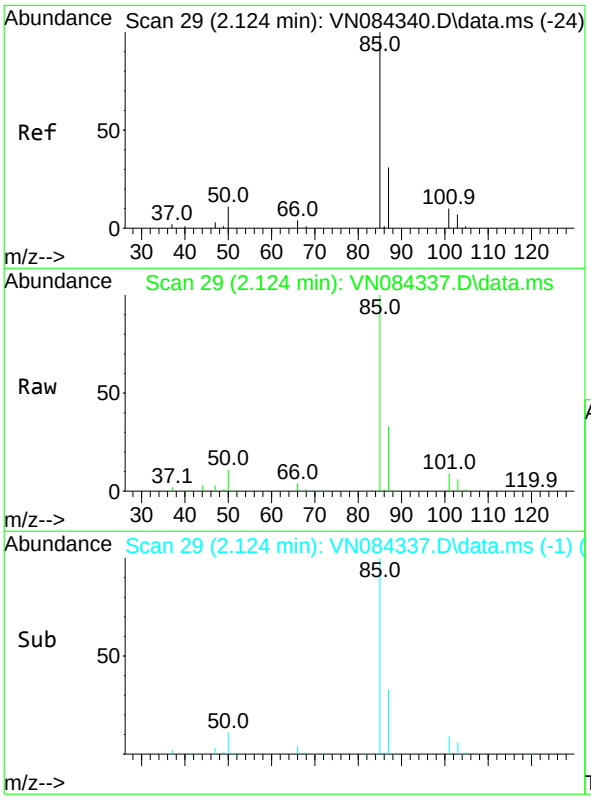
Ion	Ratio	Lower	Upper
128	100		
49	185.9	0.0	430.0
130	129.4	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

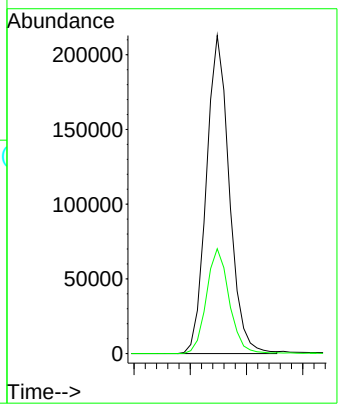
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

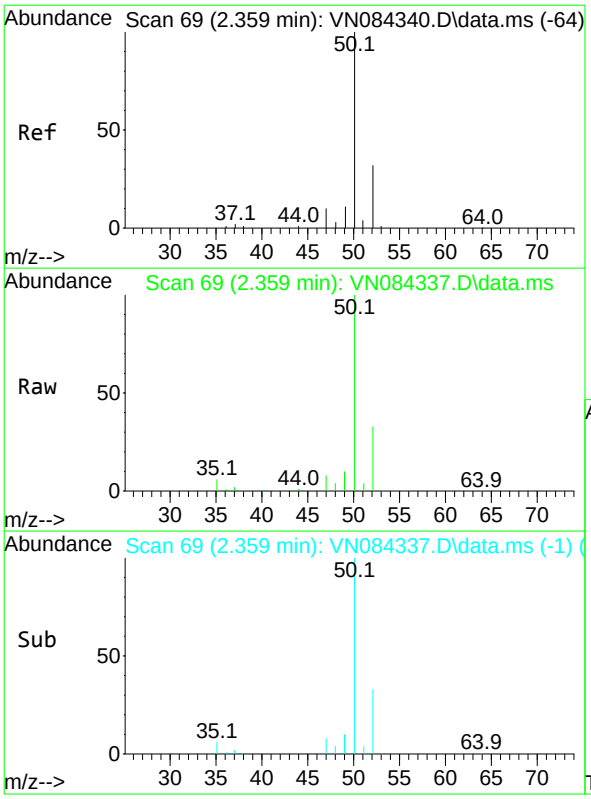


#2
Dichlorodifluoromethane
Concen: 146.123 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 85 Resp: 301403

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4

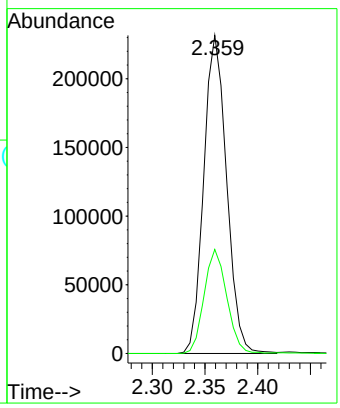




#3
Chloromethane
Concen: 148.780 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 50 Resp: 349225

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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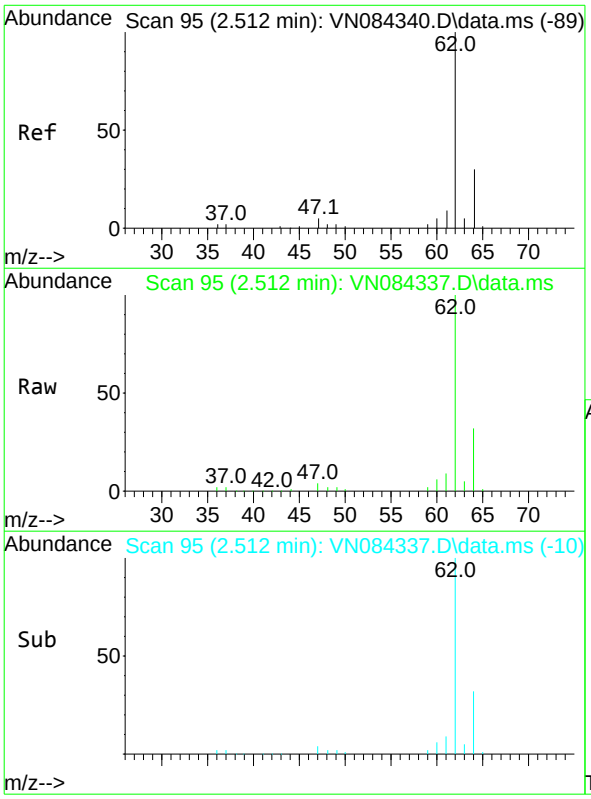
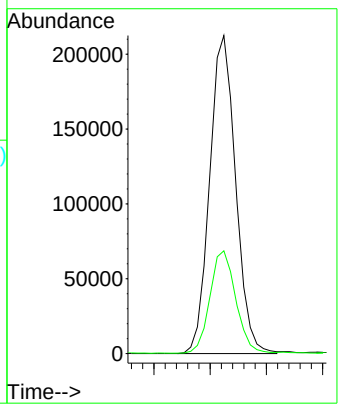
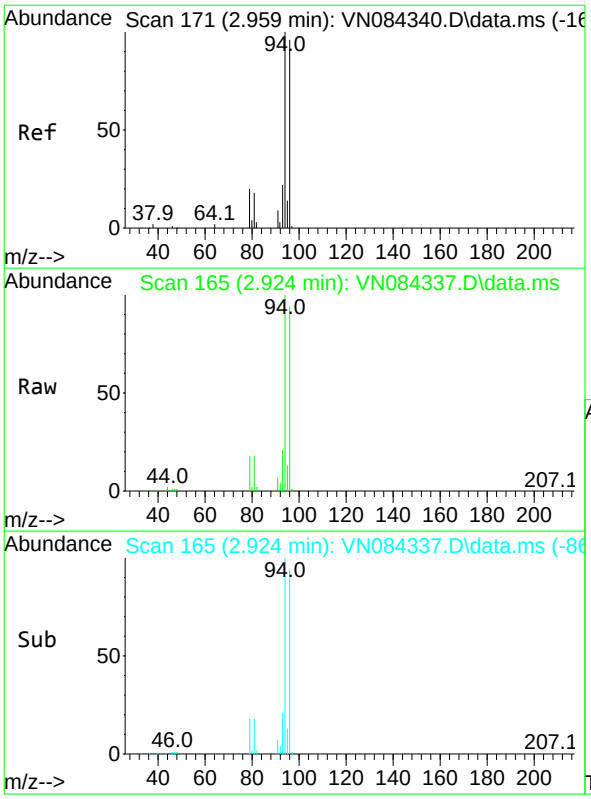


#4
Vinyl Chloride
Concen: 148.089 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 62 Resp: 340879

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

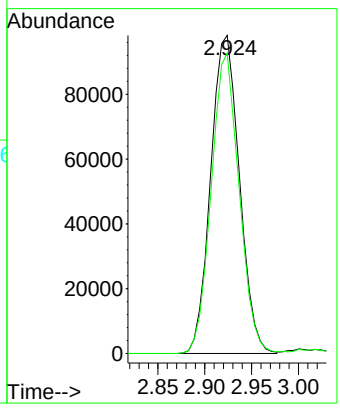




#5
Bromomethane
Concen: 136.955 ug/l
RT: 2.924 min Scan# 16
Delta R.T. -0.035 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 94 Resp: 208863

Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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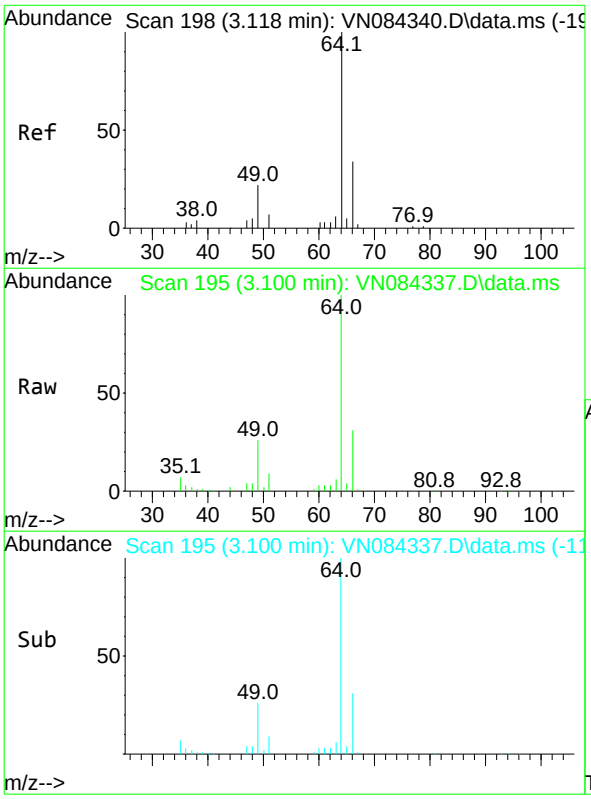
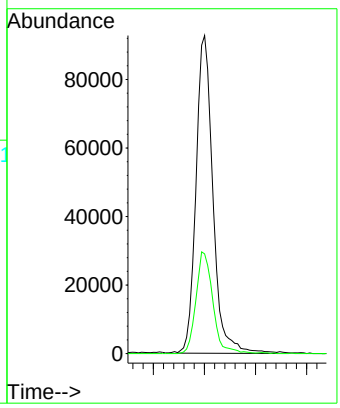
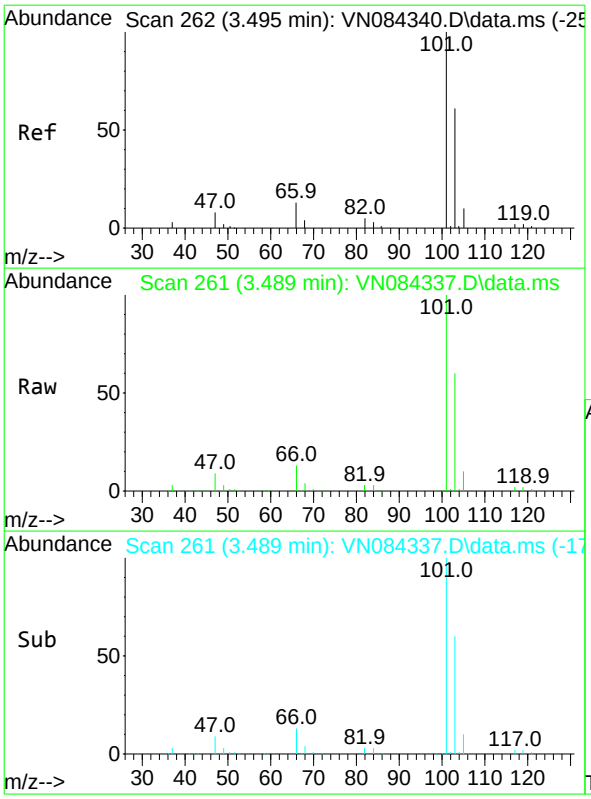


#6
Chloroethane
Concen: 141.510 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 64 Resp: 213547

Ion	Ratio	Lower	Upper
64	100		
66	31.4	27.7	41.5

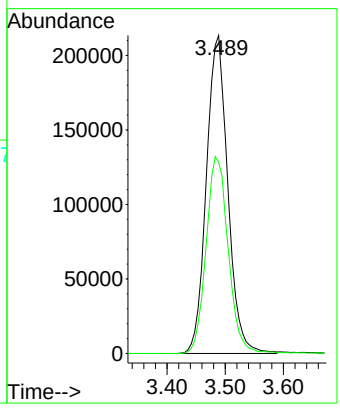




#7
Trichlorofluoromethane
Concen: 145.812 ug/l
RT: 3.489 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:101 Resp: 546712

Ion	Ratio	Lower	Upper
101	100		
103	60.2	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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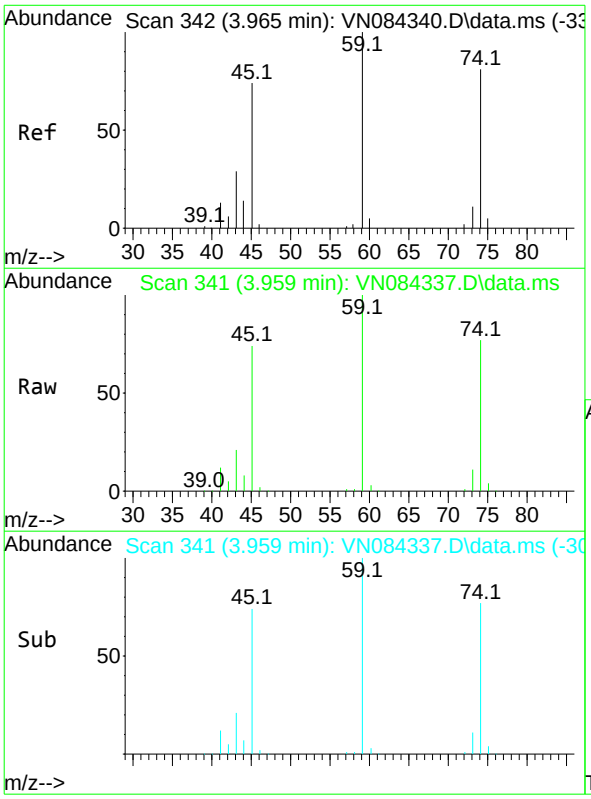
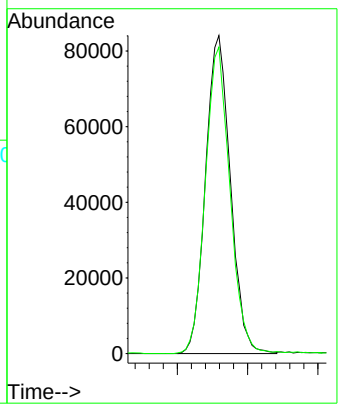
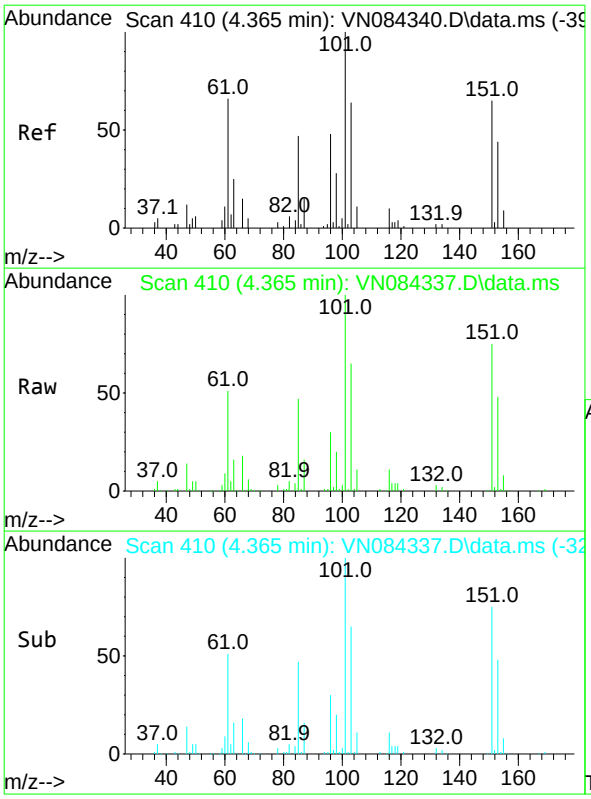


#8
Diethyl Ether
Concen: 149.881 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 74 Resp: 206608

Ion	Ratio	Lower	Upper
74	100		
45	95.3	19.2	173.2

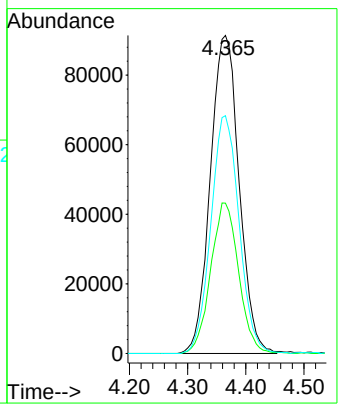




#9
1,1,2-Trichlorotrifluoroethane
Concen: 149.095 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:101 Resp: 314320

Ion	Ratio	Lower	Upper
101	100		
85	45.9	0.0	93.6
151	73.4	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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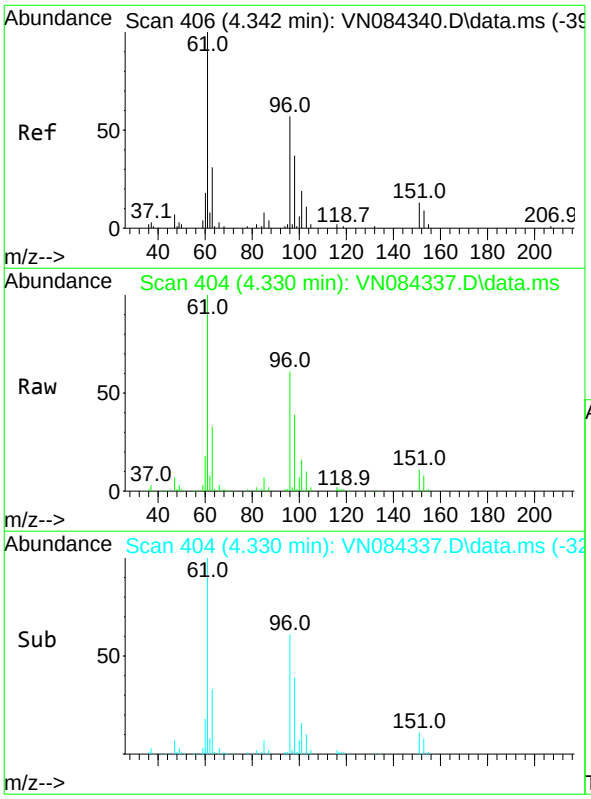
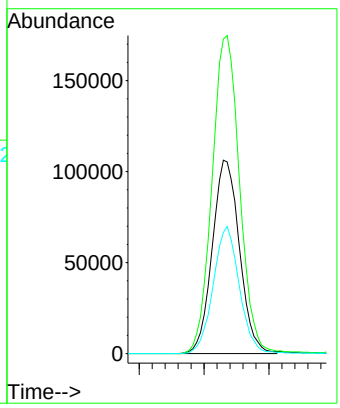
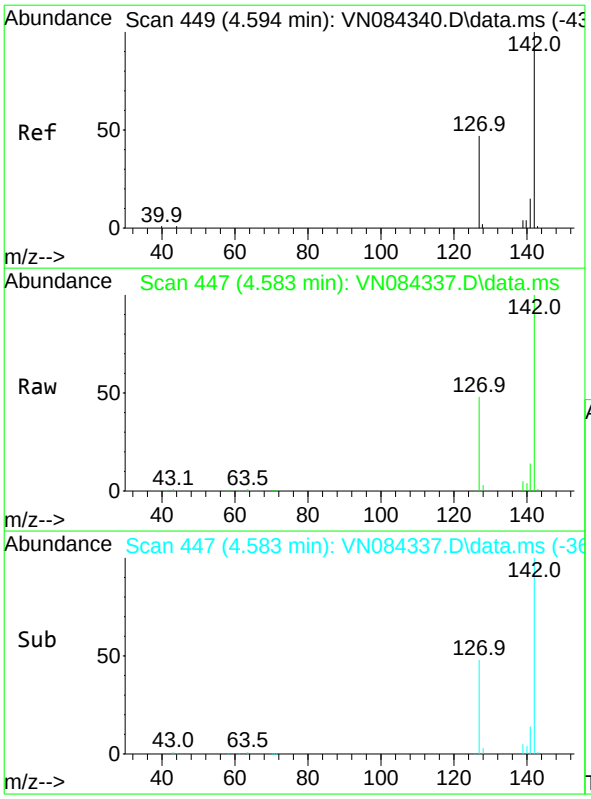


#10
1,1-Dichloroethene
Concen: 147.186 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 96 Resp: 309616

Ion	Ratio	Lower	Upper
96	100		
61	162.6	140.8	211.2
98	62.7	52.2	78.2

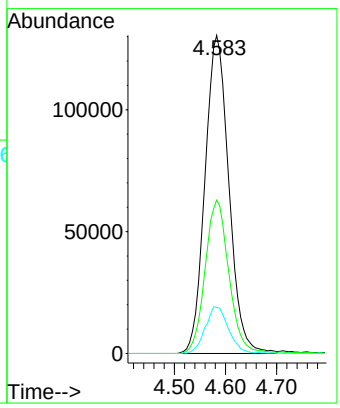




#11
Methyl Iodide
Concen: 152.937 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:142 Resp: 422778

Ion	Ratio	Lower	Upper
142	100		
127	48.2	23.8	71.4
141	14.5	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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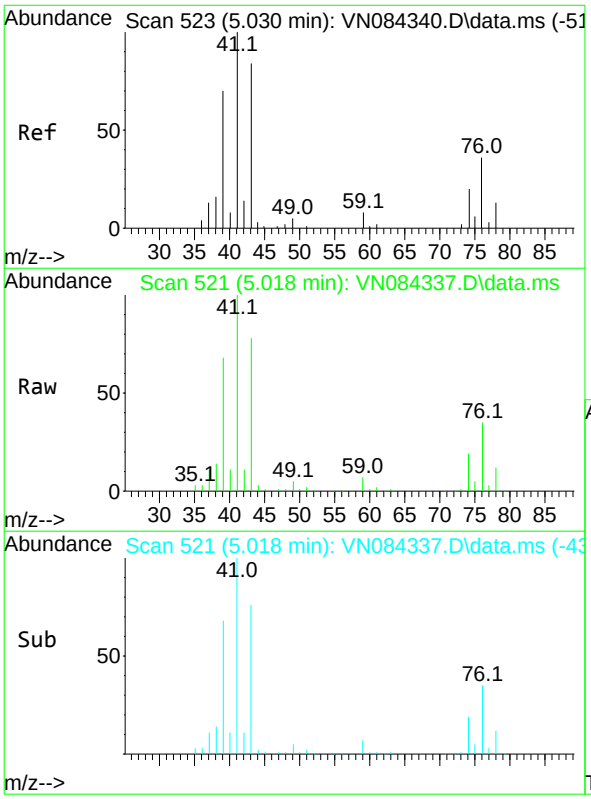
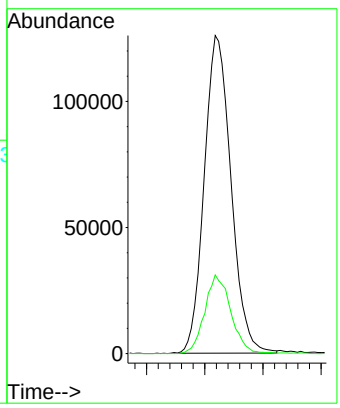
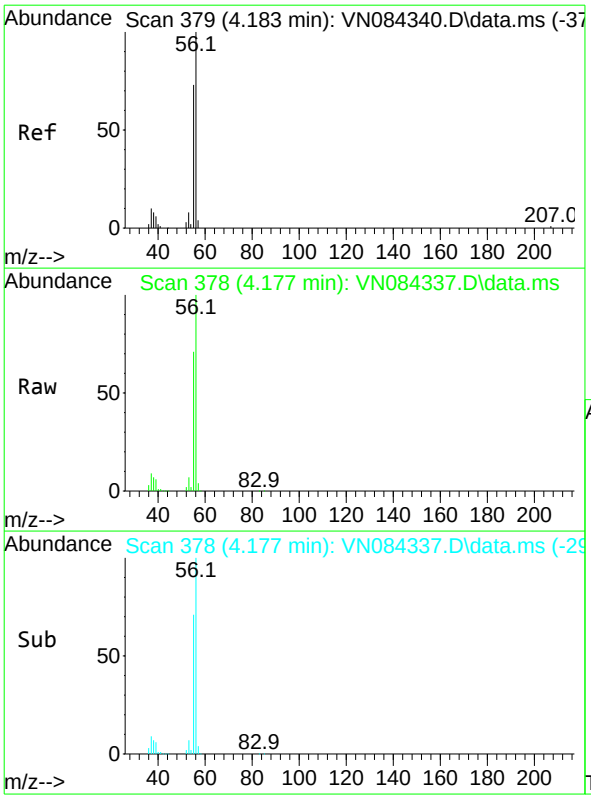


#12
Methyl Acetate
Concen: 152.836 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.012 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 402489

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2

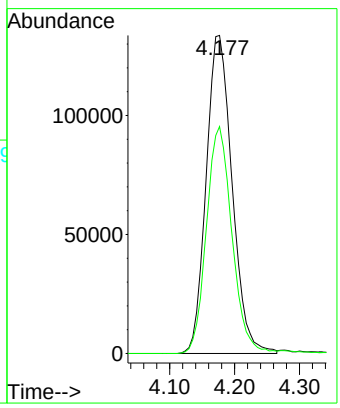




#13
Acrolein
Concen: 758.829 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 56 Resp: 371221

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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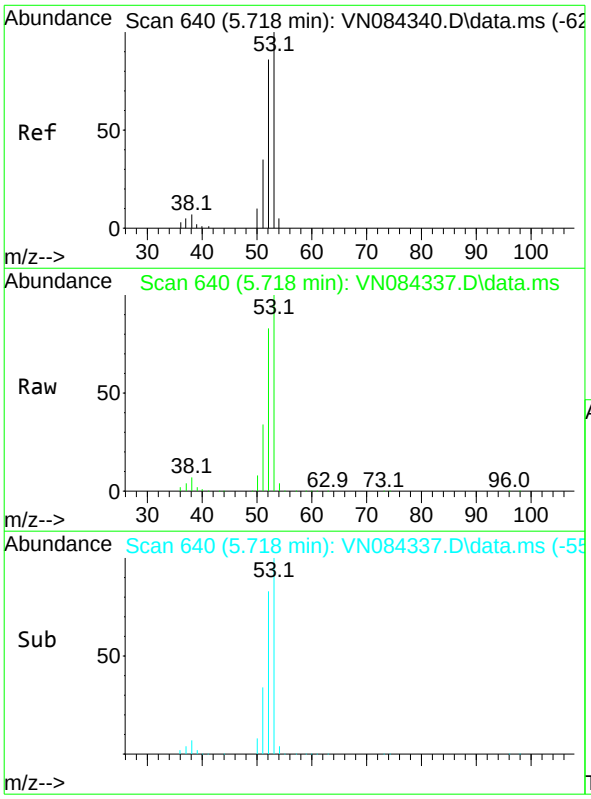
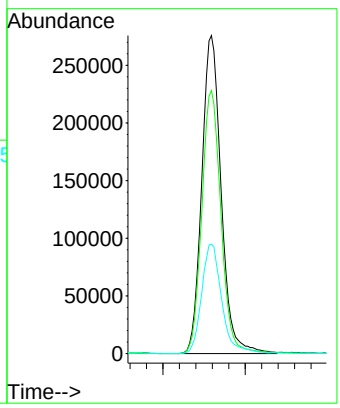
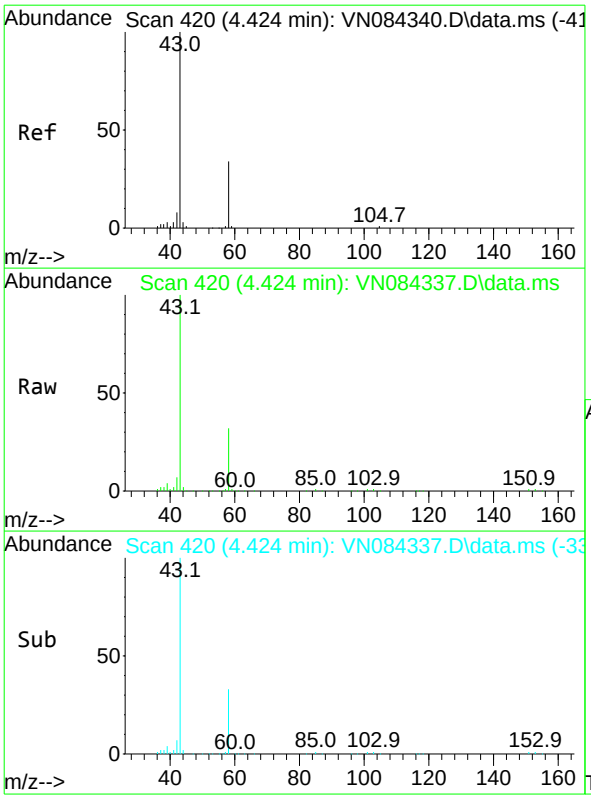


#14
Acrylonitrile
Concen: 763.216 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 53 Resp: 902986

Ion	Ratio	Lower	Upper
53	100		
52	81.6	40.4	121.2
51	35.6	17.8	53.4

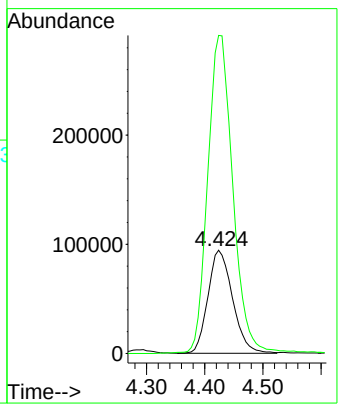




#15
Acetone
Concen: 821.289 ug/l
RT: 4.424 min Scan# 42
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 58 Resp: 277575

Ion	Ratio	Lower	Upper
58	100		
43	307.5	237.5	356.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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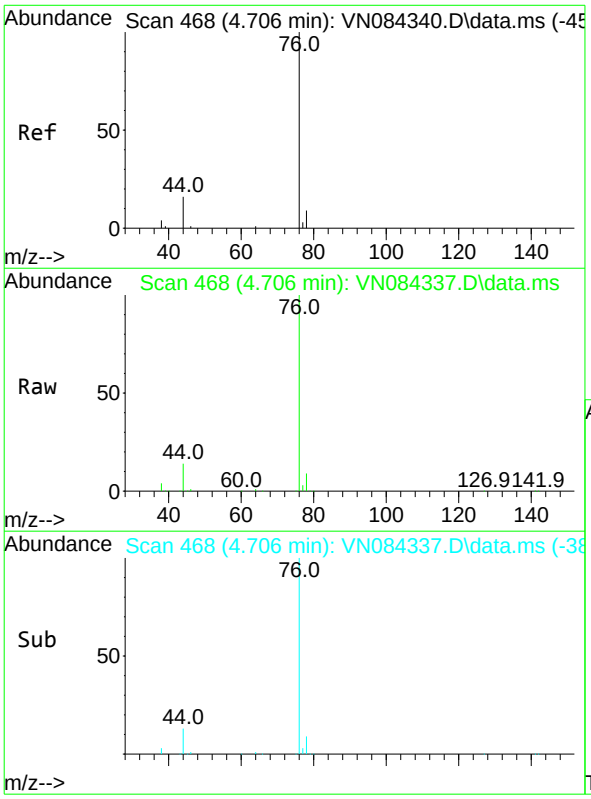
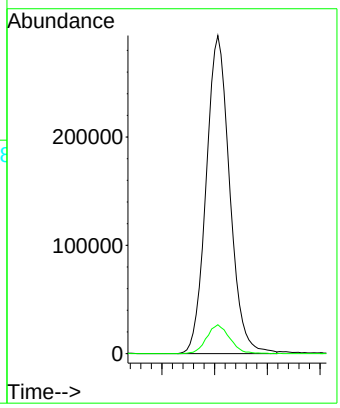
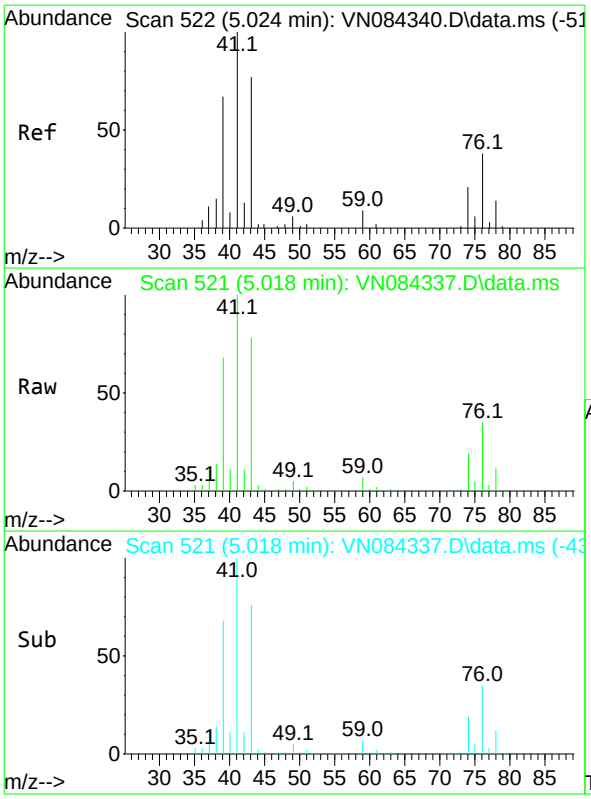


#16
Carbon Disulfide
Concen: 145.236 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 76 Resp: 909776

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

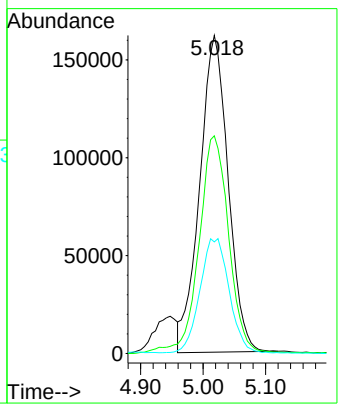




#17
Allyl chloride
Concen: 150.078 ug/l
RT: 5.018 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 41 Resp: 511759

Ion	Ratio	Lower	Upper
41	100		
39	68.5	31.4	94.3
76	35.0	17.8	53.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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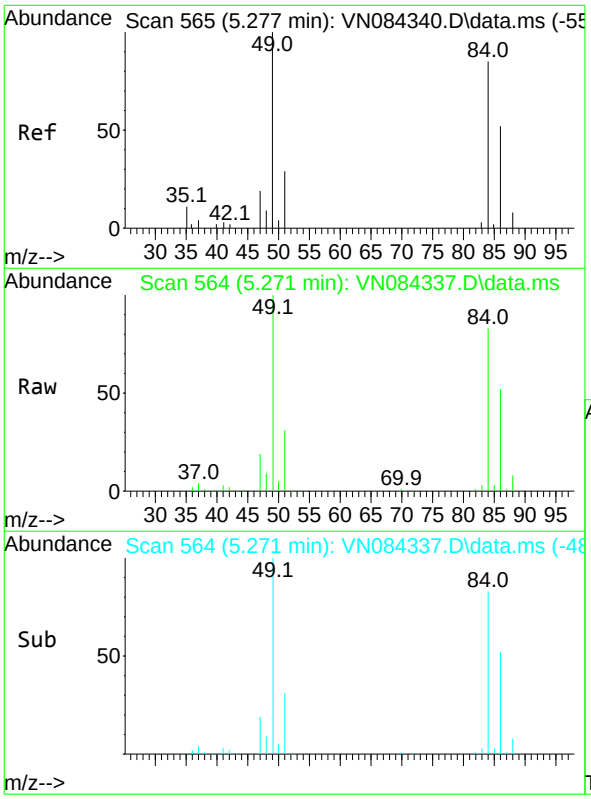
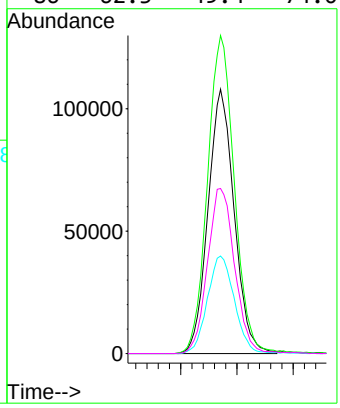
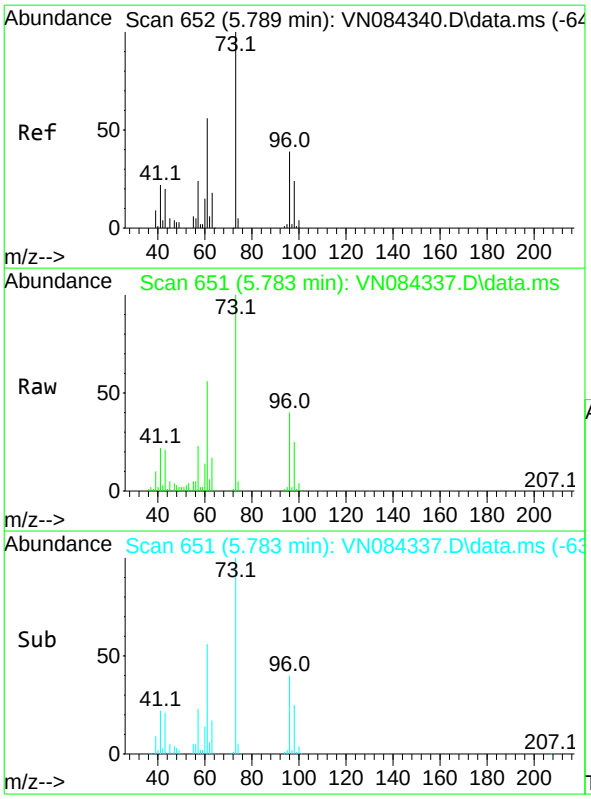


#18
Methylene Chloride
Concen: 147.322 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 84 Resp: 349106

Ion	Ratio	Lower	Upper
84	100		
49	120.0	94.6	142.0
51	36.9	27.3	40.9
86	62.3	49.4	74.0

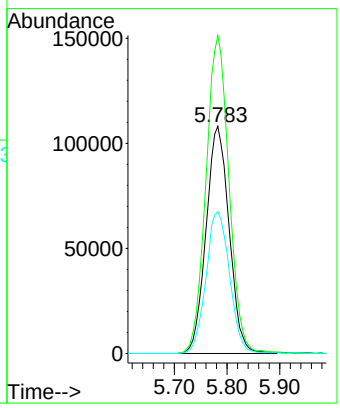




#19
trans-1,2-Dichloroethene
Concen: 147.827 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 96 Resp: 329107

Ion	Ratio	Lower	Upper
96	100		
61	140.0	115.8	173.6
98	62.5	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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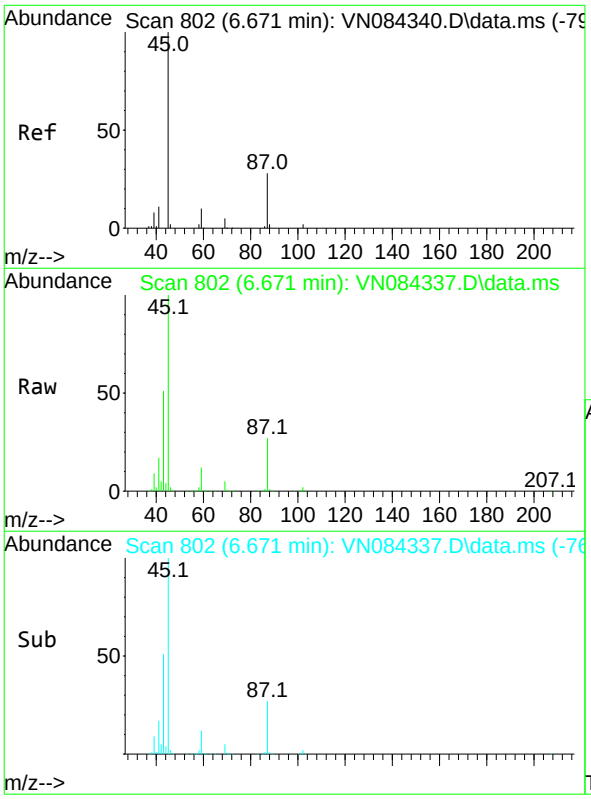
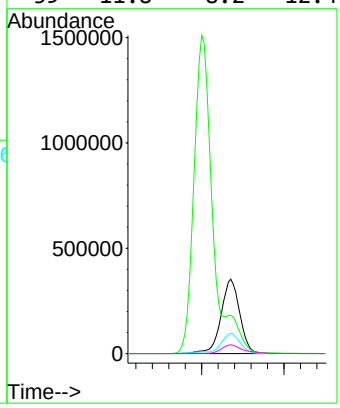
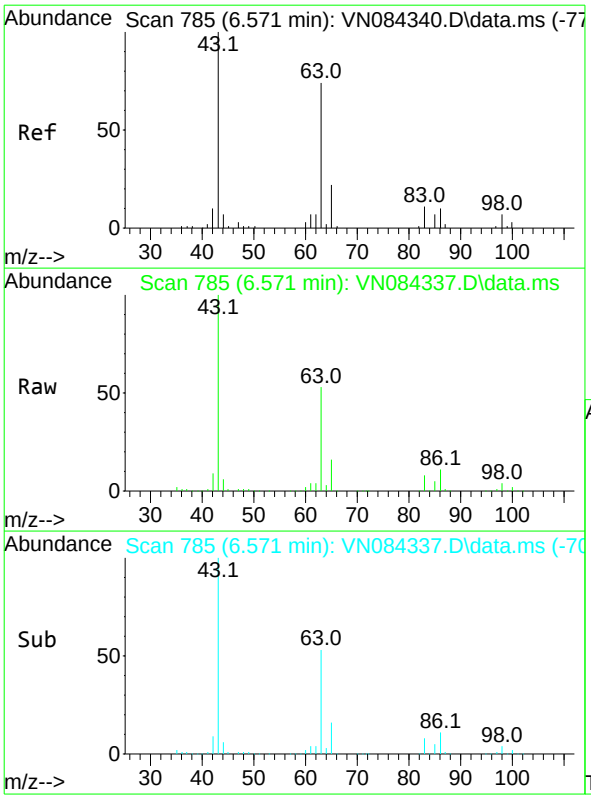


#20
Diisopropyl ether
Concen: 151.956 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 45 Resp: 1114091

Ion	Ratio	Lower	Upper
45	100		
43	50.9	43.7	65.5
87	27.1	23.1	34.7
59	11.8	8.2	12.4

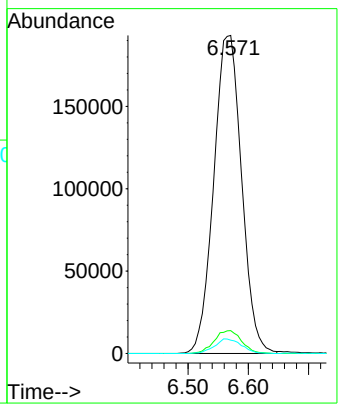




#21
1,1-Dichloroethane
Concen: 147.512 ug/l
RT: 6.571 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 63 Resp: 620566

Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.5	13.4
100	4.2	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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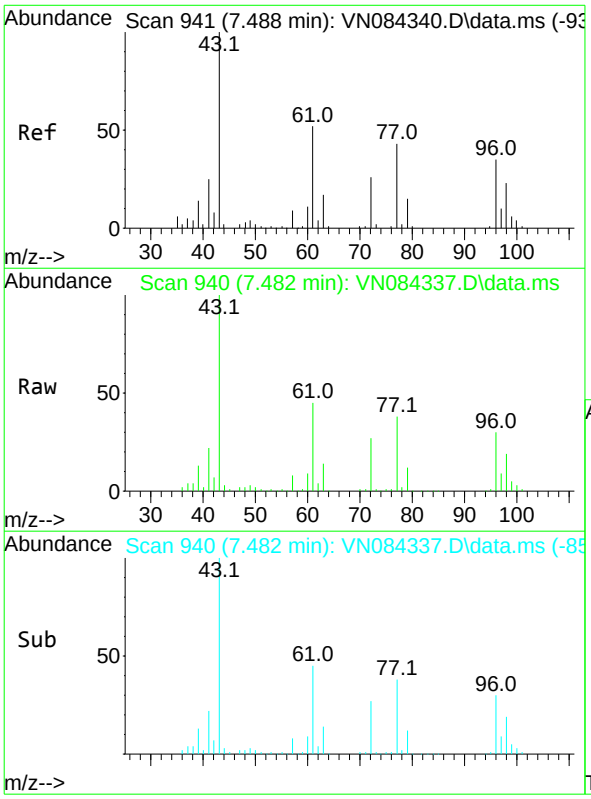
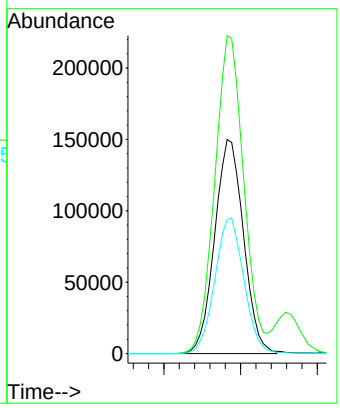
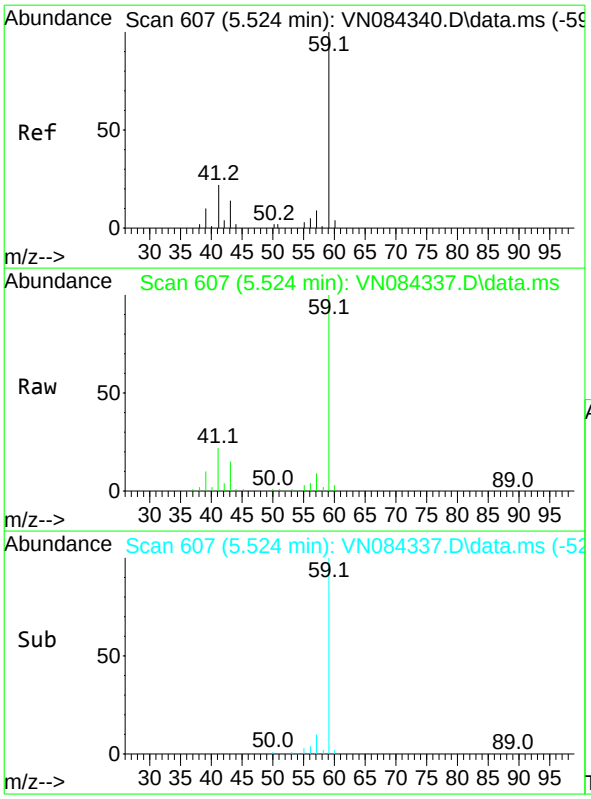


#22
cis-1,2-Dichloroethene
Concen: 151.363 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 96 Resp: 392124

Ion	Ratio	Lower	Upper
96	100		
61	149.9	118.0	177.0
98	63.8	51.8	77.8

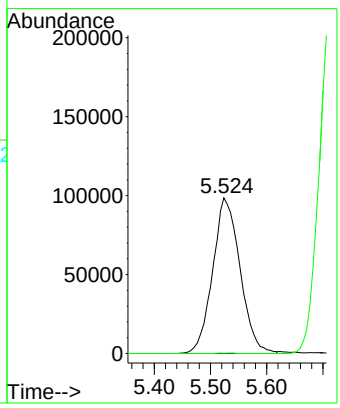




#23
tert-Butyl Alcohol
Concen: 734.096 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 59 Resp: 333149

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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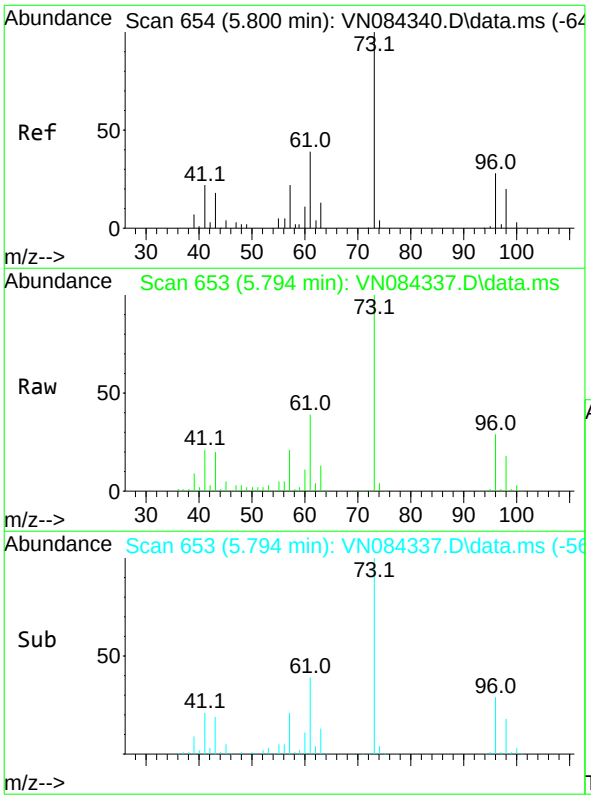
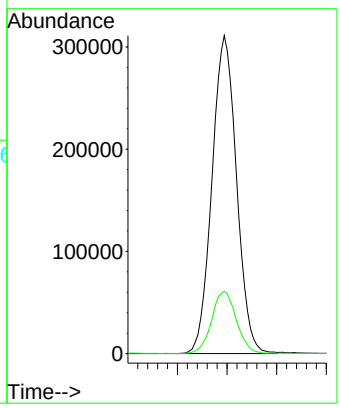
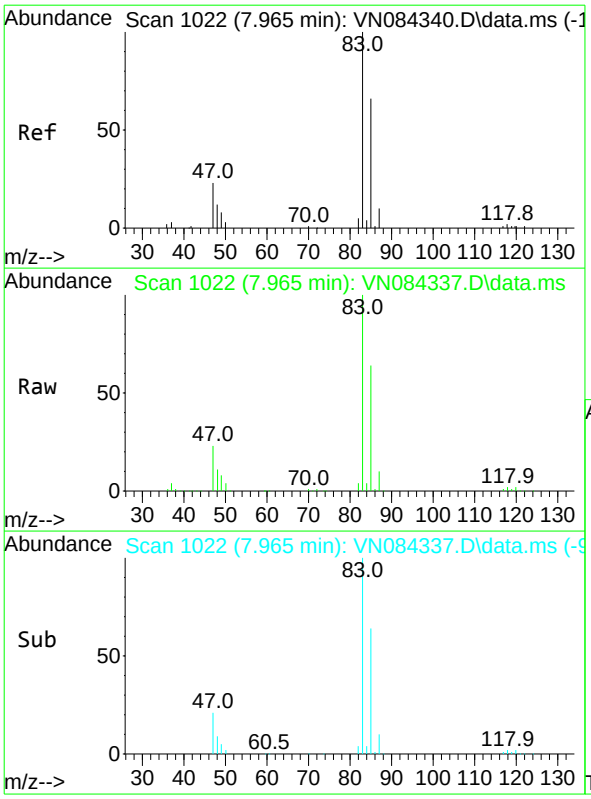


#24
Methyl tert-Butyl Ether
Concen: 152.038 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 73 Resp: 1068810

Ion	Ratio	Lower	Upper
73	100		
43	19.8	10.9	16.3#

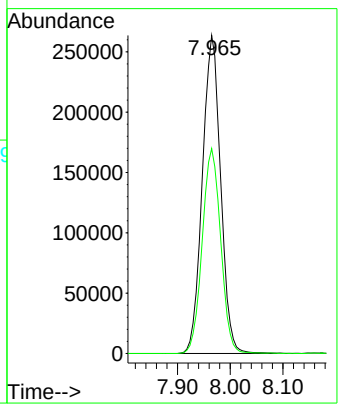




#25
Chloroform
Concen: 149.030 ug/l
RT: 7.965 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 83 Resp: 634973

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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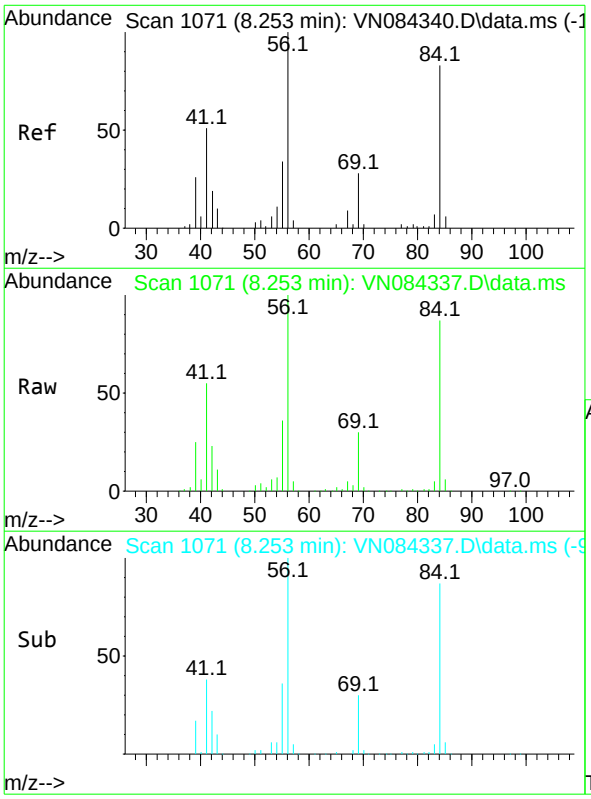
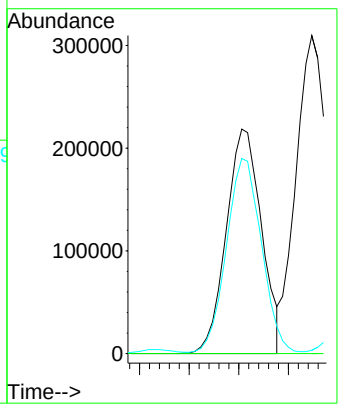
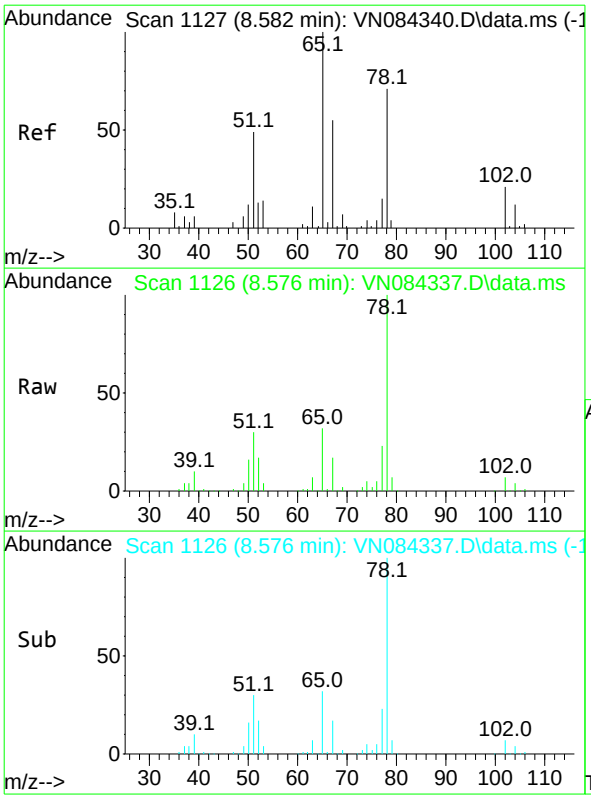


#26
Cyclohexane
Concen: 153.272 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 56 Resp: 539286

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	86.9	67.0	100.6





#27
1,2-Dichloroethane-d4
Concen: 29.718 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 65 Resp: 80830

Ion	Ratio	Lower	Upper
65	100		
67	53.4	41.5	62.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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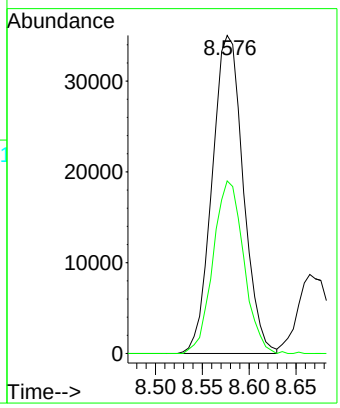
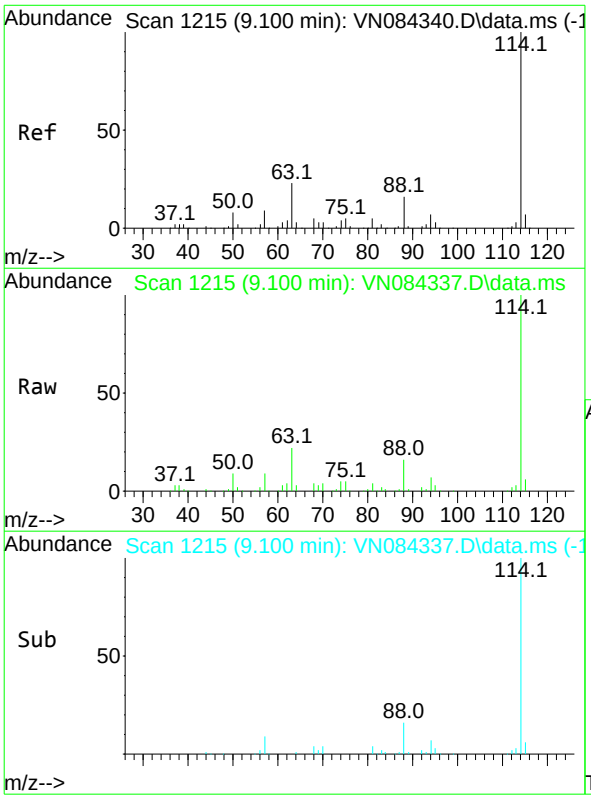
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

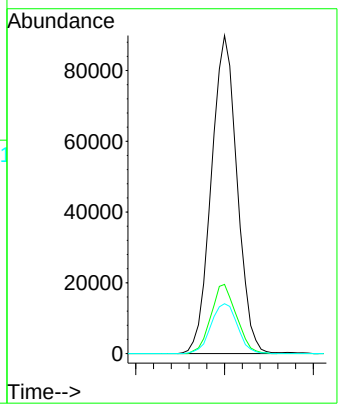


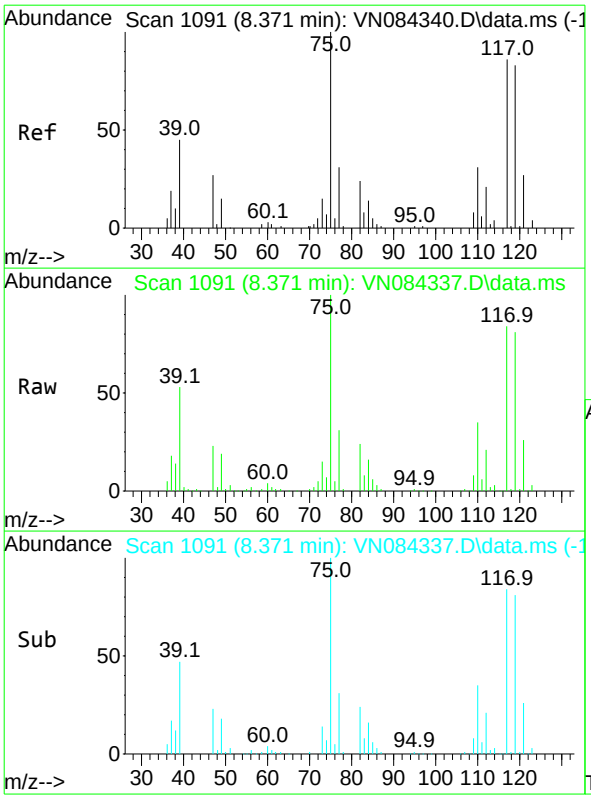


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:114 Resp: 181536

Ion	Ratio	Lower	Upper
114	100		
63	21.5	17.4	26.0
88	16.1	13.2	19.8

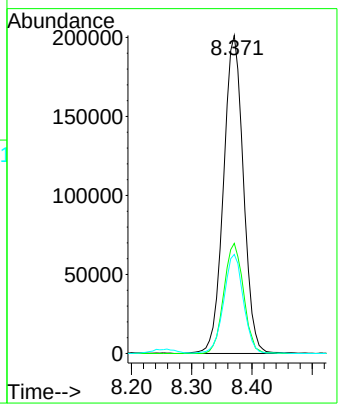




#29
1,1-Dichloropropene
Concen: 154.807 ug/l
RT: 8.371 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 461334

Ion	Ratio	Lower	Upper
75	100		
110	34.2	0.0	67.6
77	30.6	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
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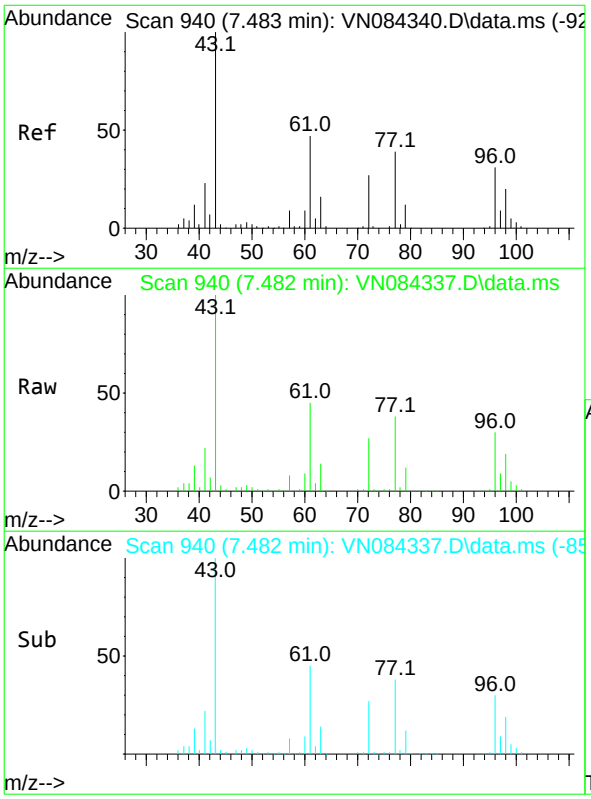
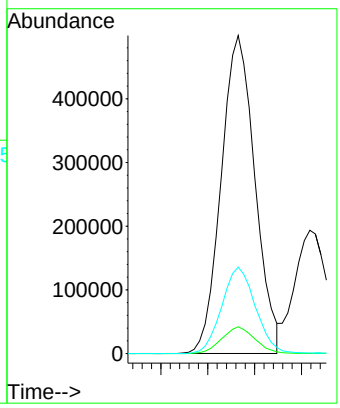
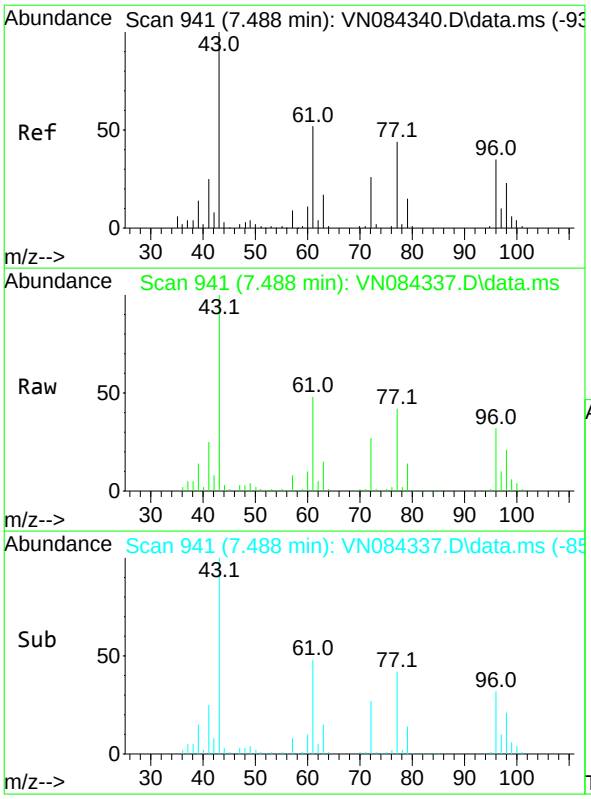


#30
2-Butanone
Concen: 787.459 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 1249418

Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	9.8
72	27.3	21.3	31.9

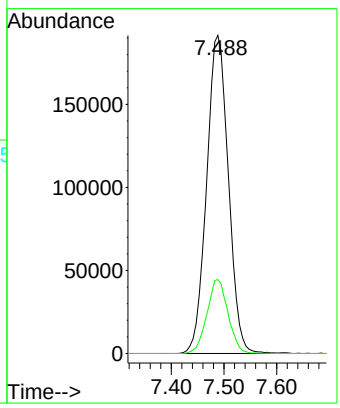




#31
2,2-Dichloropropane
Concen: 156.907 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 77 Resp: 549477

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.5	17.3#



Instrument :
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ClientSampleId :
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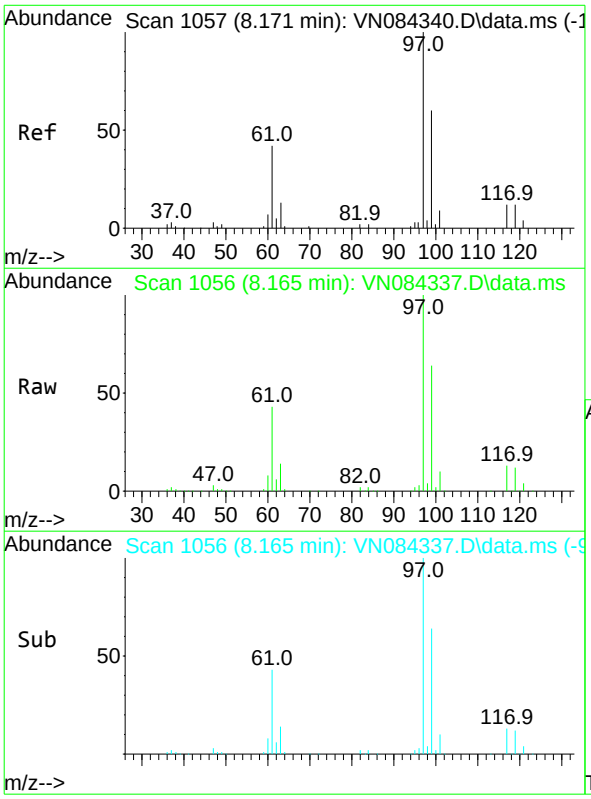
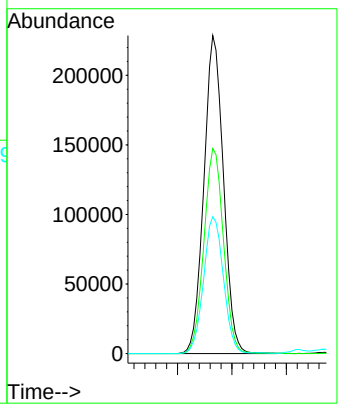
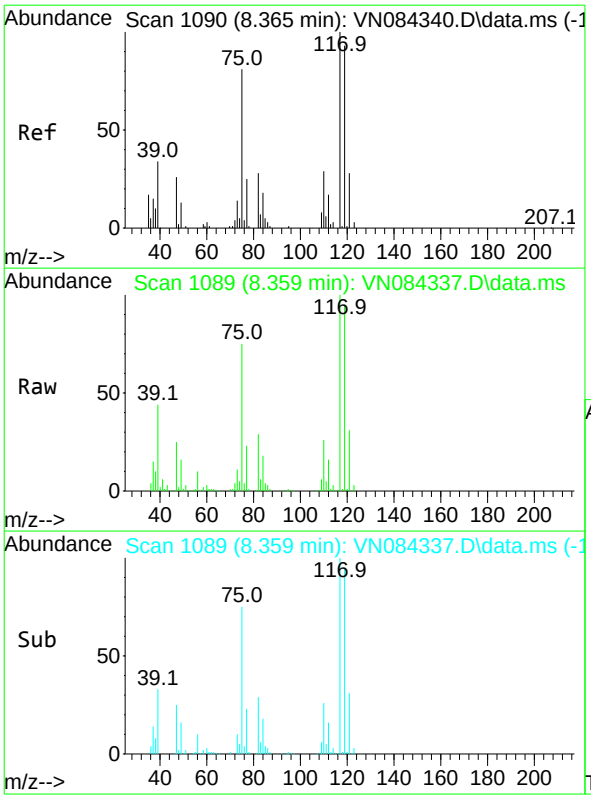


#32
1,1,1-Trichloroethane
Concen: 150.045 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 97 Resp: 571549

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	43.7	34.1	51.1

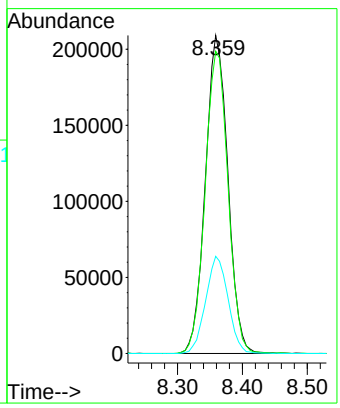




#33
Carbon Tetrachloride
Concen: 152.921 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:117 Resp: 504637

Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.3	111.5
121	30.6	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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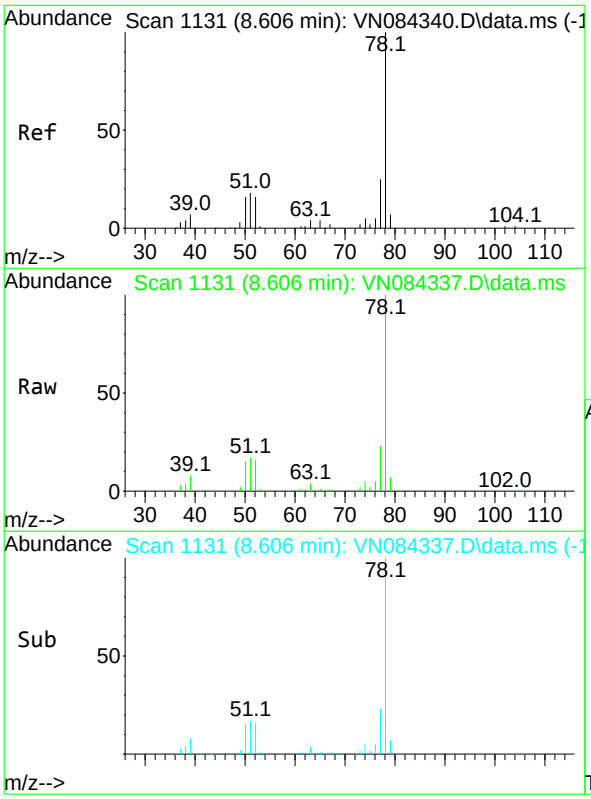
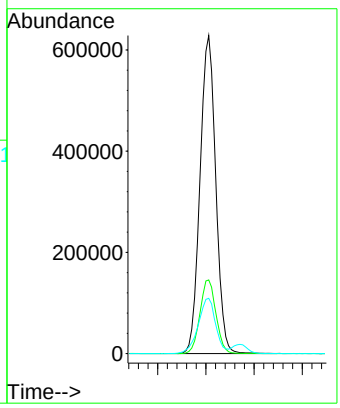
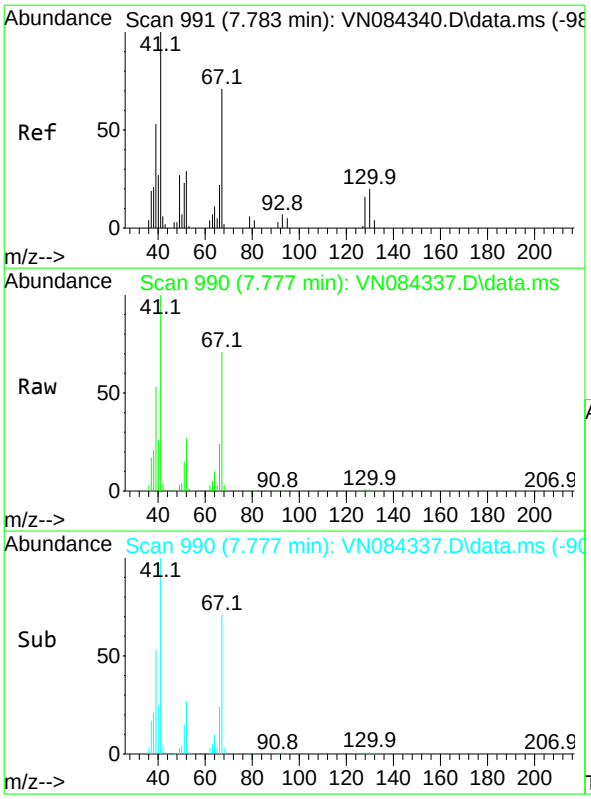


#34
Benzene
Concen: 152.821 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 78 Resp: 1425580

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.6	29.4
51	17.4	15.8	23.6

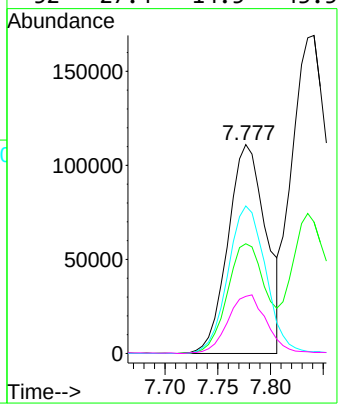




#35
Methacrylonitrile
Concen: 165.128 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 41 Resp: 279509

Ion	Ratio	Lower	Upper
41	100		
39	52.5	26.4	79.0
67	70.6	35.7	107.1
52	27.4	14.5	43.5



Instrument :
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ClientSampleId :
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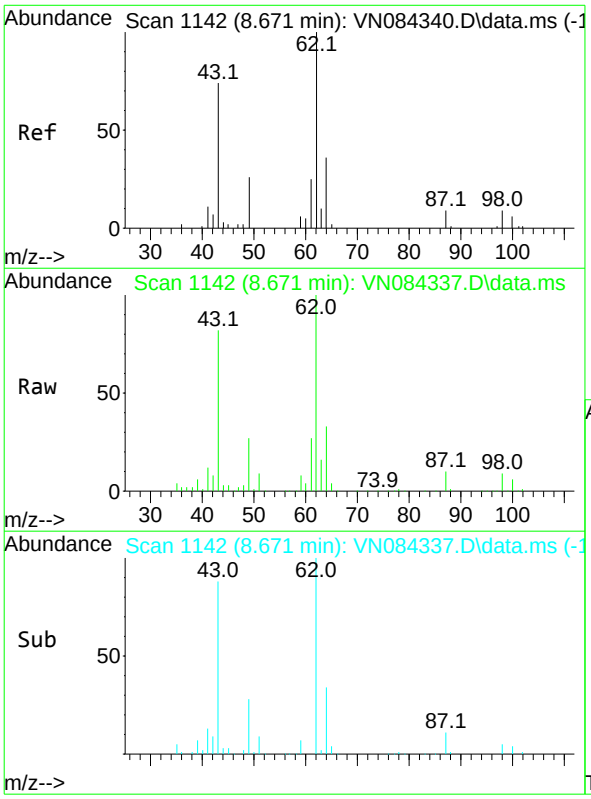
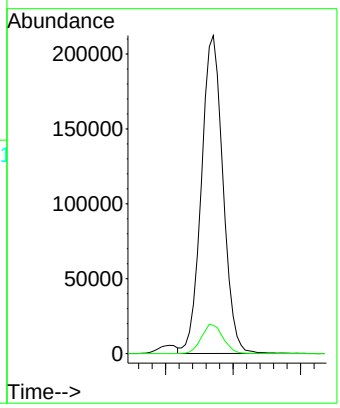
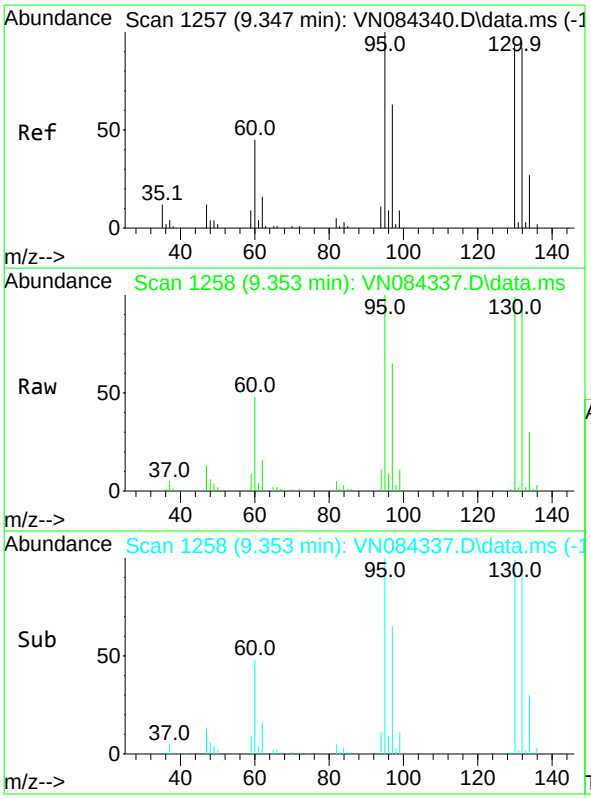


#36
1,2-Dichloroethane
Concen: 151.686 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 62 Resp: 471651

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9

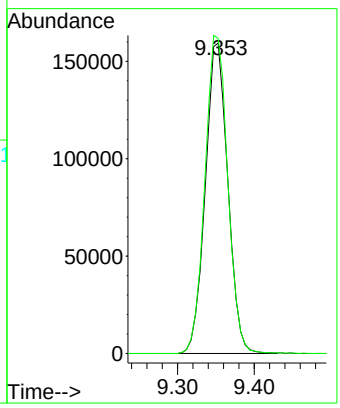




#37
Trichloroethene
Concen: 151.266 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:130 Resp: 324930

Ion	Ratio	Lower	Upper
130	100		
95	101.5	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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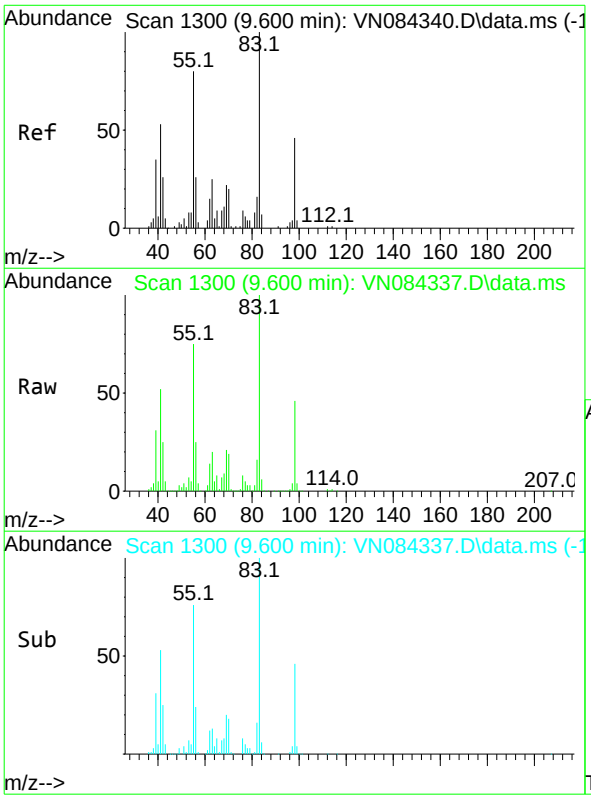
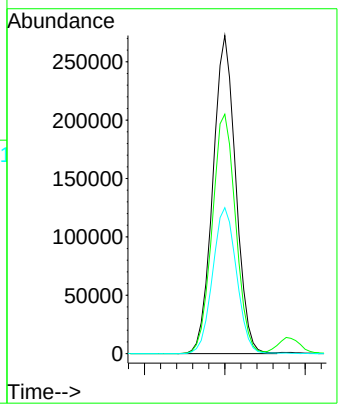
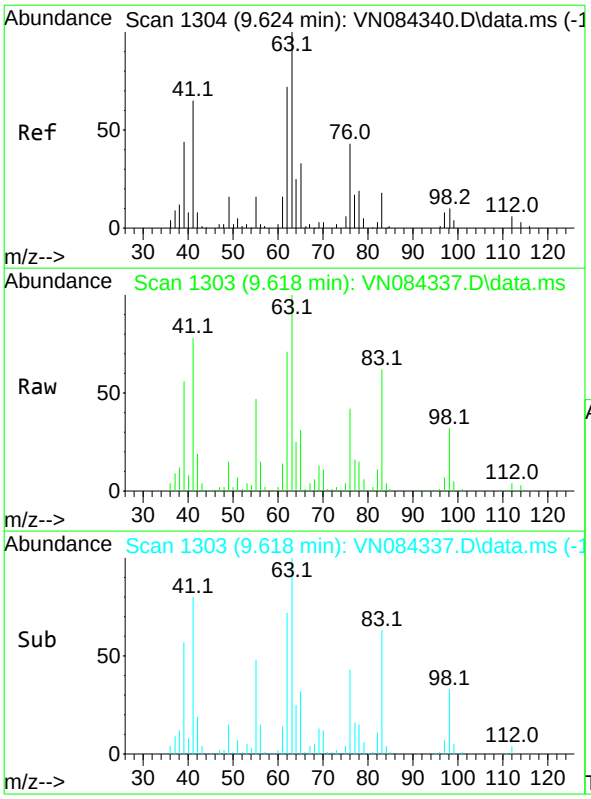


#38
Methylcyclohexane
Concen: 164.564 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 83 Resp: 538684

Ion	Ratio	Lower	Upper
83	100		
55	77.3	39.3	117.8
98	47.9	24.0	72.0

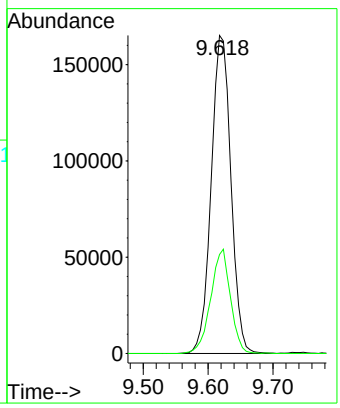




#39
1,2-Dichloropropane
Concen: 153.071 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 63 Resp: 348207

Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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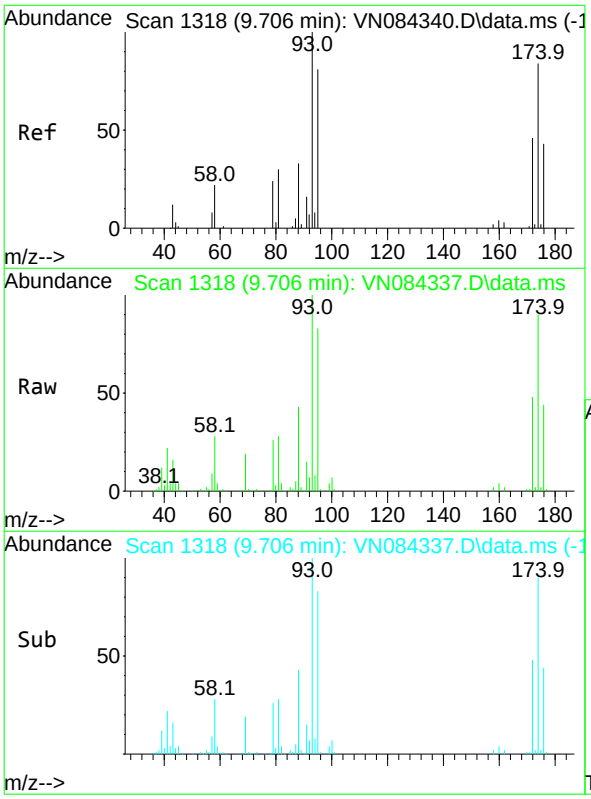
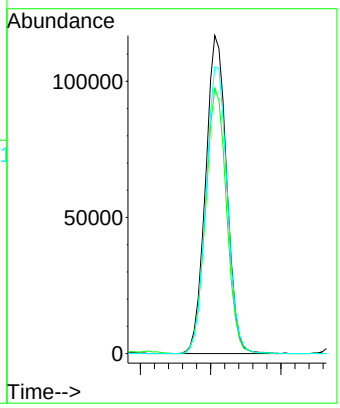
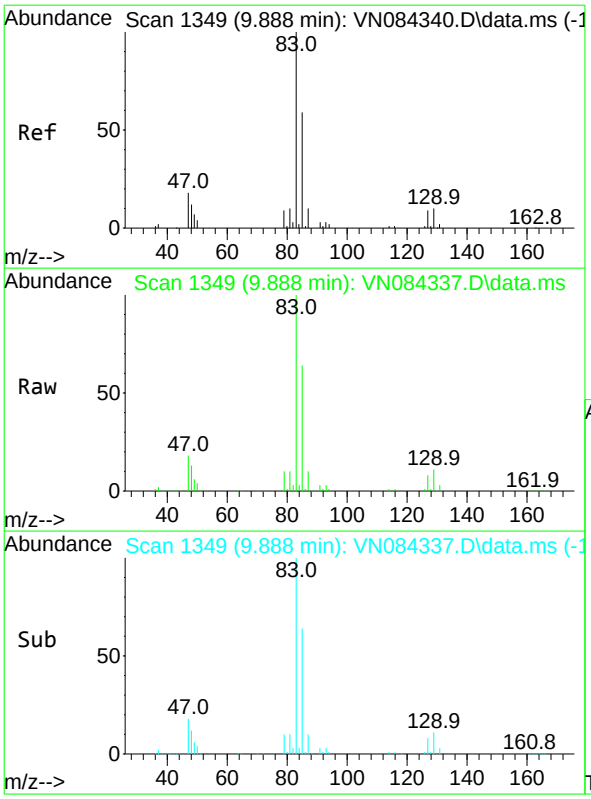


#40
Dibromomethane
Concen: 152.917 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 93 Resp: 243118

Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	171.4
174	91.2	0.0	183.0

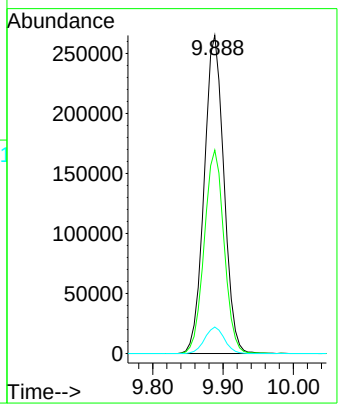




#41
Bromodichloromethane
Concen: 152.872 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 83 Resp: 515968

Ion	Ratio	Lower	Upper
83	100		
85	63.9	47.1	70.7
127	8.3	7.1	10.7



Instrument :
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ClientSampleId :
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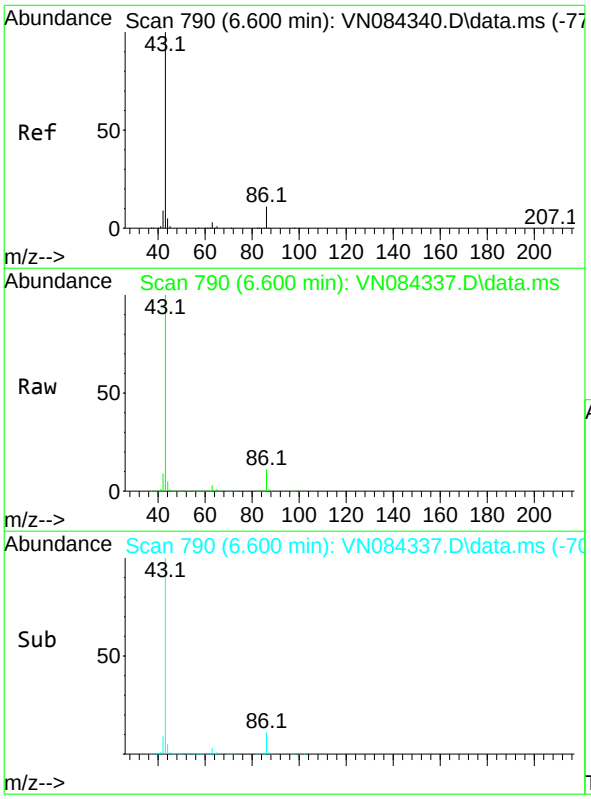
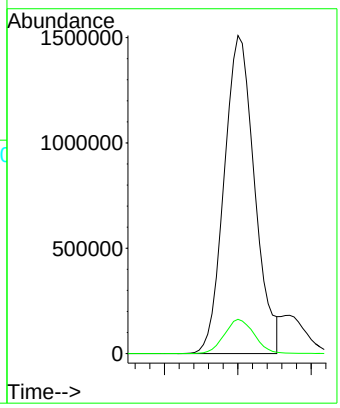
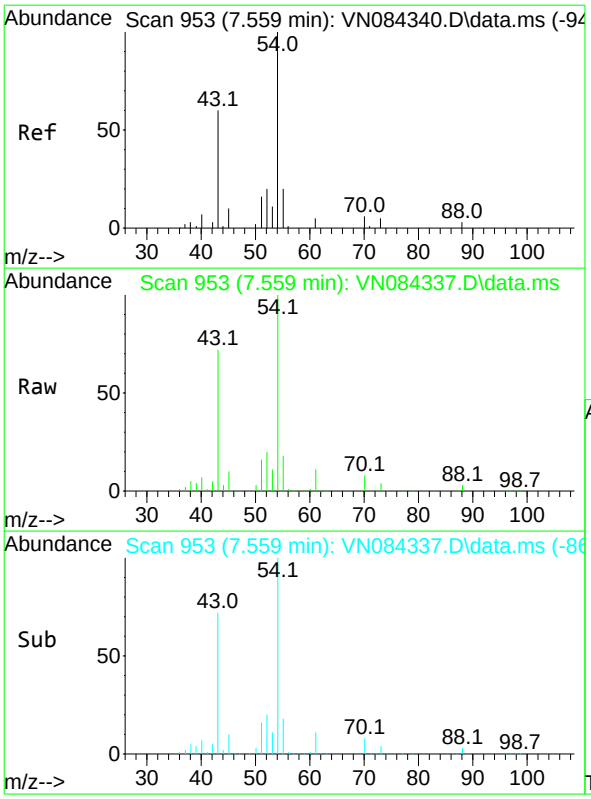


#42
Vinyl Acetate
Concen: 789.646 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 4357419

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

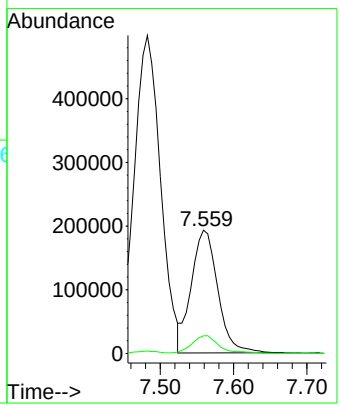




#43
Ethyl Acetate
Concen: 154.753 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 484255

Ion	Ratio	Lower	Upper
43	100		
45	13.2	10.6	16.0



Instrument :
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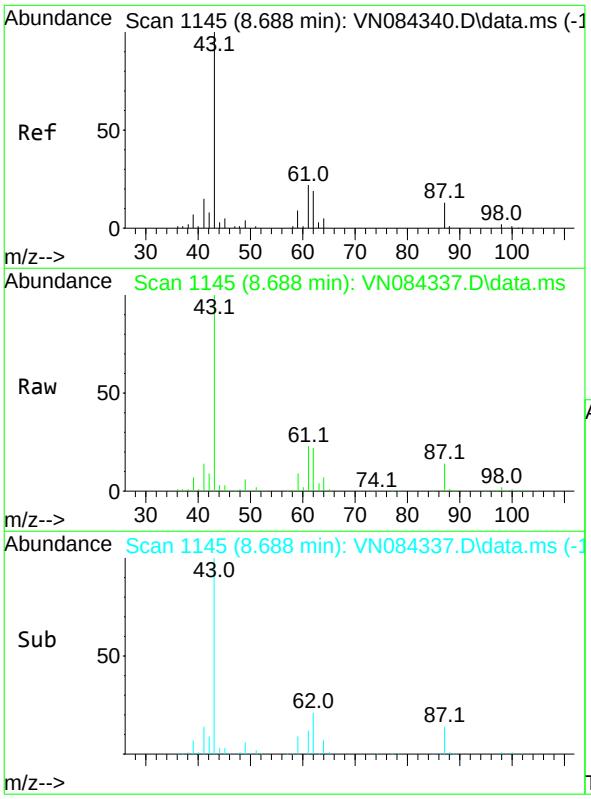
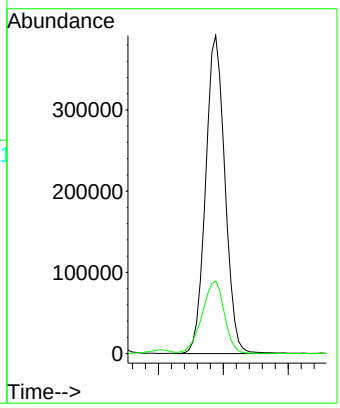
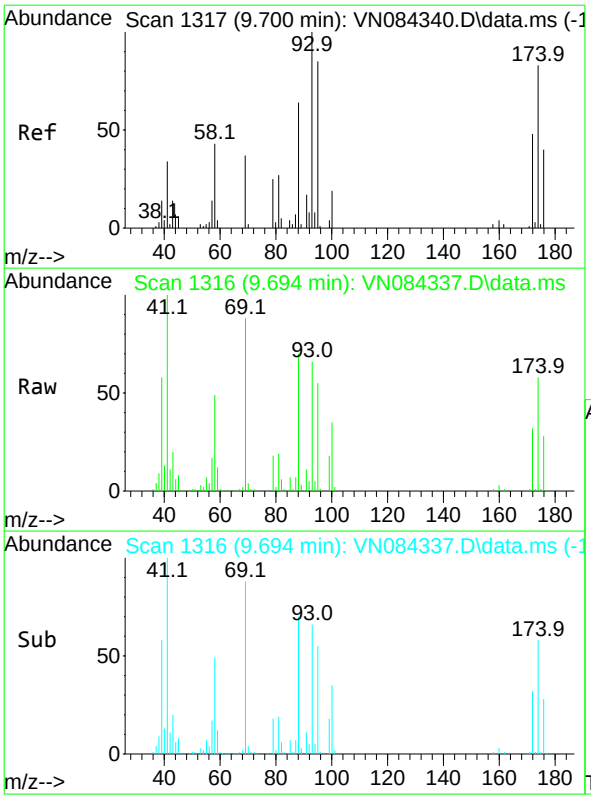


#44
Isopropyl Acetate
Concen: 157.943 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 808933

Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.4	32.2

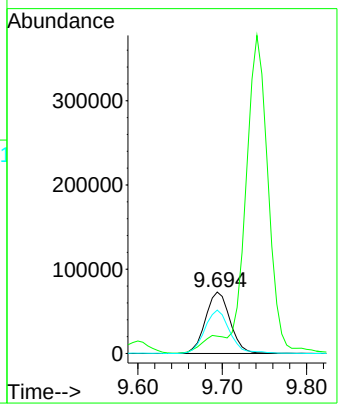




#45
1,4-Dioxane
Concen: 3200.393 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 88 Resp: 147762

Ion	Ratio	Lower	Upper
88	100		
43	29.1	22.4	33.6
58	72.4	59.7	89.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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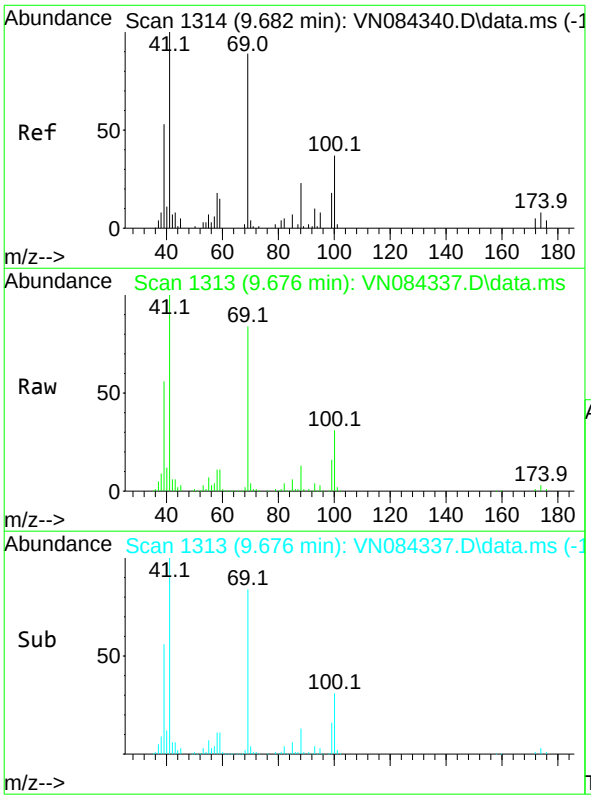
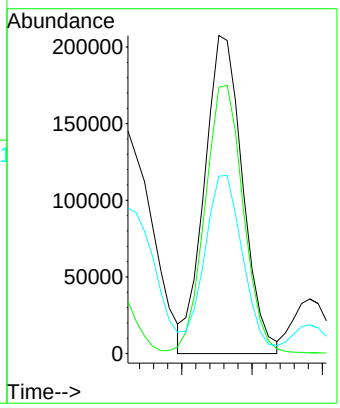
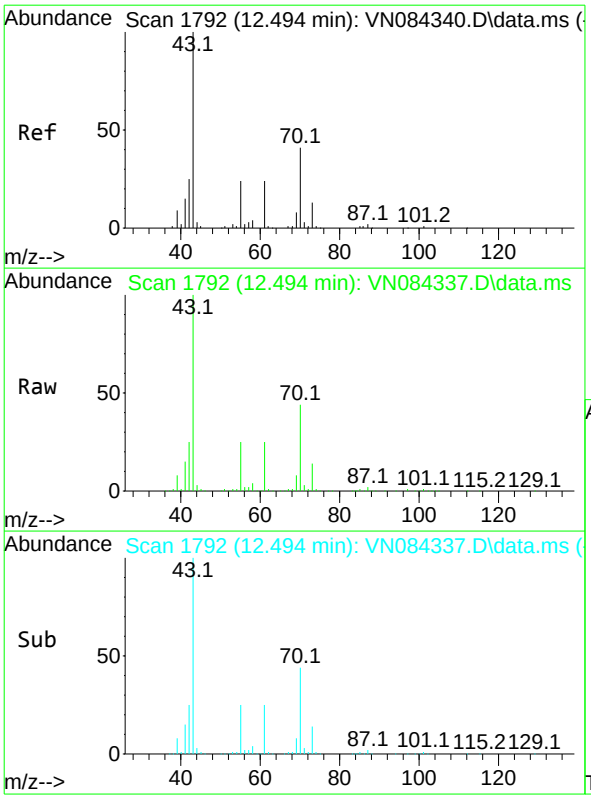


#46
Methyl methacrylate
Concen: 158.224 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 41 Resp: 391545

Ion	Ratio	Lower	Upper
41	100		
69	85.4	42.6	128.0
39	55.3	27.5	82.4

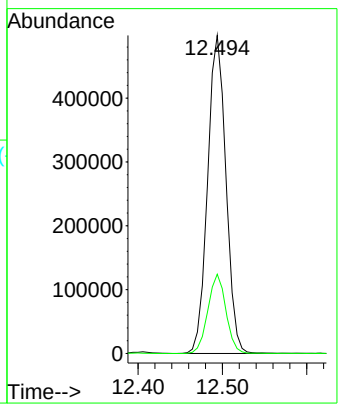




#47
n-amyl Acetate
Concen: 165.124 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 752246

Ion	Ratio	Lower	Upper
43	100		
55	24.5	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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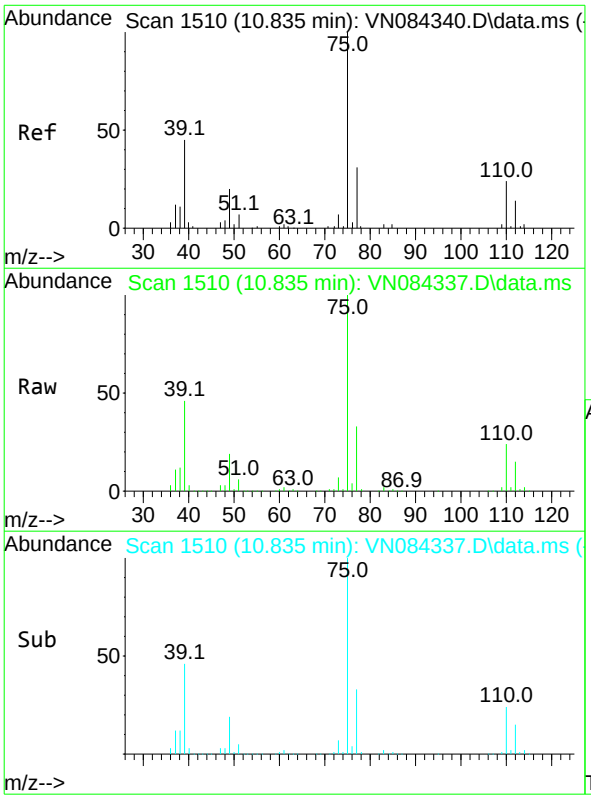
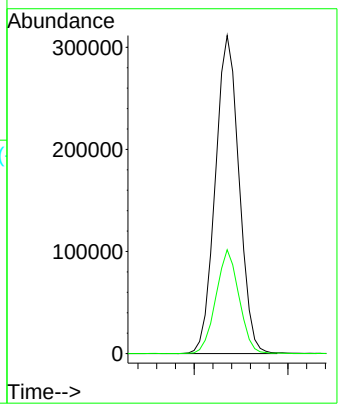
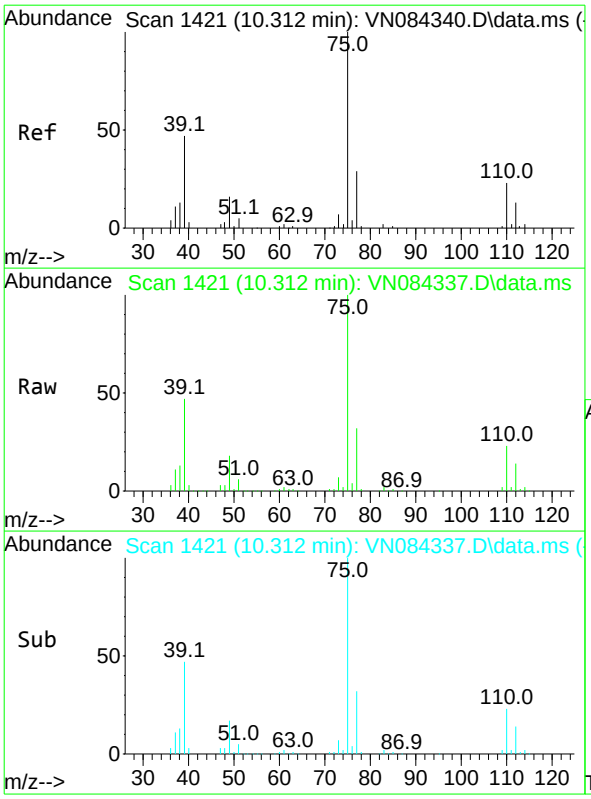


#48
t-1,3-Dichloropropene
Concen: 156.926 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 547316

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	37.0

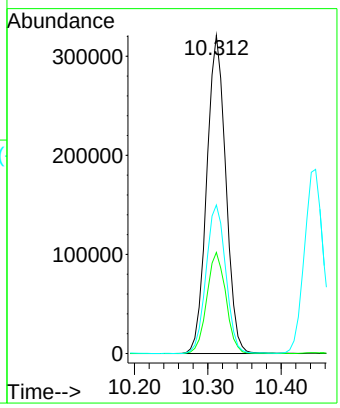




#49
cis-1,3-Dichloropropene
Concen: 158.273 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 578523

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.9	34.3
39	46.6	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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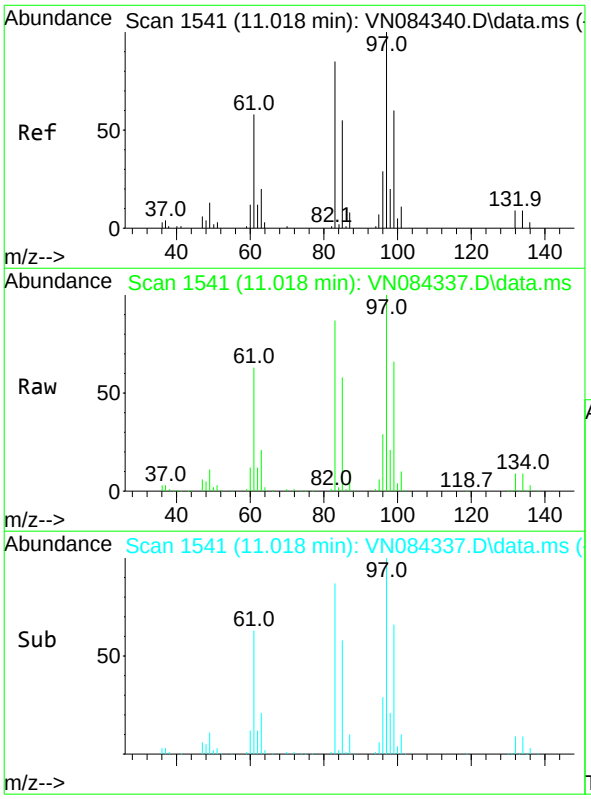
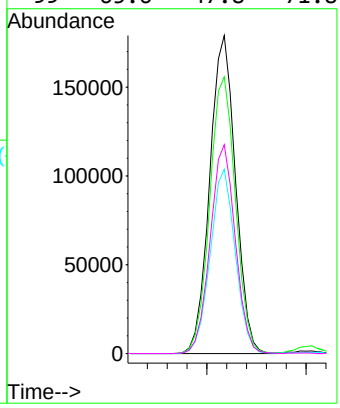
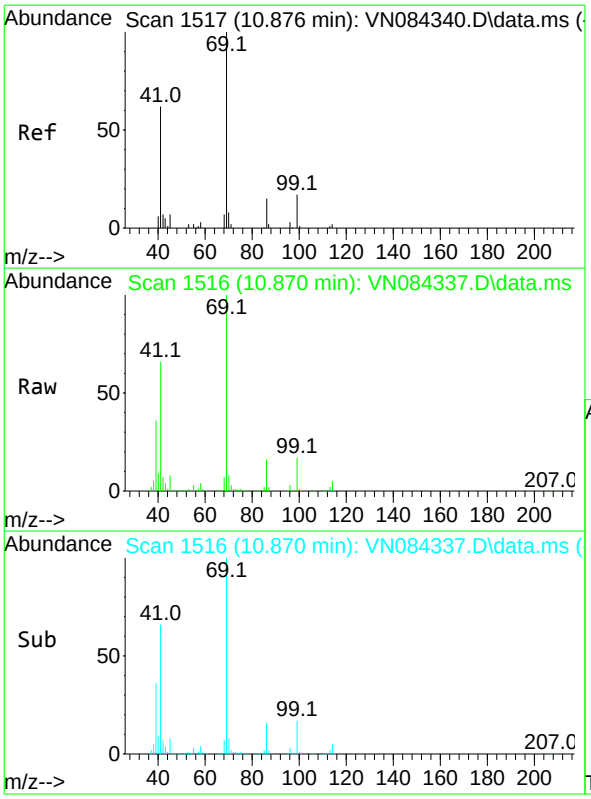


#50
1,1,2-Trichloroethane
Concen: 151.179 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 97 Resp: 323065

Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.8	101.8
85	58.0	44.2	66.2
99	65.6	47.8	71.8

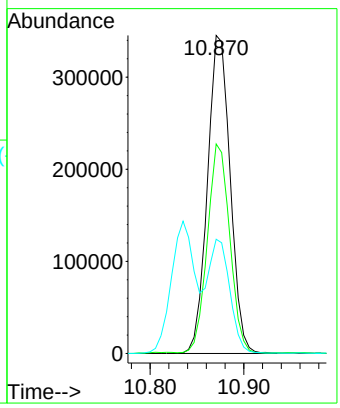




#51
Ethyl methacrylate
Concen: 164.863 ug/l
RT: 10.870 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 69 Resp: 581930

Ion	Ratio	Lower	Upper
69	100		
41	65.7	30.9	92.7
39	35.8	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
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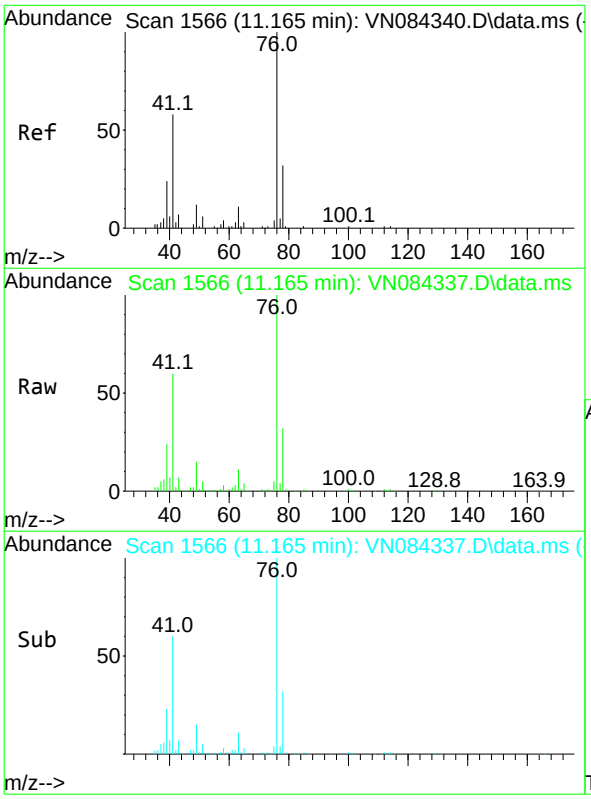
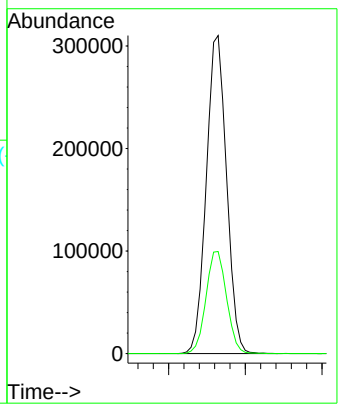
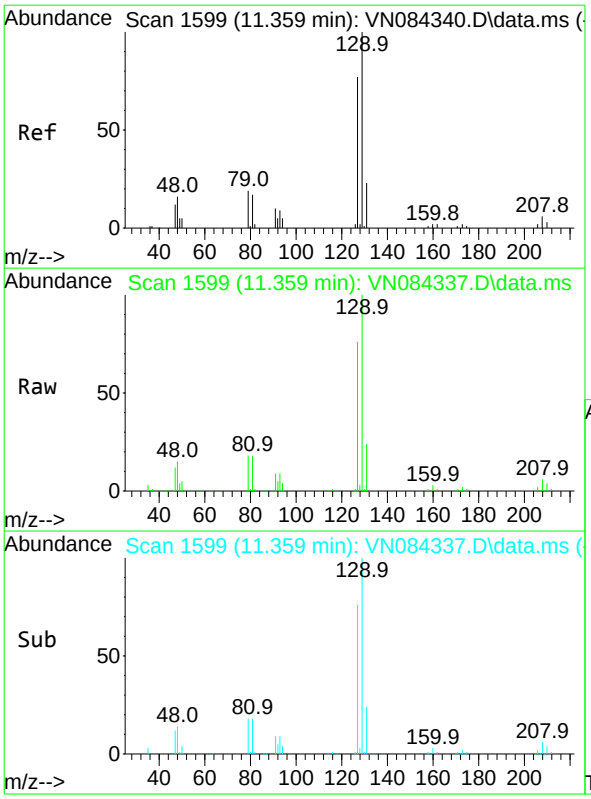


#52
1,3-Dichloropropane
Concen: 152.279 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 76 Resp: 568999

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.2

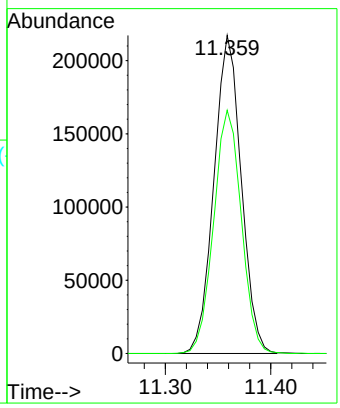




#53
Dibromochloromethane
Concen: 154.875 ug/l
RT: 11.359 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:129 Resp: 390970

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
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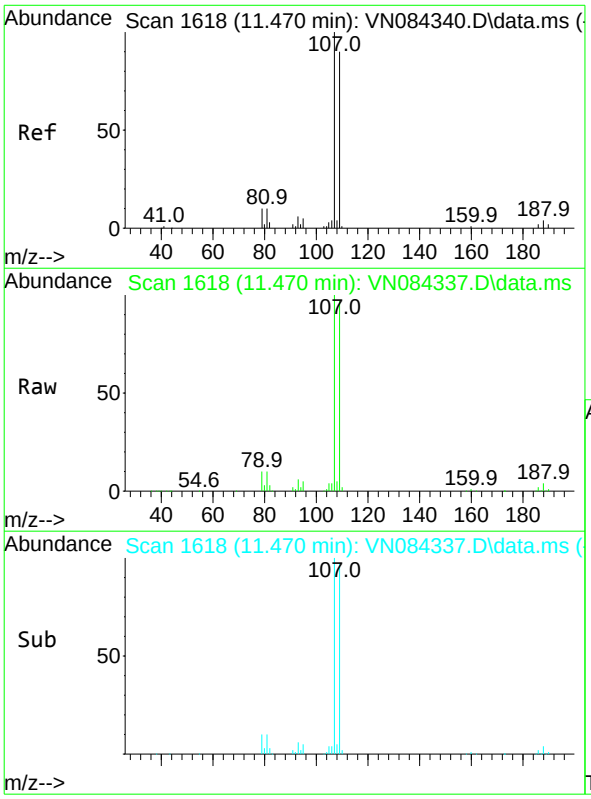
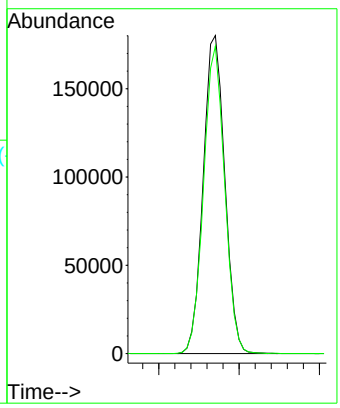
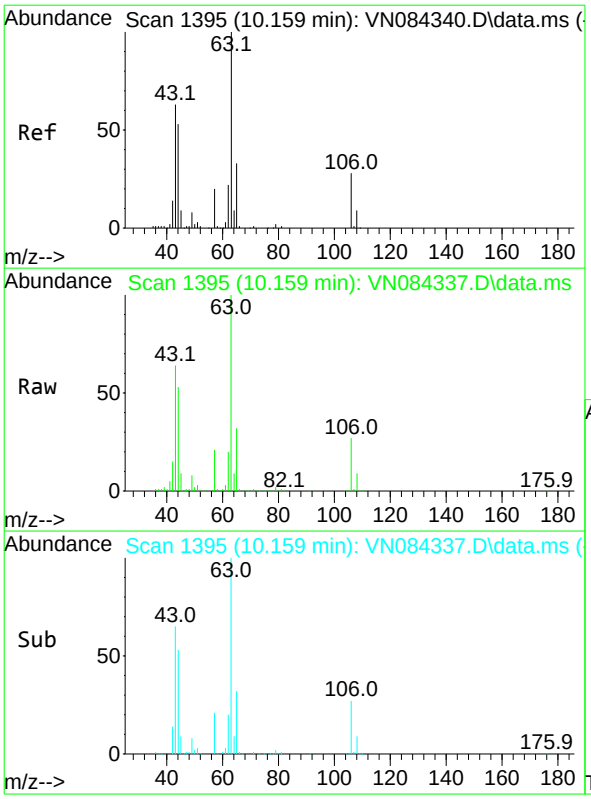


#54
1,2-Dibromoethane
Concen: 153.033 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:107 Resp: 336624

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.6





#55
2-Chloroethyl vinyl ether
Concen: 833.093 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 63 Resp: 1333727

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	28.0	21.6	32.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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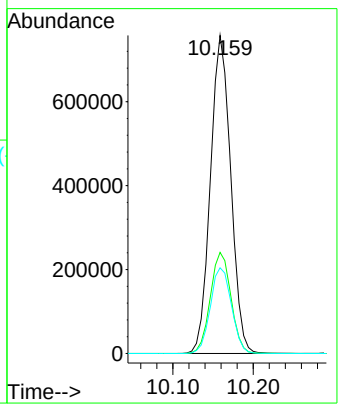
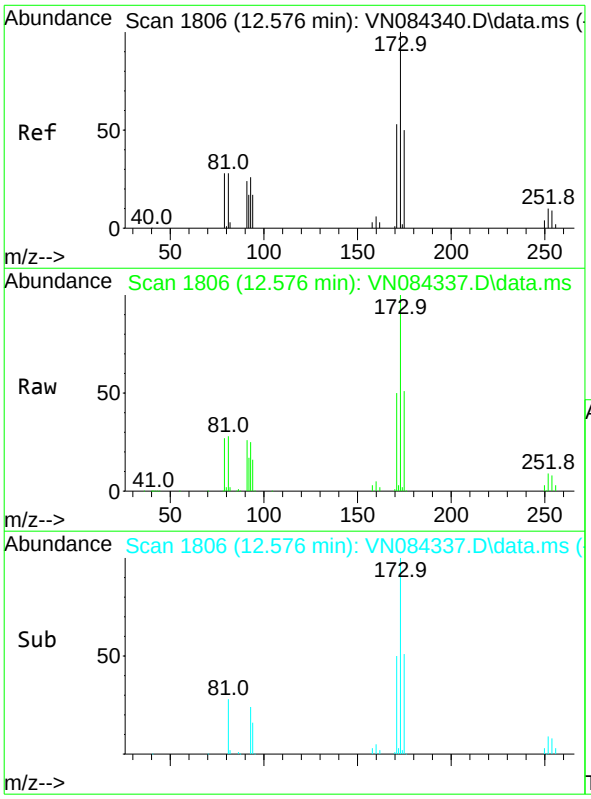
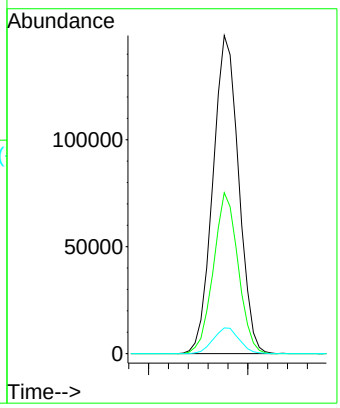


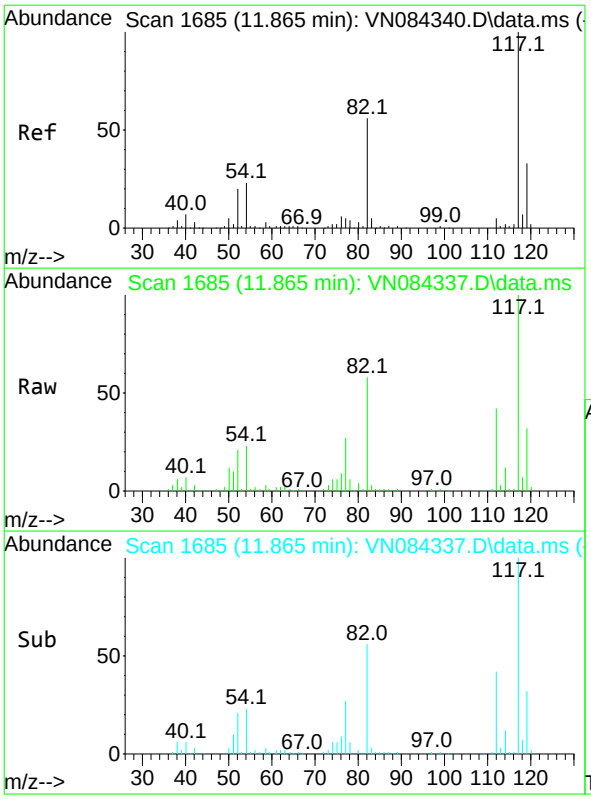


#56
Bromoform
Concen: 160.094 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:173 Resp: 268044

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.2
254	8.1	6.8	10.2

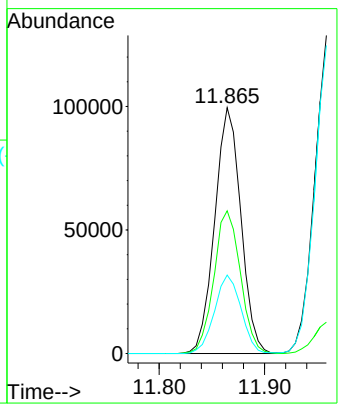




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:117 Resp: 171821

Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.2	69.4
119	32.4	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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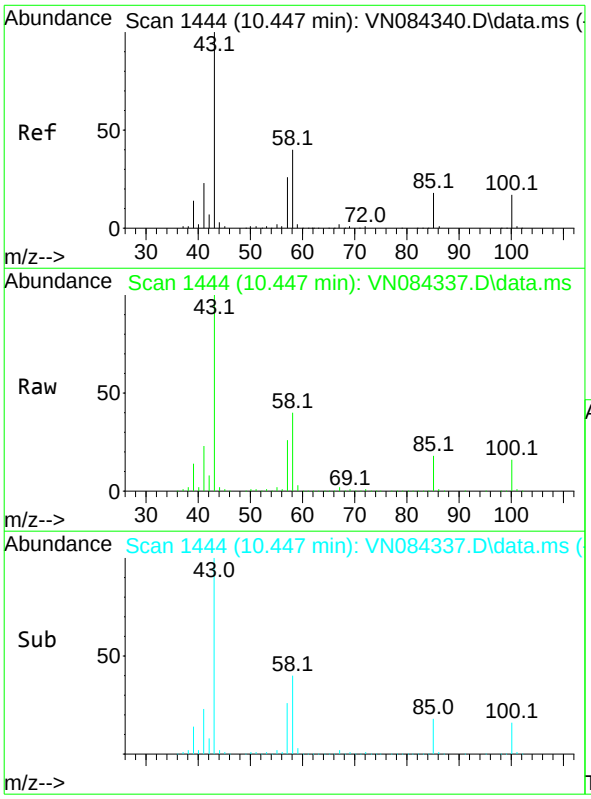
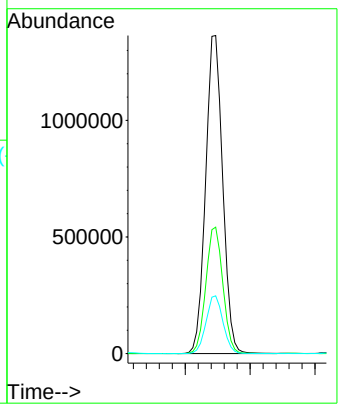
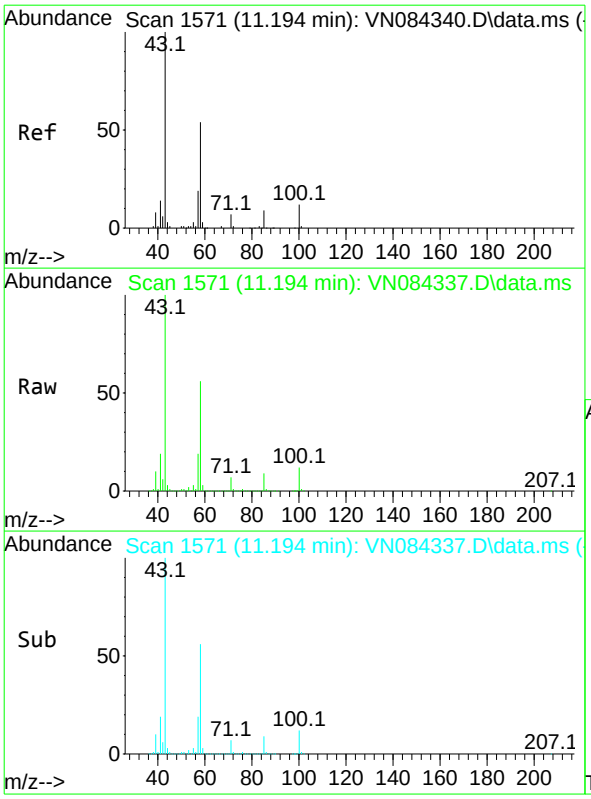


#58
4-Methyl-2-Pentanone
Concen: 778.311 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 2491181

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9
85	18.0	14.6	22.0





#59
2-Hexanone
Concen: 795.133 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 1891152

Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.0	66.0
57	19.3	15.4	23.2

Instrument :
MSVOA_N
ClientSampleId :
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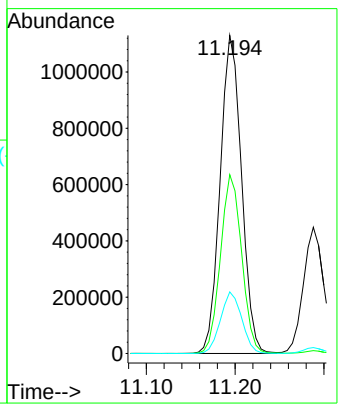
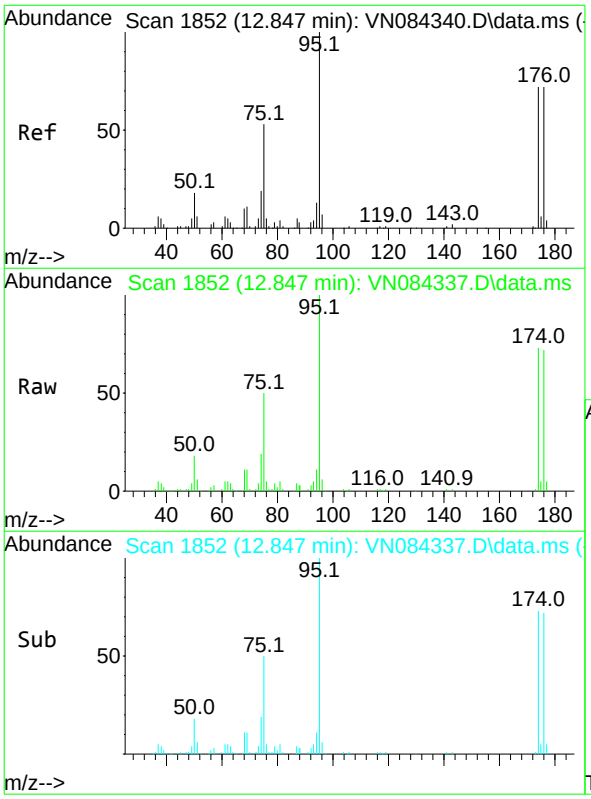
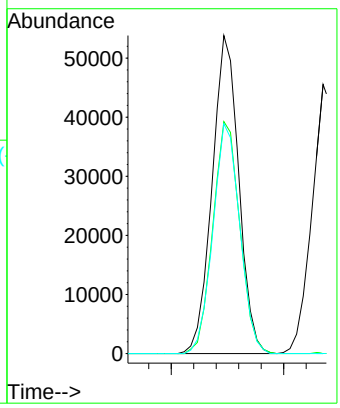


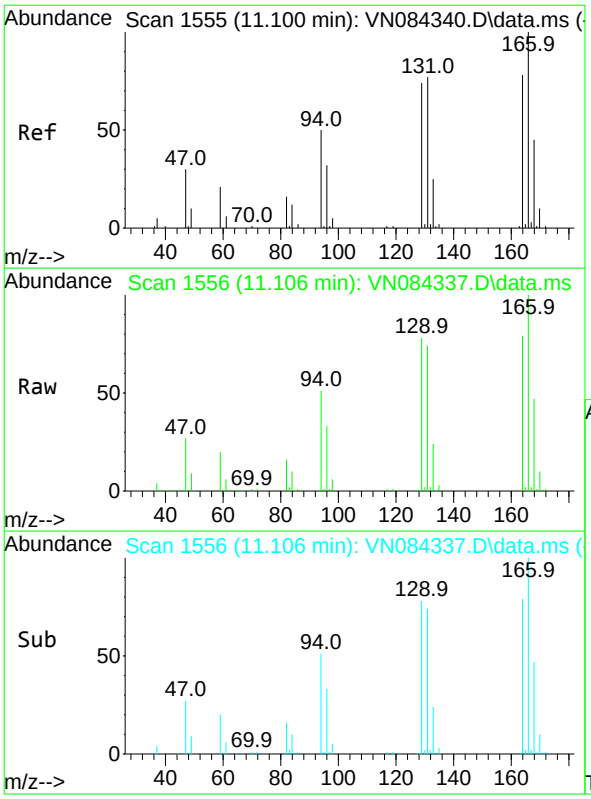


#60
4-Bromofluorobenzene
Concen: 31.155 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 95 Resp: 88349

Ion	Ratio	Lower	Upper
95	100		
174	73.9	58.2	87.2
176	72.8	56.4	84.6

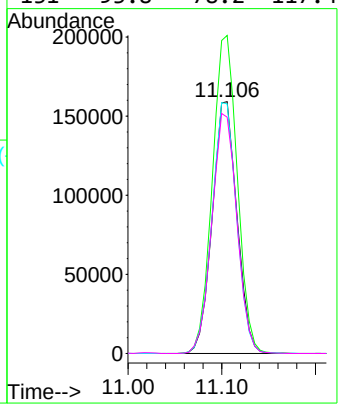




#61
Tetrachloroethene
Concen: 149.507 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:164 Resp: 290573

Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.5	153.7
129	99.1	75.7	113.5
131	93.8	78.2	117.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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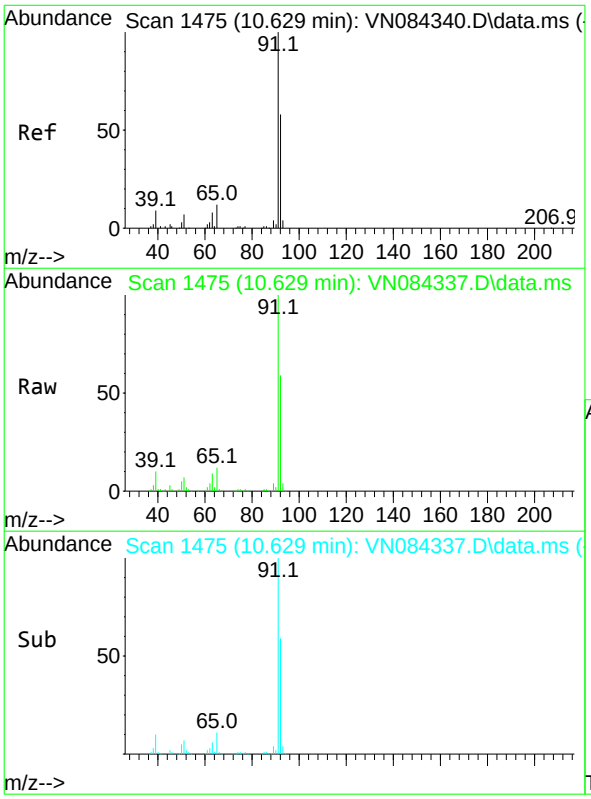
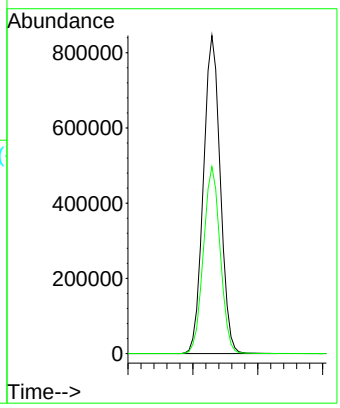
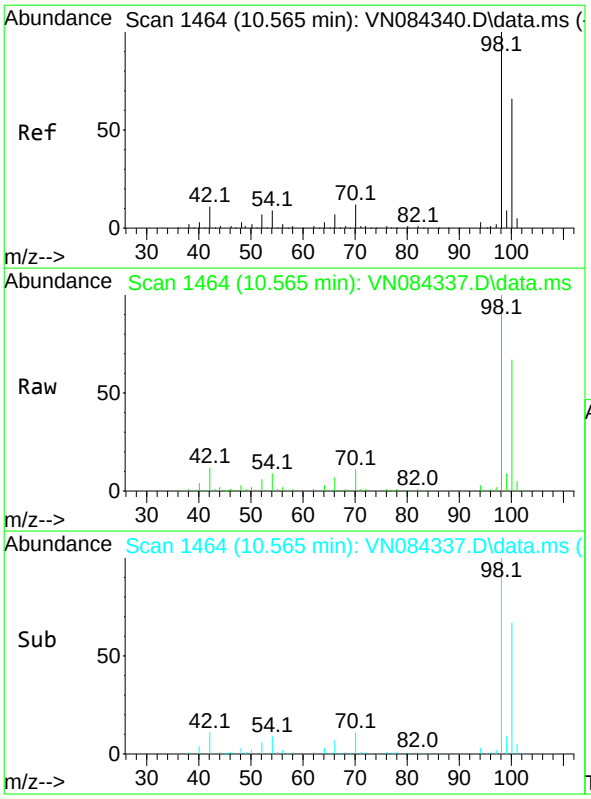


#62
Toluene
Concen: 151.621 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1525116

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.2	70.8

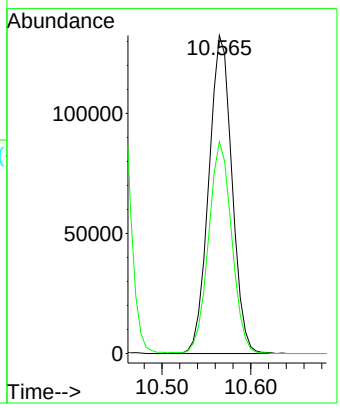




#63
Toluene-d8
Concen: 30.166 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 98 Resp: 240116

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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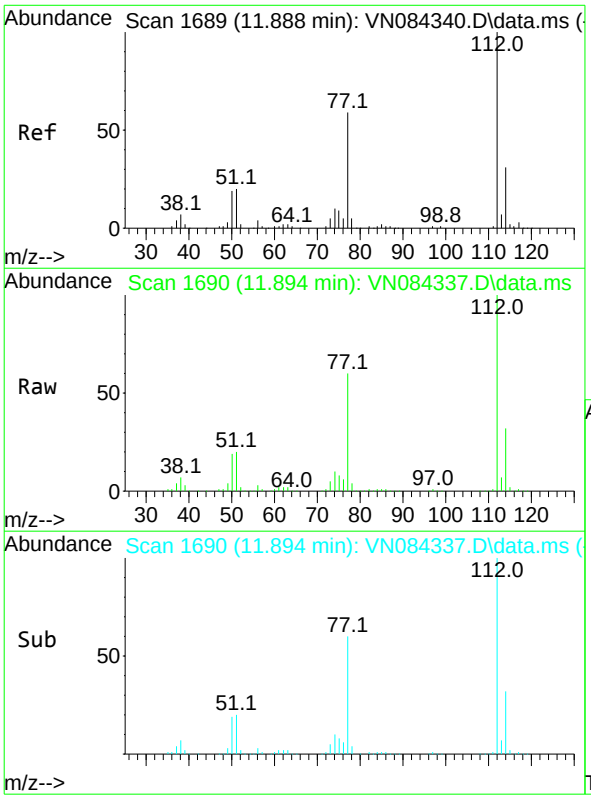
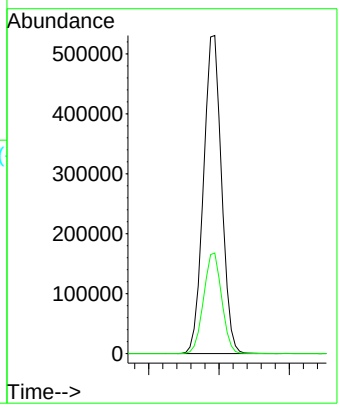
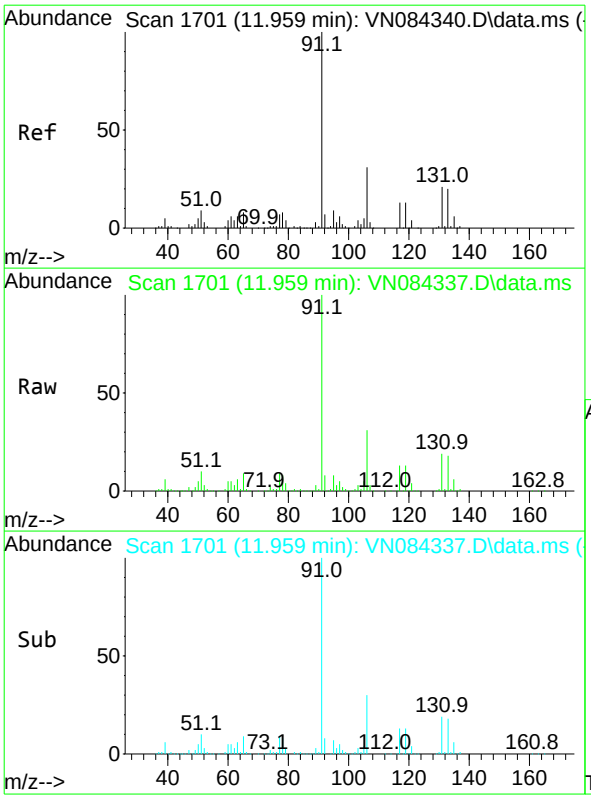


#64
Chlorobenzene
Concen: 151.211 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:112 Resp: 946501

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.1	37.7

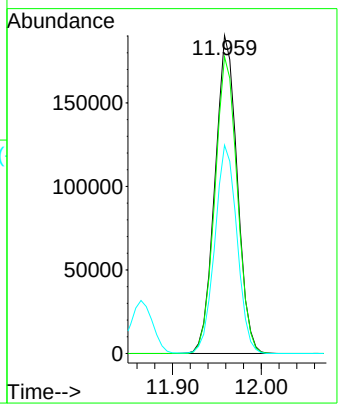




#65
1,1,1,2-Tetrachloroethane
Concen: 152.311 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:131 Resp: 331211

Ion	Ratio	Lower	Upper
131	100		
133	94.0	0.0	190.4
119	65.5	0.0	130.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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Reviewed By :John Carlone 10/09/2024
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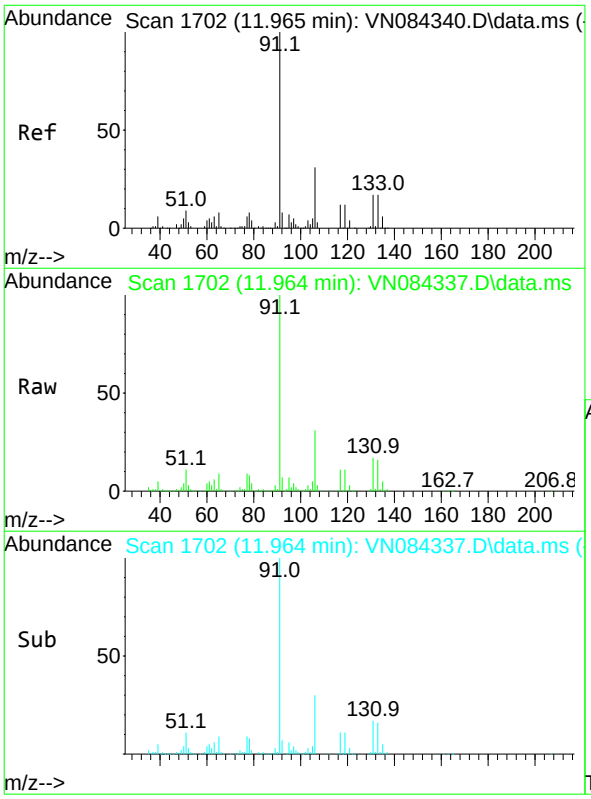
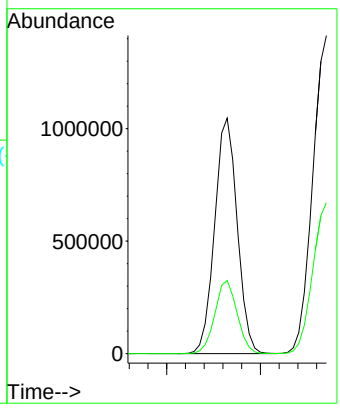
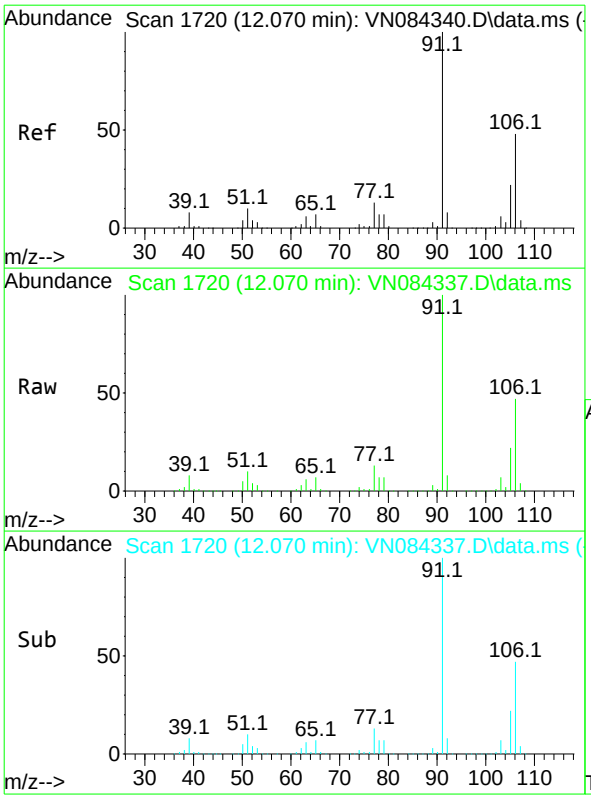


#66
Ethyl Benzene
Concen: 160.094 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1749567

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.2	37.8

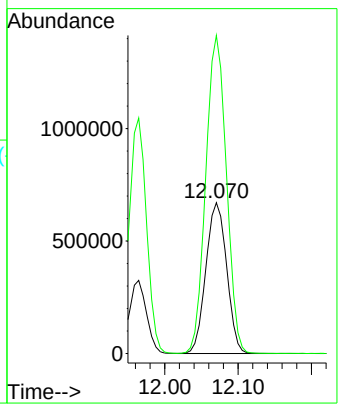




#67
m/p-Xylenes
Concen: 318.270 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:106 Resp: 1319448

Ion	Ratio	Lower	Upper
106	100		
91	209.0	166.7	250.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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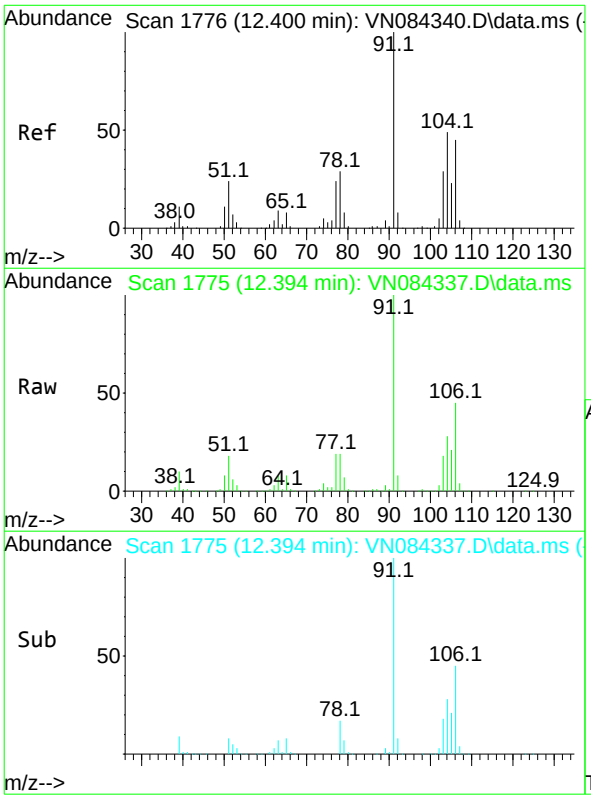
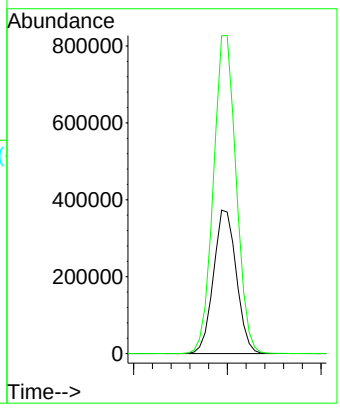
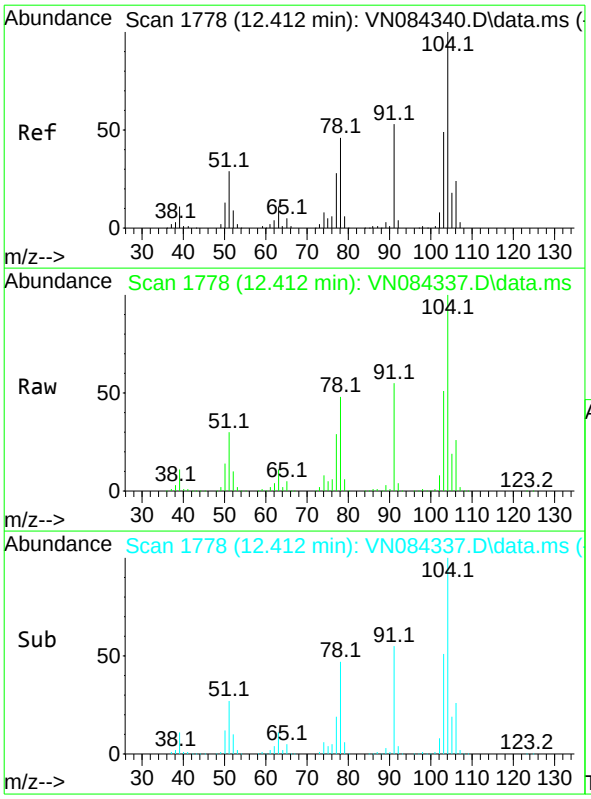


#68
o-Xylene
Concen: 158.611 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:106 Resp: 633813

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.9	332.9

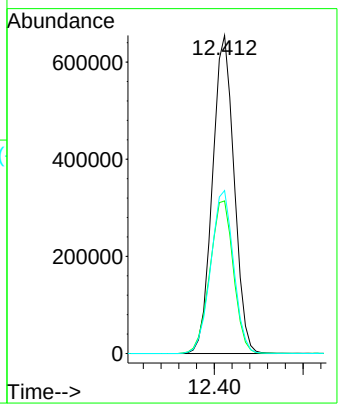




#69
Styrene
Concen: 161.432 ug/l
RT: 12.412 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:104 Resp: 1107376

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.6	62.4
103	54.1	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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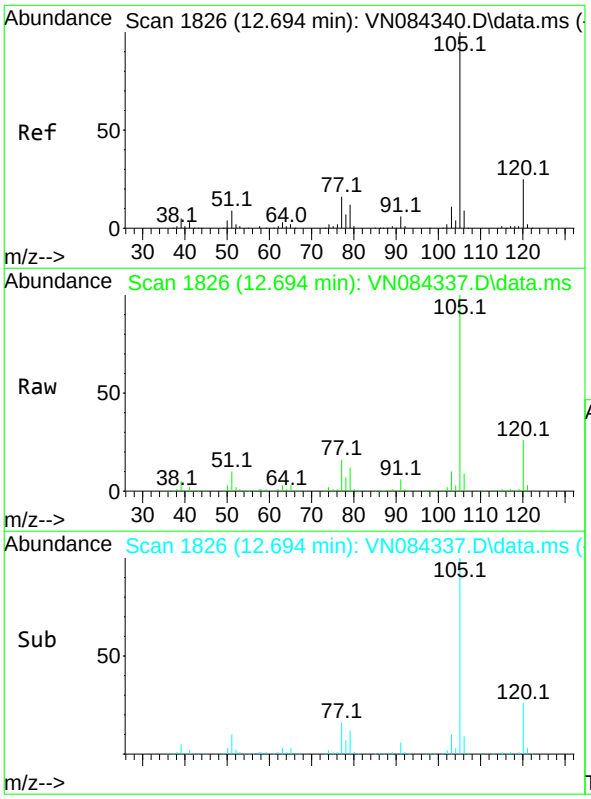
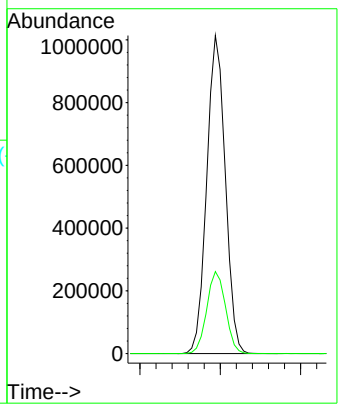
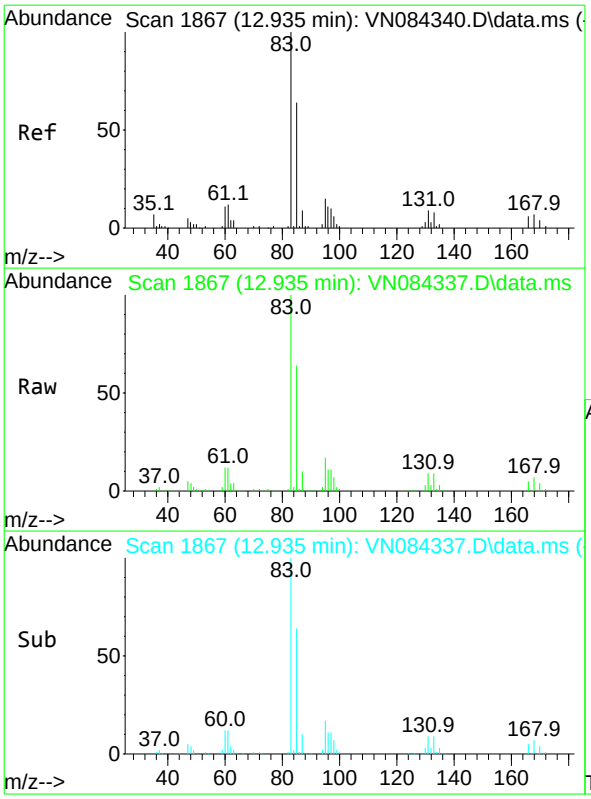


#70
Isopropylbenzene
Concen: 159.320 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1625283

Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.4	32.4

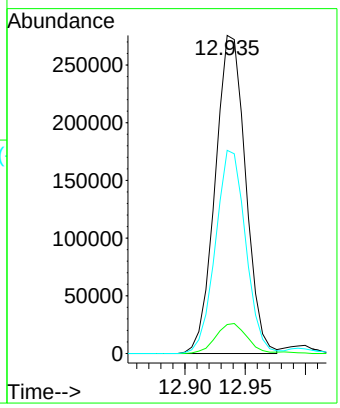




#71
1,1,2,2-Tetrachloroethane
Concen: 153.053 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 83 Resp: 483003

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	63.6	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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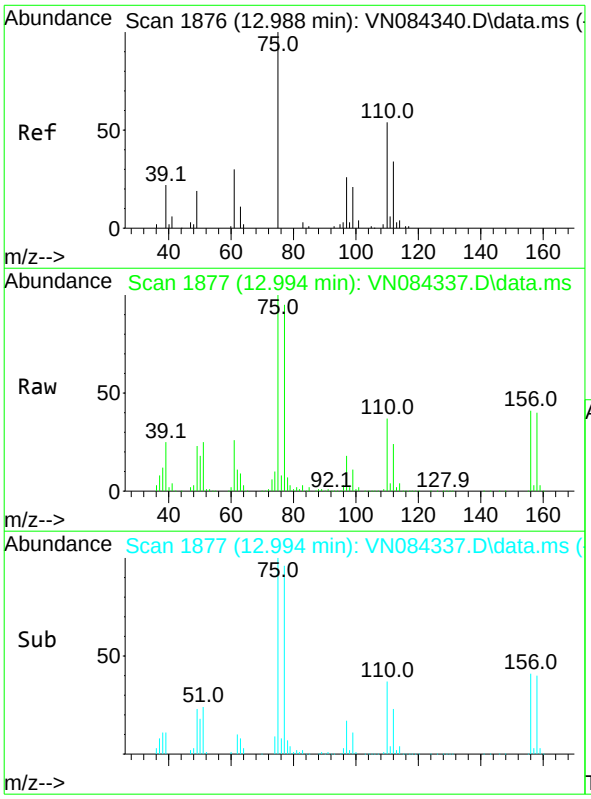
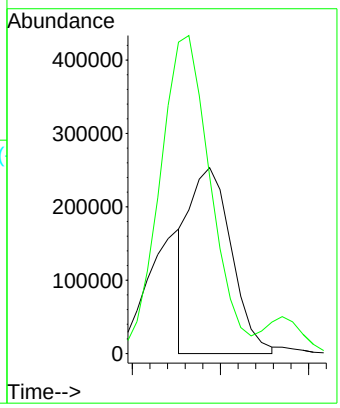
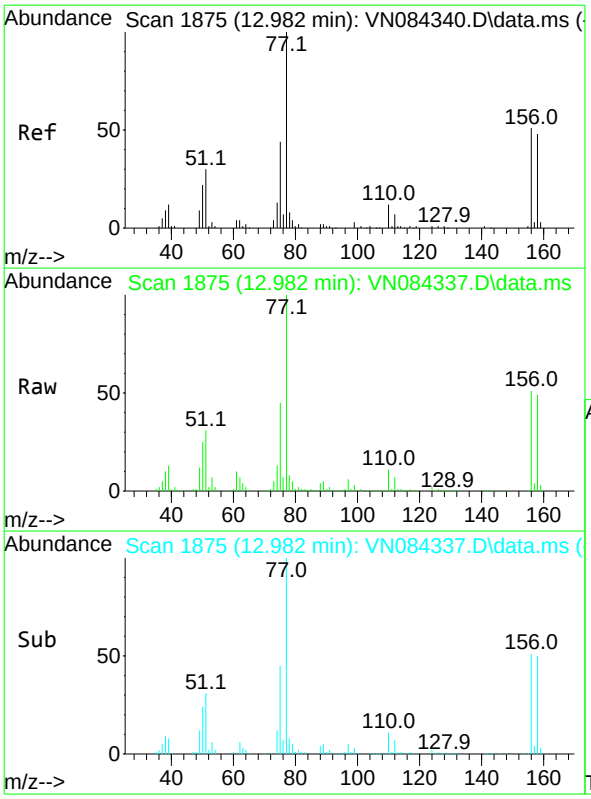


#72
1,2,3-Trichloropropane
Concen: 156.469 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 422311

Ion	Ratio	Lower	Upper
75	100		
77	205.2	0.0	414.0

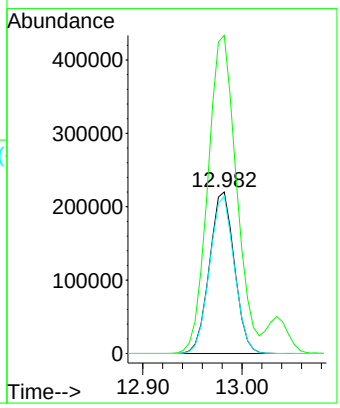




#73
Bromobenzene
Concen: 155.148 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:156 Resp: 383306

Ion	Ratio	Lower	Upper
156	100		
77	226.0	0.0	451.0
158	96.9	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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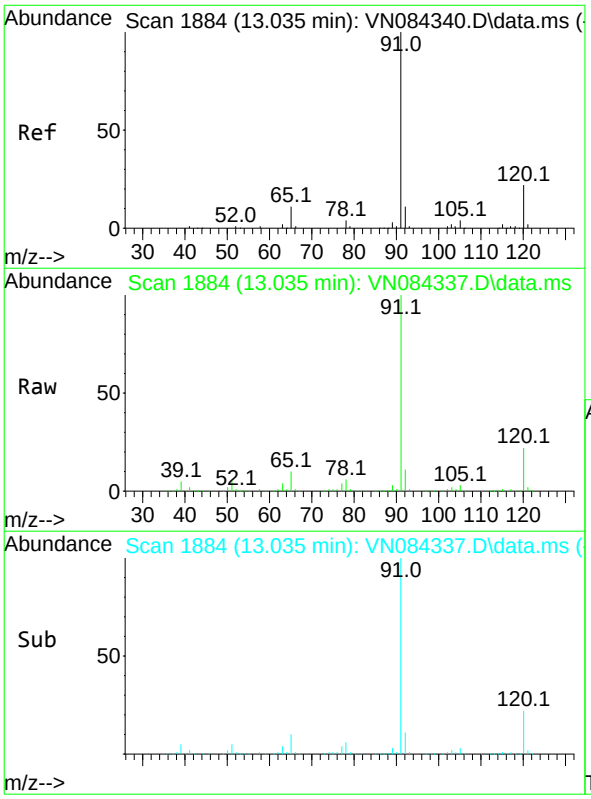
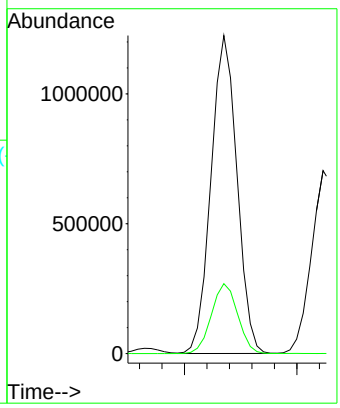
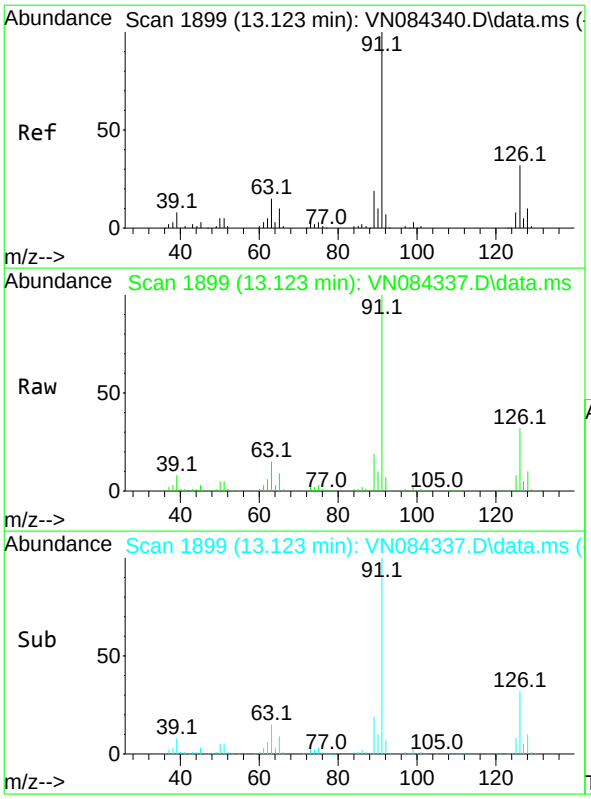


#74
n-propylbenzene
Concen: 161.778 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1966655

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.2

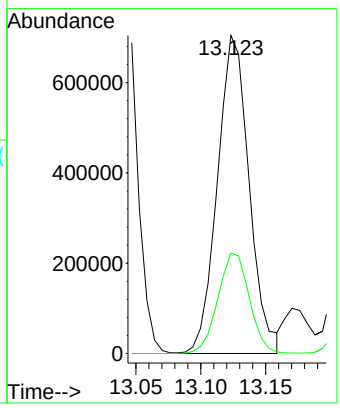




#75
2-Chlorotoluene
Concen: 158.816 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1199693

Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	64.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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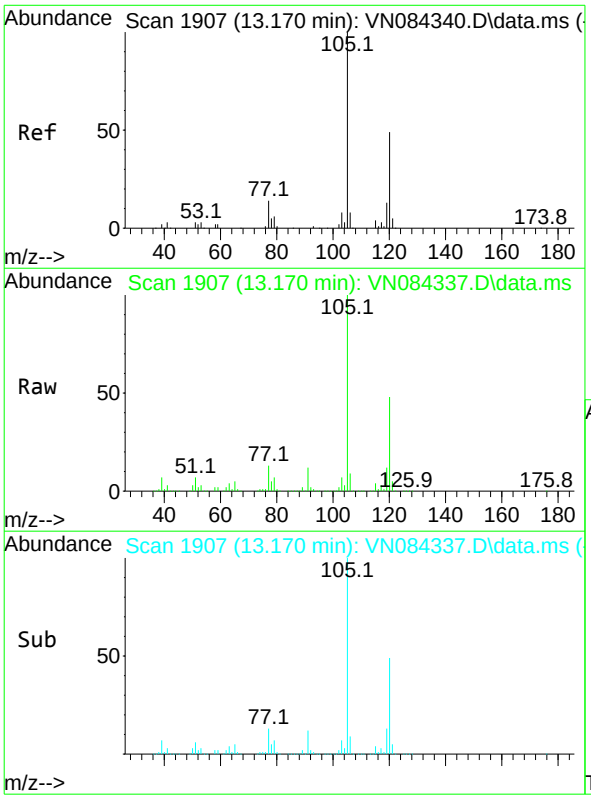
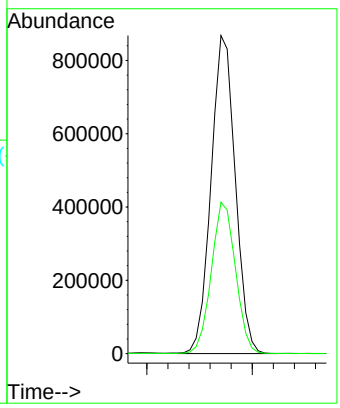
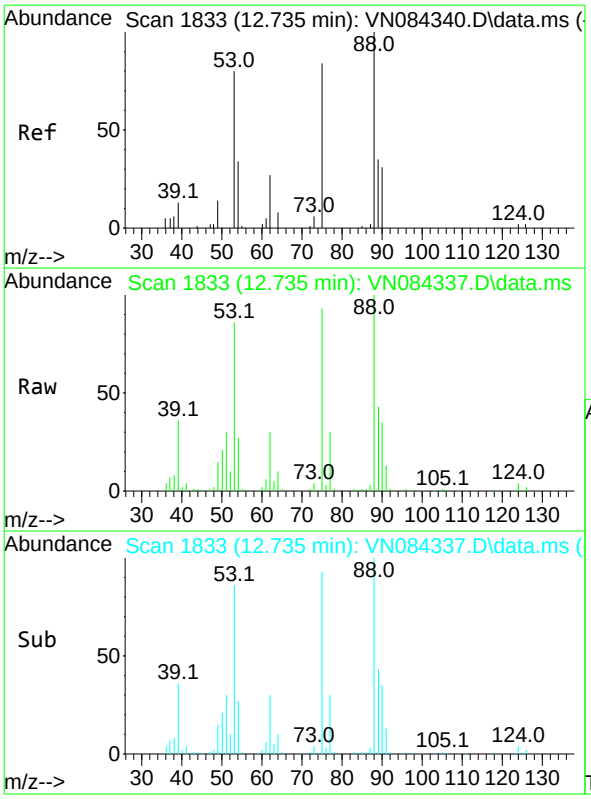


#76
1,3,5-Trimethylbenzene
Concen: 161.447 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1386742

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.4

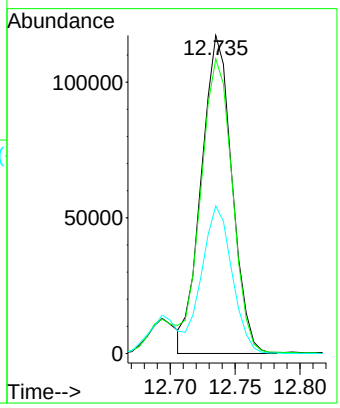




#77
t-1,4-Dichloro-2-butene
Concen: 167.468 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 193413

Ion	Ratio	Lower	Upper
75	100		
53	92.6	47.3	142.0
89	46.4	22.9	68.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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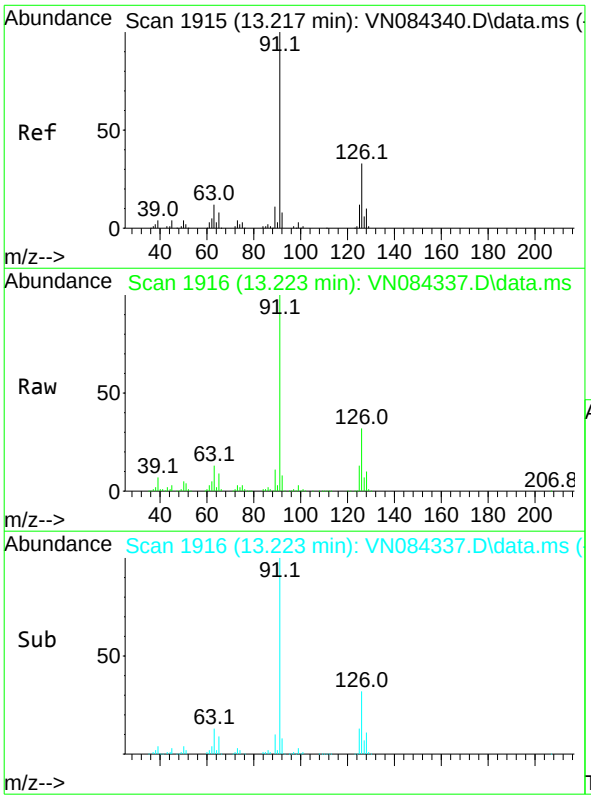
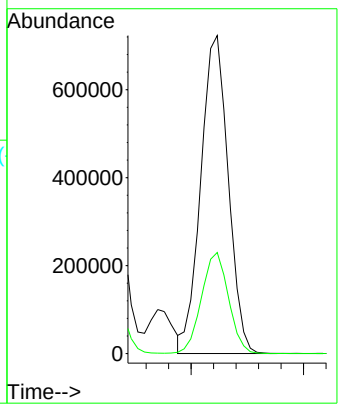
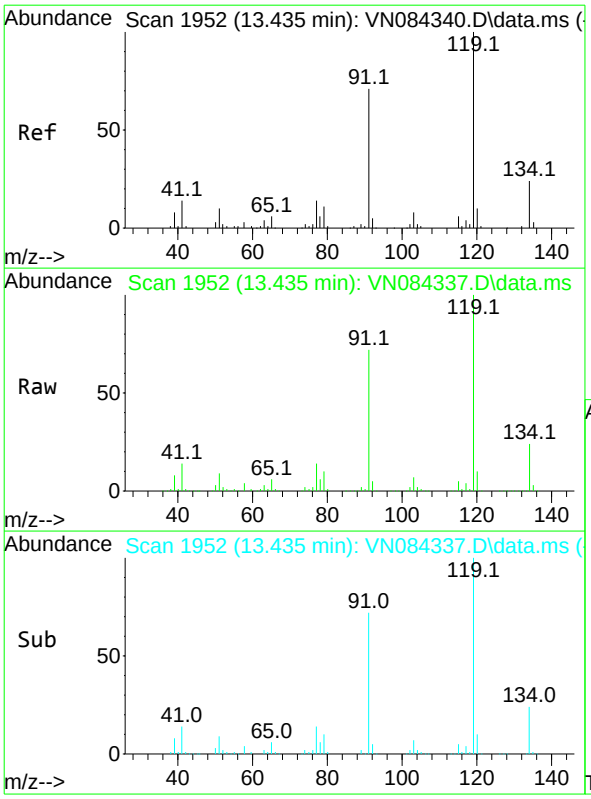


#78
4-Chlorotoluene
Concen: 159.769 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1227049

Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	62.4

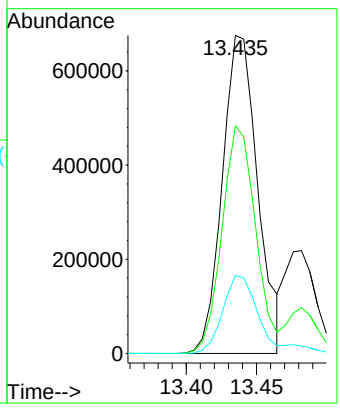




#79
tert-butylbenzene
Concen: 161.368 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:119 Resp: 1182498

Ion	Ratio	Lower	Upper
119	100		
91	67.9	0.0	138.0
134	23.5	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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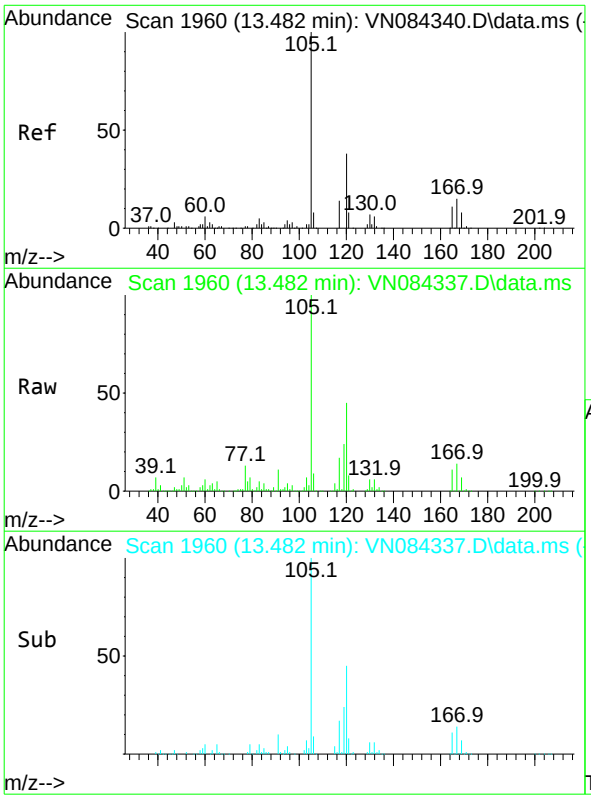
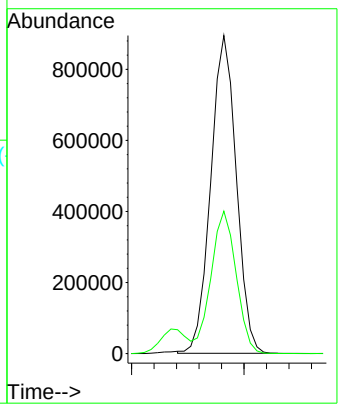
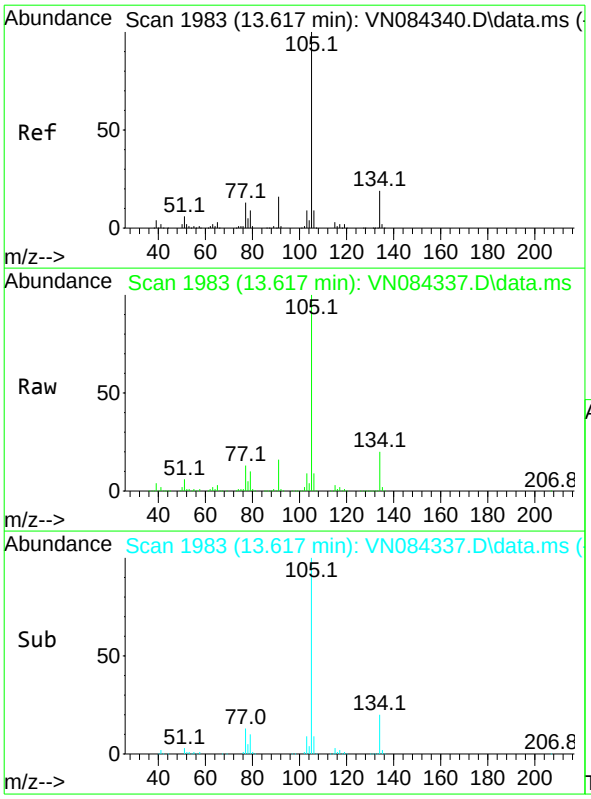


#80
1,2,4-Trimethylbenzene
Concen: 161.849 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1410559

Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	88.8

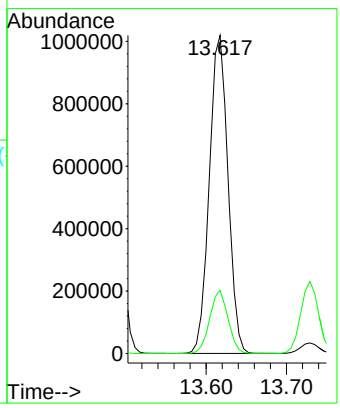




#81
sec-Butylbenzene
Concen: 162.908 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1643555

Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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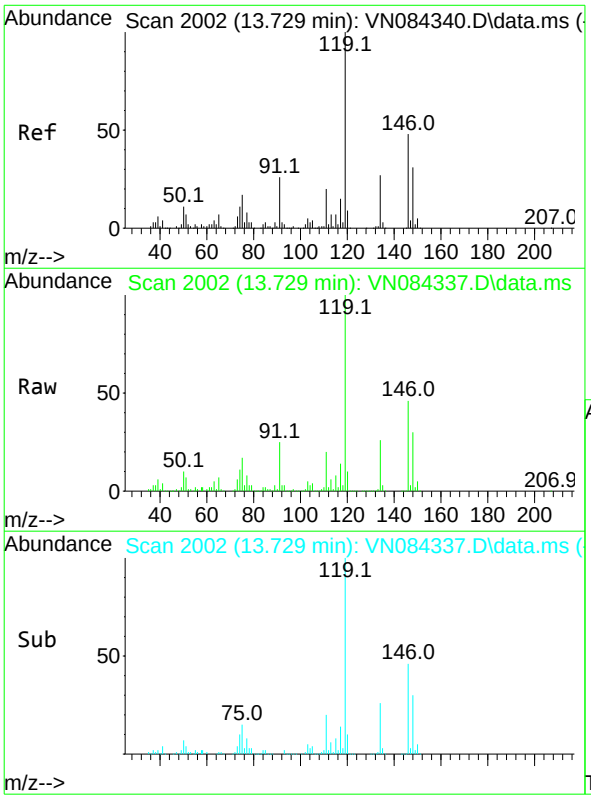
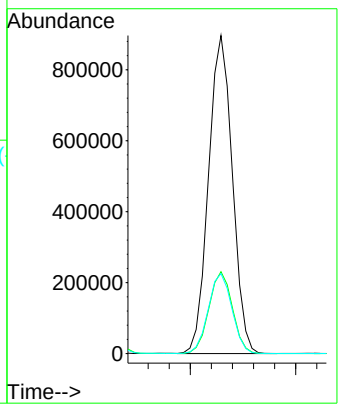
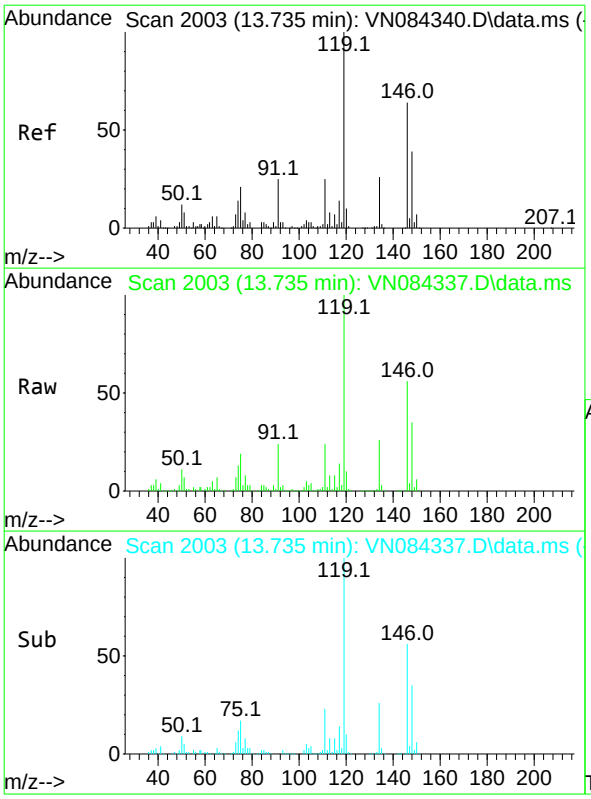


#82
p-Isopropyltoluene
Concen: 165.992 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:119 Resp: 1409541

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	50.2
91	25.0	0.0	50.6

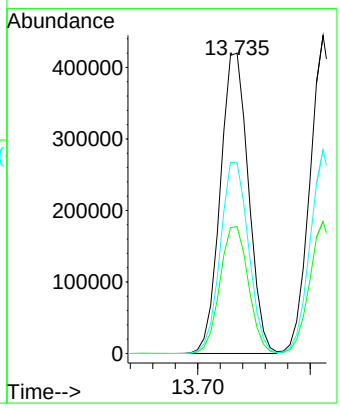




#83
1,3-Dichlorobenzene
Concen: 159.183 ug/l
RT: 13.735 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:146 Resp: 731253

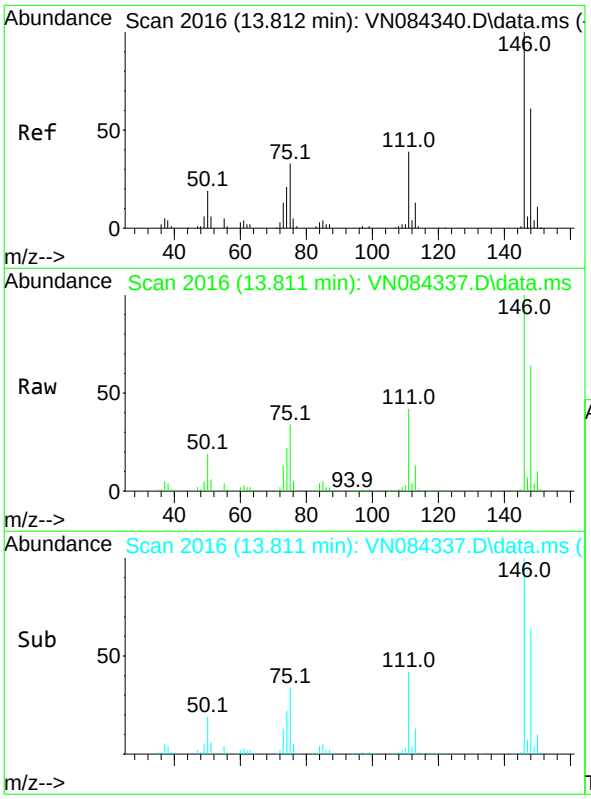
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.6	61.9
148	63.7	31.6	94.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

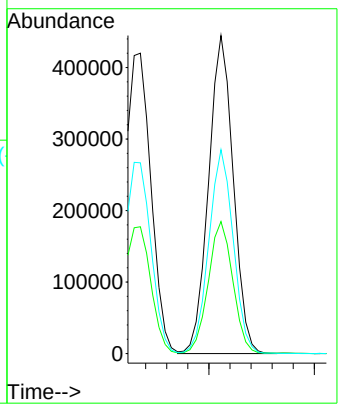
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

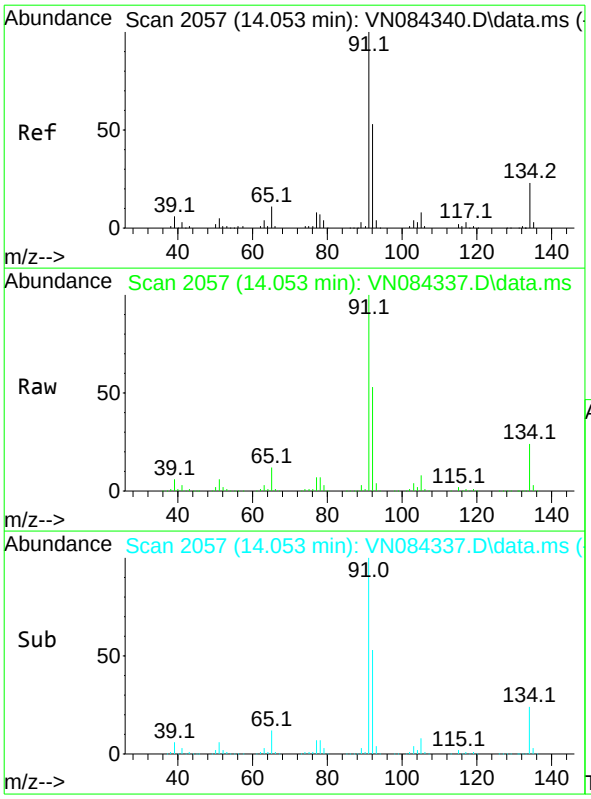


#84
1,4-Dichlorobenzene
Concen: 158.652 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:146 Resp: 723724

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.3	32.5	97.4

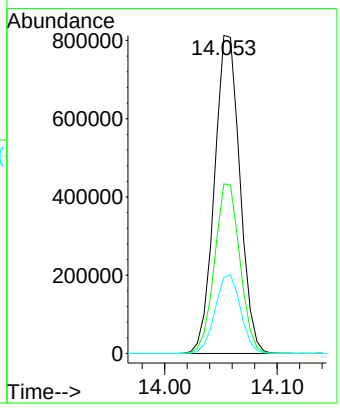




#85
n-Butylbenzene
Concen: 173.335 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1274832

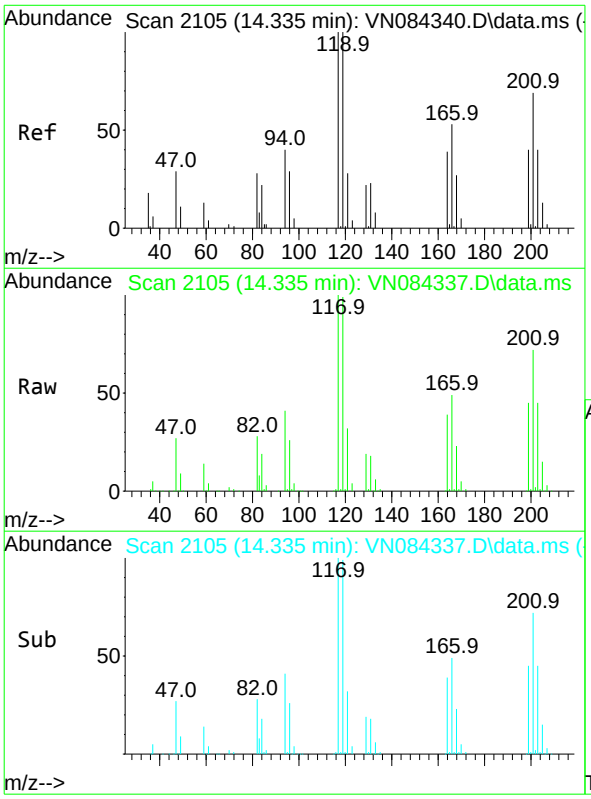
Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	103.4
134	24.8	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

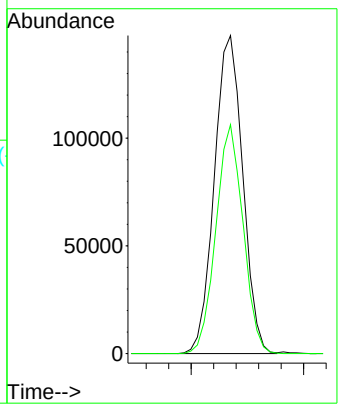
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

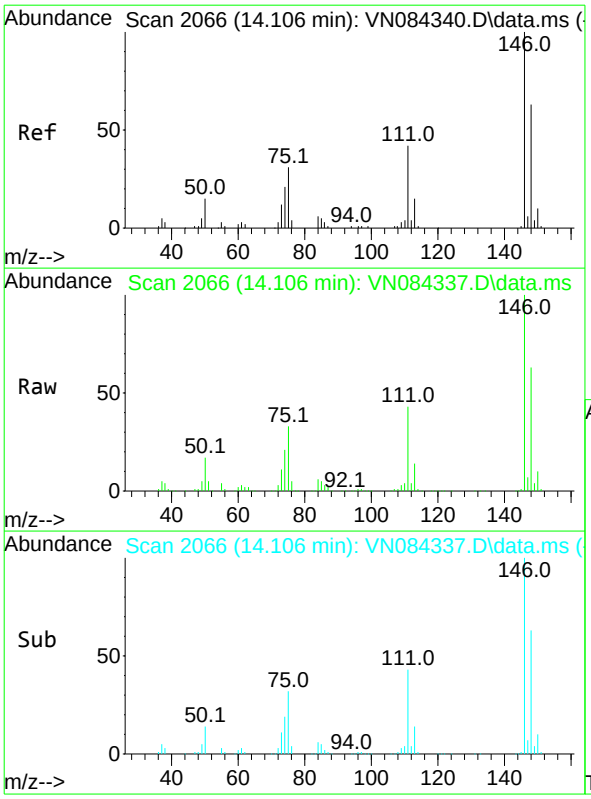


#86
Hexachloroethane
Concen: 158.553 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:117 Resp: 259393

Ion	Ratio	Lower	Upper
117	100		
201	68.7	33.9	101.6

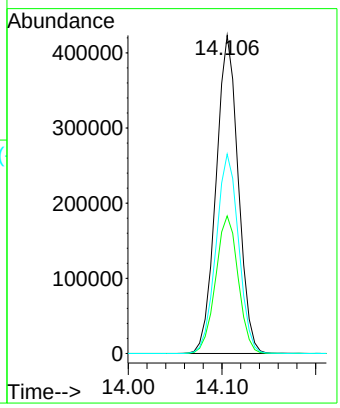




#87
1,2-Dichlorobenzene
Concen: 156.847 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:146 Resp: 696639

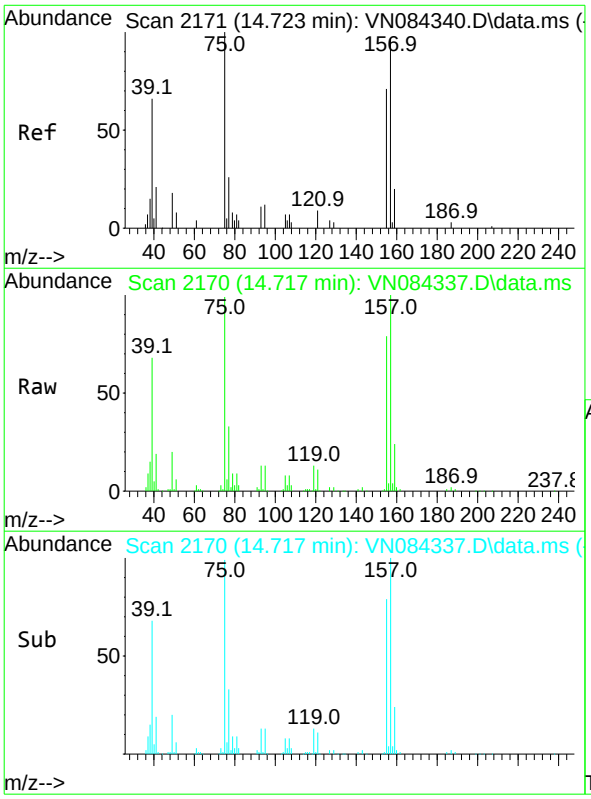
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.5
148	63.8	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

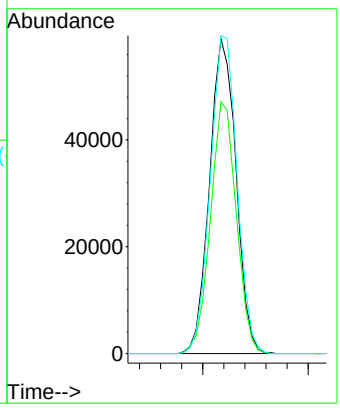
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

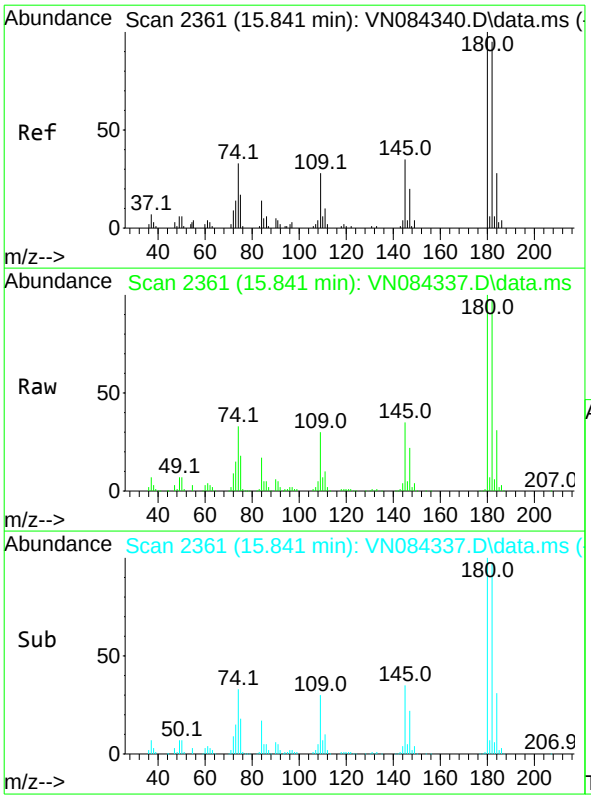


#88
1,2-Dibromo-3-Chloropropane
Concen: 159.510 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 102940

Ion	Ratio	Lower	Upper
75	100		
155	78.1	61.8	92.8
157	101.7	77.4	116.0

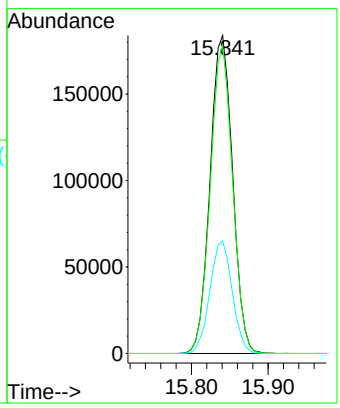




#89
1,2,4-Trichlorobenzene
Concen: 162.329 ug/l
RT: 15.841 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:180 Resp: 374861

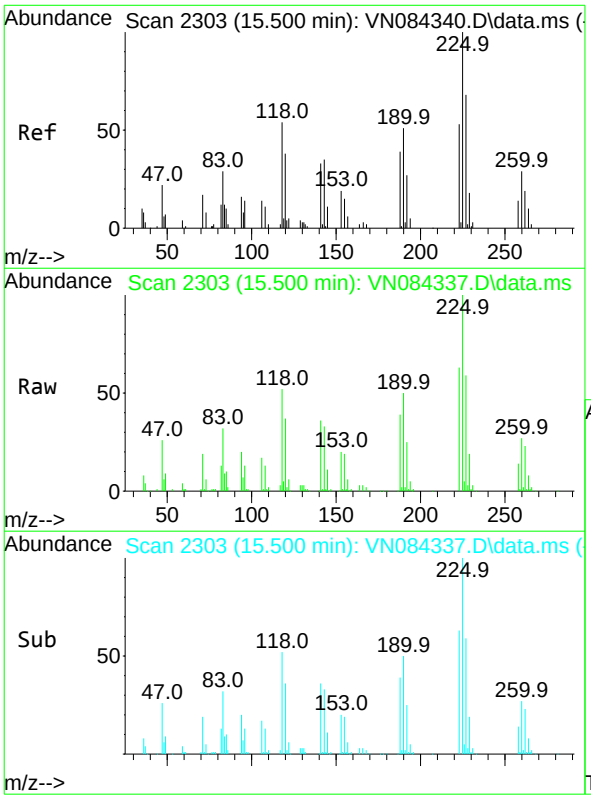
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.6
145	35.2	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

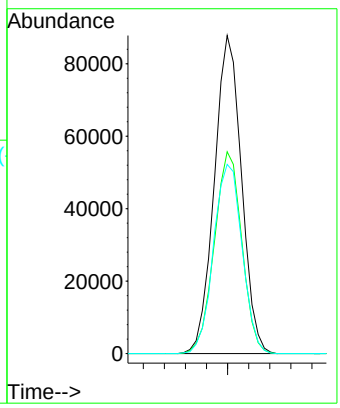
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

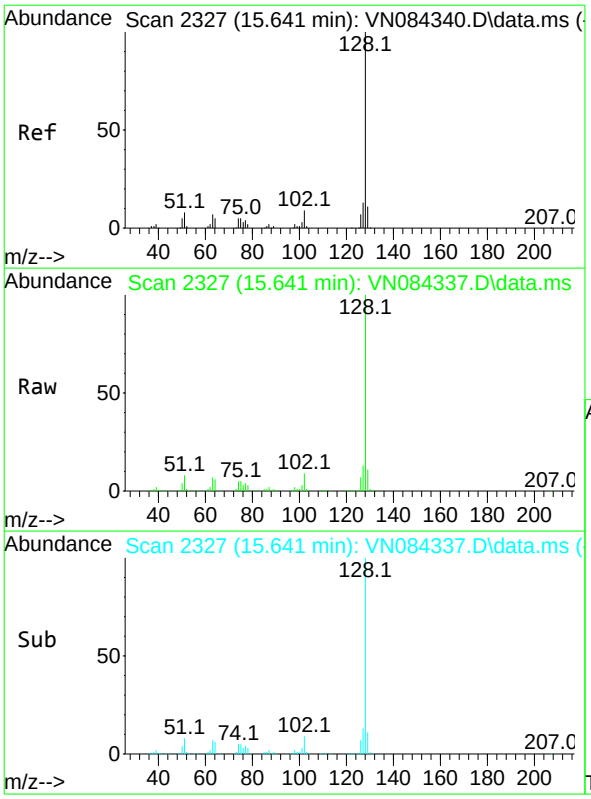


#90
Hexachlorobutadiene
Concen: 147.184 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:225 Resp: 157242

Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	124.0
227	62.5	0.0	130.8

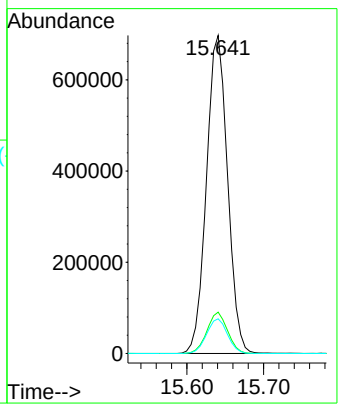




#91
Naphthalene
Concen: 170.565 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:128 Resp: 1334733

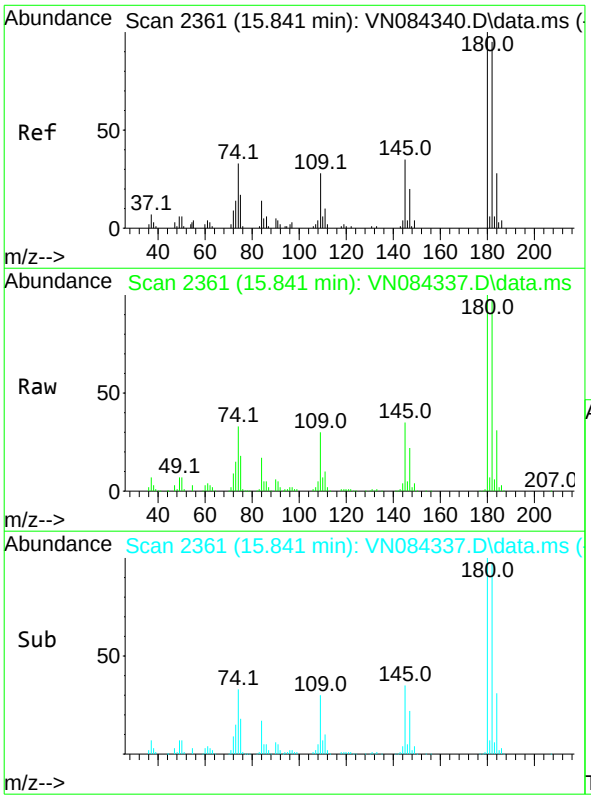
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

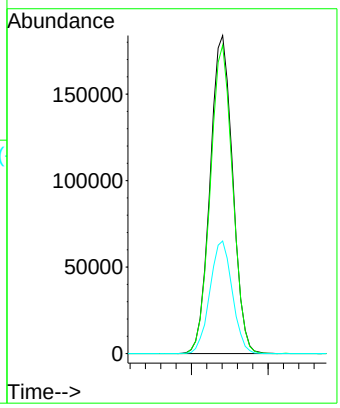
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 162.329 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:180 Resp: 374861

Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	194.4
145	35.2	0.0	72.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084338.D
Acq On : 08 Oct 2024 10:07
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	35068	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	190456	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	179975	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	84835	30.048	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%				
60) 4-Bromofluorobenzene	12.847	95	91083	30.664	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.200%				
63) Toluene-d8	10.565	98	247263	29.656	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.867%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	205380	95.924	ug/l		97
3) Chloromethane	2.359	50	238067	97.710	ug/l		99
4) Vinyl Chloride	2.512	62	232167	97.168	ug/l		98
5) Bromomethane	2.930	94	144198	91.091	ug/l		97
6) Chloroethane	3.106	64	140802	89.888	ug/l		97
7) Trichlorofluoromethane	3.489	101	379462	97.500	ug/l		92
8) Diethyl Ether	3.959	74	141064	98.586	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.365	101	213828	97.714	ug/l		99
10) 1,1-Dichloroethene	4.336	96	214197	98.097	ug/l		93
11) Methyl Iodide	4.583	142	286385	99.804	ug/l		99
12) Methyl Acetate	5.024	43	276654	101.206	ug/l		100
13) Acrolein	4.177	56	263202	518.323	ug/l		99
14) Acrylonitrile	5.712	53	599763	488.367	ug/l		98
15) Acetone	4.424	58	184044	524.611	ug/l		93
16) Carbon Disulfide	4.706	76	615999	94.737	ug/l		100
17) Allyl chloride	5.018	41	352646	99.630	ug/l		93
18) Methylene Chloride	5.271	84	235470	95.730	ug/l		96
19) trans-1,2-Dichloroethene	5.783	96	224774	97.266	ug/l		93
20) Diisopropyl ether	6.671	45	758291	99.640	ug/l		97
21) 1,1-Dichloroethane	6.565	63	420888	96.384	ug/l		97
22) cis-1,2-Dichloroethene	7.483	96	261797	97.356	ug/l		98
23) tert-Butyl Alcohol	5.524	59	237527	504.229	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	732699	100.410	ug/l	#	85
25) Chloroform	7.965	83	426680	96.476	ug/l		99
26) Cyclohexane	8.253	56	363184	99.442	ug/l	#	94
29) 1,1-Dichloropropene	8.371	75	312760	100.036	ug/l		99
30) 2-Butanone	7.483	43	852543	512.158	ug/l		99
31) 2,2-Dichloropropane	7.489	77	370236	100.772	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	399456	99.955	ug/l		99
33) Carbon Tetrachloride	8.359	117	347588	100.397	ug/l		97
34) Benzene	8.606	78	960915	98.185	ug/l		97
35) Methacrylonitrile	7.777	41	188397	106.088	ug/l		97
36) 1,2-Dichloroethane	8.671	62	320751	98.324	ug/l		100
37) Trichloroethene	9.353	130	224110	99.445	ug/l		93
38) Methylcyclohexane	9.600	83	359108	104.567	ug/l		99
39) 1,2-Dichloropropane	9.618	63	235798	98.802	ug/l		98
40) Dibromomethane	9.706	93	163396	97.960	ug/l		98
41) Bromodichloromethane	9.888	83	350730	99.048	ug/l		92
42) Vinyl Acetate	6.600	43	2998867	517.998	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084338.D
Acq On : 08 Oct 2024 10:07
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	337577	102.827 ug/l	97
44) Isopropyl Acetate	8.688	43	553772	103.059 ug/l	99
45) 1,4-Dioxane	9.694	88	102529	2116.681 ug/l	95
46) Methyl methacrylate	9.677	41	266510	102.653 ug/l	99
47) n-amyl Acetate	12.494	43	505509	105.767 ug/l	97
48) t-1,3-Dichloropropene	10.835	75	368556	100.723 ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	391167	102.004 ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	221414	98.758 ug/l	98
51) Ethyl methacrylate	10.871	69	391063	105.601 ug/l	92
52) 1,3-Dichloropropane	11.159	76	387077	98.740 ug/l	100
53) Dibromochloromethane	11.359	129	264647	99.925 ug/l	99
54) 1,2-Dibromoethane	11.465	107	230529	99.892 ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	906371	539.636 ug/l	99
56) Bromoform	12.576	173	181985	103.603 ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	1693999	505.272 ug/l	100
59) 2-Hexanone	11.194	43	1283238	515.092 ug/l	99
61) Tetrachloroethene	11.100	164	196676	96.610 ug/l	96
62) Toluene	10.629	91	1038960	98.609 ug/l	99
64) Chlorobenzene	11.888	112	641078	97.777 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	224096	98.384 ug/l	99
66) Ethyl Benzene	11.965	91	1181271	103.195 ug/l	100
67) m/p-Xylenes	12.071	106	878405	202.285 ug/l	99
68) o-Xylene	12.400	106	426068	101.792 ug/l	99
69) Styrene	12.412	104	739030	102.854 ug/l	99
70) Isopropylbenzene	12.694	105	1096352	102.602 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	326404	98.744 ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	282274m	99.846 ug/l	
73) Bromobenzene	12.976	156	258761	99.991 ug/l	99
74) n-propylbenzene	13.035	91	1306104	102.573 ug/l	99
75) 2-Chlorotoluene	13.123	91	797168	100.748 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	925442	102.861 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	128080	105.874 ug/l	99
78) 4-Chlorotoluene	13.218	91	811956	100.932 ug/l	99
79) tert-butylbenzene	13.435	119	797890	103.950 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	940023	102.973 ug/l	99
81) sec-Butylbenzene	13.618	105	1098551	103.955 ug/l	99
82) p-Isopropyltoluene	13.729	119	929312	104.480 ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	486367	101.078 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	482980	101.080 ug/l	99
85) n-Butylbenzene	14.053	91	822416	106.755 ug/l	97
86) Hexachloroethane	14.335	117	173285	101.121 ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	469667	100.954 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	69709	103.123 ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	249678	103.221 ug/l	96
90) Hexachlorobutadiene	15.500	225	106287	94.981 ug/l	98
91) Naphthalene	15.641	128	888428	108.388 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	249678	103.221 ug/l	96

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

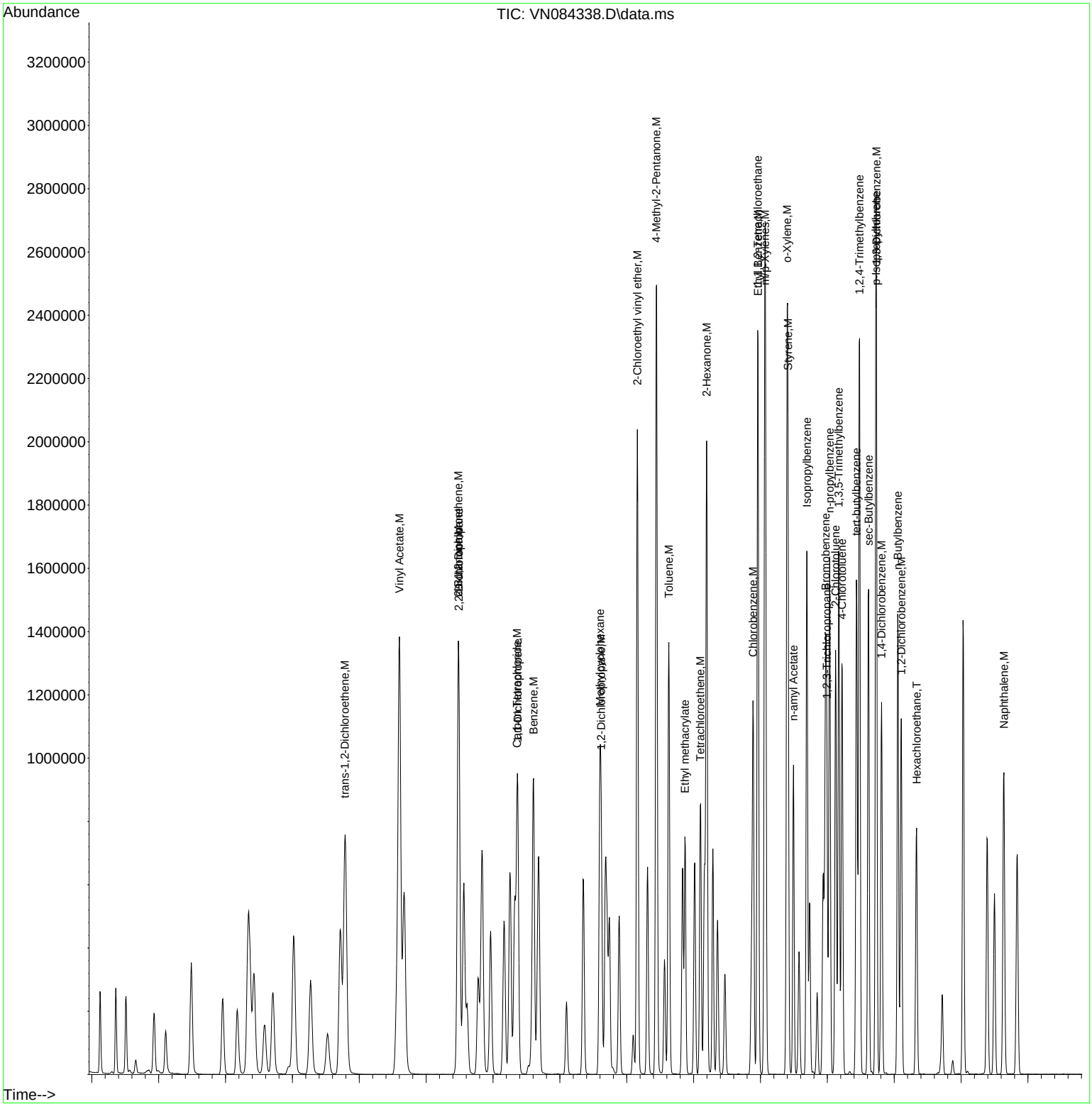
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084338.D
Acq On : 08 Oct 2024 10:07
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

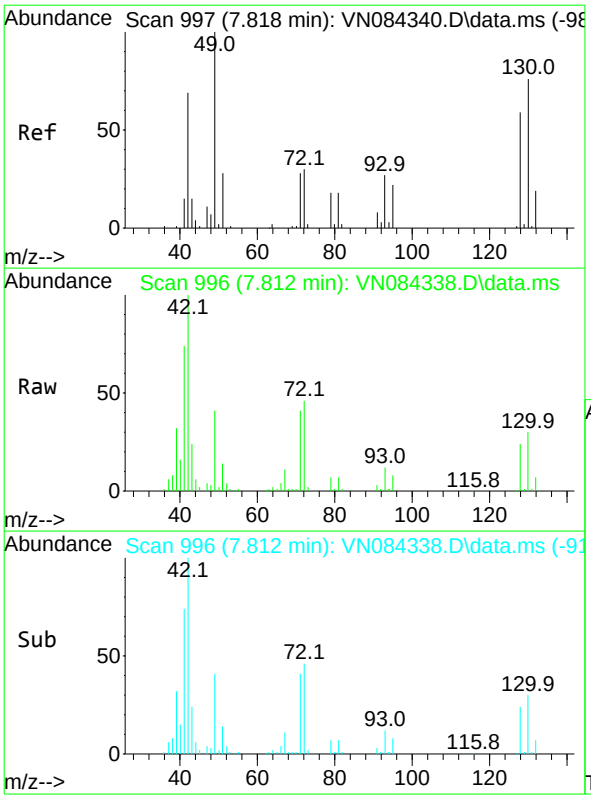
Quant Time: Oct 09 02:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

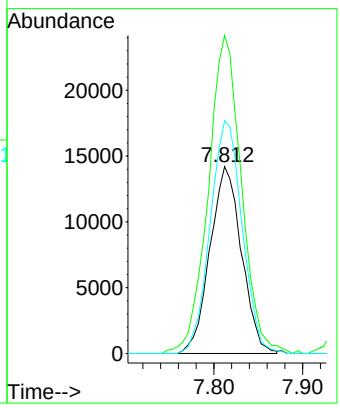




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:128 Resp: 35068

Ion	Ratio	Lower	Upper
128	100		
49	178.6	0.0	430.0
130	126.3	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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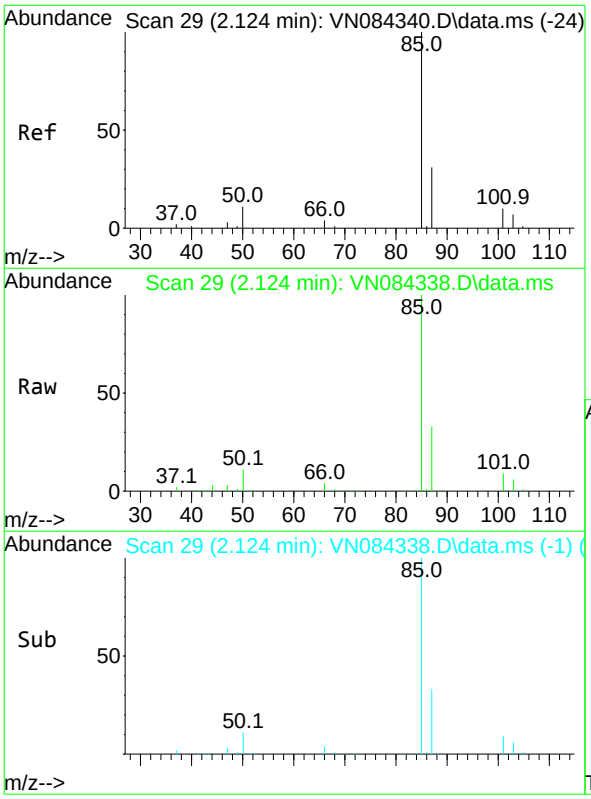
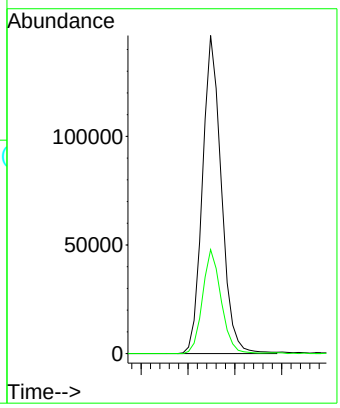
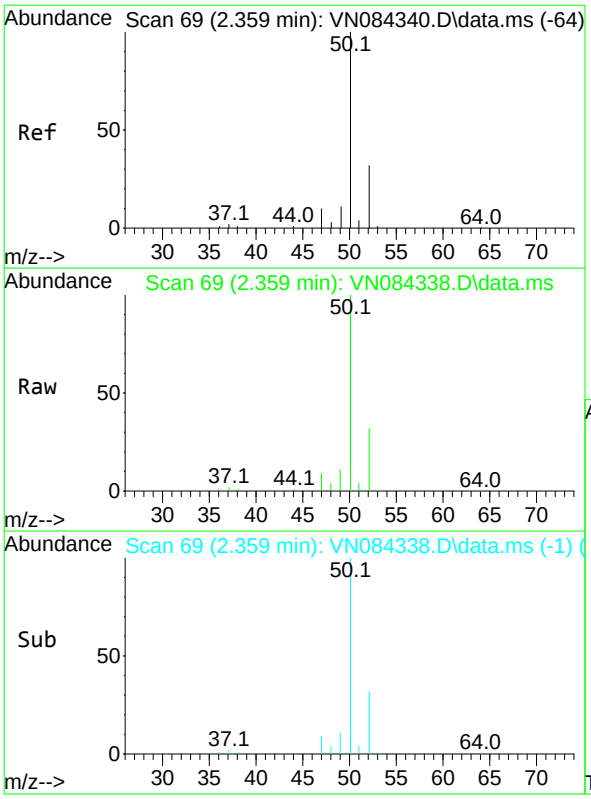


#2
Dichlorodifluoromethane
Concen: 95.924 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 85 Resp: 205380

Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.4	46.4

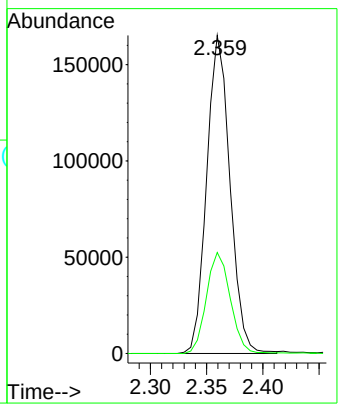




#3
Chloromethane
Concen: 97.710 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 50 Resp: 238067

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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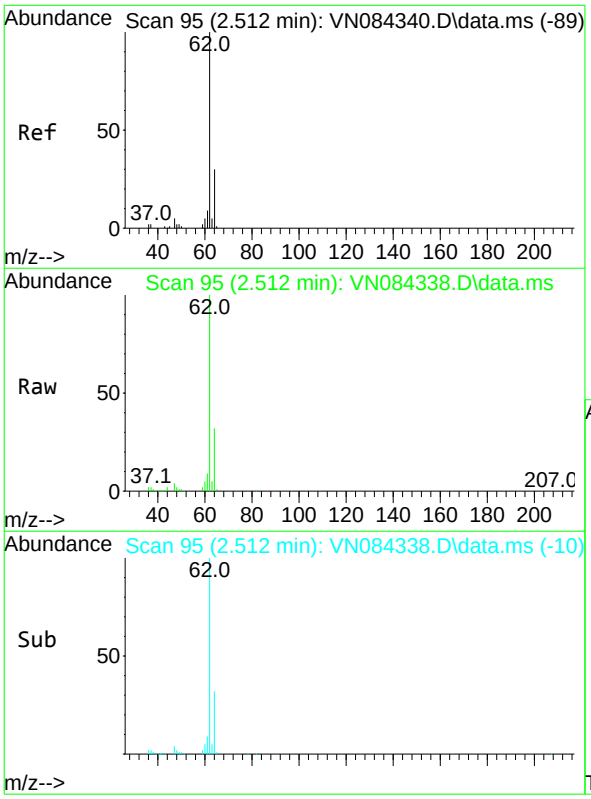
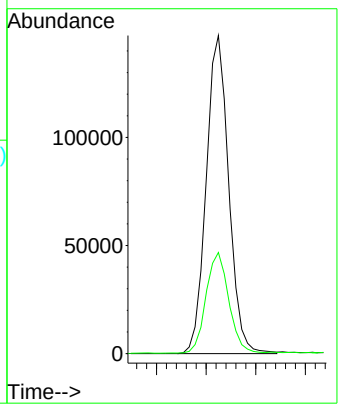
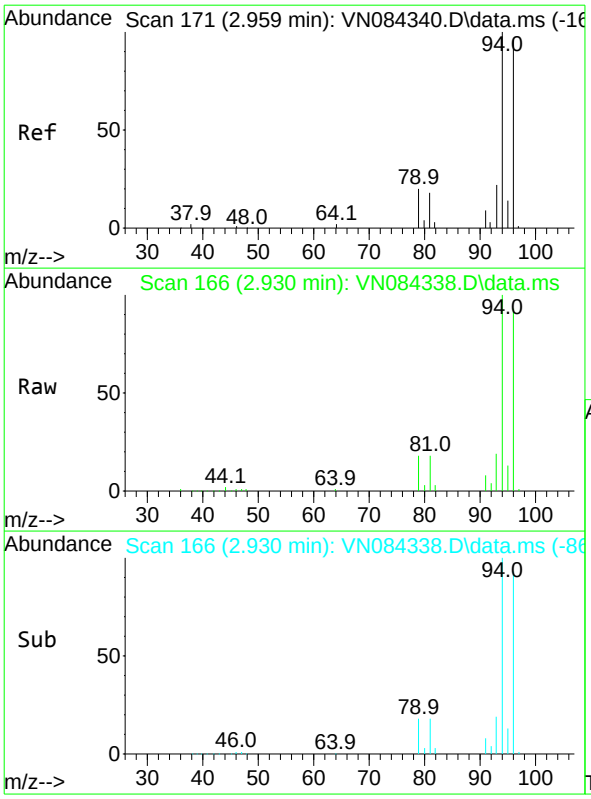


#4
Vinyl Chloride
Concen: 97.168 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 62 Resp: 232167

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.3	36.5

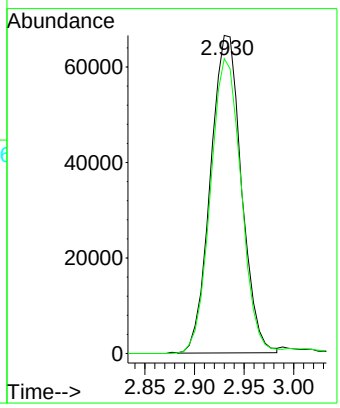




#5
Bromomethane
Concen: 91.091 ug/l
RT: 2.930 min Scan# 16
Delta R.T. -0.029 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 94 Resp: 144198

Ion	Ratio	Lower	Upper
94	100		
96	92.7	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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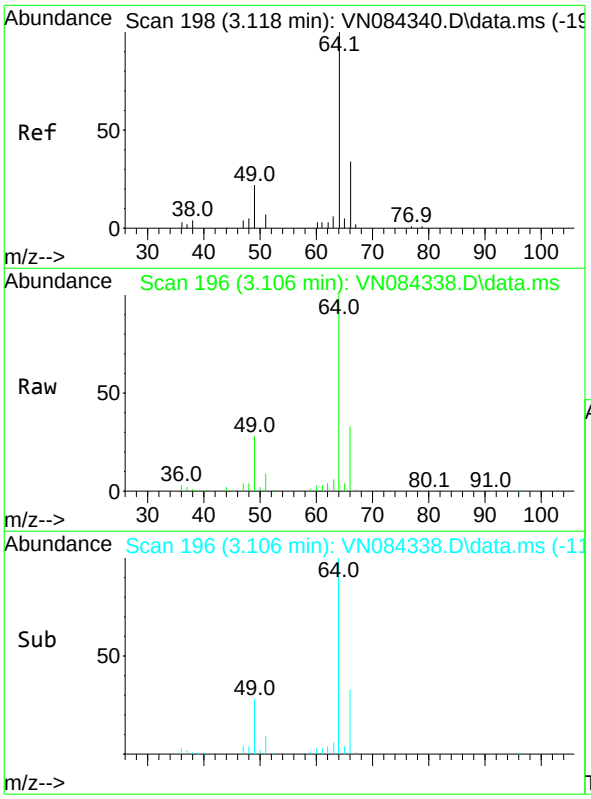
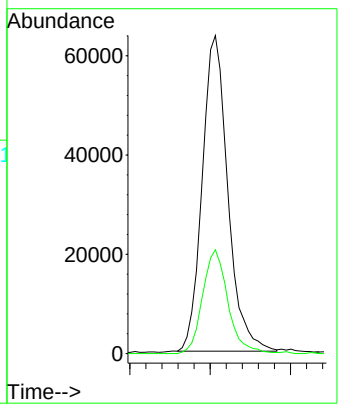
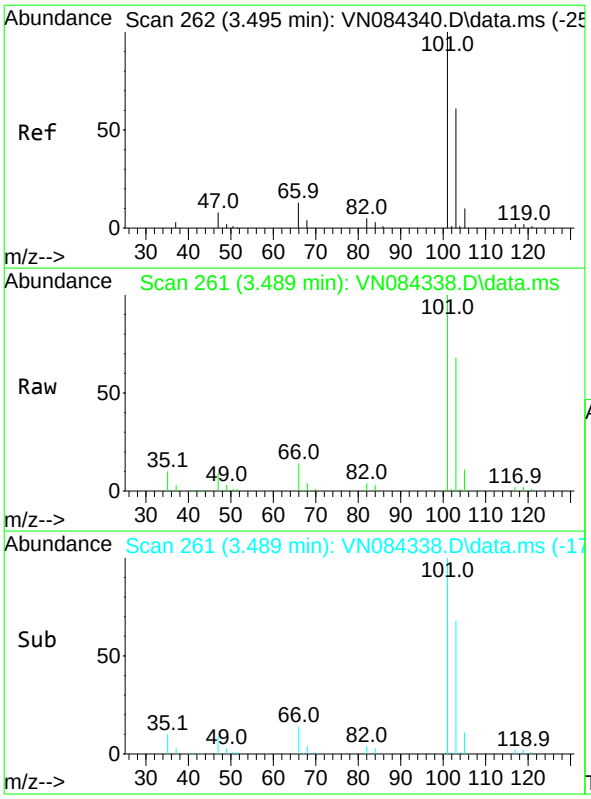


#6
Chloroethane
Concen: 89.888 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 64 Resp: 140802

Ion	Ratio	Lower	Upper
64	100		
66	32.9	27.7	41.5

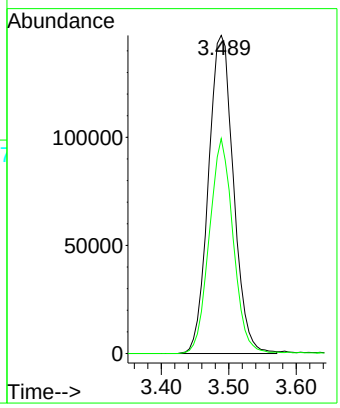




#7
Trichlorofluoromethane
Concen: 97.500 ug/l
RT: 3.489 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:101 Resp: 379462

Ion	Ratio	Lower	Upper
101	100		
103	67.6	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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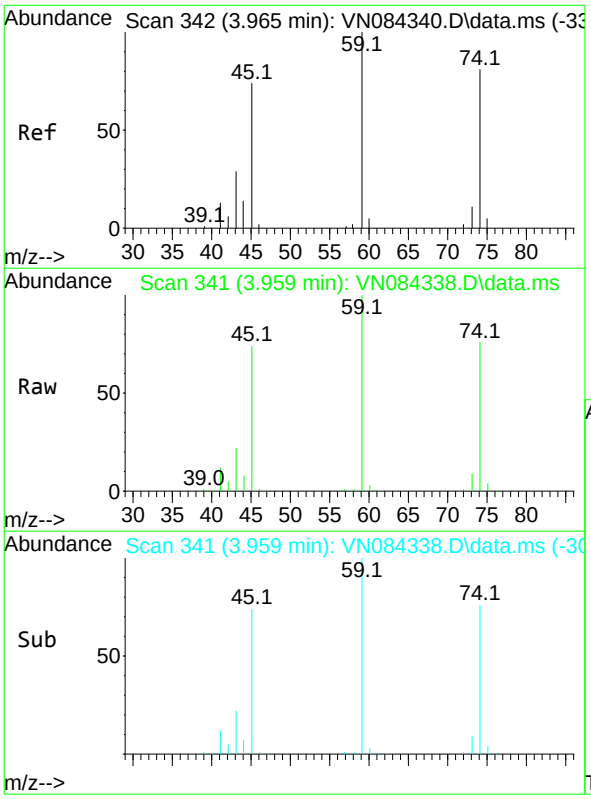
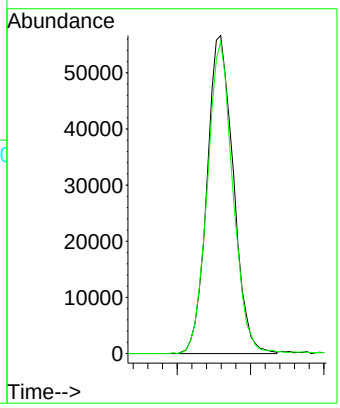
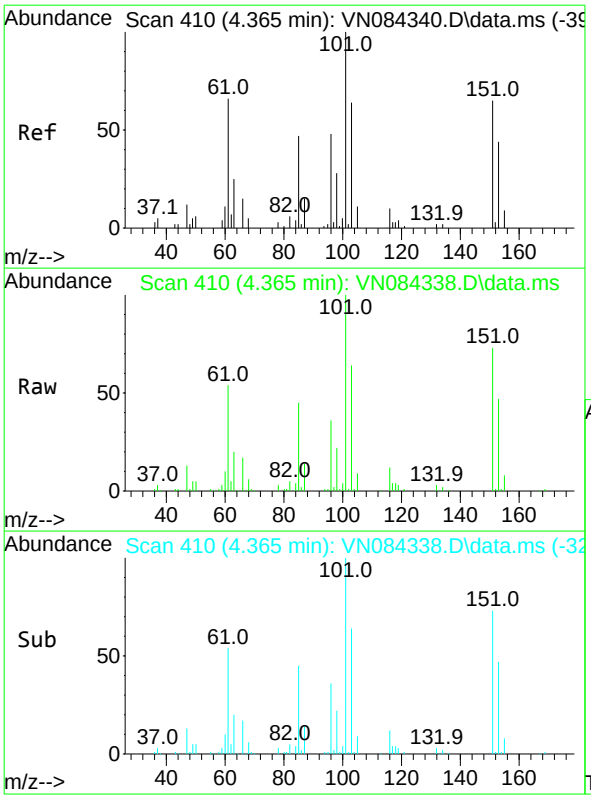


#8
Diethyl Ether
Concen: 98.586 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 74 Resp: 141064

Ion	Ratio	Lower	Upper
74	100		
45	94.9	19.2	173.2

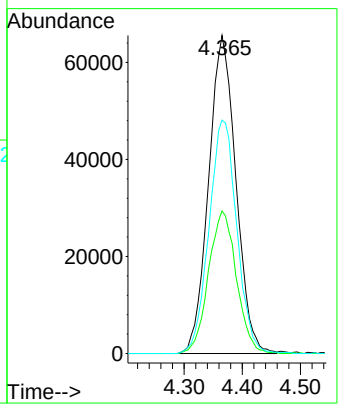




#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.714 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:101 Resp: 213828

Ion	Ratio	Lower	Upper
101	100		
85	45.7	0.0	93.6
151	74.8	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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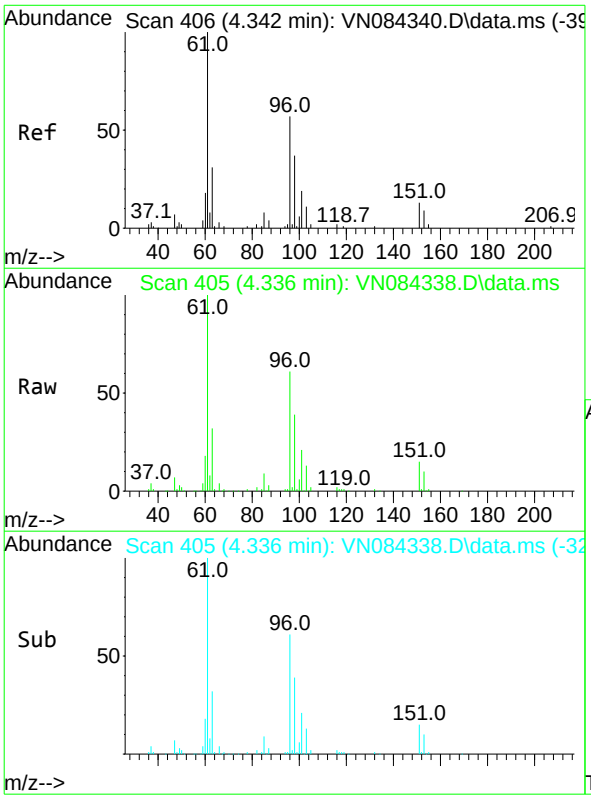
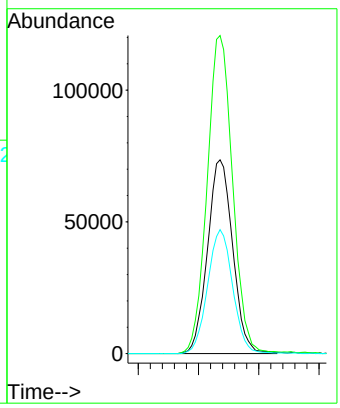
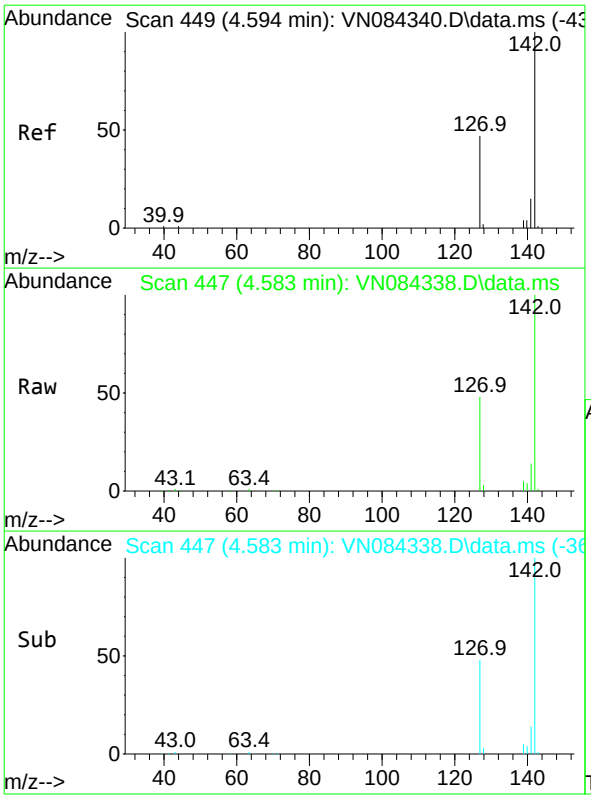


#10
1,1-Dichloroethene
Concen: 98.097 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 96 Resp: 214197

Ion	Ratio	Lower	Upper
96	100		
61	164.1	140.8	211.2
98	64.0	52.2	78.2

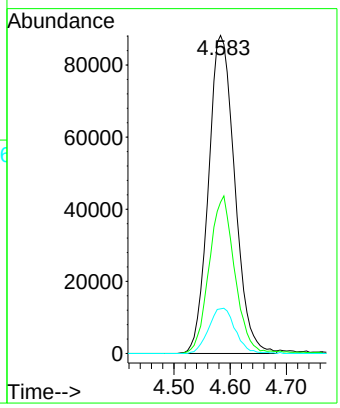




#11
Methyl Iodide
Concen: 99.804 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:142 Resp: 286385

Ion	Ratio	Lower	Upper
142	100		
127	47.4	23.8	71.4
141	14.1	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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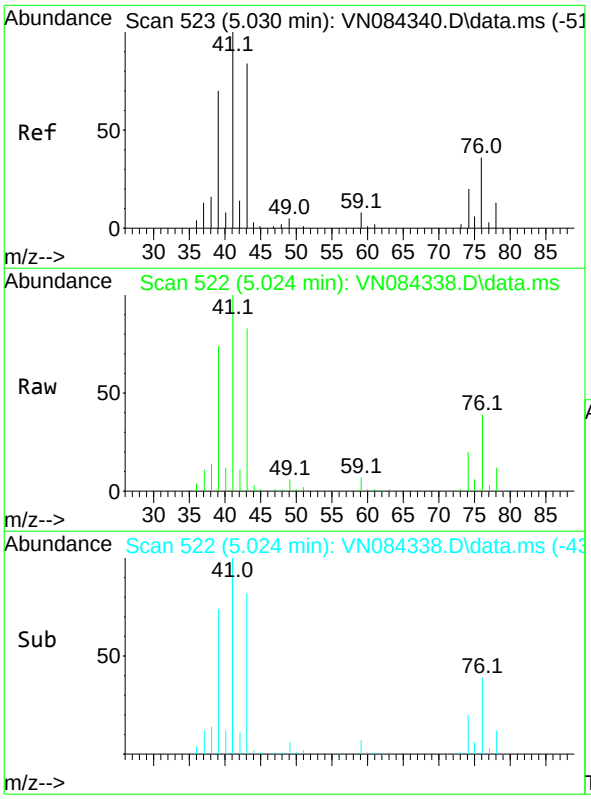
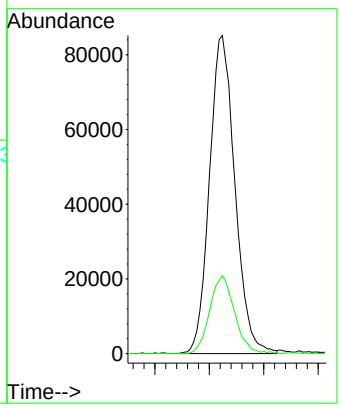
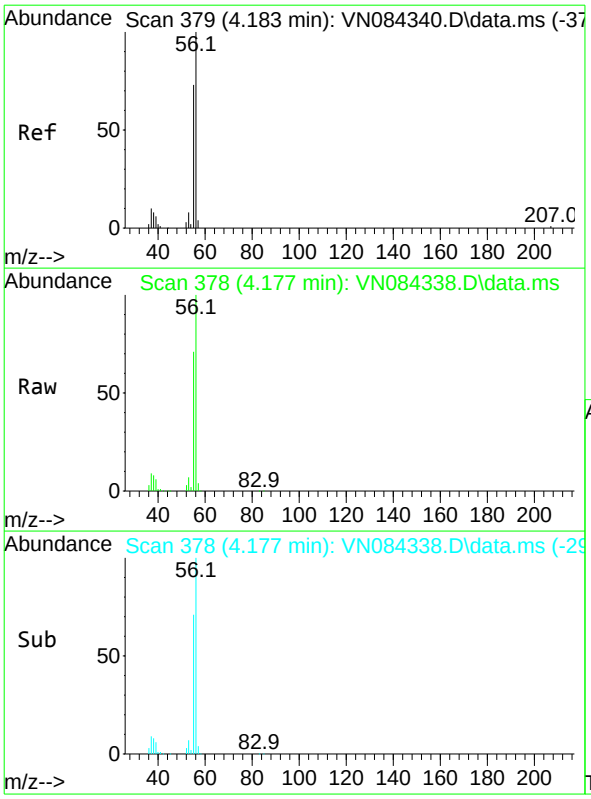


#12
Methyl Acetate
Concen: 101.206 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 276654

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2

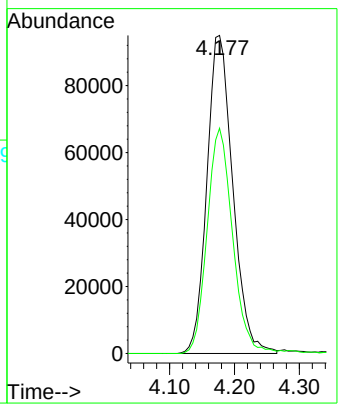




#13
Acrolein
Concen: 518.323 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 56 Resp: 263202

Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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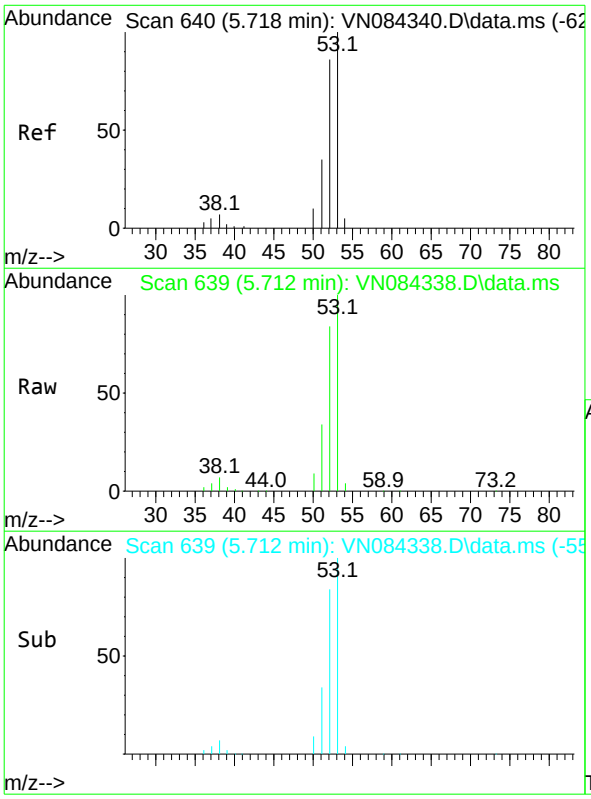
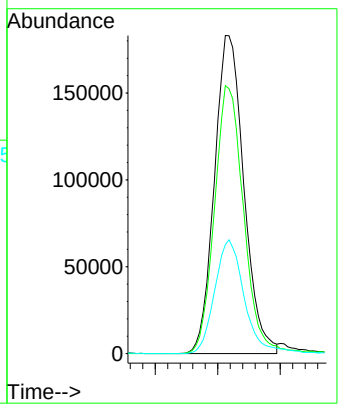
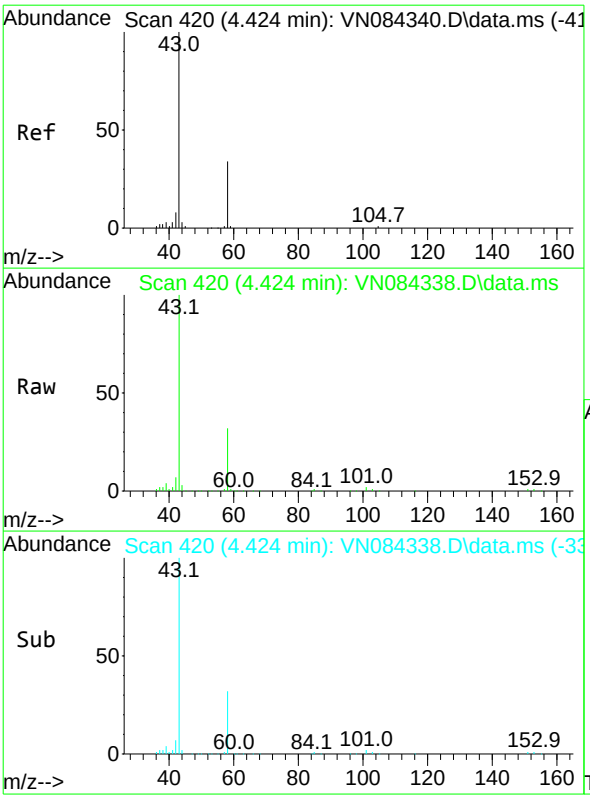


#14
Acrylonitrile
Concen: 488.367 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 53 Resp: 599763

Ion	Ratio	Lower	Upper
53	100		
52	83.2	40.4	121.2
51	36.0	17.8	53.4

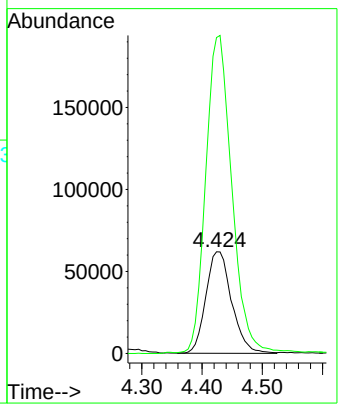




#15
Acetone
Concen: 524.611 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 58 Resp: 184044

Ion	Ratio	Lower	Upper
58	100		
43	310.9	237.5	356.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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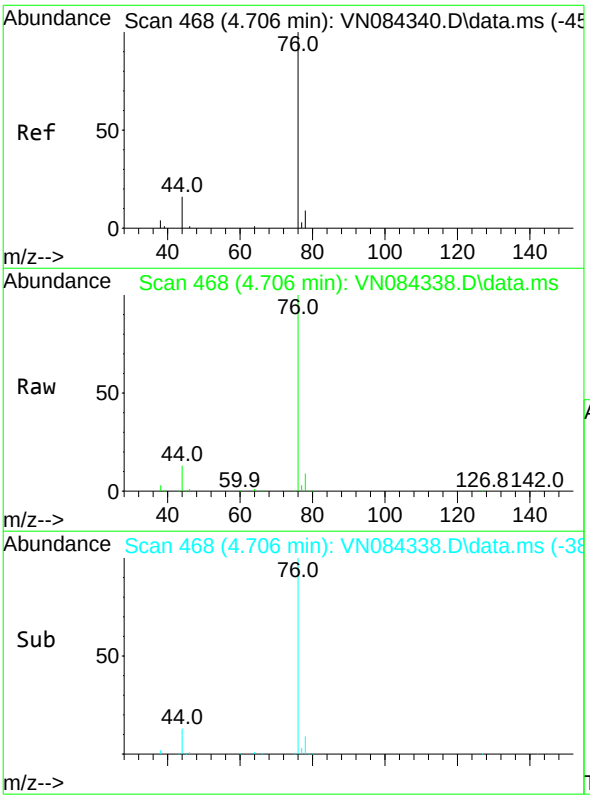
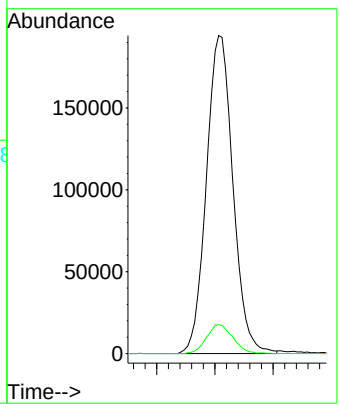
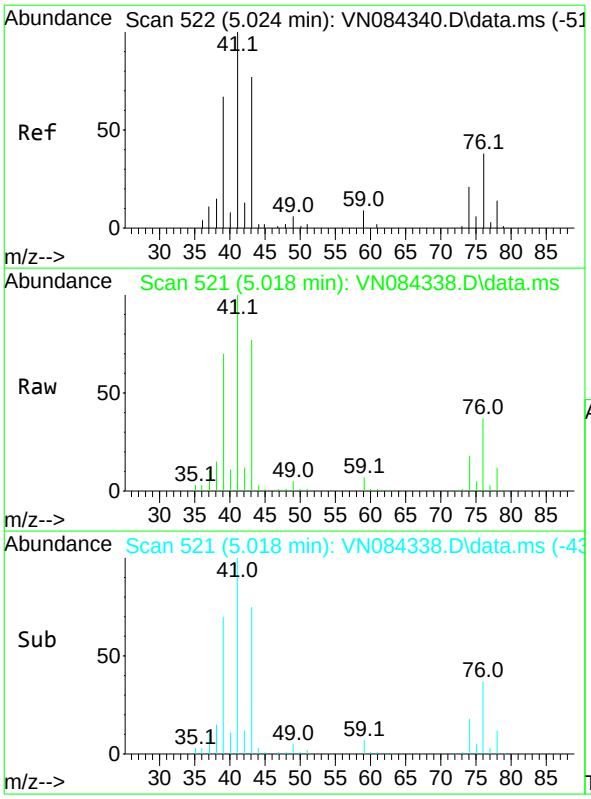


#16
Carbon Disulfide
Concen: 94.737 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 76 Resp: 615999

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

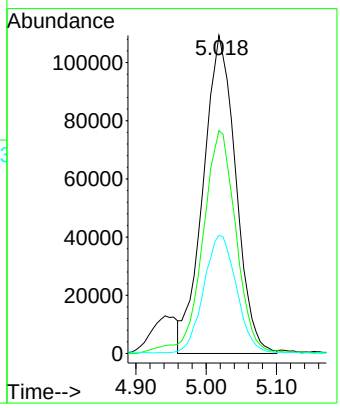




#17
Allyl chloride
Concen: 99.630 ug/l
RT: 5.018 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 41 Resp: 352646

Ion	Ratio	Lower	Upper
41	100		
39	69.8	31.4	94.3
76	37.2	17.8	53.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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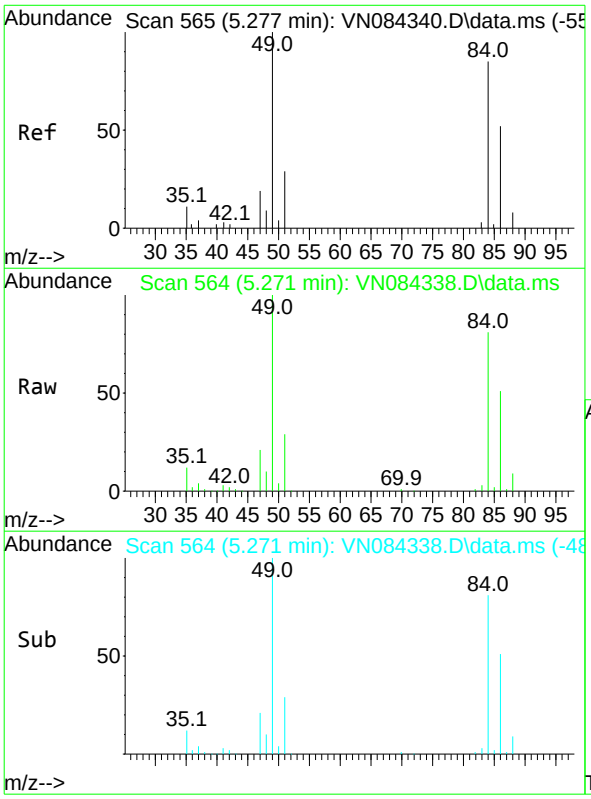
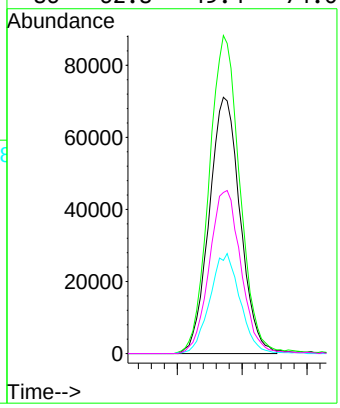
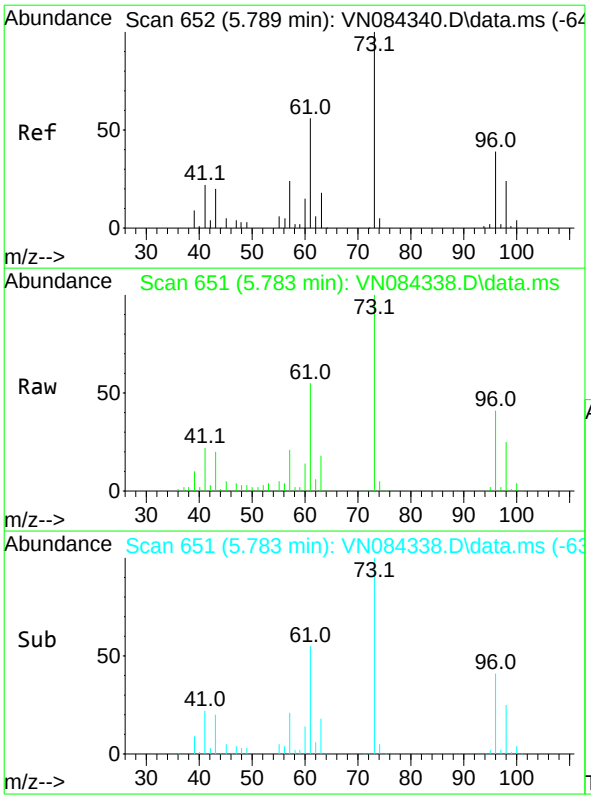


#18
Methylene Chloride
Concen: 95.730 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 84 Resp: 235470

Ion	Ratio	Lower	Upper
84	100		
49	123.6	94.6	142.0
51	36.1	27.3	40.9
86	62.8	49.4	74.0

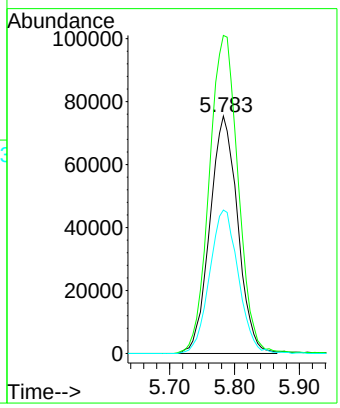




#19
trans-1,2-Dichloroethene
Concen: 97.266 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 96 Resp: 224774

Ion	Ratio	Lower	Upper
96	100		
61	133.7	115.8	173.6
98	60.4	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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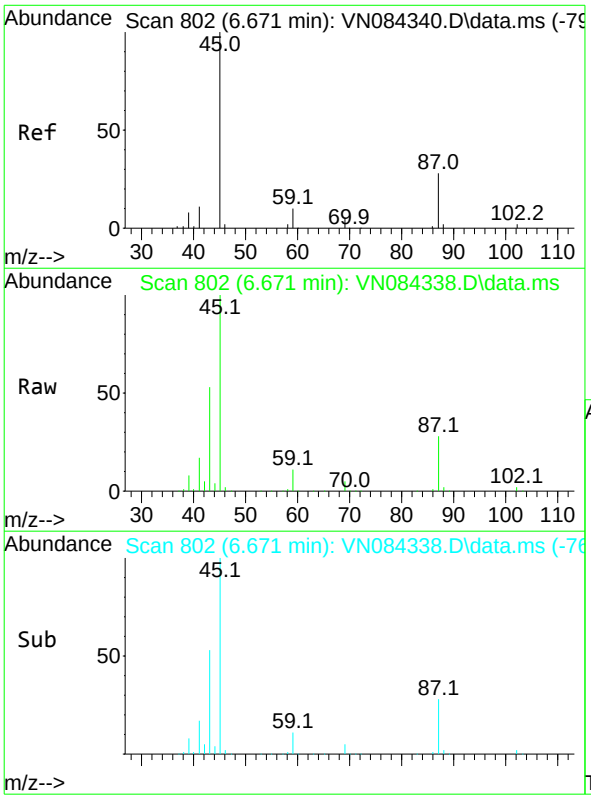
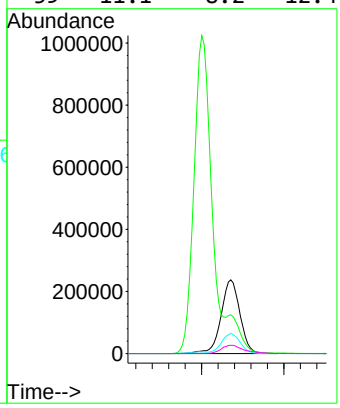
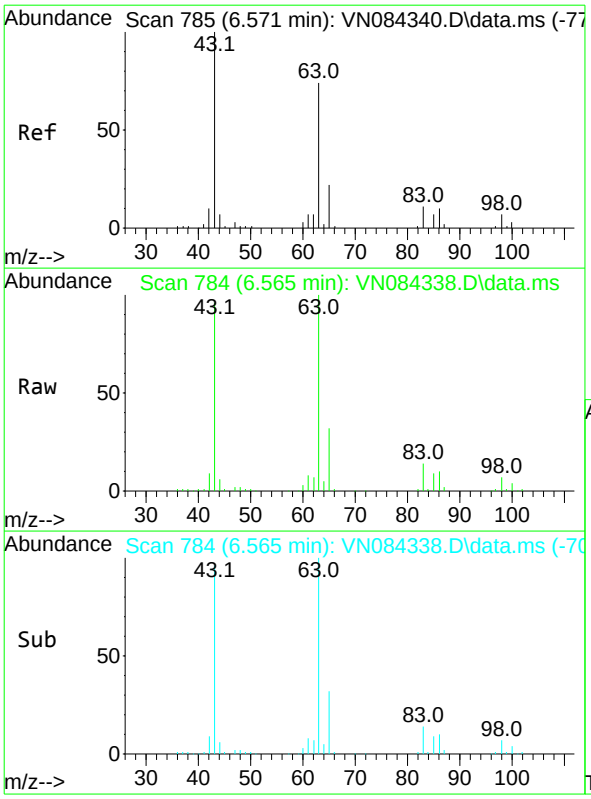


#20
Diisopropyl ether
Concen: 99.640 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 45 Resp: 758291

Ion	Ratio	Lower	Upper
45	100		
43	51.9	43.7	65.5
87	27.4	23.1	34.7
59	11.1	8.2	12.4

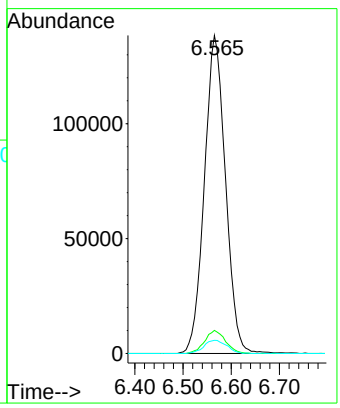




#21
1,1-Dichloroethane
Concen: 96.384 ug/l
RT: 6.565 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 63 Resp: 420888

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.5	13.4
100	4.1	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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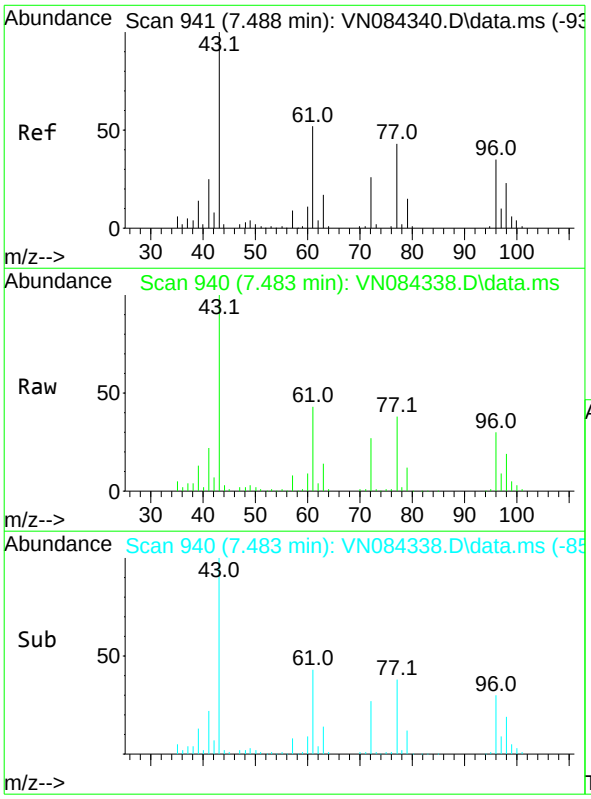
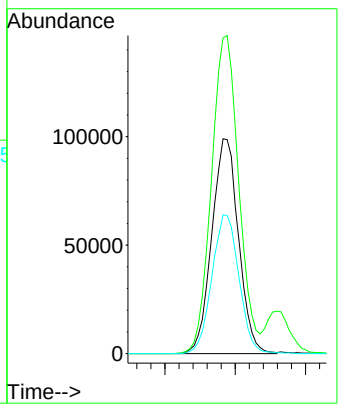
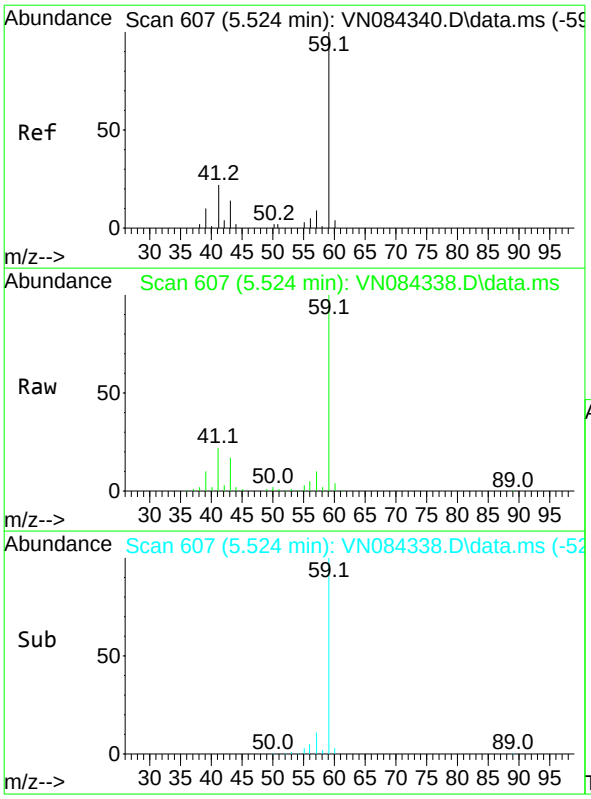


#22
cis-1,2-Dichloroethene
Concen: 97.356 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 96 Resp: 261797

Ion	Ratio	Lower	Upper
96	100		
61	151.3	118.0	177.0
98	65.3	51.8	77.8

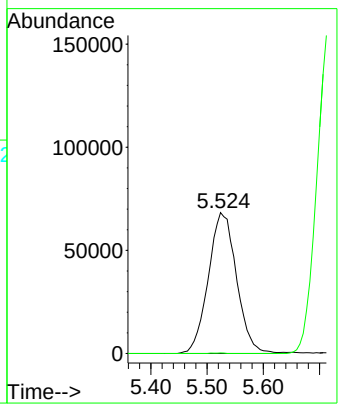




#23
tert-Butyl Alcohol
Concen: 504.229 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 59 Resp: 237527

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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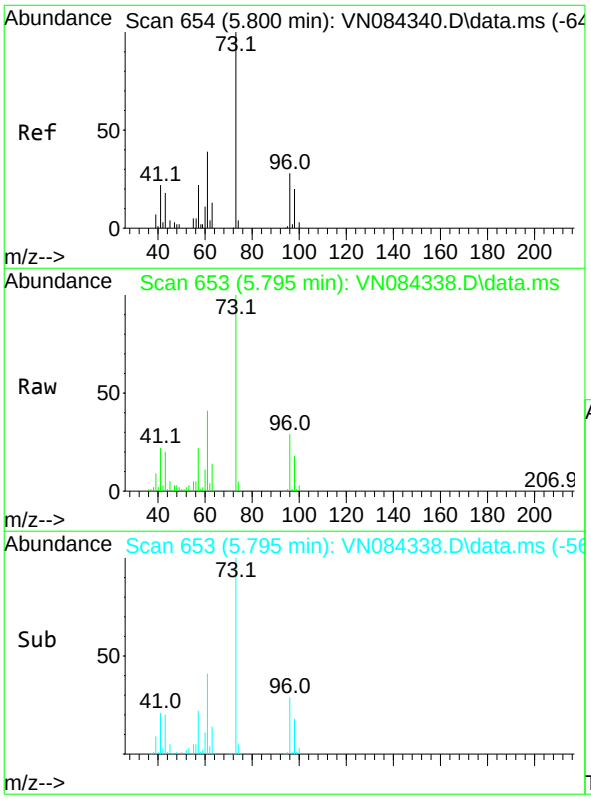
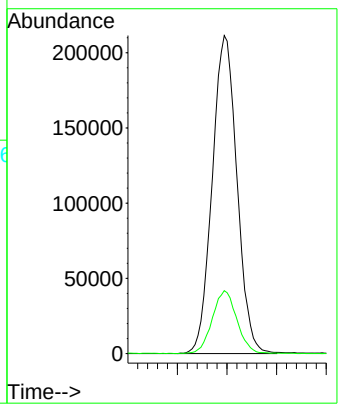
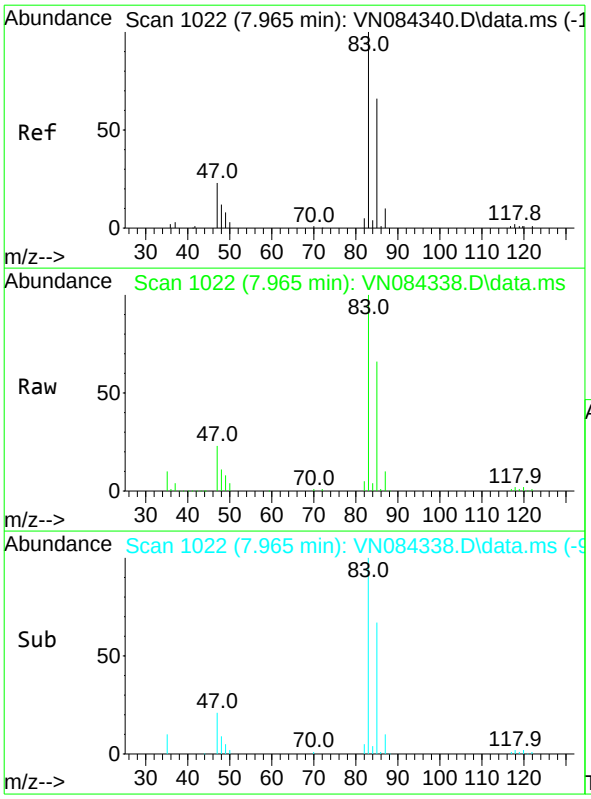


#24
Methyl tert-Butyl Ether
Concen: 100.410 ug/l
RT: 5.795 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 73 Resp: 732699

Ion	Ratio	Lower	Upper
73	100		
43	19.7	10.9	16.3#

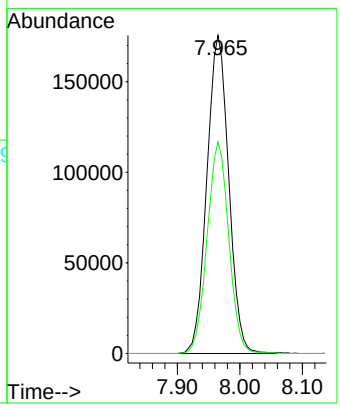




#25
Chloroform
Concen: 96.476 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 83 Resp: 426680

Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6



Instrument :
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ClientSampleId :
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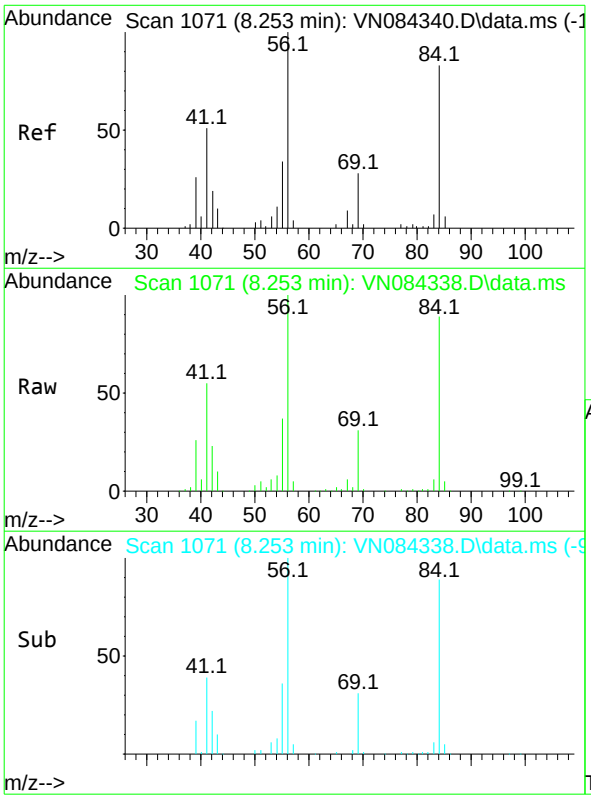
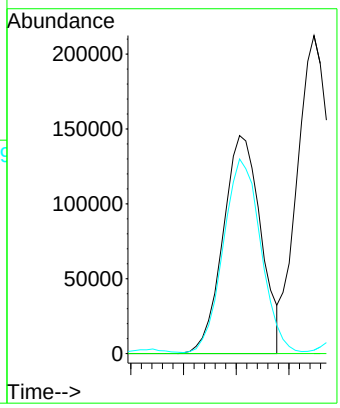
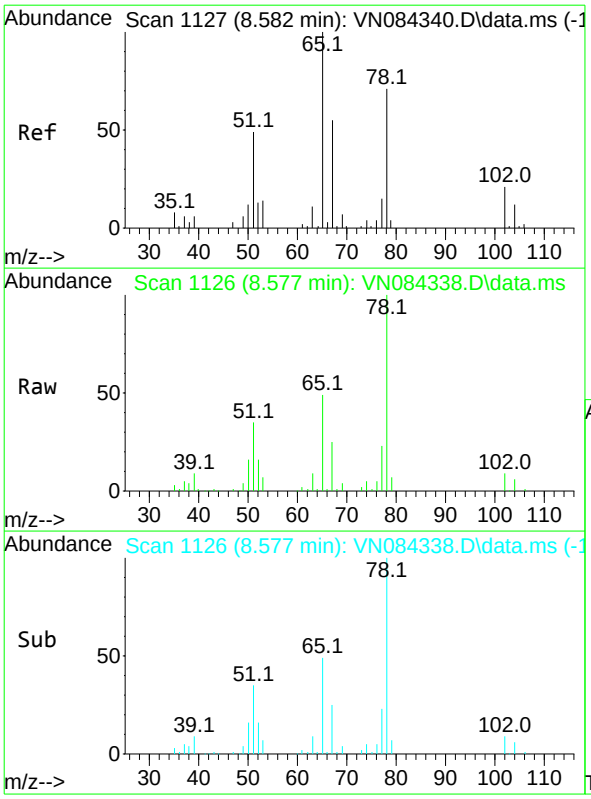


#26
Cyclohexane
Concen: 99.442 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 56 Resp: 363184

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	89.0	67.0	100.6

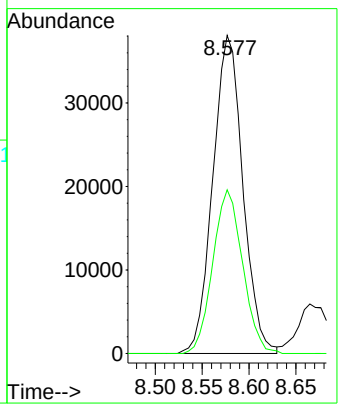




#27
1,2-Dichloroethane-d4
Concen: 30.048 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 65 Resp: 84835

Ion	Ratio	Lower	Upper
65	100		
67	51.1	41.5	62.3



Instrument :
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ClientSampleId :
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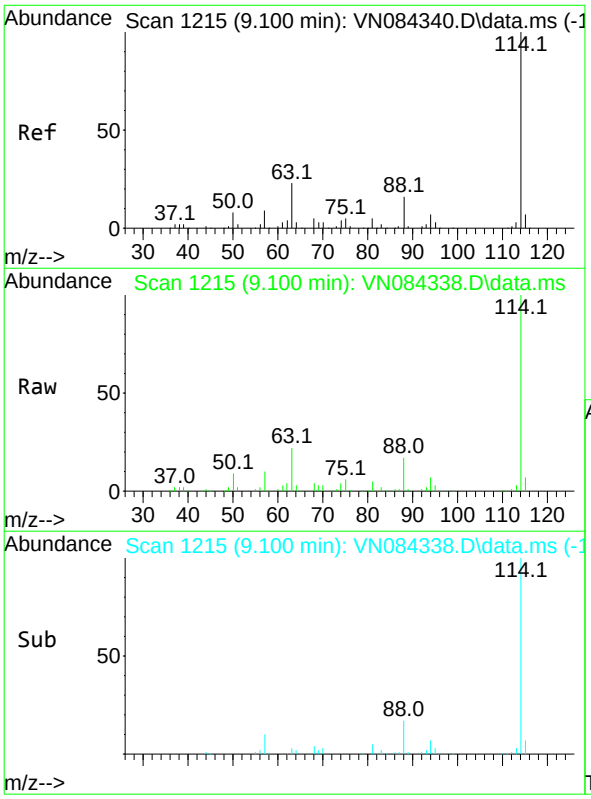
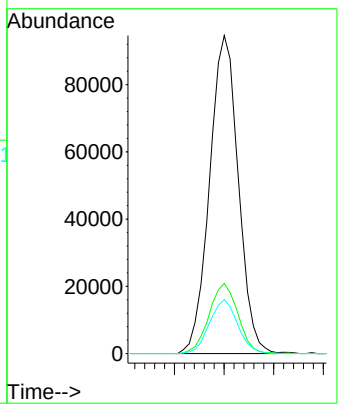
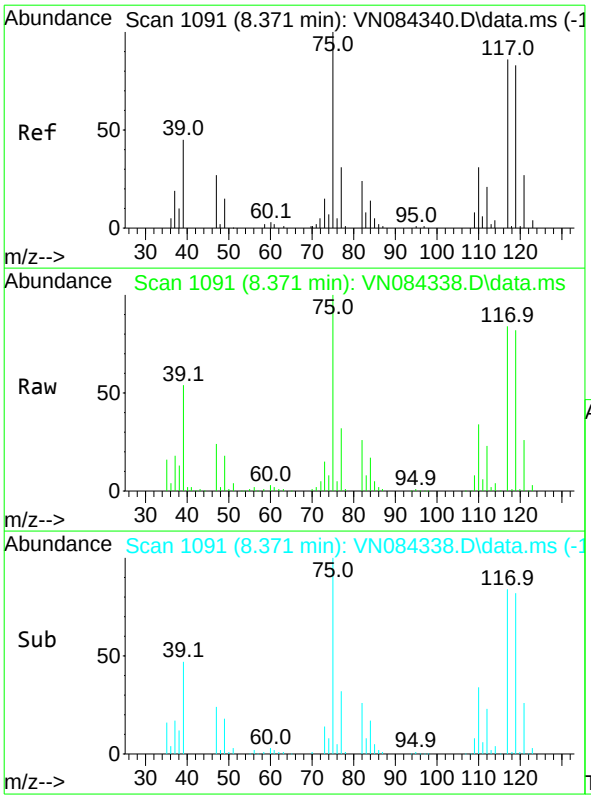


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:114 Resp: 190456

Ion	Ratio	Lower	Upper
114	100		
63	22.1	17.4	26.0
88	16.6	13.2	19.8

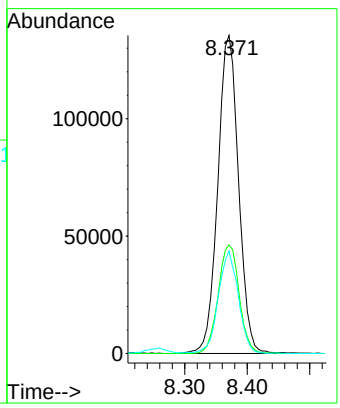




#29
1,1-Dichloropropene
Concen: 100.036 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 312760

Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	67.6
77	31.2	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
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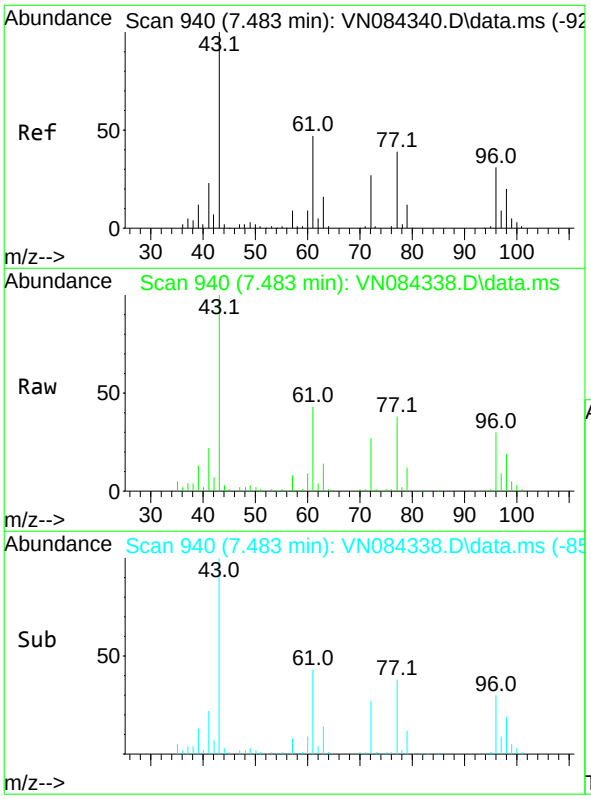
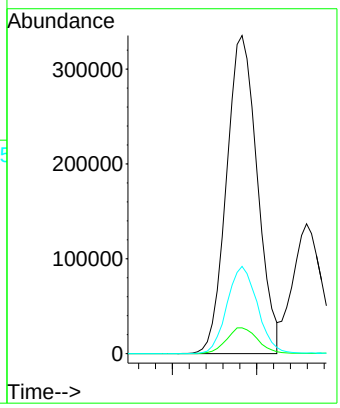
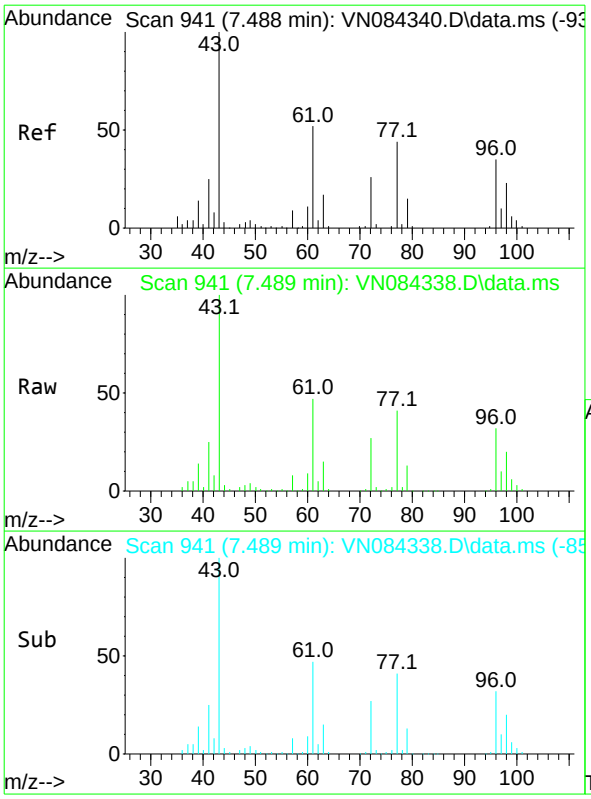


#30
2-Butanone
Concen: 512.158 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 852543

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	27.1	21.3	31.9

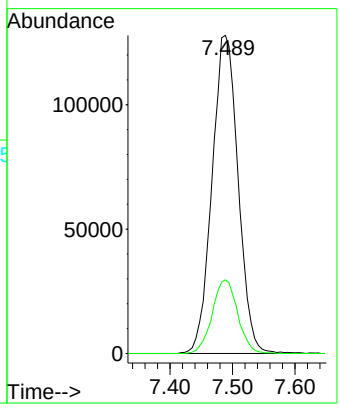




#31
2,2-Dichloropropane
Concen: 100.772 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 77 Resp: 370236

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.5	17.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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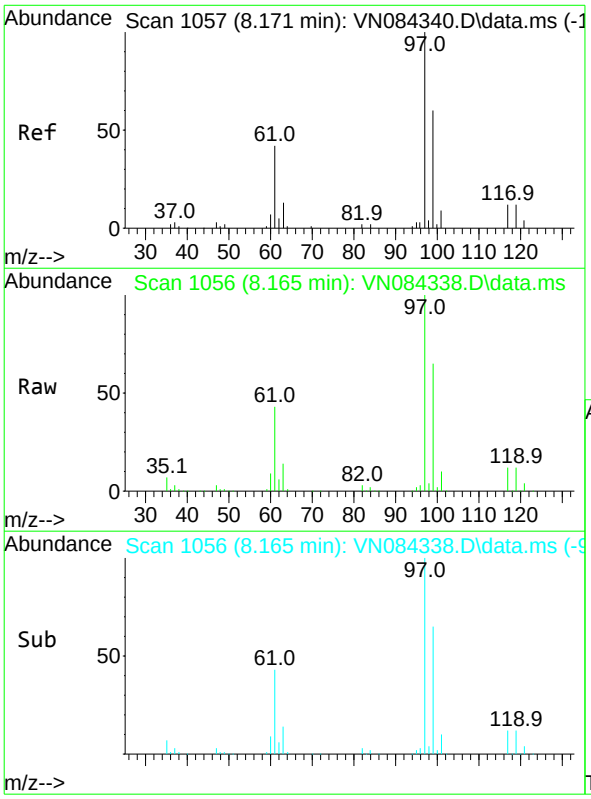
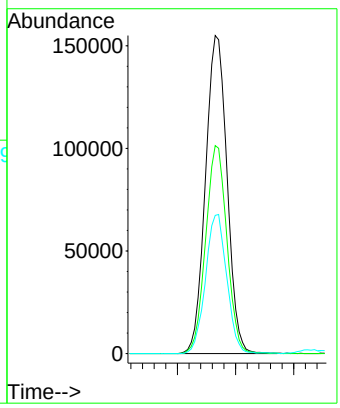
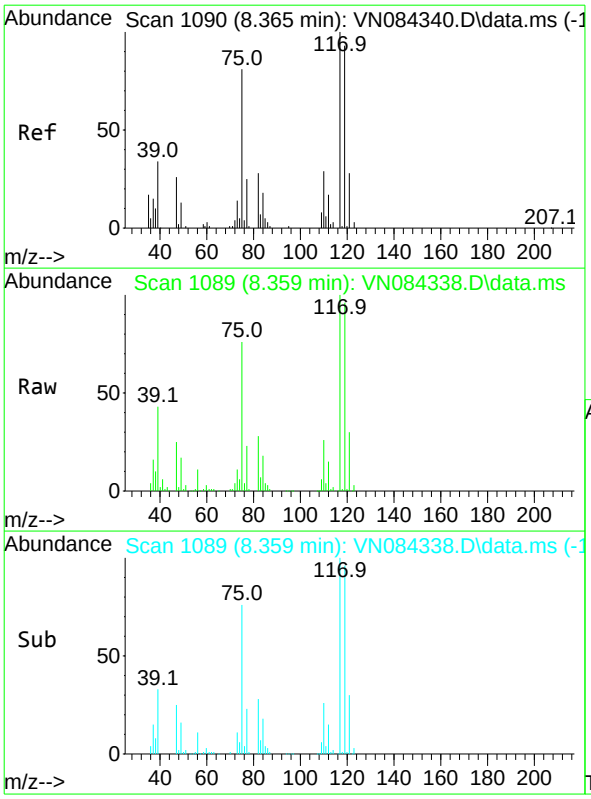


#32
1,1,1-Trichloroethane
Concen: 99.955 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 97 Resp: 399456

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	43.0	34.1	51.1

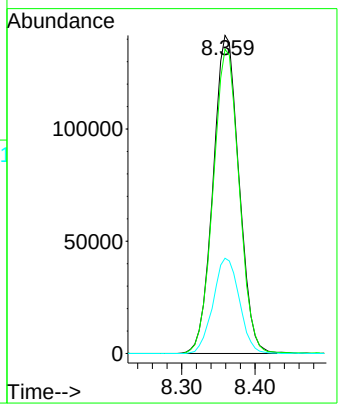




#33
Carbon Tetrachloride
Concen: 100.397 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:117 Resp: 347588

Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.3	111.5
121	29.9	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
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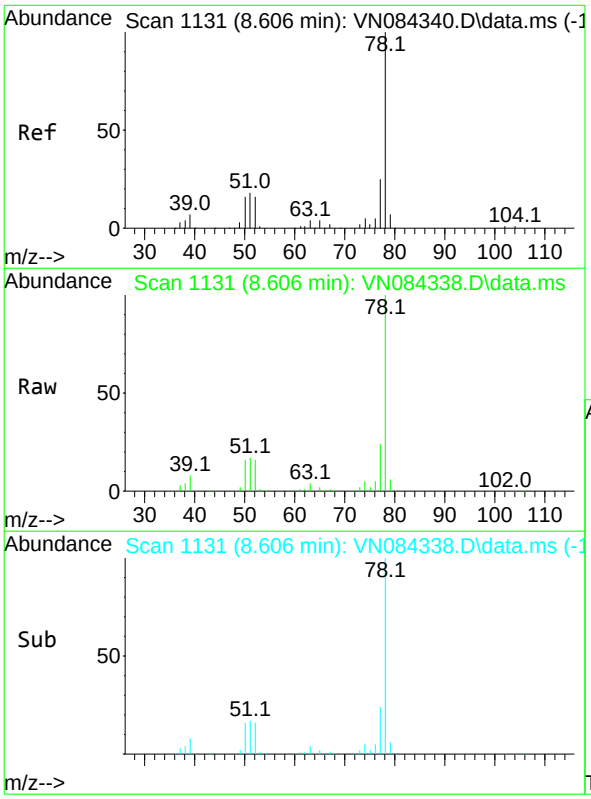
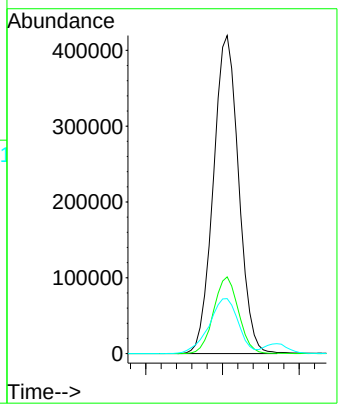
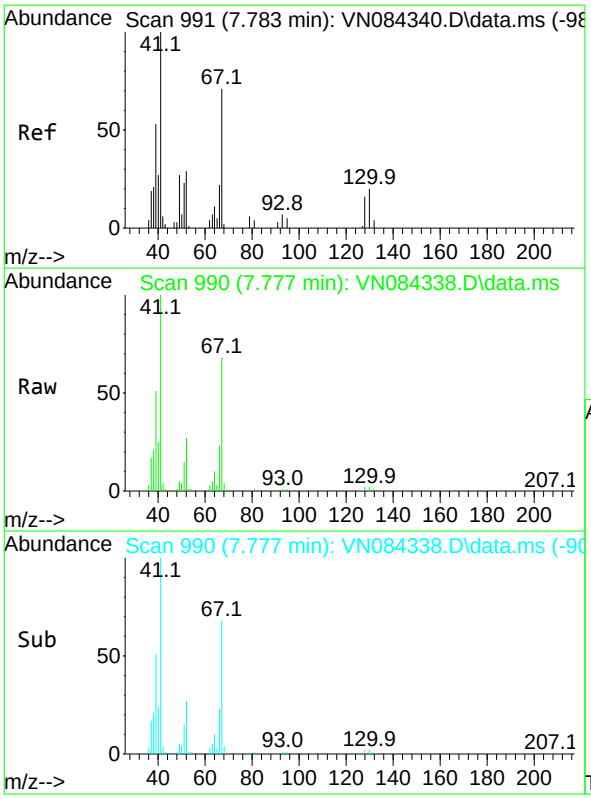


#34
Benzene
Concen: 98.185 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 78 Resp: 960915

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4
51	17.1	15.8	23.6

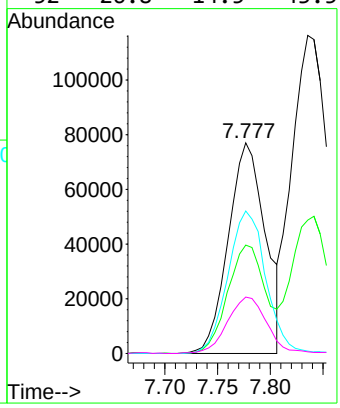




#35
Methacrylonitrile
Concen: 106.088 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 41 Resp: 188397

Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.4	79.0
67	67.7	35.7	107.1
52	26.8	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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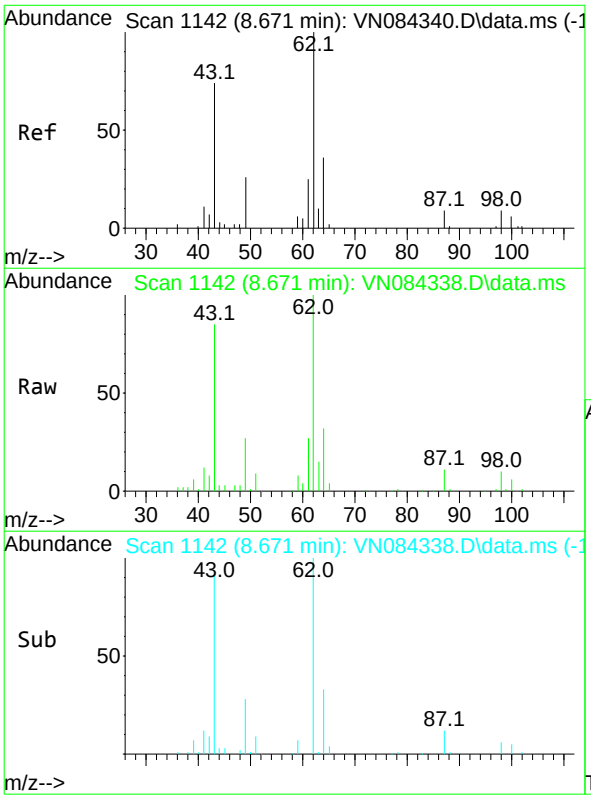
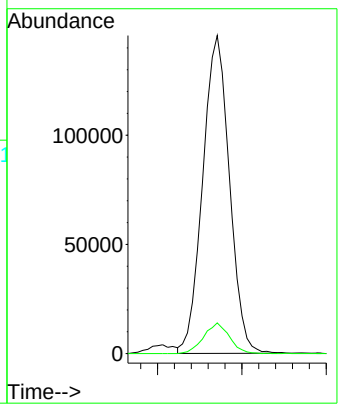
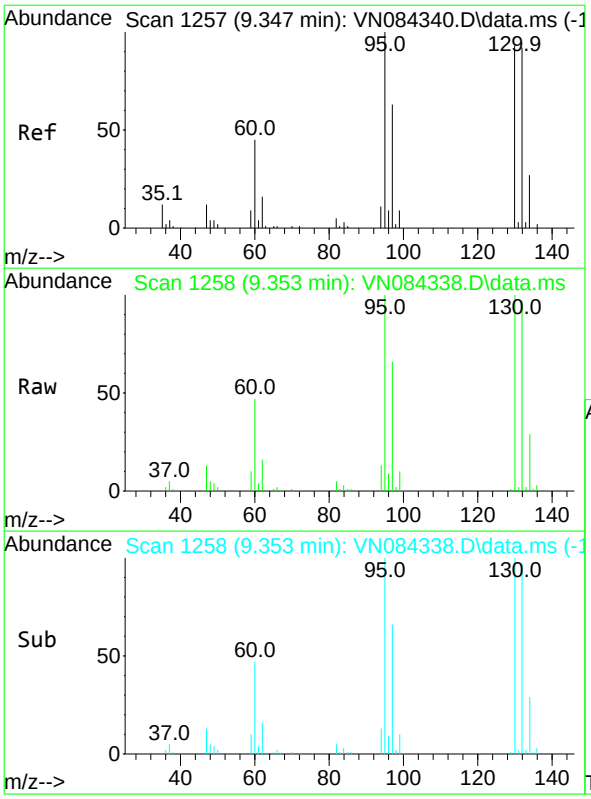


#36
1,2-Dichloroethane
Concen: 98.324 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 62 Resp: 320751

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9

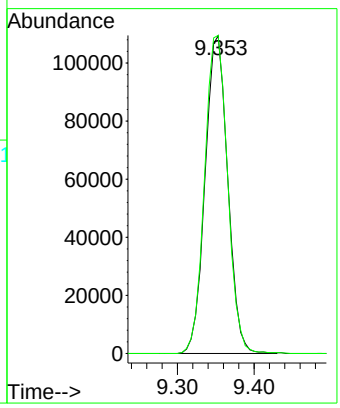




#37
Trichloroethene
Concen: 99.445 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:130 Resp: 224110

Ion	Ratio	Lower	Upper
130	100		
95	100.1	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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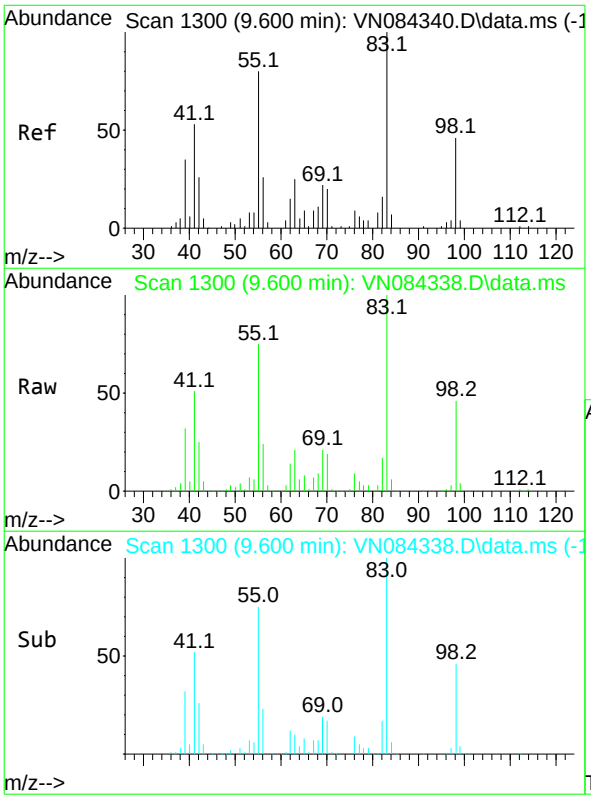
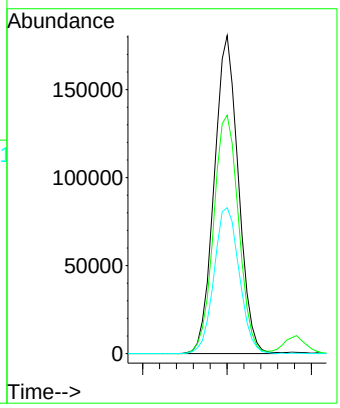
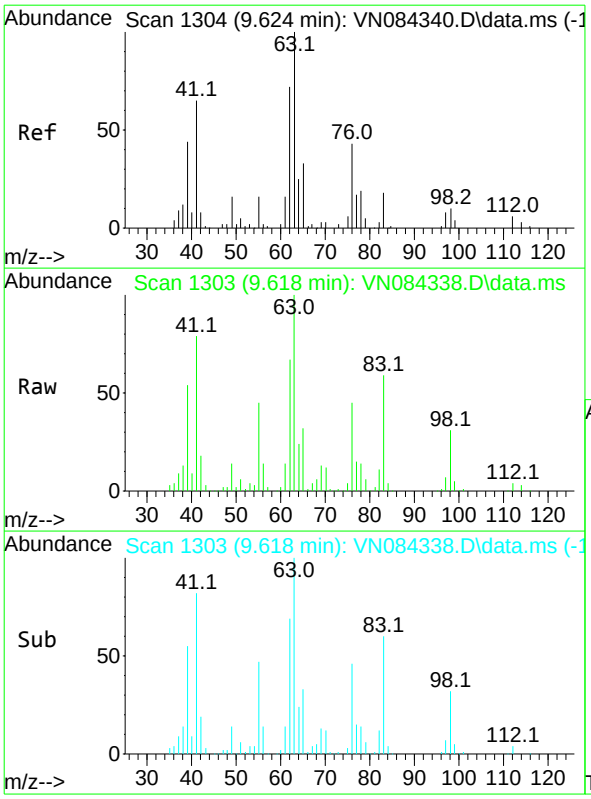


#38
Methylcyclohexane
Concen: 104.567 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 83 Resp: 359108

Ion	Ratio	Lower	Upper
83	100		
55	77.7	39.3	117.8
98	48.0	24.0	72.0

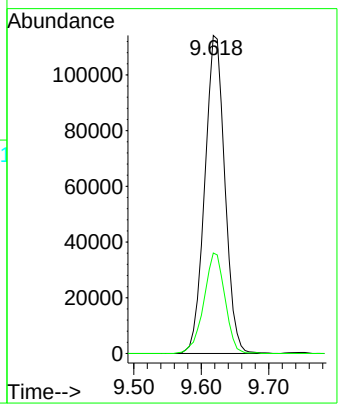




#39
1,2-Dichloropropane
Concen: 98.802 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 63 Resp: 235798

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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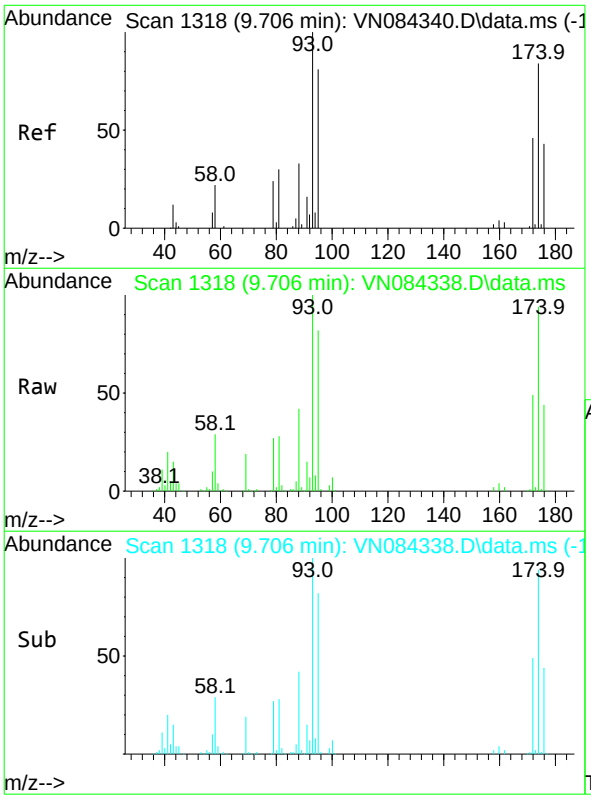
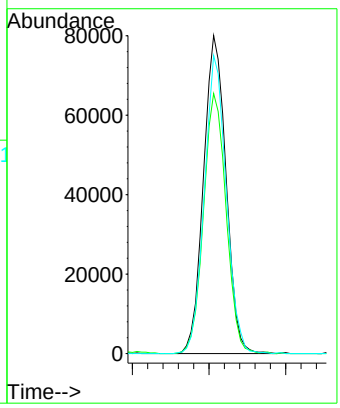
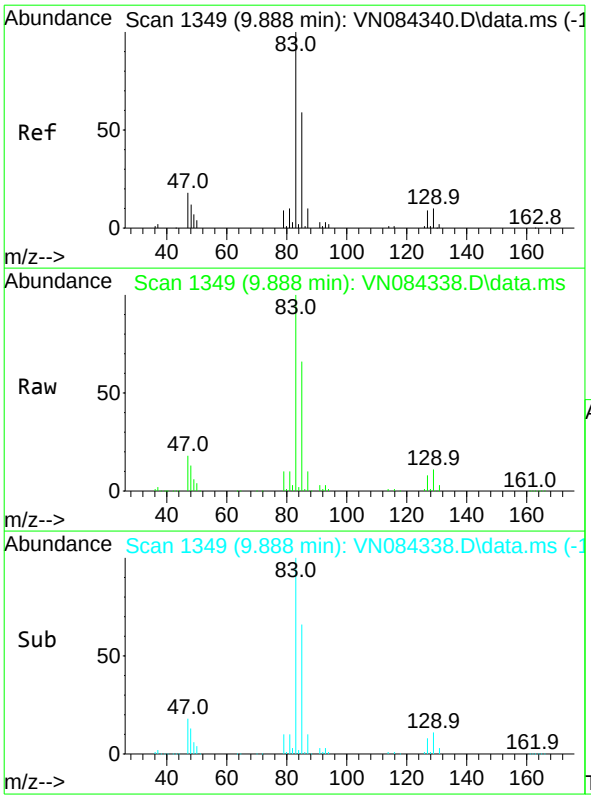


#40
Dibromomethane
Concen: 97.960 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 93 Resp: 163396

Ion	Ratio	Lower	Upper
93	100		
95	81.8	0.0	171.4
174	91.3	0.0	183.0

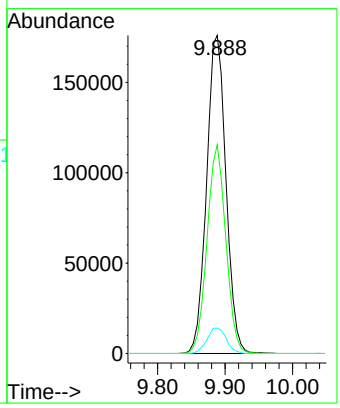




#41
Bromodichloromethane
Concen: 99.048 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 83 Resp: 350730

Ion	Ratio	Lower	Upper
83	100		
85	65.6	47.1	70.7
127	8.0	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
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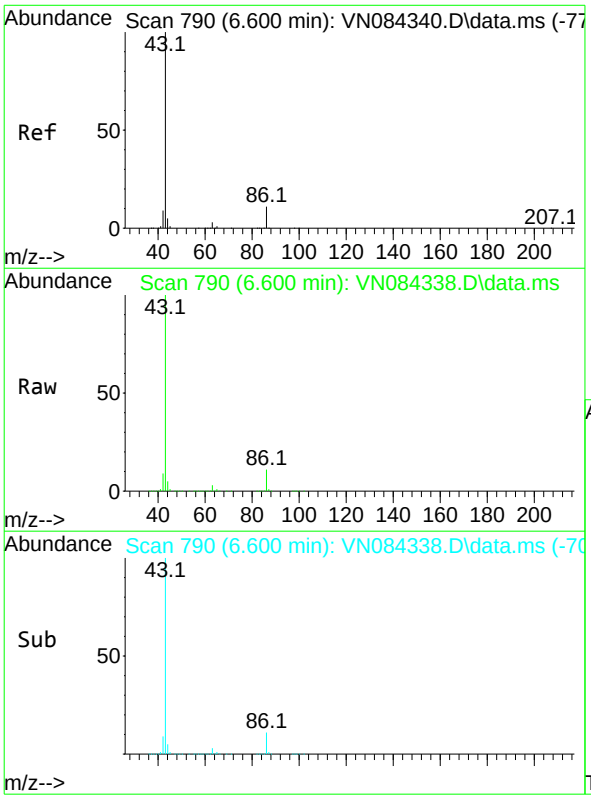
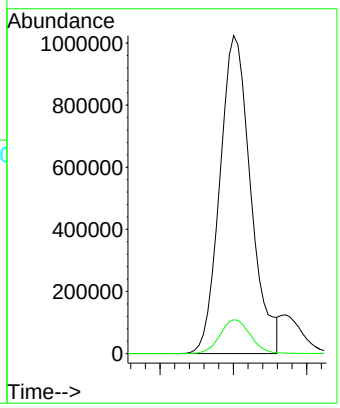
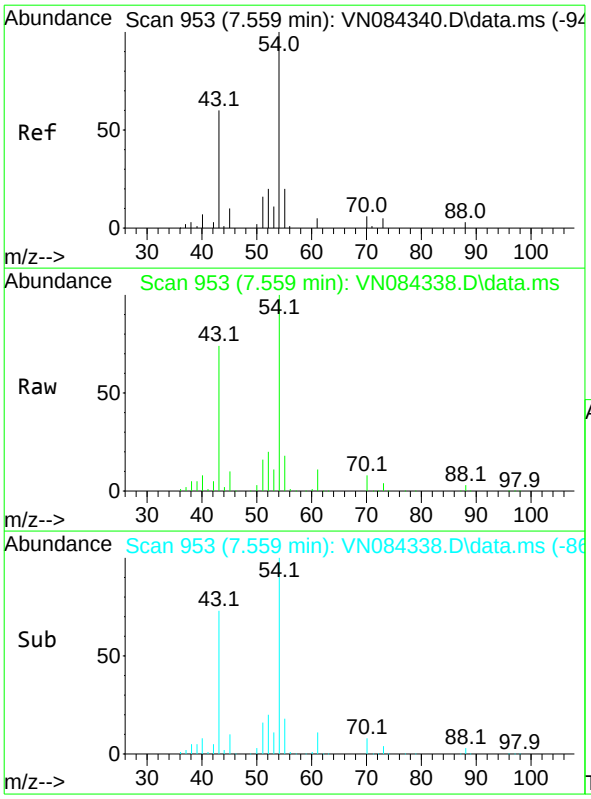


#42
Vinyl Acetate
Concen: 517.998 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 2998867

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7





#43
Ethyl Acetate
Concen: 102.827 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 337577

Ion	Ratio	Lower	Upper
43	100		
45	14.6	10.6	16.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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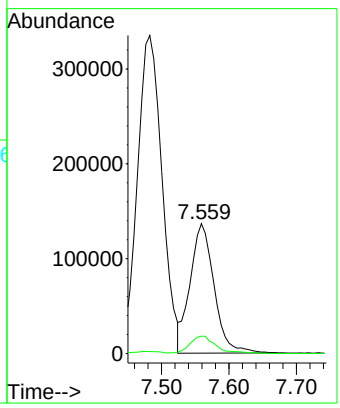
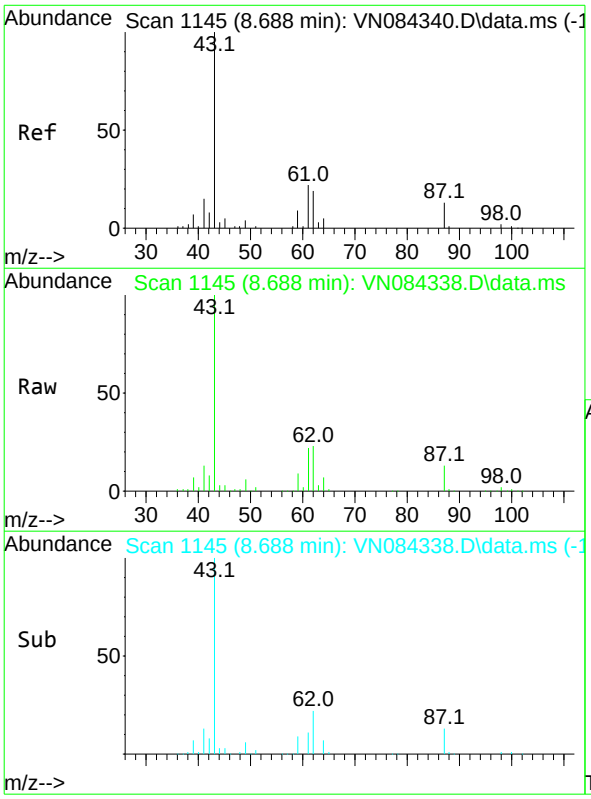
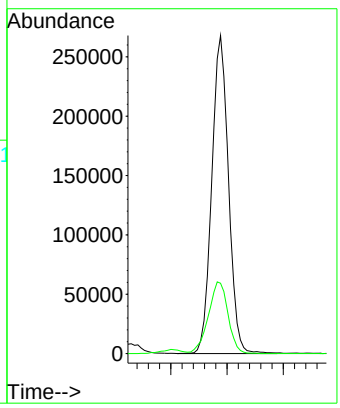


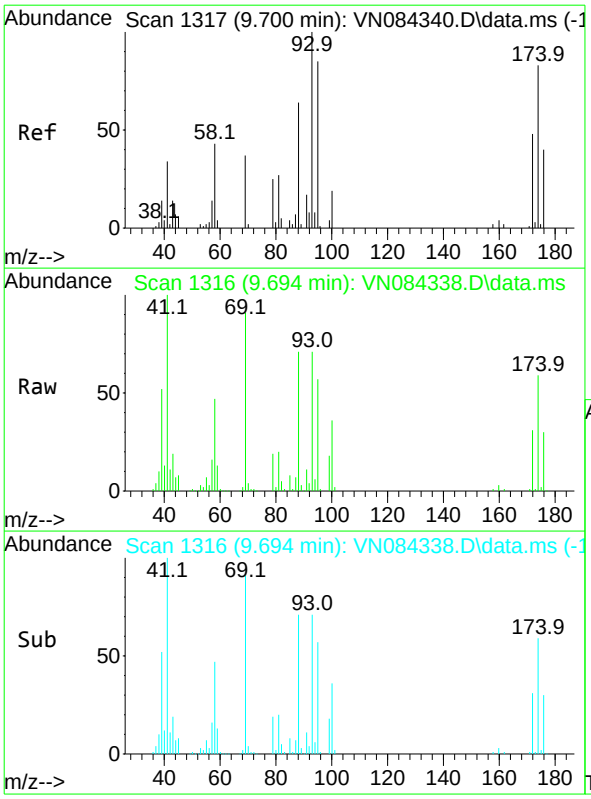


#44
Isopropyl Acetate
Concen: 103.059 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 553772

Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.4	32.2

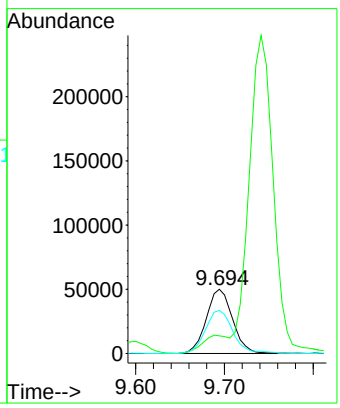




#45
1,4-Dioxane
Concen: 2116.681 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 88 Resp: 102529

Ion	Ratio	Lower	Upper
88	100		
43	29.0	22.4	33.6
58	68.9	59.7	89.5



Instrument :
MSVOA_N
ClientSampleId :
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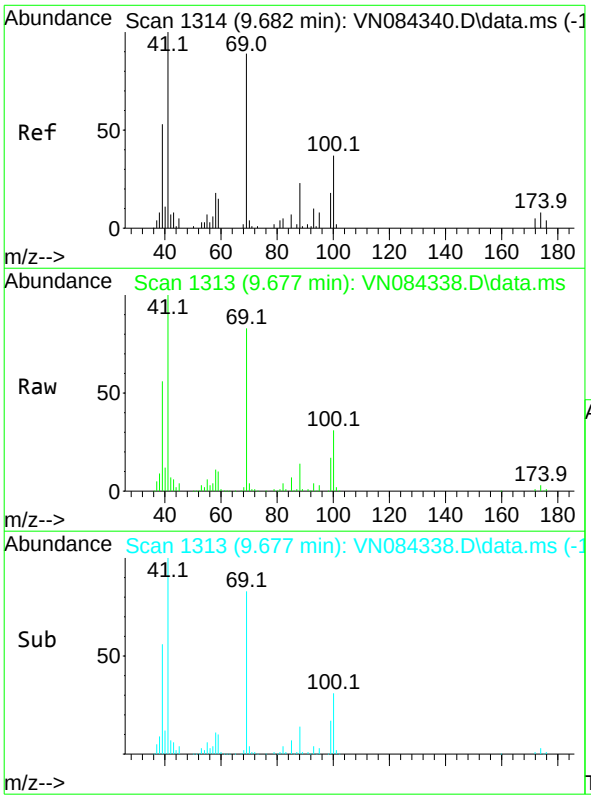
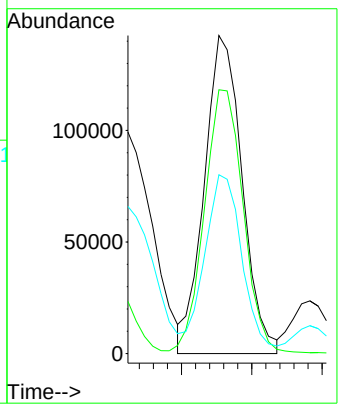
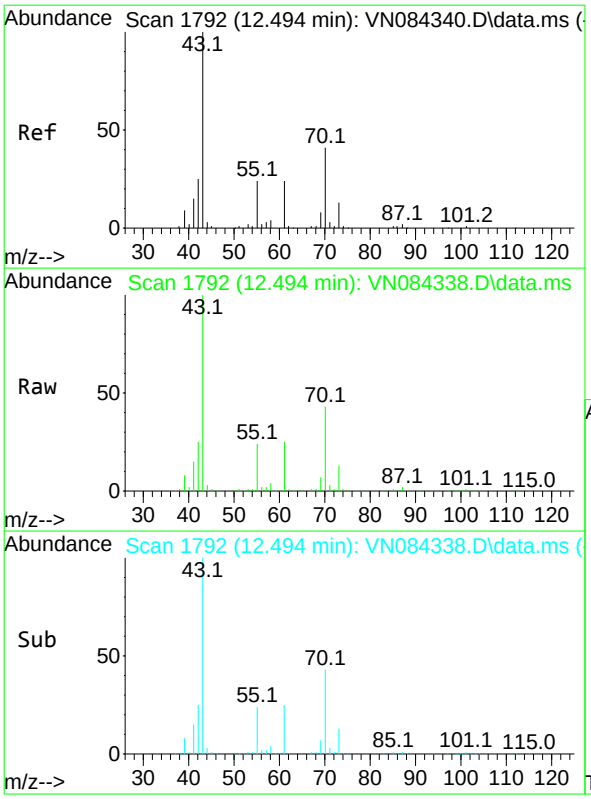


#46
Methyl methacrylate
Concen: 102.653 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 41 Resp: 266510

Ion	Ratio	Lower	Upper
41	100		
69	85.3	42.6	128.0
39	56.3	27.5	82.4

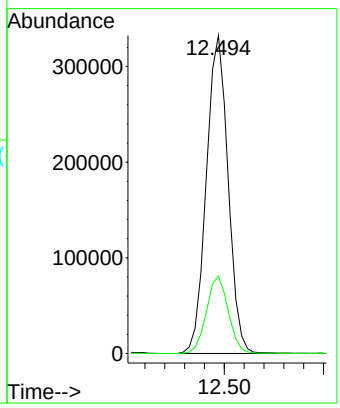




#47
n-amyl Acetate
Concen: 105.767 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 505509

Ion	Ratio	Lower	Upper
43	100		
55	24.4	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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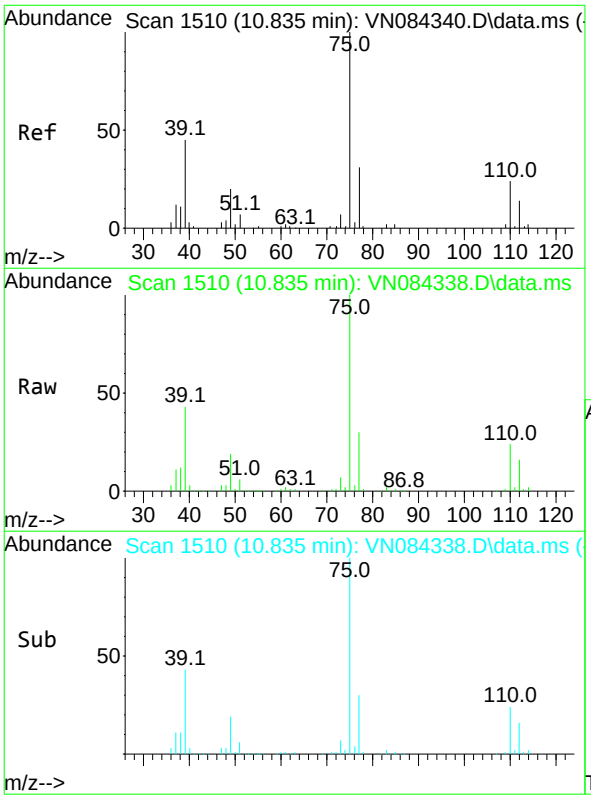
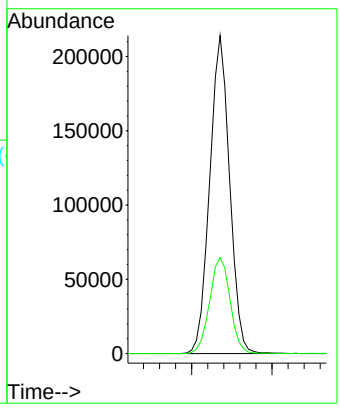
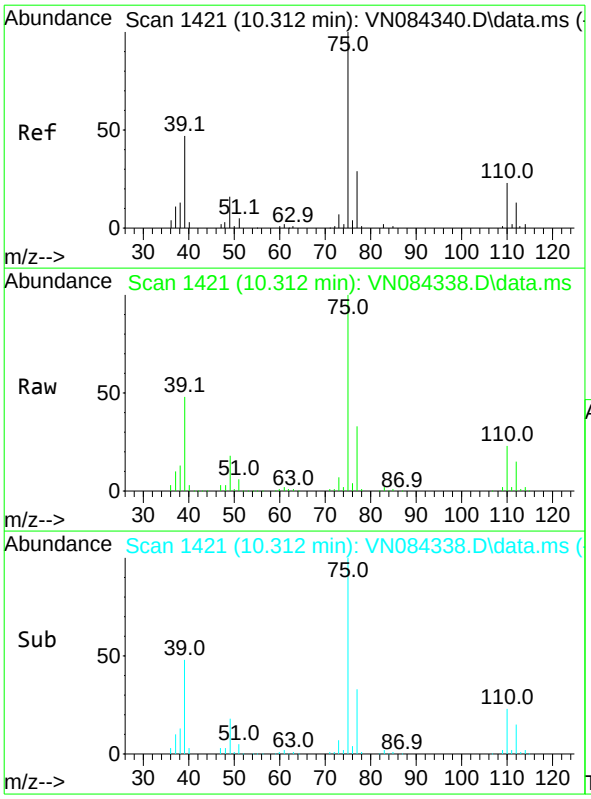


#48
t-1,3-Dichloropropene
Concen: 100.723 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 368556

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.6	37.0

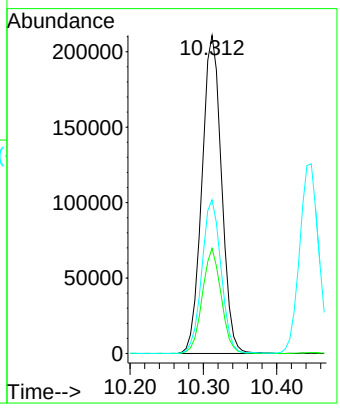




#49
cis-1,3-Dichloropropene
Concen: 102.004 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 391167

Ion	Ratio	Lower	Upper
75	100		
77	33.1	22.9	34.3
39	48.3	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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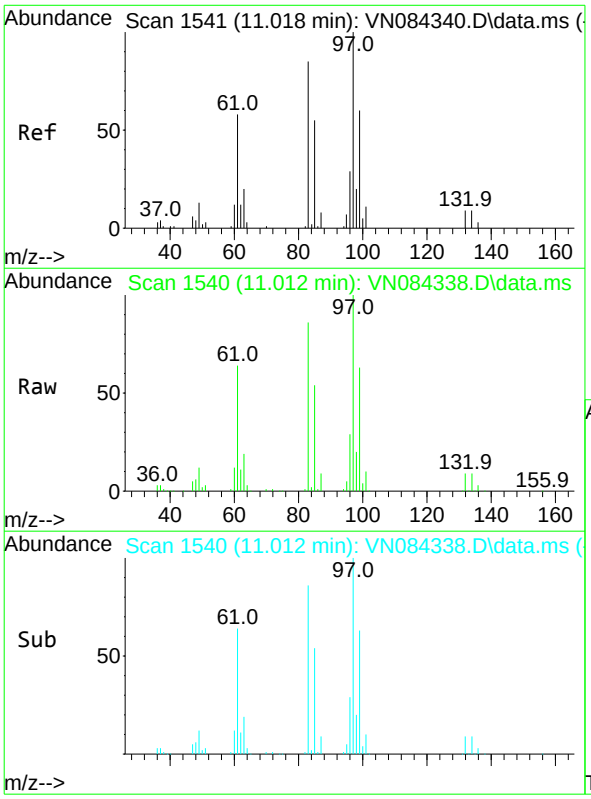
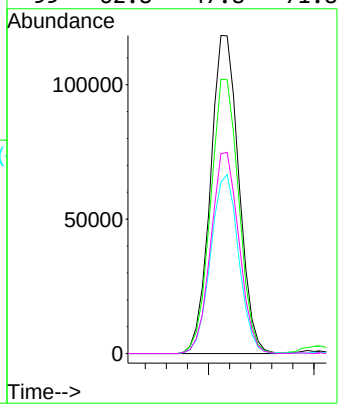
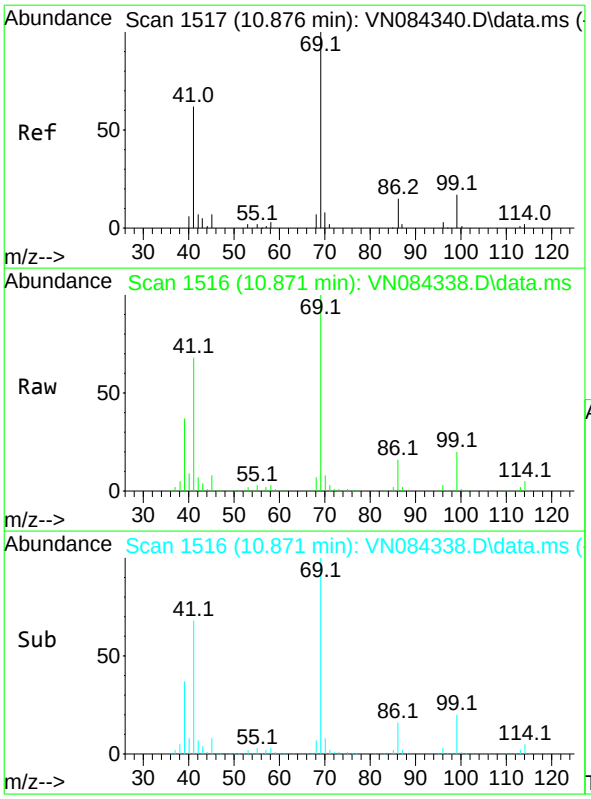


#50
1,1,2-Trichloroethane
Concen: 98.758 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 97 Resp: 221414

Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.8	101.8
85	53.9	44.2	66.2
99	62.8	47.8	71.8

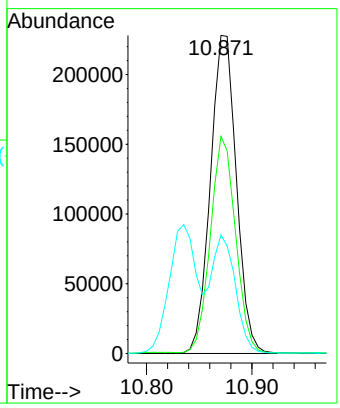




#51
Ethyl methacrylate
Concen: 105.601 ug/l
RT: 10.871 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 69 Resp: 391063

Ion	Ratio	Lower	Upper
69	100		
41	68.0	30.9	92.7
39	37.0	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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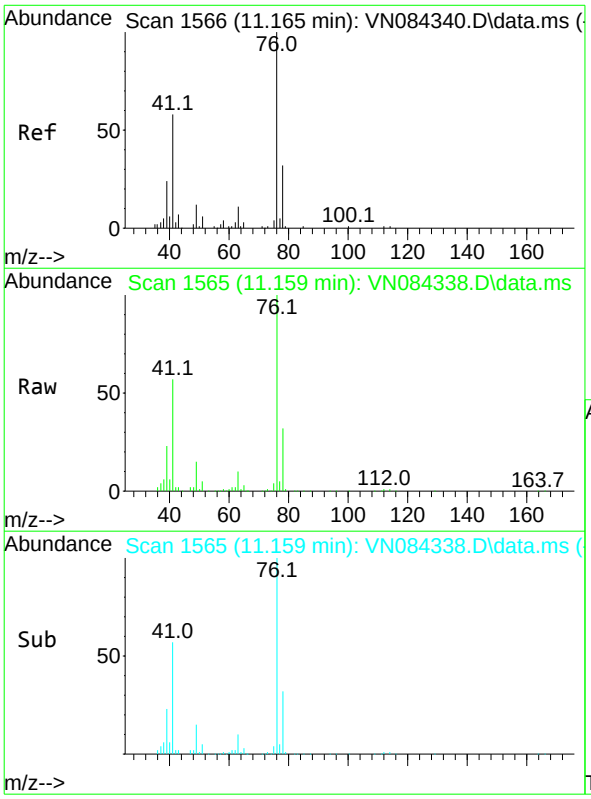
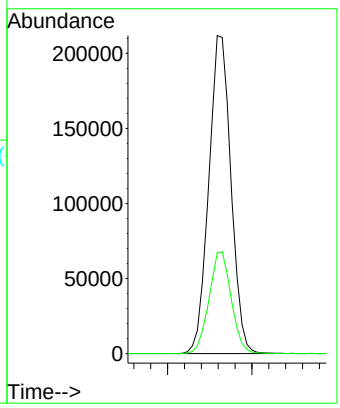
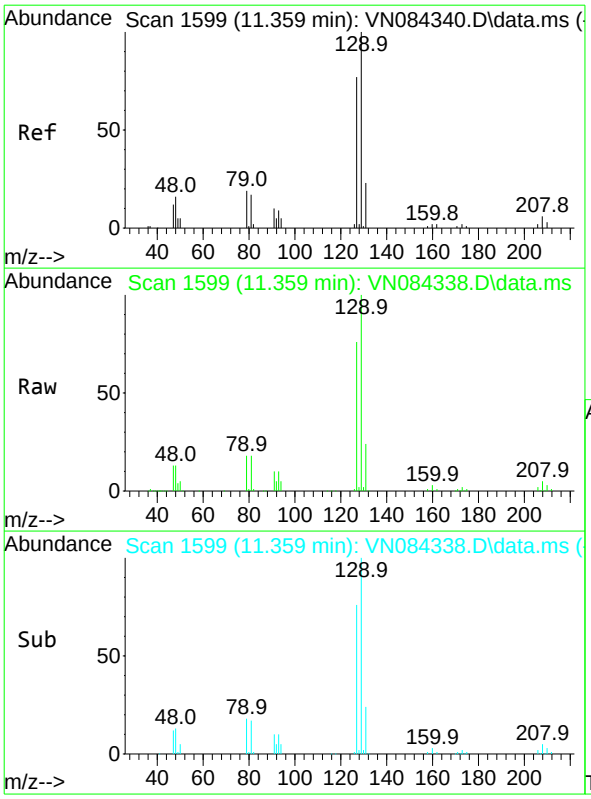


#52
1,3-Dichloropropane
Concen: 98.740 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 76 Resp: 387077

Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.2

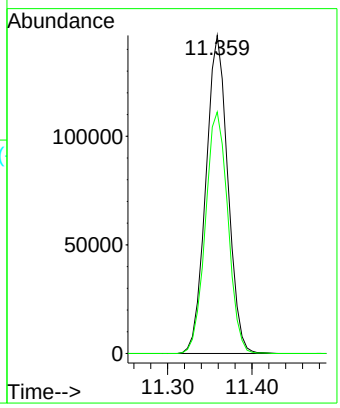




#53
Dibromochloromethane
Concen: 99.925 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:129 Resp: 264647

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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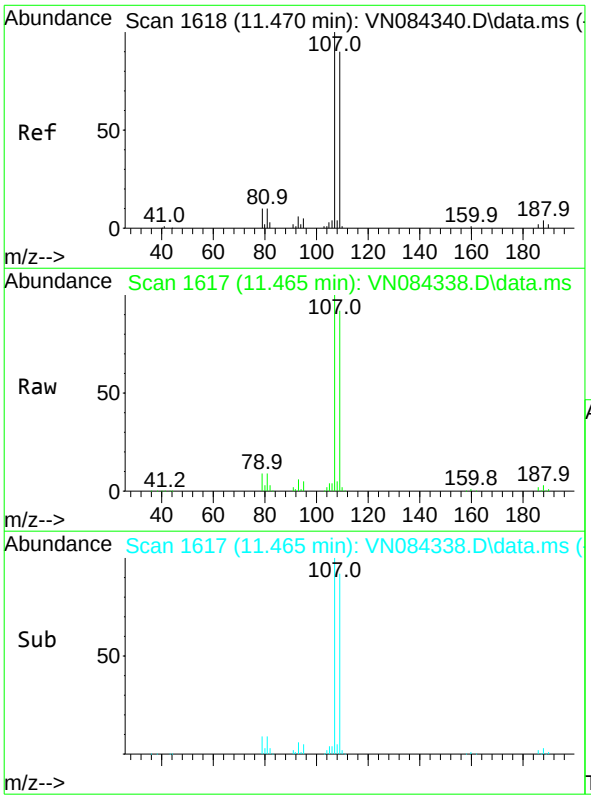
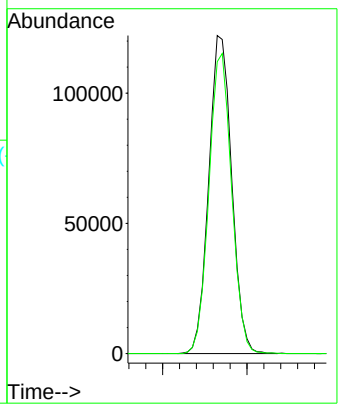
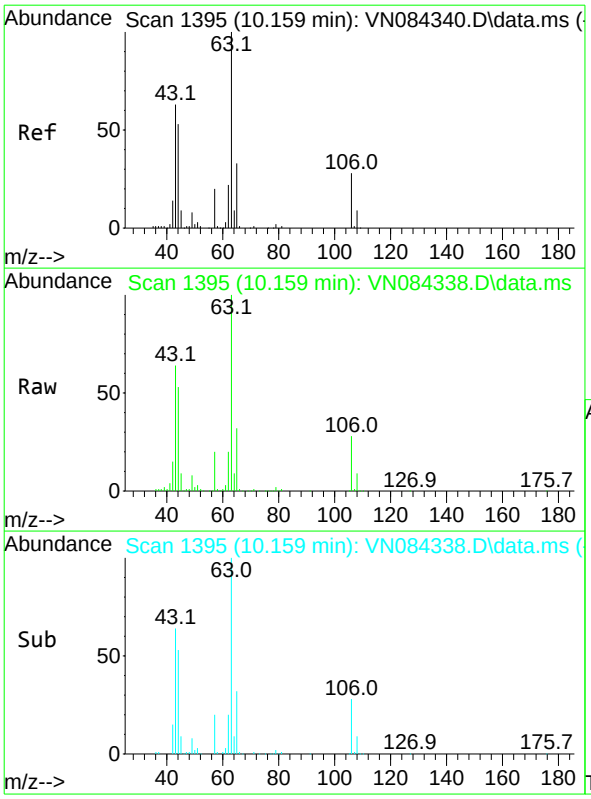


#54
1,2-Dibromoethane
Concen: 99.892 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:107 Resp: 230529

Ion	Ratio	Lower	Upper
107	100		
109	93.4	73.8	110.6

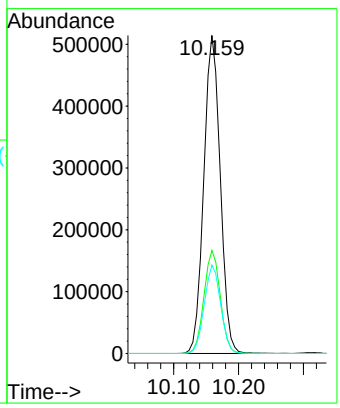




#55
2-Chloroethyl vinyl ether
Concen: 539.636 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 63 Resp: 906371

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.7	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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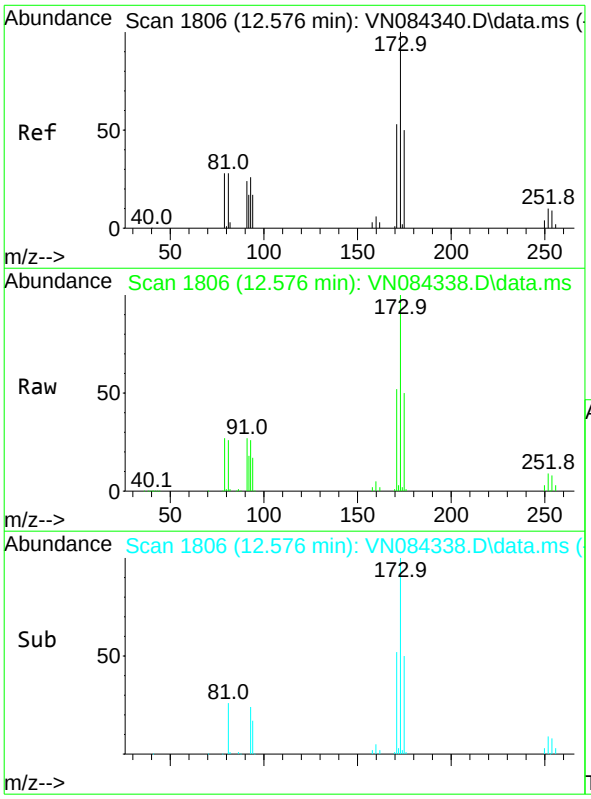
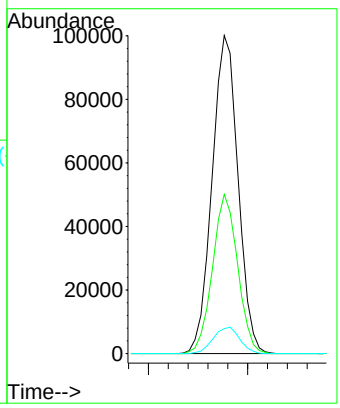
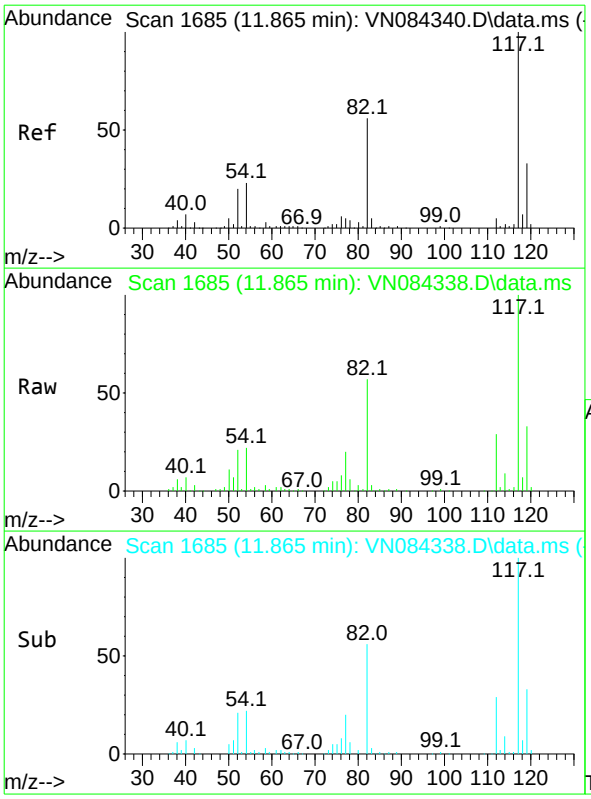


#56
Bromoform
Concen: 103.603 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:173 Resp: 181985

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.4	59.2
254	8.5	6.8	10.2

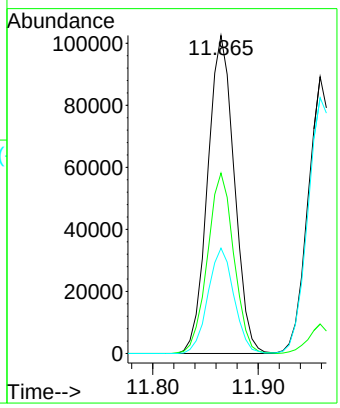




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:117 Resp: 179975

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.2	69.4
119	32.3	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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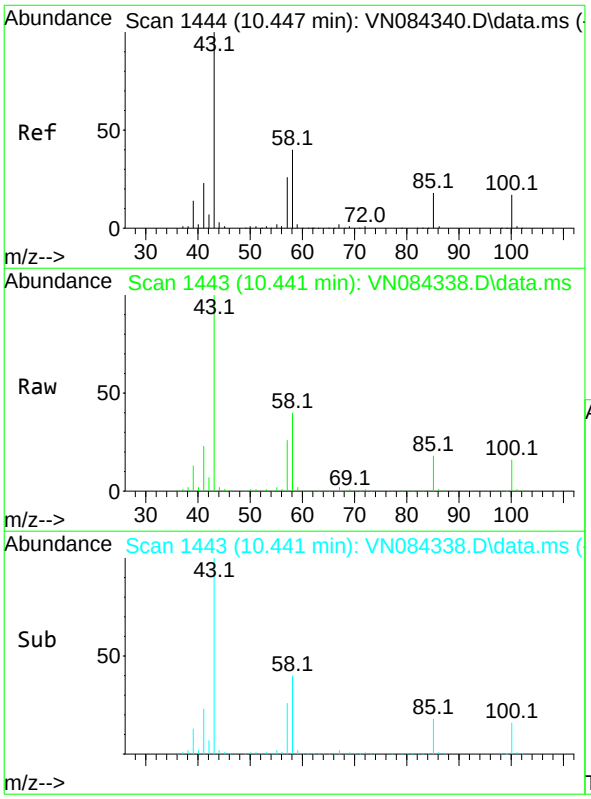
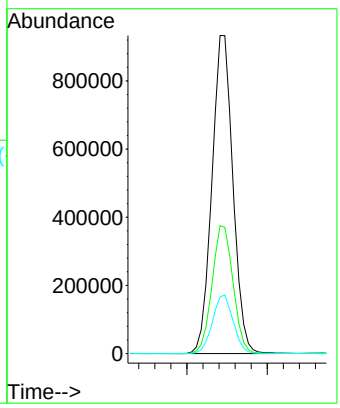
Supervised By :Mahesh Dadoda 10/09/2024

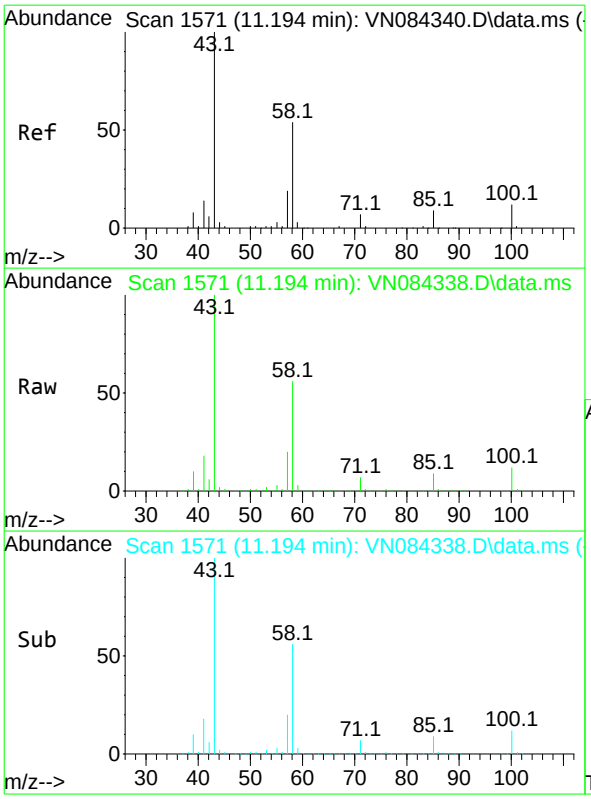


#58
4-Methyl-2-Pentanone
Concen: 505.272 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 1693999

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.9	47.9
85	18.2	14.6	22.0

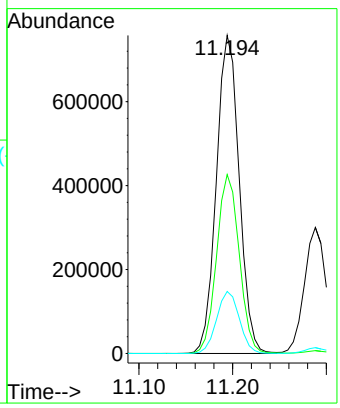




#59
2-Hexanone
Concen: 515.092 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 1283238

Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.0	66.0
57	19.5	15.4	23.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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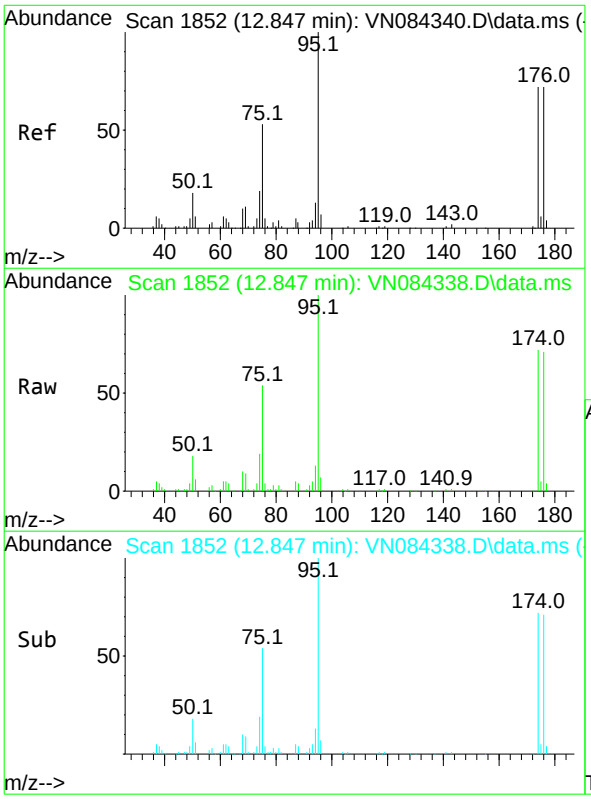
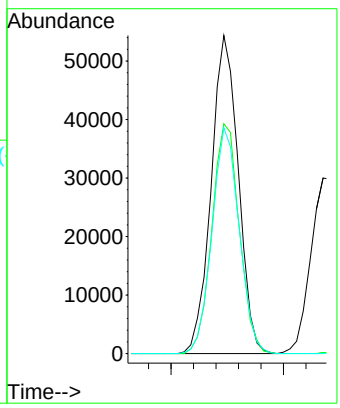
Supervised By :Mahesh Dadoda 10/09/2024

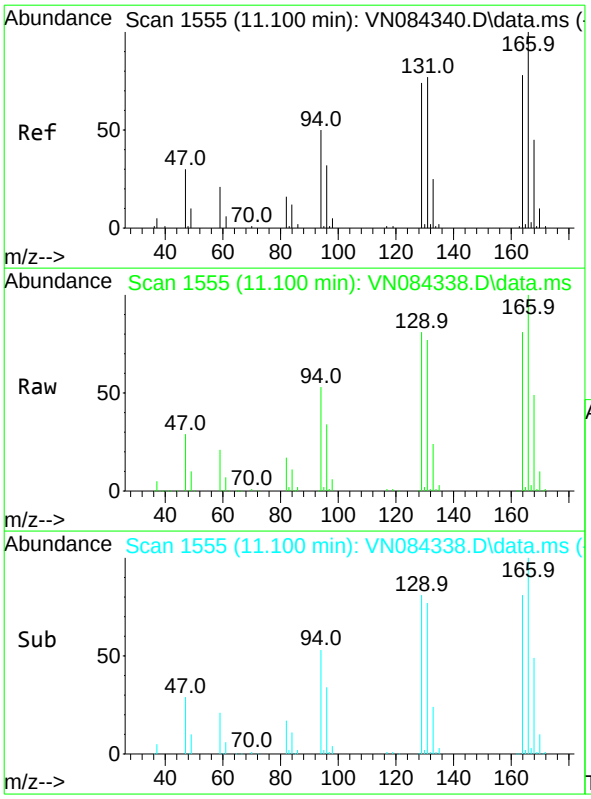


#60
4-Bromofluorobenzene
Concen: 30.664 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 95 Resp: 91083

Ion	Ratio	Lower	Upper
95	100		
174	72.9	58.2	87.2
176	71.2	56.4	84.6

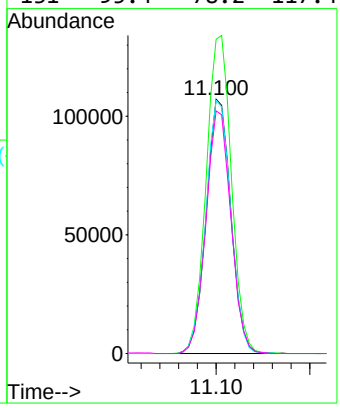




#61
Tetrachloroethene
Concen: 96.610 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:164 Resp: 196676

Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.5	153.7
129	99.5	75.7	113.5
131	95.4	78.2	117.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 10/09/2024
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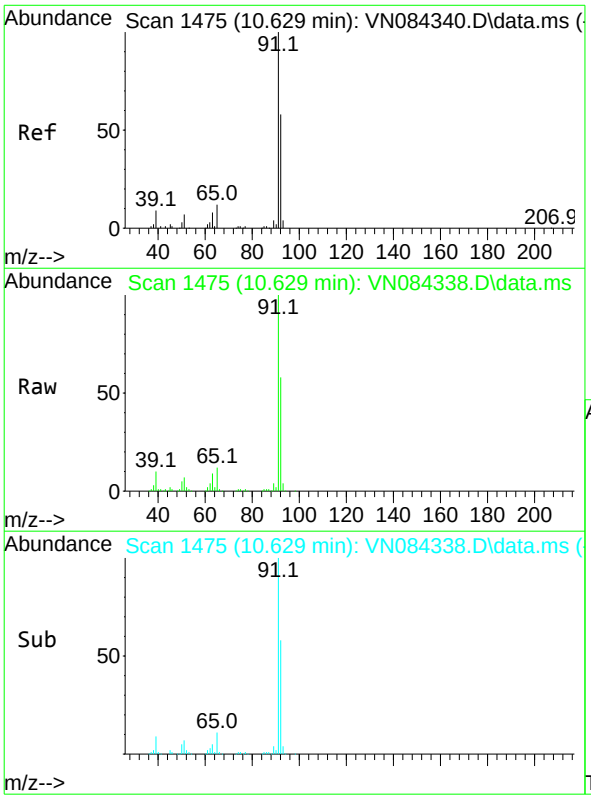
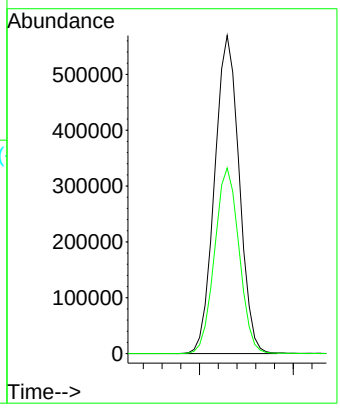
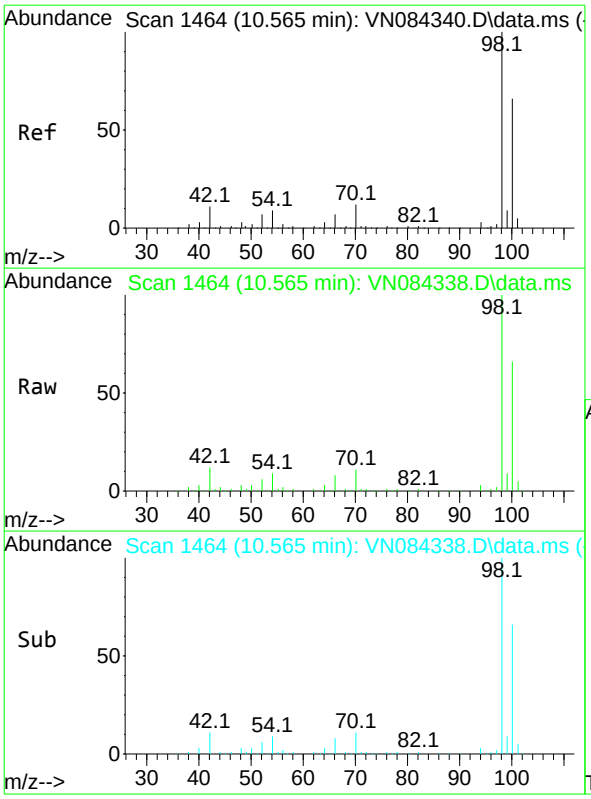


#62
Toluene
Concen: 98.609 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 1038960

Ion	Ratio	Lower	Upper
91	100		
92	58.1	47.2	70.8

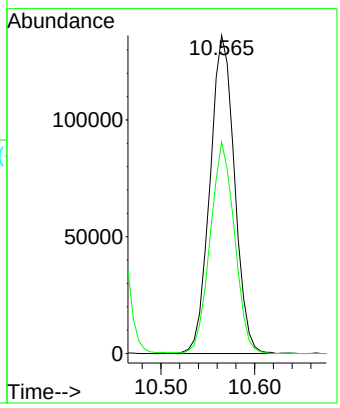




#63
Toluene-d8
Concen: 29.656 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 98 Resp: 247263

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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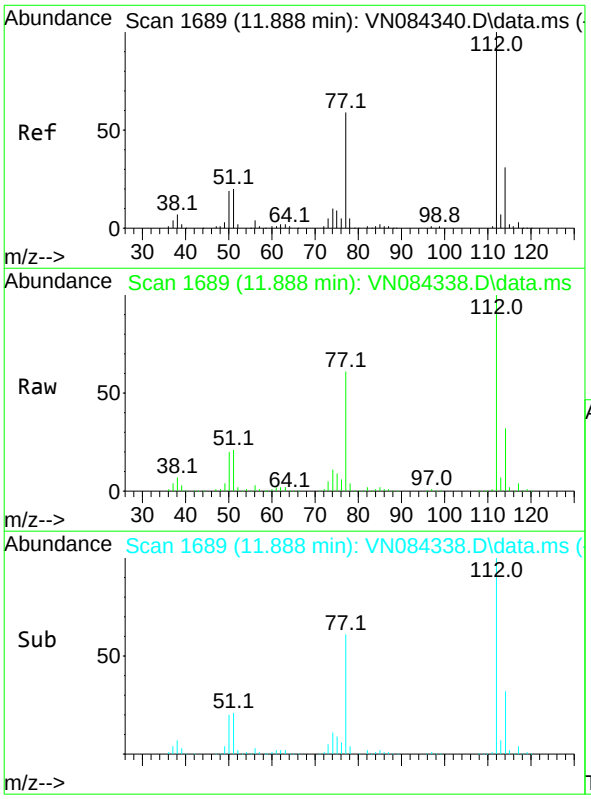
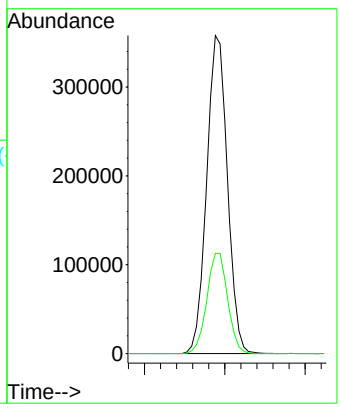
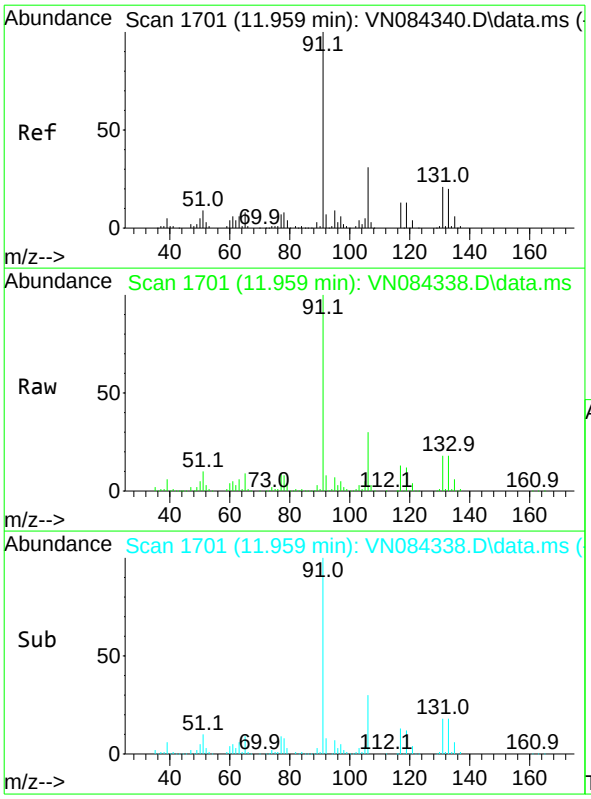


#64
Chlorobenzene
Concen: 97.777 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:112 Resp: 641078

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

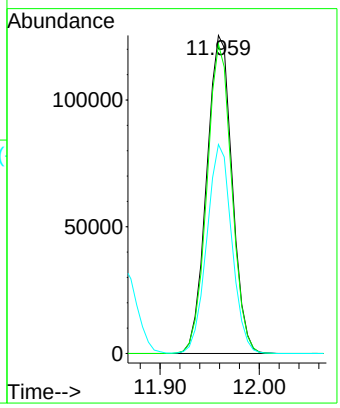




#65
1,1,1,2-Tetrachloroethane
Concen: 98.384 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:131 Resp: 224096

Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	190.4
119	64.5	0.0	130.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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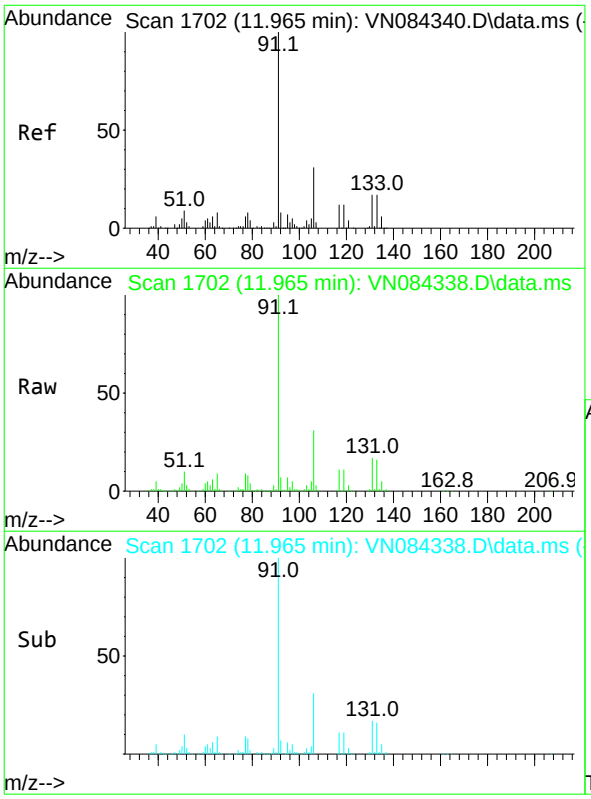
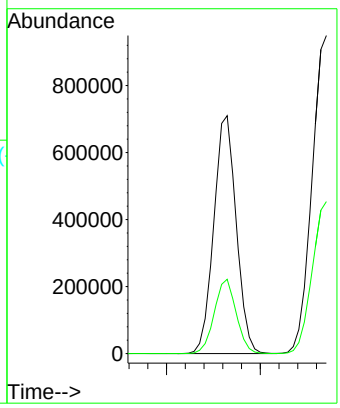
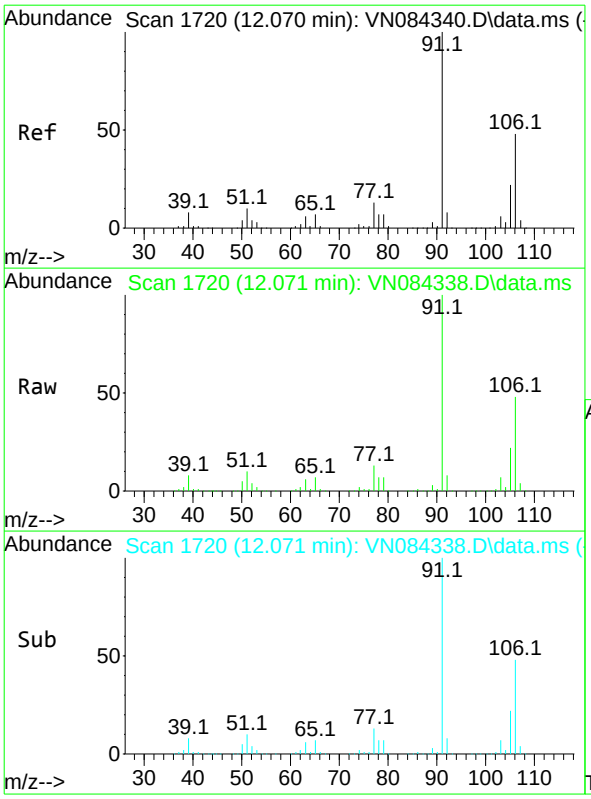


#66
Ethyl Benzene
Concen: 103.195 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 1181271

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.2	37.8

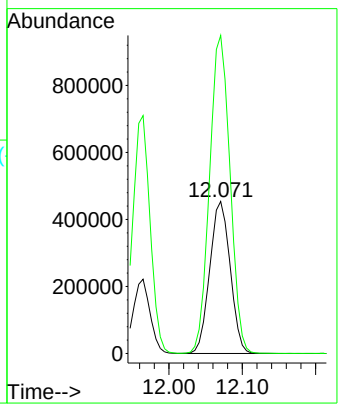




#67
m/p-Xylenes
Concen: 202.285 ug/l
RT: 12.071 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:106 Resp: 878405

Ion	Ratio	Lower	Upper
106	100		
91	209.9	166.7	250.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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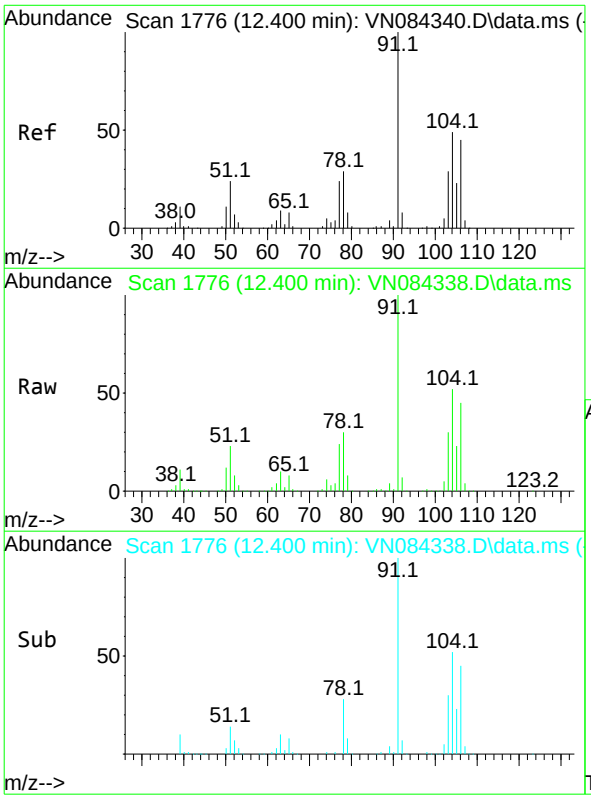
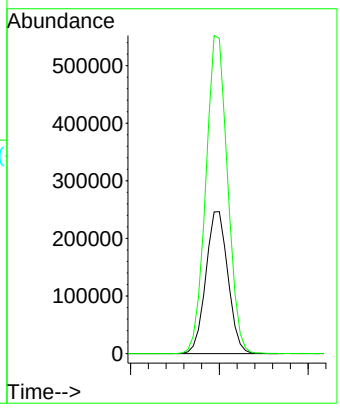
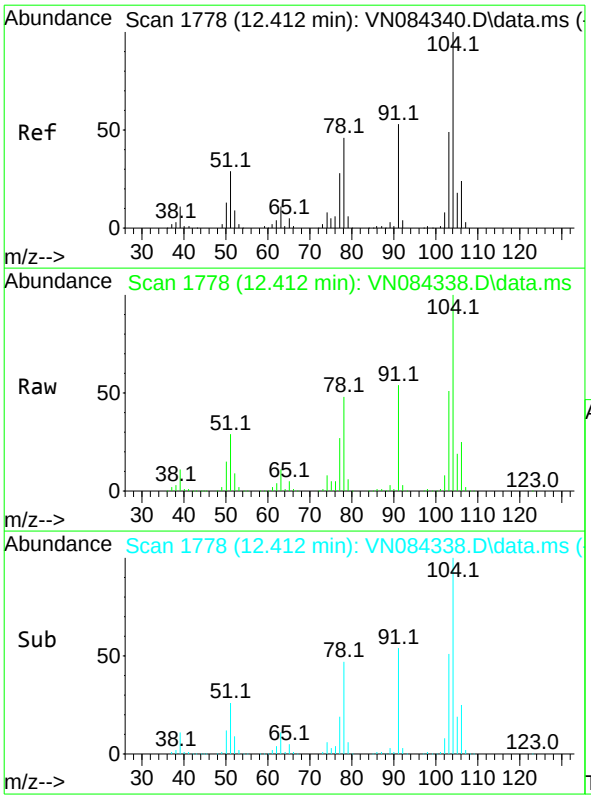


#68
o-Xylene
Concen: 101.792 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:106 Resp: 426068

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.9	332.9

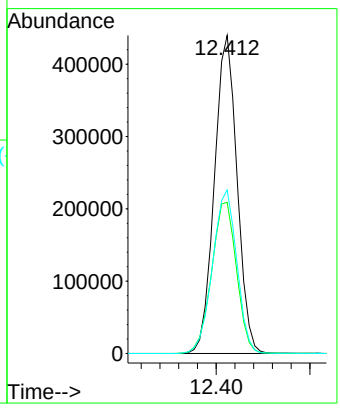




#69
Styrene
Concen: 102.854 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:104 Resp: 739030

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.6	62.4
103	55.0	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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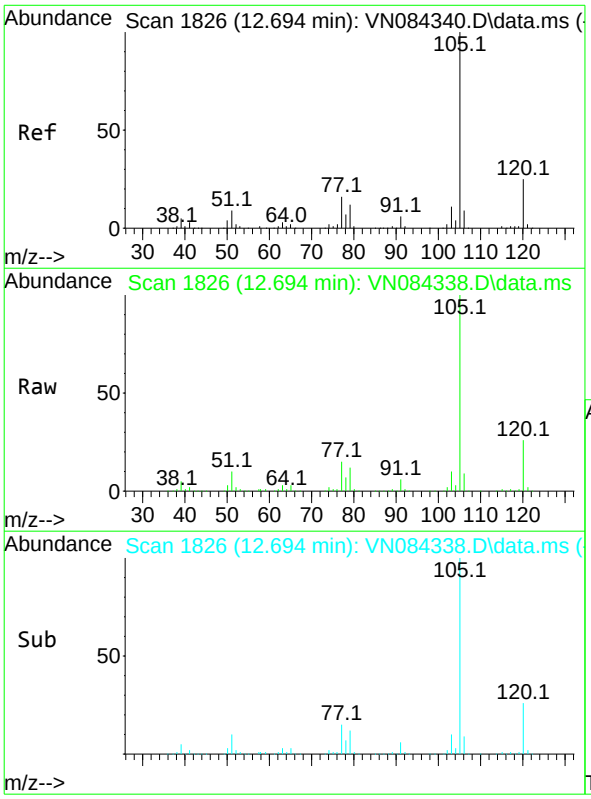
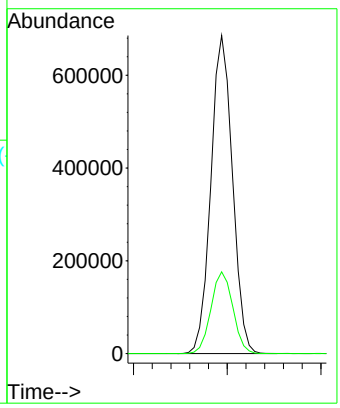
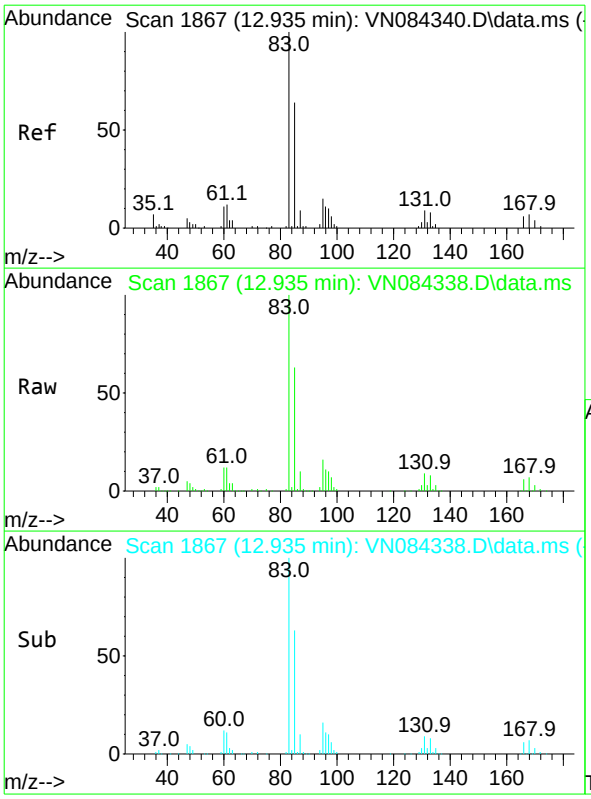


#70
Isopropylbenzene
Concen: 102.602 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 1096352

Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.4	32.4

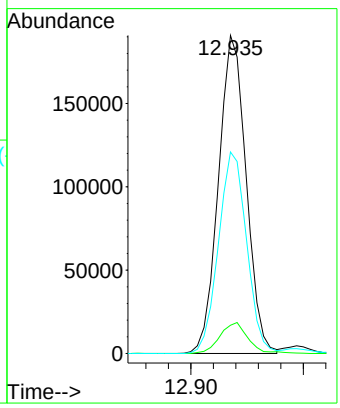




#71
1,1,2,2-Tetrachloroethane
Concen: 98.744 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 83 Resp: 326404

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	64.5	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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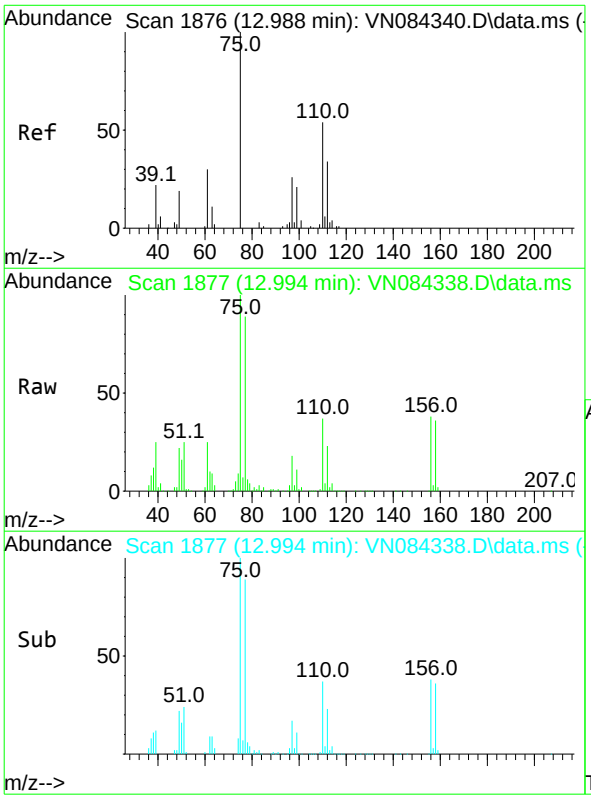
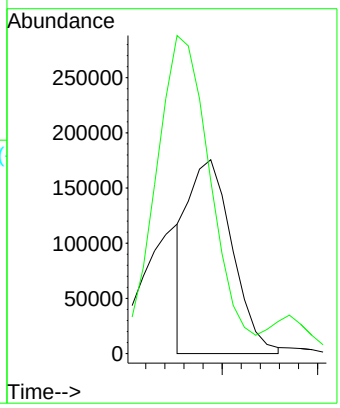
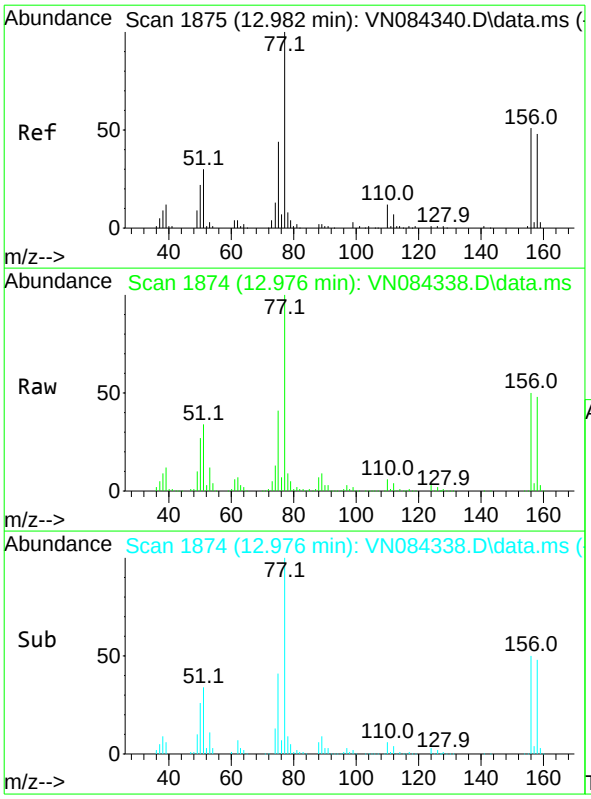


#72
1,2,3-Trichloropropane
Concen: 99.846 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 282274

Ion	Ratio	Lower	Upper
75	100		
77	205.1	0.0	414.0

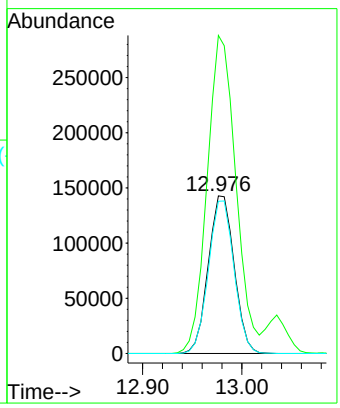




#73
Bromobenzene
Concen: 99.991 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:156 Resp: 258761

Ion	Ratio	Lower	Upper
156	100		
77	223.7	0.0	451.0
158	95.8	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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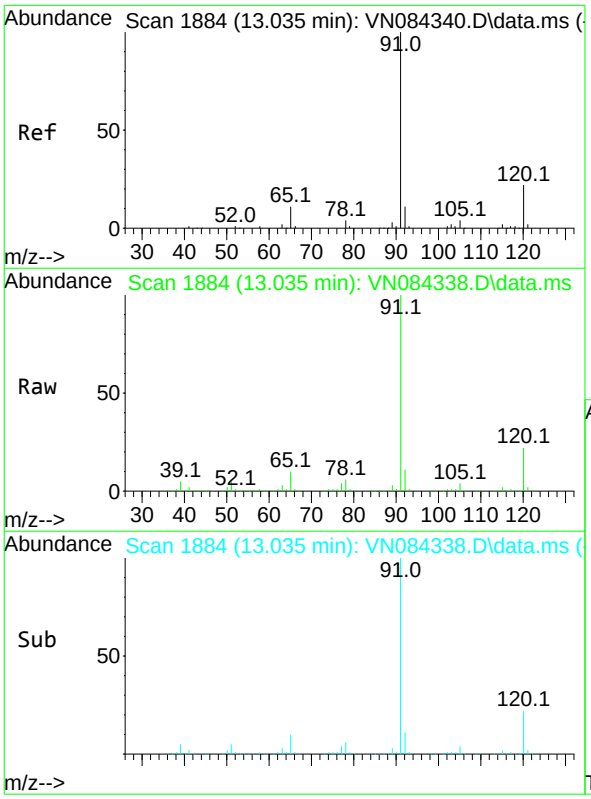
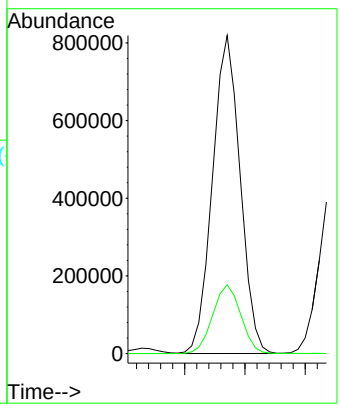
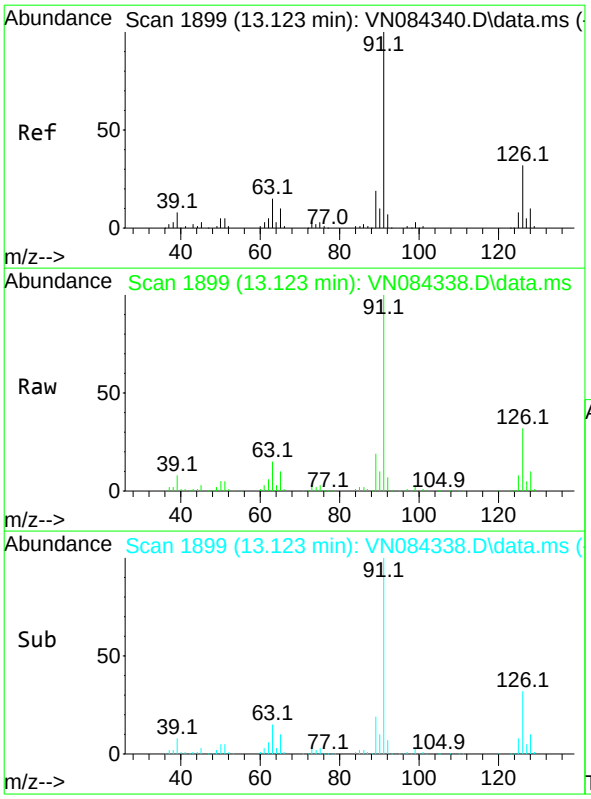


#74
n-propylbenzene
Concen: 102.573 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 1306104

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	43.2

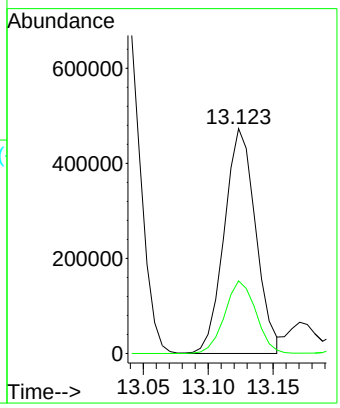




#75
2-Chlorotoluene
Concen: 100.748 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 797168

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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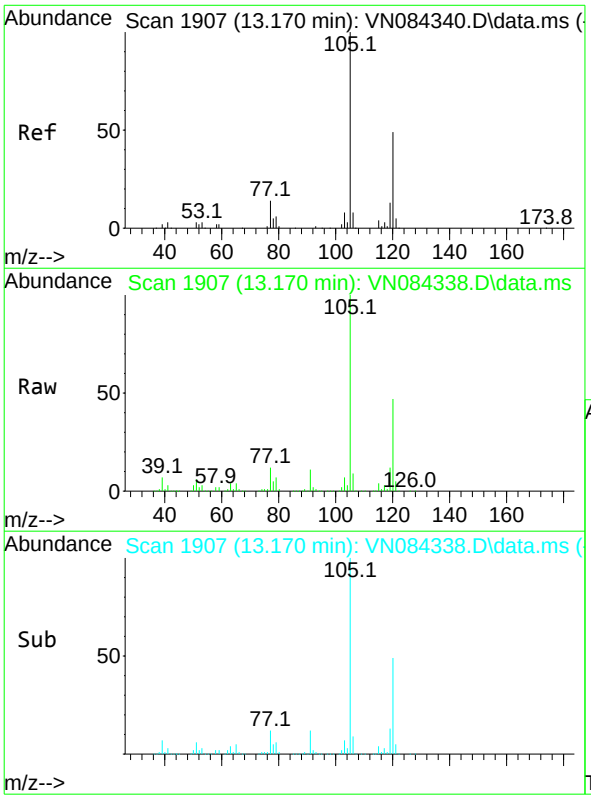
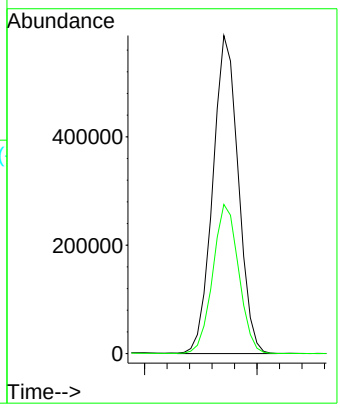
Supervised By :Mahesh Dadoda 10/09/2024

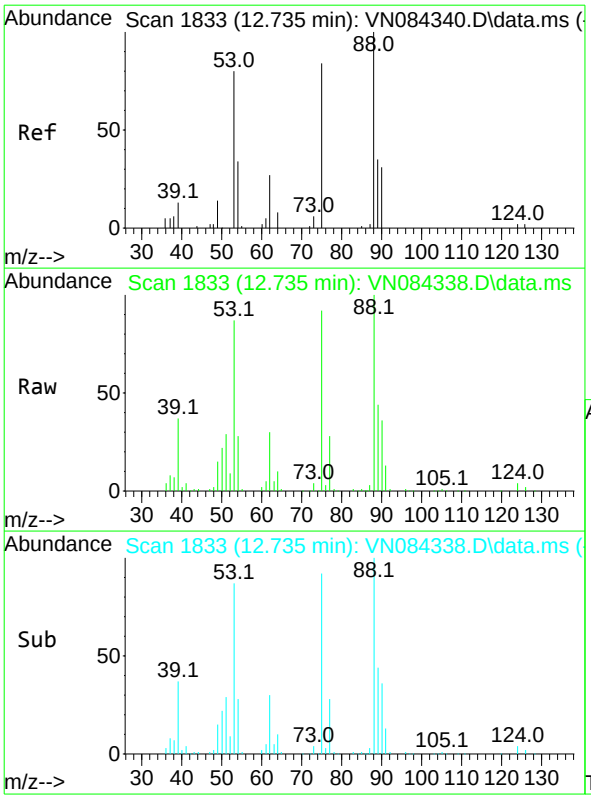


#76
1,3,5-Trimethylbenzene
Concen: 102.861 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 925442

Ion	Ratio	Lower	Upper
105	100		
120	47.6	0.0	94.4

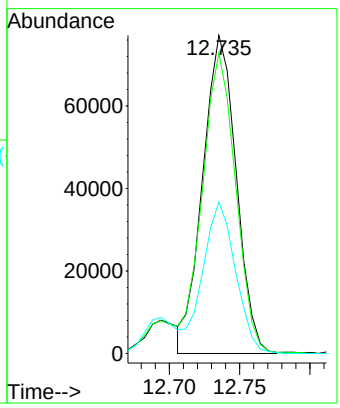




#77
t-1,4-Dichloro-2-butene
Concen: 105.874 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 128080

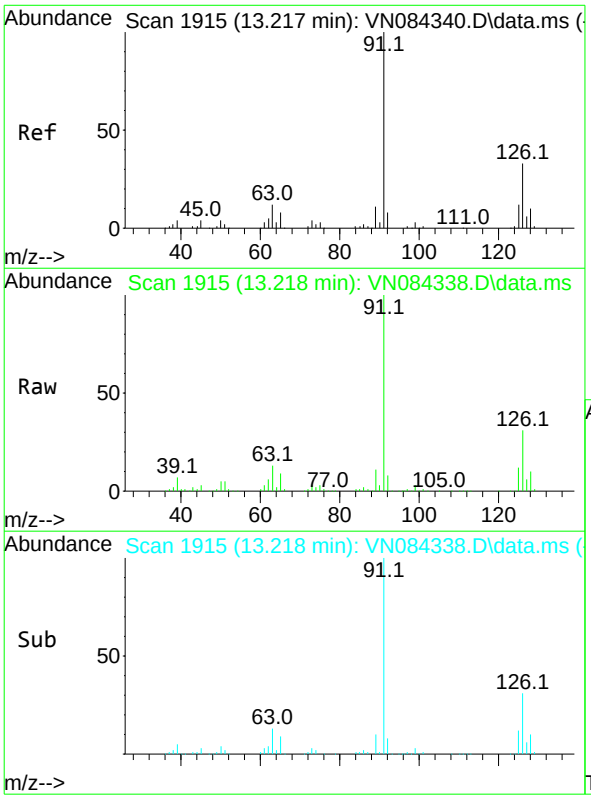
Ion	Ratio	Lower	Upper
75	100		
53	94.4	47.3	142.0
89	47.6	22.9	68.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

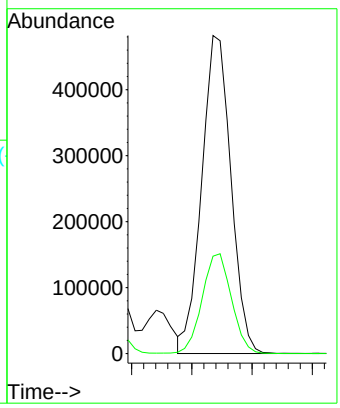
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

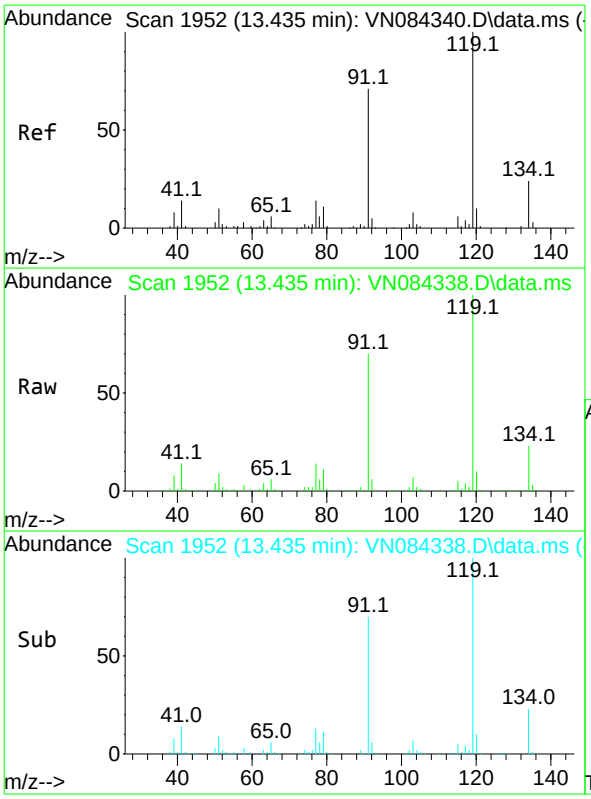


#78
4-Chlorotoluene
Concen: 100.932 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 811956

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.4

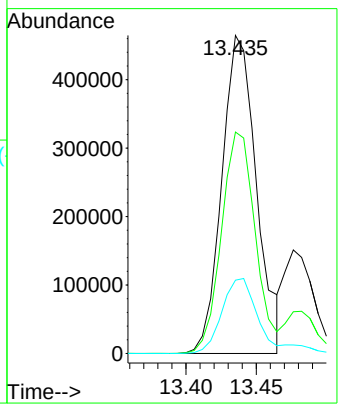




#79
tert-butylbenzene
Concen: 103.950 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:119 Resp: 797890

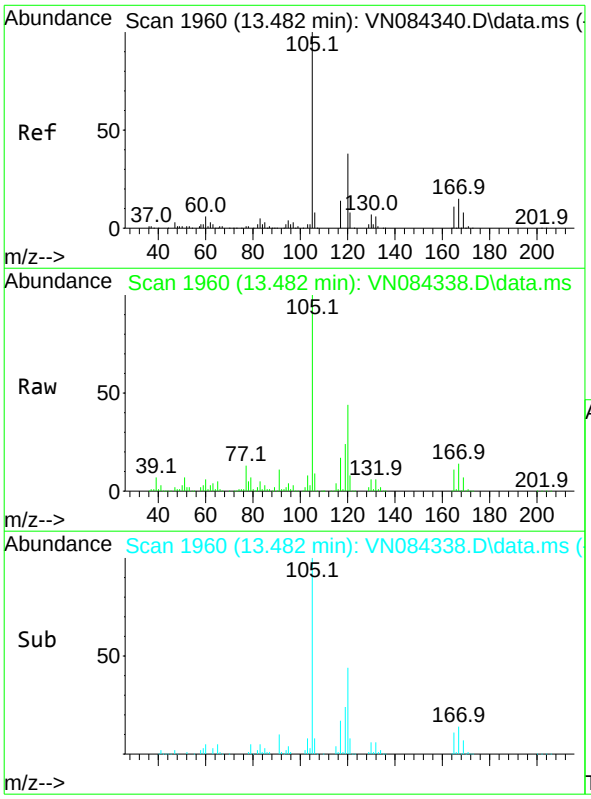
Ion	Ratio	Lower	Upper
119	100		
91	68.0	0.0	138.0
134	23.4	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

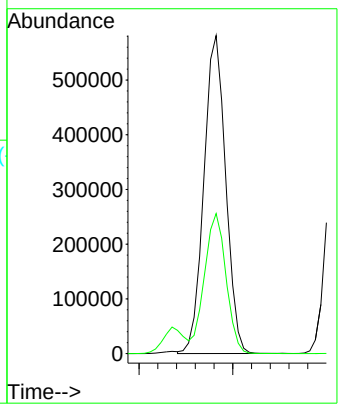
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

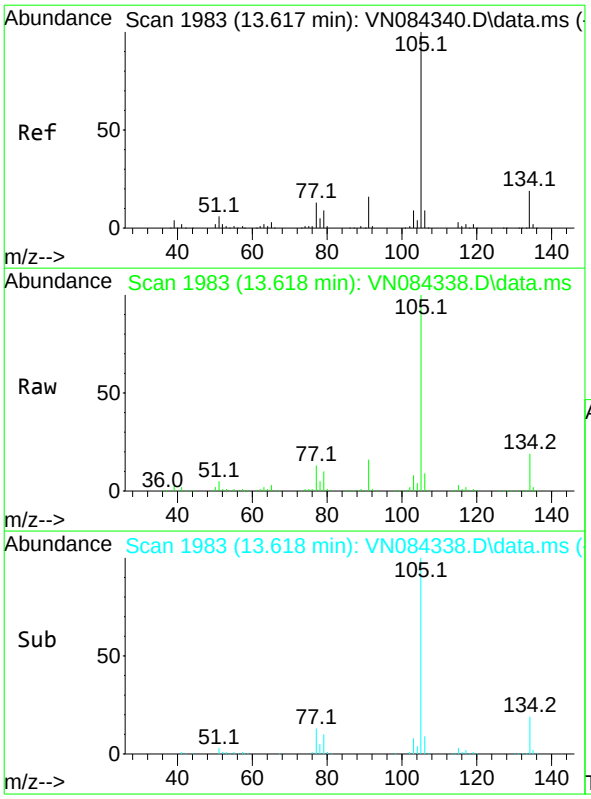


#80
1,2,4-Trimethylbenzene
Concen: 102.973 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 940023

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	88.8

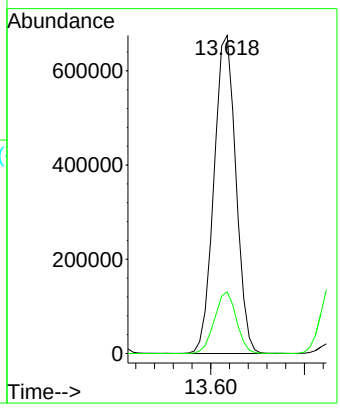




#81
sec-Butylbenzene
Concen: 103.955 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 1098551

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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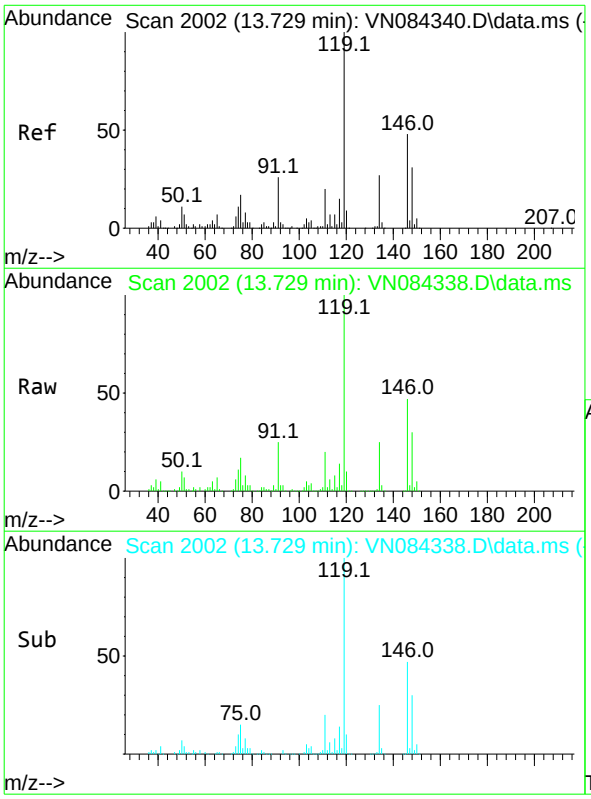
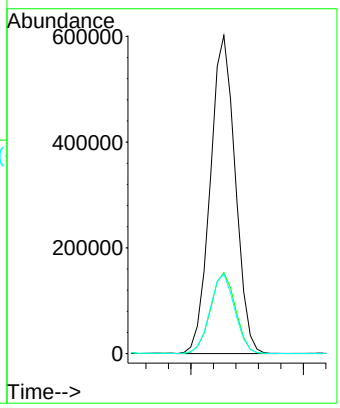
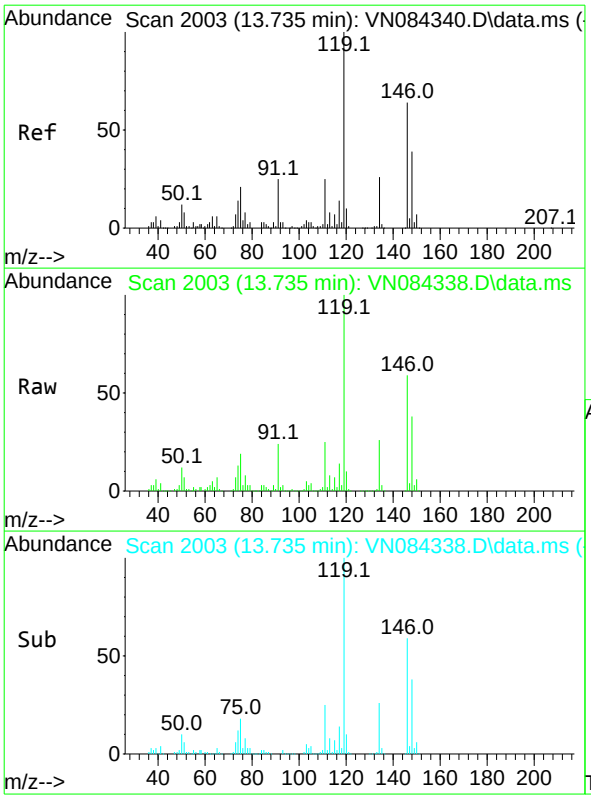


#82
p-Isopropyltoluene
Concen: 104.480 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:119 Resp: 929312

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.2
91	24.8	0.0	50.6

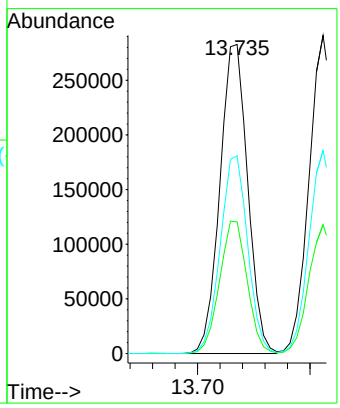




#83
1,3-Dichlorobenzene
Concen: 101.078 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:146 Resp: 486367

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.9
148	63.0	31.6	94.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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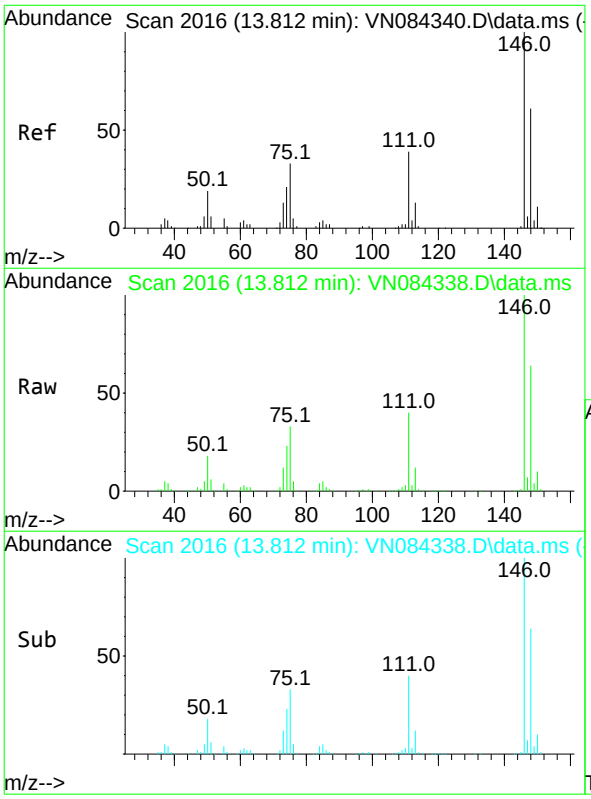
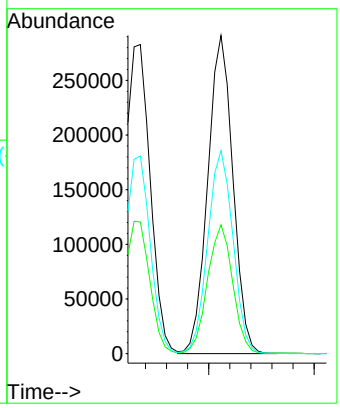
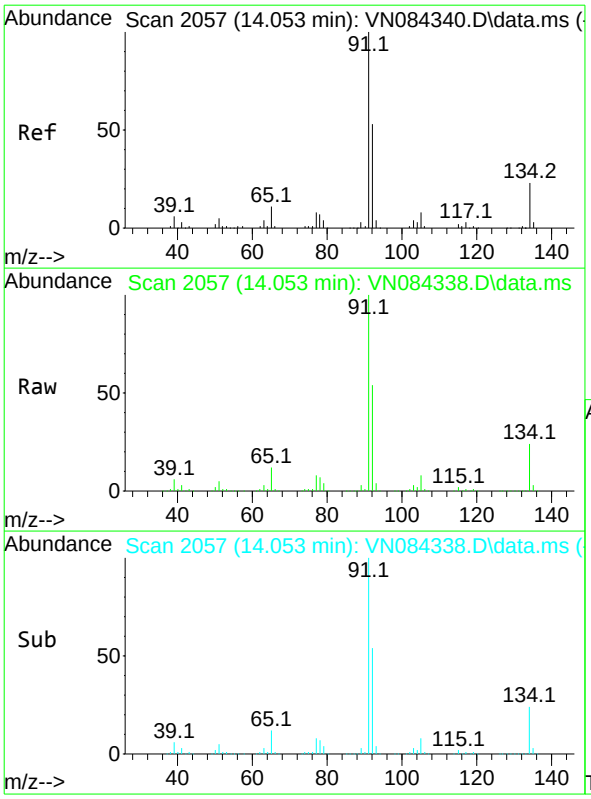


#84
1,4-Dichlorobenzene
Concen: 101.080 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:146 Resp: 482980

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	64.2	32.5	97.4

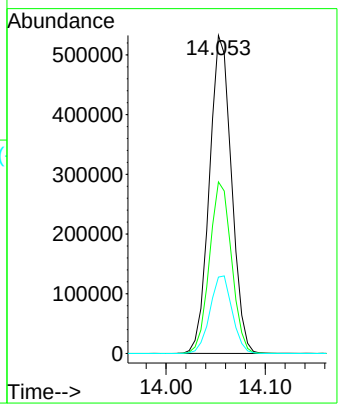




#85
n-Butylbenzene
Concen: 106.755 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 822416

Ion	Ratio	Lower	Upper
91	100		
92	53.9	0.0	103.4
134	24.6	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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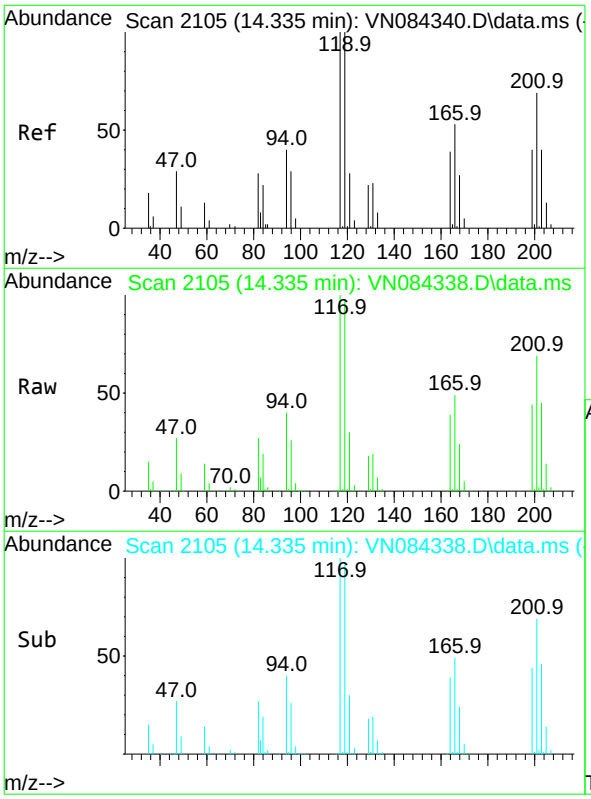
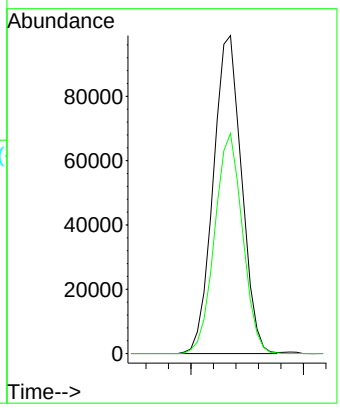
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

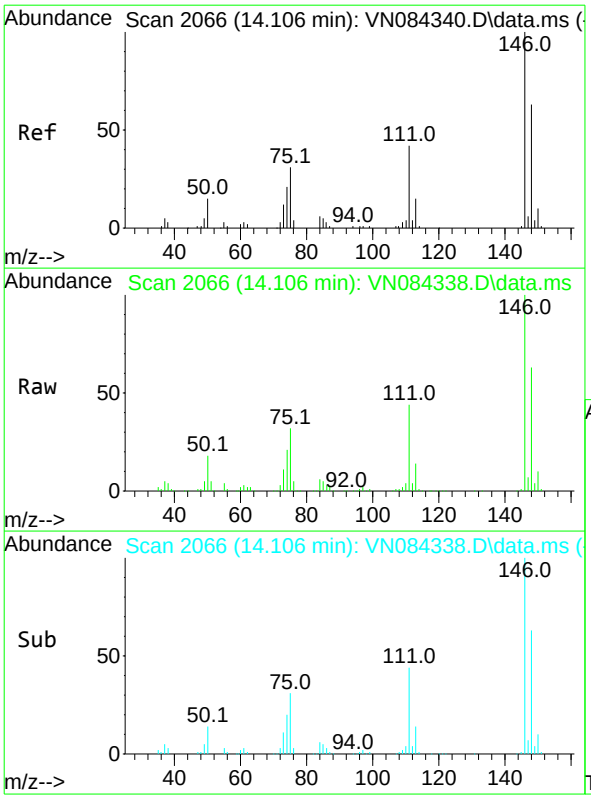


#86
Hexachloroethane
Concen: 101.121 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:117 Resp: 173285

Ion	Ratio	Lower	Upper
117	100		
201	67.9	33.9	101.6

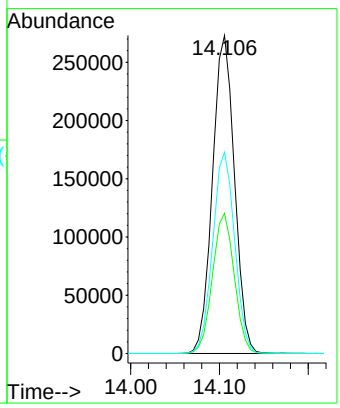




#87
1,2-Dichlorobenzene
Concen: 100.954 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:146 Resp: 469667

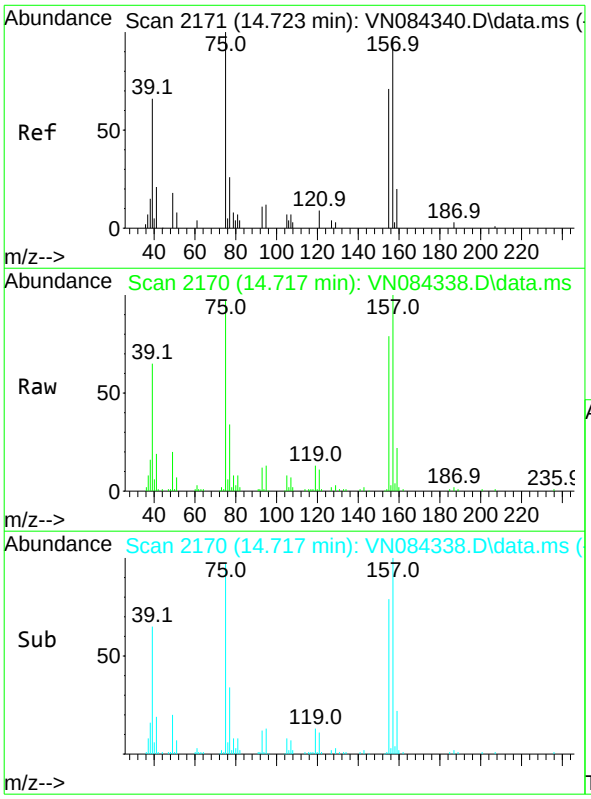
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	63.4	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

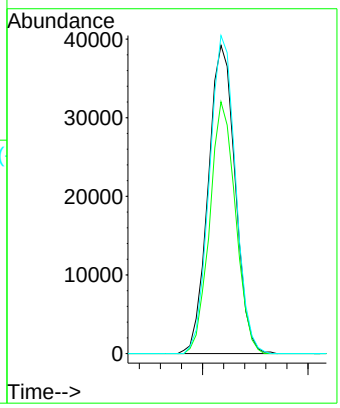
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

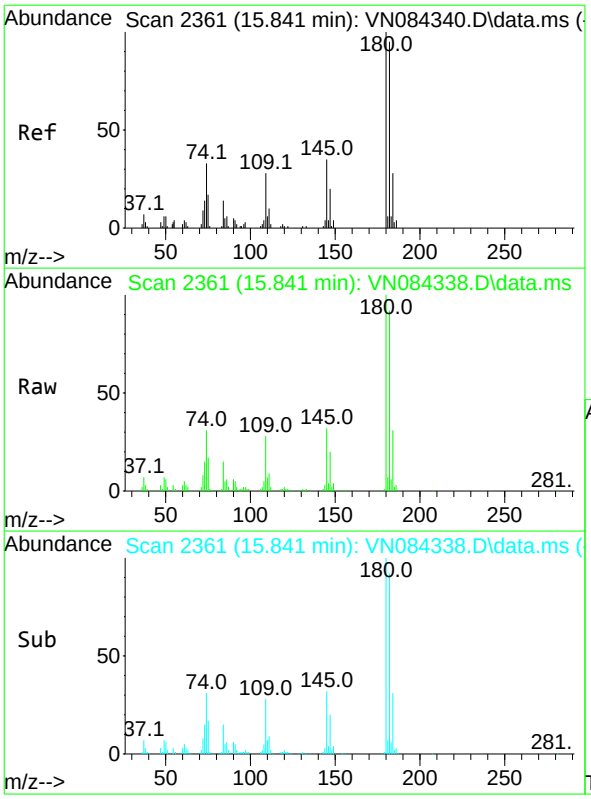


#88
1,2-Dibromo-3-Chloropropane
Concen: 103.123 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 69709

Ion	Ratio	Lower	Upper
75	100		
155	77.9	61.8	92.8
157	99.8	77.4	116.0

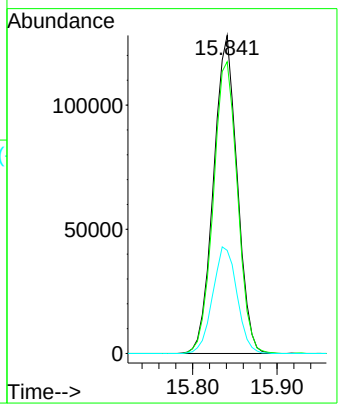




#89
1,2,4-Trichlorobenzene
Concen: 103.221 ug/l
RT: 15.841 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:180 Resp: 249678

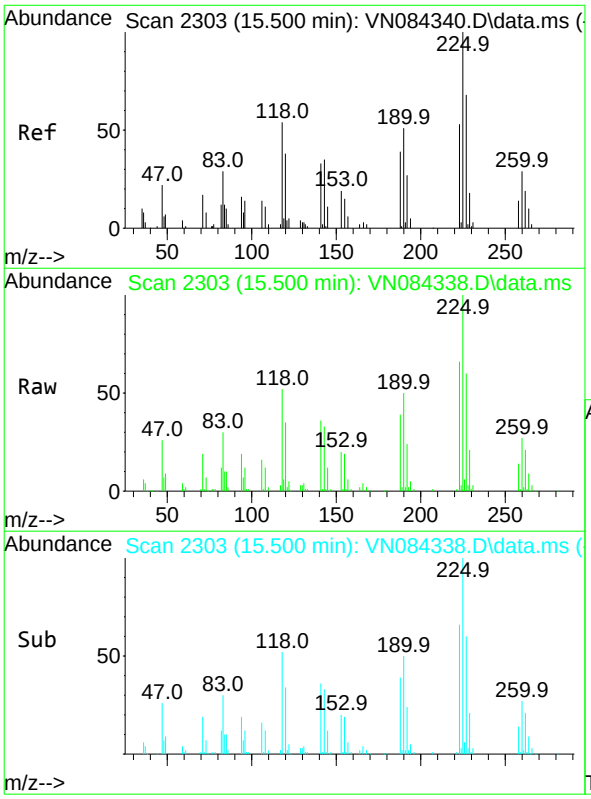
Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.8	116.6
145	34.4	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

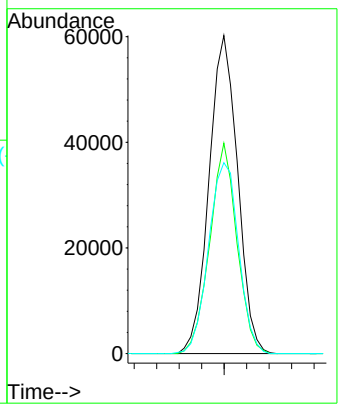
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

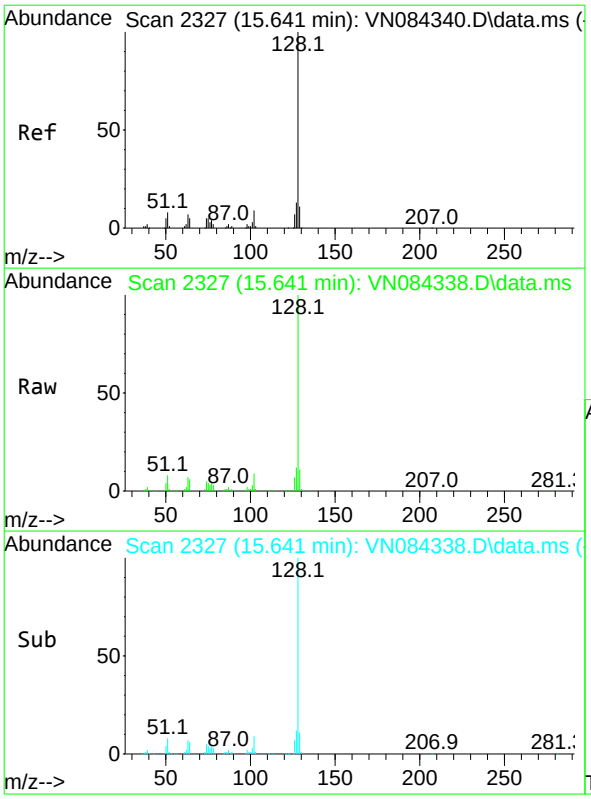


#90
Hexachlorobutadiene
Concen: 94.981 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:225 Resp: 106287

Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	124.0
227	63.1	0.0	130.8

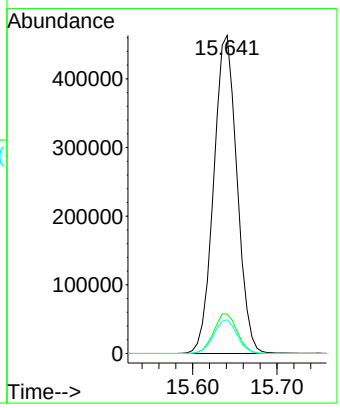




#91
Naphthalene
Concen: 108.388 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:128 Resp: 888428

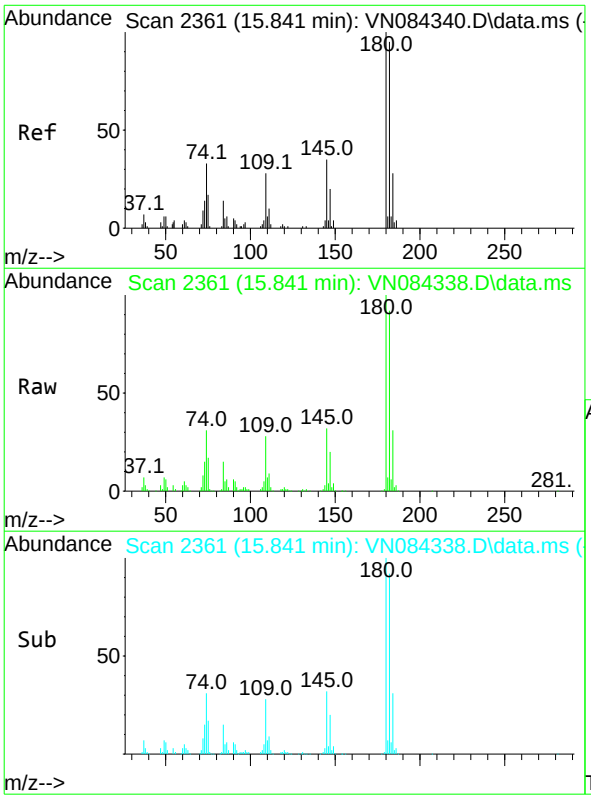
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

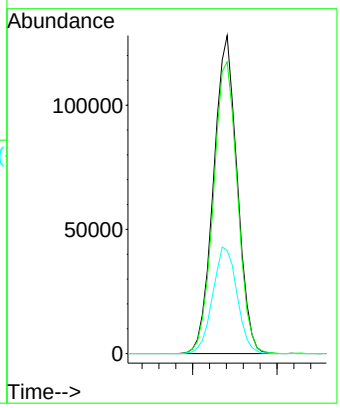
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 103.221 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:180 Resp: 249678

Ion	Ratio	Lower	Upper
180	100		
182	93.4	0.0	194.4
145	34.4	0.0	72.2



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Data File : VN084339.D
Acq On : 08 Oct 2024 10:31
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	35466	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	196182	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	180971	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	84072	29.444	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.133%				
60) 4-Bromofluorobenzene	12.847	95	90206	30.202	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%				
63) Toluene-d8	10.565	98	249414	29.750	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.167%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	104507	48.263	ug/l		96
3) Chloromethane	2.359	50	119618	48.544	ug/l		99
4) Vinyl Chloride	2.512	62	118532	49.052	ug/l		93
5) Bromomethane	2.947	94	73816	46.107	ug/l		98
6) Chloroethane	3.118	64	72586	45.819	ug/l		95
7) Trichlorofluoromethane	3.495	101	192447	48.893	ug/l		94
8) Diethyl Ether	3.959	74	72484	50.089	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.365	101	106319	48.040	ug/l		98
10) 1,1-Dichloroethene	4.342	96	110533	50.053	ug/l		89
11) Methyl Iodide	4.589	142	146194	50.376	ug/l		97
12) Methyl Acetate	5.024	43	143947	52.068	ug/l		95
13) Acrolein	4.177	56	127301	247.880	ug/l		99
14) Acrylonitrile	5.718	53	314551	253.254	ug/l		98
15) Acetone	4.430	58	90377	254.725	ug/l		96
16) Carbon Disulfide	4.712	76	316013	48.056	ug/l		98
17) Allyl chloride	5.024	41	179722	50.205	ug/l		93
18) Methylene Chloride	5.277	84	123536	49.660	ug/l		97
19) trans-1,2-Dichloroethene	5.783	96	115099	49.248	ug/l		89
20) Diisopropyl ether	6.671	45	387668	50.368	ug/l		96
21) 1,1-Dichloroethane	6.571	63	216289	48.975	ug/l		96
22) cis-1,2-Dichloroethene	7.488	96	135603	49.862	ug/l		100
23) tert-Butyl Alcohol	5.524	59	121932	255.936	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	371557m	50.347	ug/l		
25) Chloroform	7.965	83	224326	50.153	ug/l		99
26) Cyclohexane	8.259	56	182672	49.456	ug/l	#	97
29) 1,1-Dichloropropene	8.371	75	159132	49.412	ug/l		99
30) 2-Butanone	7.482	43	438443	255.703	ug/l		99
31) 2,2-Dichloropropane	7.488	77	186163	49.191	ug/l		99
32) 1,1,1-Trichloroethane	8.165	97	202531	49.200	ug/l		99
33) Carbon Tetrachloride	8.359	117	173775	48.728	ug/l		94
34) Benzene	8.606	78	494102	49.013	ug/l		96
35) Methacrylonitrile	7.777	41	94562	51.695	ug/l		96
36) 1,2-Dichloroethane	8.671	62	165947	49.385	ug/l		100
37) Trichloroethene	9.353	130	112853	48.615	ug/l		98
38) Methylcyclohexane	9.600	83	175023	49.477	ug/l		99
39) 1,2-Dichloropropane	9.618	63	118717	48.292	ug/l		98
40) Dibromomethane	9.706	93	84017	48.900	ug/l		98
41) Bromodichloromethane	9.888	83	179758	49.283	ug/l		92
42) Vinyl Acetate	6.606	43	1520354	254.948	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084339.D
Acq On : 08 Oct 2024 10:31
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	168929	49.954 ug/l	94
44) Isopropyl Acetate	8.688	43	281915	50.934 ug/l	99
45) 1,4-Dioxane	9.694	88	51791	1038.003 ug/l	95
46) Methyl methacrylate	9.682	41	137372	51.368 ug/l	98
47) n-amyl Acetate	12.494	43	251442	51.073 ug/l	99
48) t-1,3-Dichloropropene	10.835	75	187402	49.721 ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	197144	49.908 ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	114315	49.500 ug/l	98
51) Ethyl methacrylate	10.871	69	198002	51.907 ug/l	96
52) 1,3-Dichloropropane	11.165	76	198343	49.119 ug/l	99
53) Dibromochloromethane	11.359	129	135901	49.816 ug/l	99
54) 1,2-Dibromoethane	11.470	107	118129	49.693 ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	439901	254.264 ug/l	99
56) Bromoform	12.576	173	90199	49.851 ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	864518	256.442 ug/l	100
59) 2-Hexanone	11.194	43	654698	261.350 ug/l	100
61) Tetrachloroethene	11.100	164	100050	48.875 ug/l	97
62) Toluene	10.629	91	526619	49.707 ug/l	99
64) Chlorobenzene	11.888	112	323202	49.023 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	114617	50.043 ug/l	99
66) Ethyl Benzene	11.965	91	582229	50.583 ug/l	99
67) m/p-Xylenes	12.070	106	446529	102.264 ug/l	99
68) o-Xylene	12.400	106	213661	50.765 ug/l	99
69) Styrene	12.412	104	369695	51.169 ug/l	99
70) Isopropylbenzene	12.694	105	546834	50.894 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	167855	50.500 ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	144614m	50.872 ug/l	
73) Bromobenzene	12.982	156	131272	50.447 ug/l	98
74) n-propylbenzene	13.035	91	650890	50.836 ug/l	99
75) 2-Chlorotoluene	13.123	91	396493	49.834 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	461964	51.064 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	63656	52.330 ug/l	96
78) 4-Chlorotoluene	13.223	91	407771	50.410 ug/l	99
79) tert-butylbenzene	13.435	119	394929	51.169 ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	467589	50.939 ug/l	100
81) sec-Butylbenzene	13.617	105	541224	50.934 ug/l	99
82) p-Isopropyltoluene	13.729	119	451993	50.537 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	243731	50.374 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	237600	49.452 ug/l	99
85) n-Butylbenzene	14.053	91	392578	50.679 ug/l	98
86) Hexachloroethane	14.335	117	85140	49.410 ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	235213	50.280 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	35951	52.891 ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	123597	50.816 ug/l	97
90) Hexachlorobutadiene	15.500	225	53904	47.905 ug/l	99
91) Naphthalene	15.641	128	428263	51.960 ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	123597	50.816 ug/l	97

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

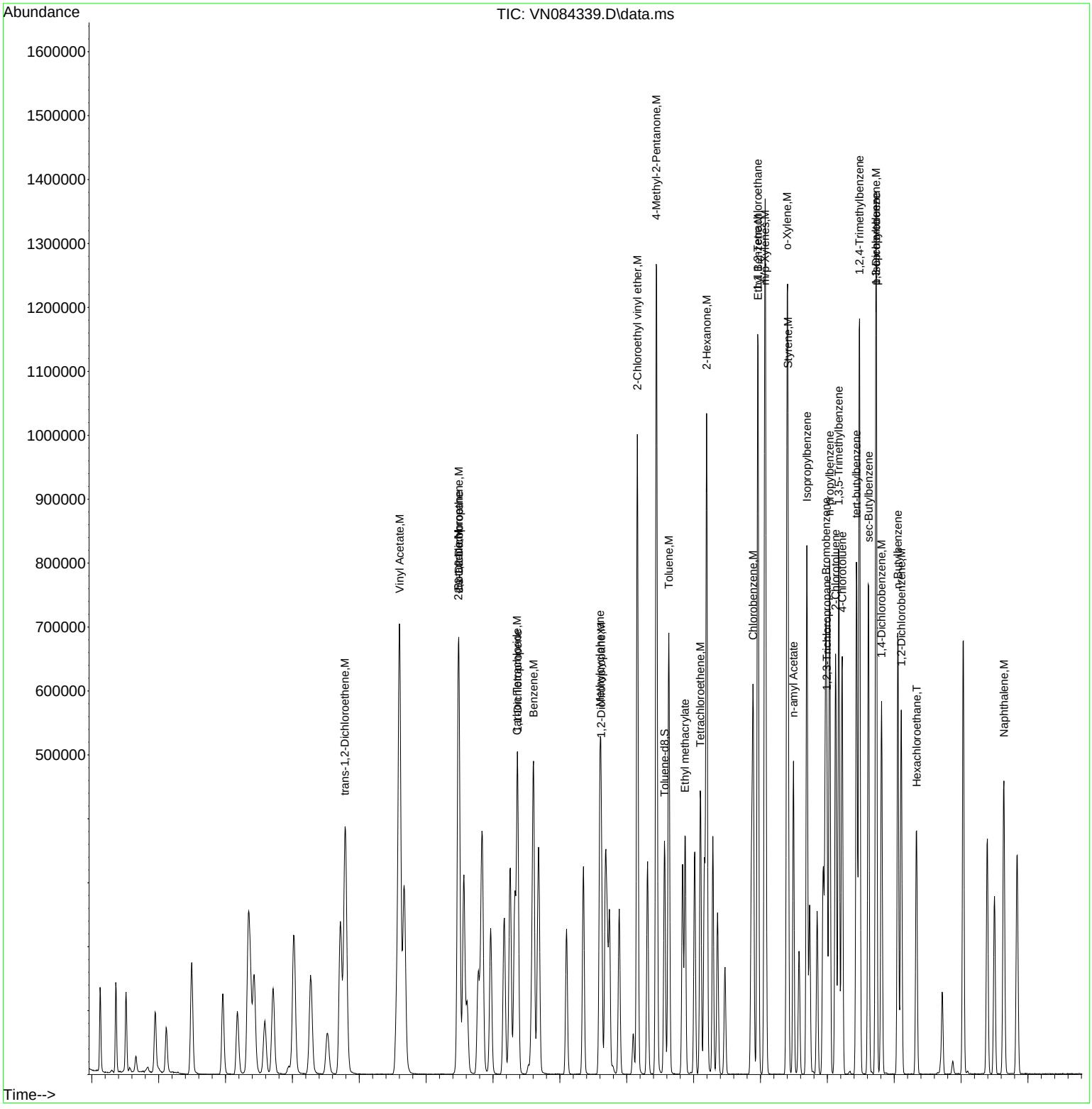
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084339.D
Acq On : 08 Oct 2024 10:31
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

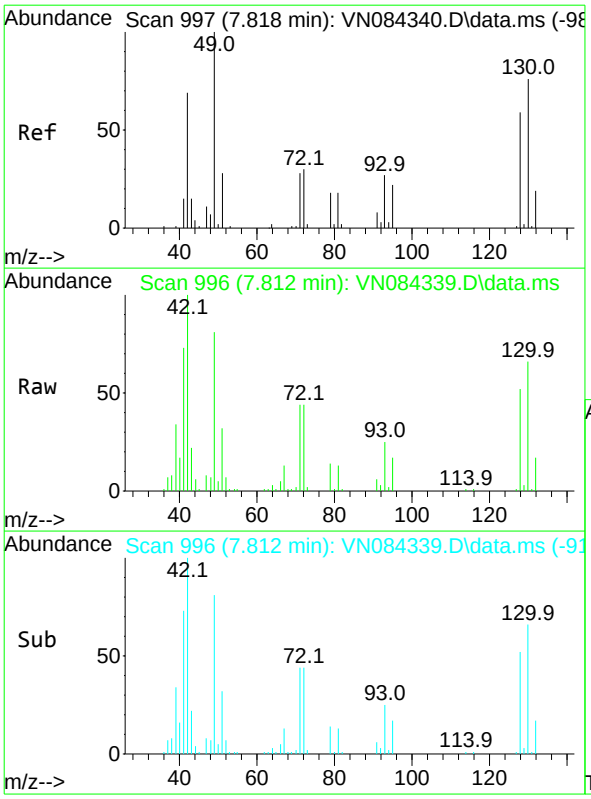
Quant Time: Oct 09 02:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

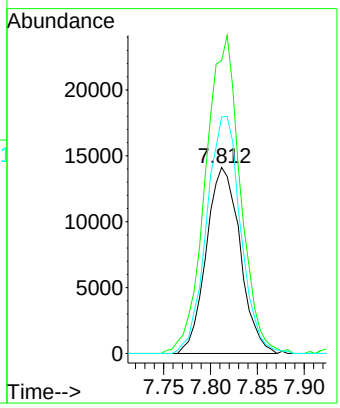




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:128 Resp: 35466

Ion	Ratio	Lower	Upper
128	100		
49	175.8	0.0	430.0
130	128.5	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

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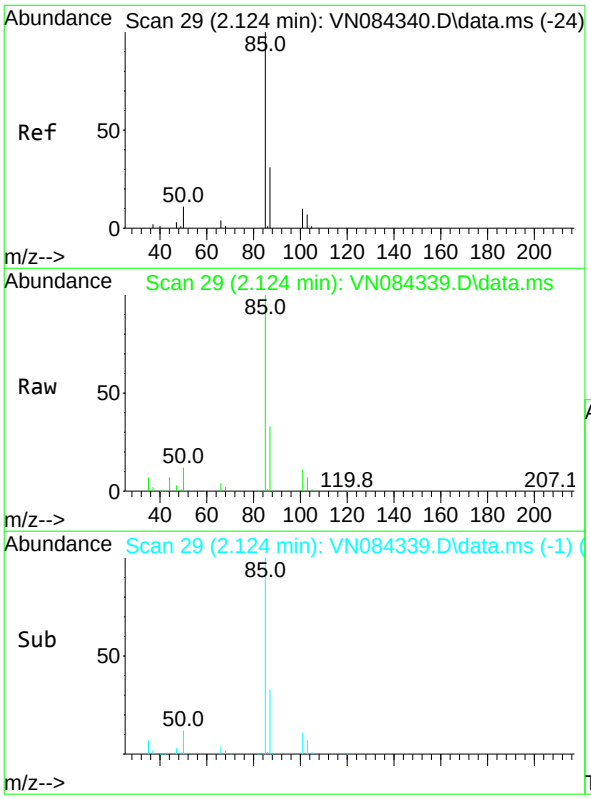
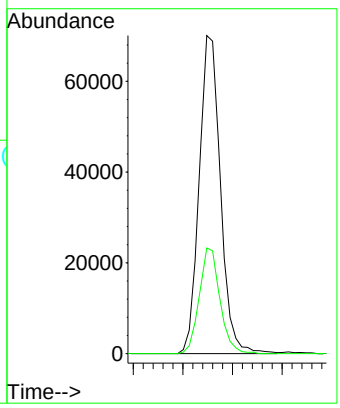
Supervised By :Mahesh Dadoda 10/09/2024

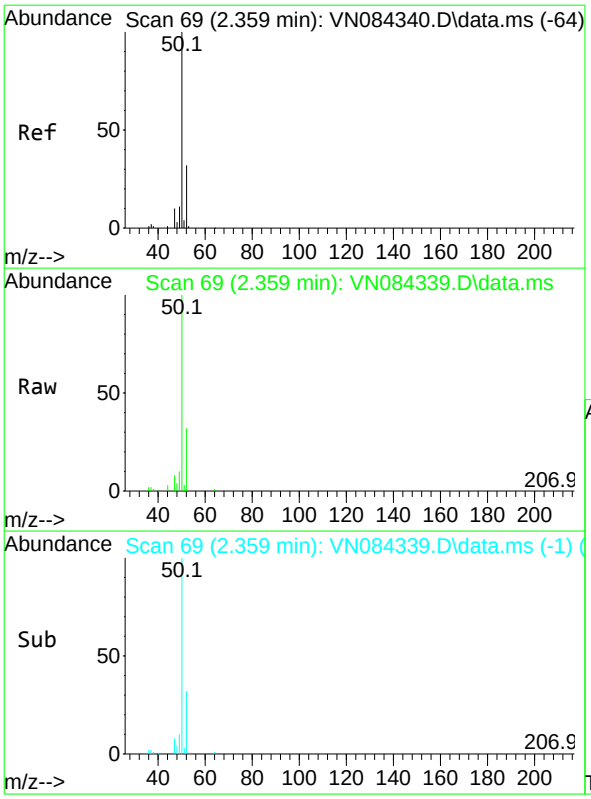


#2
Dichlorodifluoromethane
Concen: 48.263 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 85 Resp: 104507

Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.4	46.4

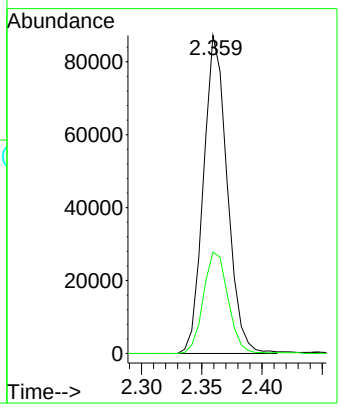




#3
Chloromethane
Concen: 48.544 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 50 Resp: 119618

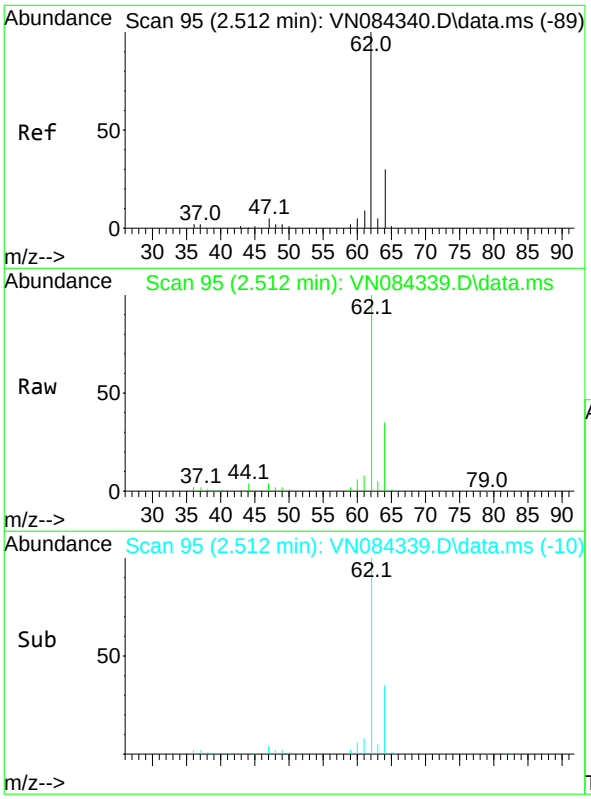
Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

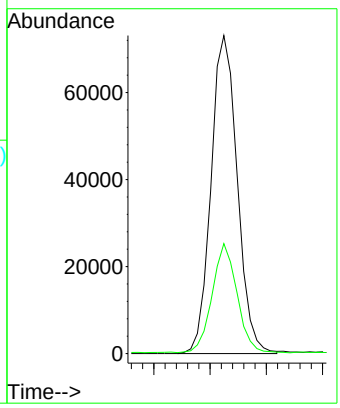
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

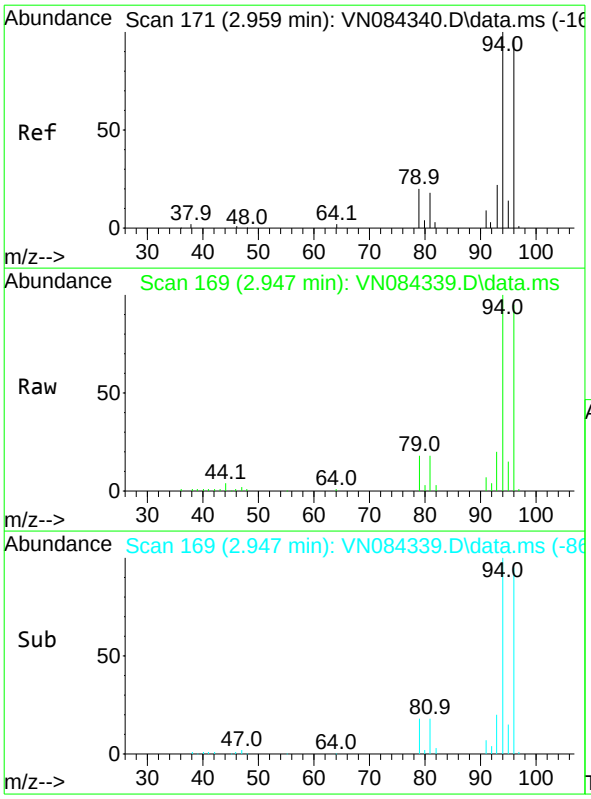


#4
Vinyl Chloride
Concen: 49.052 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 62 Resp: 118532

Ion	Ratio	Lower	Upper
62	100		
64	34.3	24.3	36.5

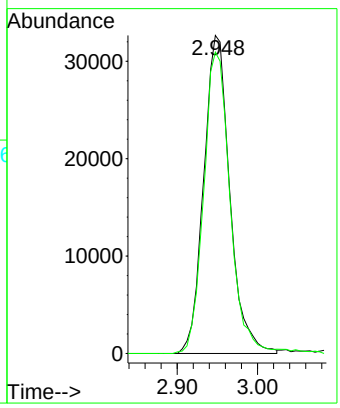




#5
Bromomethane
Concen: 46.107 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 94 Resp: 73816

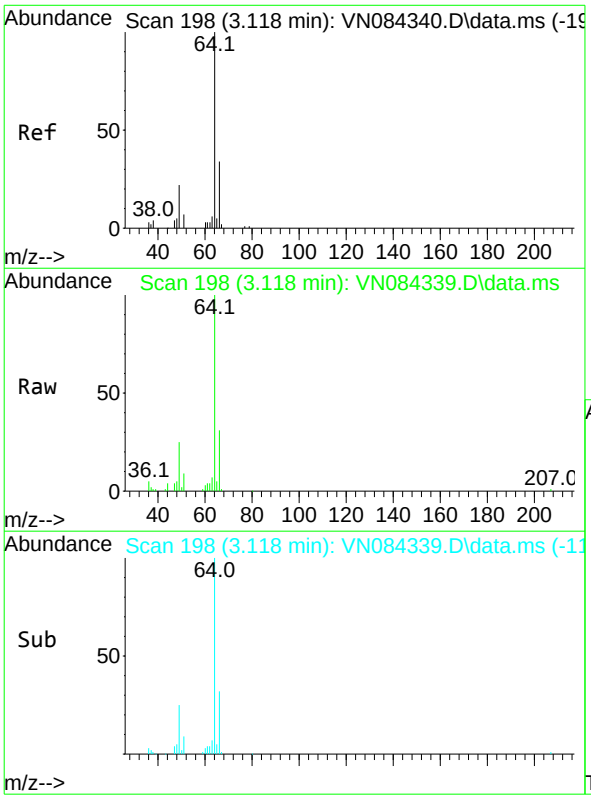
Ion	Ratio	Lower	Upper
94	100		
96	94.2	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

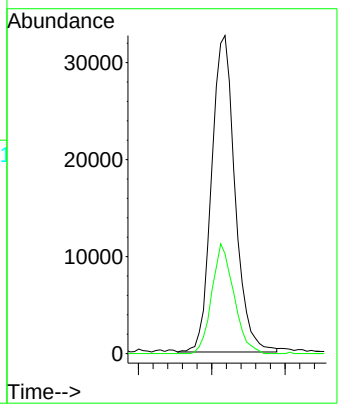
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

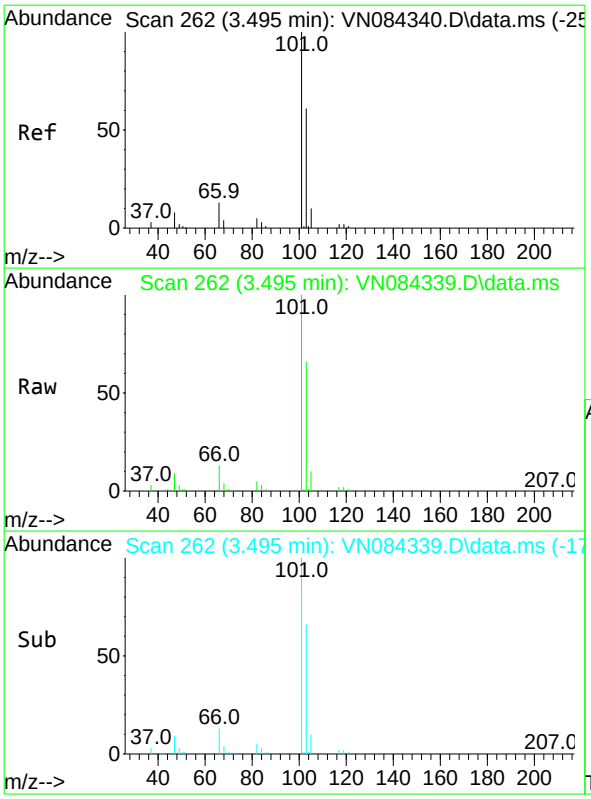


#6
Chloroethane
Concen: 45.819 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 64 Resp: 72586

Ion	Ratio	Lower	Upper
64	100		
66	31.5	27.7	41.5

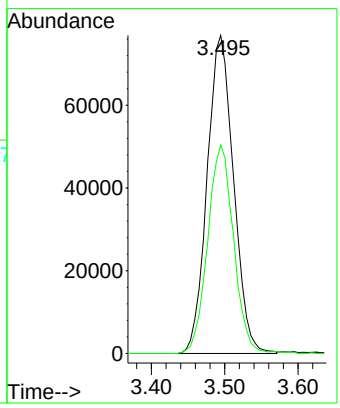




#7
Trichlorofluoromethane
Concen: 48.893 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:101 Resp: 192447

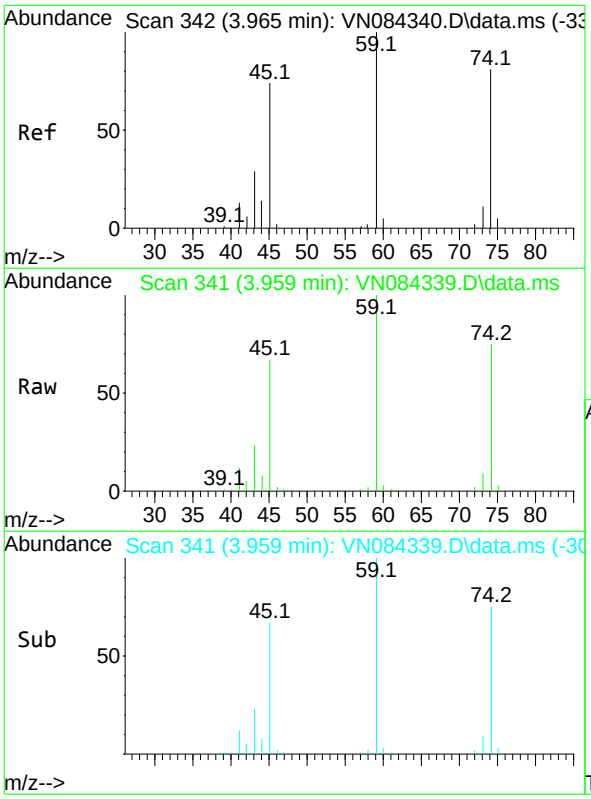
Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

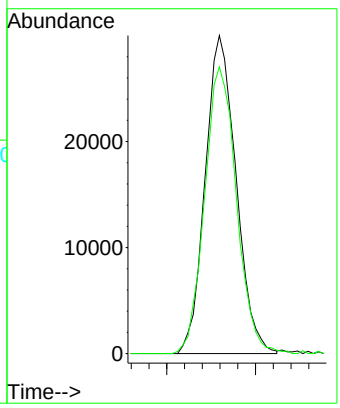
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

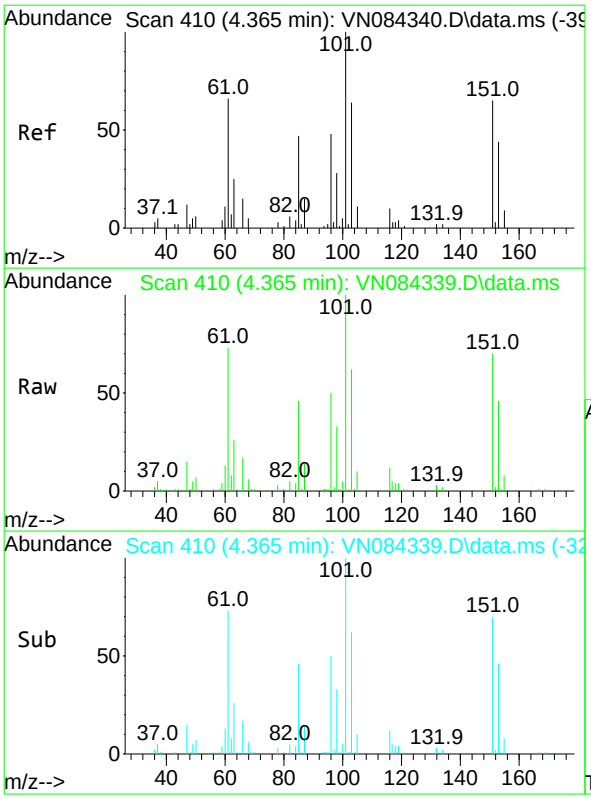


#8
Diethyl Ether
Concen: 50.089 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 74 Resp: 72484

Ion	Ratio	Lower	Upper
74	100		
45	93.0	19.2	173.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.040 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:101 Resp: 106319

Ion	Ratio	Lower	Upper
101	100		
85	45.7	0.0	93.6
151	74.4	0.0	151.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

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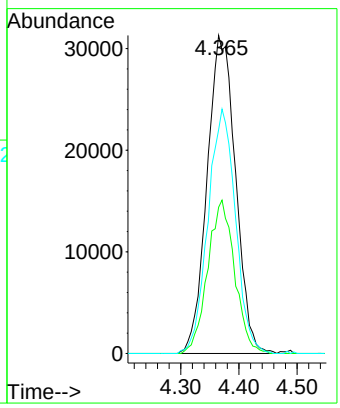
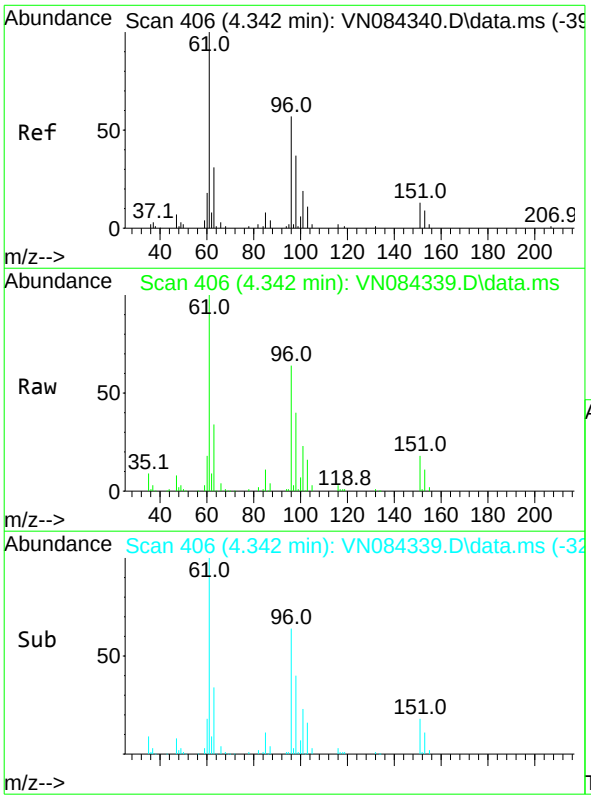
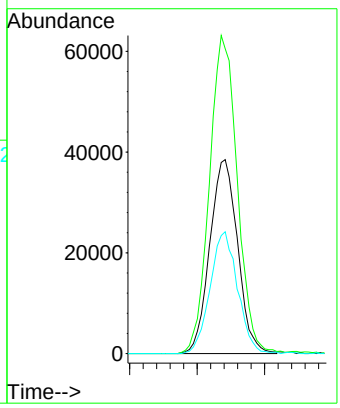


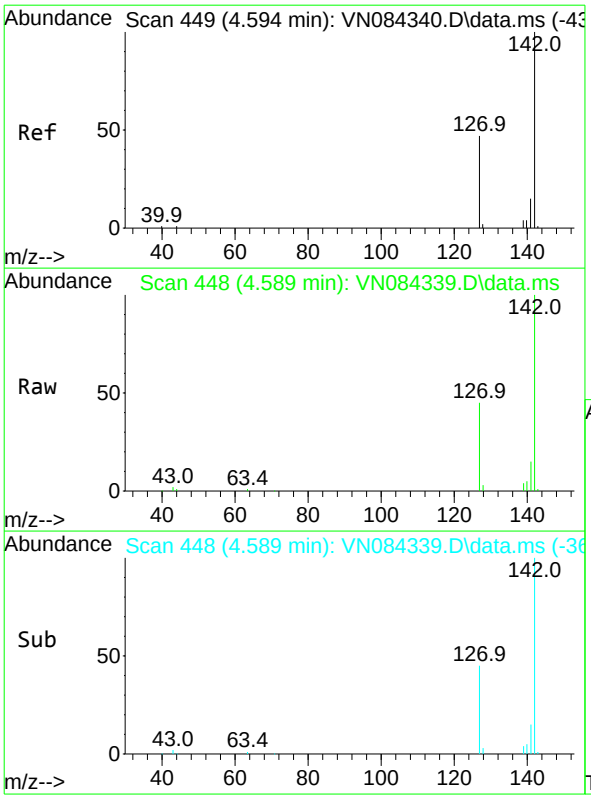


#10
1,1-Dichloroethene
Concen: 50.053 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 96 Resp: 110533

Ion	Ratio	Lower	Upper
96	100		
61	157.2	140.8	211.2
98	62.8	52.2	78.2

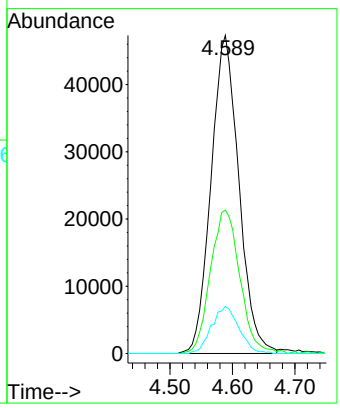




#11
Methyl Iodide
Concen: 50.376 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:142 Resp: 146194

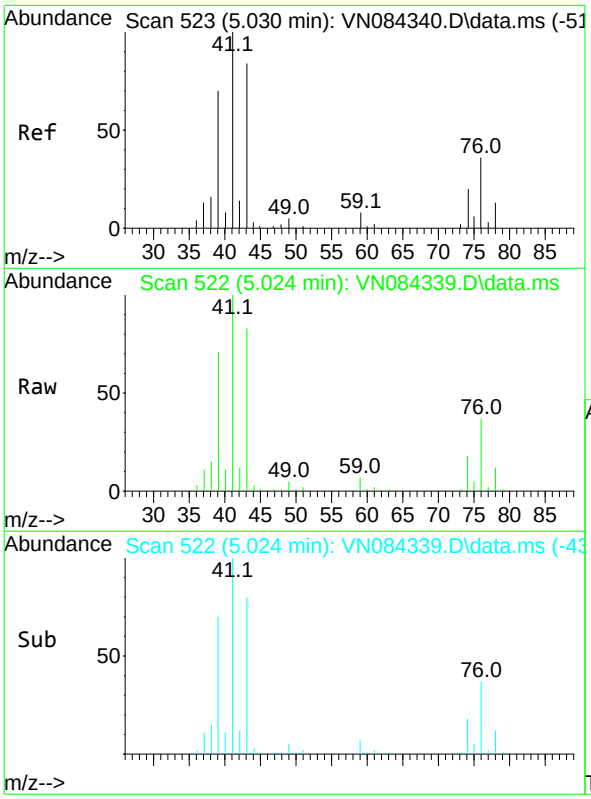
Ion	Ratio	Lower	Upper
142	100		
127	45.1	23.8	71.4
141	14.9	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

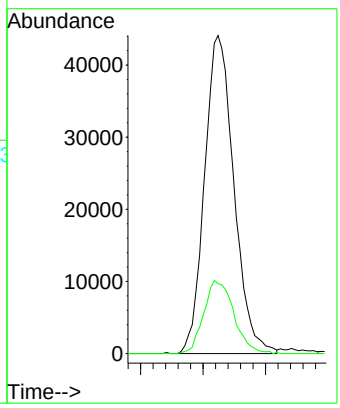
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

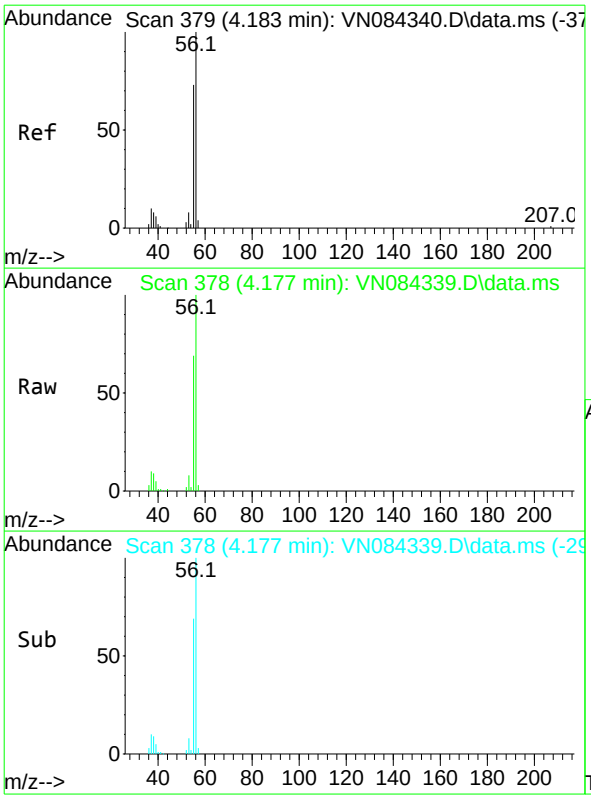


#12
Methyl Acetate
Concen: 52.068 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 143947

Ion	Ratio	Lower	Upper
43	100		
74	21.9	19.4	29.2

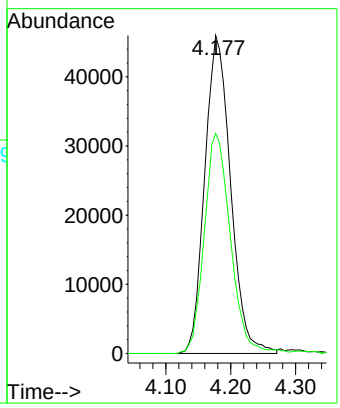




#13
Acrolein
Concen: 247.880 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 56 Resp: 127301

Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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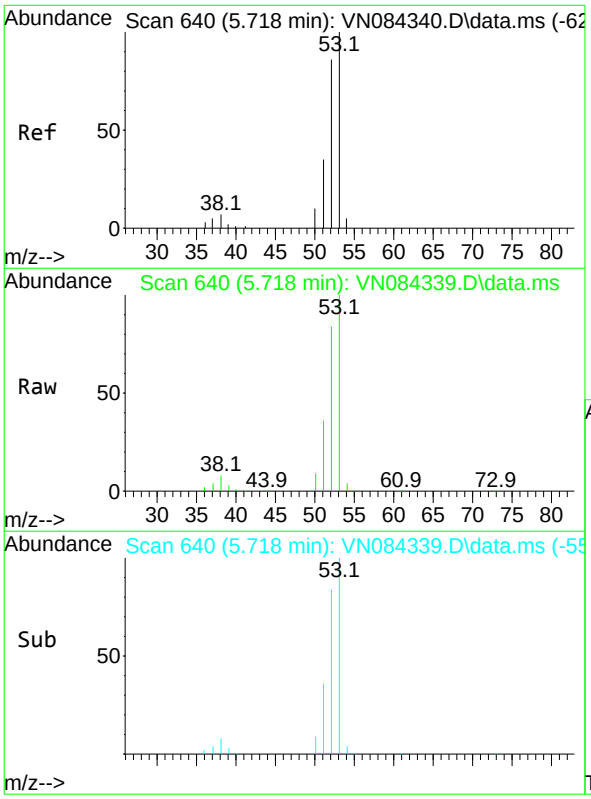
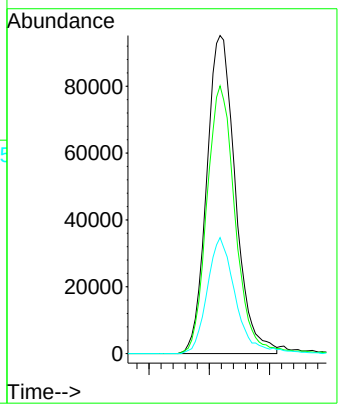
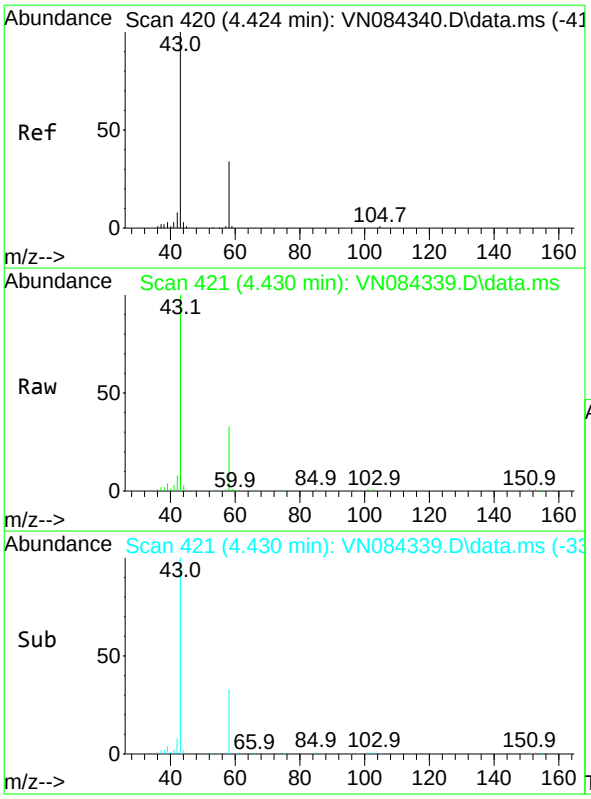


#14
Acrylonitrile
Concen: 253.254 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 53 Resp: 314551

Ion	Ratio	Lower	Upper
53	100		
52	82.9	40.4	121.2
51	35.1	17.8	53.4

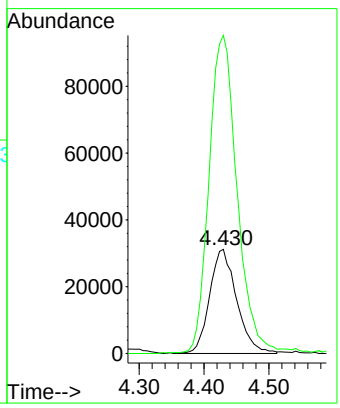




#15
Acetone
Concen: 254.725 ug/l
RT: 4.430 min Scan# 42
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 58 Resp: 90377

Ion	Ratio	Lower	Upper
58	100		
43	304.6	237.5	356.3



Instrument :
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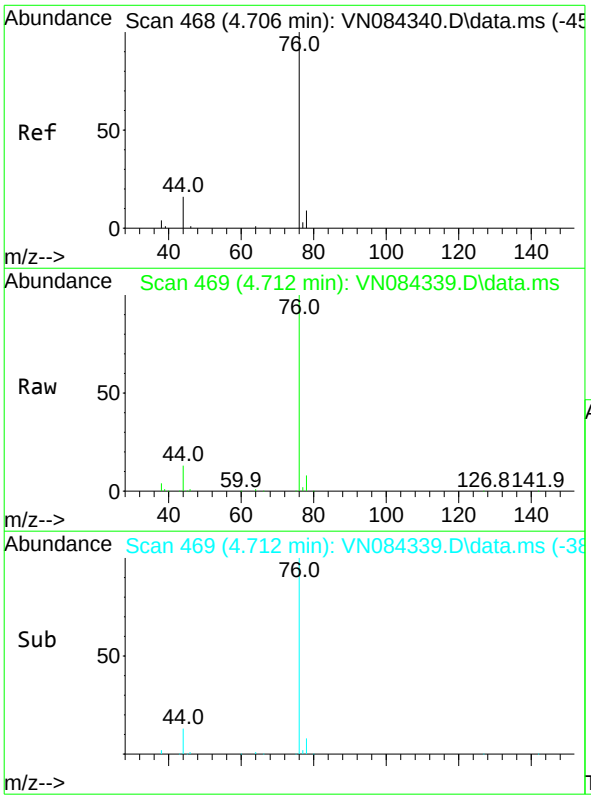
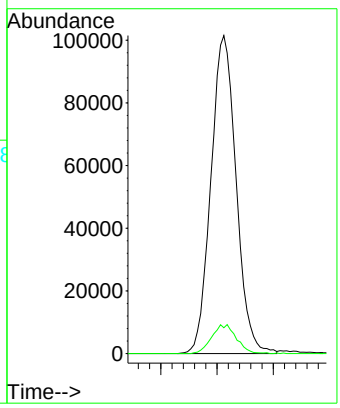
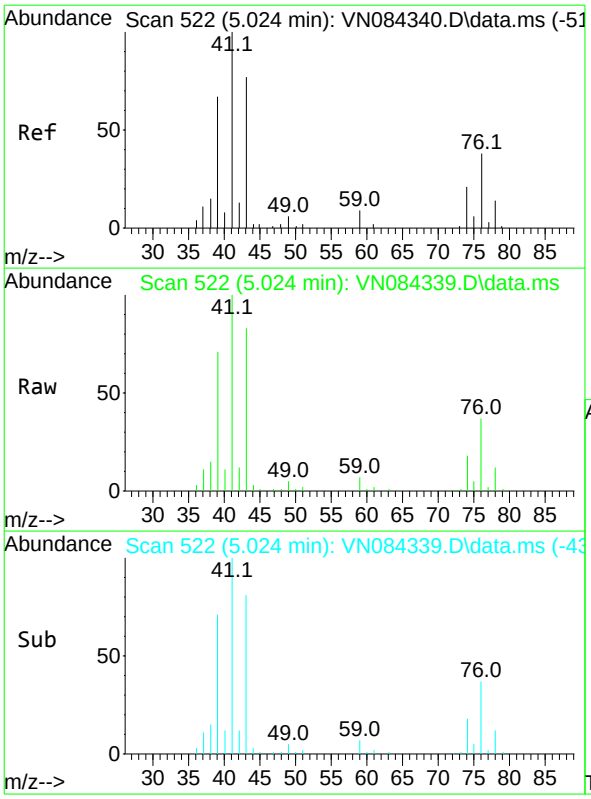


#16
Carbon Disulfide
Concen: 48.056 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 76 Resp: 316013

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7

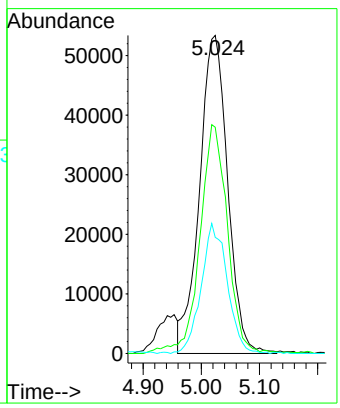




#17
Allyl chloride
Concen: 50.205 ug/l
RT: 5.024 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 41 Resp: 179722

Ion	Ratio	Lower	Upper
41	100		
39	71.0	31.4	94.3
76	36.4	17.8	53.5



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ClientSampleId :
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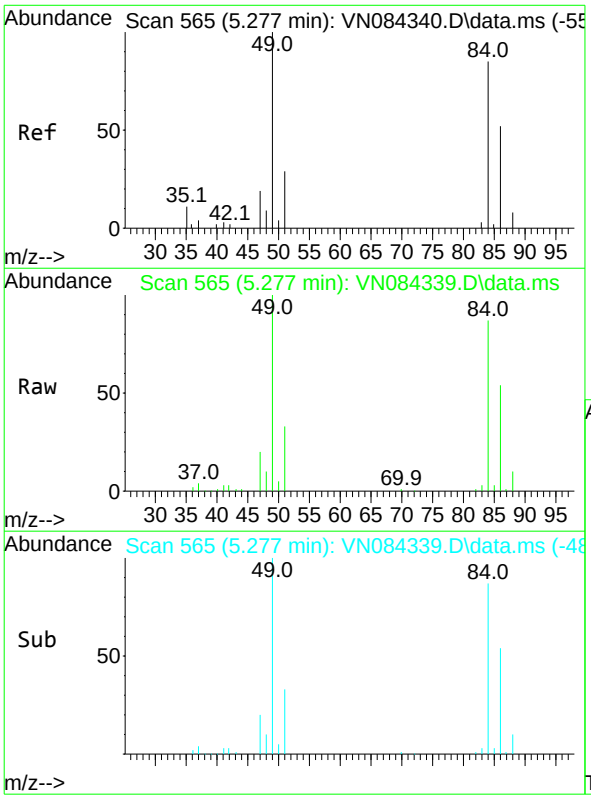
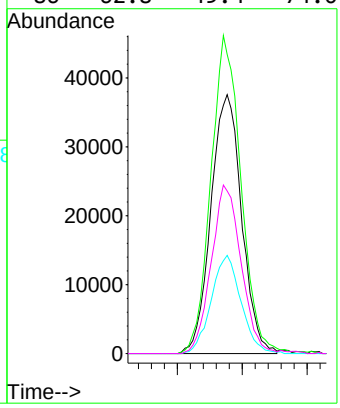
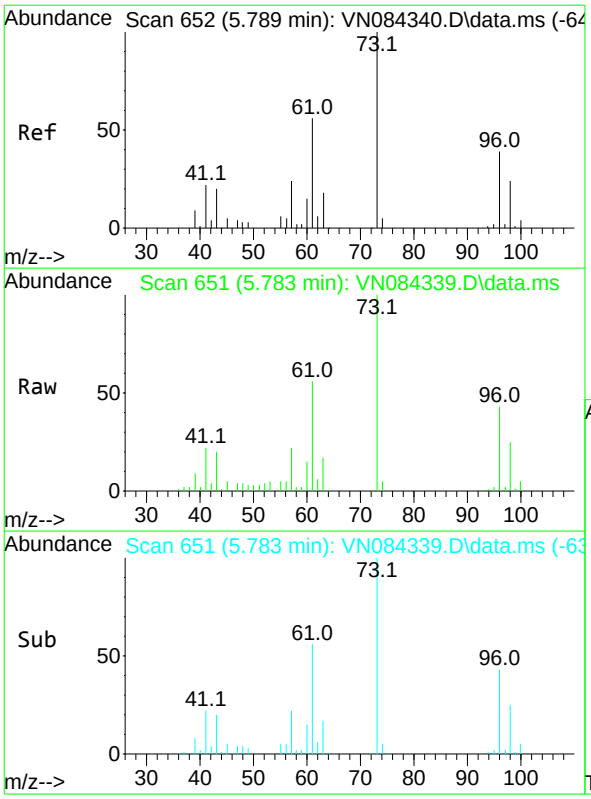


#18
Methylene Chloride
Concen: 49.660 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 84 Resp: 123536

Ion	Ratio	Lower	Upper
84	100		
49	115.5	94.6	142.0
51	37.9	27.3	40.9
86	62.8	49.4	74.0

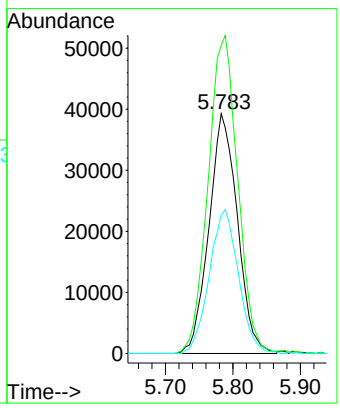




#19
trans-1,2-Dichloroethene
Concen: 49.248 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 96 Resp: 115099

Ion	Ratio	Lower	Upper
96	100		
61	128.1	115.8	173.6
98	57.9	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
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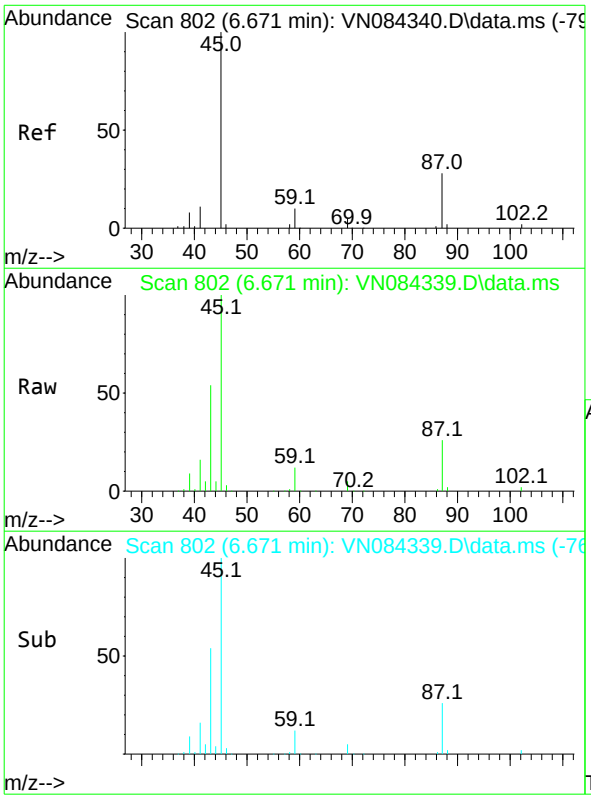
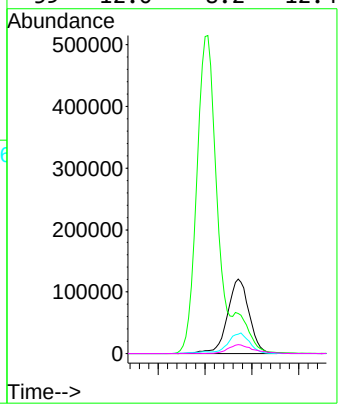
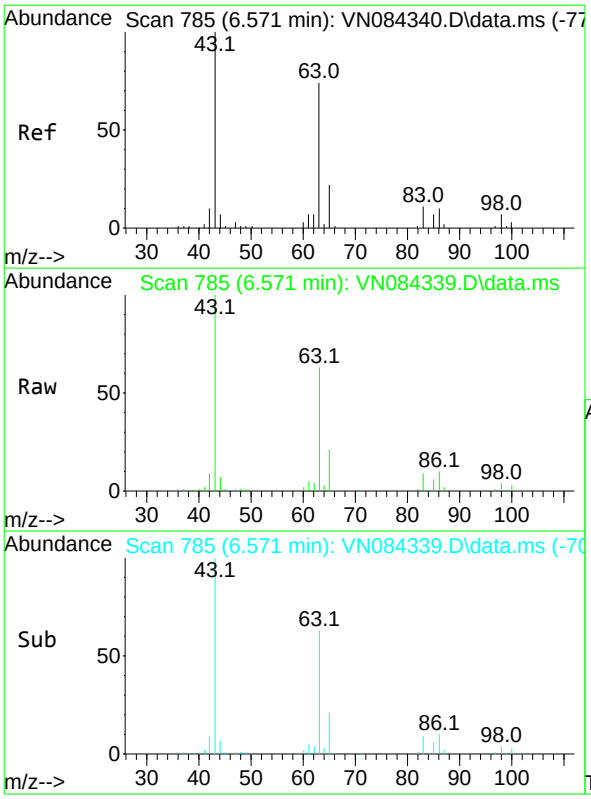


#20
Diisopropyl ether
Concen: 50.368 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 45 Resp: 387668

Ion	Ratio	Lower	Upper
45	100		
43	52.4	43.7	65.5
87	25.9	23.1	34.7
59	12.0	8.2	12.4

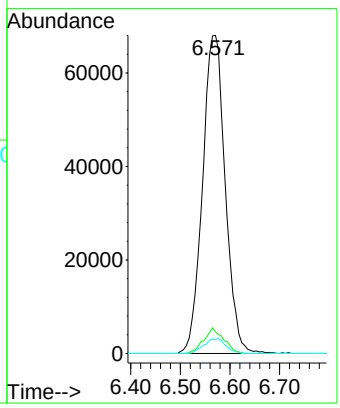




#21
1,1-Dichloroethane
Concen: 48.975 ug/l
RT: 6.571 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 63 Resp: 216289

Ion	Ratio	Lower	Upper
63	100		
98	6.8	4.5	13.4
100	4.3	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
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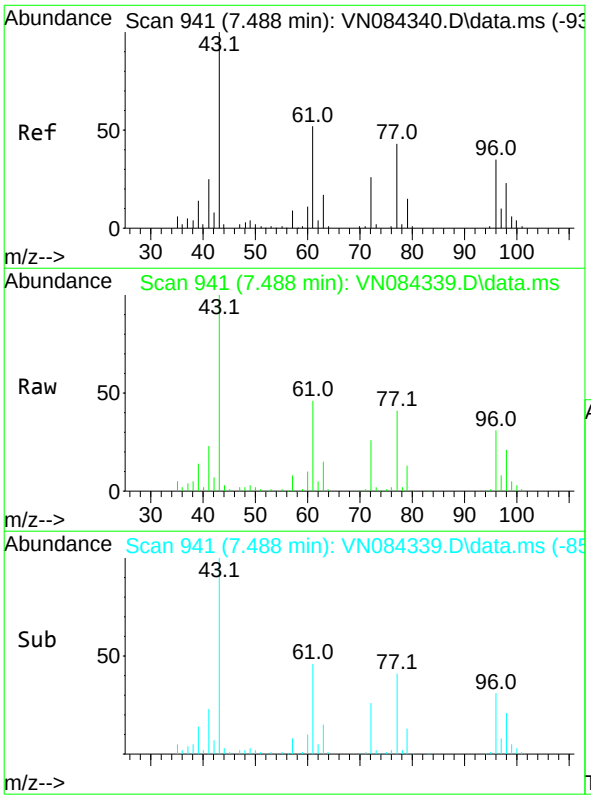
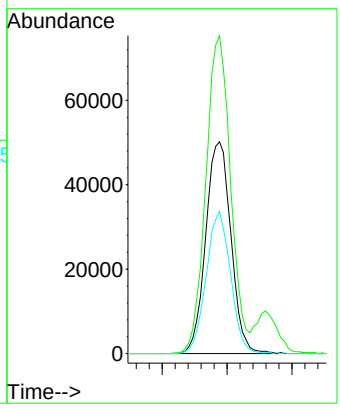
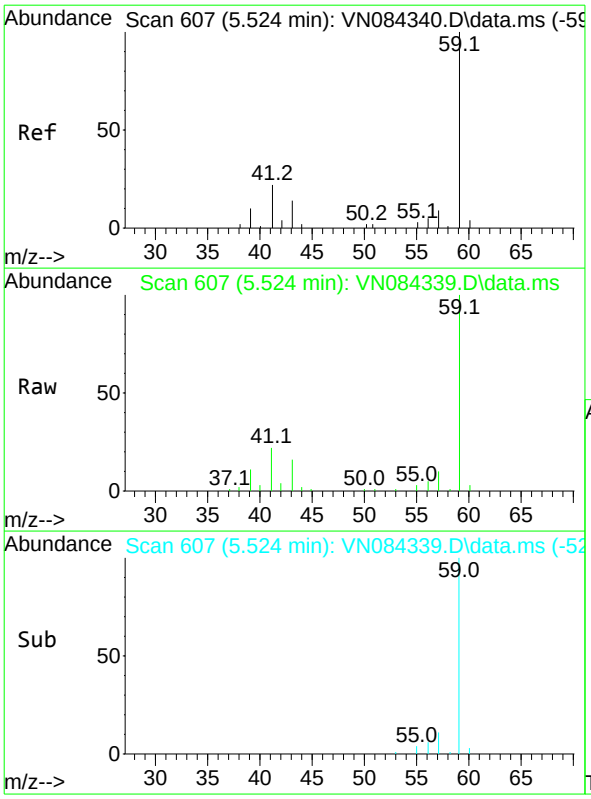


#22
cis-1,2-Dichloroethene
Concen: 49.862 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 96 Resp: 135603

Ion	Ratio	Lower	Upper
96	100		
61	147.6	118.0	177.0
98	64.7	51.8	77.8

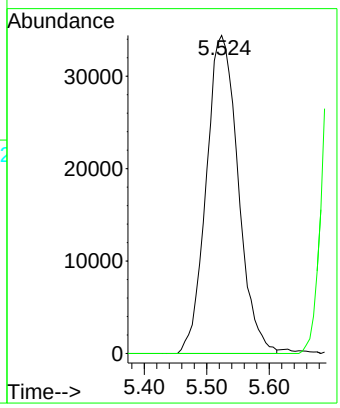




#23
tert-Butyl Alcohol
Concen: 255.936 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 59 Resp: 121932

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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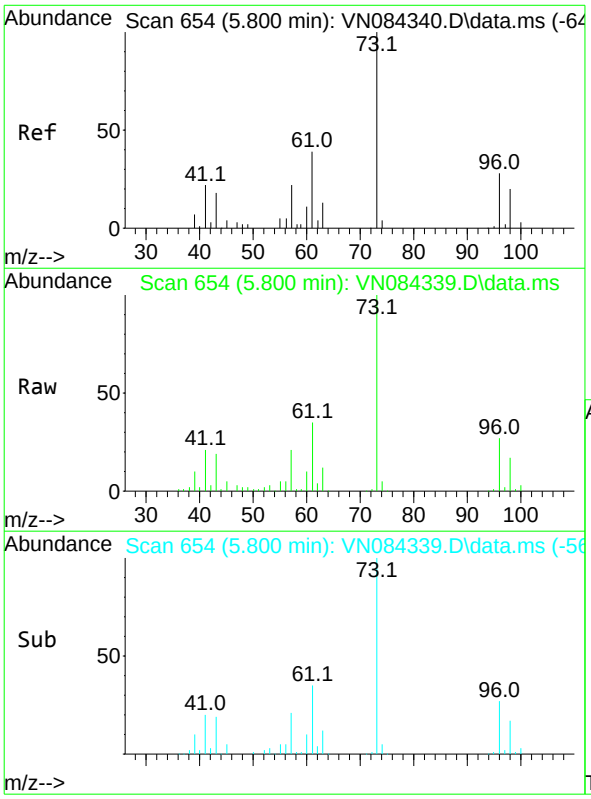
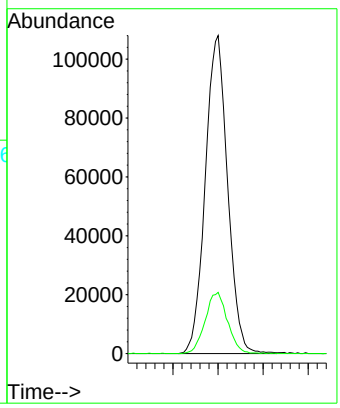
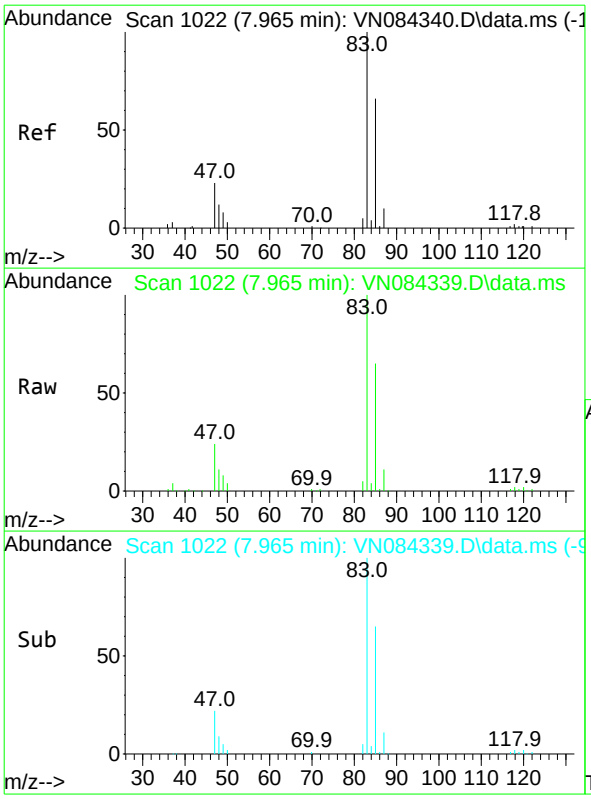


#24
Methyl tert-Butyl Ether
Concen: 50.347 ug/l m
RT: 5.800 min Scan# 654
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 73 Resp: 371557

Ion	Ratio	Lower	Upper
73	100		
43	0.0	10.9	16.3#

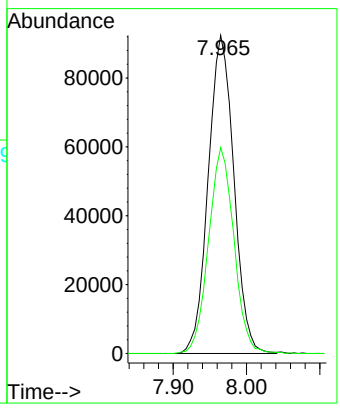




#25
Chloroform
Concen: 50.153 ug/l
RT: 7.965 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 224326

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6



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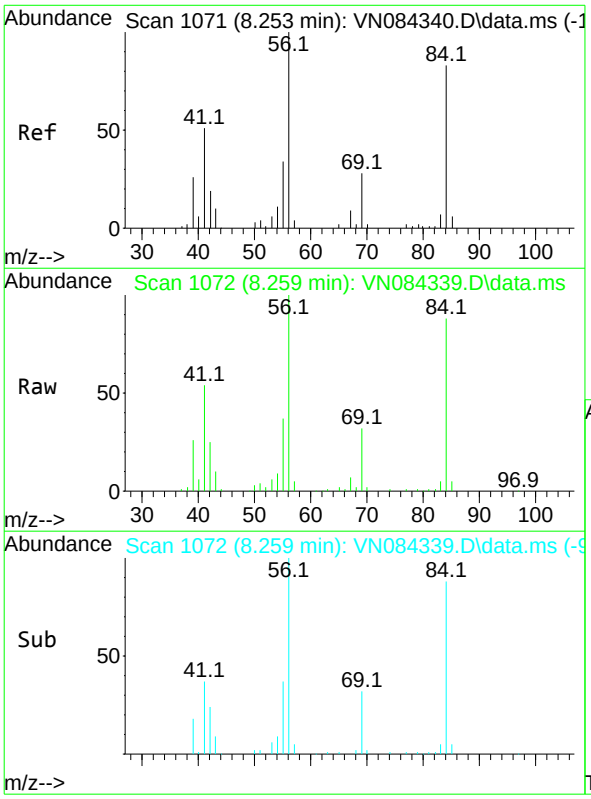
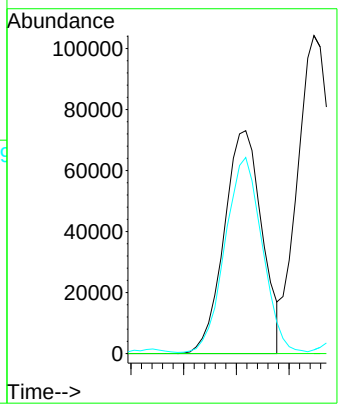
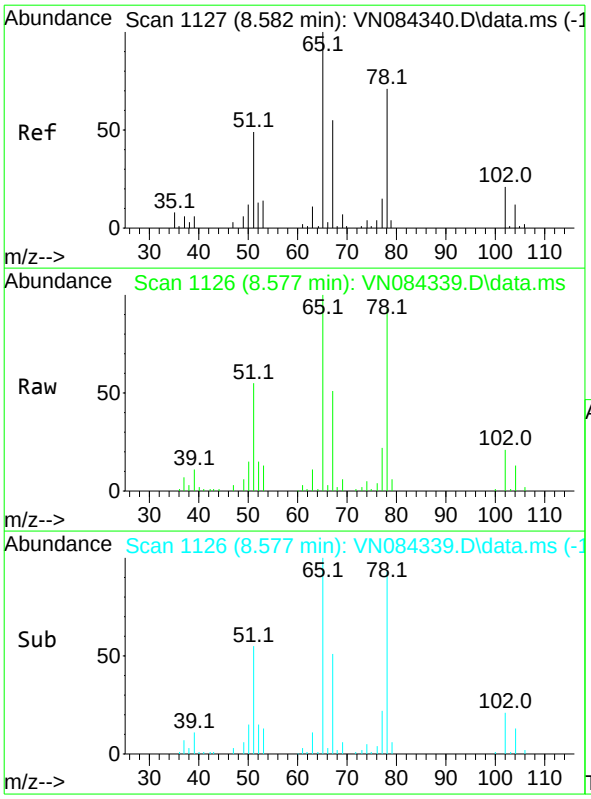


#26
Cyclohexane
Concen: 49.456 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 56 Resp: 182672

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	87.0	67.0	100.6

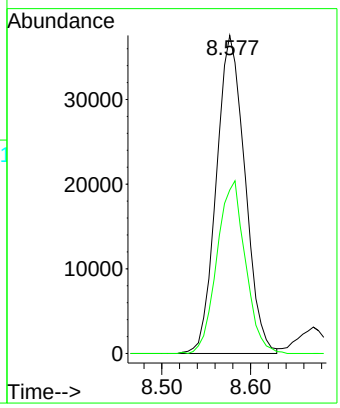




#27
1,2-Dichloroethane-d4
Concen: 29.444 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 65 Resp: 84072

Ion	Ratio	Lower	Upper
65	100		
67	53.9	41.5	62.3



Instrument :
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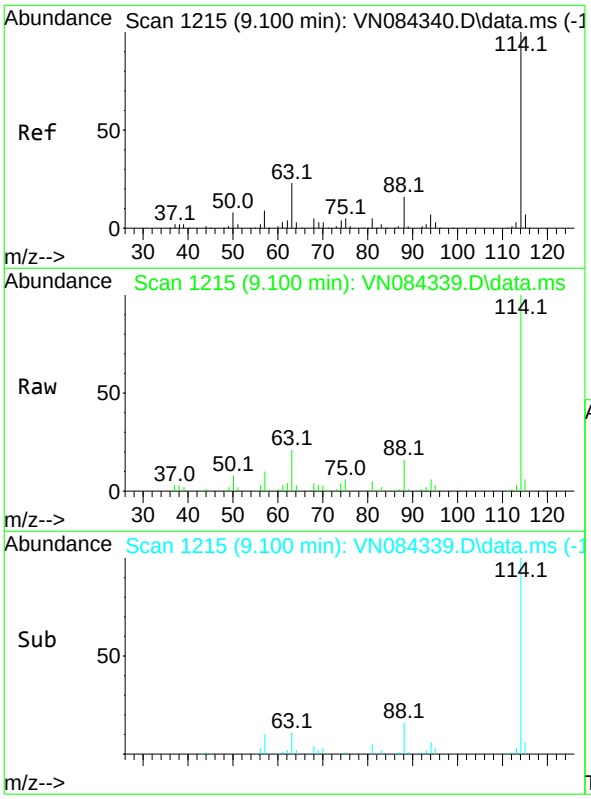
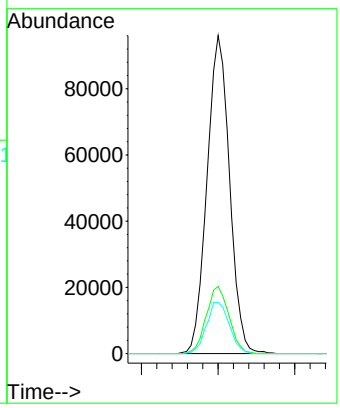
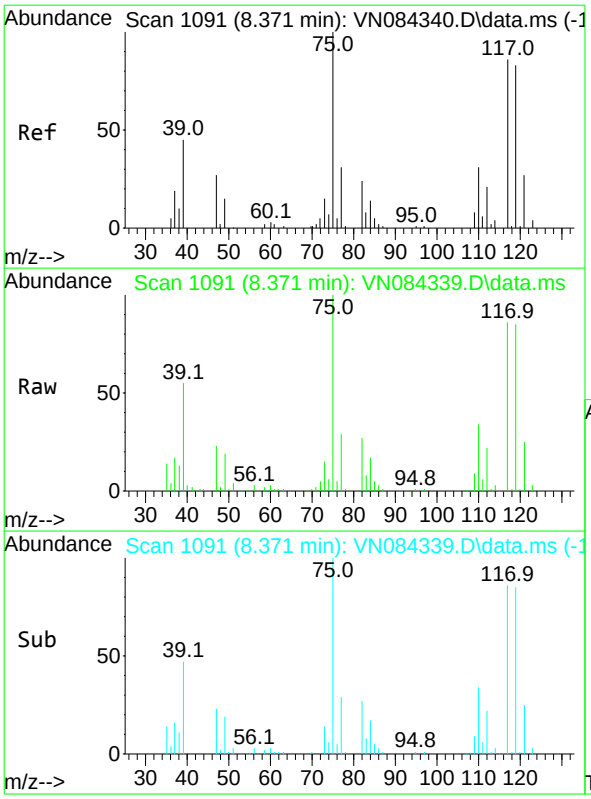


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:114 Resp: 196182

Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.4	26.0
88	16.4	13.2	19.8

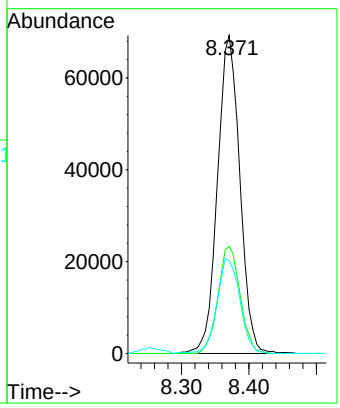




#29
1,1-Dichloropropene
Concen: 49.412 ug/l
RT: 8.371 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 159132

Ion	Ratio	Lower	Upper
75	100		
110	33.3	0.0	67.6
77	30.6	0.0	61.4



Instrument :
MSVOA_N
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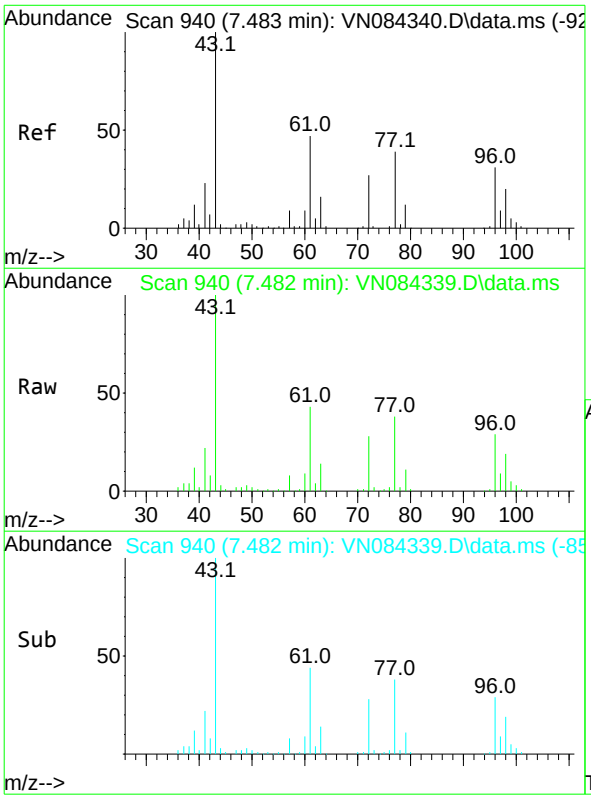
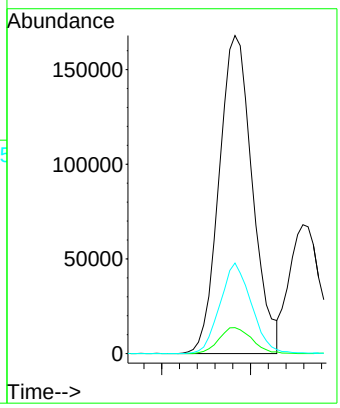
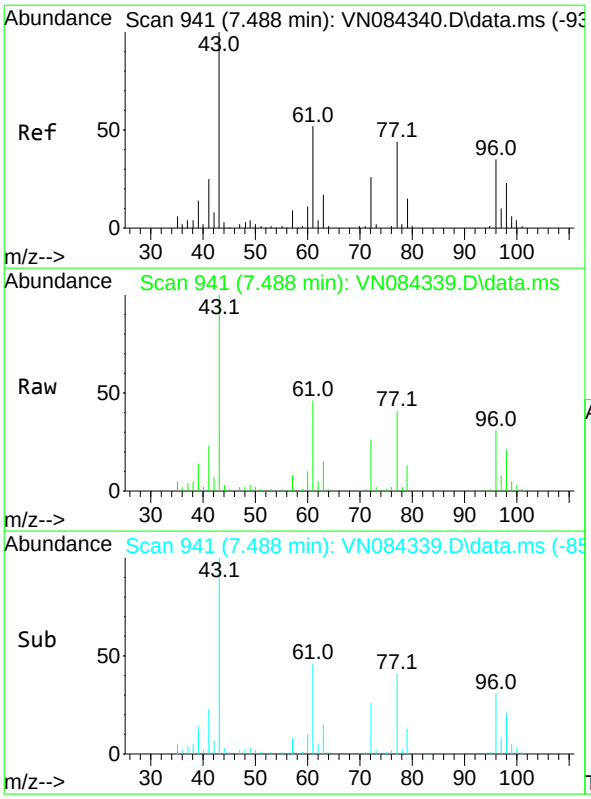


#30
2-Butanone
Concen: 255.703 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 438443

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.6	9.8
72	26.9	21.3	31.9

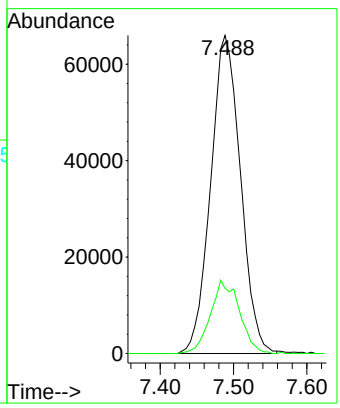




#31
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 77 Resp: 186163

Ion	Ratio	Lower	Upper
77	100		
97	14.7	11.5	17.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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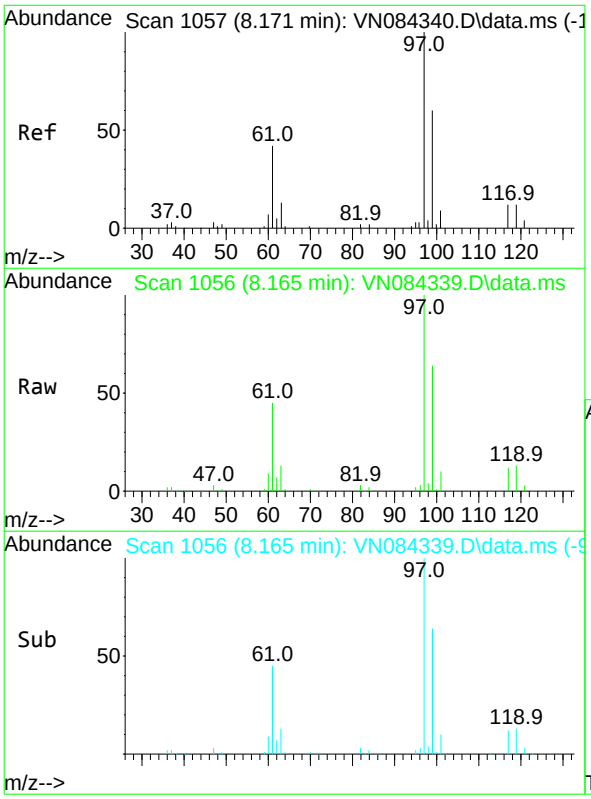
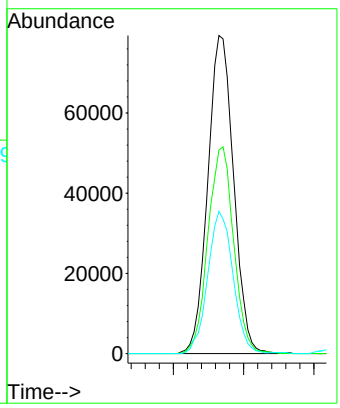
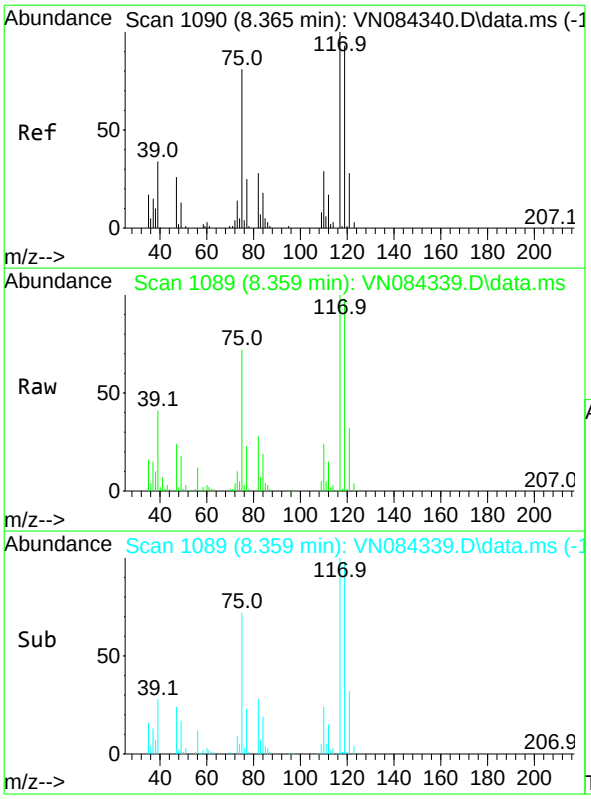


#32
1,1,1-Trichloroethane
Concen: 49.200 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 97 Resp: 202531

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	43.7	34.1	51.1

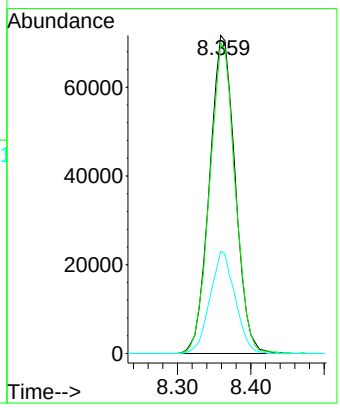




#33
Carbon Tetrachloride
Concen: 48.728 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:117 Resp: 173775

Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.3	111.5
121	32.1	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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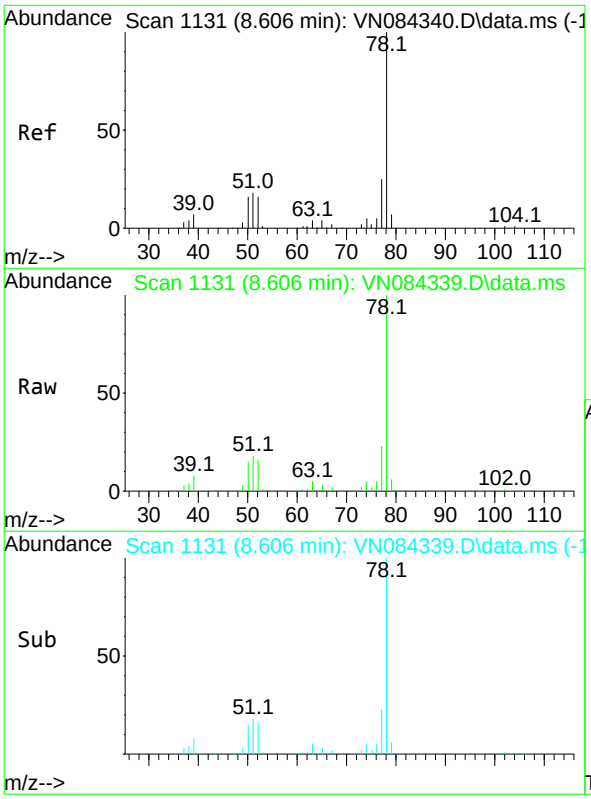
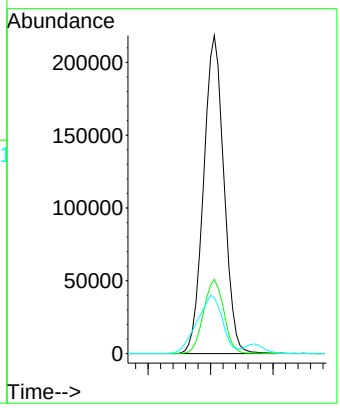
Supervised By :Mahesh Dadoda 10/09/2024

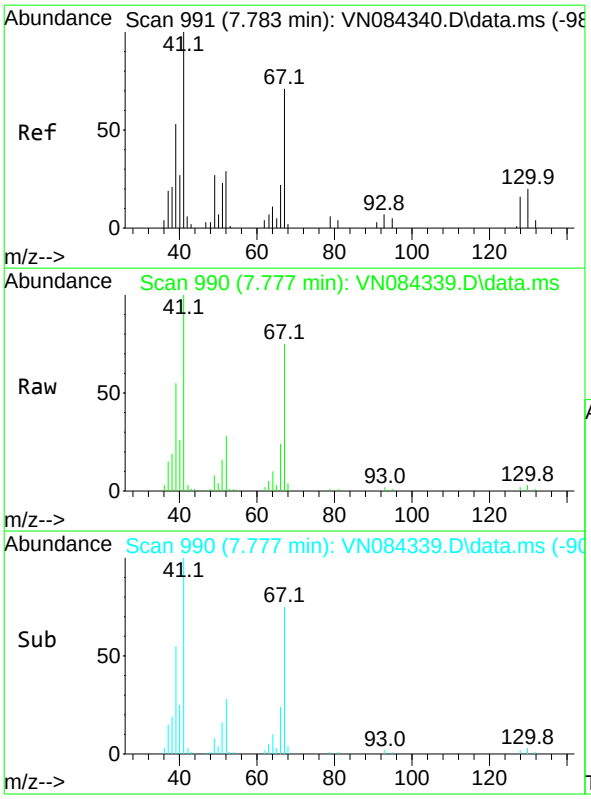


#34
Benzene
Concen: 49.013 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 78 Resp: 494102

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.6	29.4
51	17.4	15.8	23.6

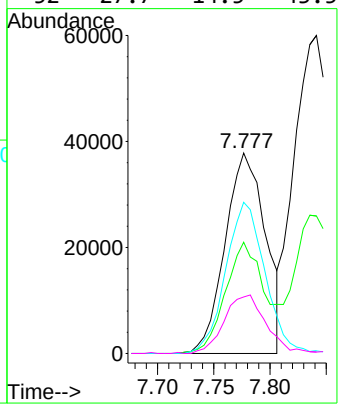




#35
Methacrylonitrile
Concen: 51.695 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 41 Resp: 94562

Ion	Ratio	Lower	Upper
41	100		
39	55.5	26.4	79.0
67	75.4	35.7	107.1
52	27.7	14.5	43.5



Instrument :
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VSTDICC050

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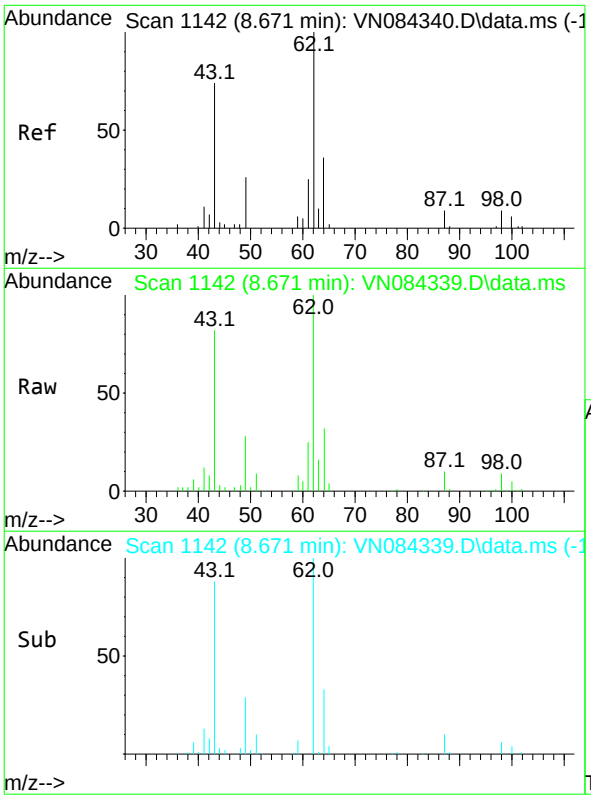
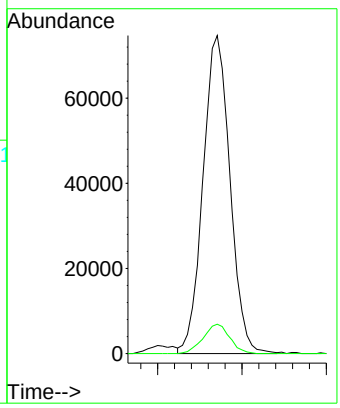
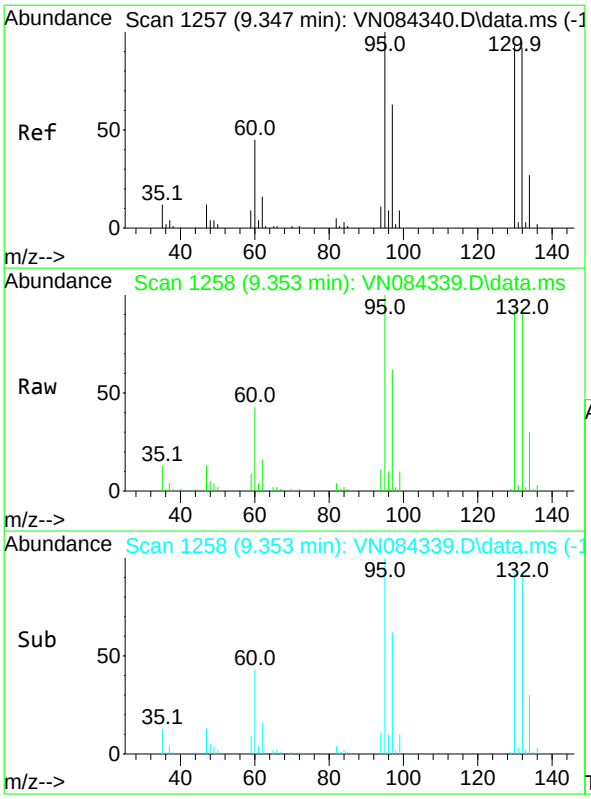


#36
1,2-Dichloroethane
Concen: 49.385 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 62 Resp: 165947

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

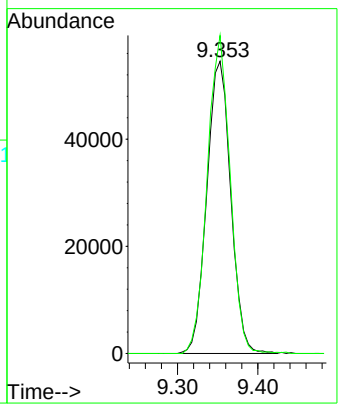




#37
Trichloroethene
Concen: 48.615 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:130 Resp: 112853

Ion	Ratio	Lower	Upper
130	100		
95	108.8	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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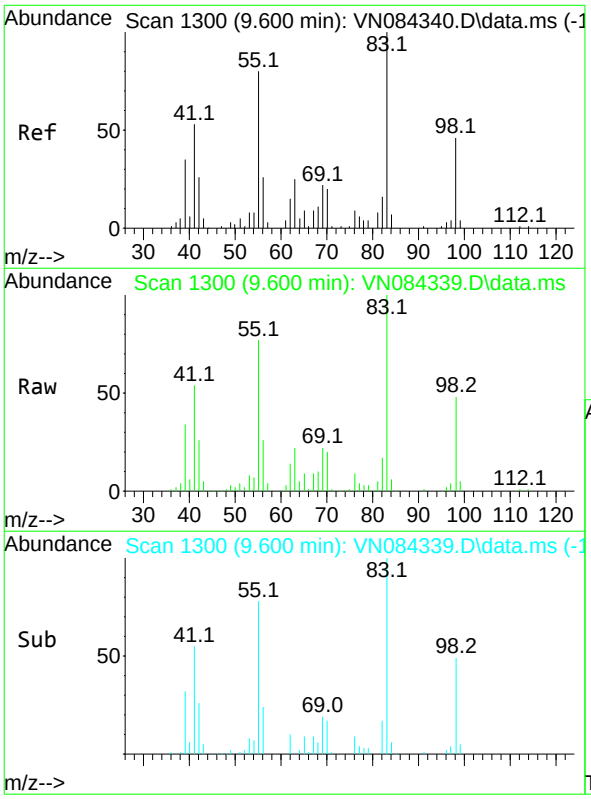
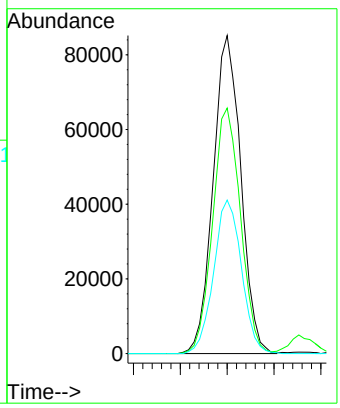
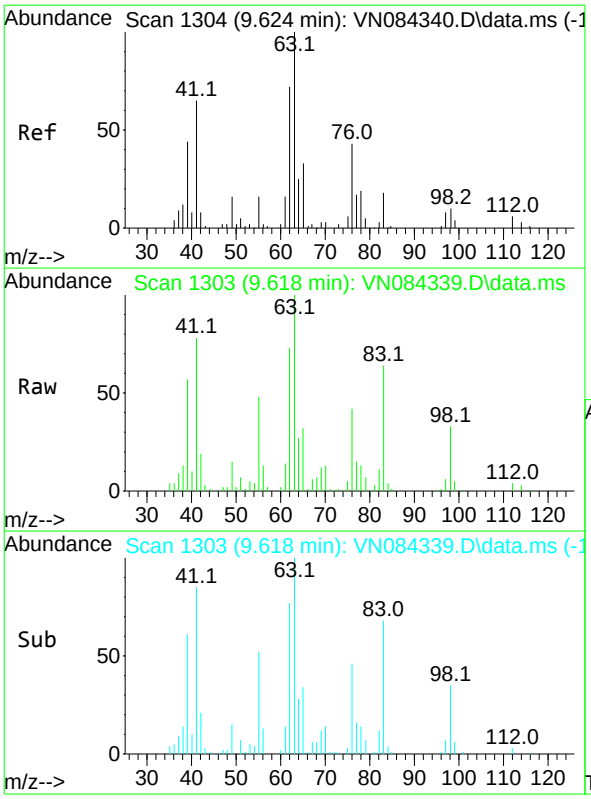


#38
Methylcyclohexane
Concen: 49.477 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 175023

Ion	Ratio	Lower	Upper
83	100		
55	77.6	39.3	117.8
98	48.5	24.0	72.0

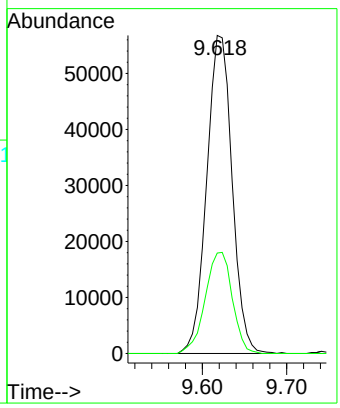




#39
1,2-Dichloropropane
Concen: 48.292 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 63 Resp: 118717

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5



Instrument :
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ClientSampleId :
VSTDICC050

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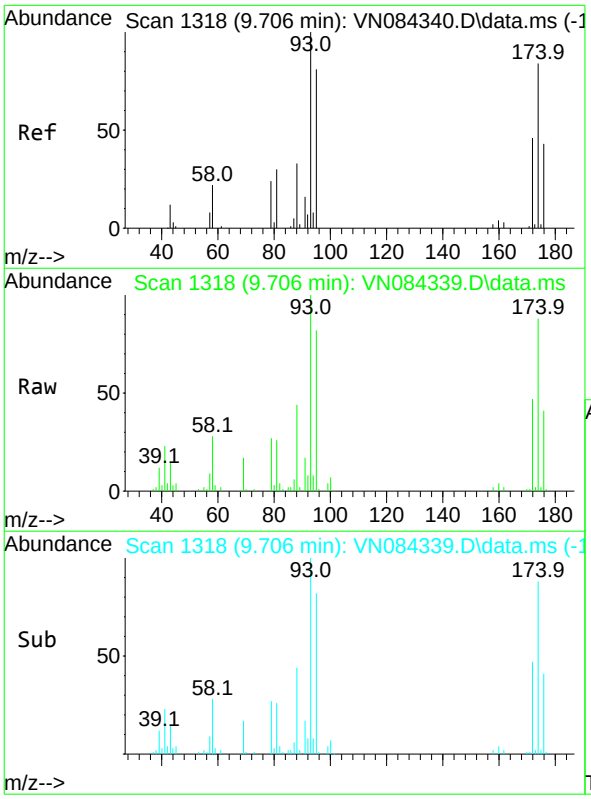
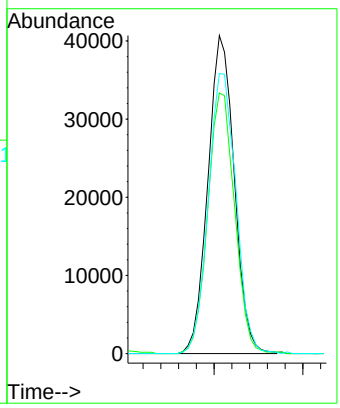
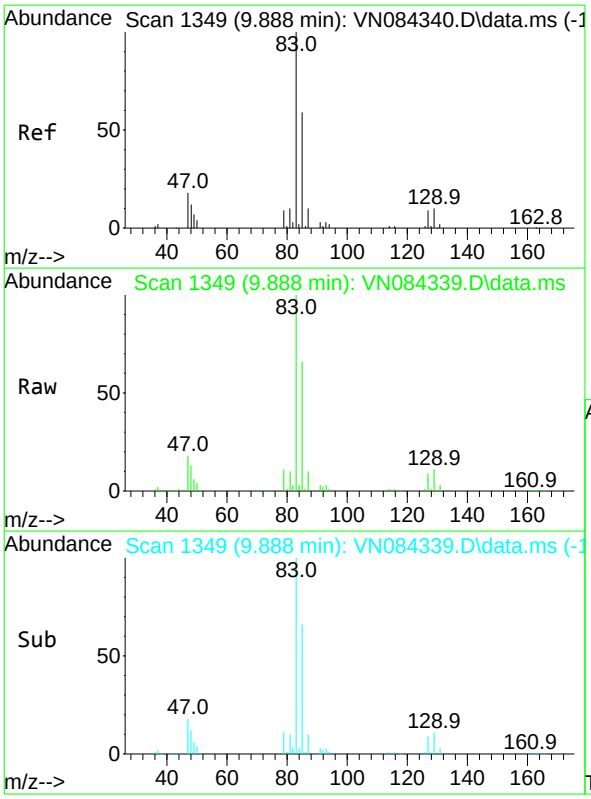


#40
Dibromomethane
Concen: 48.900 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 93 Resp: 84017

Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	171.4
174	92.1	0.0	183.0

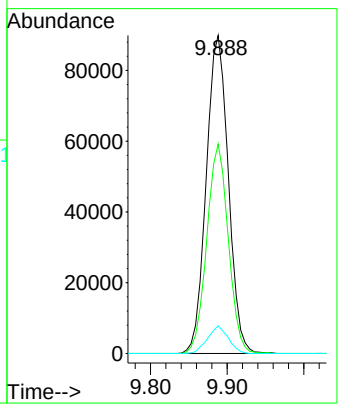




#41
Bromodichloromethane
Concen: 49.283 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 179758

Ion	Ratio	Lower	Upper
83	100		
85	65.9	47.1	70.7
127	8.7	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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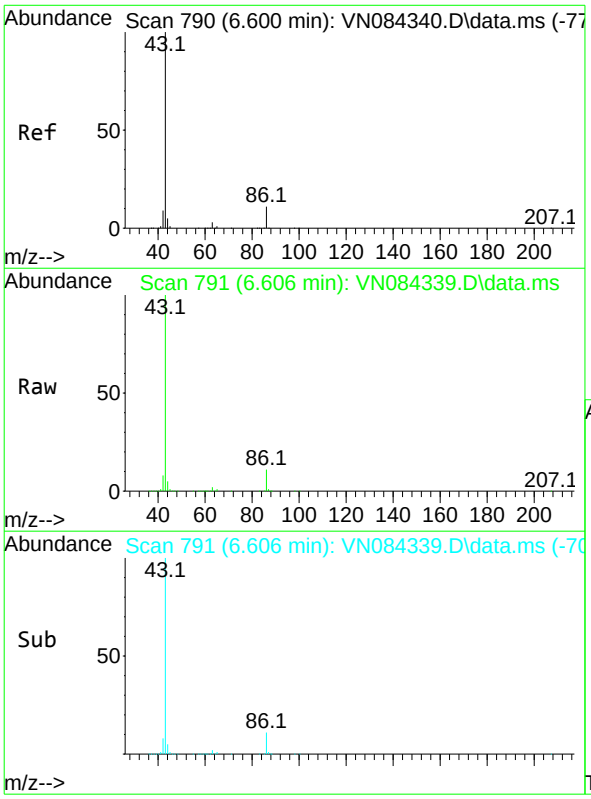
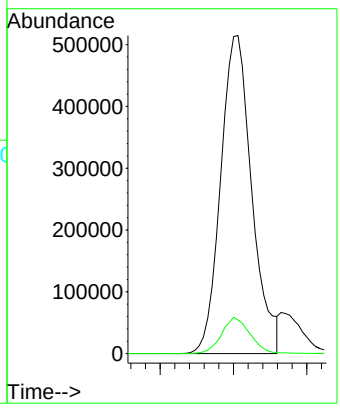
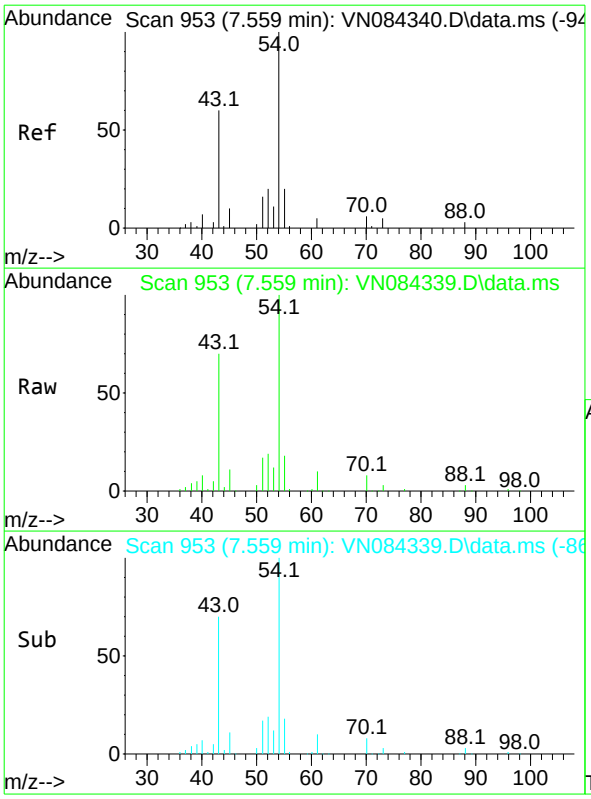


#42
Vinyl Acetate
Concen: 254.948 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 1520354

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7

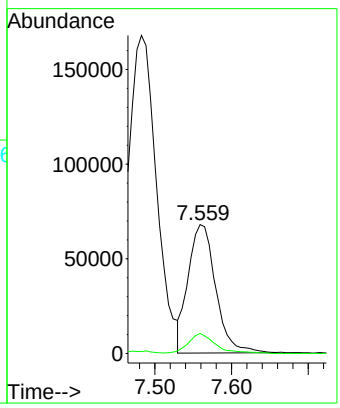




#43
Ethyl Acetate
Concen: 49.954 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 168929

Ion	Ratio	Lower	Upper
43	100		
45	15.5	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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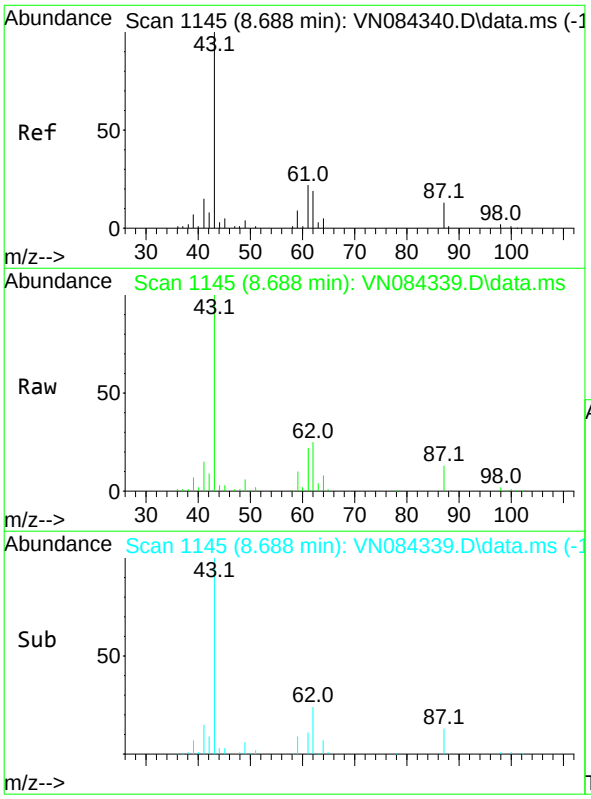
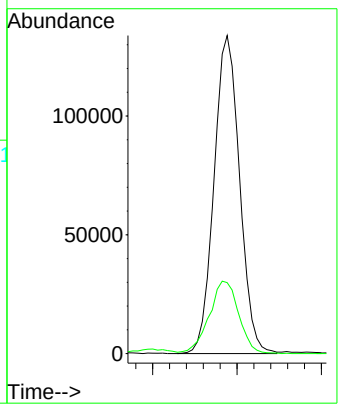
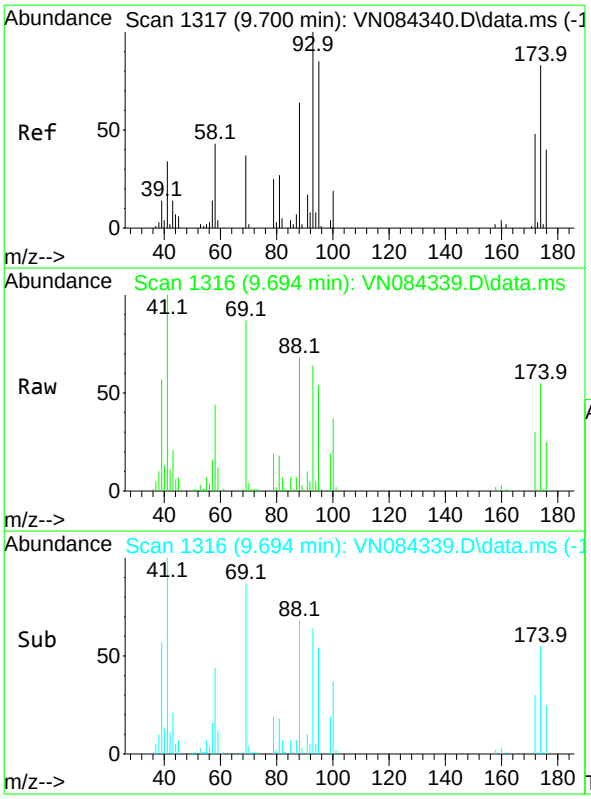


#44
Isopropyl Acetate
Concen: 50.934 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 281915

Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.4	32.2

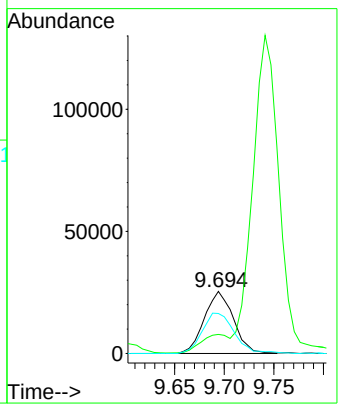




#45
1,4-Dioxane
Concen: 1038.003 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 88 Resp: 51791

Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.4	33.6
58	70.2	59.7	89.5



Instrument :
MSVOA_N
ClientSampleId :
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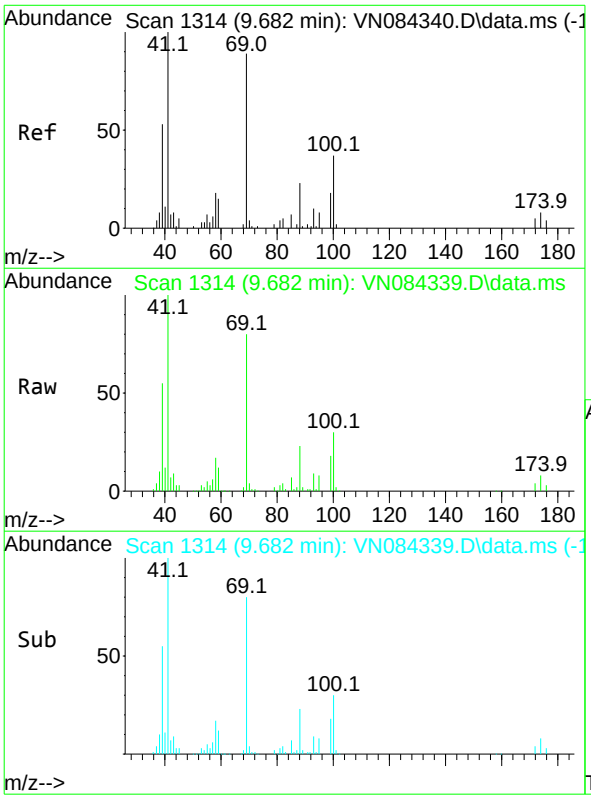
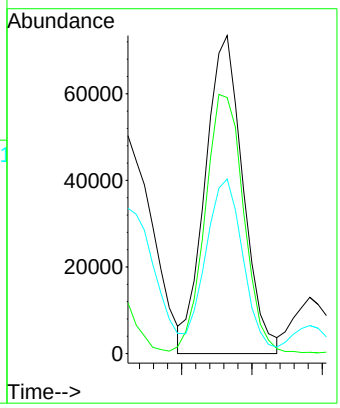
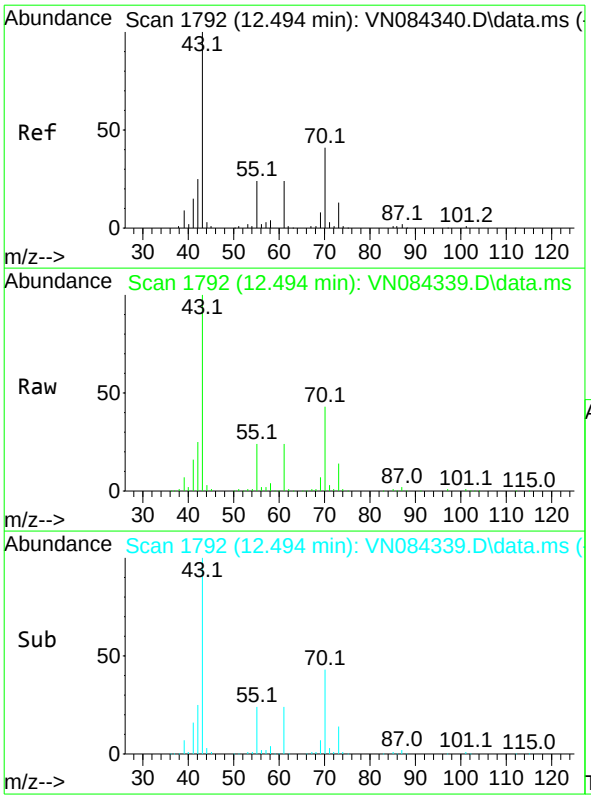


#46
Methyl methacrylate
Concen: 51.368 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 41 Resp: 137372

Ion	Ratio	Lower	Upper
41	100		
69	83.1	42.6	128.0
39	55.6	27.5	82.4

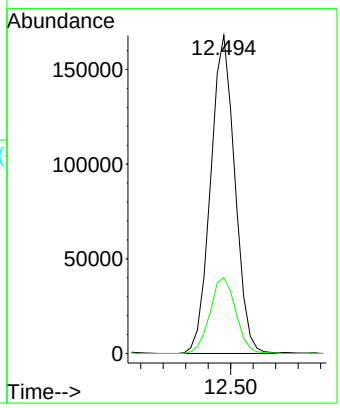




#47
n-amyl Acetate
Concen: 51.073 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 251442

Ion	Ratio	Lower	Upper
43	100		
55	25.4	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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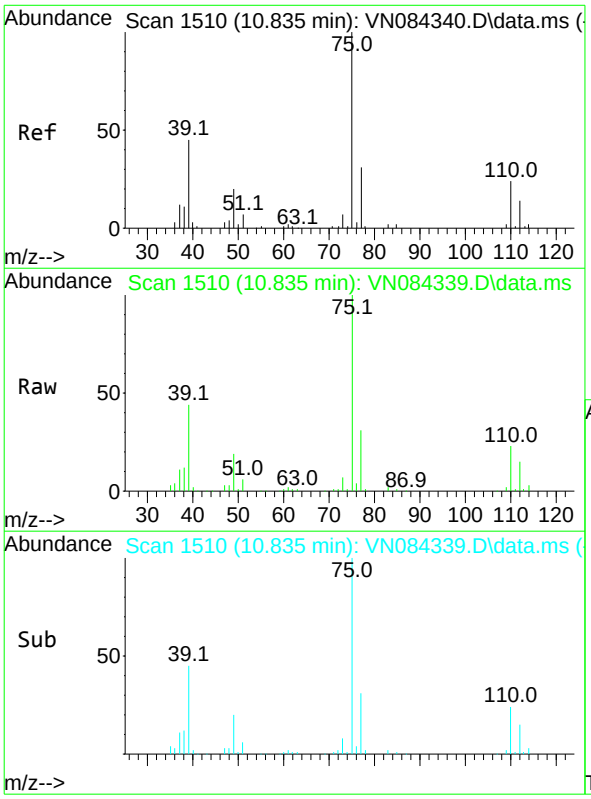
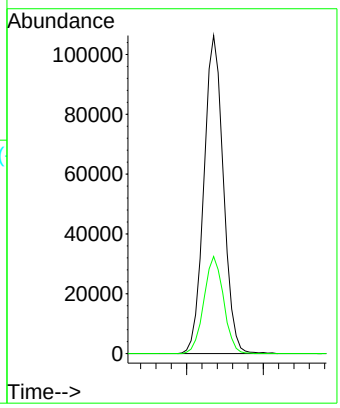
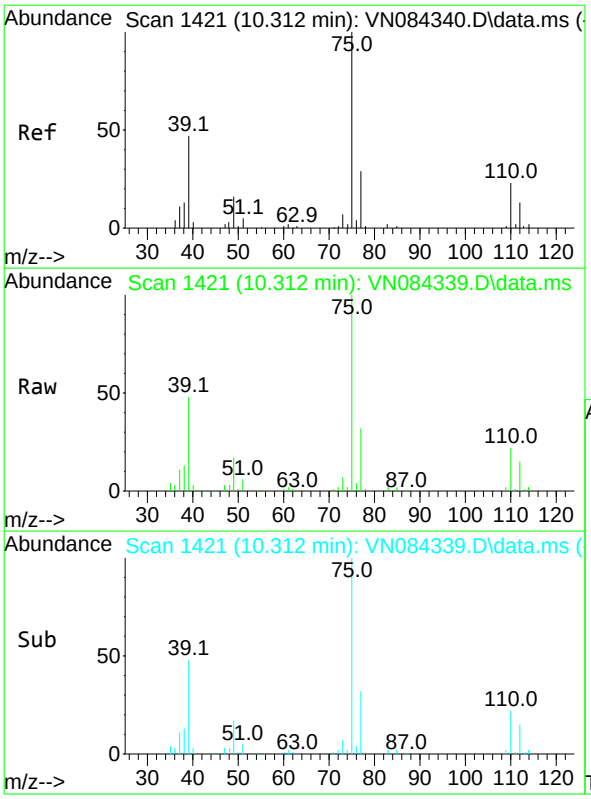


#48
t-1,3-Dichloropropene
Concen: 49.721 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 187402

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	37.0

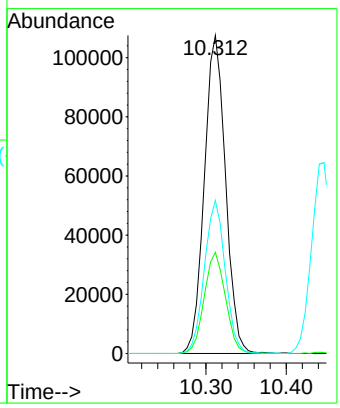




#49
cis-1,3-Dichloropropene
Concen: 49.908 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 197144

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.9	34.3
39	48.1	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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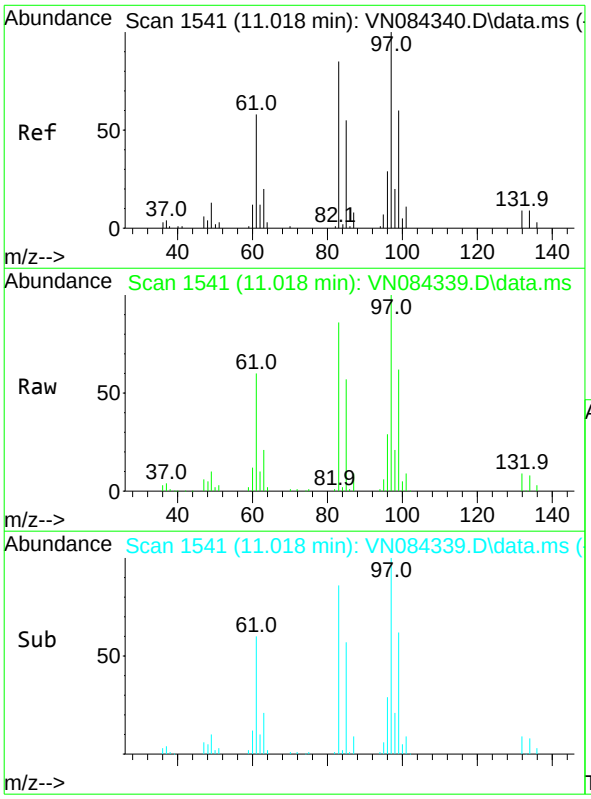
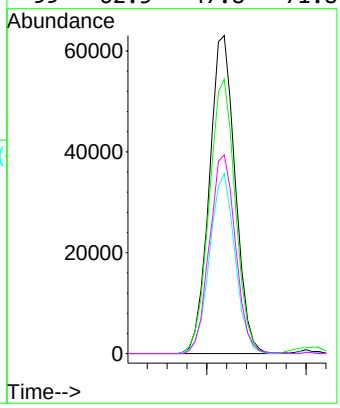
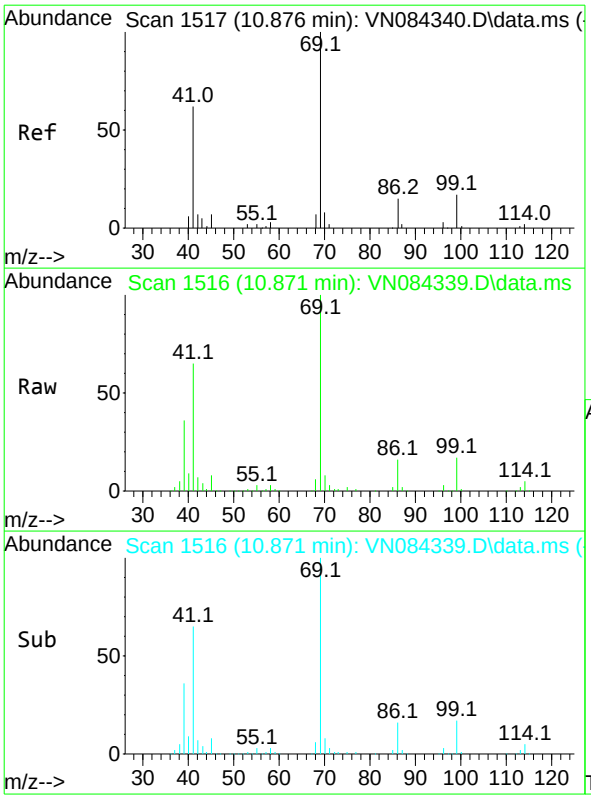


#50
1,1,2-Trichloroethane
Concen: 49.500 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 97 Resp: 114315

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.8	101.8
85	56.6	44.2	66.2
99	62.5	47.8	71.8

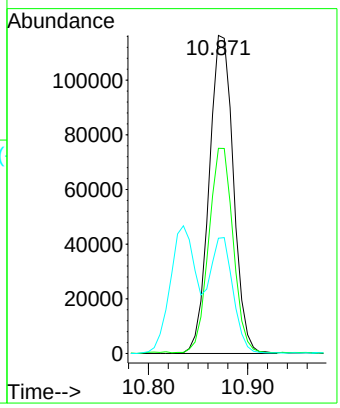




#51
Ethyl methacrylate
Concen: 51.907 ug/l
RT: 10.871 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 69 Resp: 198002

Ion	Ratio	Lower	Upper
69	100		
41	64.3	30.9	92.7
39	36.0	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
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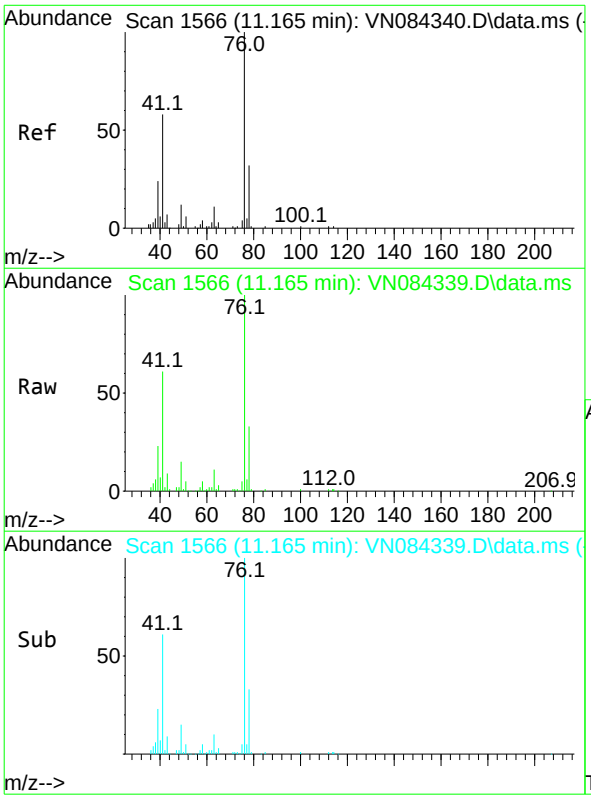
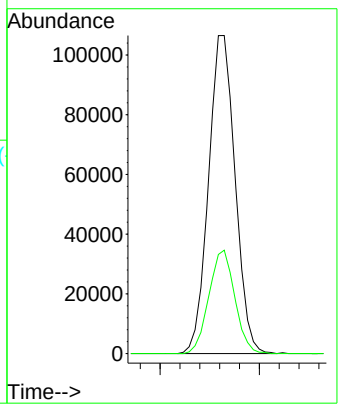
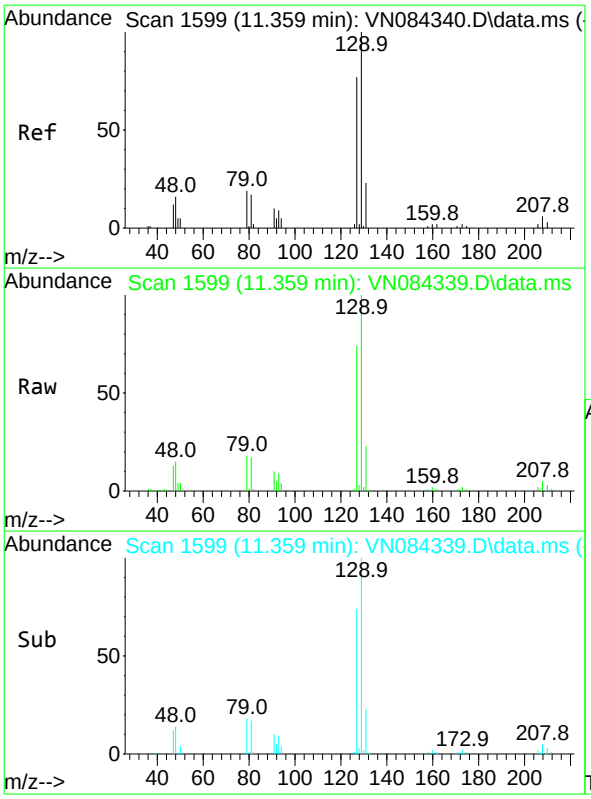


#52
1,3-Dichloropropane
Concen: 49.119 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 76 Resp: 198343

Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	64.2

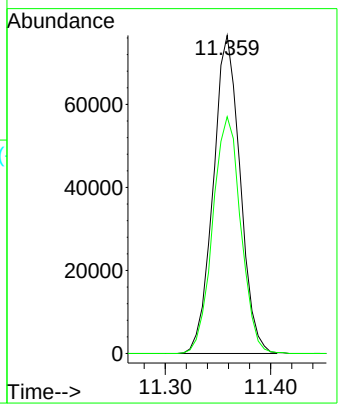




#53
Dibromochloromethane
Concen: 49.816 ug/l
RT: 11.359 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:129 Resp: 135901

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5



Instrument :
MSVOA_N
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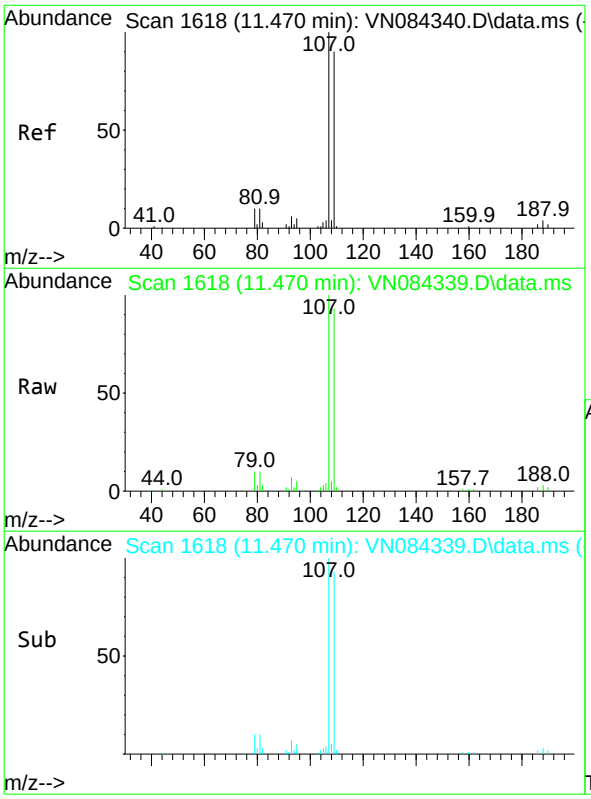
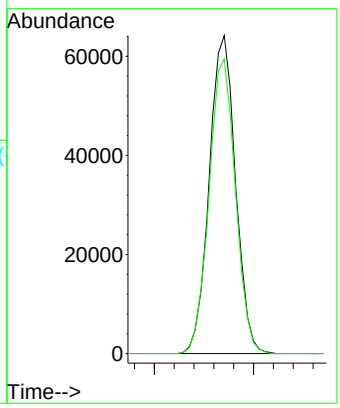
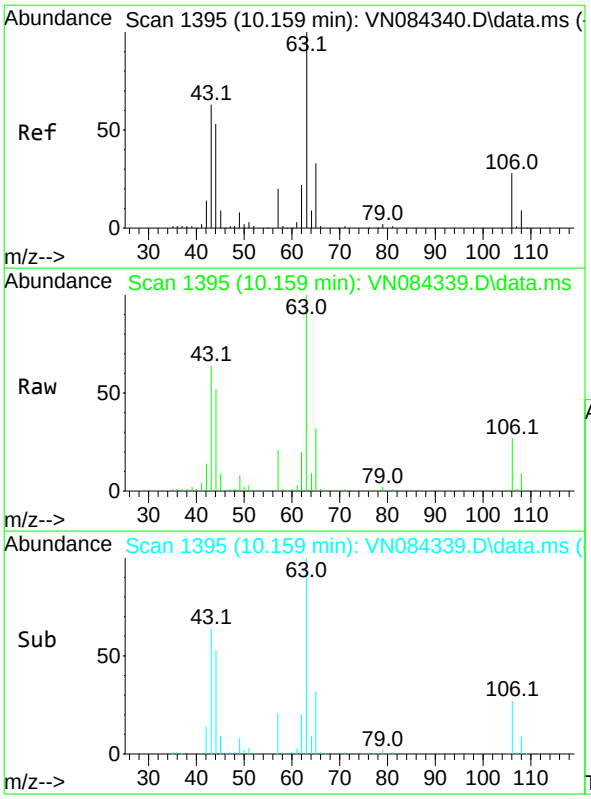


#54
1,2-Dibromoethane
Concen: 49.693 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:107 Resp: 118129

Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.8	110.6

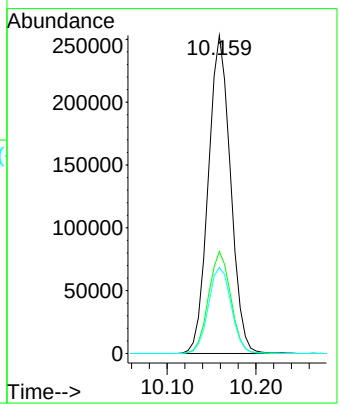




#55
2-Chloroethyl vinyl ether
Concen: 254.264 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 63 Resp: 439901

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.9	21.6	32.4



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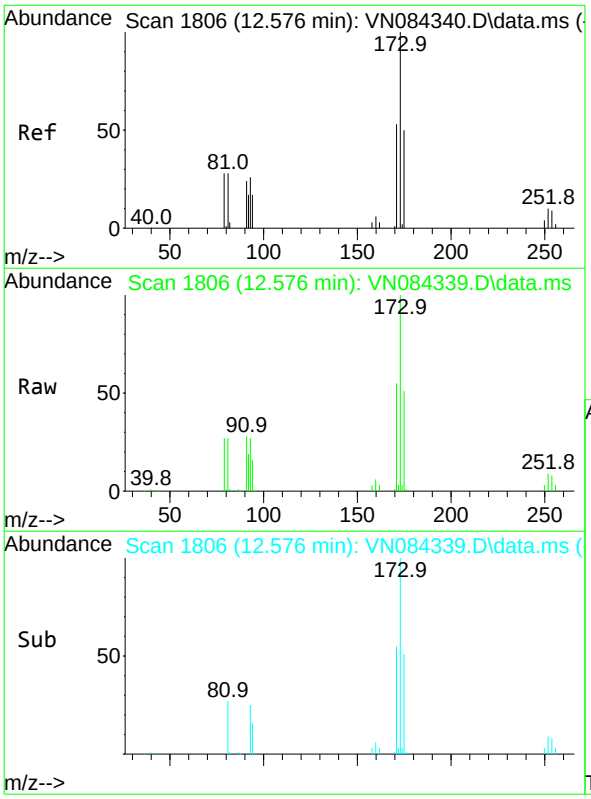
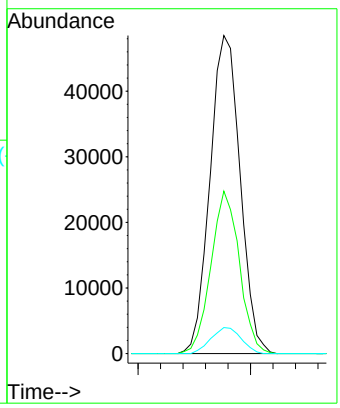
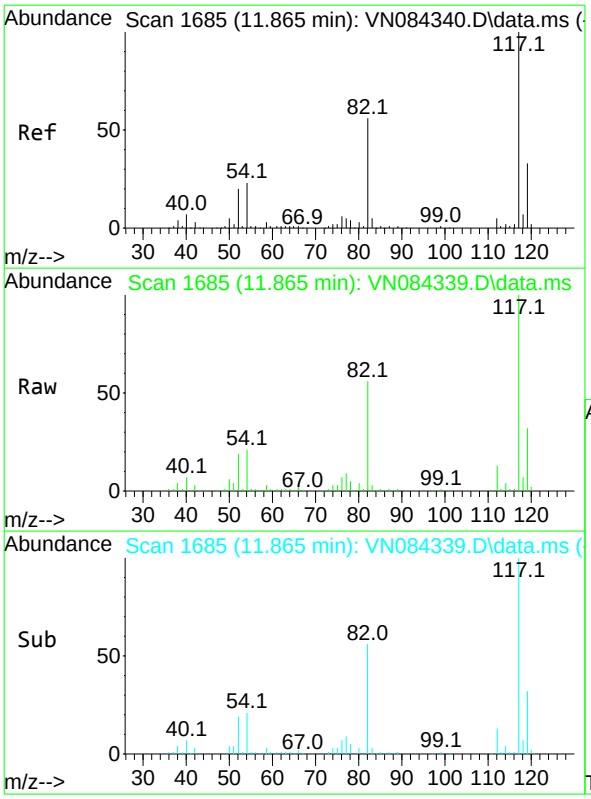


#56
Bromoform
Concen: 49.851 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:173 Resp: 90199

Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.4	59.2
254	8.2	6.8	10.2

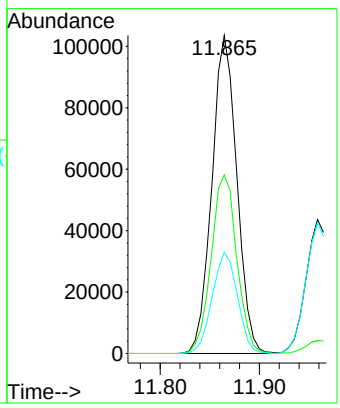




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:117 Resp: 180971

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.2	69.4
119	32.1	25.4	38.2



Instrument :
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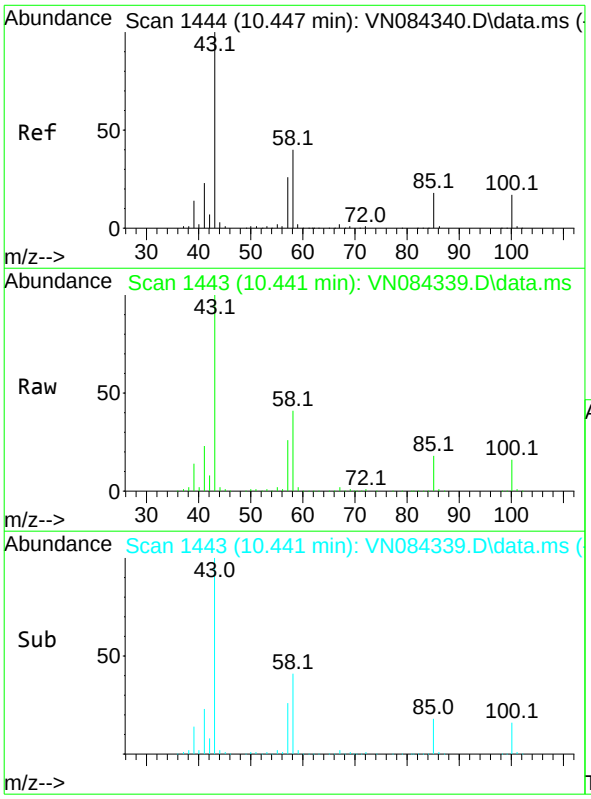
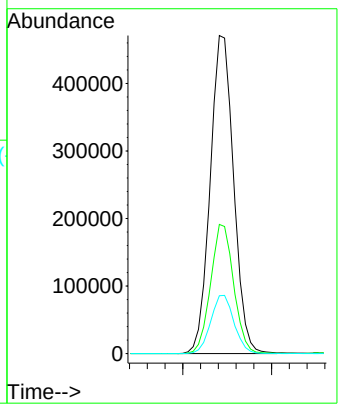
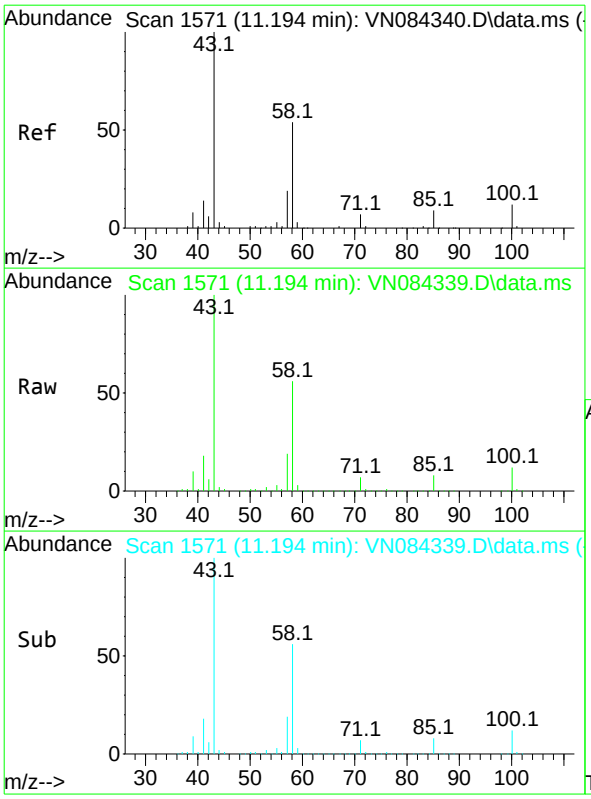


#58
4-Methyl-2-Pentanone
Concen: 256.442 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 864518

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9
85	18.2	14.6	22.0

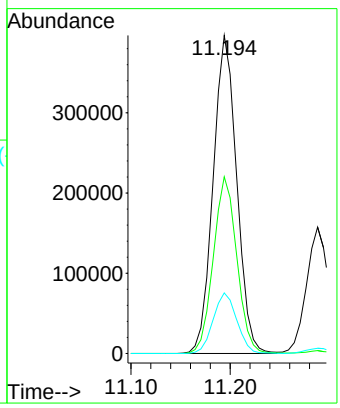




#59
2-Hexanone
Concen: 261.350 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 654698

Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.0	66.0
57	19.1	15.4	23.2



Instrument :
MSVOA_N
ClientSampleId :
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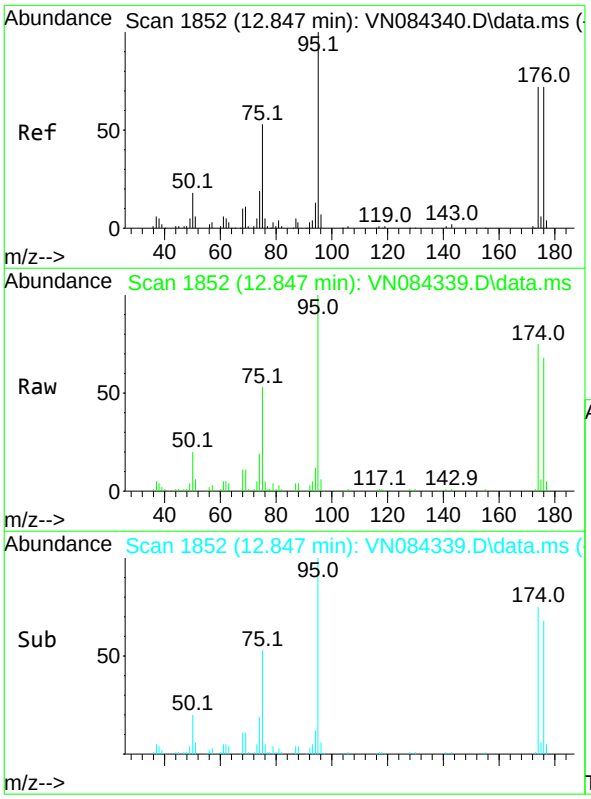
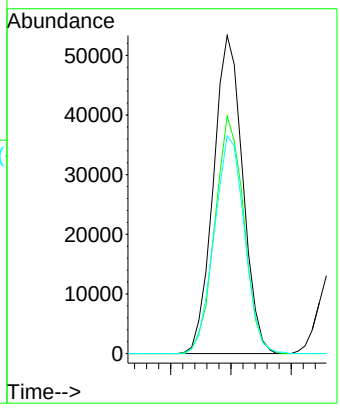
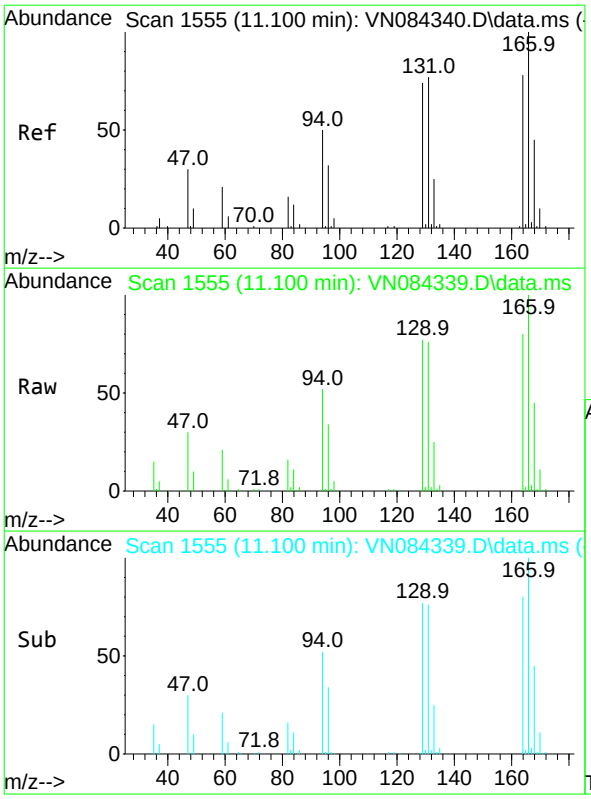


#60
4-Bromofluorobenzene
Concen: 30.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 95 Resp: 90206

Ion	Ratio	Lower	Upper
95	100		
174	73.7	58.2	87.2
176	70.7	56.4	84.6

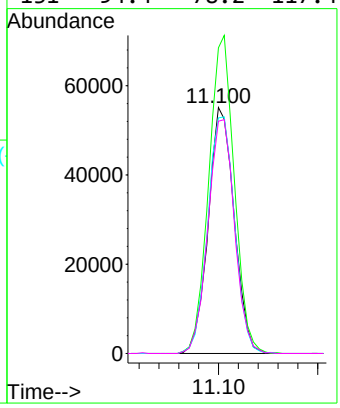




#61
Tetrachloroethene
Concen: 48.875 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:164 Resp: 100050

Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.5	153.7
129	95.8	75.7	113.5
131	94.4	78.2	117.4



Instrument :
MSVOA_N
ClientSampleId :
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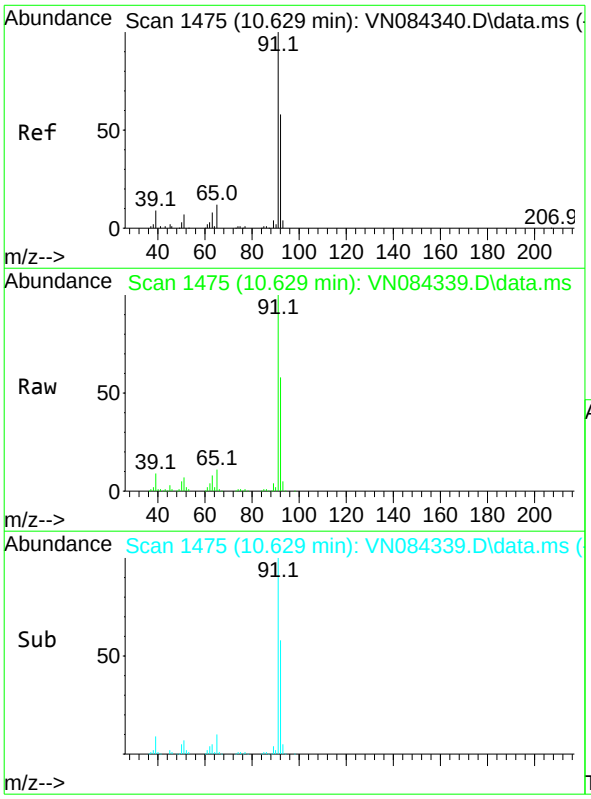
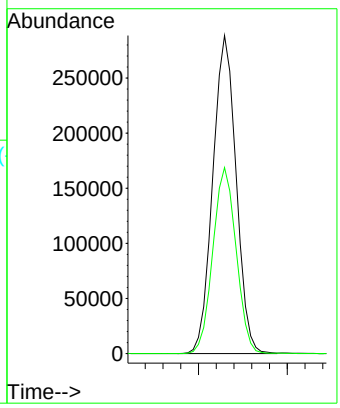
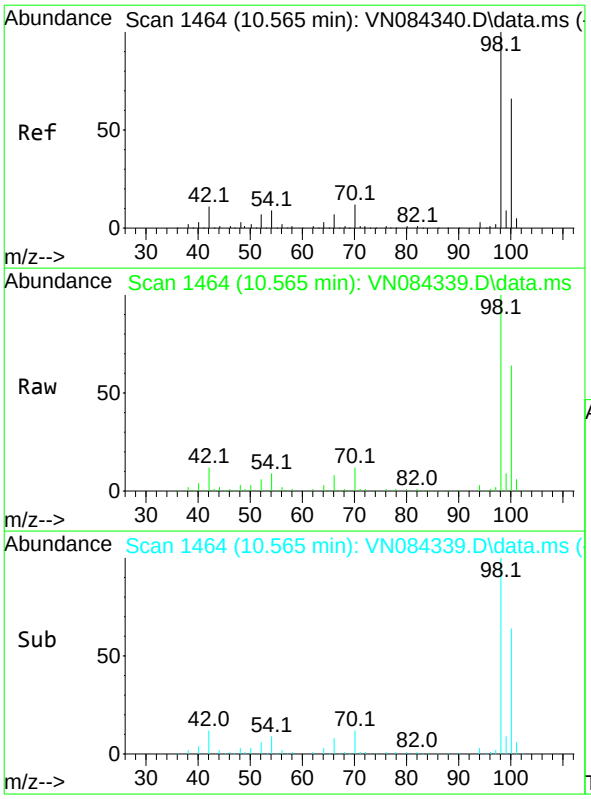


#62
Toluene
Concen: 49.707 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 526619

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.2	70.8

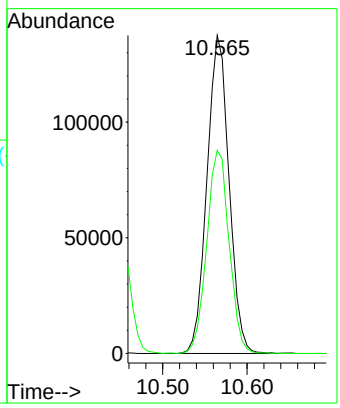




#63
Toluene-d8
Concen: 29.750 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 98 Resp: 249414

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7



Instrument :
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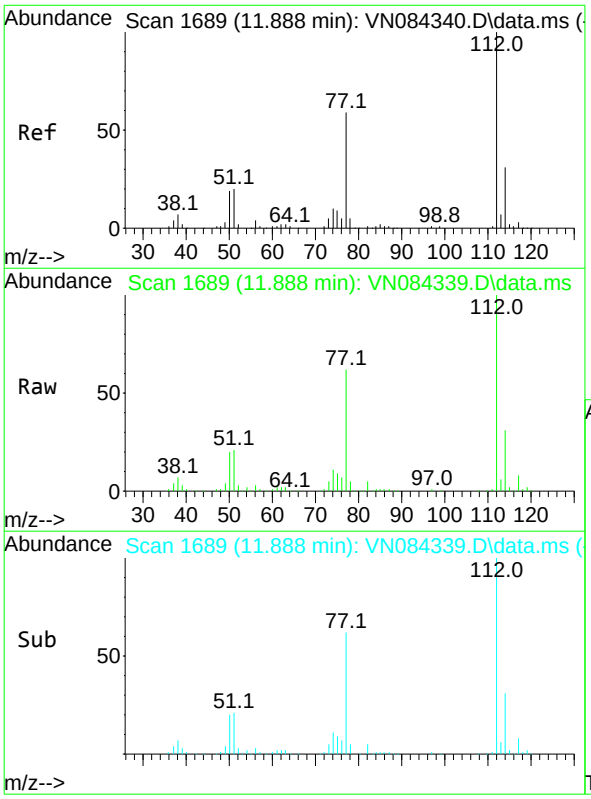
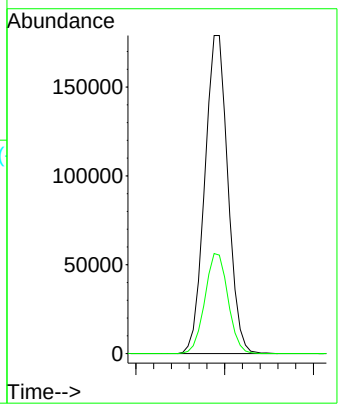
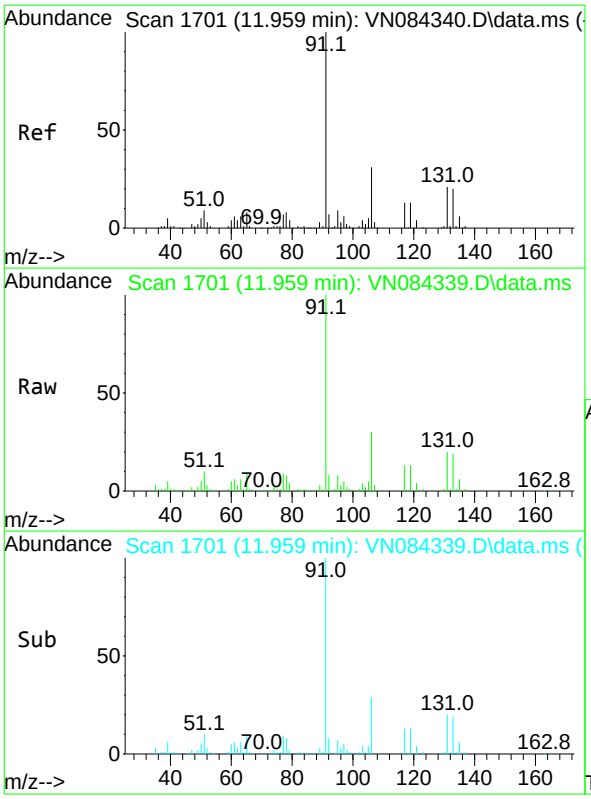


#64
Chlorobenzene
Concen: 49.023 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:112 Resp: 323202

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7





#65
1,1,1,2-Tetrachloroethane
Concen: 50.043 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:131 Resp: 114617

Ion	Ratio	Lower	Upper
131	100		
133	95.7	0.0	190.4
119	65.8	0.0	130.0

Instrument :
MSVOA_N
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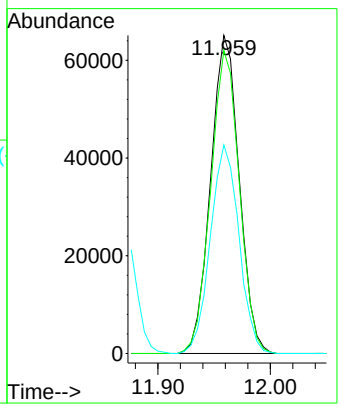
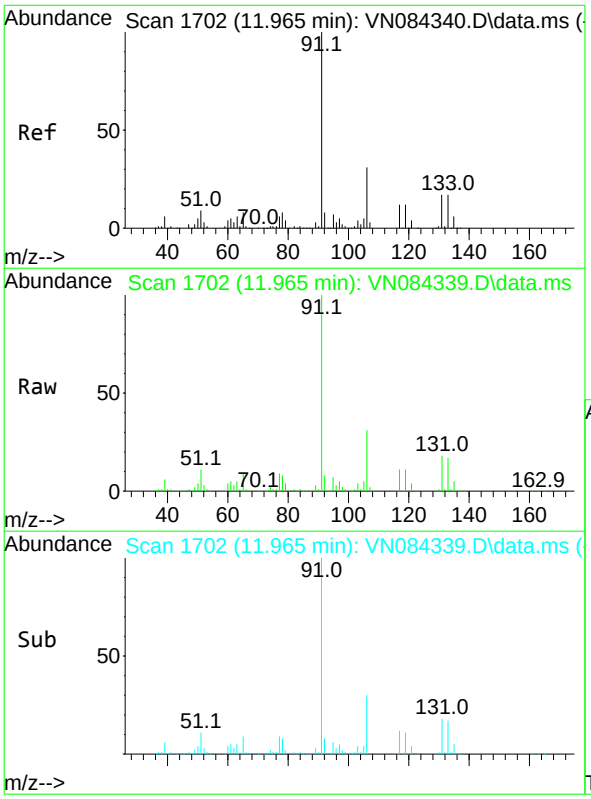
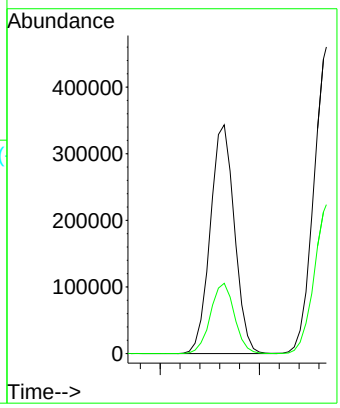


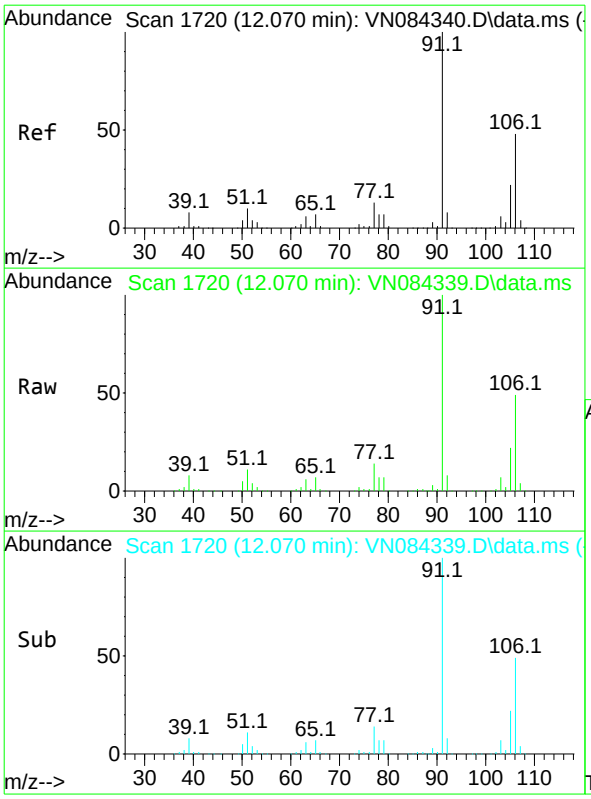


#66
Ethyl Benzene
Concen: 50.583 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 582229

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.2	37.8

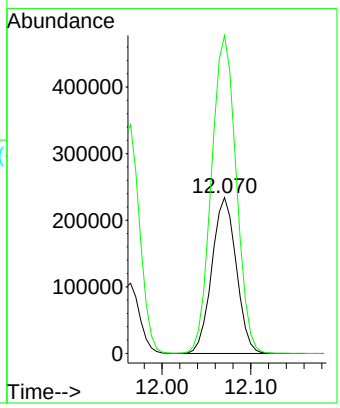




#67
m/p-Xylenes
Concen: 102.264 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:106 Resp: 446529

Ion	Ratio	Lower	Upper
106	100		
91	207.3	166.7	250.1



Instrument :
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ClientSampleId :
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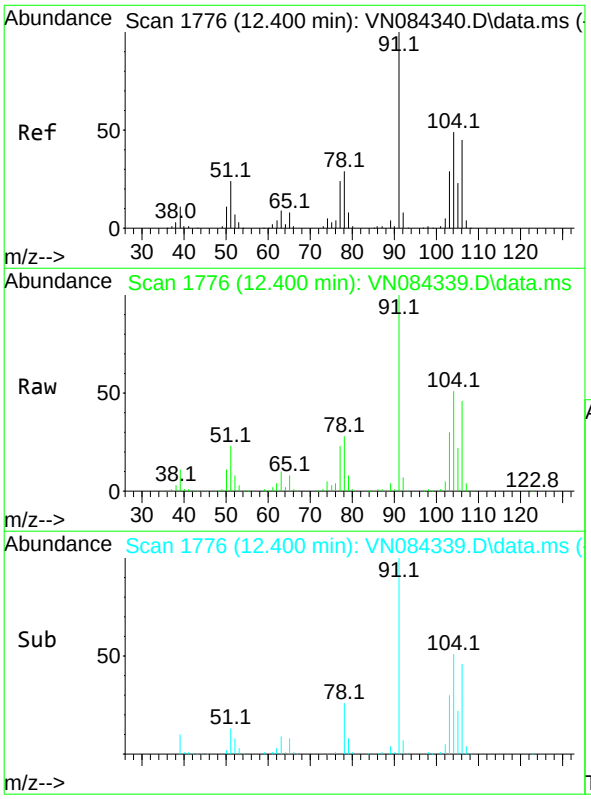
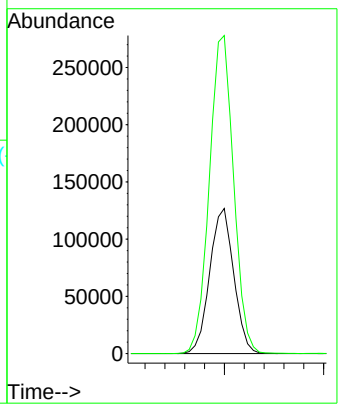
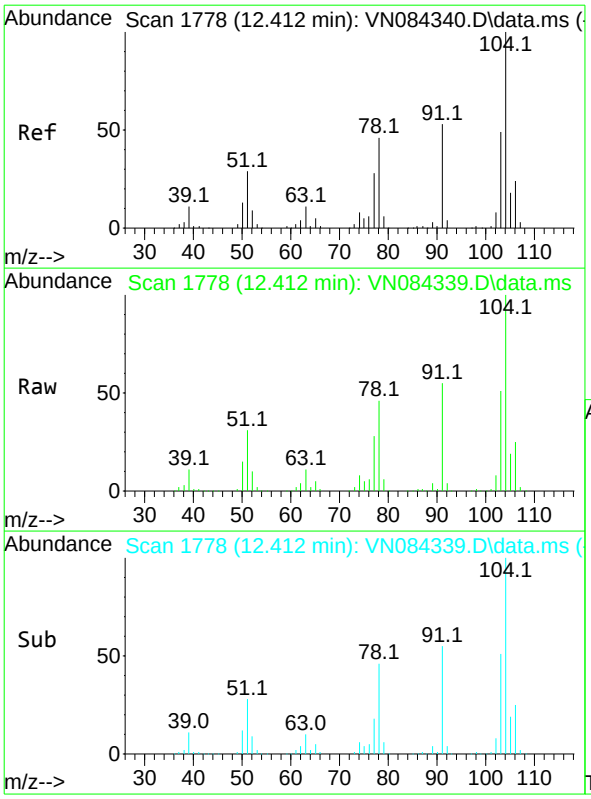


#68
o-Xylene
Concen: 50.765 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:106 Resp: 213661

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.9	332.9

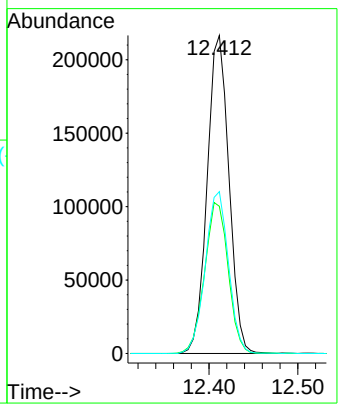




#69
Styrene
Concen: 51.169 ug/l
RT: 12.412 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:104 Resp: 369695

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.6	62.4
103	54.2	44.4	66.6



Instrument :
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ClientSampleId :
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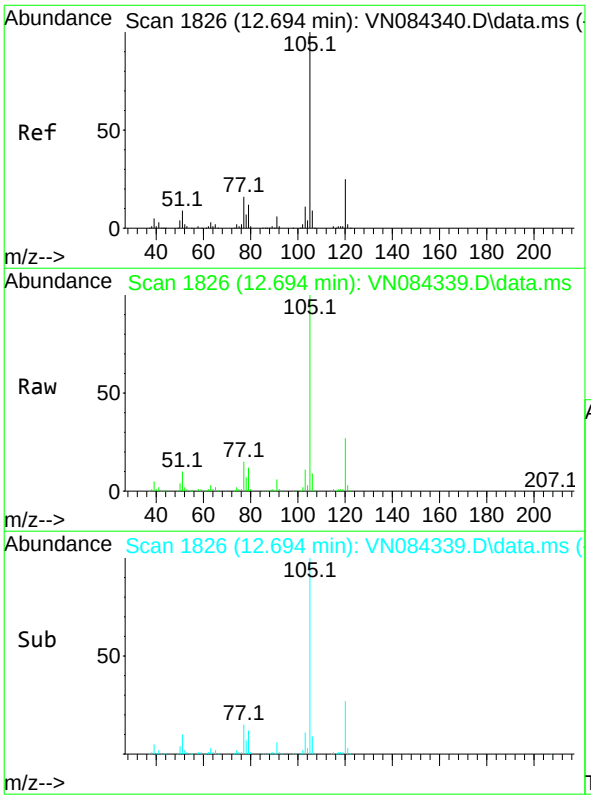
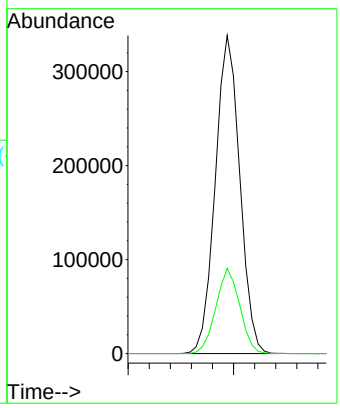
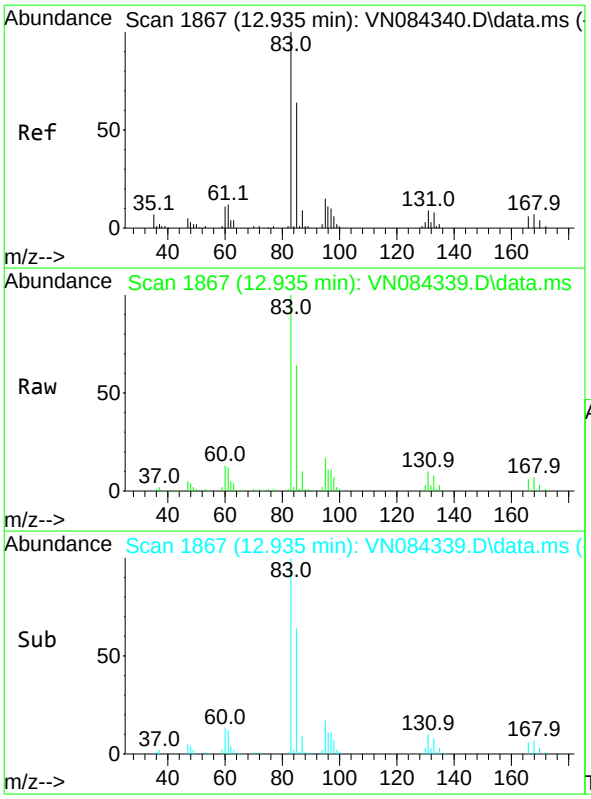


#70
Isopropylbenzene
Concen: 50.894 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:105 Resp: 546834

Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.4	32.4

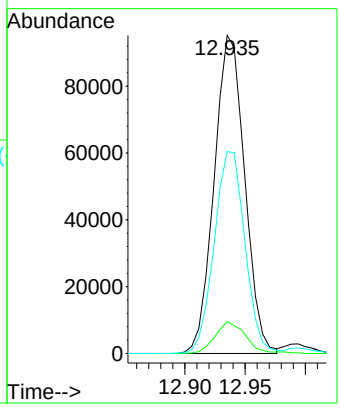




#71
1,1,2,2-Tetrachloroethane
Concen: 50.500 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 167855

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.0	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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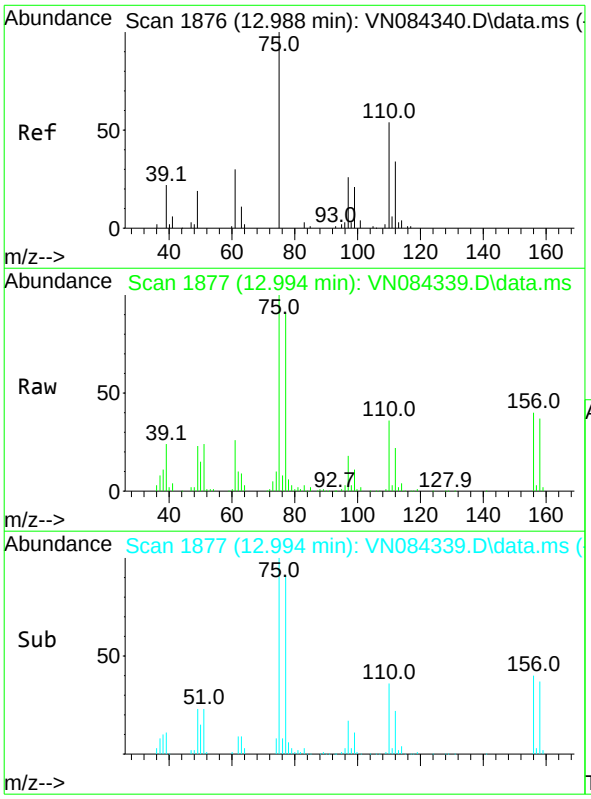
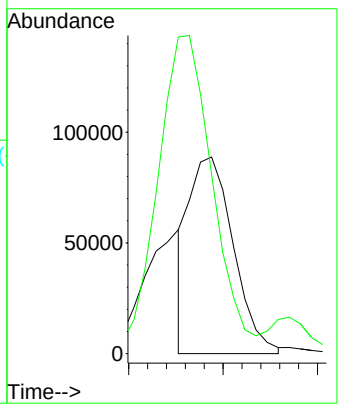
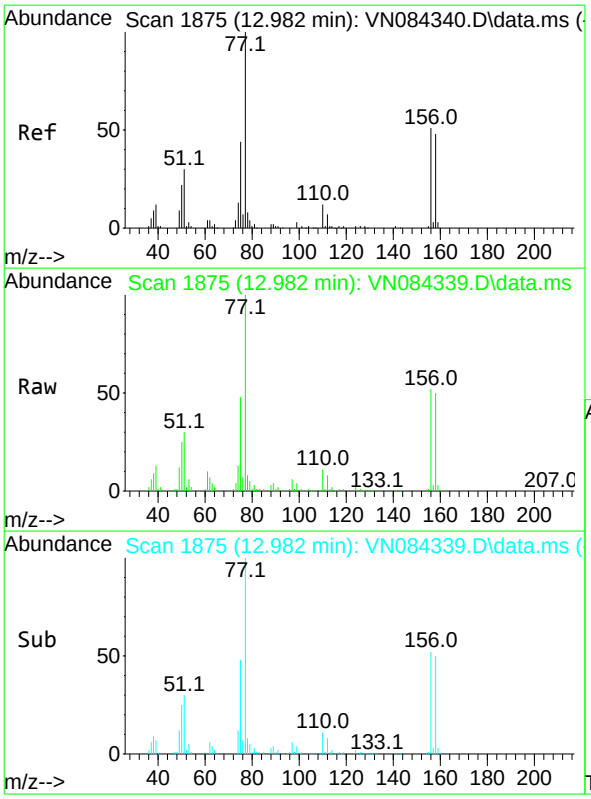


#72
1,2,3-Trichloropropane
Concen: 50.872 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 144614

Ion	Ratio	Lower	Upper
75	100		
77	200.7	0.0	414.0





#73
Bromobenzene
Concen: 50.447 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:156 Resp: 131272

Ion	Ratio	Lower	Upper
156	100		
77	221.1	0.0	451.0
158	95.7	0.0	194.6

Instrument :
MSVOA_N
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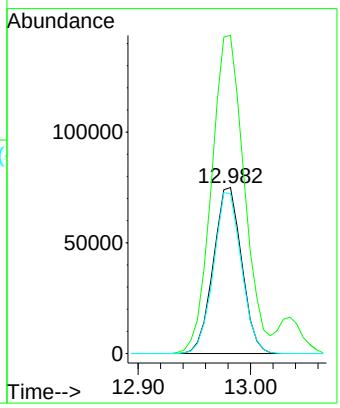
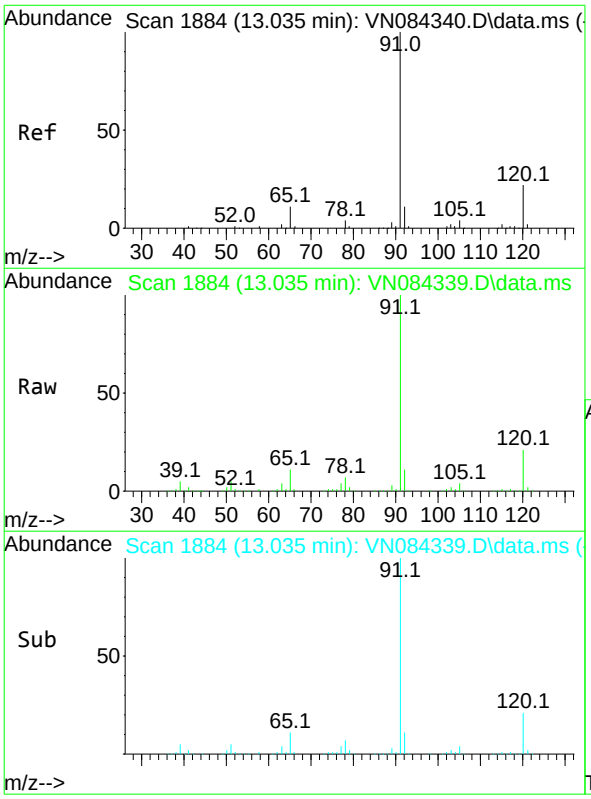
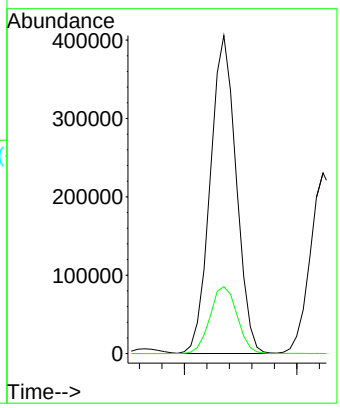


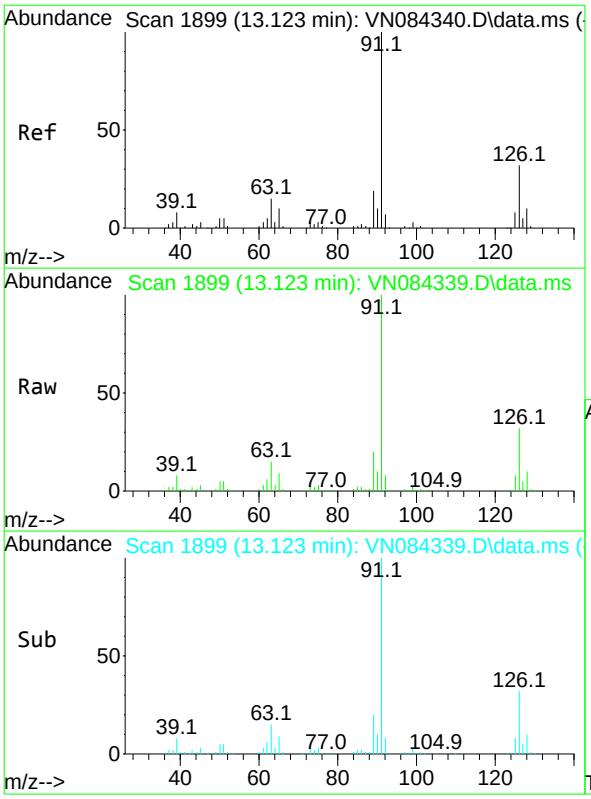


#74
n-propylbenzene
Concen: 50.836 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 650890

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	43.2

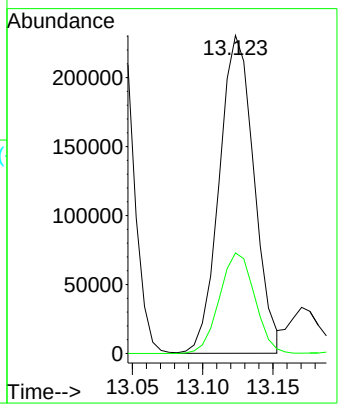




#75
2-Chlorotoluene
Concen: 49.834 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 396493

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0



Instrument :
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ClientSampleId :
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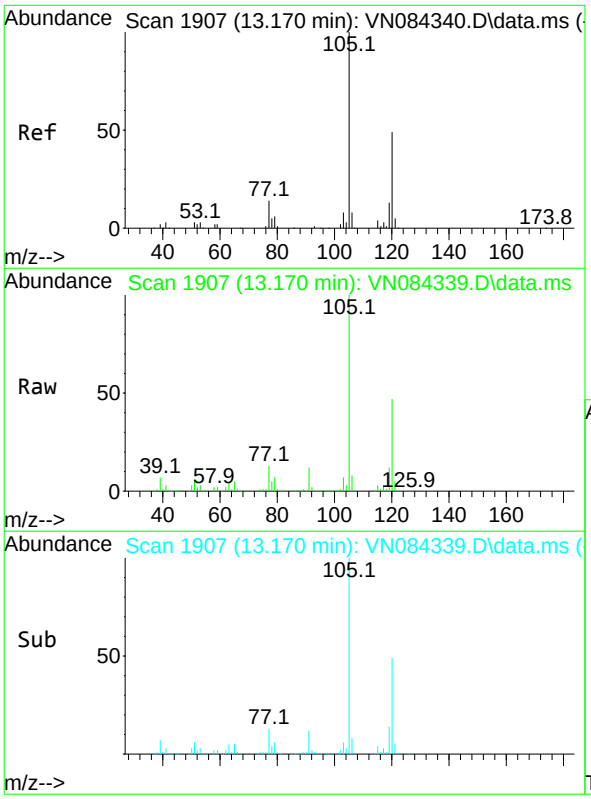
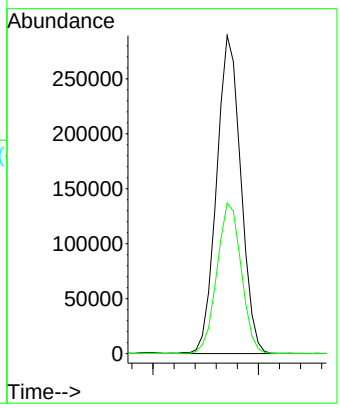
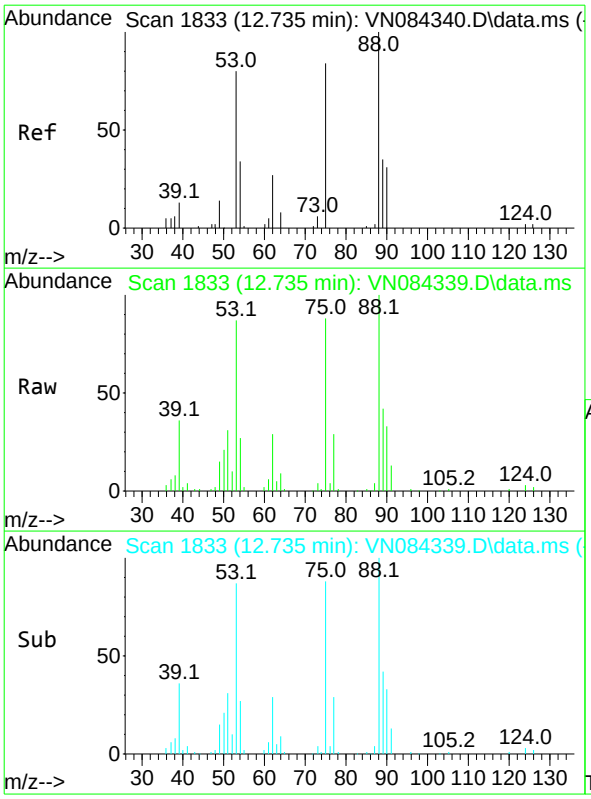


#76
1,3,5-Trimethylbenzene
Concen: 51.064 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:105 Resp: 461964

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.4

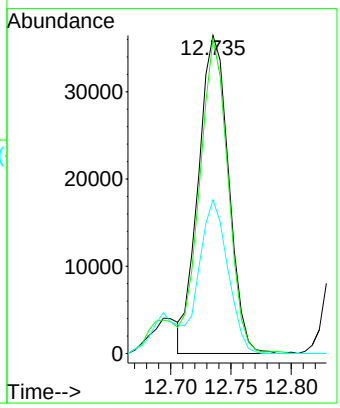




#77
t-1,4-Dichloro-2-butene
Concen: 52.330 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 63656

Ion	Ratio	Lower	Upper
75	100		
53	98.3	47.3	142.0
89	48.3	22.9	68.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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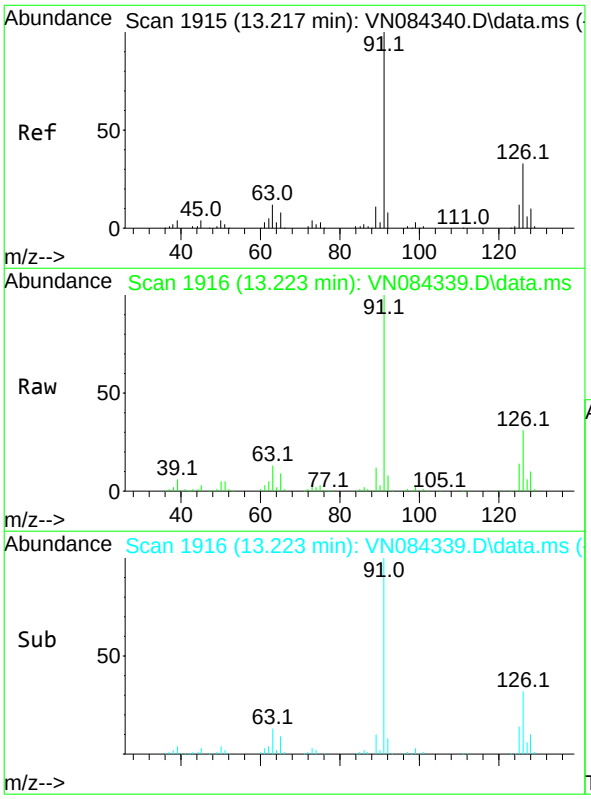
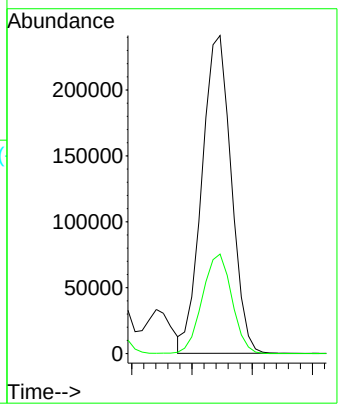
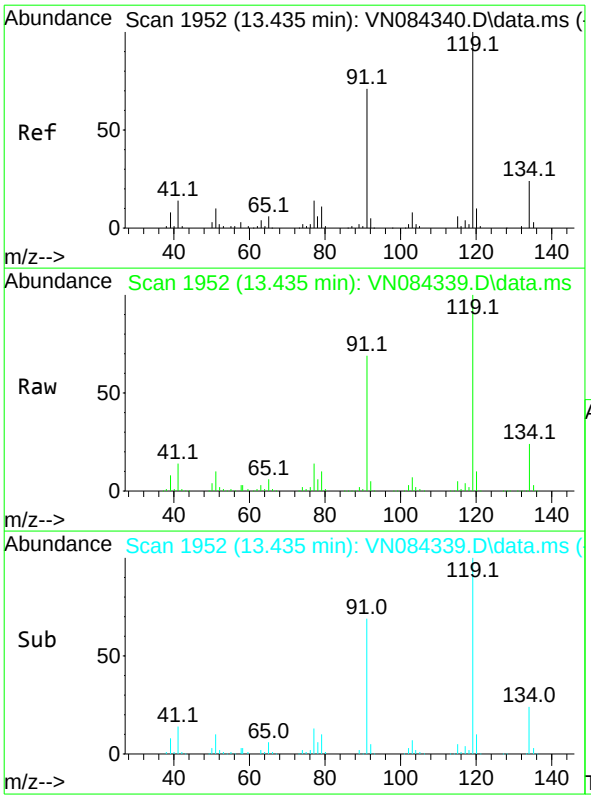


#78
4-Chlorotoluene
Concen: 50.410 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 407771

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.4

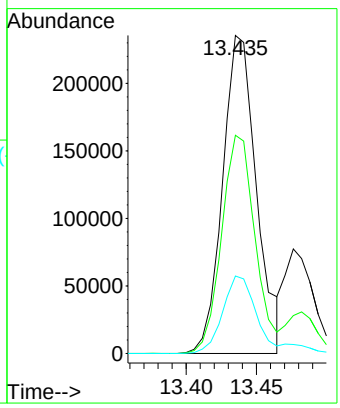




#79
tert-butylbenzene
Concen: 51.169 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:119 Resp: 394929

Ion	Ratio	Lower	Upper
119	100		
91	67.6	0.0	138.0
134	23.6	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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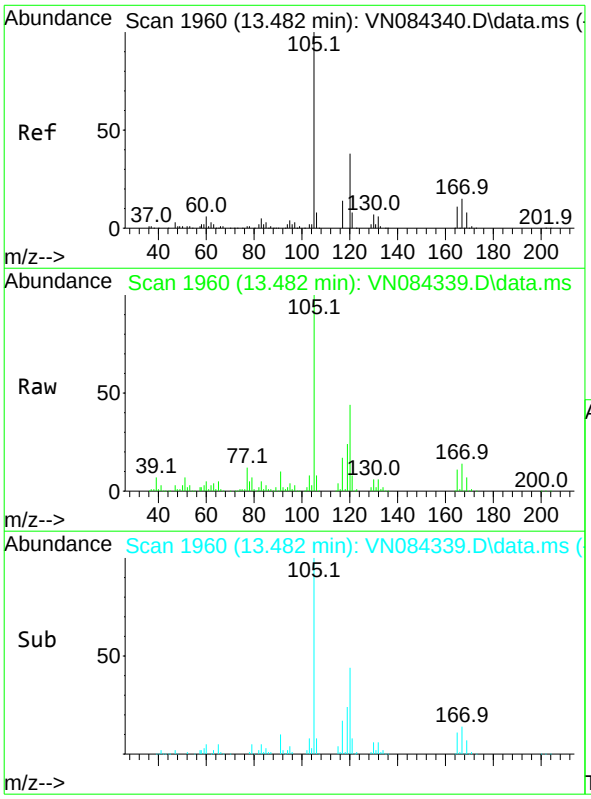
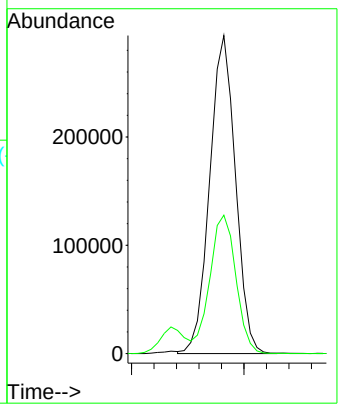
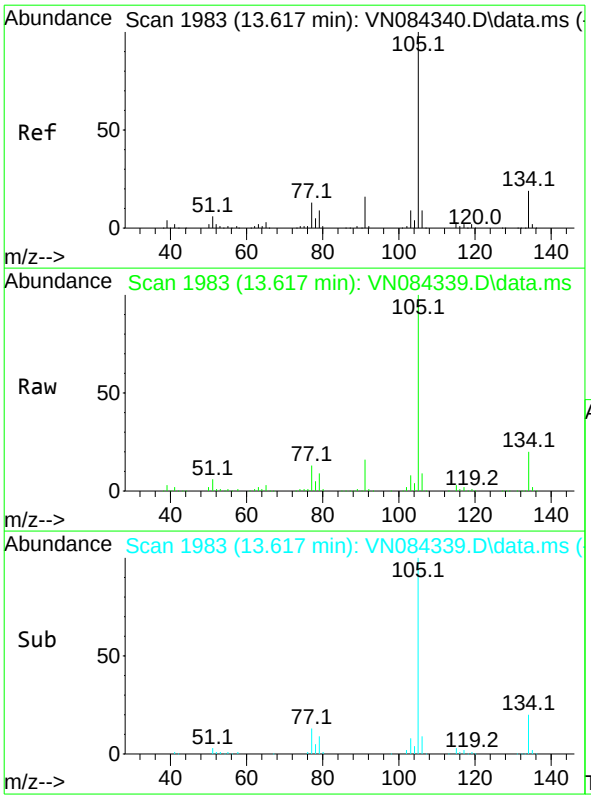


#80
1,2,4-Trimethylbenzene
Concen: 50.939 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:105 Resp: 467589

Ion	Ratio	Lower	Upper
105	100		
120	44.1	0.0	88.8

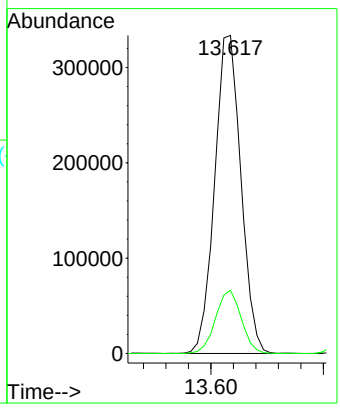




#81
sec-Butylbenzene
Concen: 50.934 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:105 Resp: 541224

Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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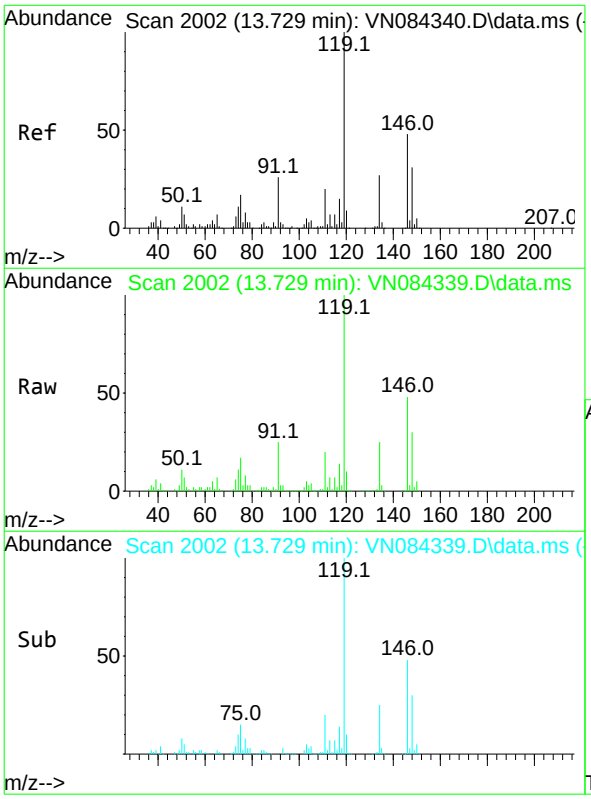
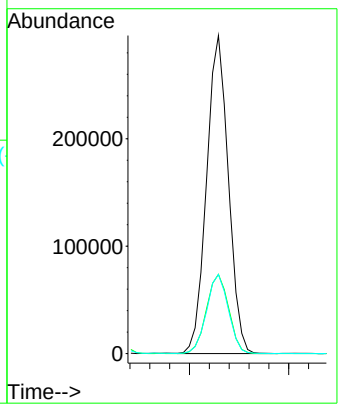
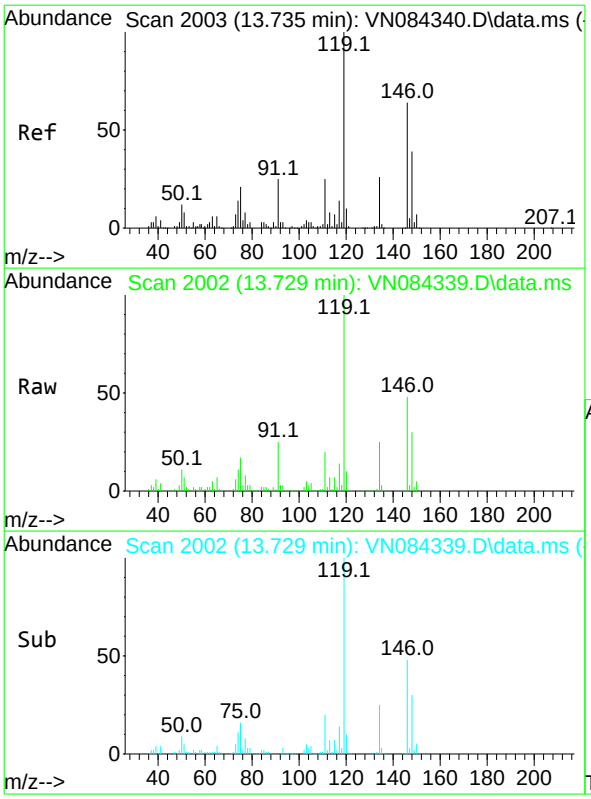


#82
p-Isopropyltoluene
Concen: 50.537 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:119 Resp: 451993

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.2
91	24.9	0.0	50.6

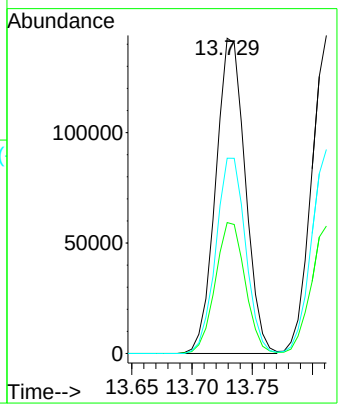




#83
1,3-Dichlorobenzene
Concen: 50.374 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:146 Resp: 243731

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	62.2	31.6	94.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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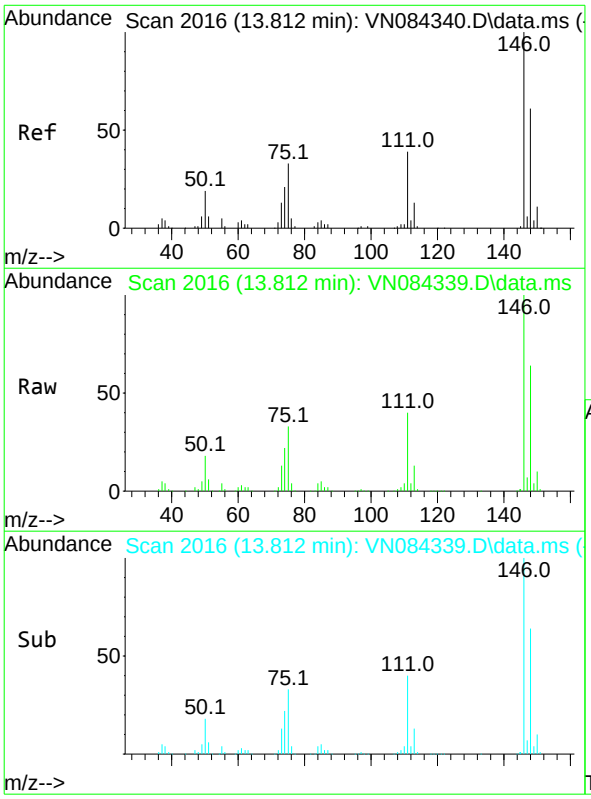
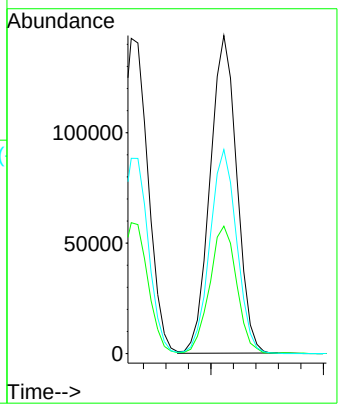
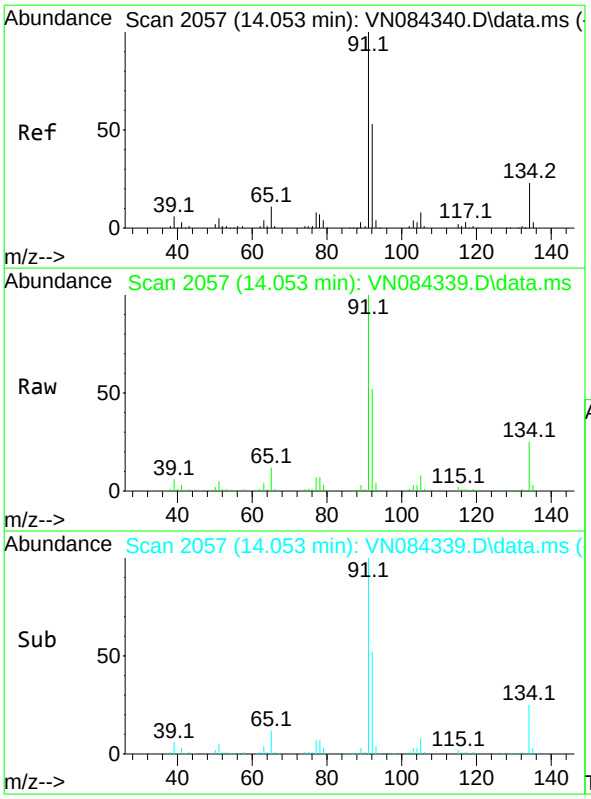


#84
1,4-Dichlorobenzene
Concen: 49.452 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:146 Resp: 237600

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	64.4	32.5	97.4

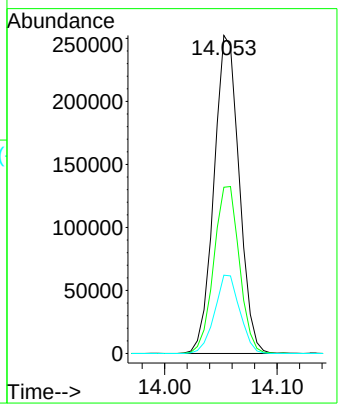




#85
n-Butylbenzene
Concen: 50.679 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 392578

Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	103.4
134	24.5	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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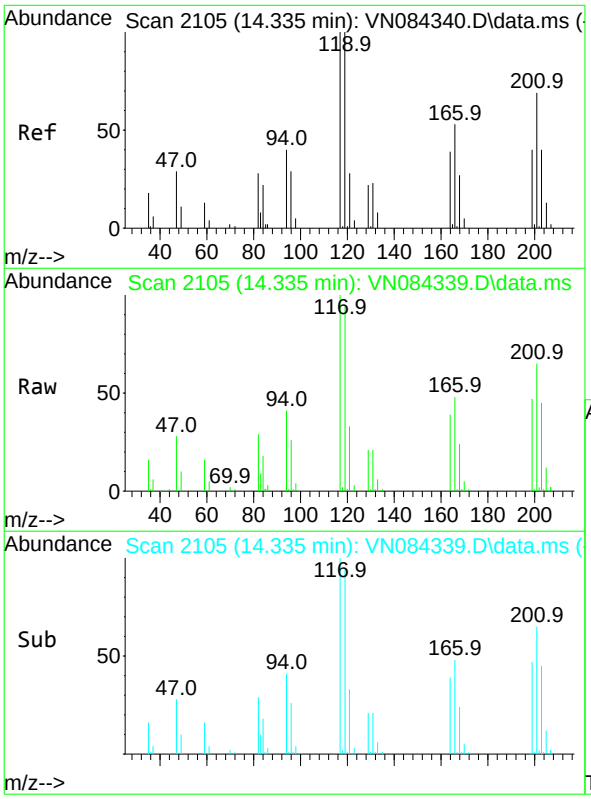
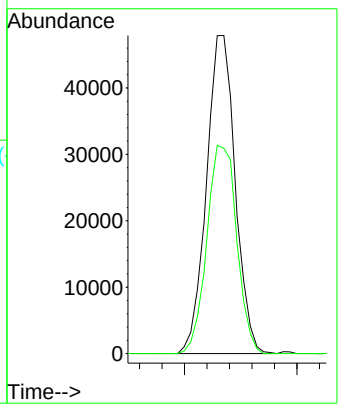
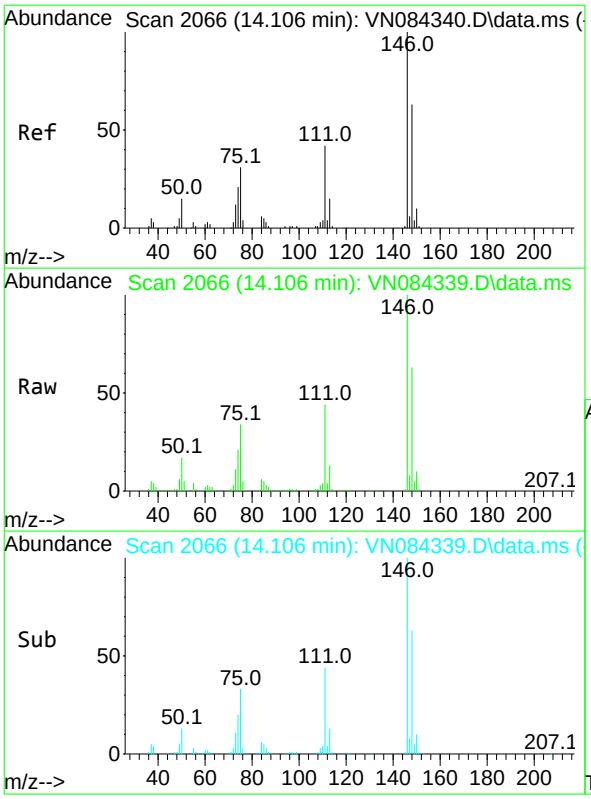


#86
Hexachloroethane
Concen: 49.410 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:117 Resp: 85140

Ion	Ratio	Lower	Upper
117	100		
201	67.8	33.9	101.6

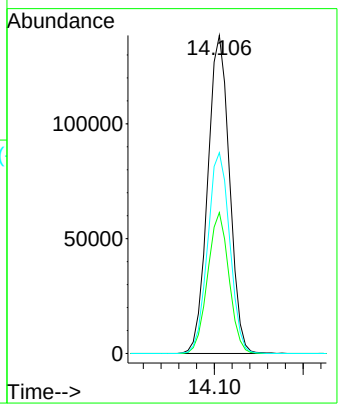




#87
1,2-Dichlorobenzene
Concen: 50.280 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:146 Resp: 235213

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.5
148	64.2	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

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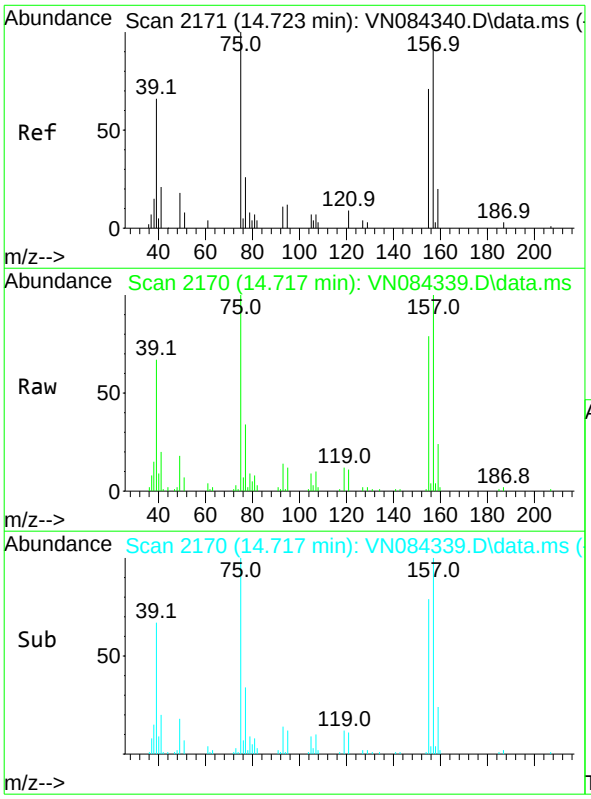
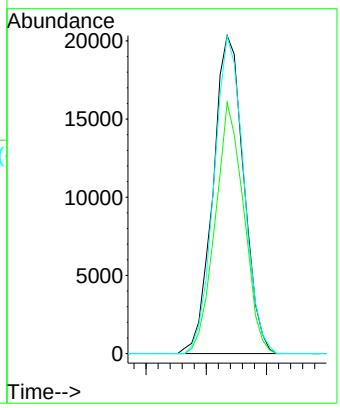
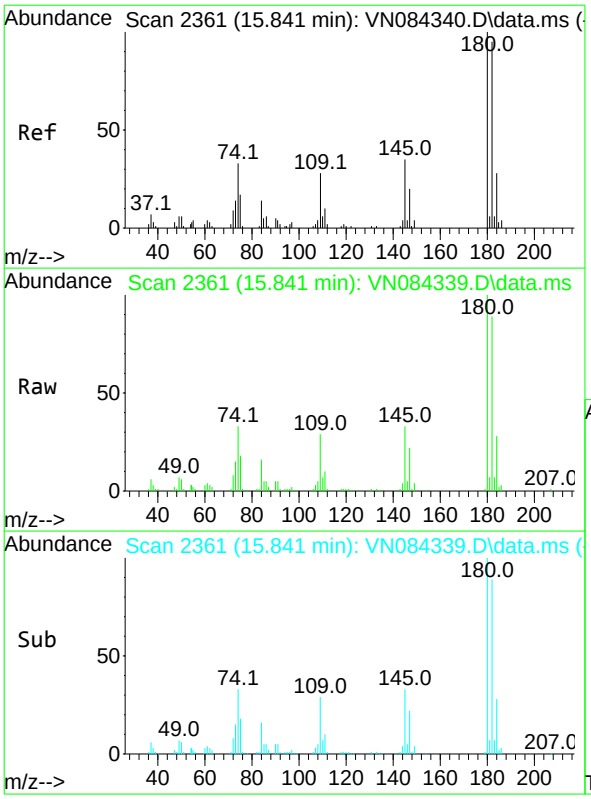


#88
1,2-Dibromo-3-Chloropropane
Concen: 52.891 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 35951

Ion	Ratio	Lower	Upper
75	100		
155	73.4	61.8	92.8
157	96.7	77.4	116.0





#89
1,2,4-Trichlorobenzene
Concen: 50.816 ug/l
RT: 15.841 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

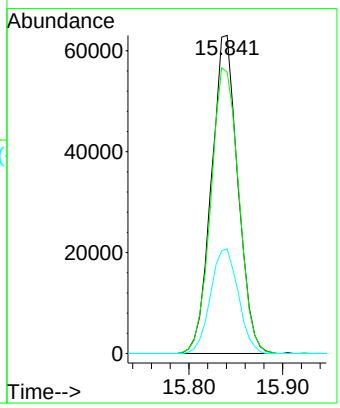
Tgt Ion:180 Resp: 123597

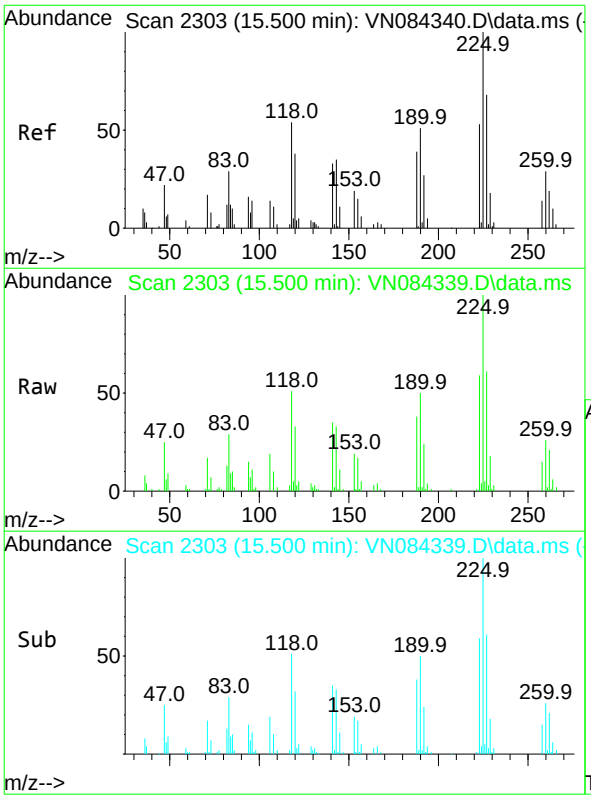
Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.8	116.6
145	34.5	28.9	43.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

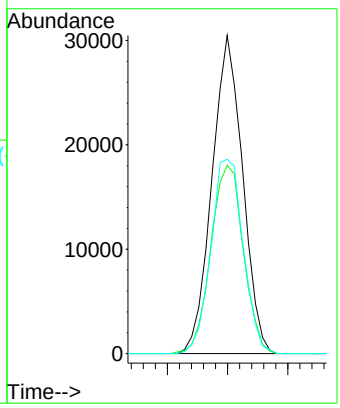


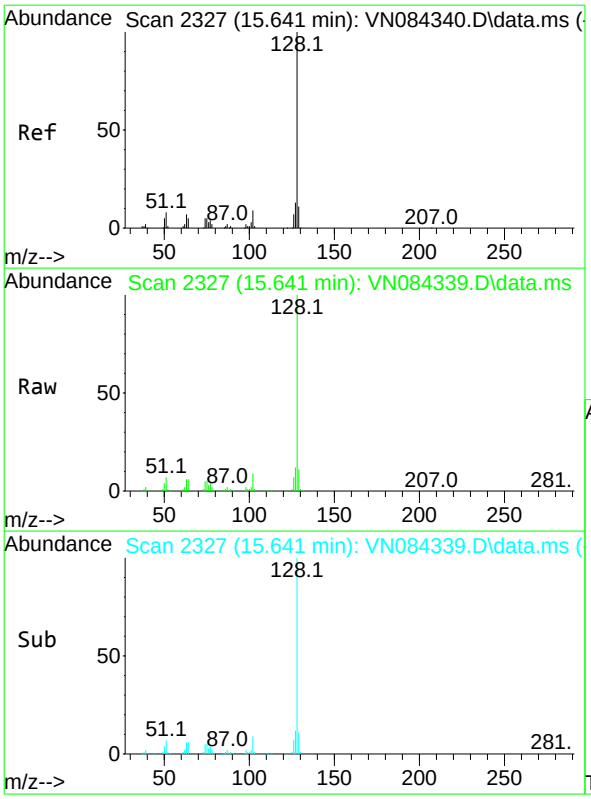


#90
Hexachlorobutadiene
Concen: 47.905 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:225 Resp: 53904

Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	124.0
227	64.4	0.0	130.8

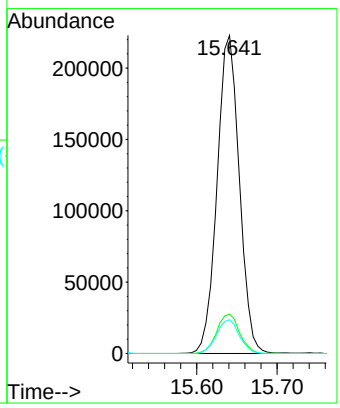




#91
Naphthalene
Concen: 51.960 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:128 Resp: 428263

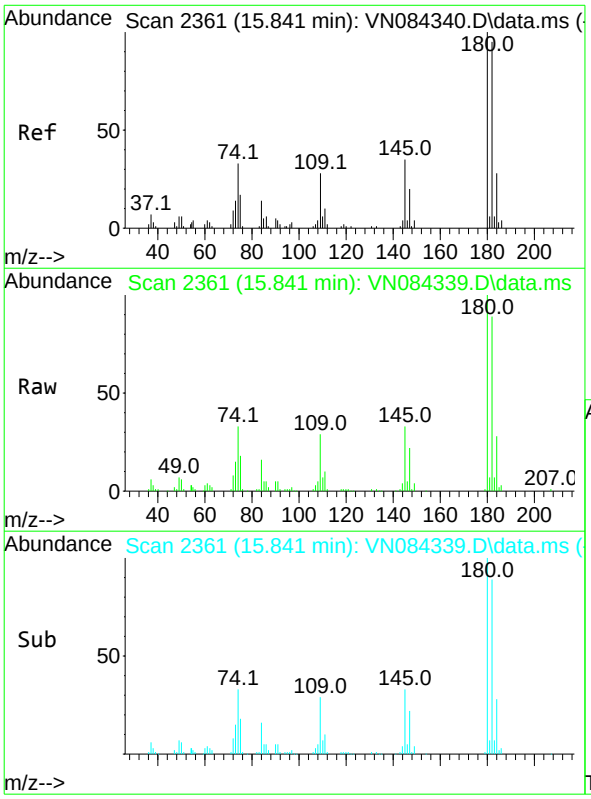
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

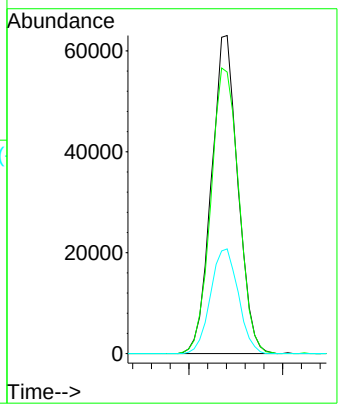
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 50.816 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:180 Resp: 123597

Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	194.4
145	34.5	0.0	72.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084340.D
Acq On : 08 Oct 2024 10:55
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	34673	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	193364	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	180372	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.582	65	85525	30.638	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.133%				
60) 4-Bromofluorobenzene	12.847	95	88736	29.808	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.367%				
63) Toluene-d8	10.565	98	251690	30.121	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	44634	21.084	ug/l		100
3) Chloromethane	2.359	50	49609	20.593	ug/l		100
4) Vinyl Chloride	2.512	62	48486	20.524	ug/l		100
5) Bromomethane	2.959	94	32772	20.938	ug/l		100
6) Chloroethane	3.118	64	32274	20.839	ug/l		100
7) Trichlorofluoromethane	3.495	101	78670	20.444	ug/l		100
8) Diethyl Ether	3.965	74	28475	20.127	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	43710	20.202	ug/l		100
10) 1,1-Dichloroethene	4.342	96	42386	19.633	ug/l		100
11) Methyl Iodide	4.594	142	57080	20.119	ug/l		100
12) Methyl Acetate	5.030	43	52868	19.561	ug/l		100
13) Acrolein	4.183	56	46516	92.647	ug/l		100
14) Acrylonitrile	5.718	53	123604	101.793	ug/l		100
15) Acetone	4.424	58	33083	95.376	ug/l		100
16) Carbon Disulfide	4.706	76	131855	20.510	ug/l		100
17) Allyl chloride	5.024	41	71450	20.416	ug/l		100
18) Methylene Chloride	5.277	84	49627	20.406	ug/l		100
19) trans-1,2-Dichloroethene	5.789	96	46499	20.351	ug/l		100
20) Diisopropyl ether	6.671	45	153833	20.444	ug/l		100
21) 1,1-Dichloroethane	6.571	63	88689	20.541	ug/l		100
22) cis-1,2-Dichloroethene	7.488	96	54636	20.549	ug/l		100
23) tert-Butyl Alcohol	5.524	59	46138	99.059	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	145915	20.224	ug/l		100
25) Chloroform	7.965	83	90176	20.622	ug/l		100
26) Cyclohexane	8.253	56	76065	21.064	ug/l	#	100
29) 1,1-Dichloropropene	8.371	75	63494	20.003	ug/l		100
30) 2-Butanone	7.483	43	165771	98.088	ug/l		100
31) 2,2-Dichloropropane	7.488	77	74258	19.908	ug/l		100
32) 1,1,1-Trichloroethane	8.171	97	83522	20.585	ug/l		100
33) Carbon Tetrachloride	8.365	117	70174	19.964	ug/l		100
34) Benzene	8.606	78	200730	20.202	ug/l		100
35) Methacrylonitrile	7.783	41	35246	19.549	ug/l		100
36) 1,2-Dichloroethane	8.671	62	67270	20.311	ug/l		100
37) Trichloroethene	9.347	130	47143	20.604	ug/l		100
38) Methylcyclohexane	9.600	83	66905	19.189	ug/l		100
39) 1,2-Dichloropropane	9.624	63	49785	20.547	ug/l		100
40) Dibromomethane	9.706	93	33881	20.007	ug/l		100
41) Bromodichloromethane	9.888	83	72106	20.057	ug/l		100
42) Vinyl Acetate	6.600	43	572205	97.351	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084340.D
Acq On : 08 Oct 2024 10:55
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	65636	19.692 ug/l	100
44) Isopropyl Acetate	8.688	43	108346	19.860 ug/l	100
45) 1,4-Dioxane	9.700	88	18510	376.387 ug/l	100
46) Methyl methacrylate	9.682	41	52087	19.761 ug/l	100
47) n-amyl Acetate	12.494	43	95368	19.654 ug/l	100
48) t-1,3-Dichloropropene	10.835	75	72331	19.470 ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	79003	20.292 ug/l	100
50) 1,1,2-Trichloroethane	11.018	97	45599	20.033 ug/l	100
51) Ethyl methacrylate	10.876	69	74070	19.701 ug/l	100
52) 1,3-Dichloropropane	11.165	76	80622	20.257 ug/l	100
53) Dibromochloromethane	11.359	129	53563	19.920 ug/l	100
54) 1,2-Dibromoethane	11.470	107	47708	20.362 ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	161430	94.667 ug/l	100
56) Bromoform	12.576	173	34047	19.091 ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	336052	100.014 ug/l	100
59) 2-Hexanone	11.194	43	245030	98.139 ug/l	100
61) Tetrachloroethene	11.100	164	41072	20.131 ug/l	100
62) Toluene	10.629	91	211795	20.058 ug/l	100
64) Chlorobenzene	11.888	112	130620	19.878 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	46005	20.153 ug/l	100
66) Ethyl Benzene	11.965	91	227198	19.804 ug/l	100
67) m/p-Xylenes	12.070	106	174434	40.081 ug/l	100
68) o-Xylene	12.400	106	83154	19.823 ug/l	100
69) Styrene	12.412	104	142239	19.752 ug/l	100
70) Isopropylbenzene	12.694	105	214822	20.060 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	66030	19.931 ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	56046m	19.781 ug/l	
73) Bromobenzene	12.982	156	51441	19.834 ug/l	100
74) n-propylbenzene	13.035	91	253393	19.856 ug/l	100
75) 2-Chlorotoluene	13.123	91	158981	20.048 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	178878	19.838 ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	22530	18.583 ug/l	100
78) 4-Chlorotoluene	13.217	91	159107	19.735 ug/l	100
79) tert-butylbenzene	13.435	119	151487	19.692 ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	180628	19.743 ug/l	100
81) sec-Butylbenzene	13.617	105	210010	19.829 ug/l	100
82) p-Isopropyltoluene	13.729	119	173074	19.415 ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	95054	19.711 ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	91564	19.121 ug/l	100
85) n-Butylbenzene	14.053	91	144192	18.676 ug/l	100
86) Hexachloroethane	14.335	117	33531	19.524 ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	90933	19.503 ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13240	19.543 ug/l	100
89) 1,2,4-Trichlorobenzene	15.841	180	45853	18.915 ug/l	100
90) Hexachlorobutadiene	15.500	225	20860	18.600 ug/l	100
91) Naphthalene	15.641	128	154471	18.804 ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	45853	18.915 ug/l	100

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

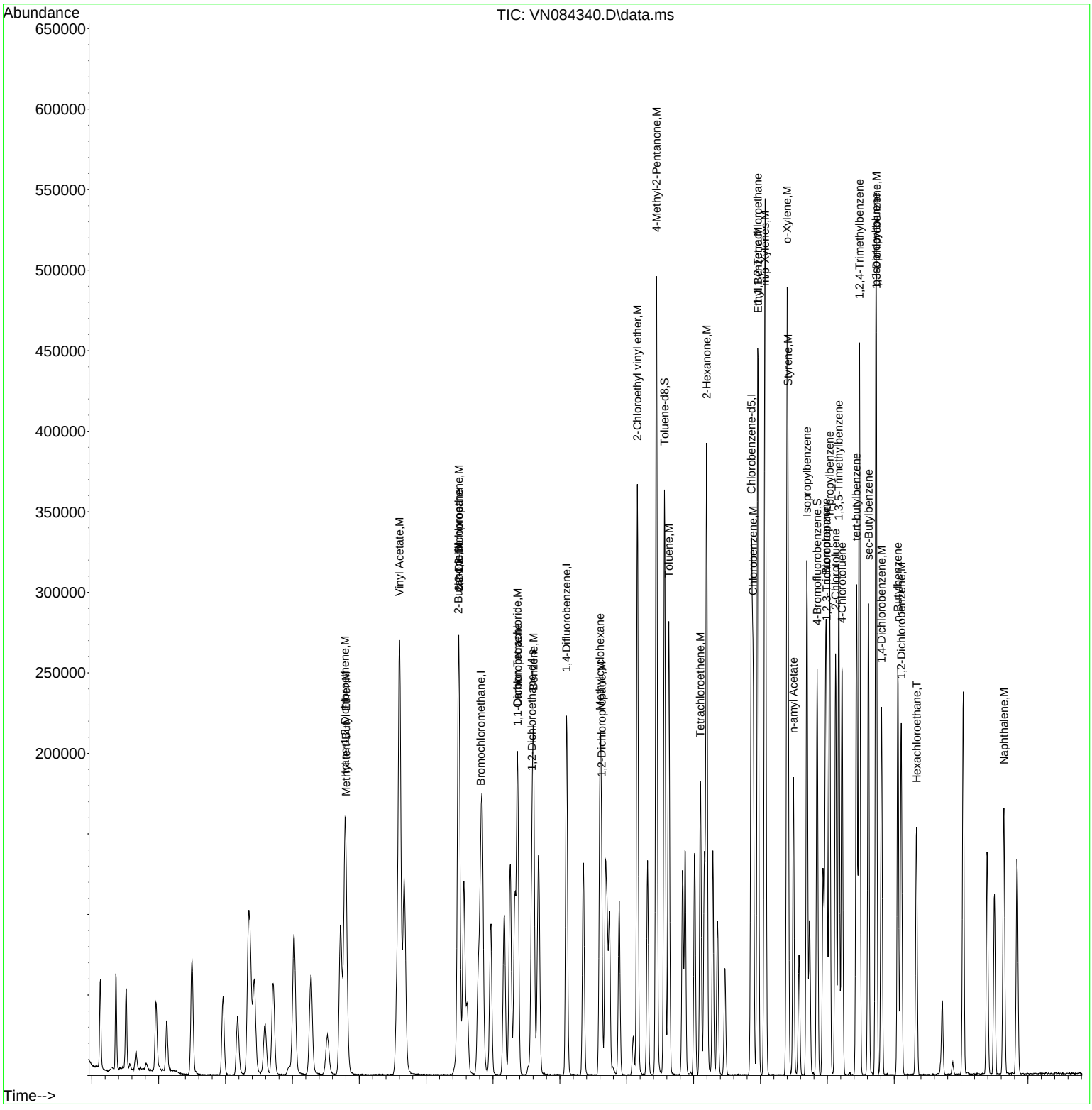
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084340.D
Acq On : 08 Oct 2024 10:55
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

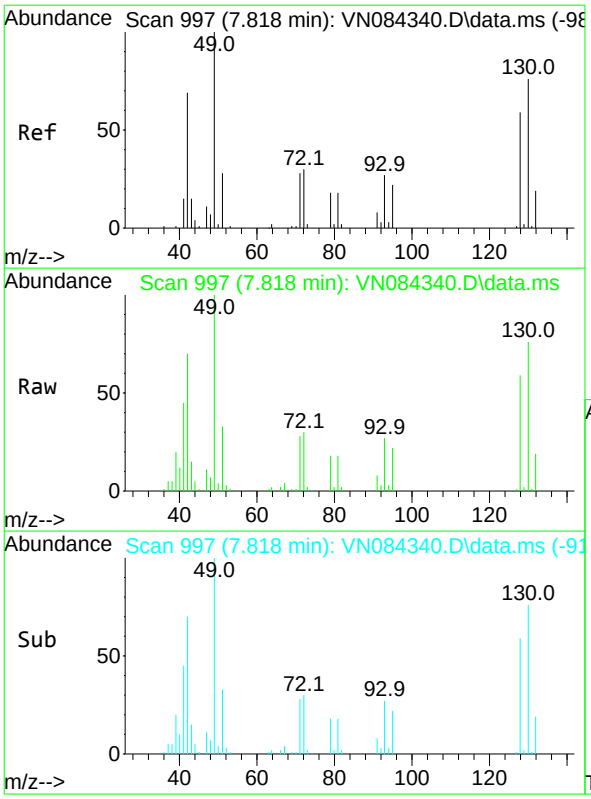
Quant Time: Oct 09 02:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

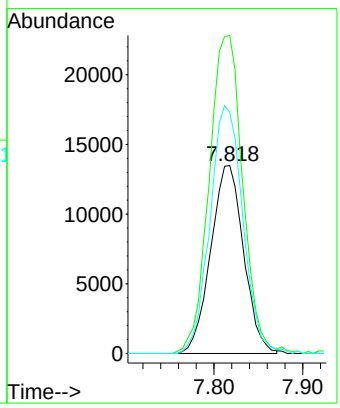




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:128 Resp: 34673

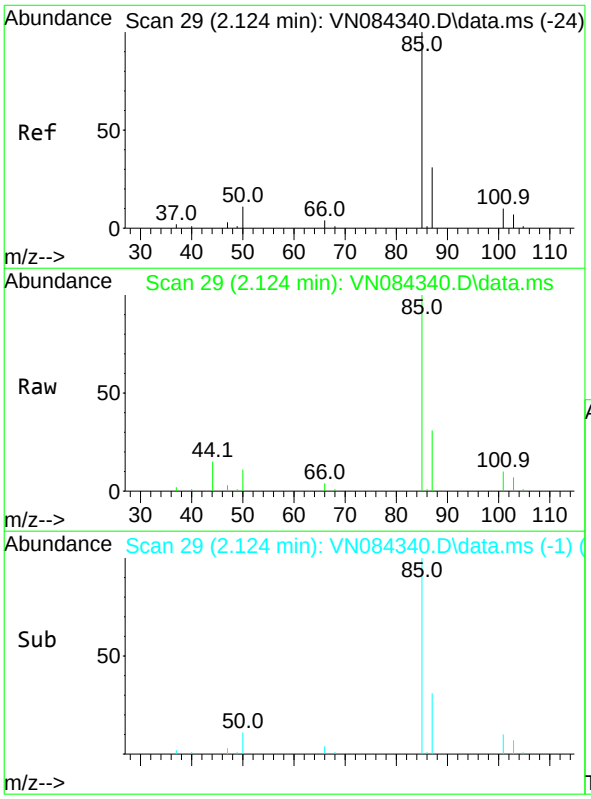
Ion	Ratio	Lower	Upper
128	100		
49	172.0	0.0	430.0
130	131.9	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

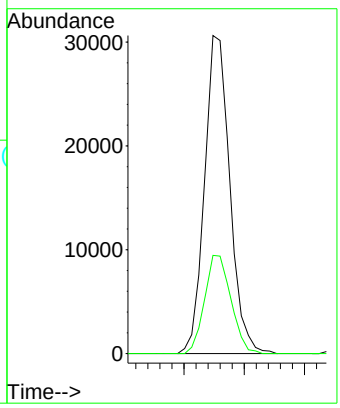
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

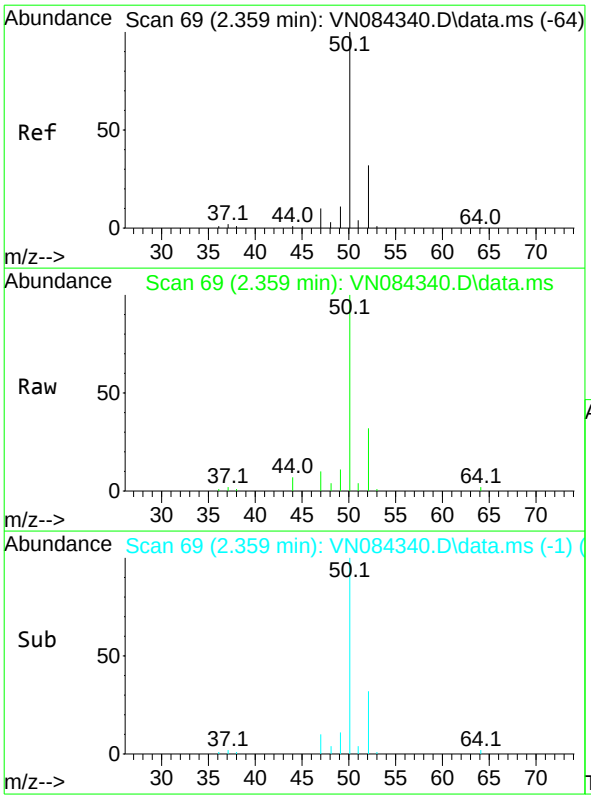


#2
Dichlorodifluoromethane
Concen: 21.084 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 85 Resp: 44634

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4

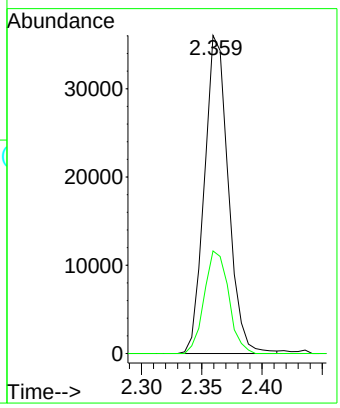




#3
Chloromethane
Concen: 20.593 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 50 Resp: 49609

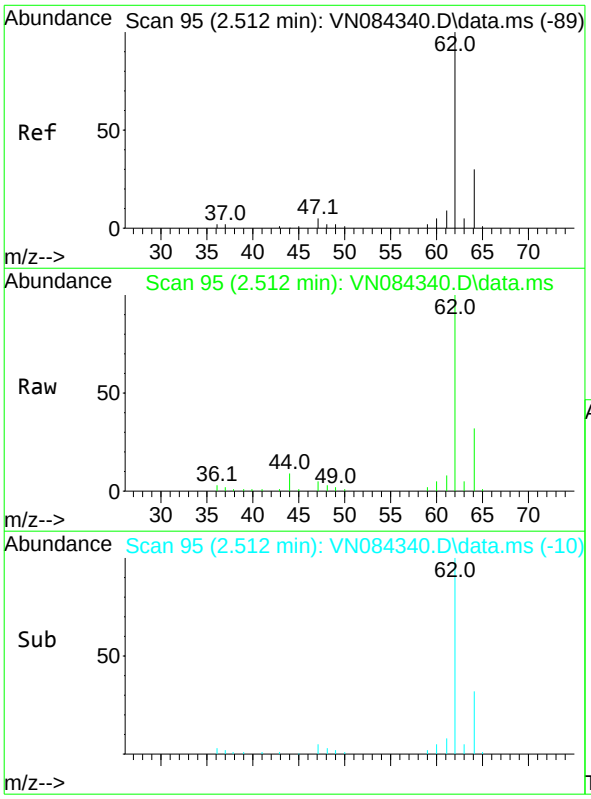
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

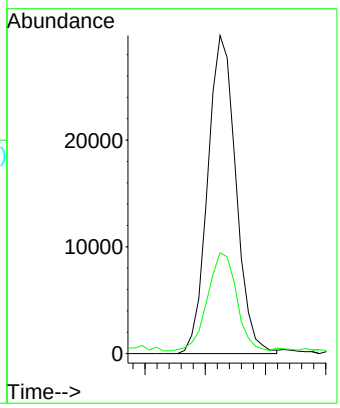
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

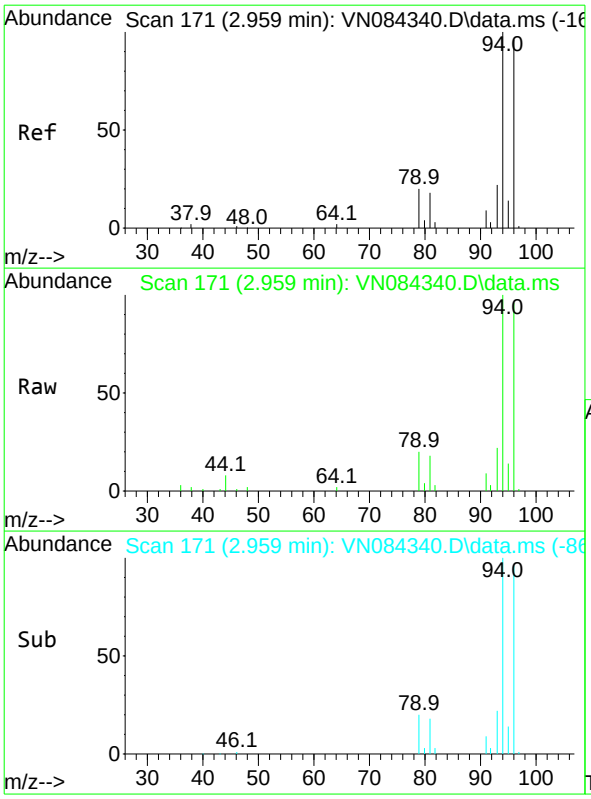


#4
Vinyl Chloride
Concen: 20.524 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 62 Resp: 48486

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

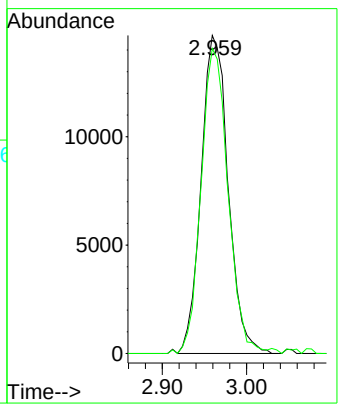




#5
Bromomethane
Concen: 20.938 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 94 Resp: 32772

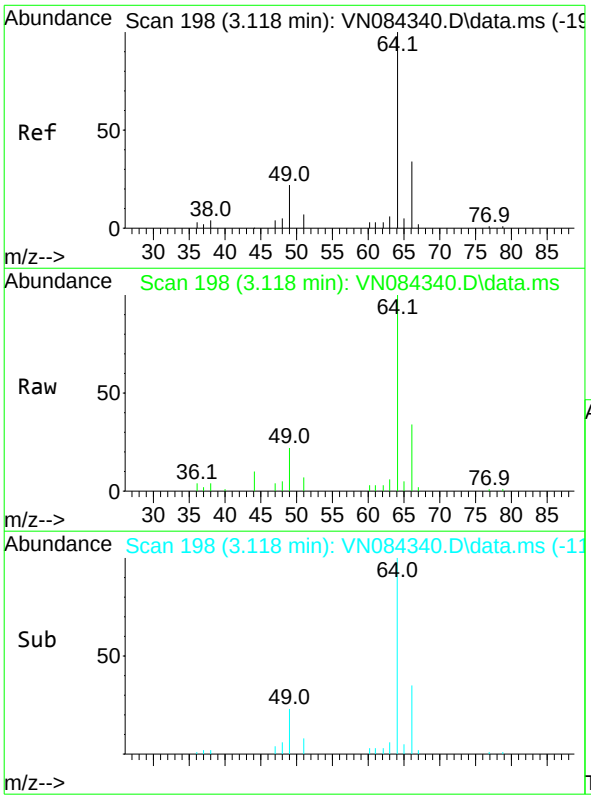
Ion	Ratio	Lower	Upper
94	100		
96	95.9	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

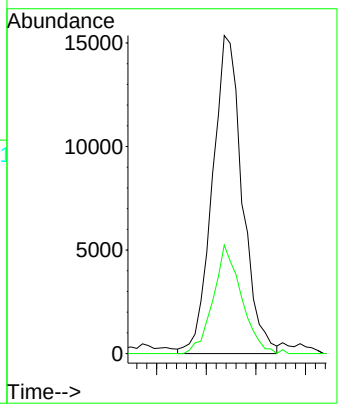
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

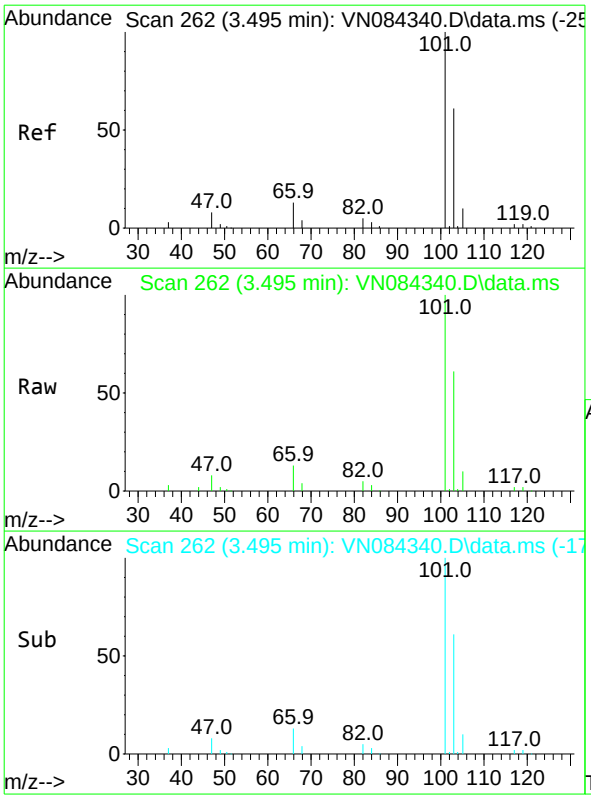


#6
Chloroethane
Concen: 20.839 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 64 Resp: 32274

Ion	Ratio	Lower	Upper
64	100		
66	34.6	27.7	41.5

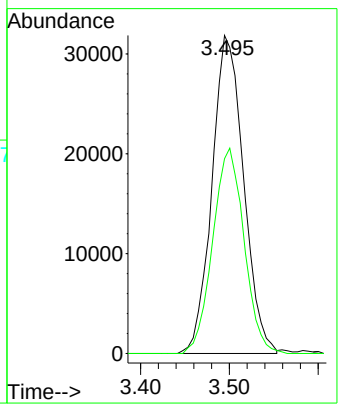




#7
Trichlorofluoromethane
Concen: 20.444 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:101 Resp: 78670

Ion	Ratio	Lower	Upper
101	100		
103	61.3	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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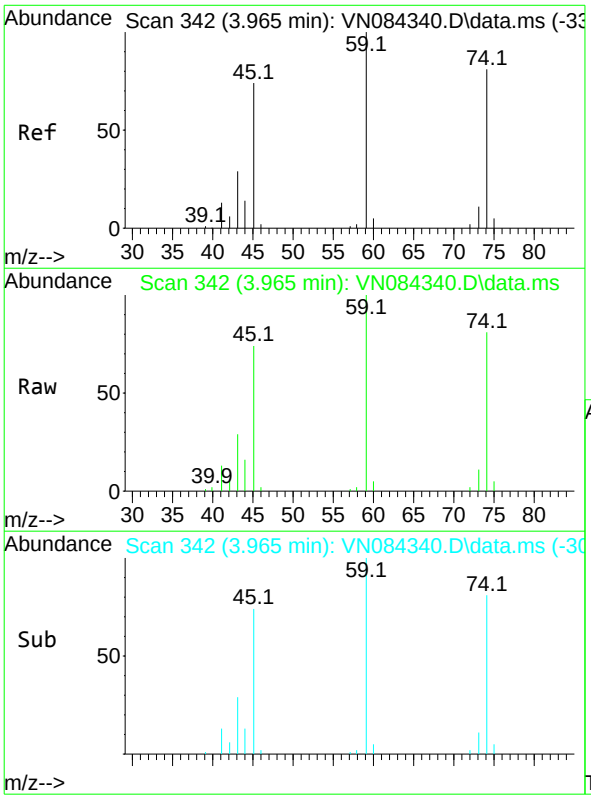
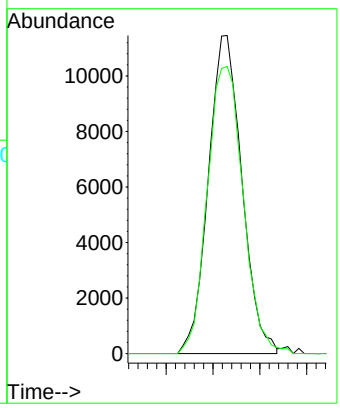
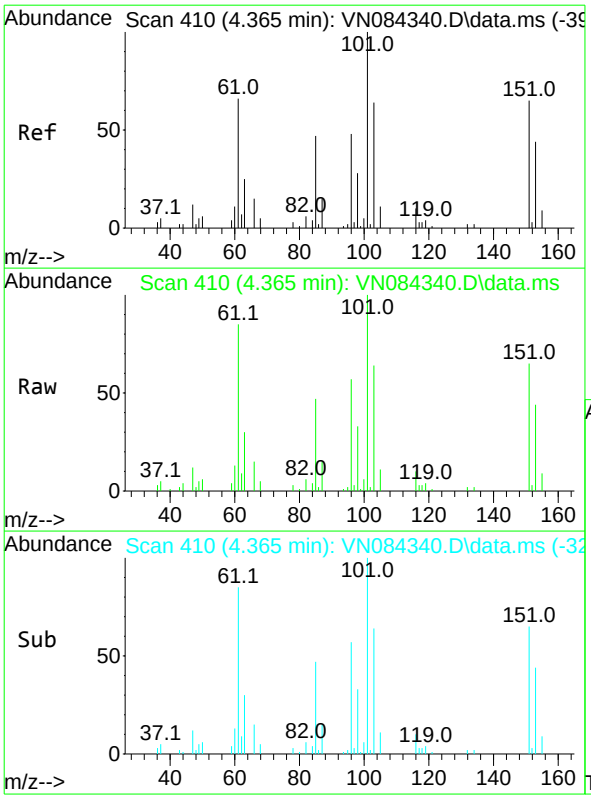


#8
Diethyl Ether
Concen: 20.127 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 74 Resp: 28475

Ion	Ratio	Lower	Upper
74	100		
45	96.2	19.2	173.2

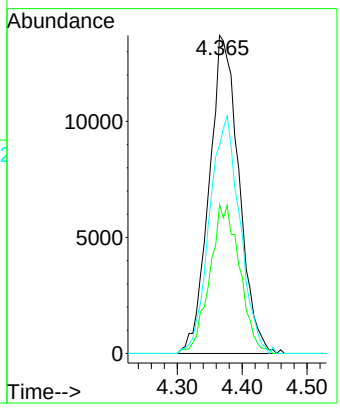




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.202 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:101 Resp: 43710

Ion	Ratio	Lower	Upper
101	100		
85	46.8	0.0	93.6
151	75.9	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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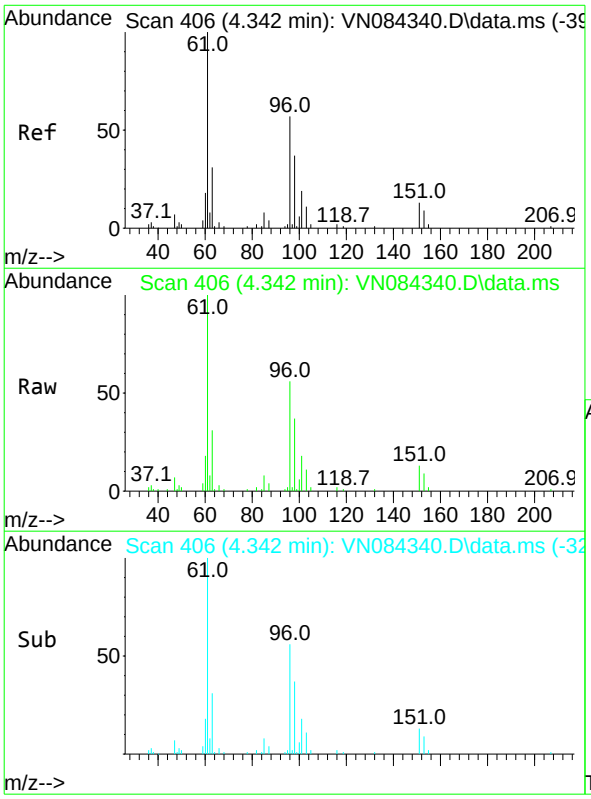
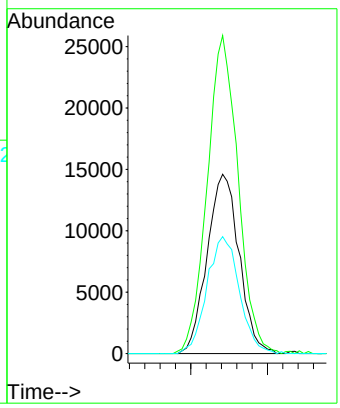
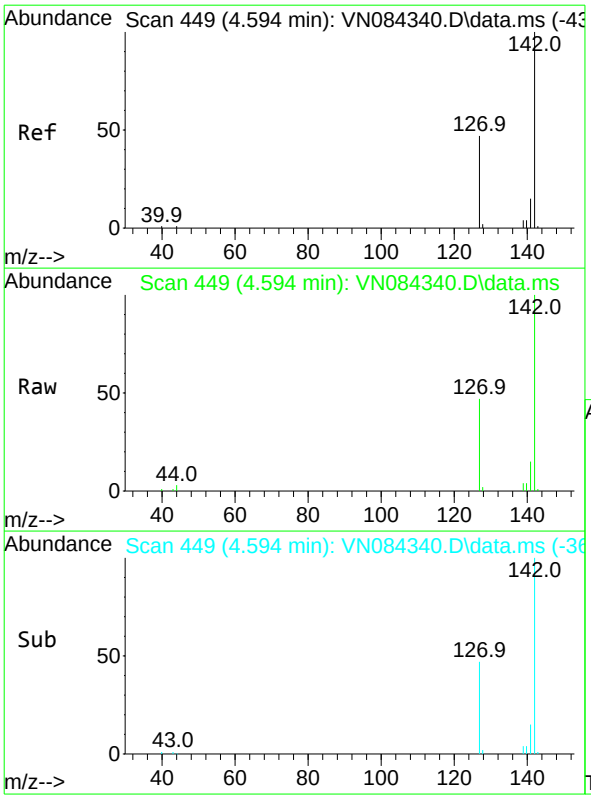


#10
1,1-Dichloroethene
Concen: 19.633 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 96 Resp: 42386

Ion	Ratio	Lower	Upper
96	100		
61	176.0	140.8	211.2
98	65.2	52.2	78.2

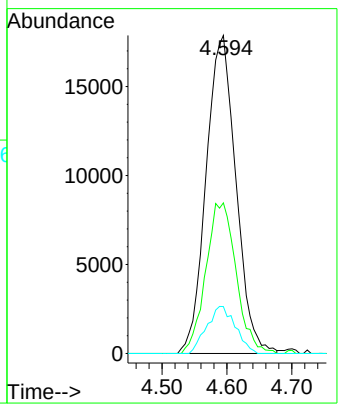




#11
Methyl Iodide
Concen: 20.119 ug/l
RT: 4.594 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:142 Resp: 57080

Ion	Ratio	Lower	Upper
142	100		
127	47.6	23.8	71.4
141	14.8	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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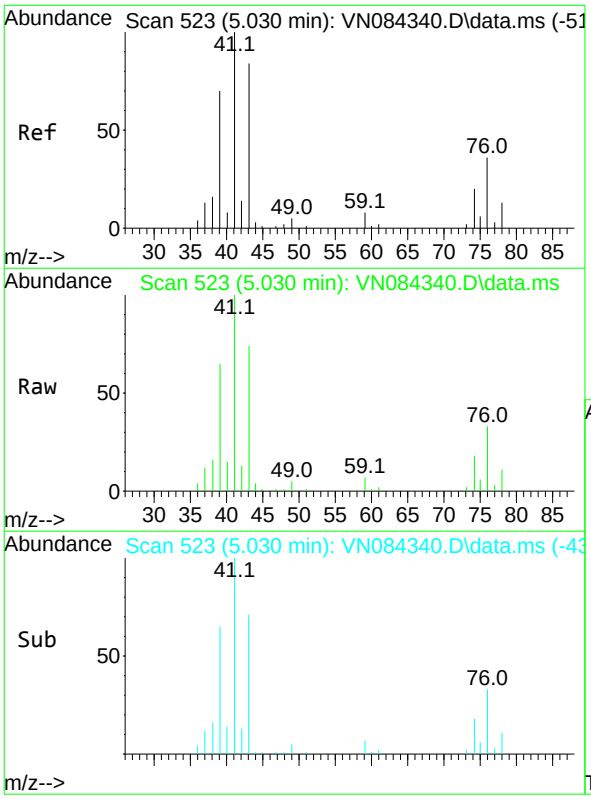
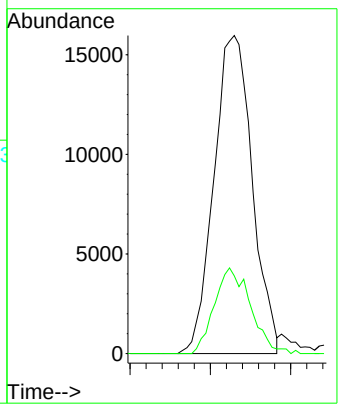
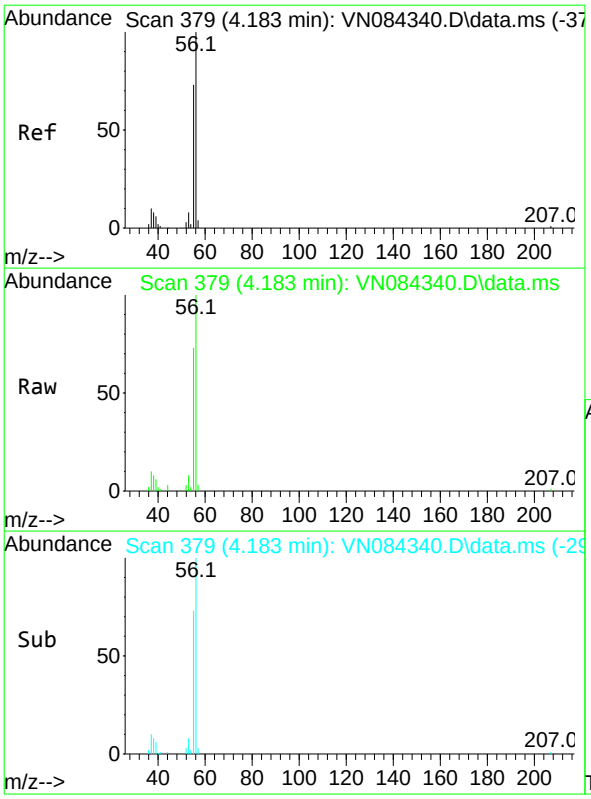


#12
Methyl Acetate
Concen: 19.561 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 52868

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2

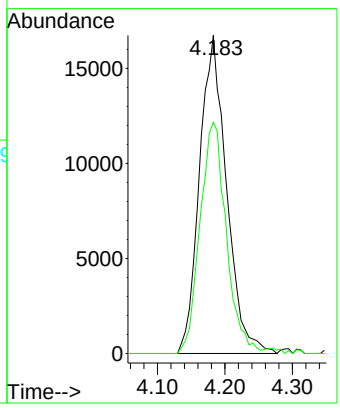




#13
Acrolein
Concen: 92.647 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 56 Resp: 46516

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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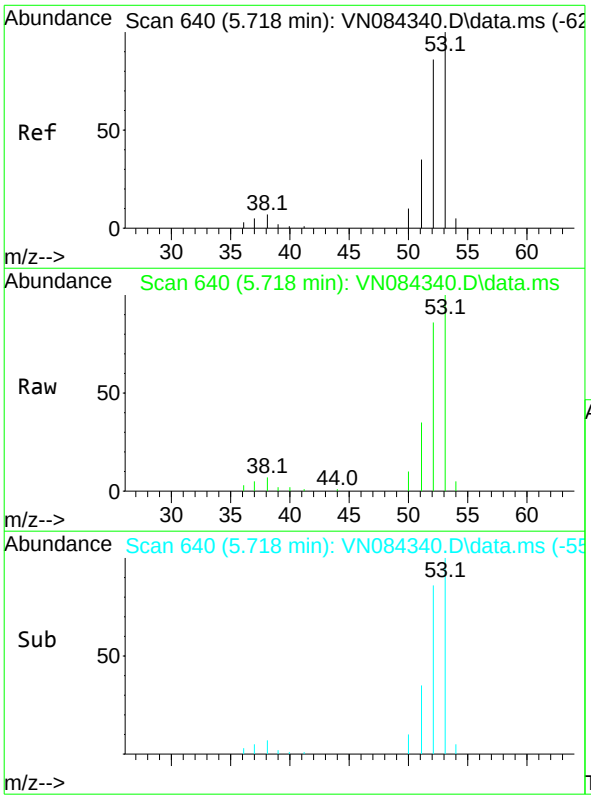
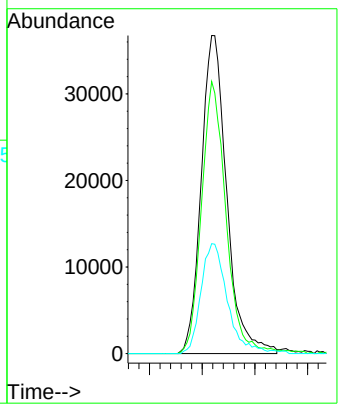
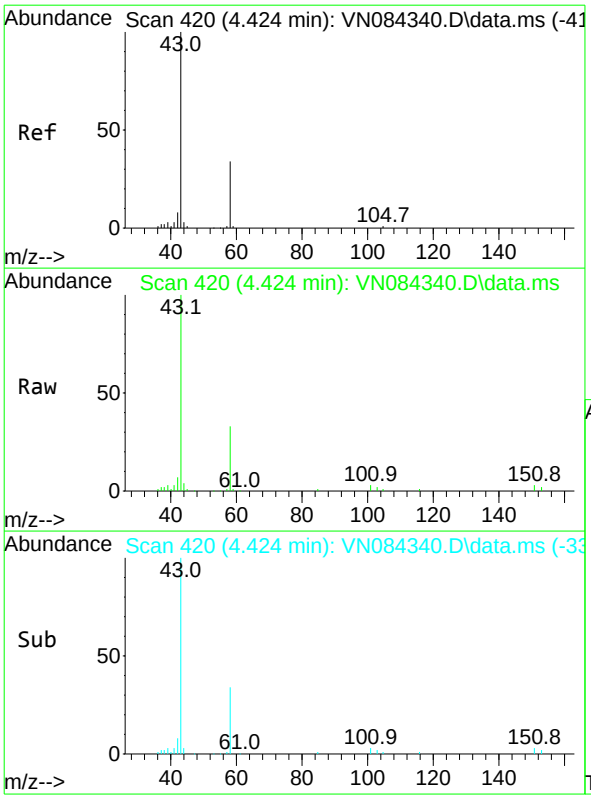


#14
Acrylonitrile
Concen: 101.793 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 53 Resp: 123604

Ion	Ratio	Lower	Upper
53	100		
52	80.8	40.4	121.2
51	35.6	17.8	53.4

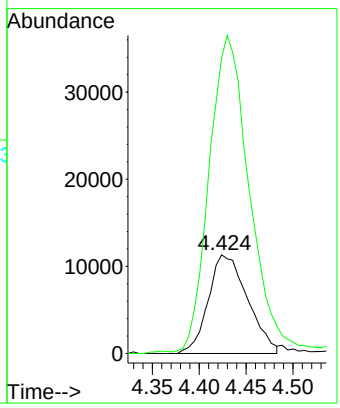




#15
Acetone
Concen: 95.376 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 58 Resp: 33083

Ion	Ratio	Lower	Upper
58	100		
43	296.9	237.5	356.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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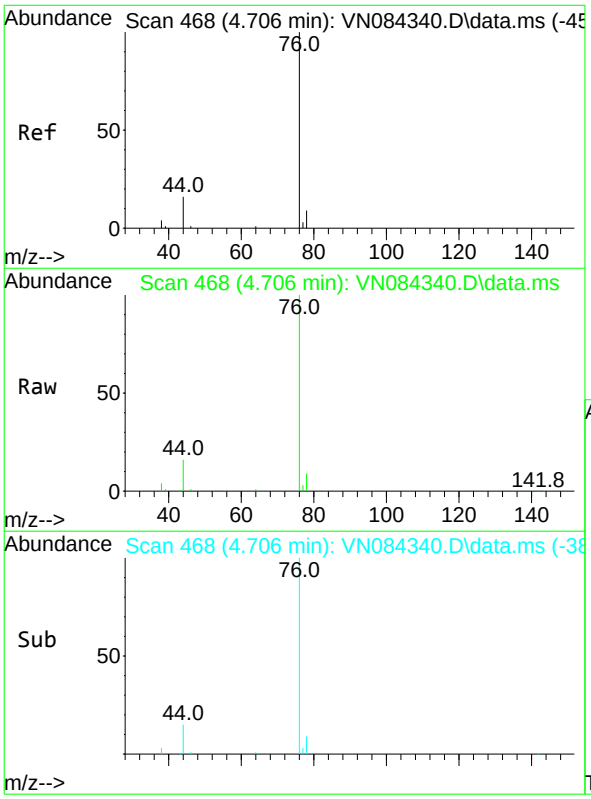
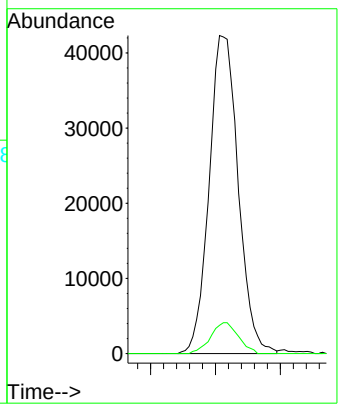
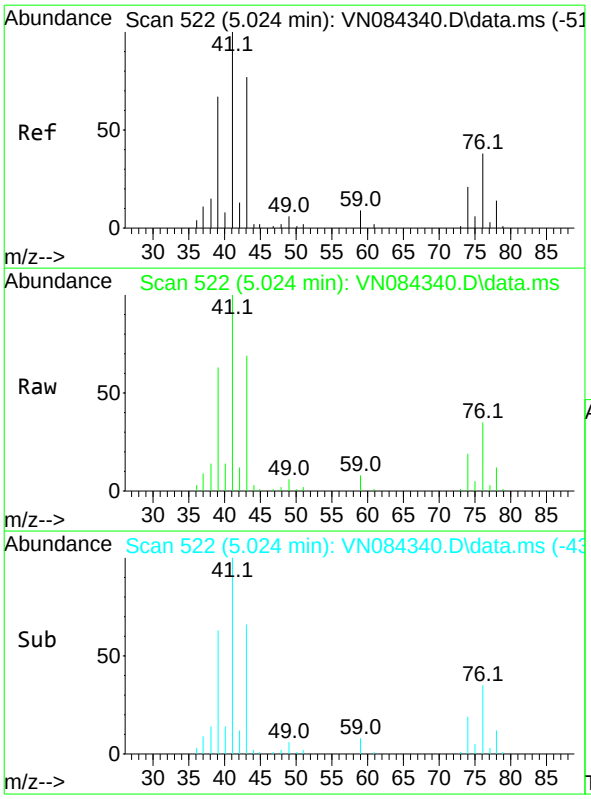


#16
Carbon Disulfide
Concen: 20.510 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 76 Resp: 131855

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

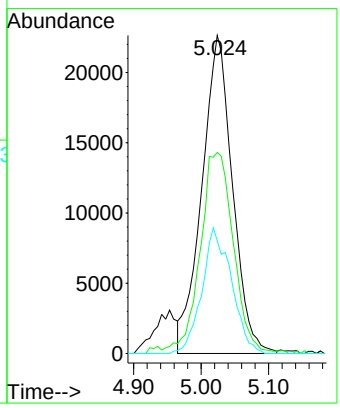




#17
Allyl chloride
Concen: 20.416 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 41 Resp: 71450

Ion	Ratio	Lower	Upper
41	100		
39	62.9	31.4	94.3
76	35.7	17.8	53.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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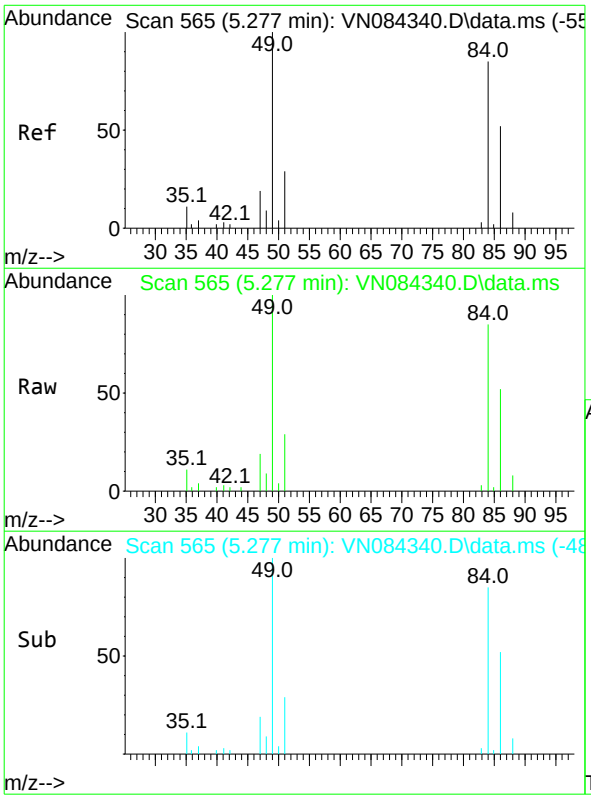
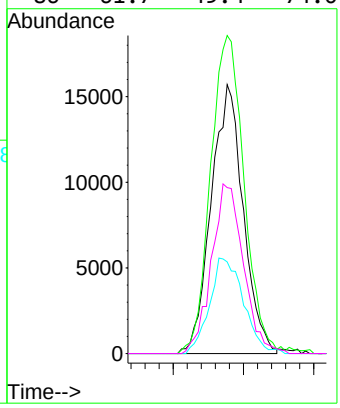
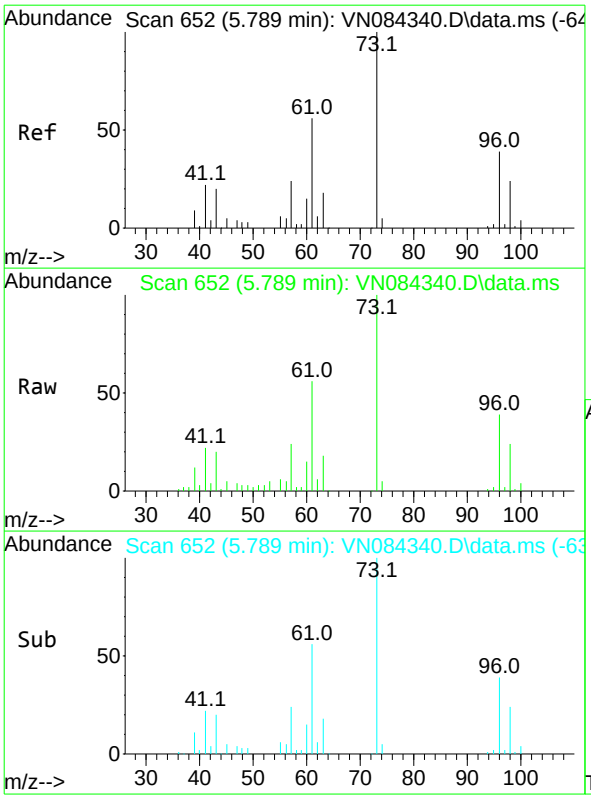


#18
Methylene Chloride
Concen: 20.406 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 84 Resp: 49627

Ion	Ratio	Lower	Upper
84	100		
49	118.3	94.6	142.0
51	34.1	27.3	40.9
86	61.7	49.4	74.0

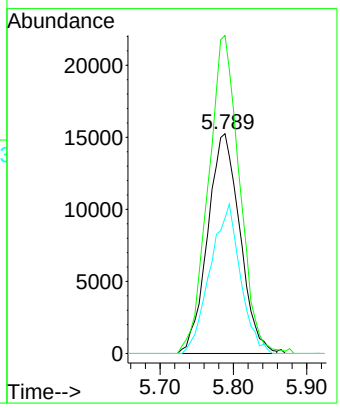




#19
trans-1,2-Dichloroethene
Concen: 20.351 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 96 Resp: 46499

Ion	Ratio	Lower	Upper
96	100		
61	144.7	115.8	173.6
98	61.7	49.4	74.0



Instrument :
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ClientSampleId :
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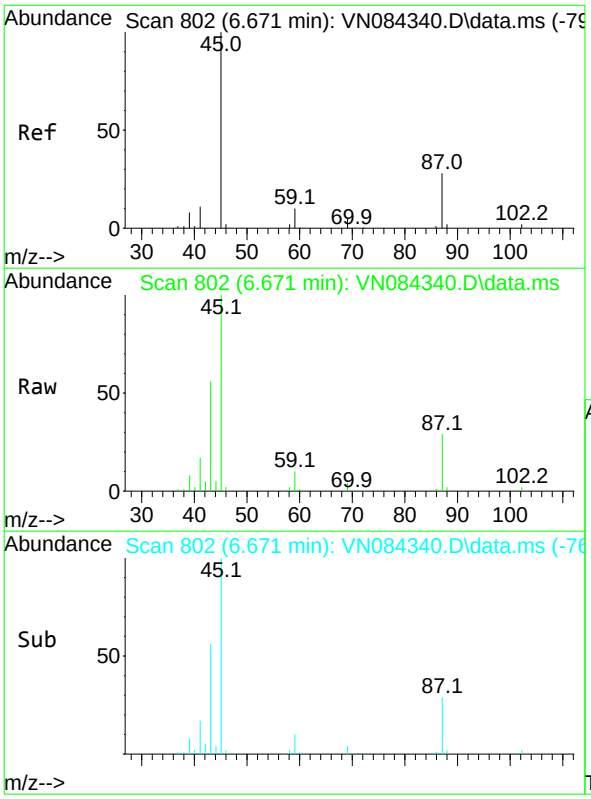
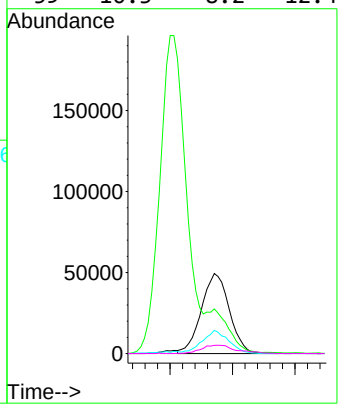
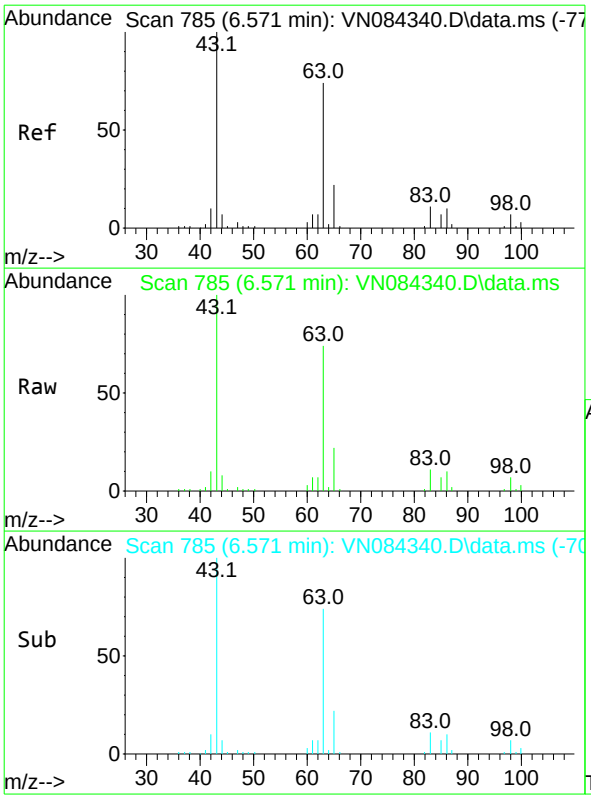


#20
Diisopropyl ether
Concen: 20.444 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 45 Resp: 153833

Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.7	65.5
87	28.9	23.1	34.7
59	10.3	8.2	12.4

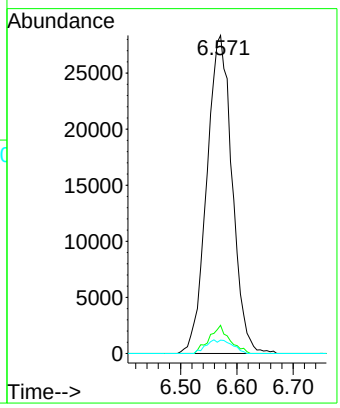




#21
1,1-Dichloroethane
Concen: 20.541 ug/l
RT: 6.571 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 63 Resp: 88689

Ion	Ratio	Lower	Upper
63	100		
98	8.9	4.5	13.4
100	4.2	2.1	6.3



Instrument :
MSVOA_N
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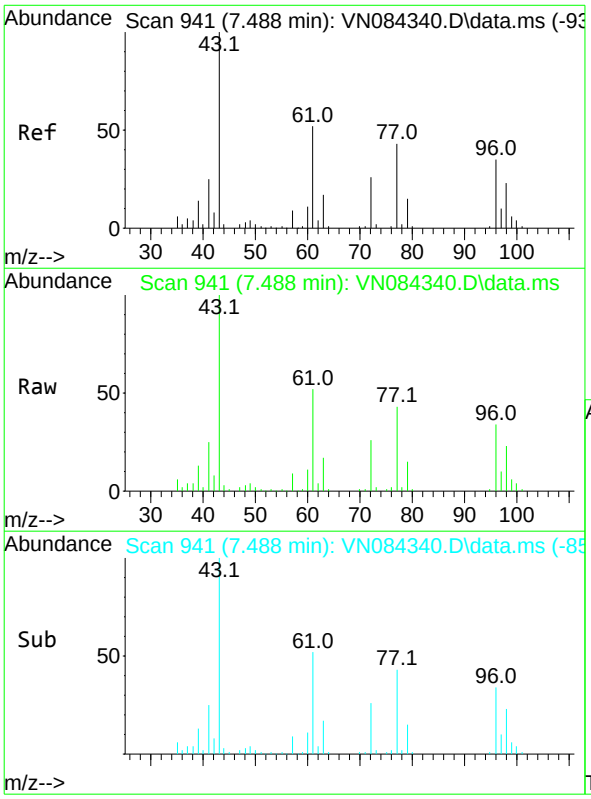
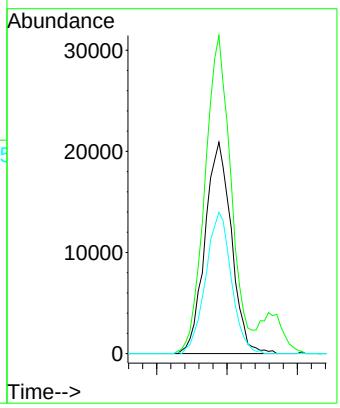
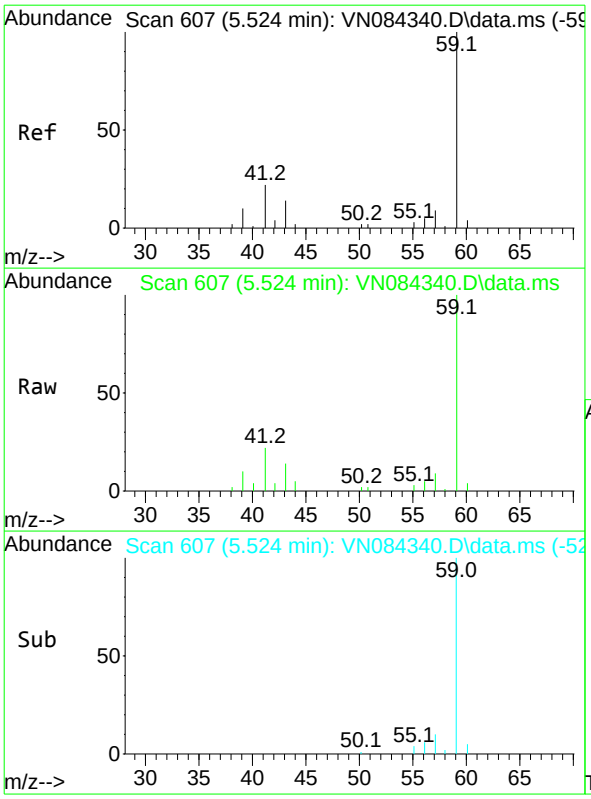


#22
cis-1,2-Dichloroethene
Concen: 20.549 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 96 Resp: 54636

Ion	Ratio	Lower	Upper
96	100		
61	147.5	118.0	177.0
98	64.8	51.8	77.8

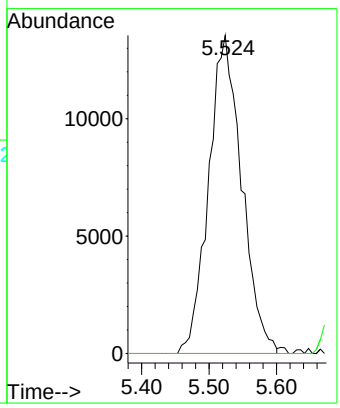




#23
tert-Butyl Alcohol
Concen: 99.059 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 59 Resp: 46138

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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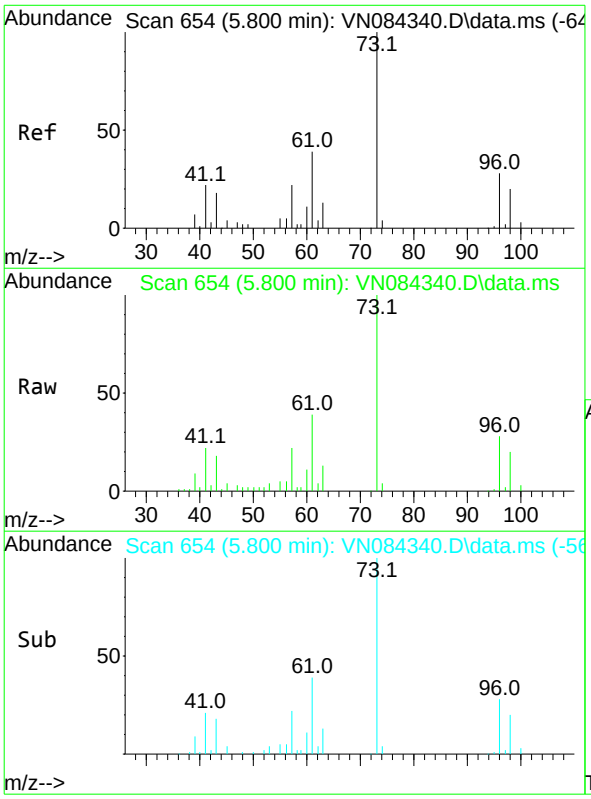
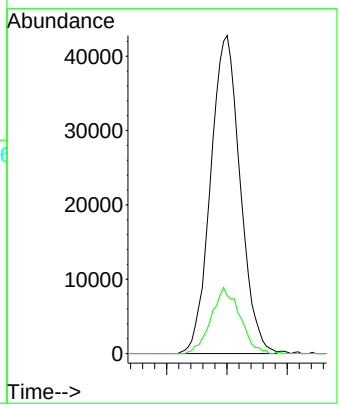
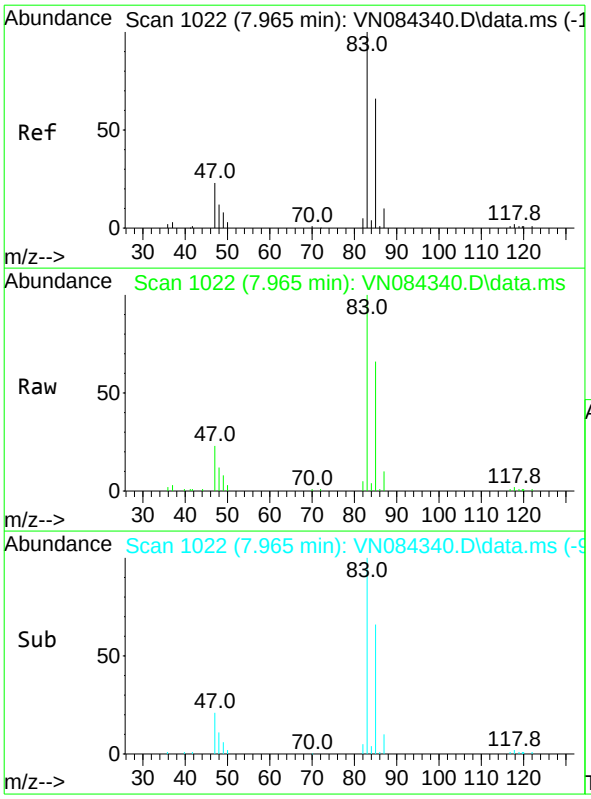


#24
Methyl tert-Butyl Ether
Concen: 20.224 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 73 Resp: 145915

Ion	Ratio	Lower	Upper
73	100		
43	13.6	10.9	16.3

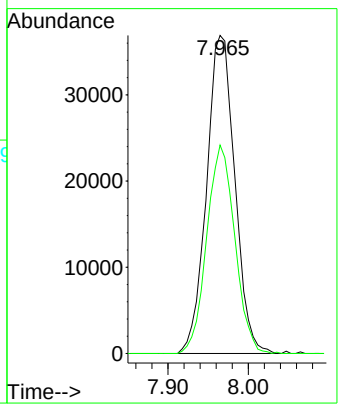




#25
Chloroform
Concen: 20.622 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 83 Resp: 90176

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6



Instrument :
MSVOA_N
ClientSampleId :
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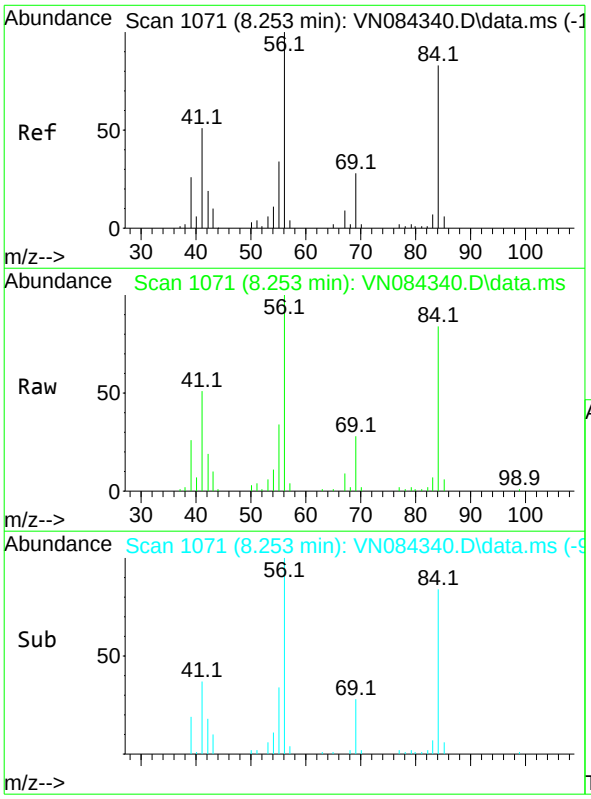
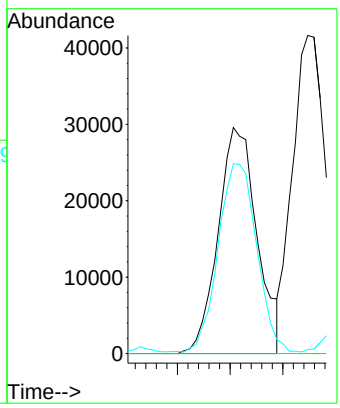
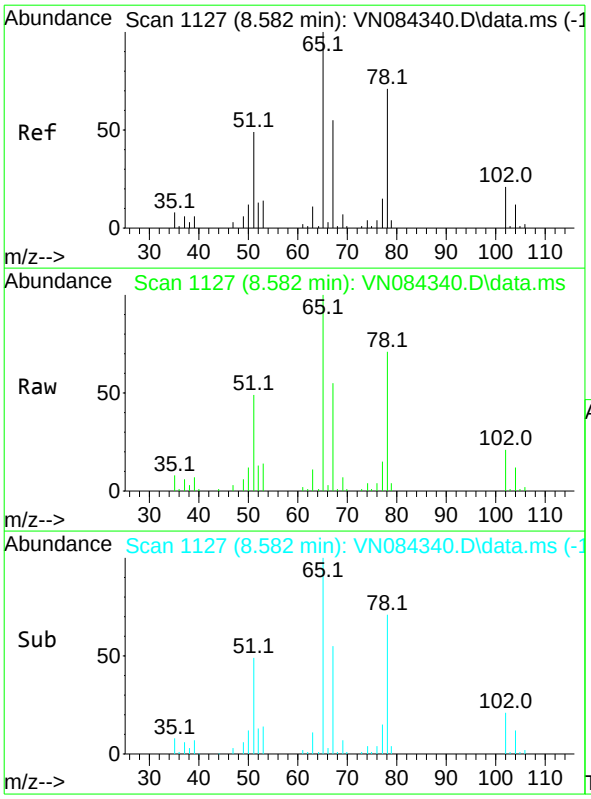


#26
Cyclohexane
Concen: 21.064 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 56 Resp: 76065

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	83.8	67.0	100.6

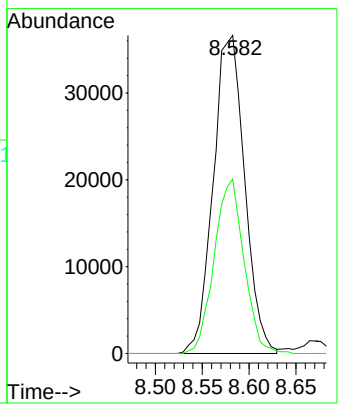




#27
1,2-Dichloroethane-d4
Concen: 30.638 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 65 Resp: 85525

Ion	Ratio	Lower	Upper
65	100		
67	51.9	41.5	62.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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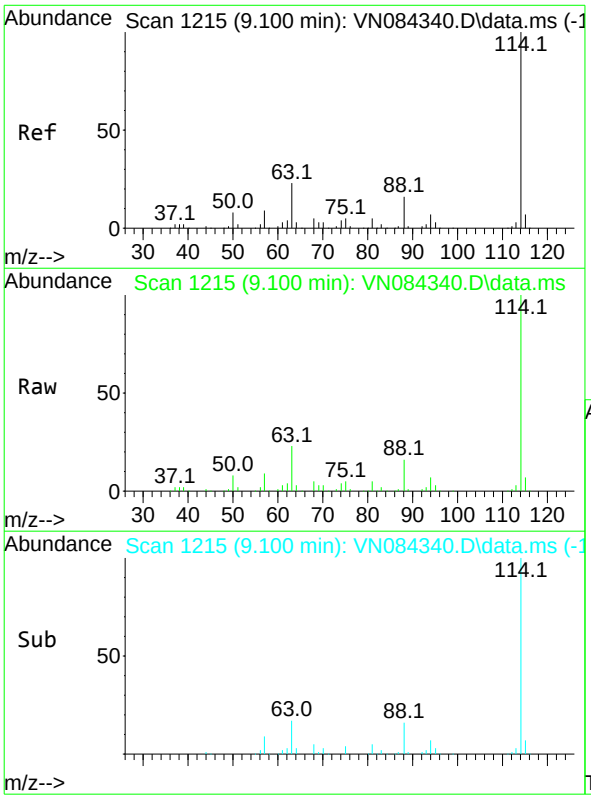
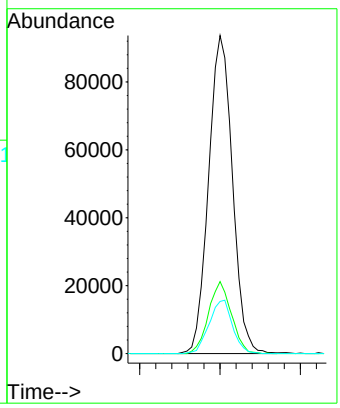
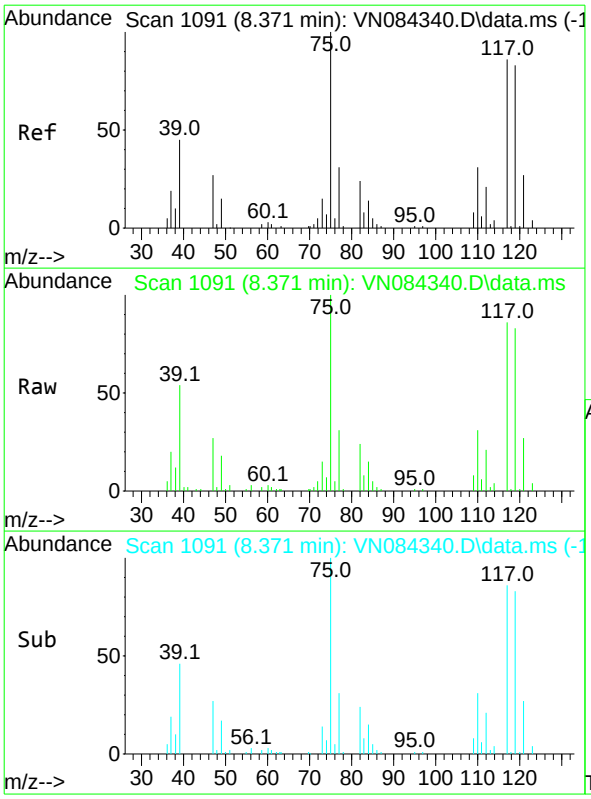


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:114 Resp: 193364

Ion	Ratio	Lower	Upper
114	100		
63	21.7	17.4	26.0
88	16.5	13.2	19.8

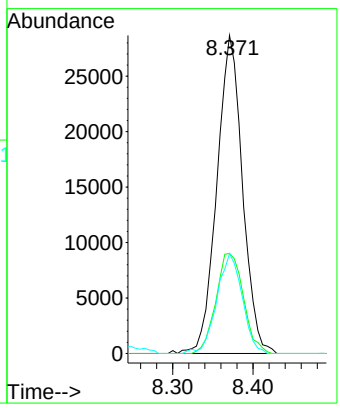




#29
1,1-Dichloropropene
Concen: 20.003 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 63494

Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	67.6
77	30.7	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
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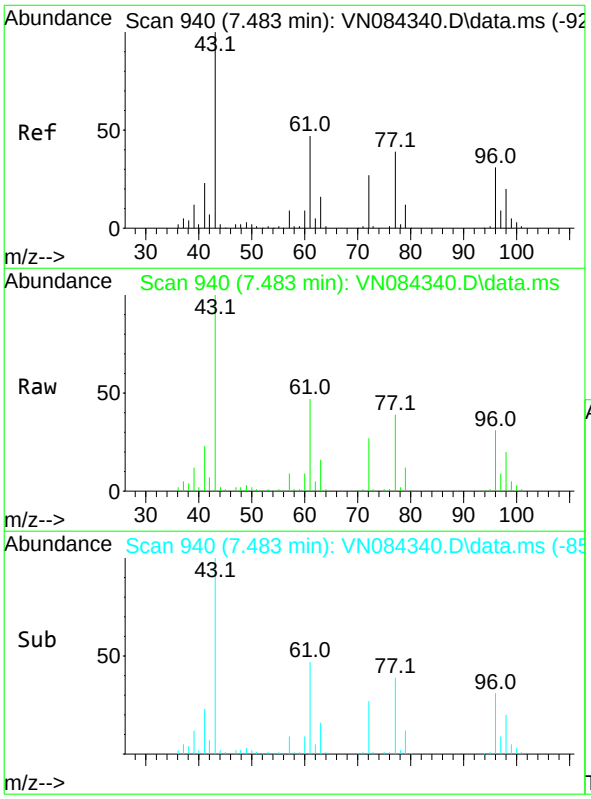
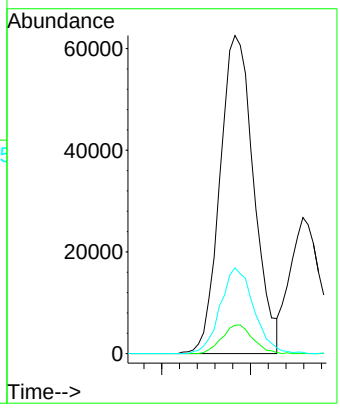
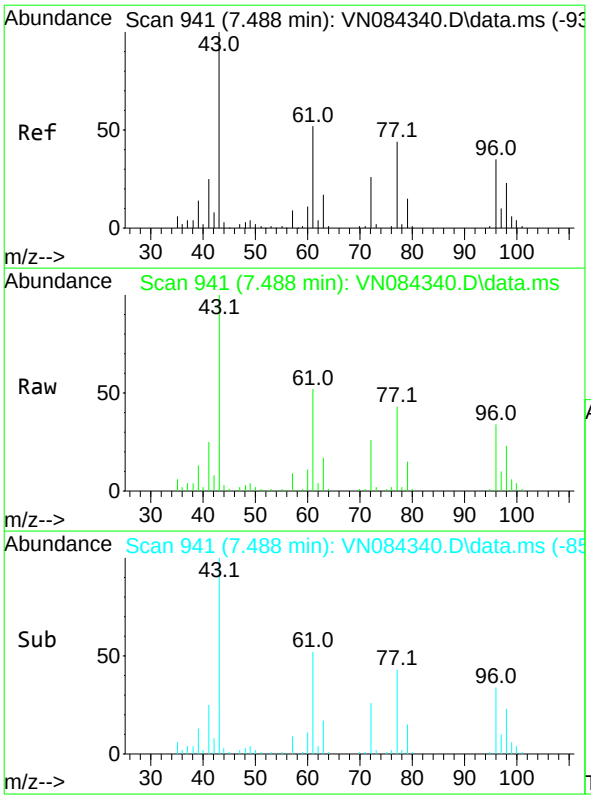


#30
2-Butanone
Concen: 98.088 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 165771

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	26.6	21.3	31.9

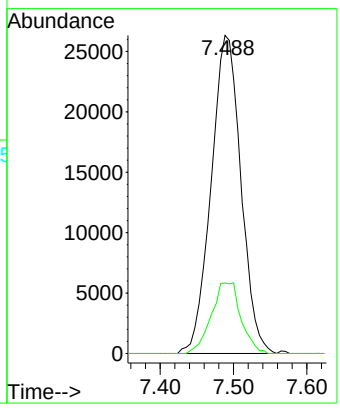




#31
2,2-Dichloropropane
Concen: 19.908 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 77 Resp: 74258

Ion	Ratio	Lower	Upper
77	100		
97	14.4	11.5	17.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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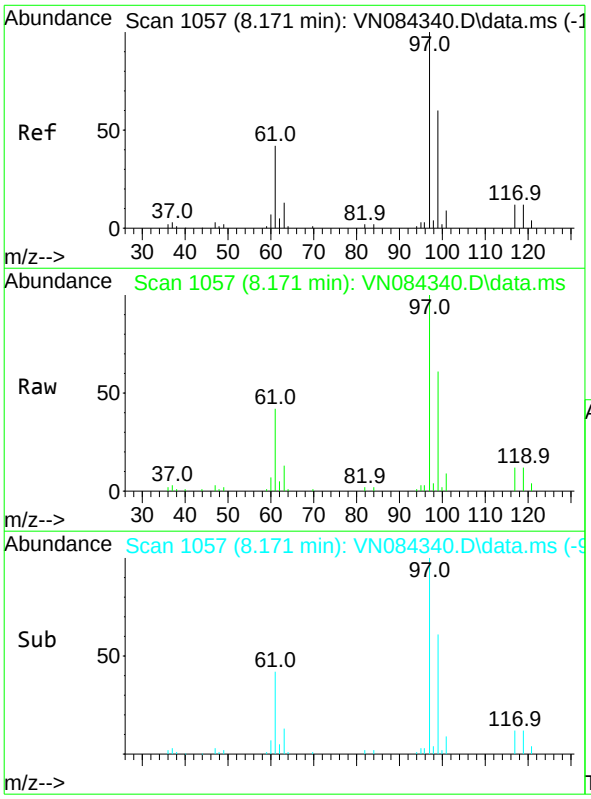
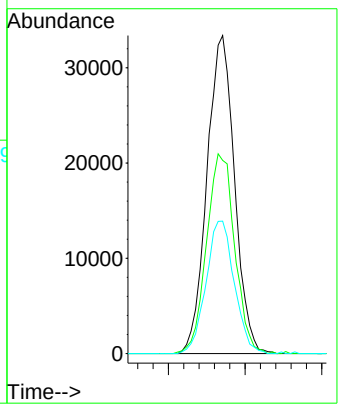
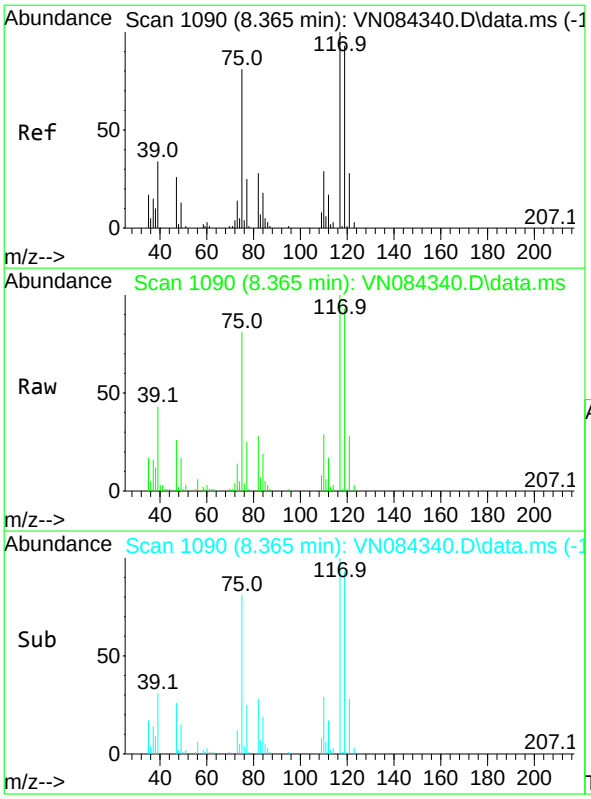


#32
1,1,1-Trichloroethane
Concen: 20.585 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 97 Resp: 83522

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	42.6	34.1	51.1

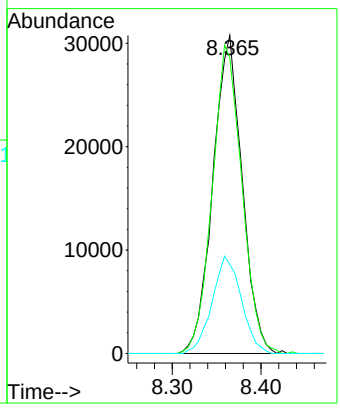




#33
Carbon Tetrachloride
Concen: 19.964 ug/l
RT: 8.365 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:117 Resp: 70174

Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.3	111.5
121	28.0	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
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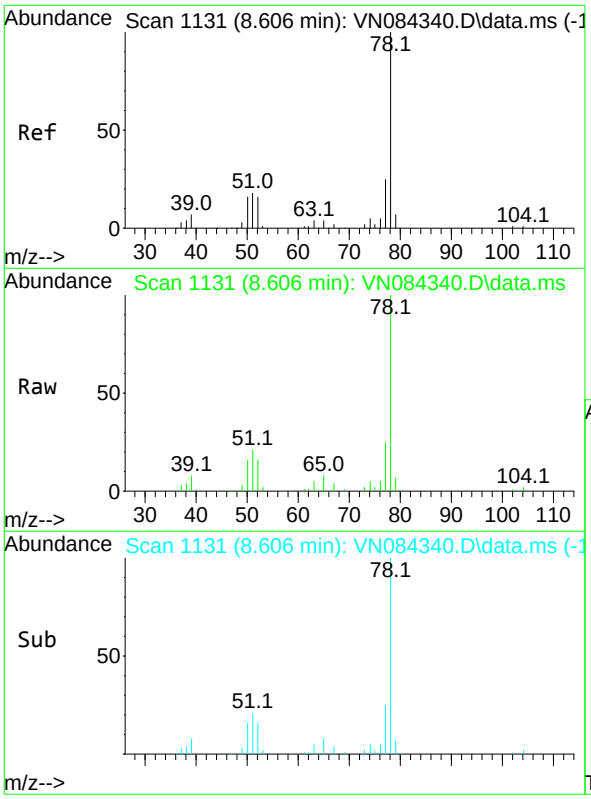
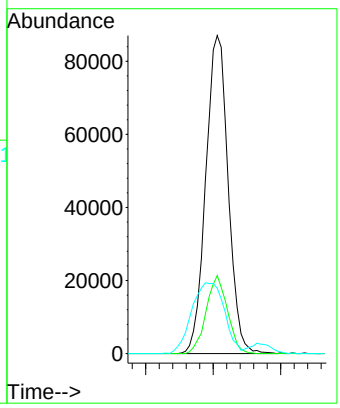
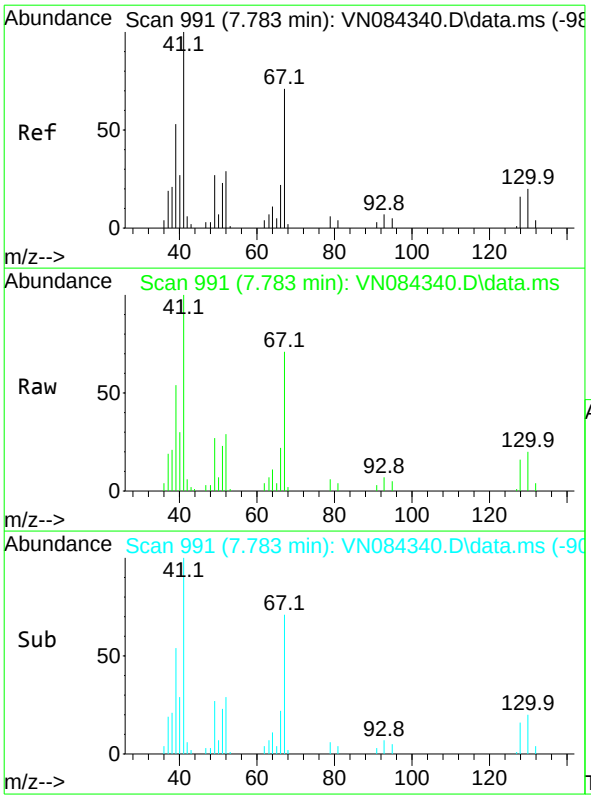


#34
Benzene
Concen: 20.202 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 78 Resp: 200730

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4
51	19.7	15.8	23.6

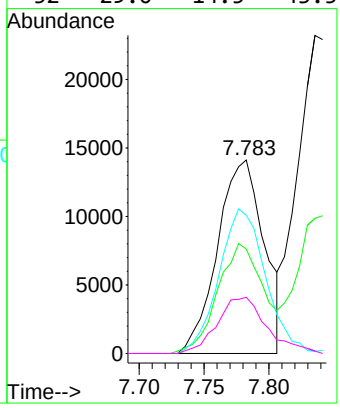




#35
Methacrylonitrile
Concen: 19.549 ug/l
RT: 7.783 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 41 Resp: 35246

Ion	Ratio	Lower	Upper
41	100		
39	52.7	26.4	79.0
67	71.4	35.7	107.1
52	29.0	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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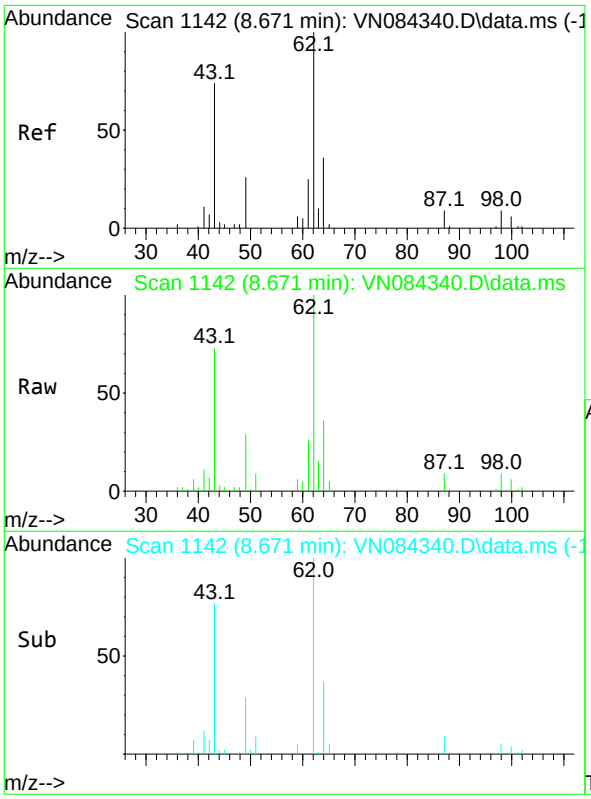
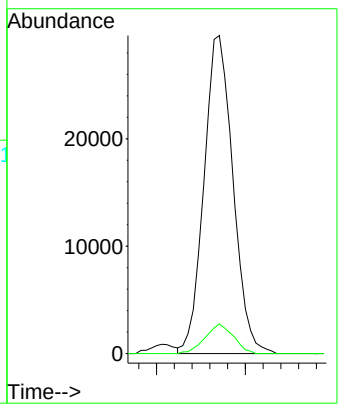
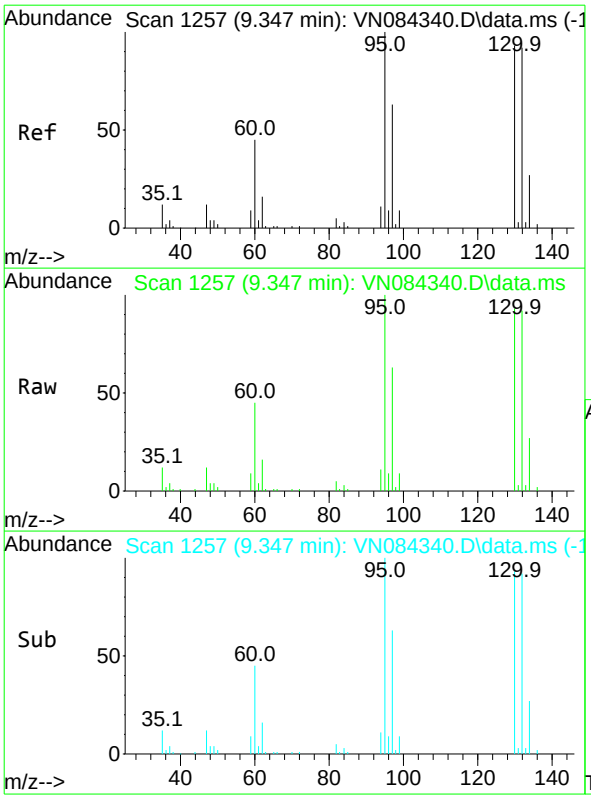


#36
1,2-Dichloroethane
Concen: 20.311 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 62 Resp: 67270

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

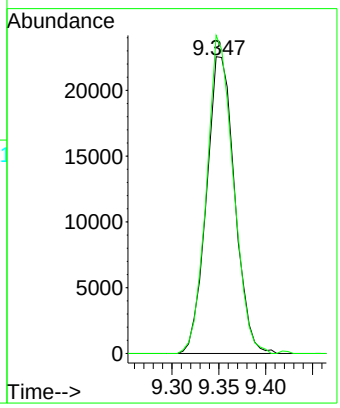




#37
Trichloroethene
Concen: 20.604 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:130 Resp: 47143

Ion	Ratio	Lower	Upper
130	100		
95	107.2	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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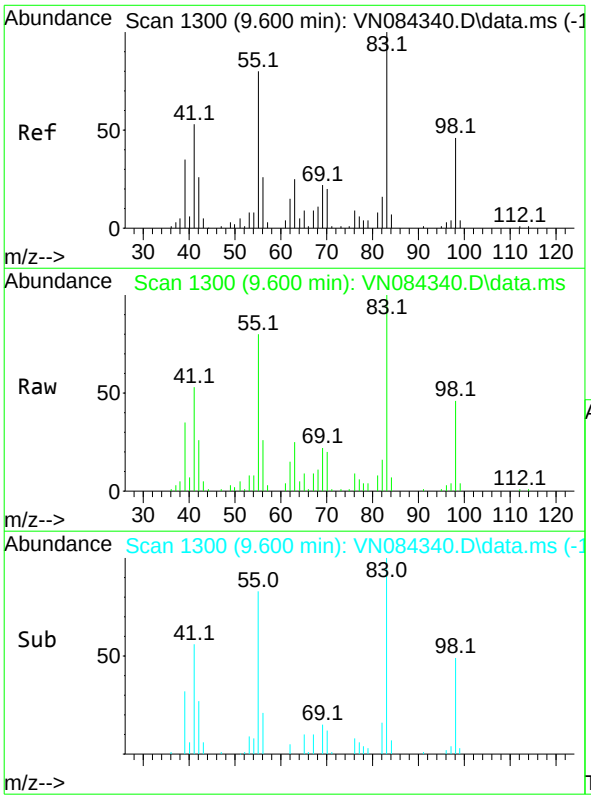
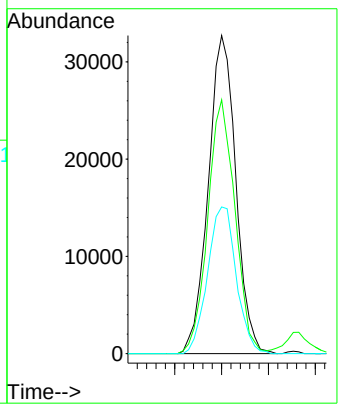
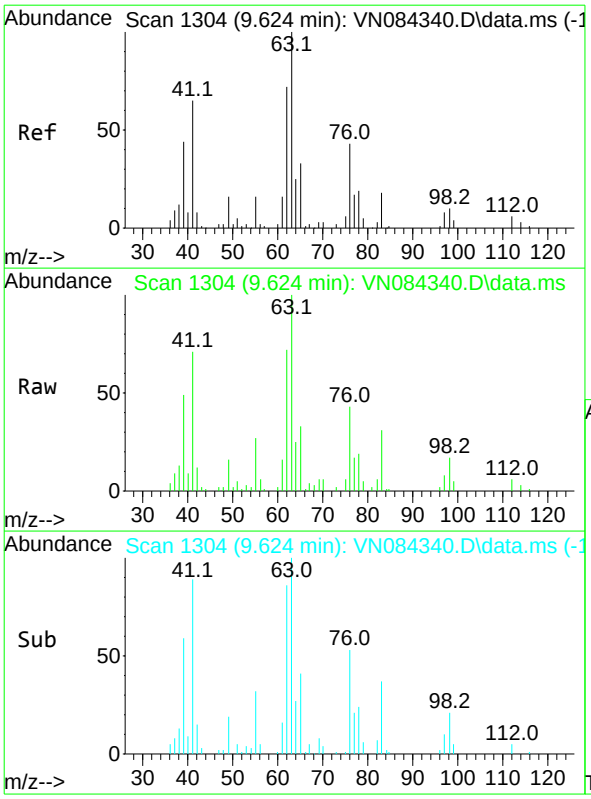


#38
Methylcyclohexane
Concen: 19.189 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 83 Resp: 66905

Ion	Ratio	Lower	Upper
83	100		
55	78.5	39.3	117.8
98	48.0	24.0	72.0

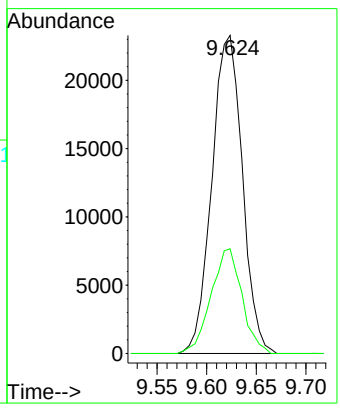




#39
1,2-Dichloropropane
Concen: 20.547 ug/l
RT: 9.624 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 63 Resp: 49785

Ion	Ratio	Lower	Upper
63	100		
65	32.9	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
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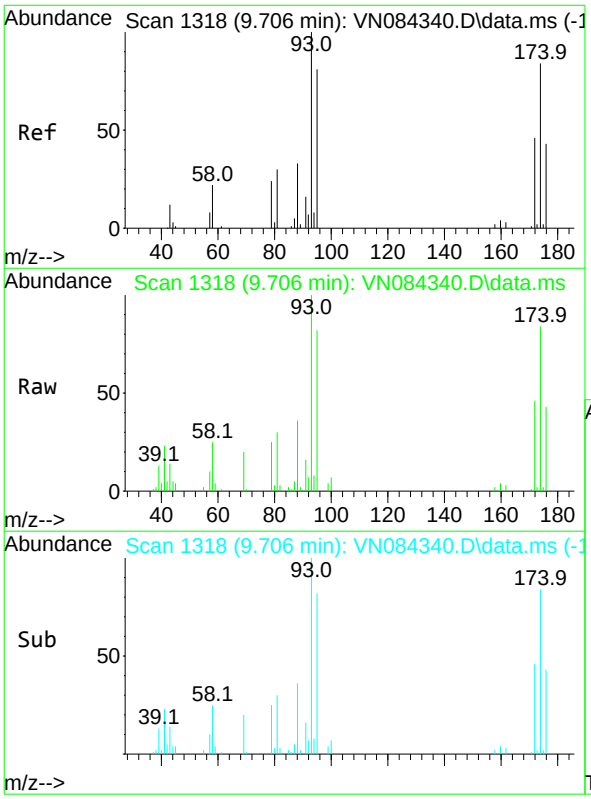
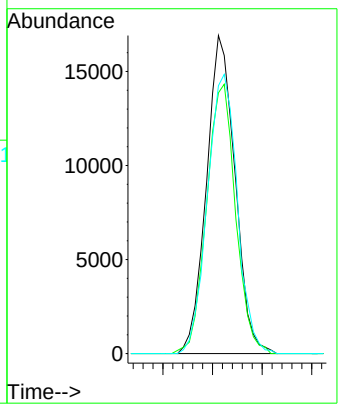
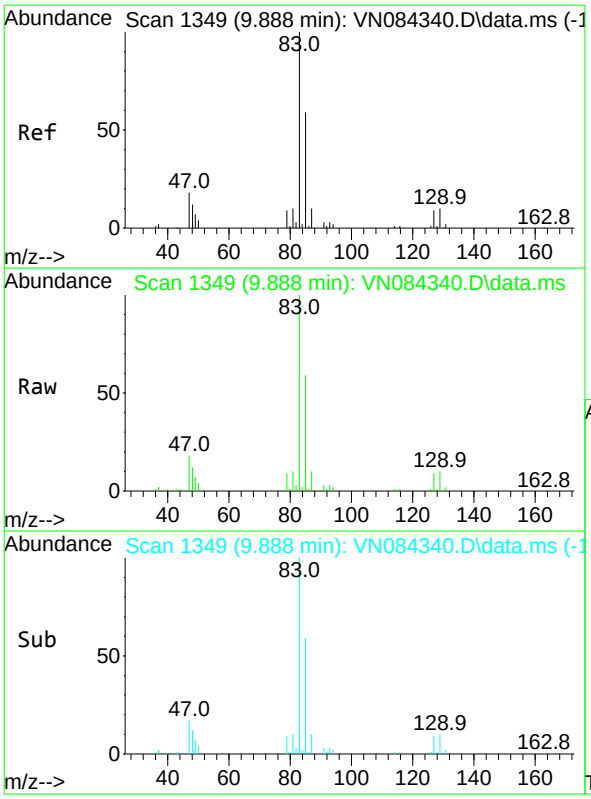


#40
Dibromomethane
Concen: 20.007 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 93 Resp: 33881

Ion	Ratio	Lower	Upper
93	100		
95	85.7	0.0	171.4
174	91.5	0.0	183.0

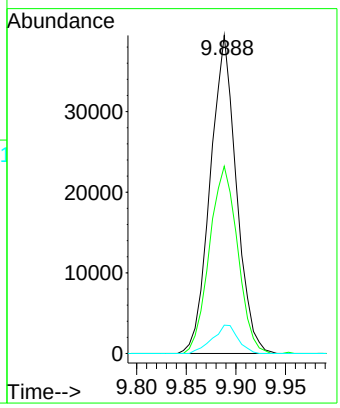




#41
Bromodichloromethane
Concen: 20.057 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 83 Resp: 72106

Ion	Ratio	Lower	Upper
83	100		
85	58.9	47.1	70.7
127	8.9	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
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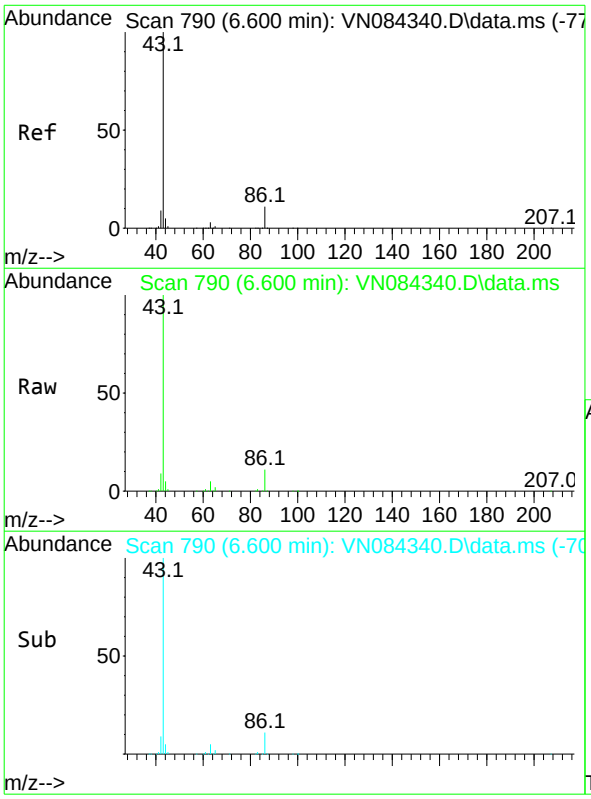
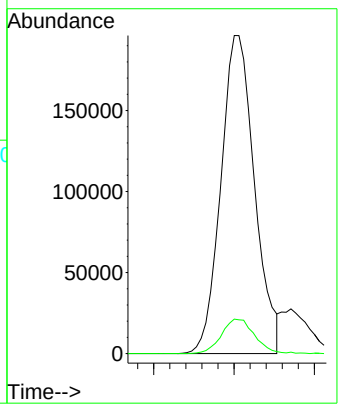
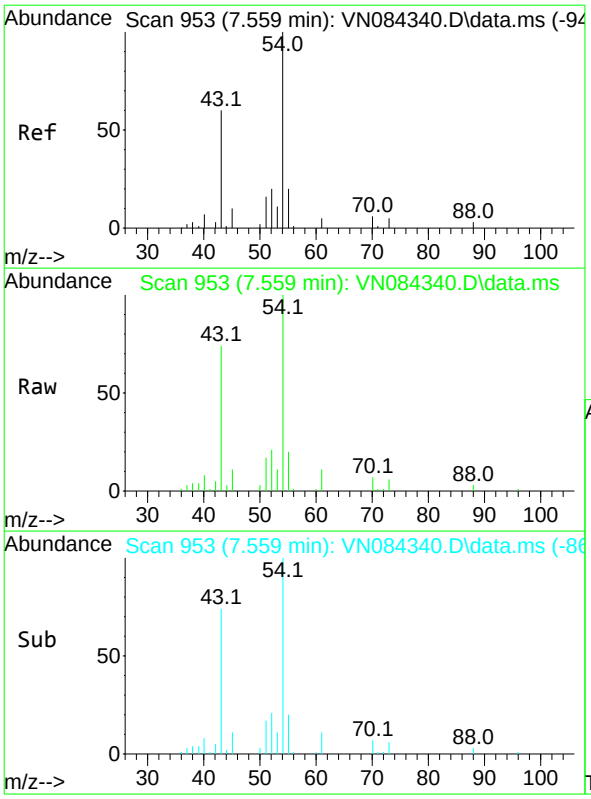


#42
Vinyl Acetate
Concen: 97.351 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 572205

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

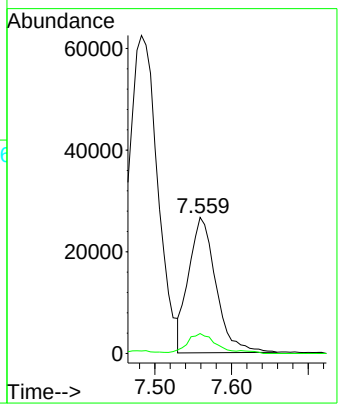




#43
Ethyl Acetate
Concen: 19.692 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 65636

Ion	Ratio	Lower	Upper
43	100		
45	13.3	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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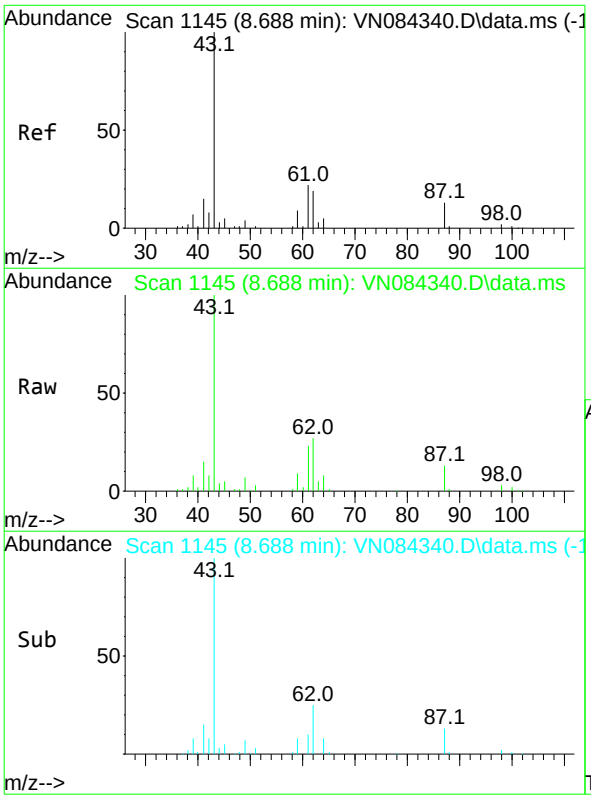
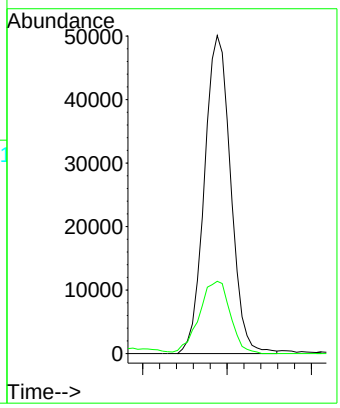
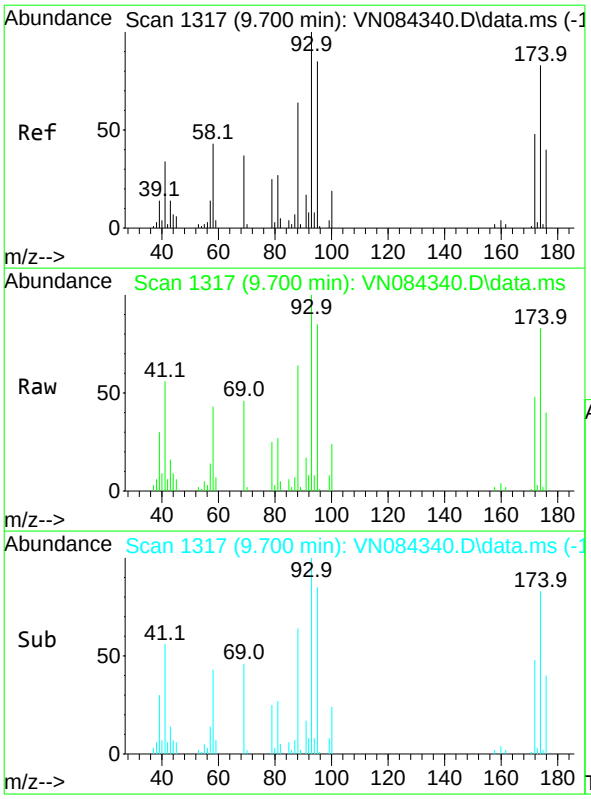


#44
Isopropyl Acetate
Concen: 19.860 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 108346

Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2





#45
1,4-Dioxane
Concen: 376.387 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 88 Resp: 18510

Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.4	33.6
58	74.6	59.7	89.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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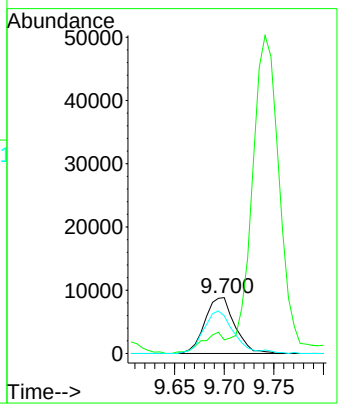
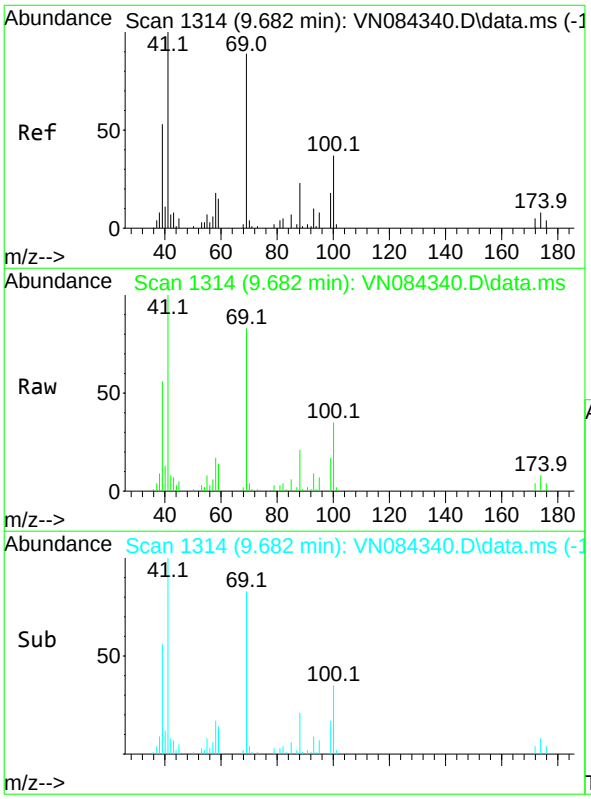
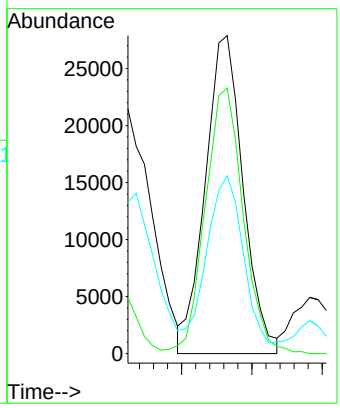


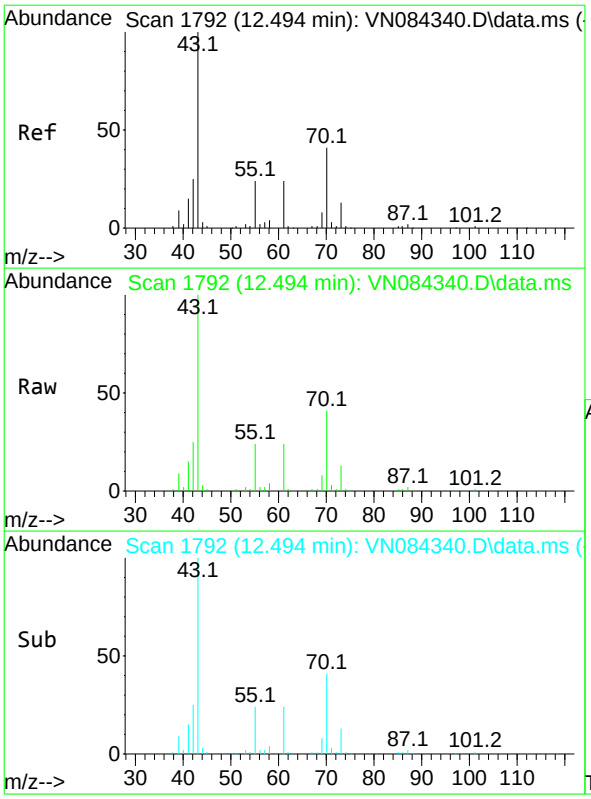


#46
Methyl methacrylate
Concen: 19.761 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 41 Resp: 52087

Ion	Ratio	Lower	Upper
41	100		
69	85.3	42.6	128.0
39	54.9	27.5	82.4

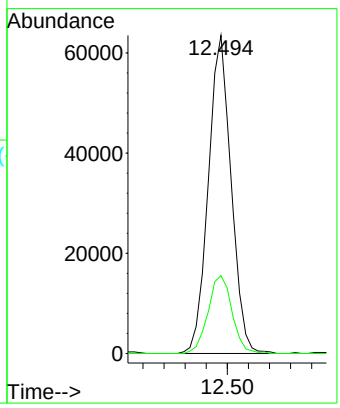




#47
n-amyl Acetate
Concen: 19.654 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 95368

Ion	Ratio	Lower	Upper
43	100		
55	25.8	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
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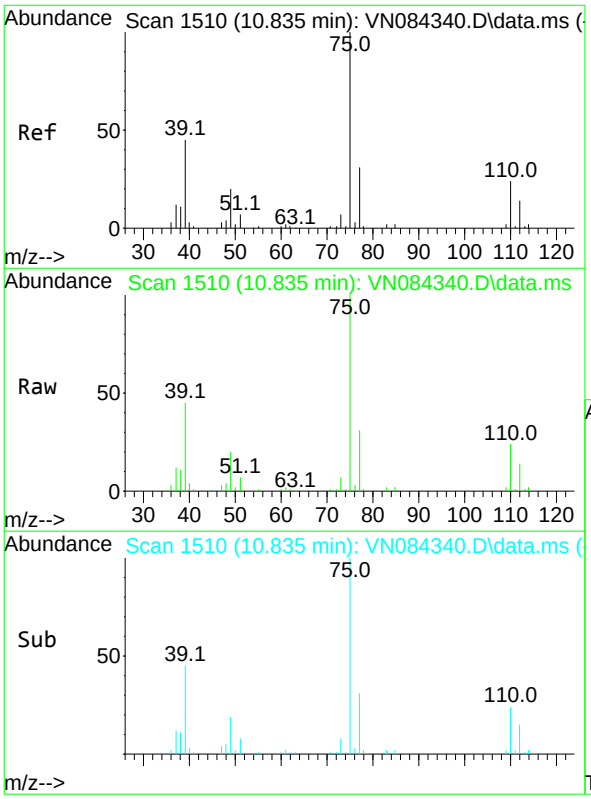
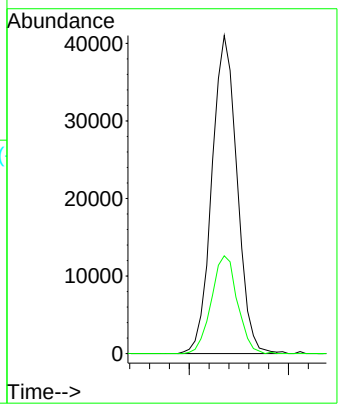
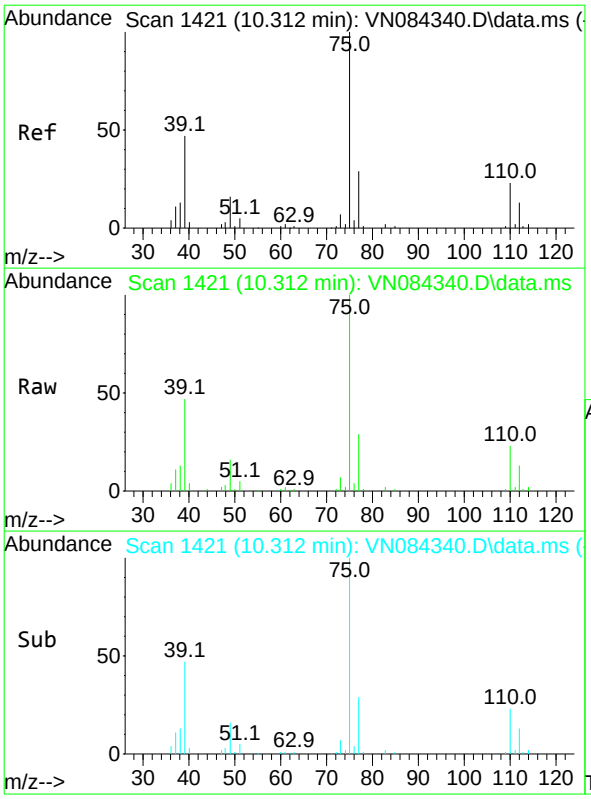


#48
t-1,3-Dichloropropene
Concen: 19.470 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 72331

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0

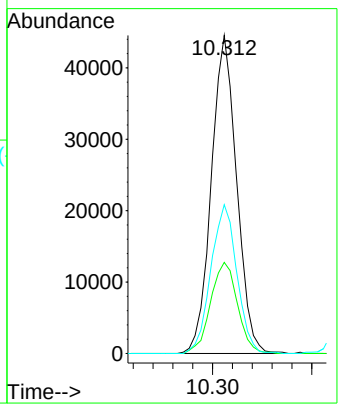




#49
cis-1,3-Dichloropropene
Concen: 20.292 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 79003

Ion	Ratio	Lower	Upper
75	100		
77	28.6	22.9	34.3
39	46.8	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
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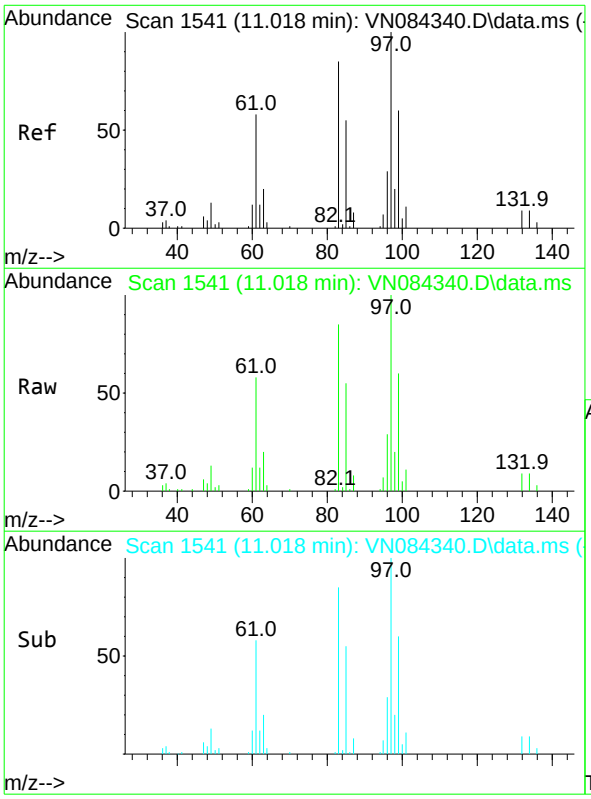
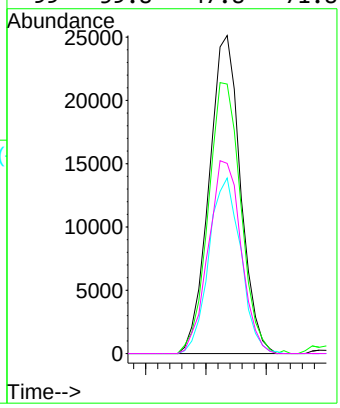
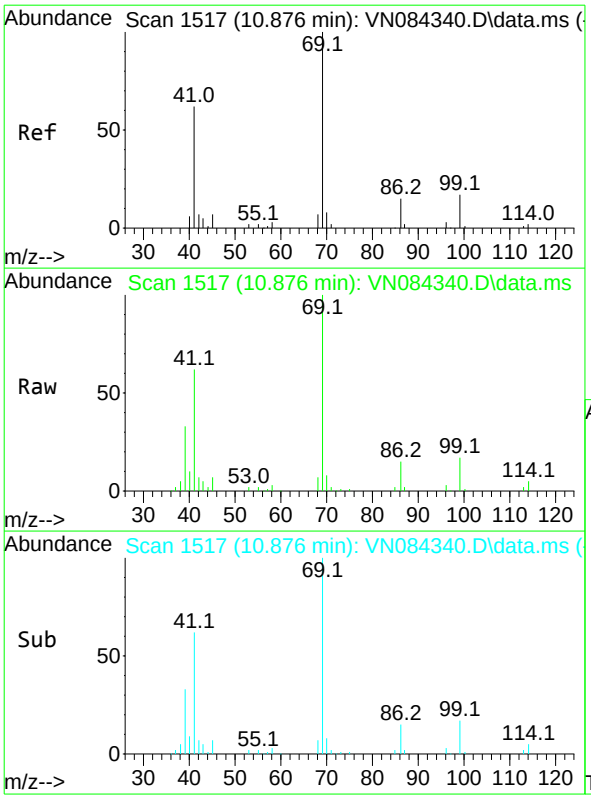


#50
1,1,2-Trichloroethane
Concen: 20.033 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 97 Resp: 45599

Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.8	101.8
85	55.2	44.2	66.2
99	59.8	47.8	71.8

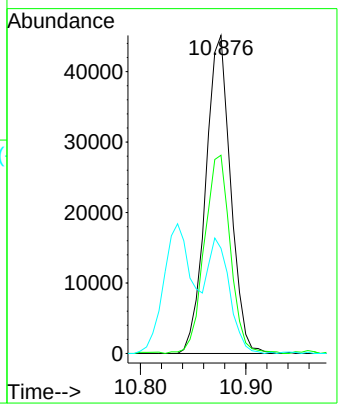




#51
Ethyl methacrylate
Concen: 19.701 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 69 Resp: 74070

Ion	Ratio	Lower	Upper
69	100		
41	61.8	30.9	92.7
39	33.1	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
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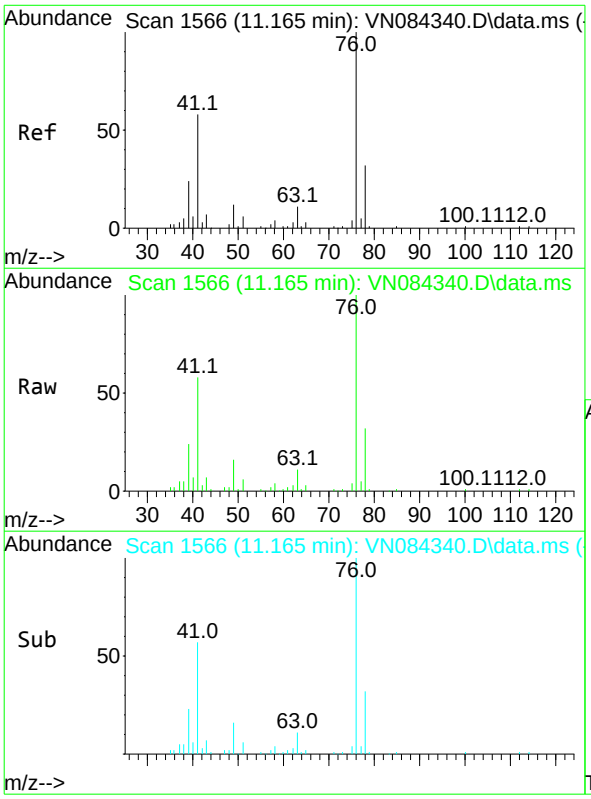
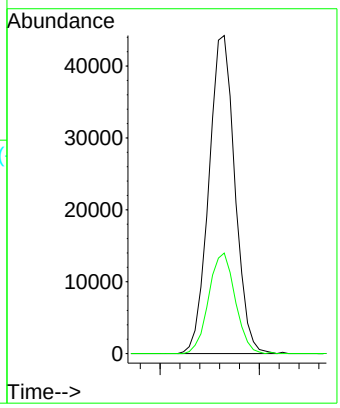
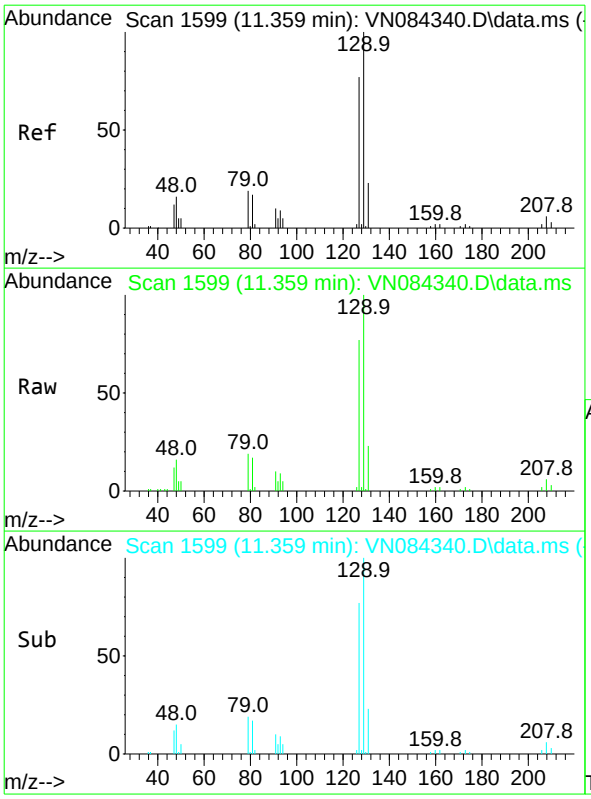


#52
1,3-Dichloropropane
Concen: 20.257 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 76 Resp: 80622

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2

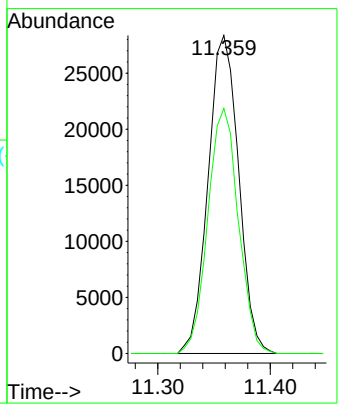




#53
Dibromochloromethane
Concen: 19.920 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:129 Resp: 53563

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
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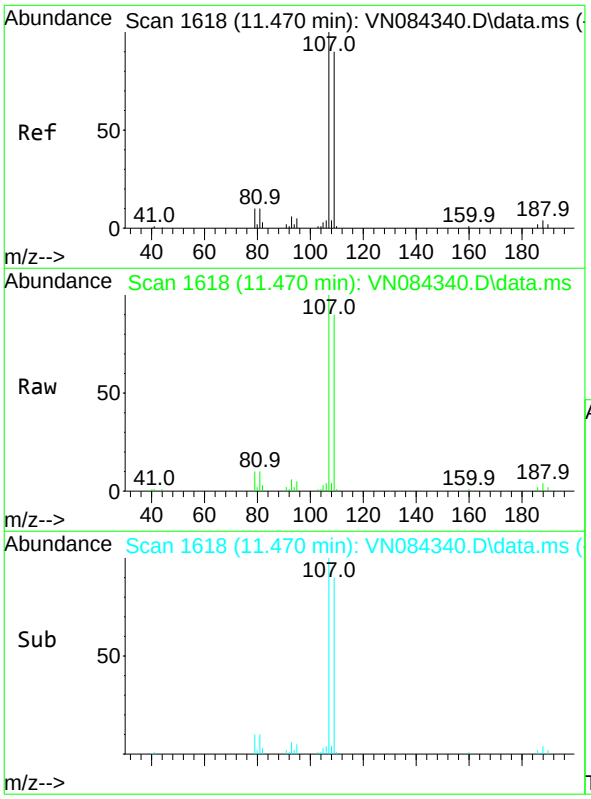
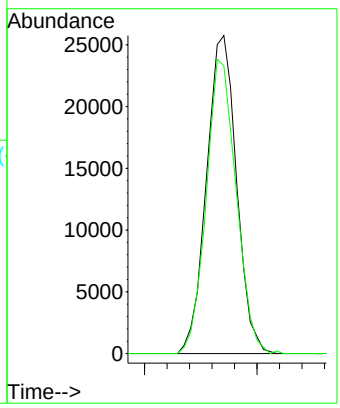
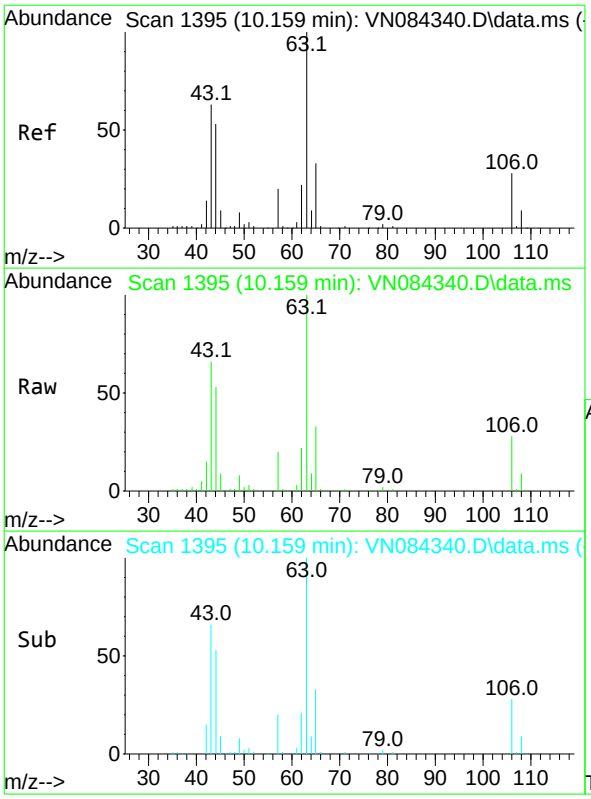


#54
1,2-Dibromoethane
Concen: 20.362 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:107 Resp: 47708

Ion	Ratio	Lower	Upper
107	100		
109	92.2	73.8	110.6

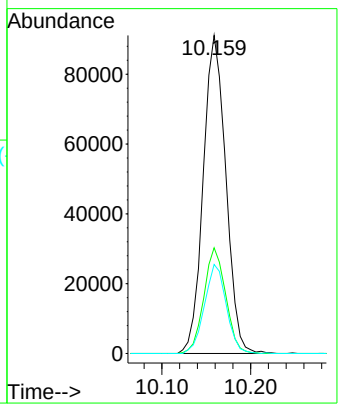




#55
2-Chloroethyl vinyl ether
Concen: 94.667 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 63 Resp: 161430

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.6	38.4
106	27.0	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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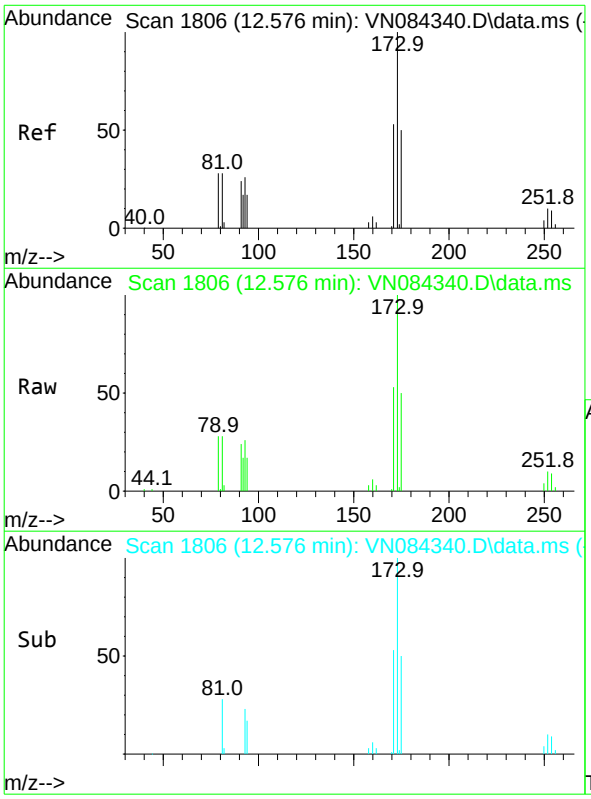
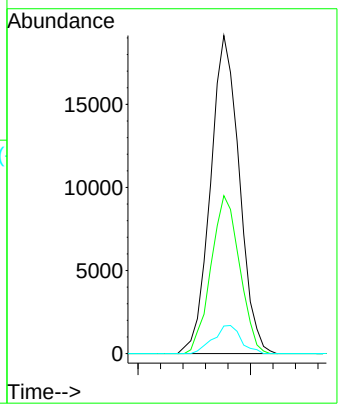
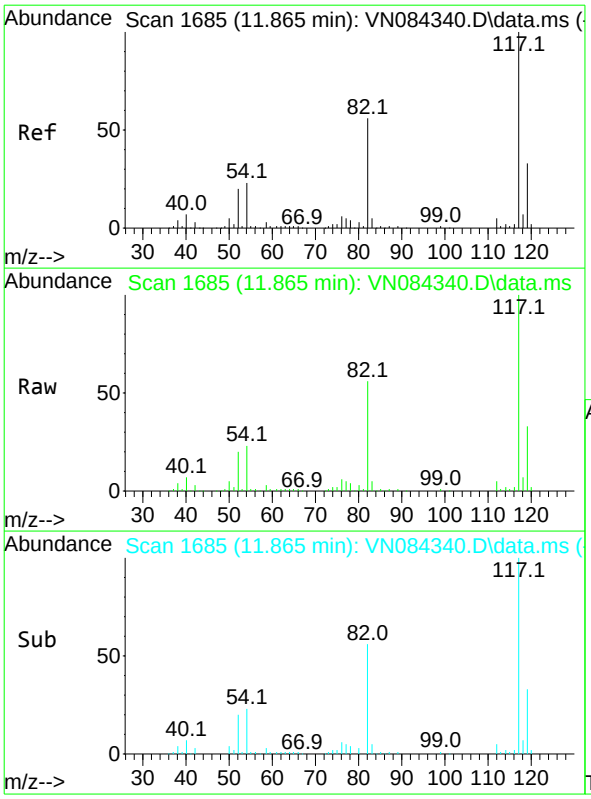


#56
Bromoform
Concen: 19.091 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:173 Resp: 34047

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.4	59.2
254	8.5	6.8	10.2

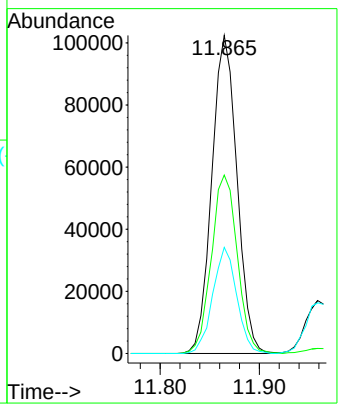




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:117 Resp: 180372

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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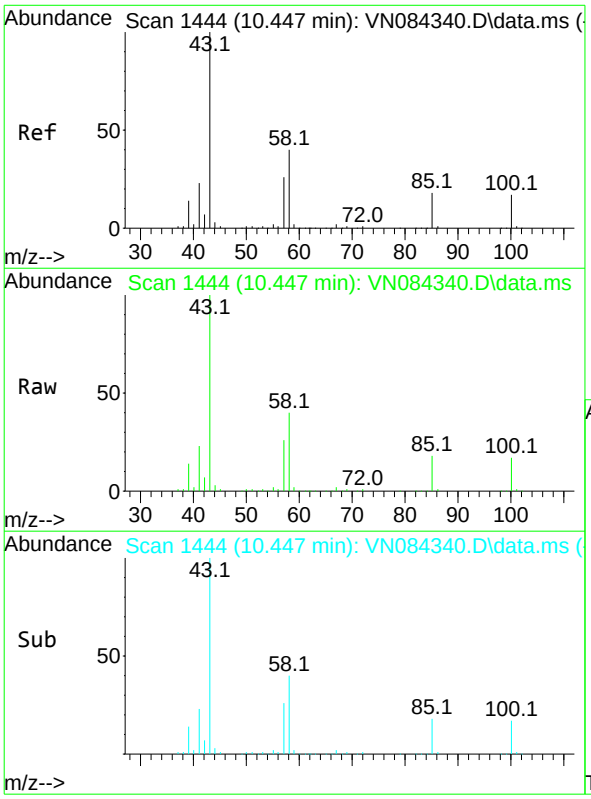
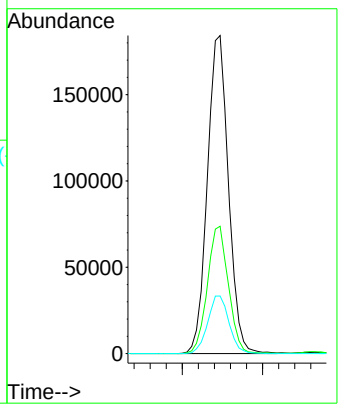
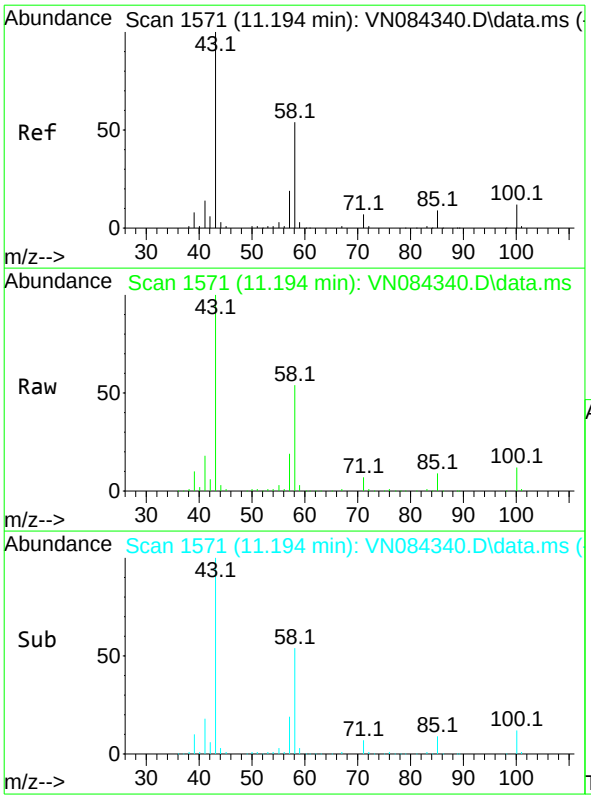


#58
4-Methyl-2-Pentanone
Concen: 100.014 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 336052

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9
85	18.3	14.6	22.0

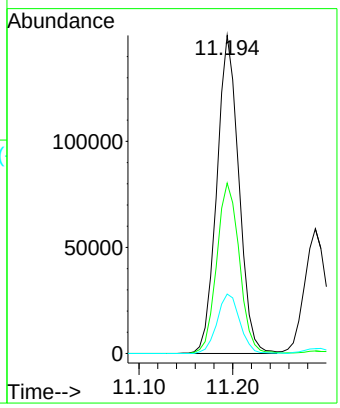




#59
2-Hexanone
Concen: 98.139 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 245030

Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.0	66.0
57	19.3	15.4	23.2



Instrument :
MSVOA_N
ClientSampleId :
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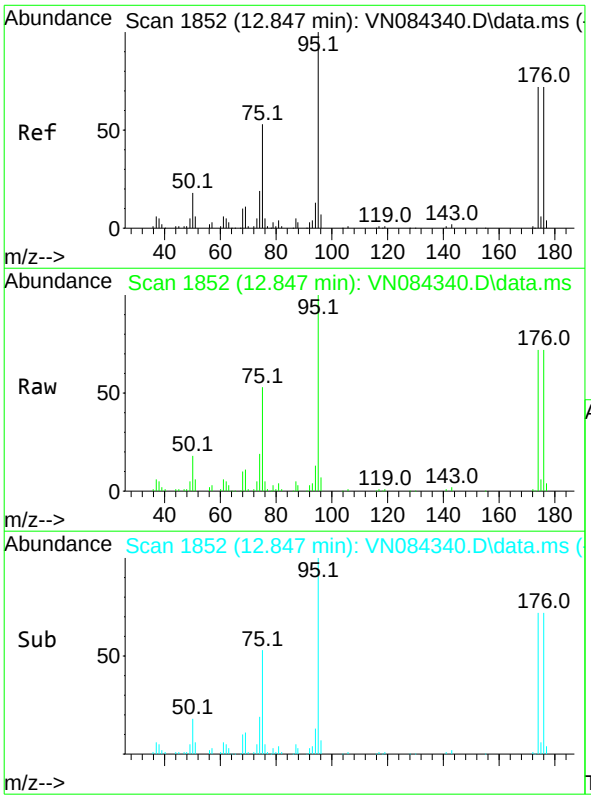
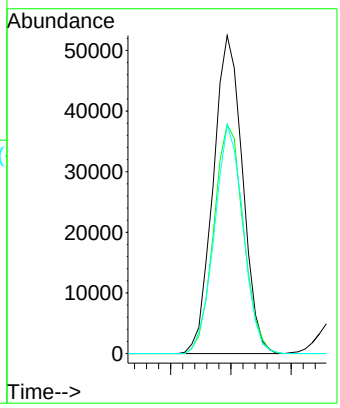
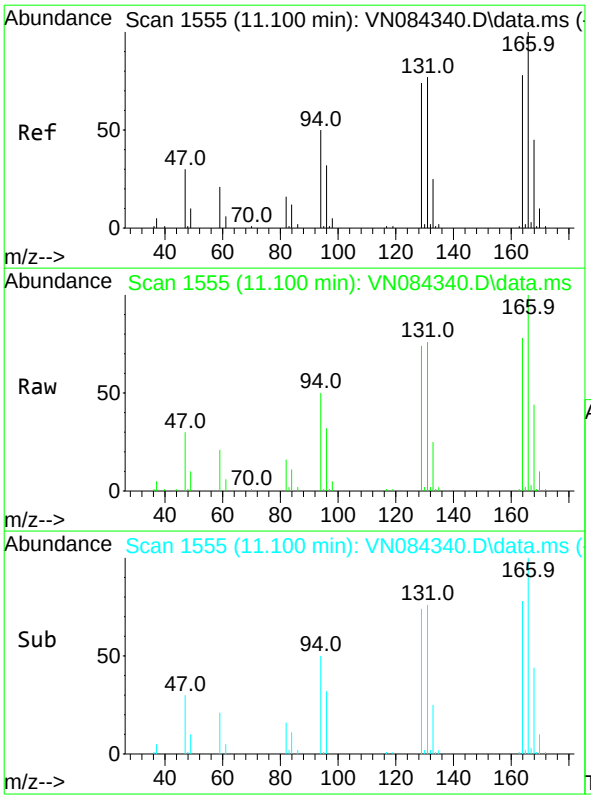


#60
4-Bromofluorobenzene
Concen: 29.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 95 Resp: 88736

Ion	Ratio	Lower	Upper
95	100		
174	72.7	58.2	87.2
176	70.5	56.4	84.6

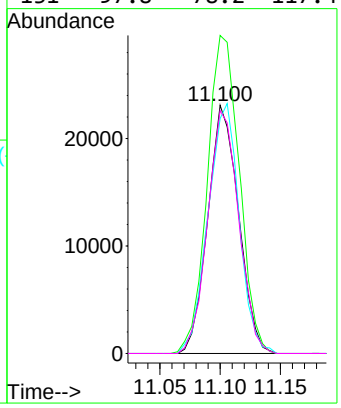




#61
Tetrachloroethene
Concen: 20.131 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:164 Resp: 41072

Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	94.6	75.7	113.5
131	97.8	78.2	117.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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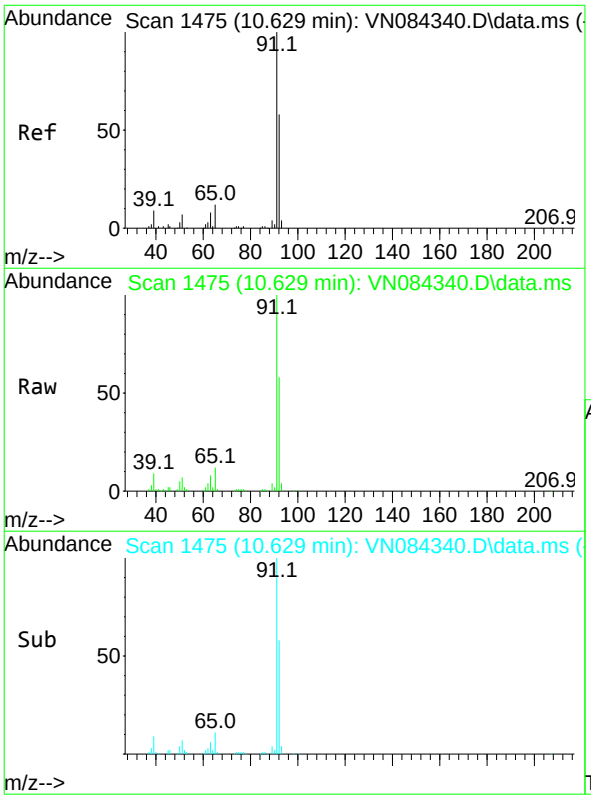
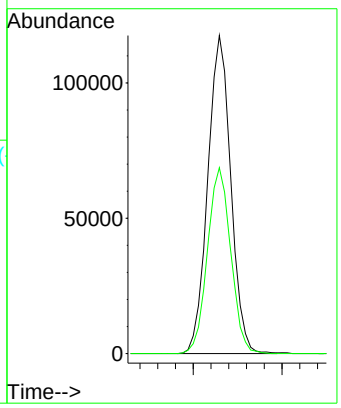
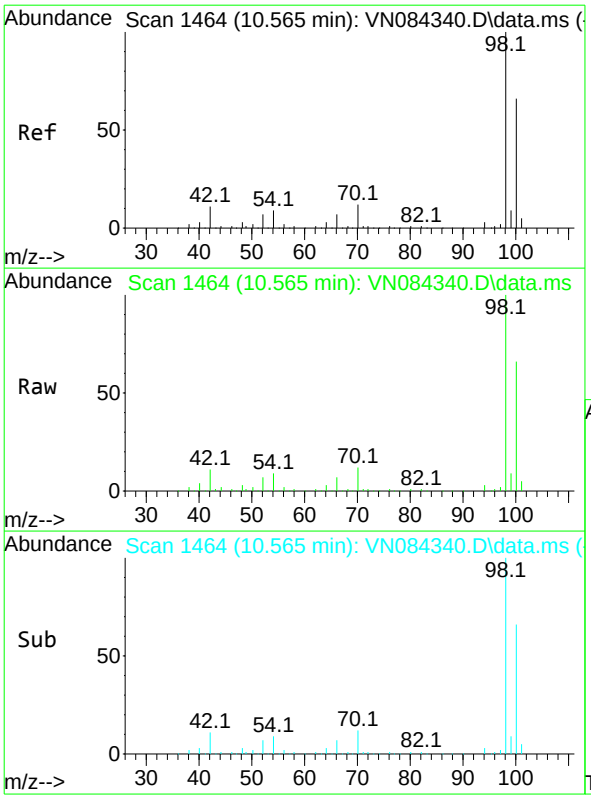


#62
Toluene
Concen: 20.058 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 211795

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.2	70.8





#63
Toluene-d8
Concen: 30.121 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 98 Resp: 251690

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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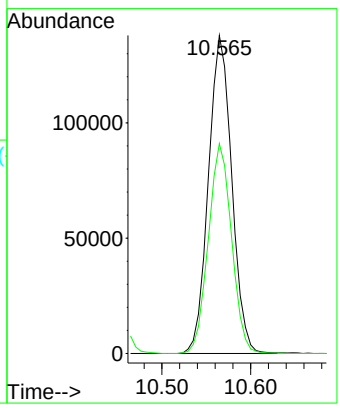
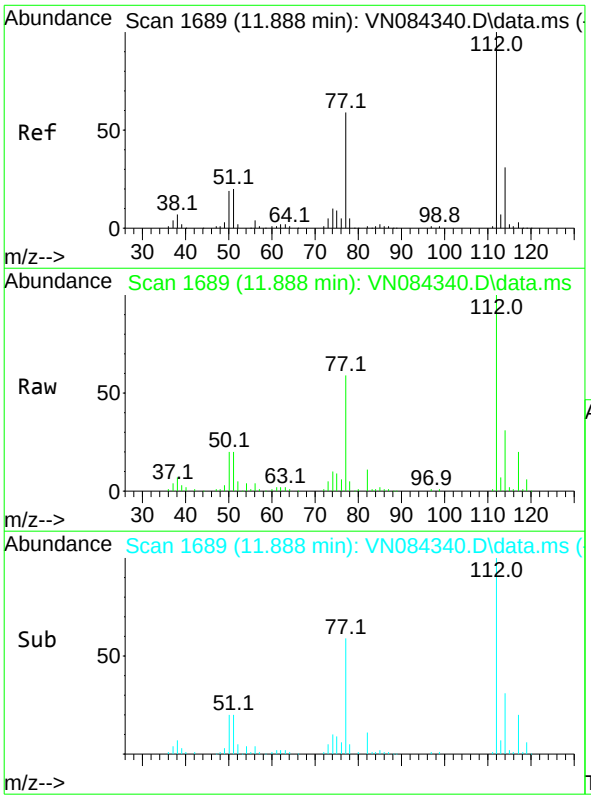
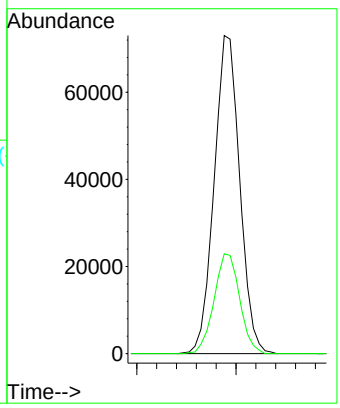


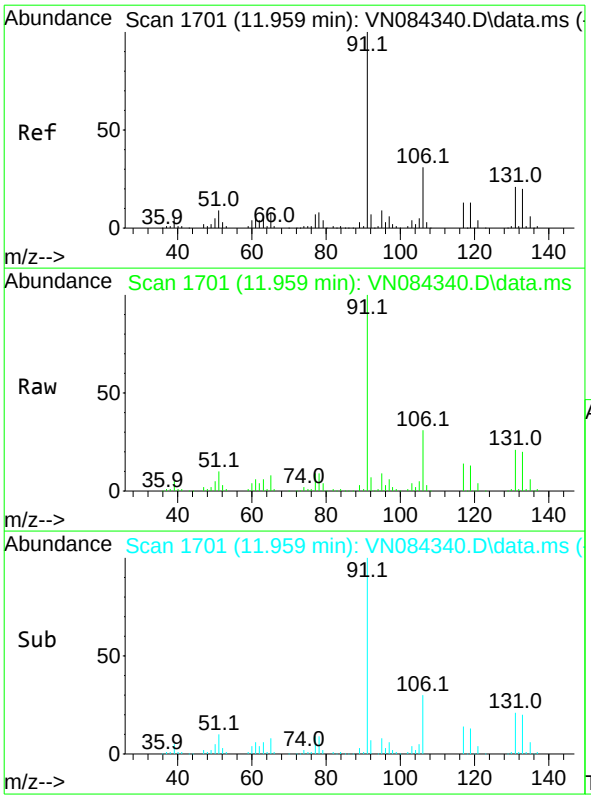


#64
Chlorobenzene
Concen: 19.878 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:112 Resp: 130620

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

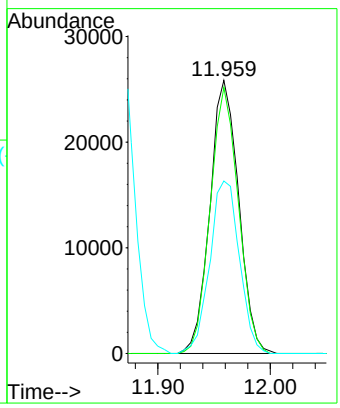




#65
1,1,1,2-Tetrachloroethane
Concen: 20.153 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:131 Resp: 46005

Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	190.4
119	65.0	0.0	130.0



Instrument :
MSVOA_N
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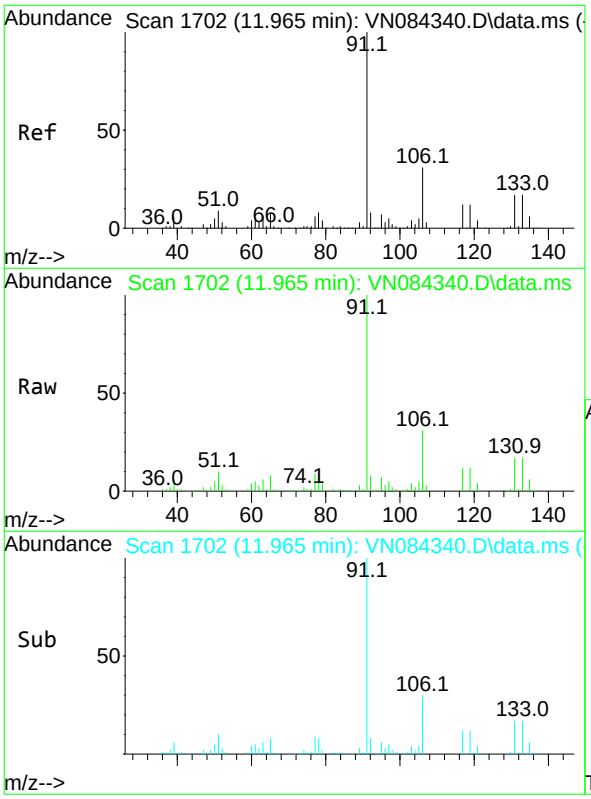
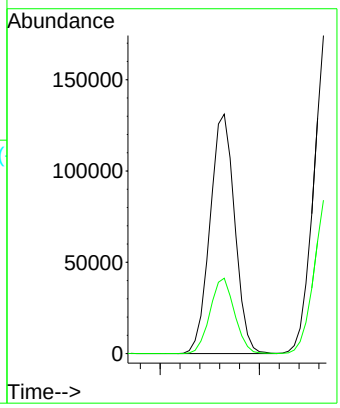
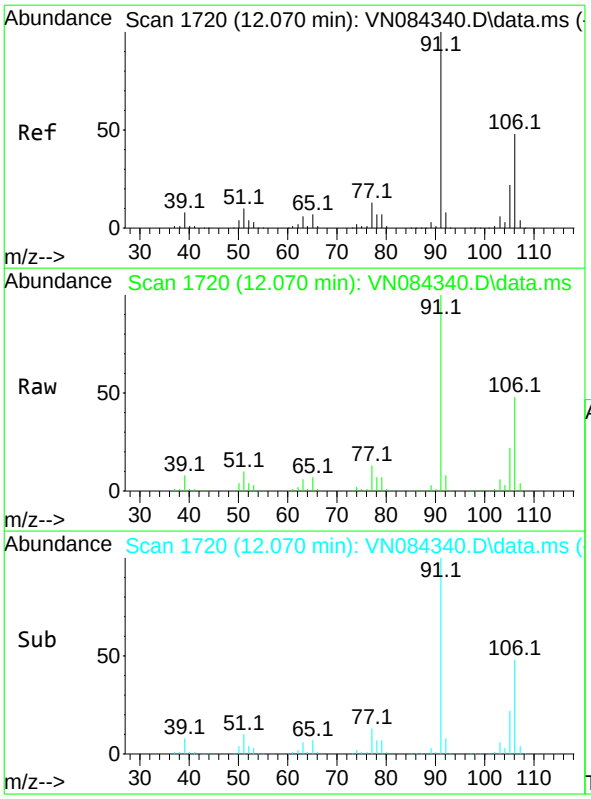


#66
Ethyl Benzene
Concen: 19.804 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 227198

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.2	37.8

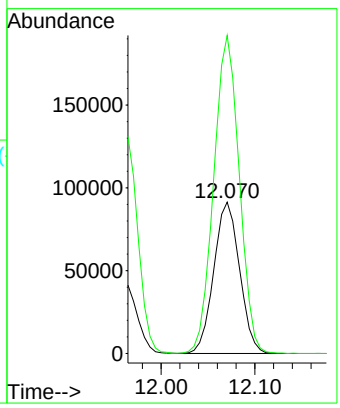




#67
m/p-Xylenes
Concen: 40.081 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:106 Resp: 174434

Ion	Ratio	Lower	Upper
106	100		
91	208.4	166.7	250.1



Instrument :
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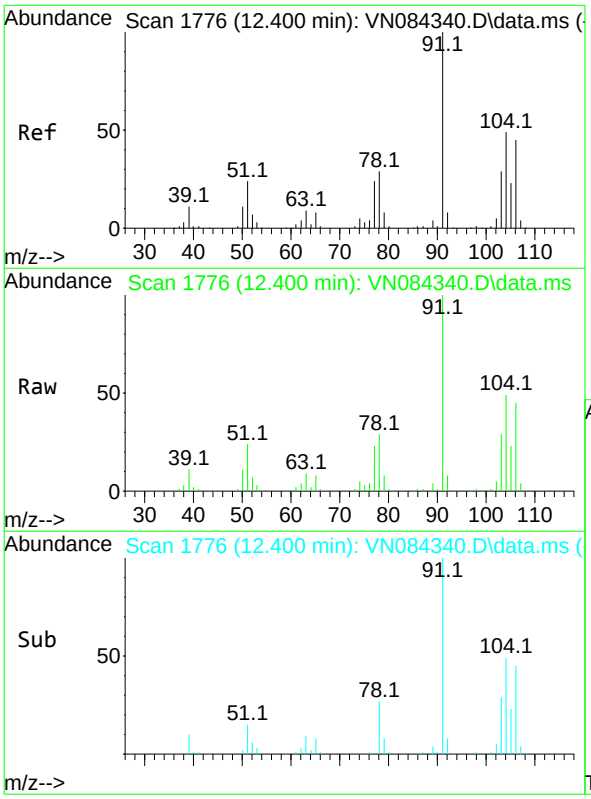
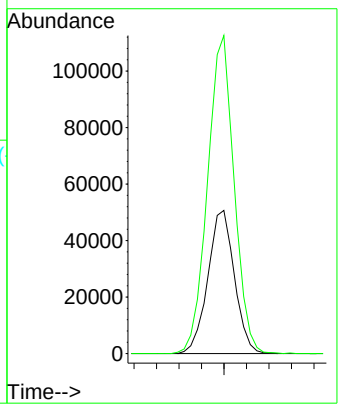
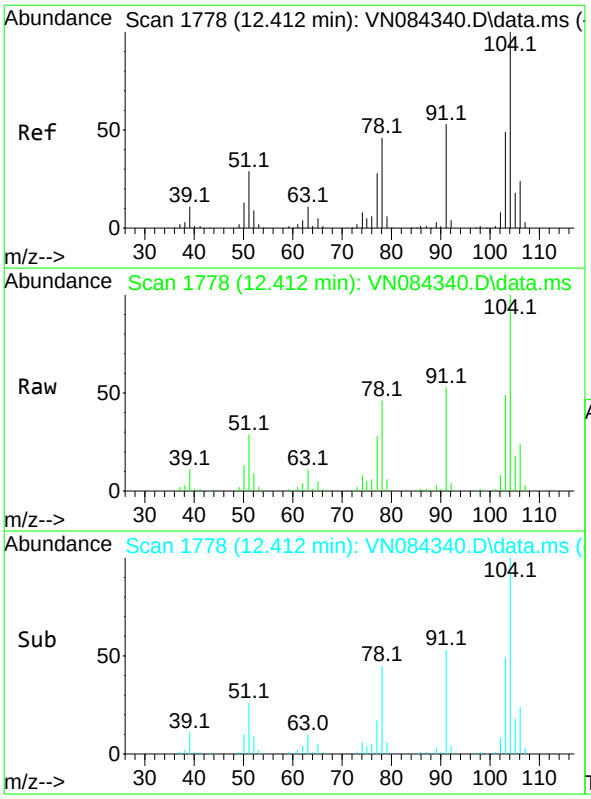


#68
o-Xylene
Concen: 19.823 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:106 Resp: 83154

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.9	332.9





#69
Styrene
Concen: 19.752 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:104 Resp: 142239

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	55.5	44.4	66.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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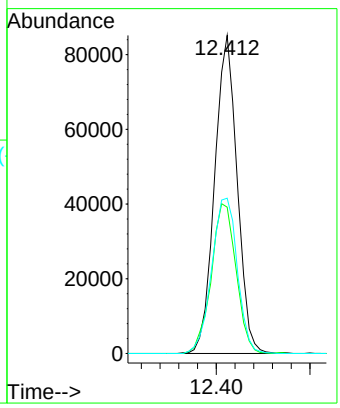
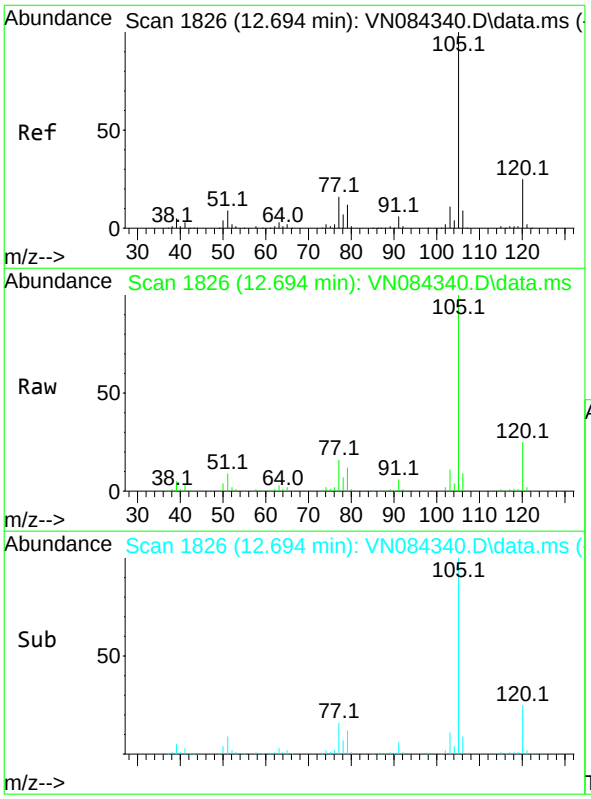
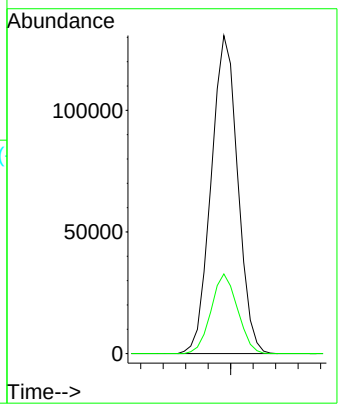


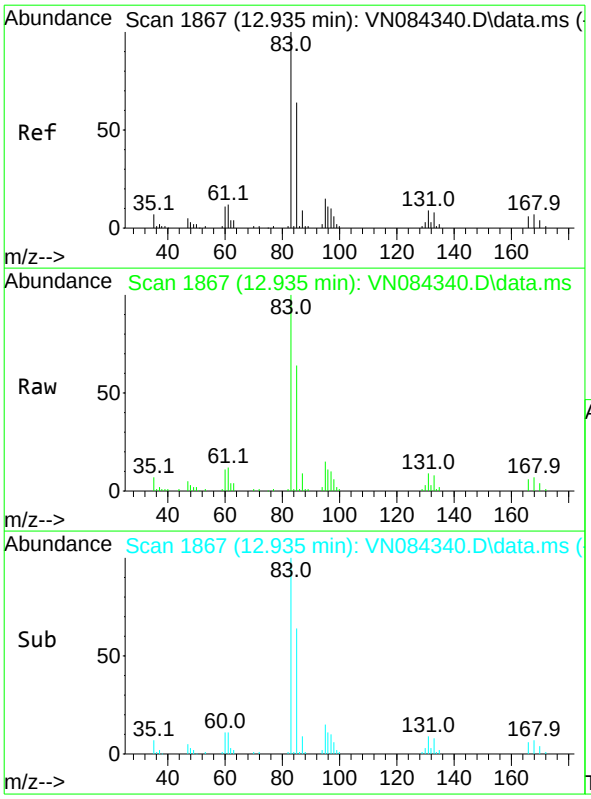


#70
Isopropylbenzene
Concen: 20.060 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 214822

Ion	Ratio	Lower	Upper
105	100		
120	24.9	17.4	32.4

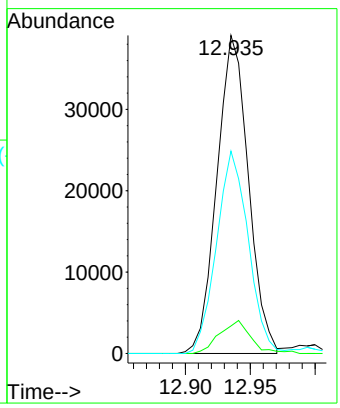




#71
1,1,2,2-Tetrachloroethane
Concen: 19.931 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 83 Resp: 66030

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.1	32.0	96.2



Instrument :
MSVOA_N
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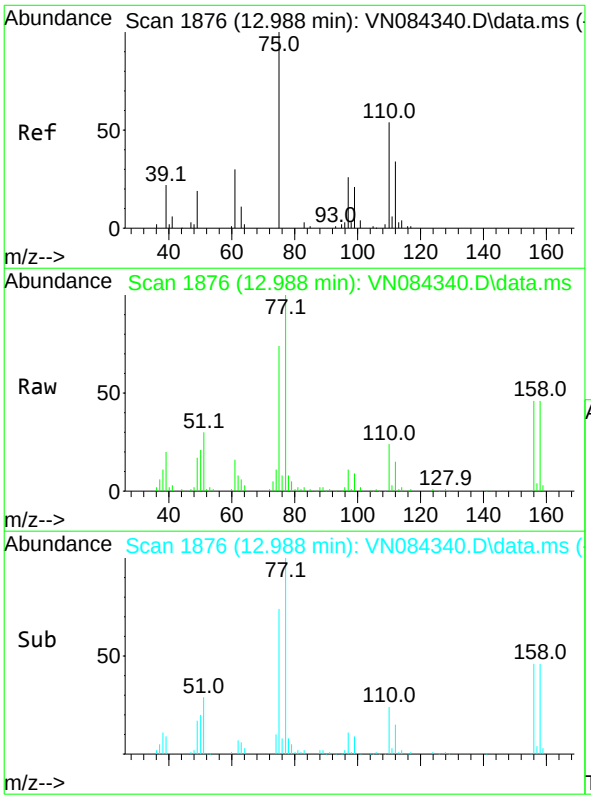
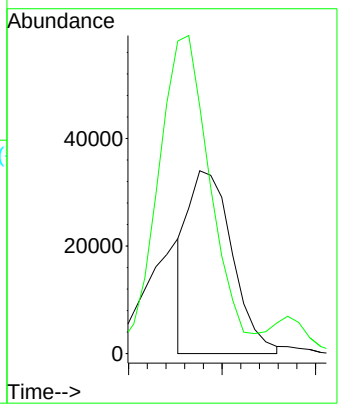
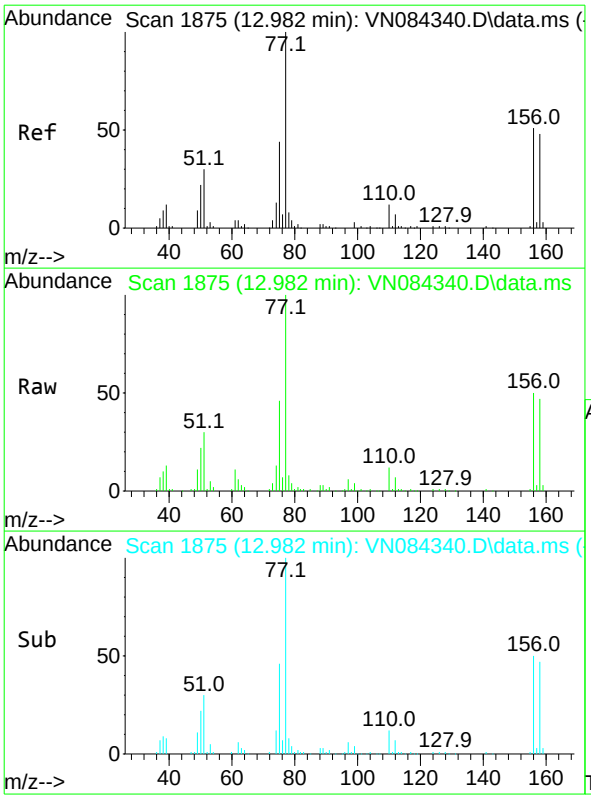


#72
1,2,3-Trichloropropane
Concen: 19.781 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 56046

Ion	Ratio	Lower	Upper
75	100		
77	207.0	0.0	414.0

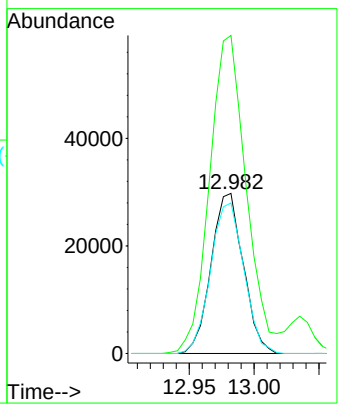




#73
Bromobenzene
Concen: 19.834 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:156 Resp: 51441

Ion	Ratio	Lower	Upper
156	100		
77	225.5	0.0	451.0
158	97.3	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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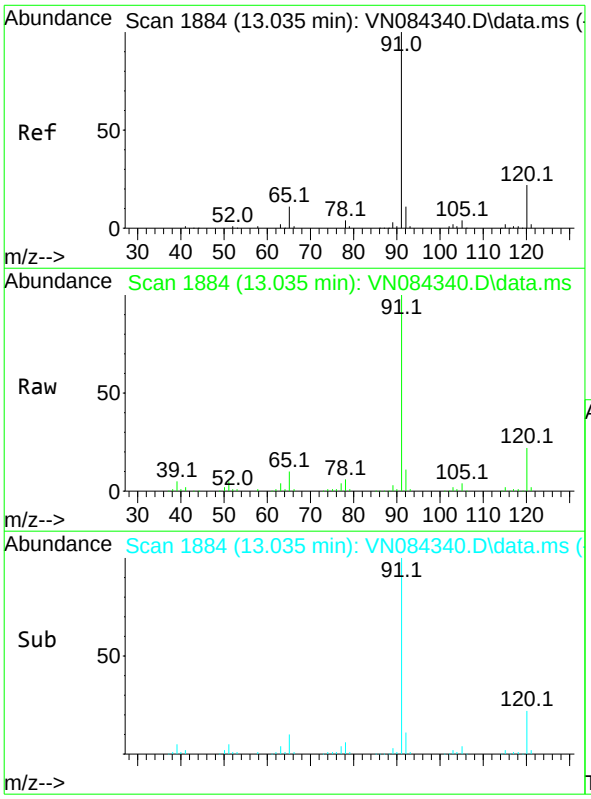
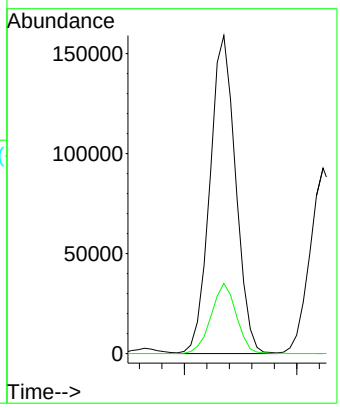
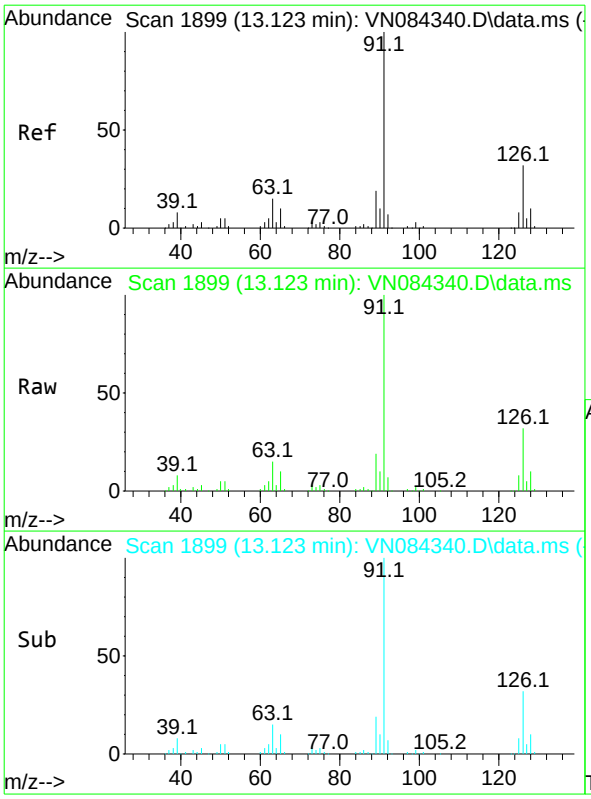


#74
n-propylbenzene
Concen: 19.856 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 253393

Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.2

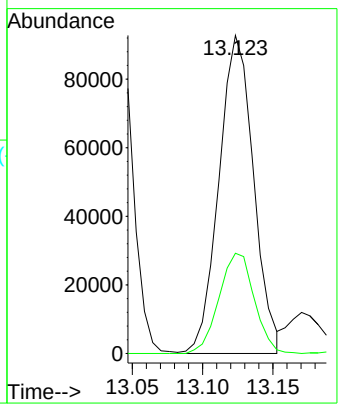




#75
2-Chlorotoluene
Concen: 20.048 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 158981

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0



Instrument :
MSVOA_N
ClientSampleId :
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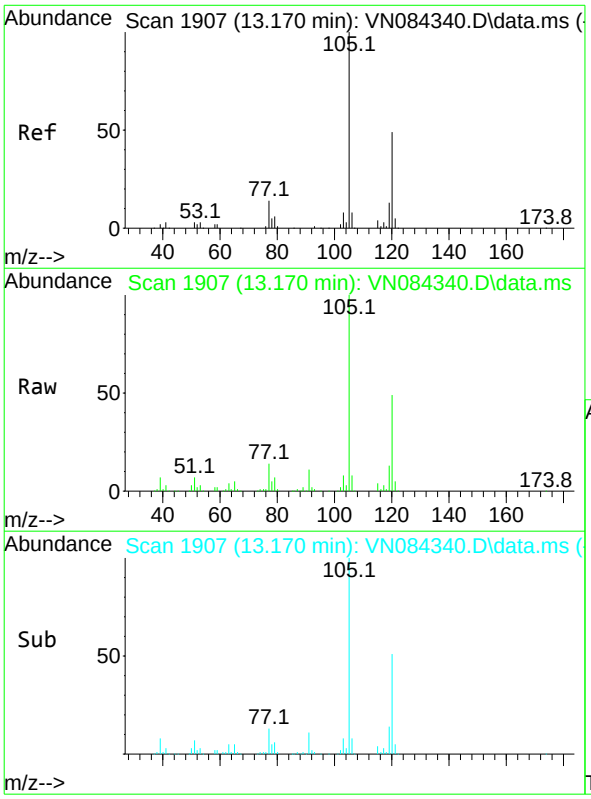
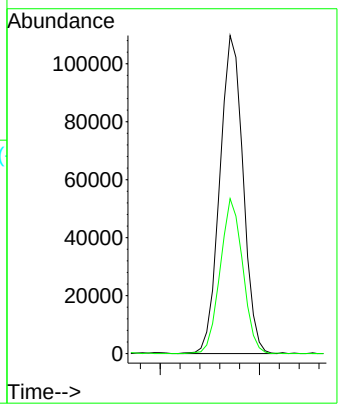
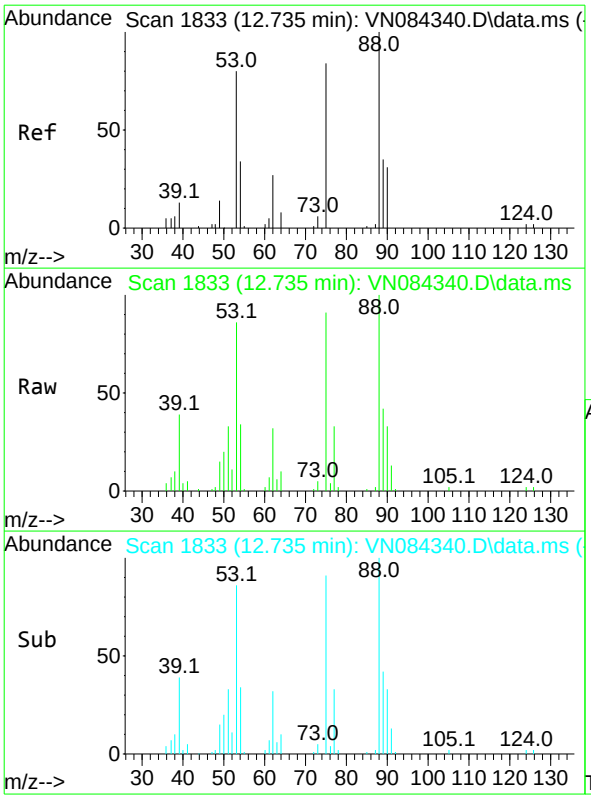


#76
1,3,5-Trimethylbenzene
Concen: 19.838 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 178878

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4

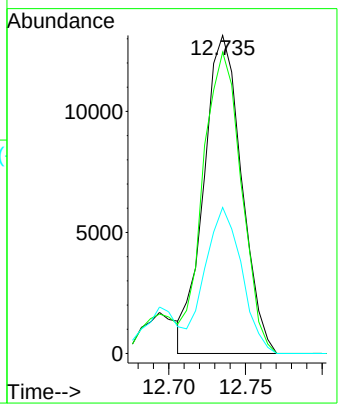




#77
t-1,4-Dichloro-2-butene
Concen: 18.583 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 22530

Ion	Ratio	Lower	Upper
75	100		
53	94.7	47.3	142.0
89	45.9	22.9	68.8



Instrument :
MSVOA_N
ClientSampleId :
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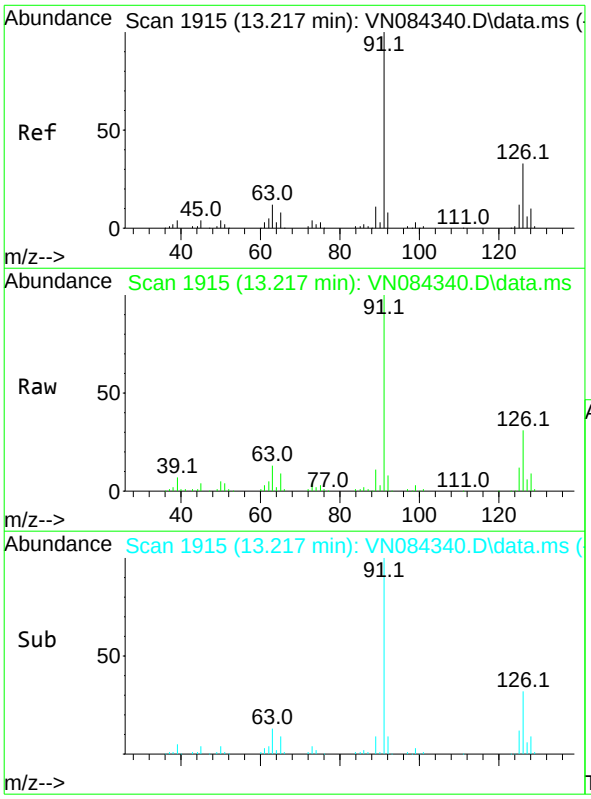
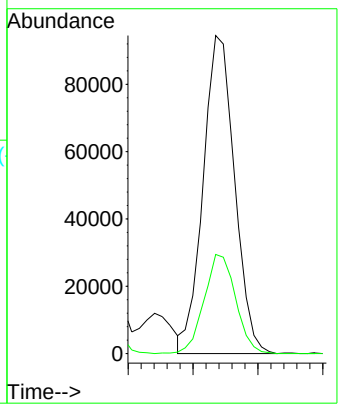
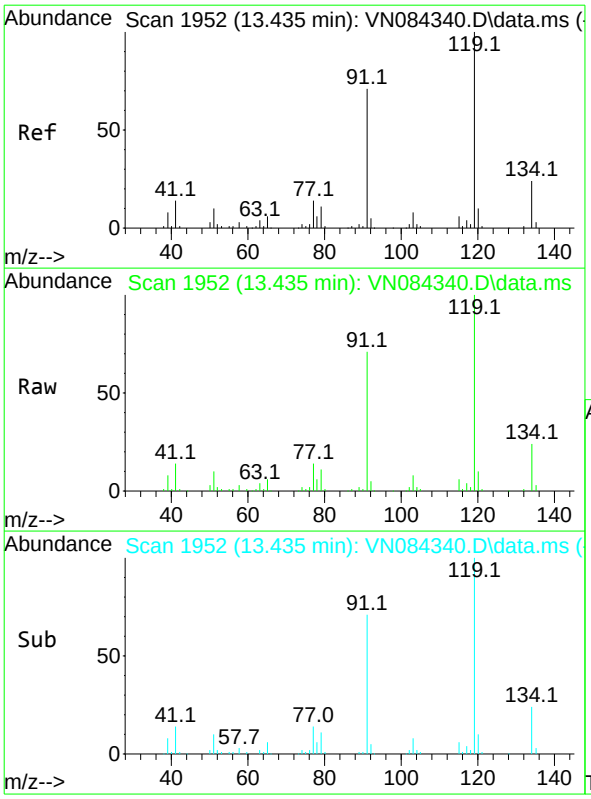


#78
4-Chlorotoluene
Concen: 19.735 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 159107

Ion	Ratio	Lower	Upper
91	100		
126	31.2	0.0	62.4

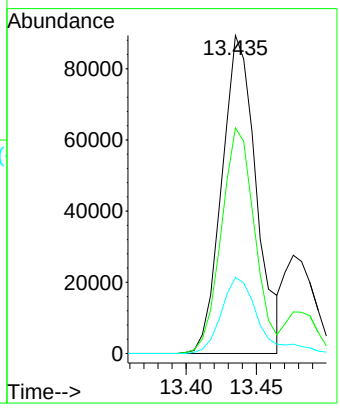




#79
tert-butylbenzene
Concen: 19.692 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:119 Resp: 151487

Ion	Ratio	Lower	Upper
119	100		
91	69.0	0.0	138.0
134	24.4	0.0	48.8



Instrument :
MSVOA_N
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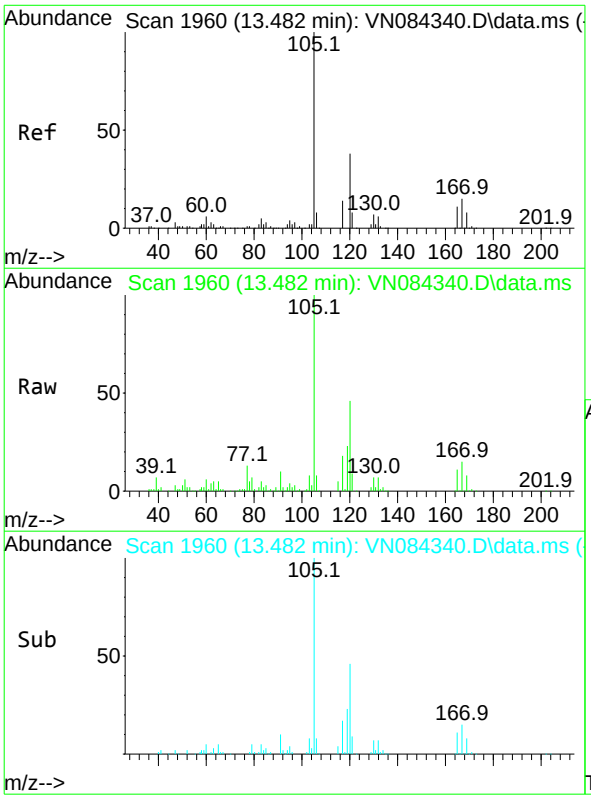
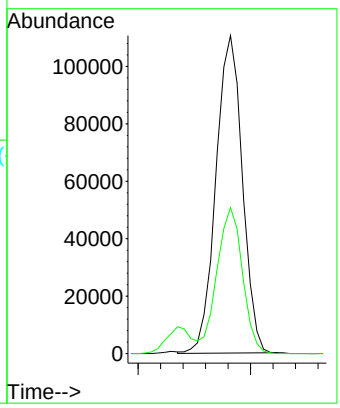
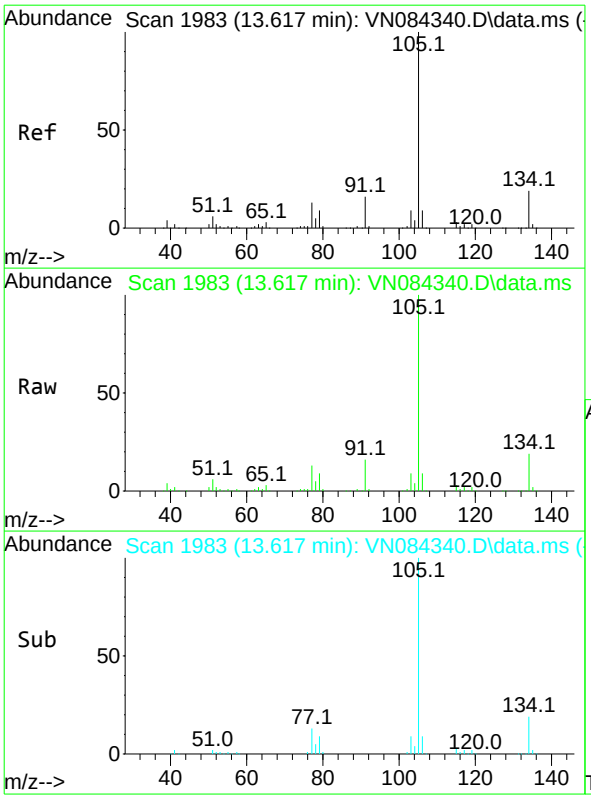


#80
1,2,4-Trimethylbenzene
Concen: 19.743 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 180628

Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	88.8

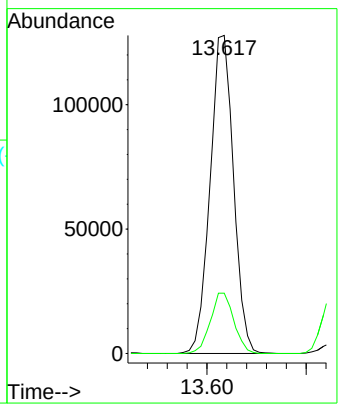




#81
sec-Butylbenzene
Concen: 19.829 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 210010

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
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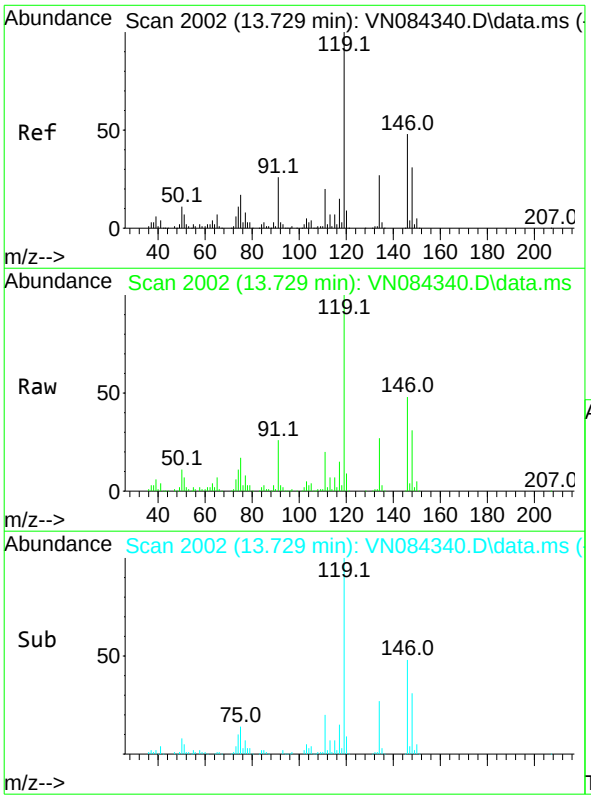
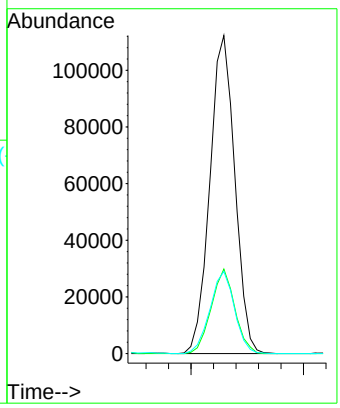
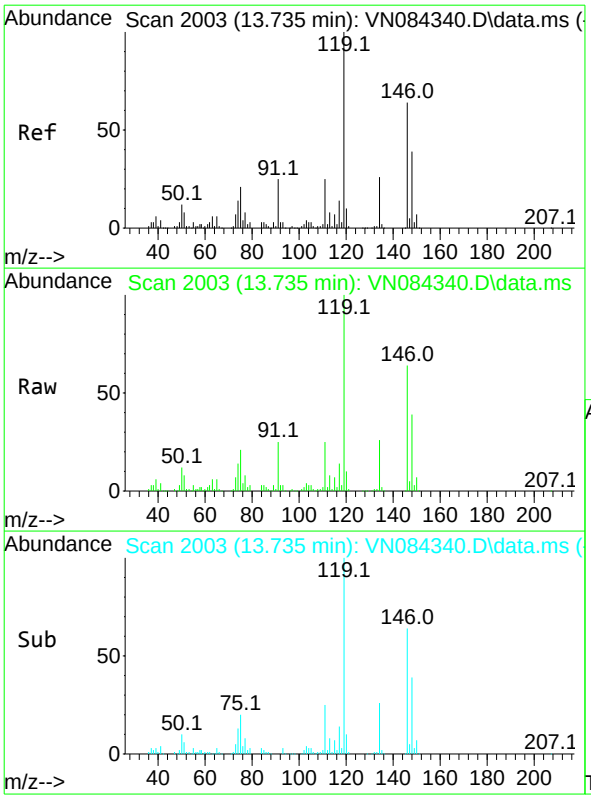


#82
p-Isopropyltoluene
Concen: 19.415 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:119 Resp: 173074

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	50.2
91	25.3	0.0	50.6

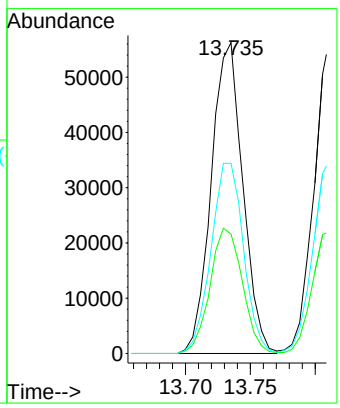




#83
1,3-Dichlorobenzene
Concen: 19.711 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:146 Resp: 95054

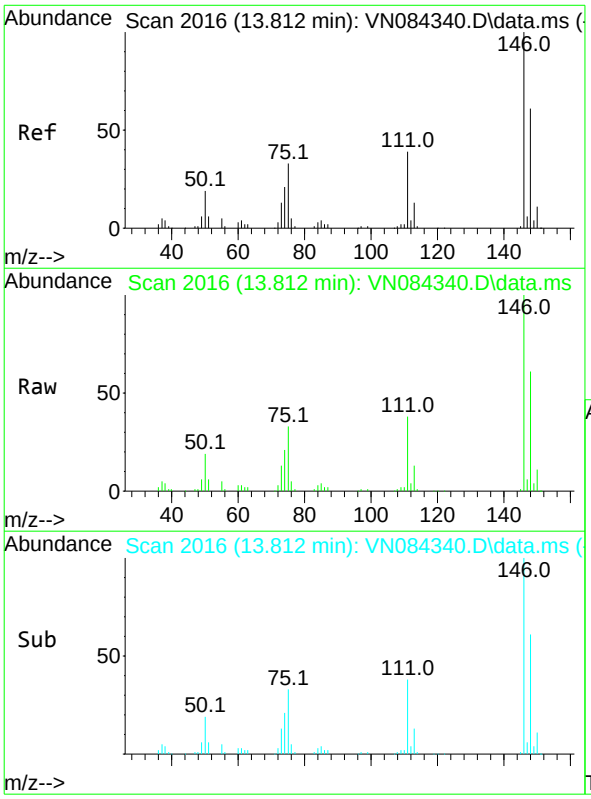
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	63.1	31.6	94.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

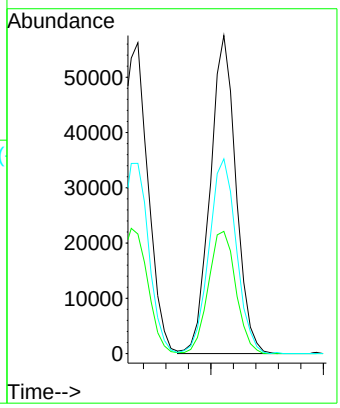
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

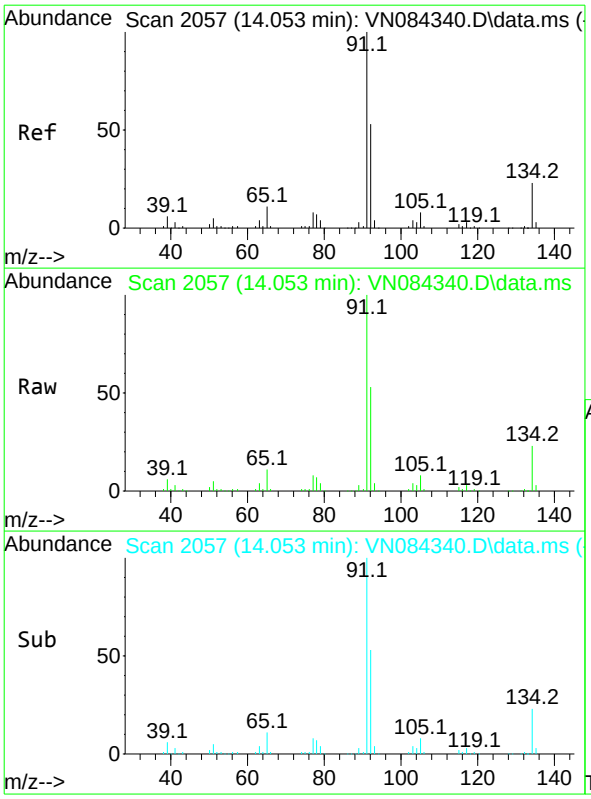


#84
1,4-Dichlorobenzene
Concen: 19.121 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:146 Resp: 91564

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.9	32.5	97.4

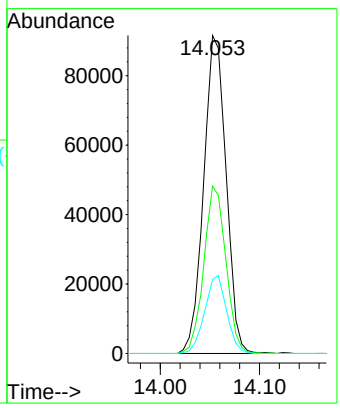




#85
n-Butylbenzene
Concen: 18.676 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 144192

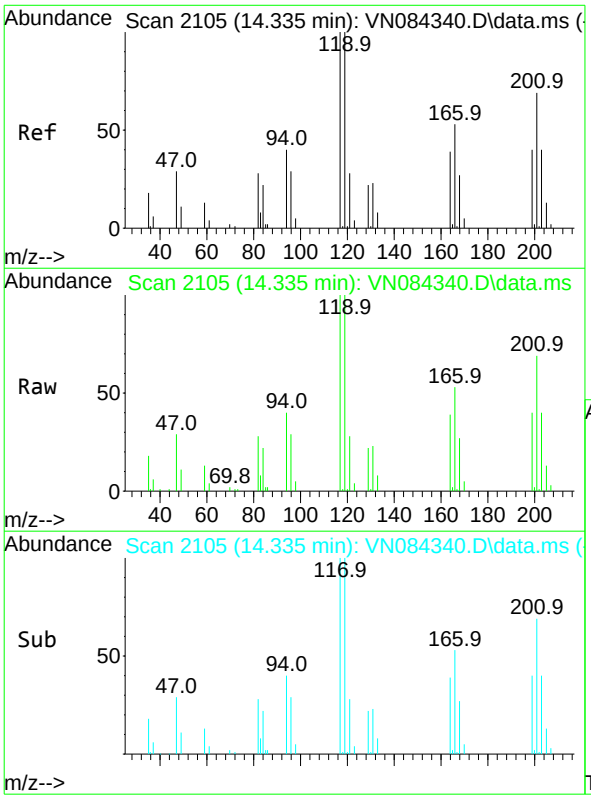
Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	103.4
134	24.0	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

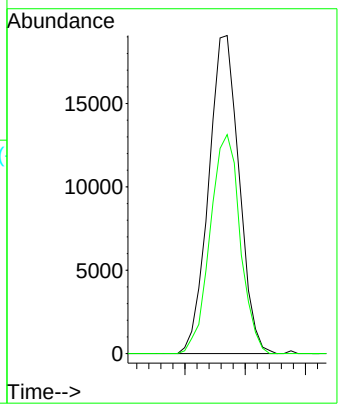
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

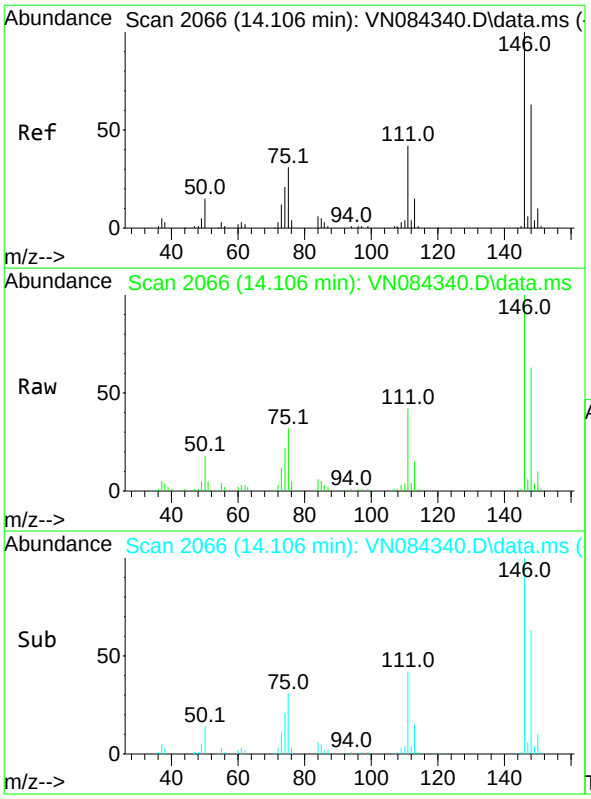


#86
Hexachloroethane
Concen: 19.524 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:117 Resp: 33531

Ion	Ratio	Lower	Upper
117	100		
201	67.7	33.9	101.6

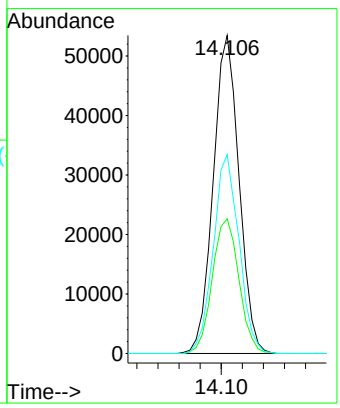




#87
1,2-Dichlorobenzene
Concen: 19.503 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:146 Resp: 90933

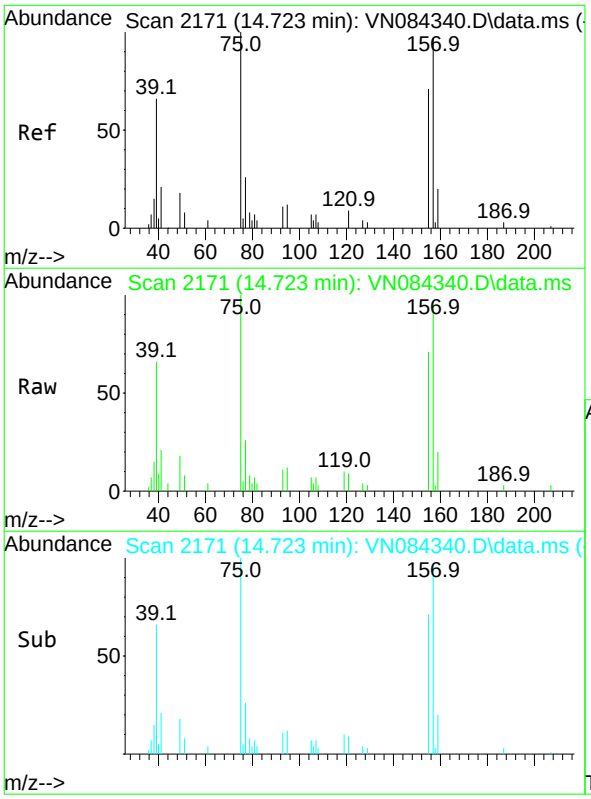
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	62.3	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

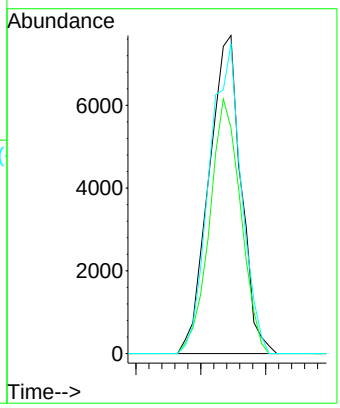
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

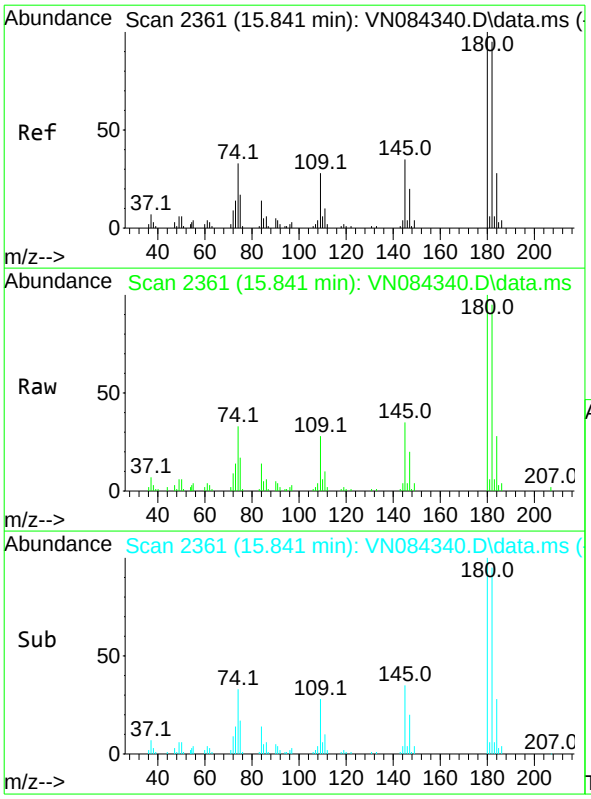


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.543 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 13240

Ion	Ratio	Lower	Upper
75	100		
155	77.3	61.8	92.8
157	96.7	77.4	116.0

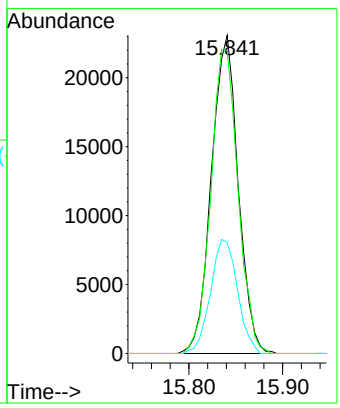




#89
1,2,4-Trichlorobenzene
Concen: 18.915 ug/l
RT: 15.841 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:180 Resp: 45853

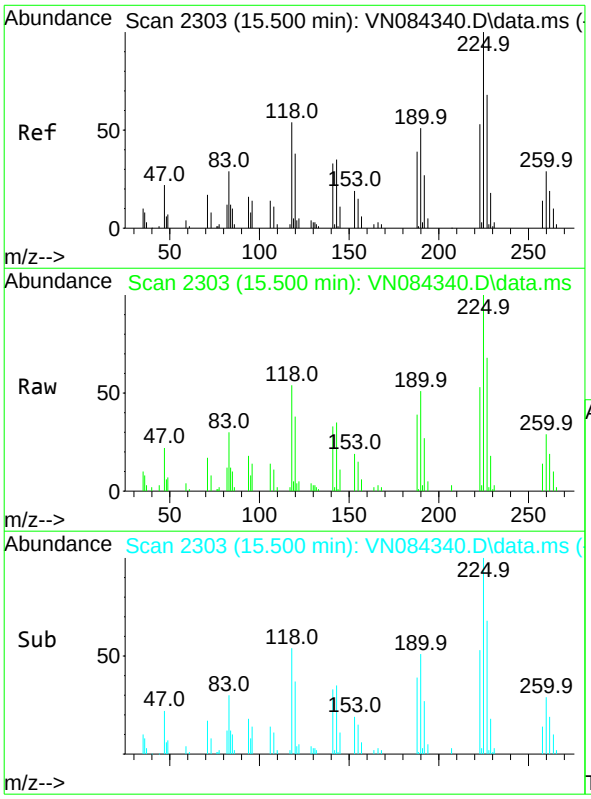
Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
145	36.1	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

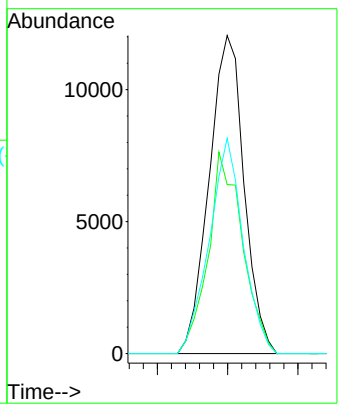
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

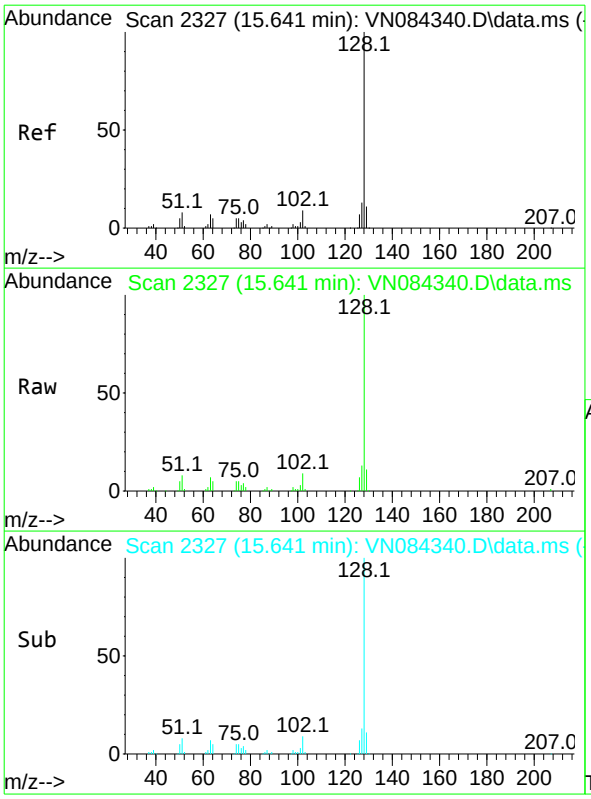


#90
Hexachlorobutadiene
Concen: 18.600 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:225 Resp: 20860

Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	124.0
227	65.4	0.0	130.8

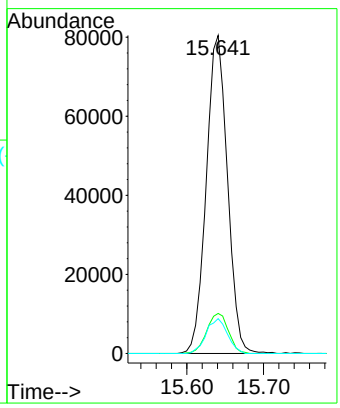




#91
Naphthalene
Concen: 18.804 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:128 Resp: 154471

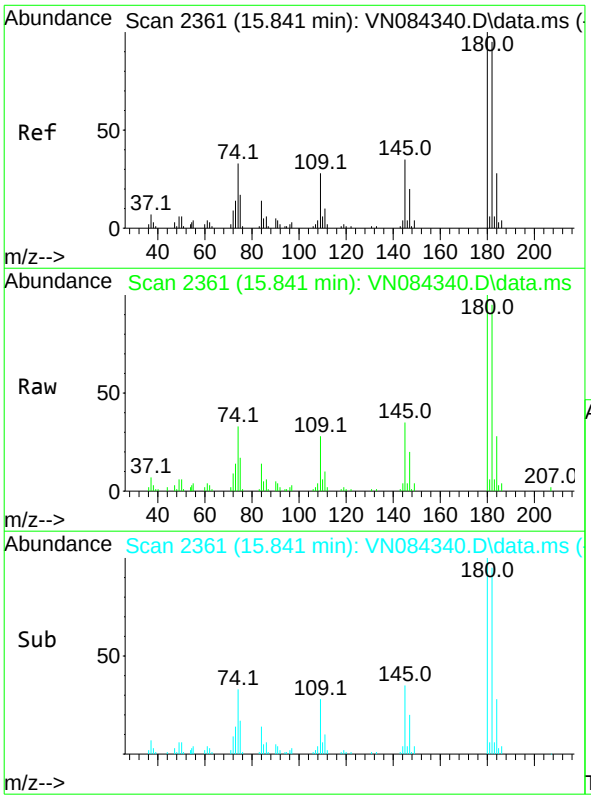
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

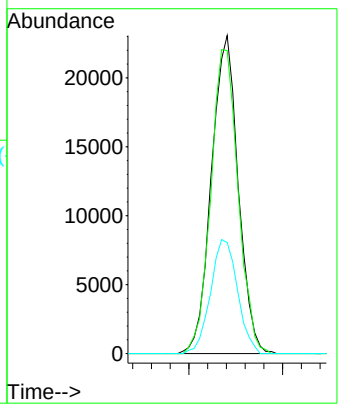
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 18.915 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:180 Resp: 45853

Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	194.4
145	36.1	0.0	72.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084341.D
Acq On : 08 Oct 2024 11:19
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:09:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	33135	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	182092	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	168912	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	80437	30.153	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.500%				
60) 4-Bromofluorobenzene	12.847	95	78531	28.170	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.900%				
63) Toluene-d8	10.565	98	237159	30.307	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	10592	5.236	ug/l		94
3) Chloromethane	2.359	50	11862	5.153	ug/l		93
4) Vinyl Chloride	2.512	62	11670	5.169	ug/l		90
5) Bromomethane	2.953	94	9027	6.035	ug/l		96
6) Chloroethane	3.118	64	8876	5.997	ug/l		92
7) Trichlorofluoromethane	3.500	101	19359	5.264	ug/l		91
8) Diethyl Ether	3.959	74	6806m	5.034	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.377	101	10938	5.290	ug/l		70
10) 1,1-Dichloroethene	4.342	96	10884	5.275	ug/l		97
11) Methyl Iodide	4.595	142	13135	4.845	ug/l		98
12) Methyl Acetate	5.030	43	12264	4.748	ug/l		97
13) Acrolein	4.183	56	12398	25.840	ug/l		93
14) Acrylonitrile	5.730	53	28276m	24.367	ug/l		
15) Acetone	4.436	58	7318	22.077	ug/l		94
16) Carbon Disulfide	4.706	76	33723	5.489	ug/l		98
17) Allyl chloride	5.030	41	16359	4.891	ug/l		97
18) Methylene Chloride	5.277	84	12168m	5.235	ug/l		
19) trans-1,2-Dichloroethene	5.783	96	11347	5.197	ug/l		86
20) Diisopropyl ether	6.677	45	34552	4.805	ug/l	#	93
21) 1,1-Dichloroethane	6.571	63	21583	5.231	ug/l		93
22) cis-1,2-Dichloroethene	7.483	96	12611	4.963	ug/l		96
23) tert-Butyl Alcohol	5.524	59	11110	24.960	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	33238	4.821	ug/l	#	91
25) Chloroform	7.971	83	21052	5.038	ug/l		92
26) Cyclohexane	8.259	56	16244	4.707	ug/l	#	96
29) 1,1-Dichloropropene	8.371	75	14635	4.896	ug/l		99
30) 2-Butanone	7.488	43	36686	23.051	ug/l	#	98
31) 2,2-Dichloropropane	7.494	77	16984	4.835	ug/l	#	78
32) 1,1,1-Trichloroethane	8.159	97	18852m	4.934	ug/l		
33) Carbon Tetrachloride	8.365	117	16613	5.019	ug/l		91
34) Benzene	8.600	78	47206	5.045	ug/l	#	80
35) Methacrylonitrile	7.771	41	7020m	4.135	ug/l		
36) 1,2-Dichloroethane	8.671	62	15630	5.011	ug/l		100
37) Trichloroethene	9.353	130	10715	4.973	ug/l		96
38) Methylcyclohexane	9.600	83	14911	4.541	ug/l		92
39) 1,2-Dichloropropane	9.618	63	11390	4.992	ug/l		90
40) Dibromomethane	9.706	93	8154	5.113	ug/l		98
41) Bromodichloromethane	9.882	83	16959	5.009	ug/l		93
42) Vinyl Acetate	6.606	43	127008	22.946	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084341.D
Acq On : 08 Oct 2024 11:19
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:09:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Ethyl Acetate	7.565	43	15009m	4.782 ug/l		
44) Isopropyl Acetate	8.694	43	23240	4.524 ug/l		100
45) 1,4-Dioxane	9.694	88	4149	89.589 ug/l		97
46) Methyl methacrylate	9.682	41	11210	4.516 ug/l		88
47) n-amyl Acetate	12.494	43	19132	4.187 ug/l		98
48) t-1,3-Dichloropropene	10.841	75	17119	4.893 ug/l		92
49) cis-1,3-Dichloropropene	10.312	75	16720	4.560 ug/l	#	86
50) 1,1,2-Trichloroethane	11.018	97	10856	5.065 ug/l		92
51) Ethyl methacrylate	10.871	69	14547	4.109 ug/l		90
52) 1,3-Dichloropropane	11.165	76	18781	5.011 ug/l		98
53) Dibromochloromethane	11.353	129	12356	4.880 ug/l		99
54) 1,2-Dibromoethane	11.471	107	10689	4.844 ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	33972	21.155 ug/l		97
56) Bromoform	12.576	173	7936	4.725 ug/l	#	92
58) 4-Methyl-2-Pentanone	10.447	43	72827	23.145 ug/l		97
59) 2-Hexanone	11.194	43	51606	22.071 ug/l		97
61) Tetrachloroethene	11.100	164	10061	5.266 ug/l		93
62) Toluene	10.629	91	49743	5.030 ug/l		97
64) Chlorobenzene	11.888	112	31991	5.199 ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.965	131	10606	4.961 ug/l		98
66) Ethyl Benzene	11.965	91	48285	4.494 ug/l		99
67) m/p-Xylenes	12.070	106	36802	9.030 ug/l		99
68) o-Xylene	12.400	106	18036	4.591 ug/l		94
69) Styrene	12.412	104	29815	4.421 ug/l		97
70) Isopropylbenzene	12.694	105	44677	4.455 ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	15289	4.928 ug/l		99
72) 1,2,3-Trichloropropane	12.988	75	12720m	4.794 ug/l		
73) Bromobenzene	12.982	156	11720	4.826 ug/l		97
74) n-propylbenzene	13.035	91	52955	4.431 ug/l		98
75) 2-Chlorotoluene	13.123	91	34704	4.673 ug/l		98
76) 1,3,5-Trimethylbenzene	13.176	105	37234	4.410 ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	4820	4.245 ug/l		83
78) 4-Chlorotoluene	13.217	91	35132	4.653 ug/l		97
79) tert-butylbenzene	13.435	119	31579	4.384 ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	37927	4.427 ug/l		95
81) sec-Butylbenzene	13.612	105	42859	4.321 ug/l		99
82) p-Isopropyltoluene	13.729	119	36191	4.335 ug/l		100
83) 1,3-Dichlorobenzene	13.735	146	21112	4.675 ug/l		95
84) 1,4-Dichlorobenzene	13.812	146	22118	4.932 ug/l		97
85) n-Butylbenzene	14.053	91	29988	4.148 ug/l		98
86) Hexachloroethane	14.335	117	7779	4.837 ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	21047	4.820 ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	2761	4.352 ug/l		94
89) 1,2,4-Trichlorobenzene	15.841	180	10483	4.618 ug/l		99
90) Hexachlorobutadiene	15.500	225	6201	5.904 ug/l		98
91) Naphthalene	15.641	128	30757	3.998 ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	10483	4.618 ug/l		99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084341.D
Acq On : 08 Oct 2024 11:19
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:09:40 2024
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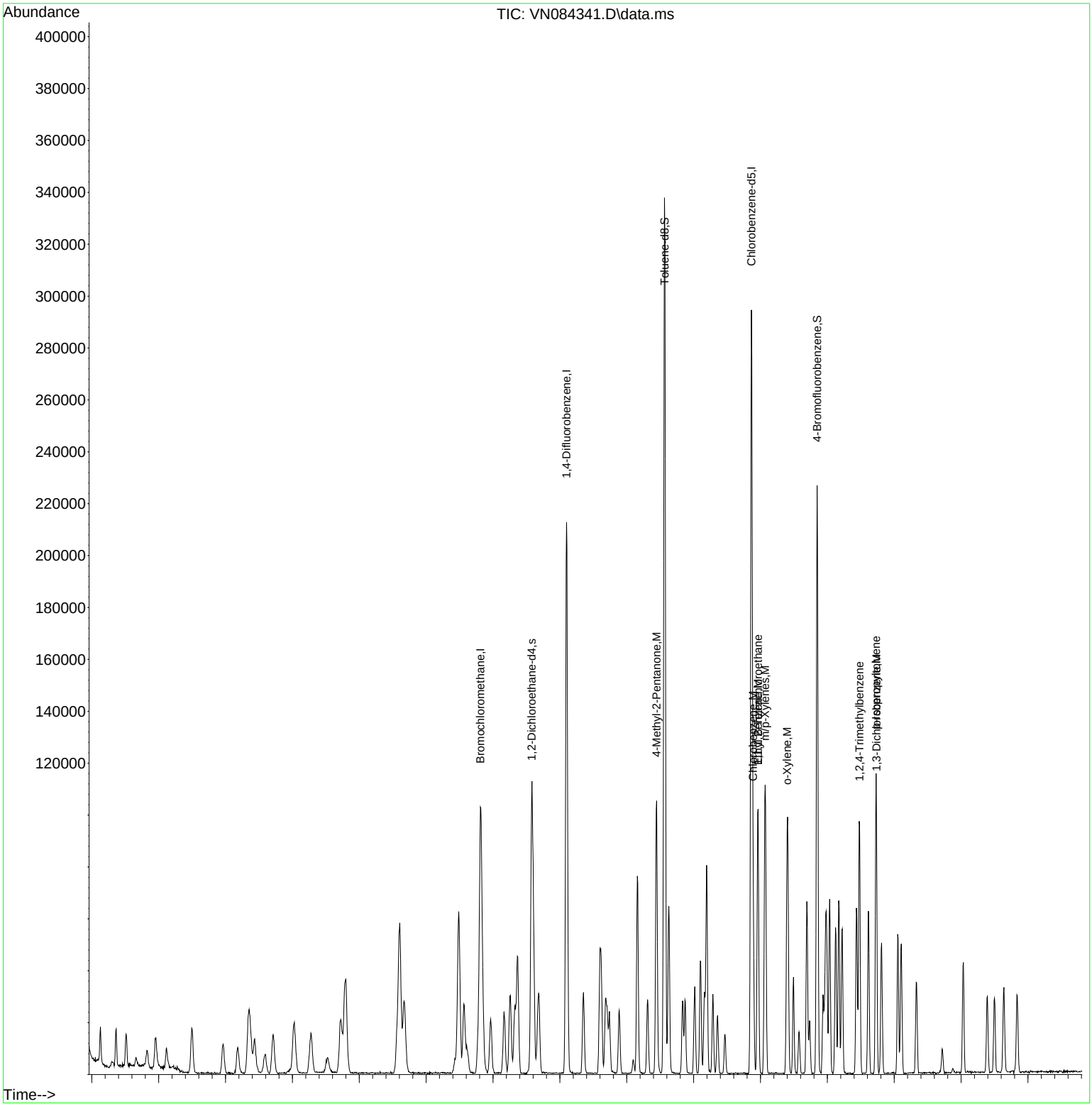
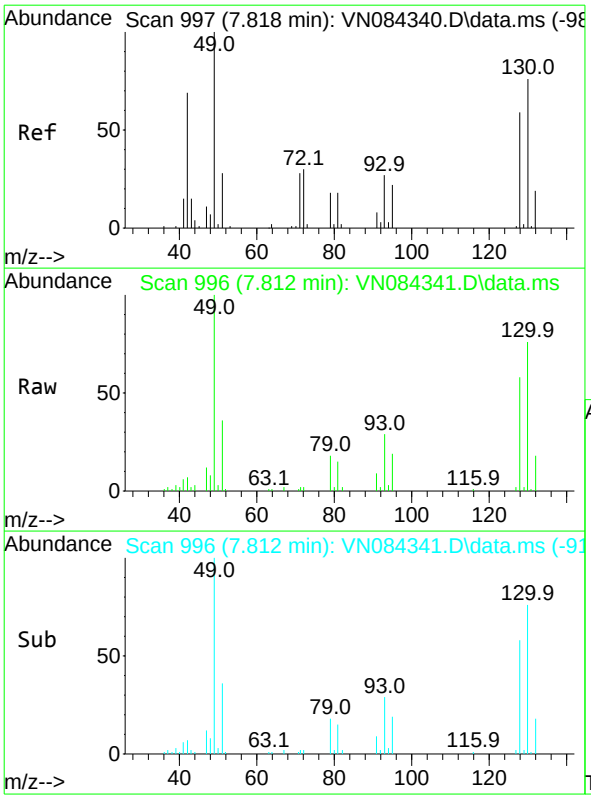
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

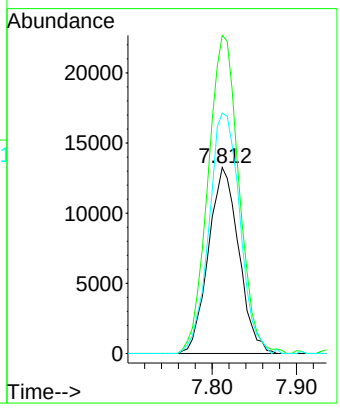




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:128 Resp: 33135

Ion	Ratio	Lower	Upper
128	100		
49	173.7	0.0	430.0
130	131.7	0.0	329.8



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ClientSampleId :
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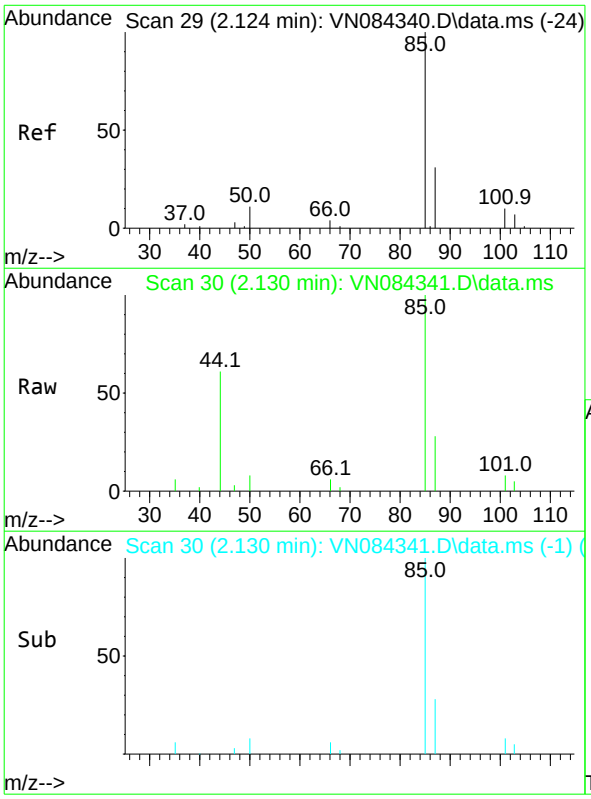
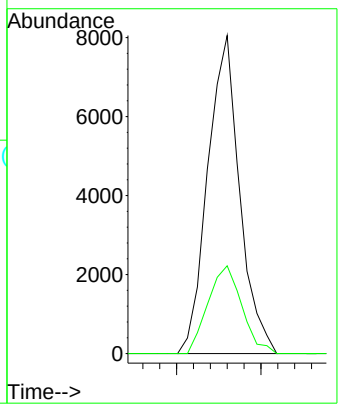
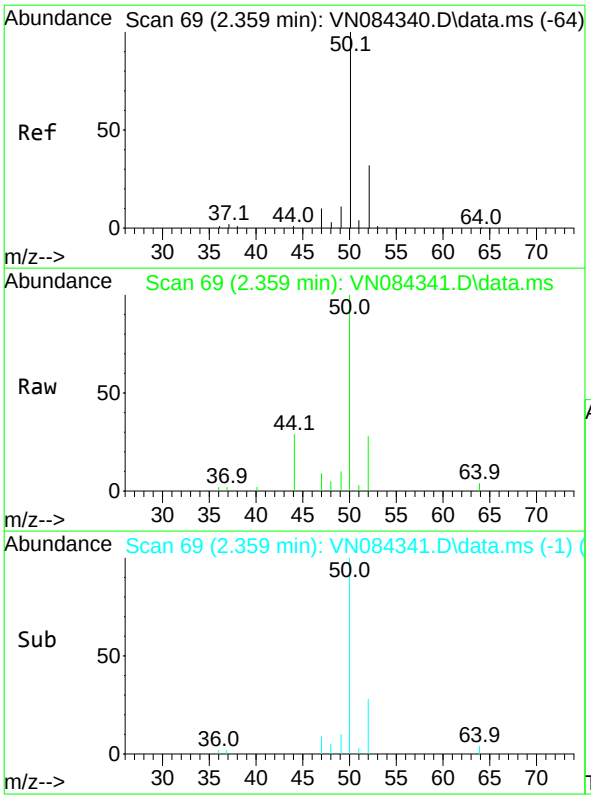


#2
Dichlorodifluoromethane
Concen: 5.236 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 85 Resp: 10592

Ion	Ratio	Lower	Upper
85	100		
87	27.6	15.4	46.4

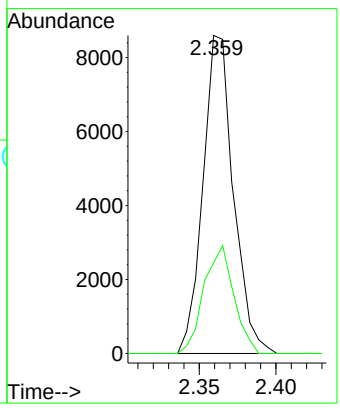




#3
Chloromethane
Concen: 5.153 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 50 Resp: 11862

Ion	Ratio	Lower	Upper
50	100		
52	28.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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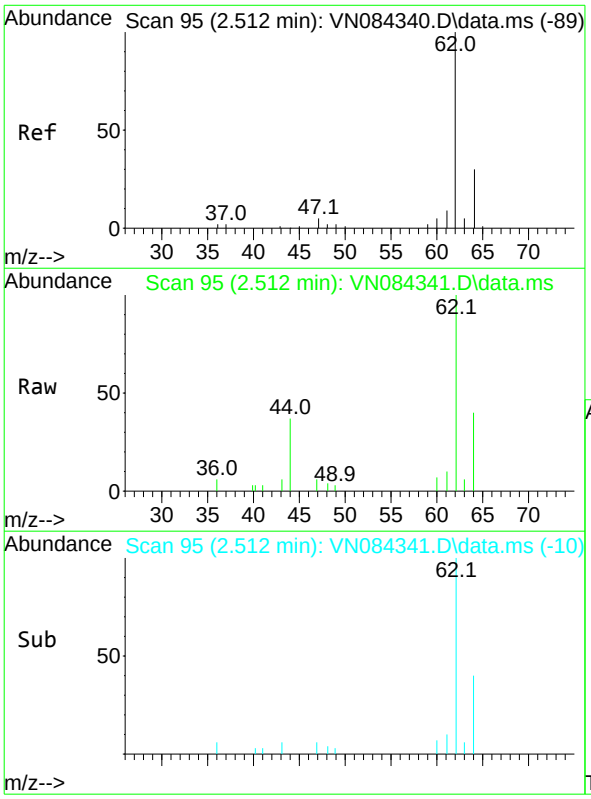
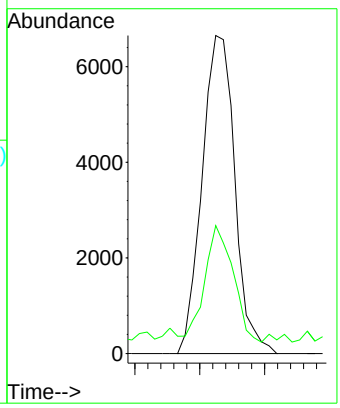
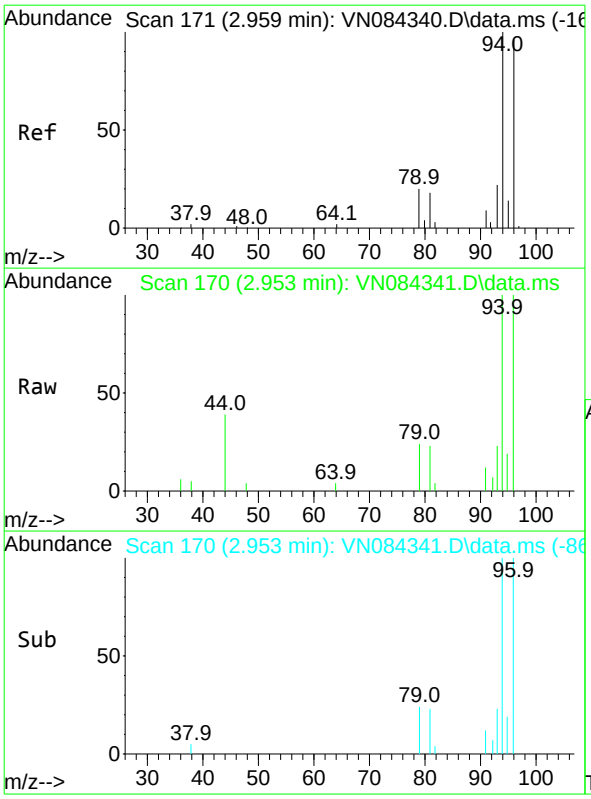


#4
Vinyl Chloride
Concen: 5.169 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 62 Resp: 11670

Ion	Ratio	Lower	Upper
62	100		
64	35.9	24.3	36.5

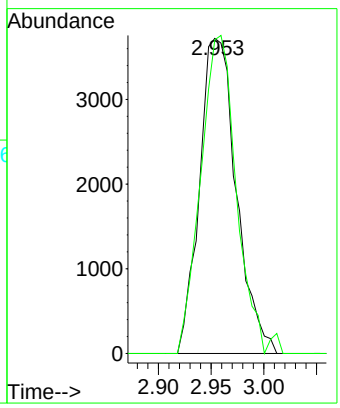




#5
Bromomethane
Concen: 6.035 ug/l
RT: 2.953 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 94 Resp: 9027

Ion	Ratio	Lower	Upper
94	100		
96	99.5	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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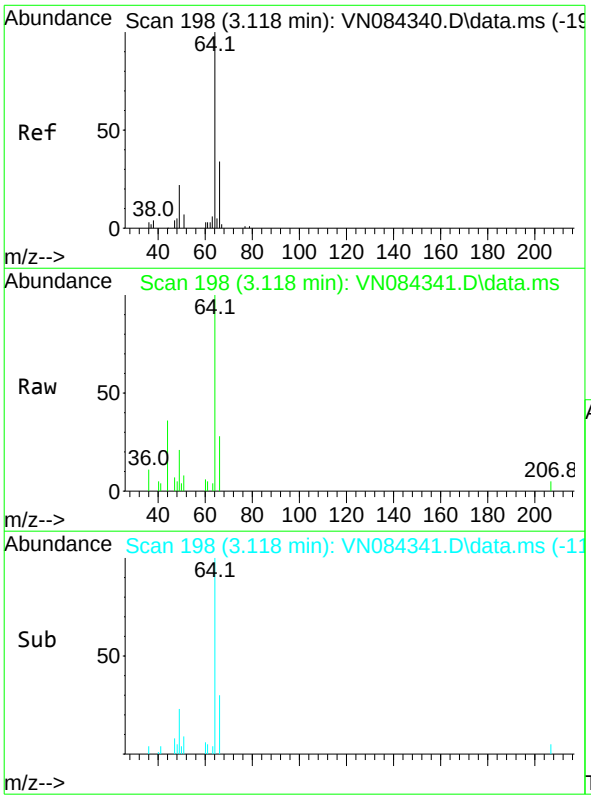
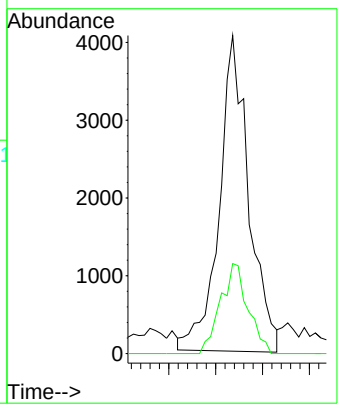
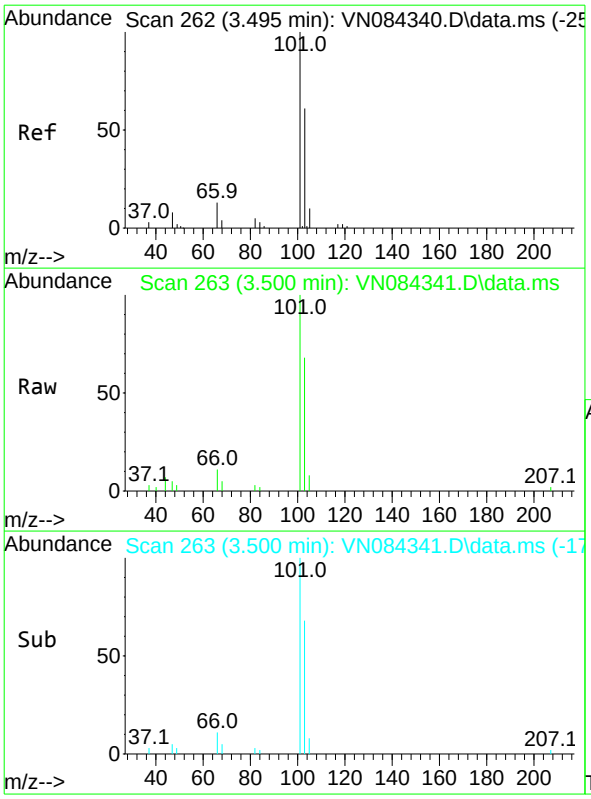


#6
Chloroethane
Concen: 5.997 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 64 Resp: 8876

Ion	Ratio	Lower	Upper
64	100		
66	29.7	27.7	41.5

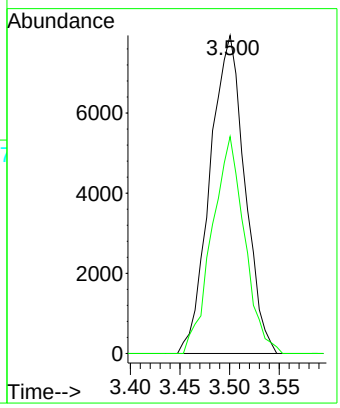




#7
Trichlorofluoromethane
Concen: 5.264 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:101 Resp: 19359

Ion	Ratio	Lower	Upper
101	100		
103	68.2	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 10/09/2024
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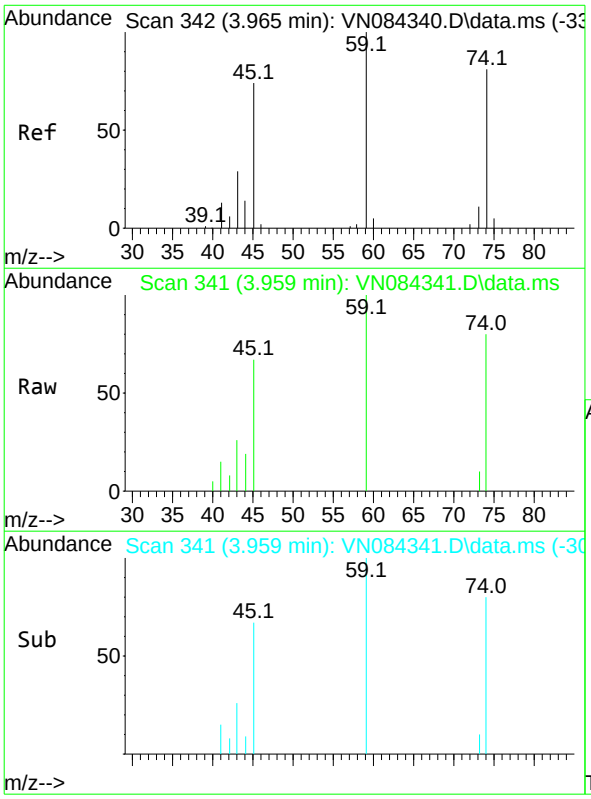
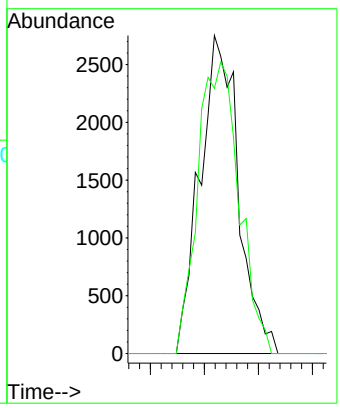
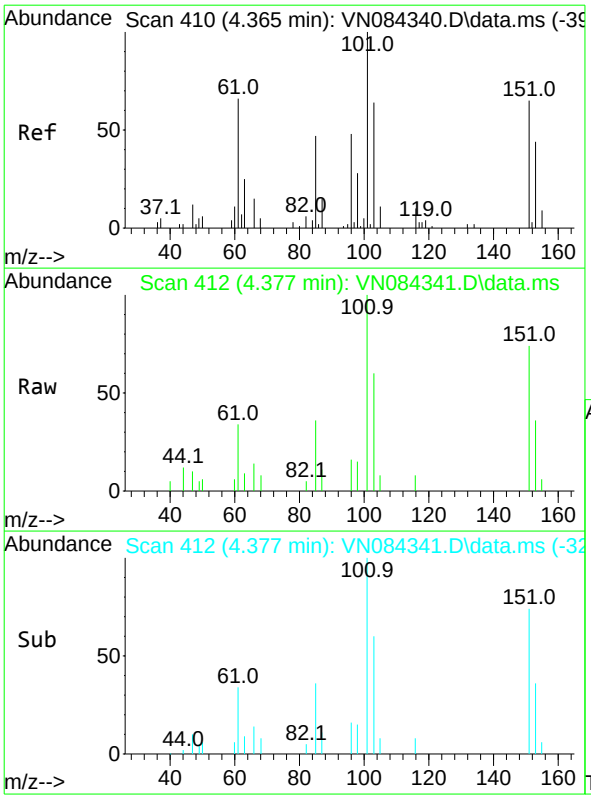


#8
Diethyl Ether
Concen: 5.034 ug/l m
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 74 Resp: 6806

Ion	Ratio	Lower	Upper
74	100		
45	46.4	19.2	173.2

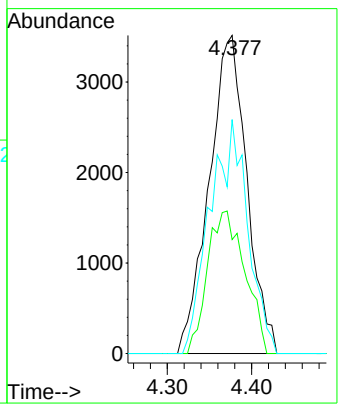




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.290 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:101 Resp: 10938

Ion	Ratio	Lower	Upper
101	100		
85	44.3	0.0	93.6
151	35.8	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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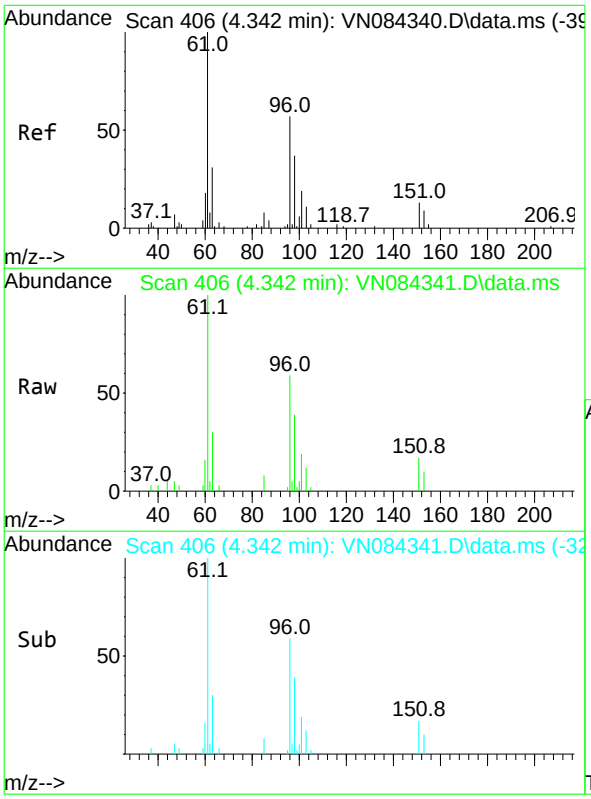
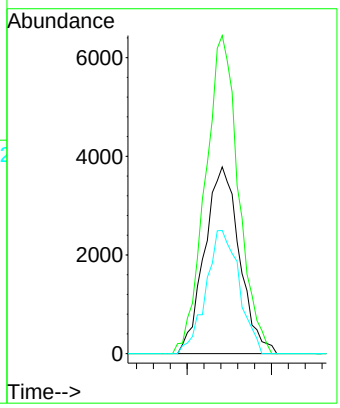
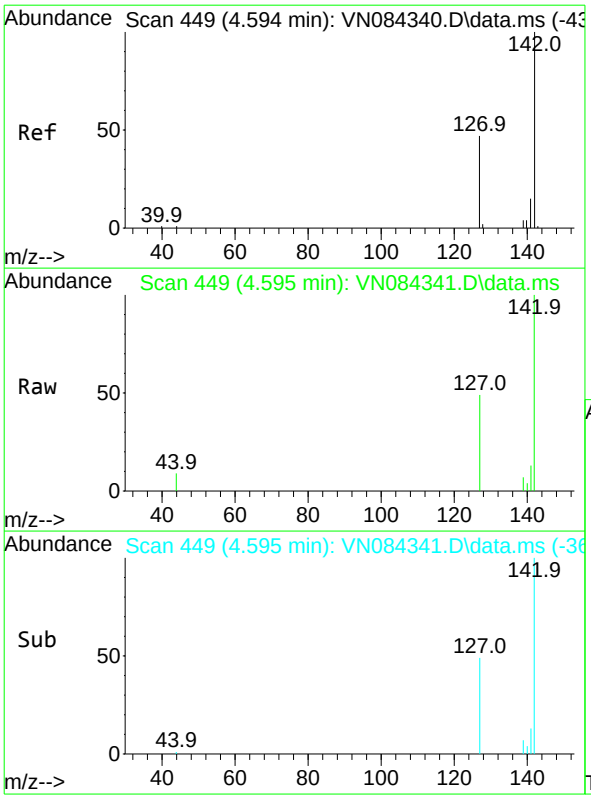


#10
1,1-Dichloroethene
Concen: 5.275 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 96 Resp: 10884

Ion	Ratio	Lower	Upper
96	100		
61	170.4	140.8	211.2
98	66.0	52.2	78.2

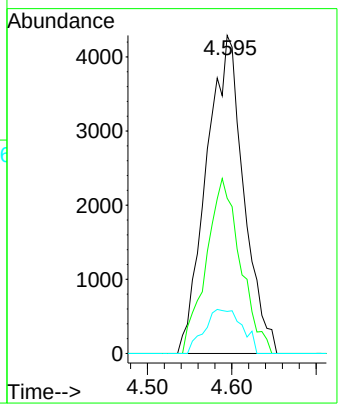




#11
Methyl Iodide
Concen: 4.845 ug/l
RT: 4.595 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:142 Resp: 13135

Ion	Ratio	Lower	Upper
142	100		
127	48.8	23.8	71.4
141	13.2	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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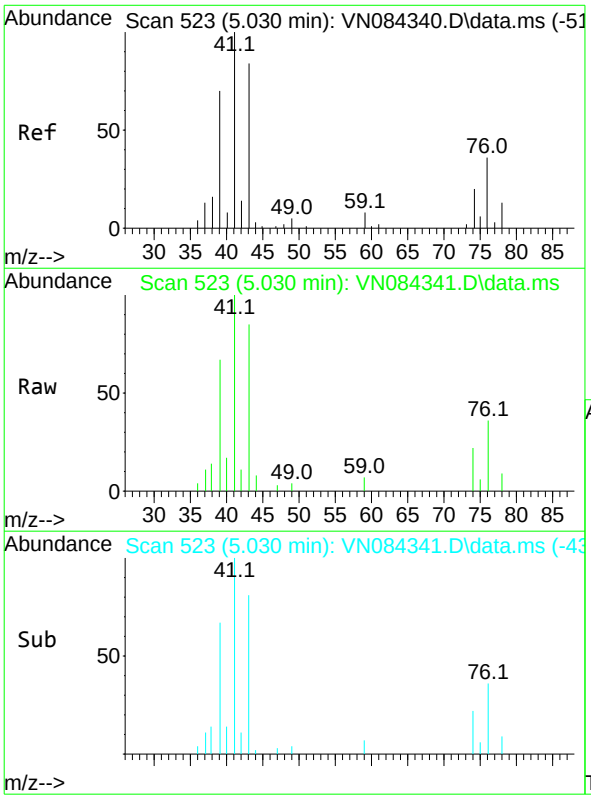
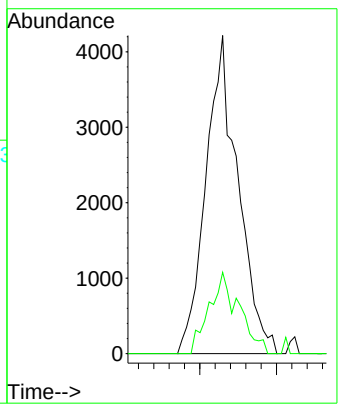
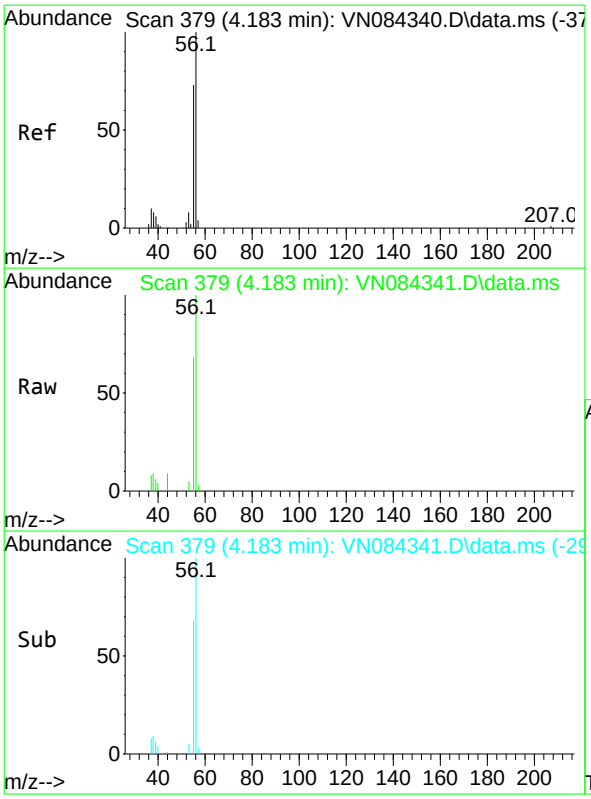


#12
Methyl Acetate
Concen: 4.748 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 12264

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.4	29.2

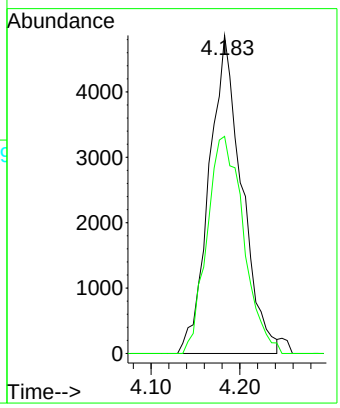




#13
Acrolein
Concen: 25.840 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 56 Resp: 12398

Ion	Ratio	Lower	Upper
56	100		
55	76.4	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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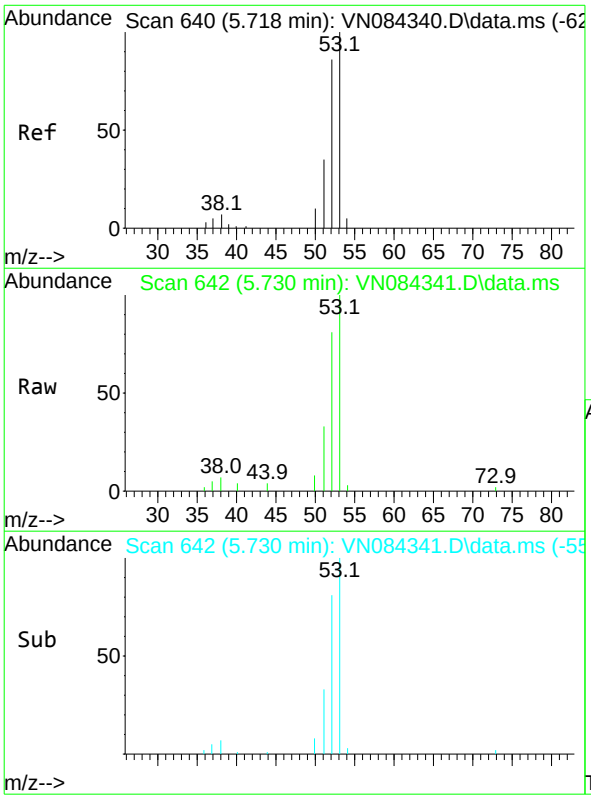
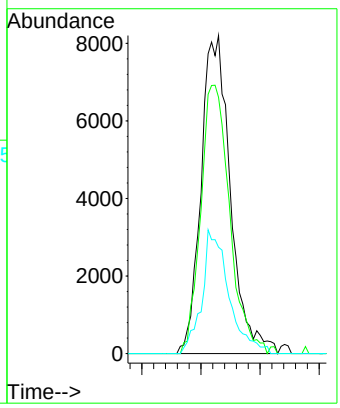
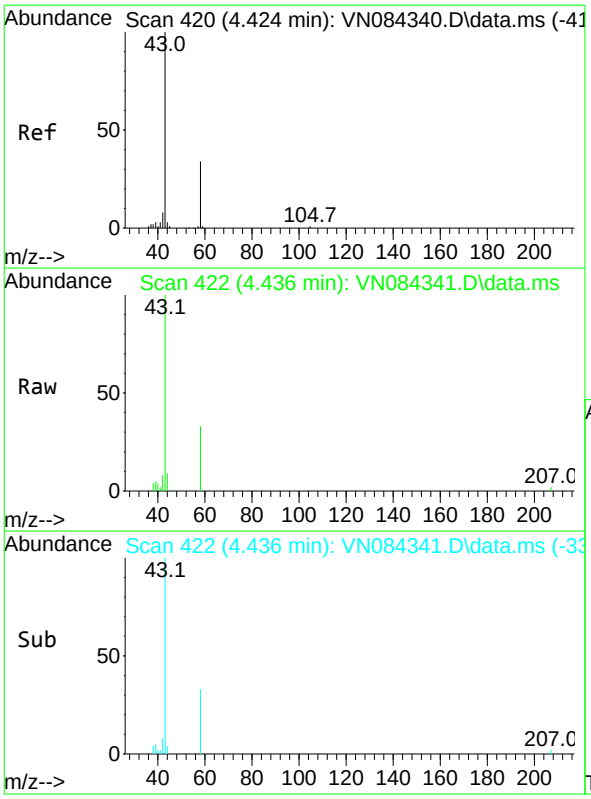


#14
Acrylonitrile
Concen: 24.367 ug/l m
RT: 5.730 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 53 Resp: 28276

Ion	Ratio	Lower	Upper
53	100		
52	83.2	40.4	121.2
51	35.2	17.8	53.4

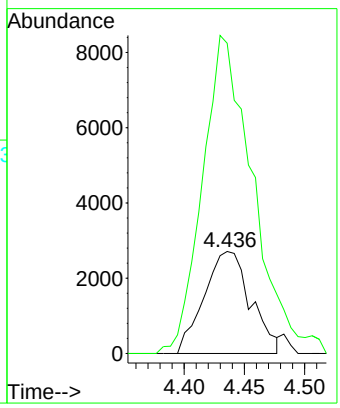




#15
Acetone
Concen: 22.077 ug/l
RT: 4.436 min Scan# 42
Delta R.T. 0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 58 Resp: 7318

Ion	Ratio	Lower	Upper
58	100		
43	285.9	237.5	356.3



Instrument :
MSVOA_N
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VSTDICC005

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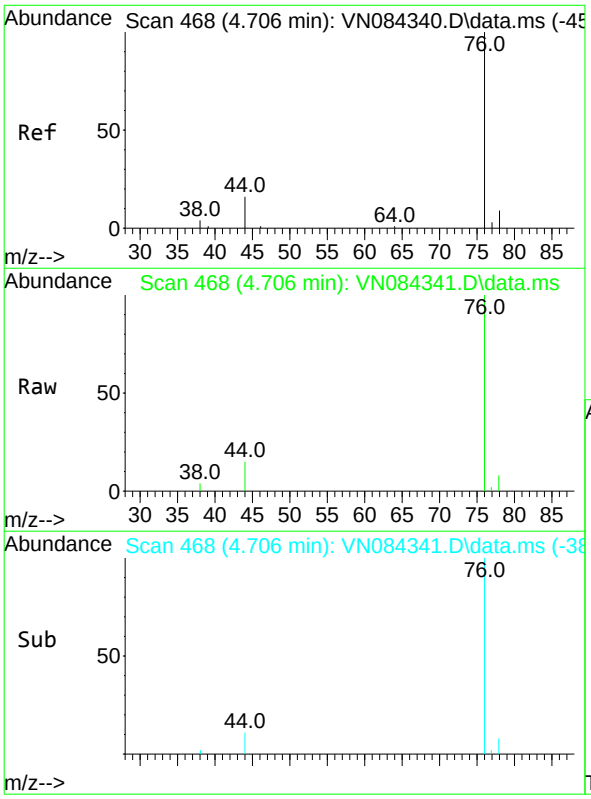
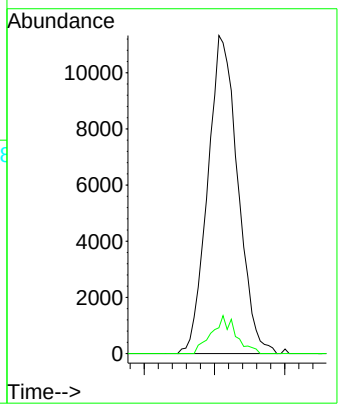
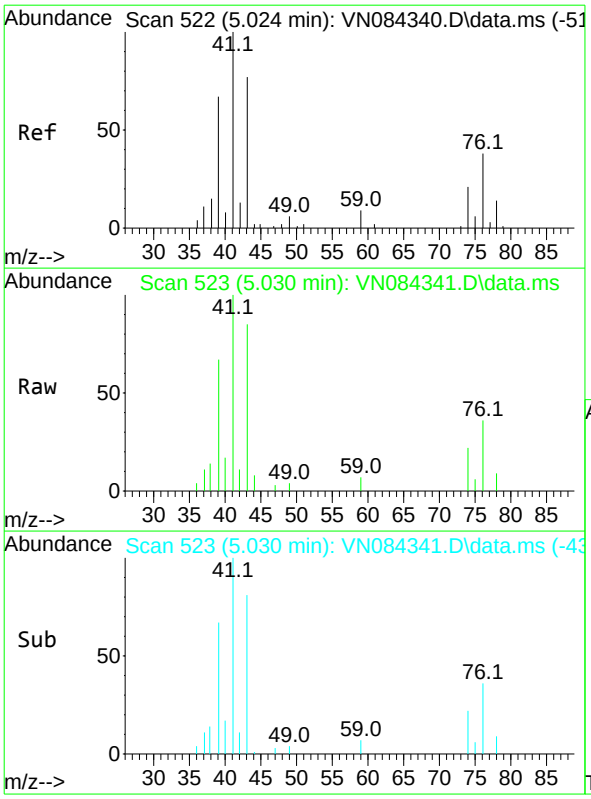


#16
Carbon Disulfide
Concen: 5.489 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 76 Resp: 33723

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7

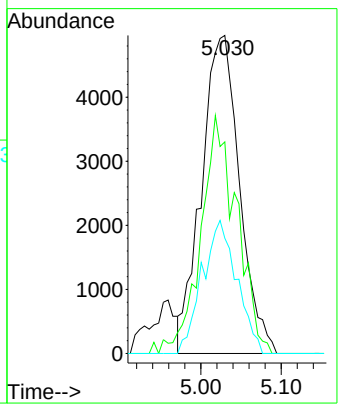




#17
Allyl chloride
Concen: 4.891 ug/l
RT: 5.030 min Scan# 52
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 41 Resp: 16359

Ion	Ratio	Lower	Upper
41	100		
39	66.5	31.4	94.3
76	36.2	17.8	53.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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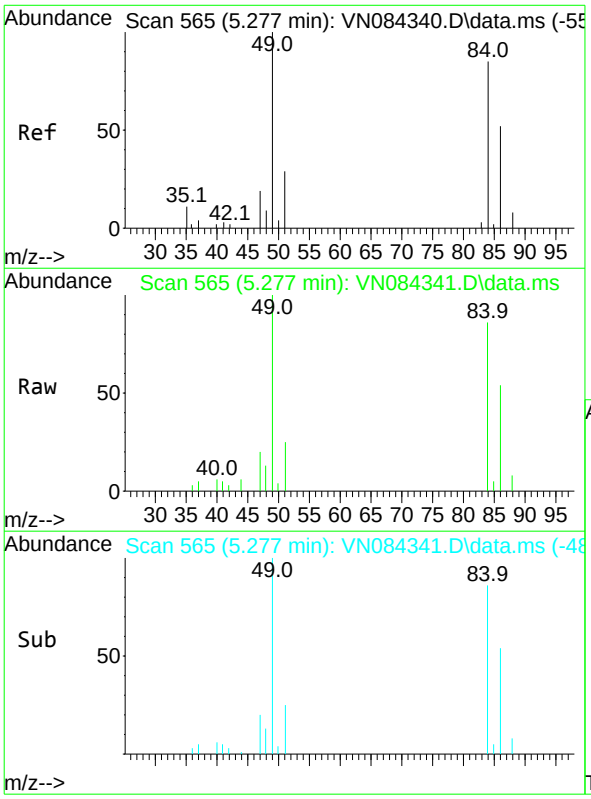
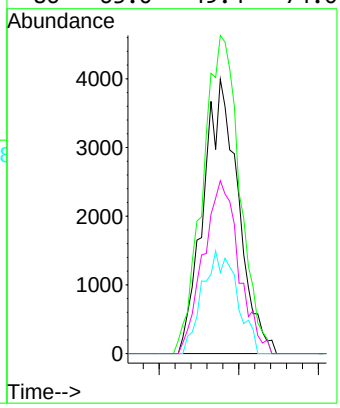
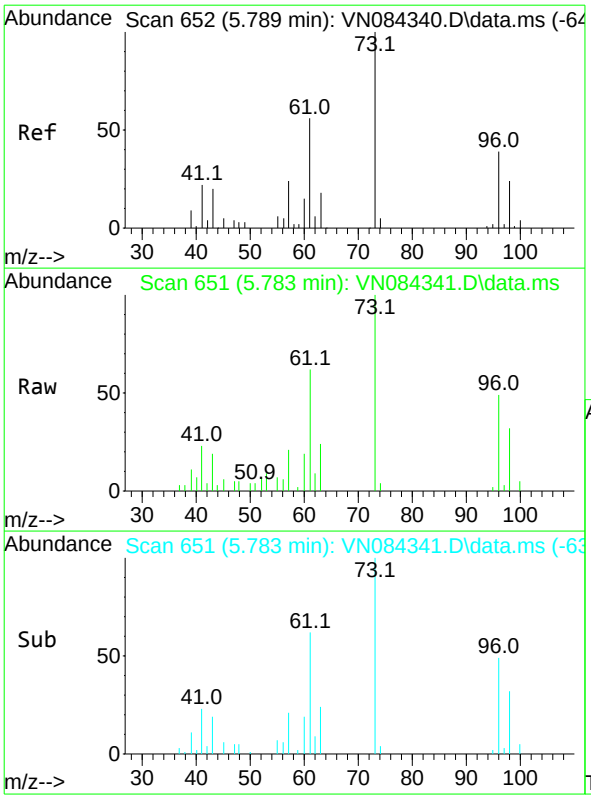


#18
Methylene Chloride
Concen: 5.235 ug/l m
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 84 Resp: 12168

Ion	Ratio	Lower	Upper
84	100		
49	115.9	94.6	142.0
51	29.5	27.3	40.9
86	63.0	49.4	74.0

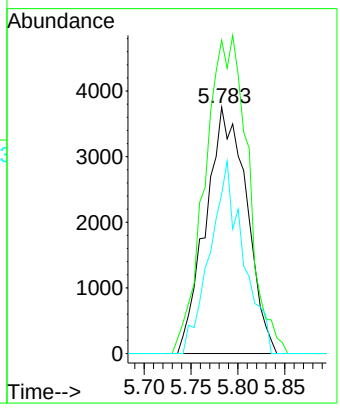




#19
trans-1,2-Dichloroethene
Concen: 5.197 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 96 Resp: 11347

Ion	Ratio	Lower	Upper
96	100		
61	121.3	115.8	173.6
98	64.6	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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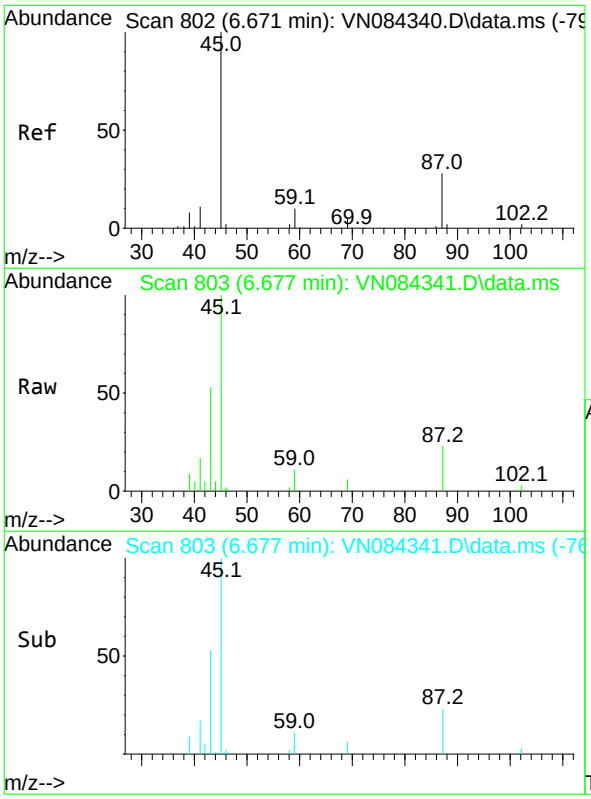
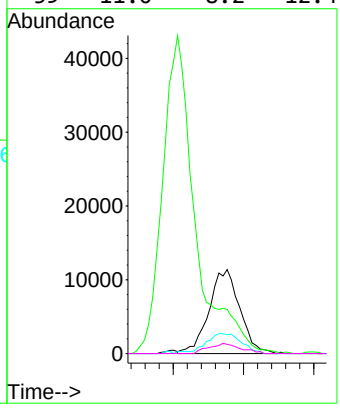
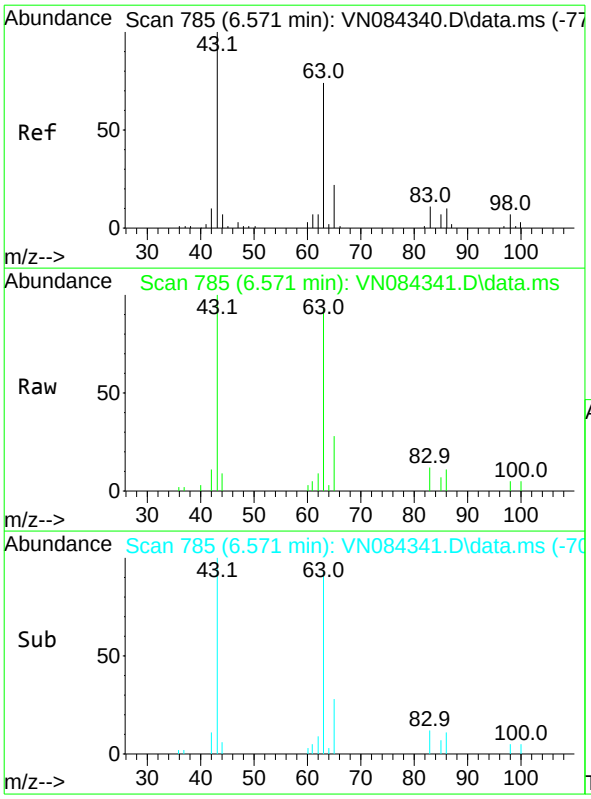


#20
Diisopropyl ether
Concen: 4.805 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 45 Resp: 34552

Ion	Ratio	Lower	Upper
45	100		
43	50.6	43.7	65.5
87	22.5	23.1	34.7#
59	11.0	8.2	12.4

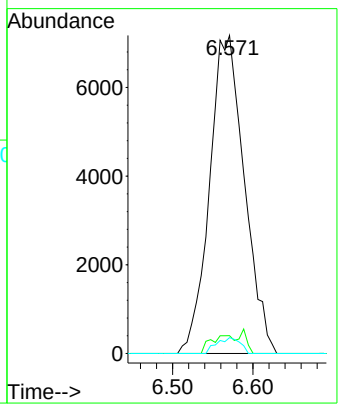




#21
1,1-Dichloroethane
Concen: 5.231 ug/l
RT: 6.571 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 63 Resp: 21583

Ion	Ratio	Lower	Upper
63	100		
98	5.6	4.5	13.4
100	5.0	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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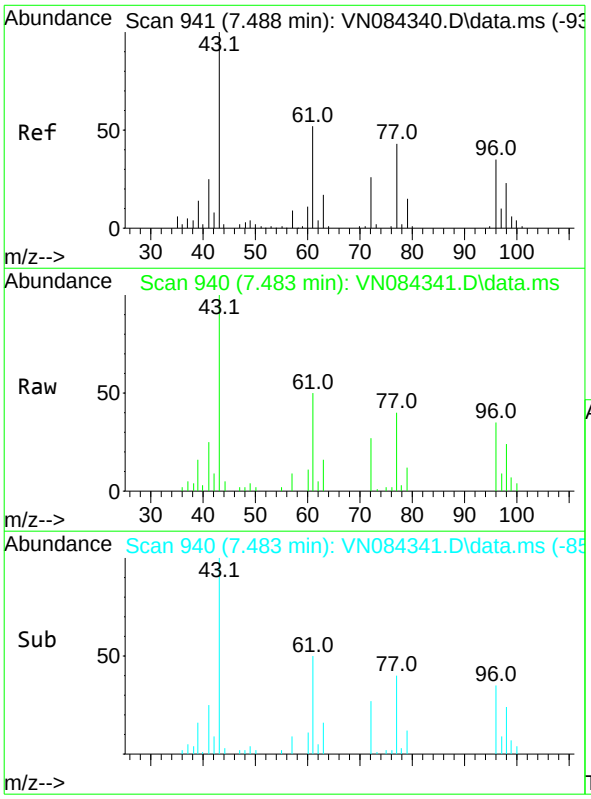
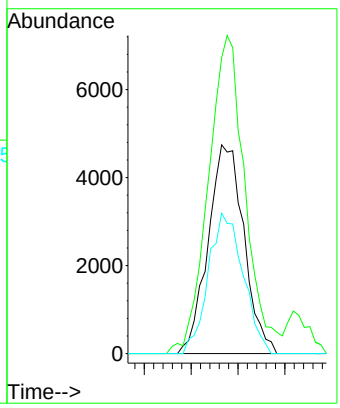
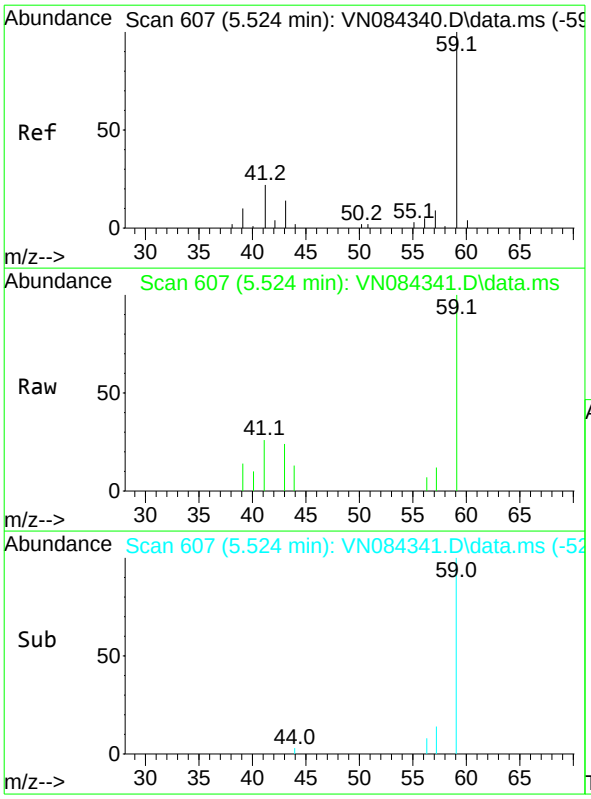


#22
cis-1,2-Dichloroethene
Concen: 4.963 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 96 Resp: 12611

Ion	Ratio	Lower	Upper
96	100		
61	154.6	118.0	177.0
98	65.5	51.8	77.8

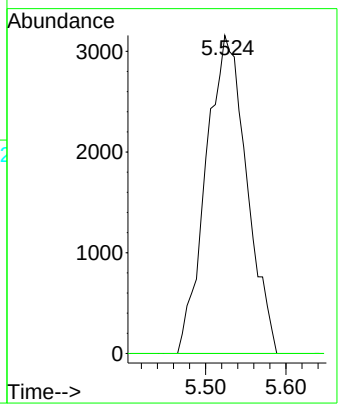




#23
tert-Butyl Alcohol
Concen: 24.960 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 59 Resp: 11110

Ion	Ratio	Lower	Upper
59	100		
52	211.8	0.0	0.0#



Instrument :
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ClientSampleId :
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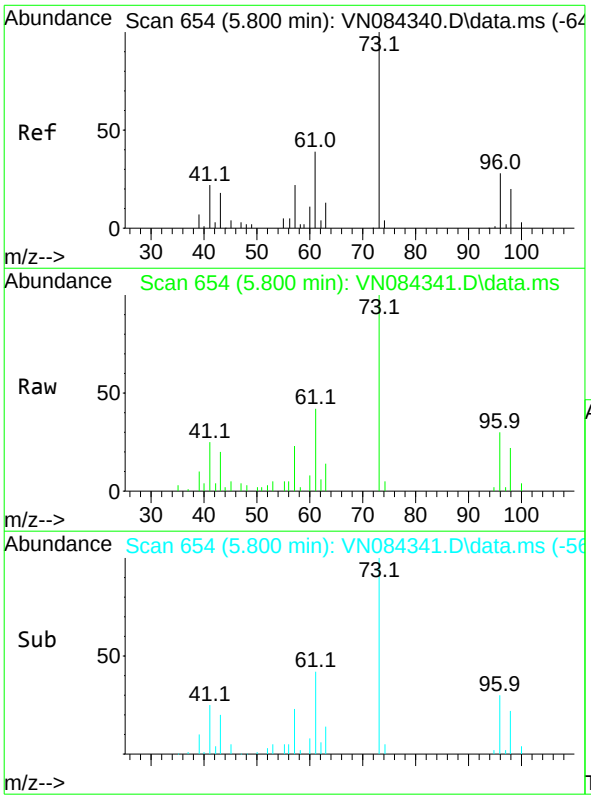
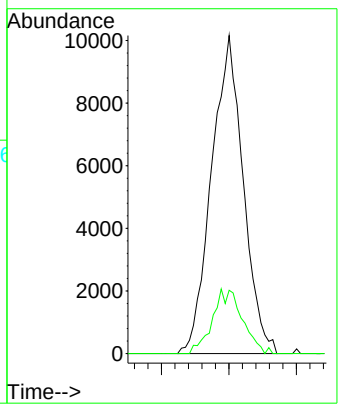
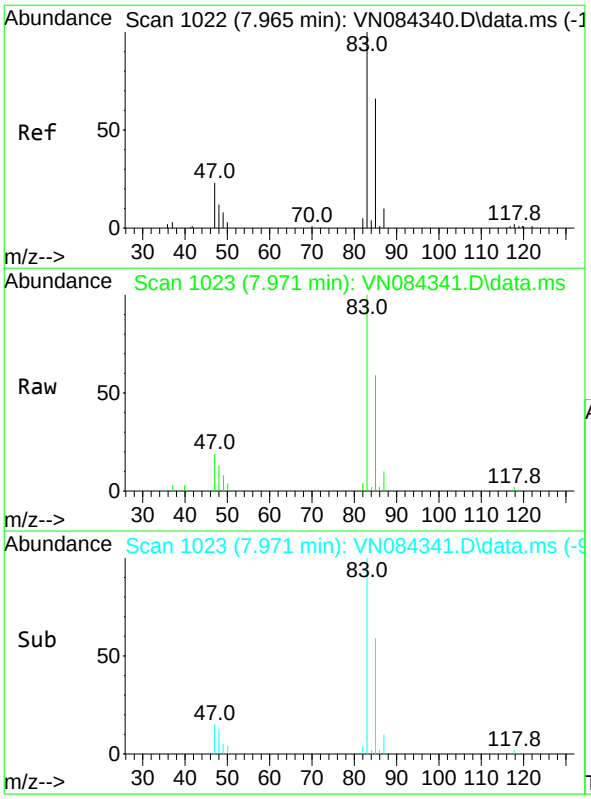


#24
Methyl tert-Butyl Ether
Concen: 4.821 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 73 Resp: 33238

Ion	Ratio	Lower	Upper
73	100		
43	9.8	10.9	16.3#

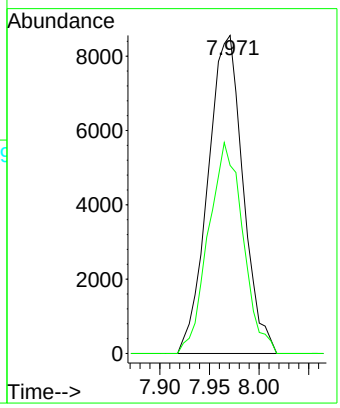




#25
Chloroform
Concen: 5.038 ug/l
RT: 7.971 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 83 Resp: 21052

Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.4	78.6



Instrument :
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ClientSampleId :
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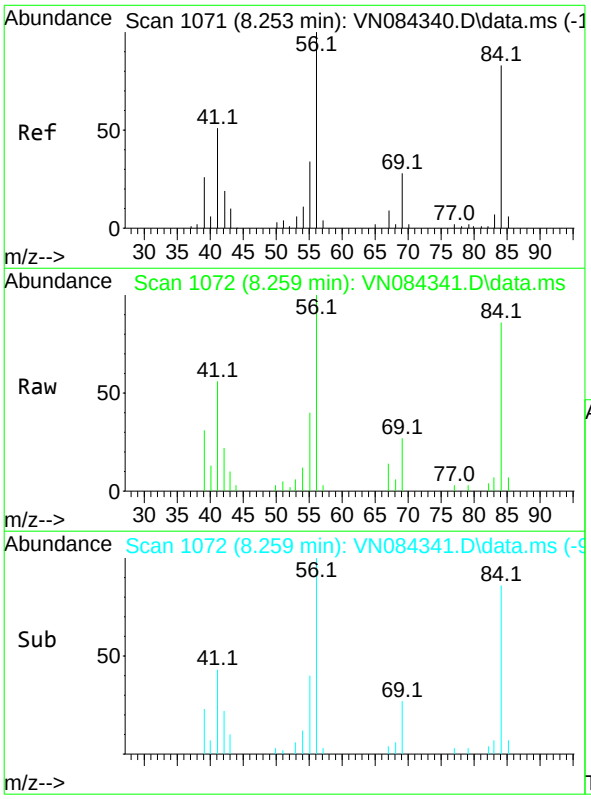
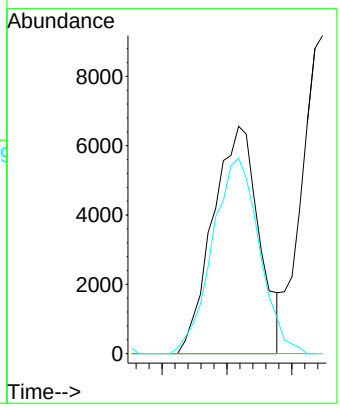
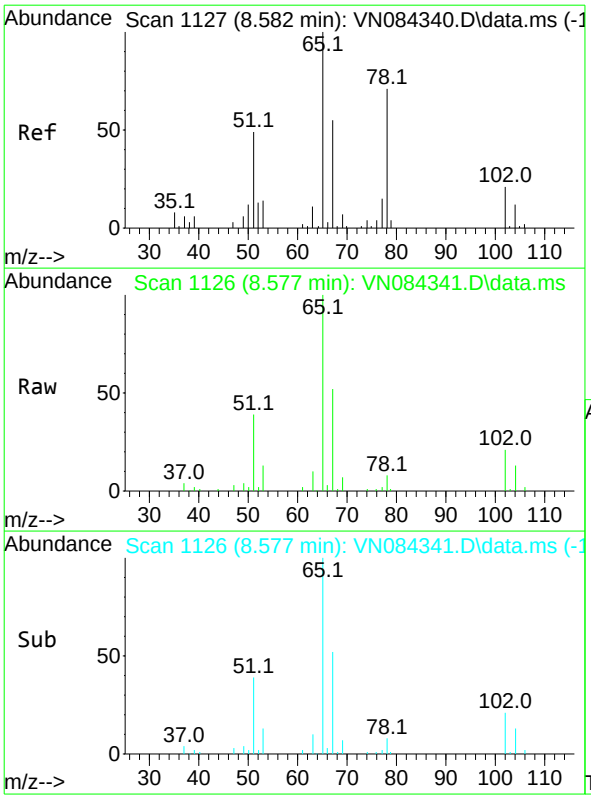


#26
Cyclohexane
Concen: 4.707 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 56 Resp: 16244

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	87.4	67.0	100.6

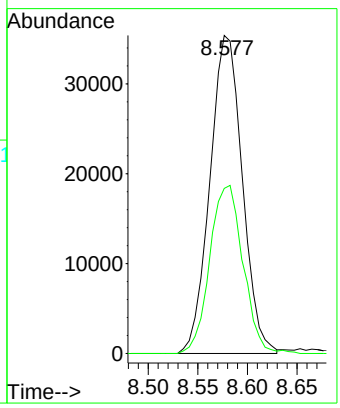




#27
1,2-Dichloroethane-d4
Concen: 30.153 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 65 Resp: 80437

Ion	Ratio	Lower	Upper
65	100		
67	54.2	41.5	62.3



Instrument :
MSVOA_N
ClientSampleId :
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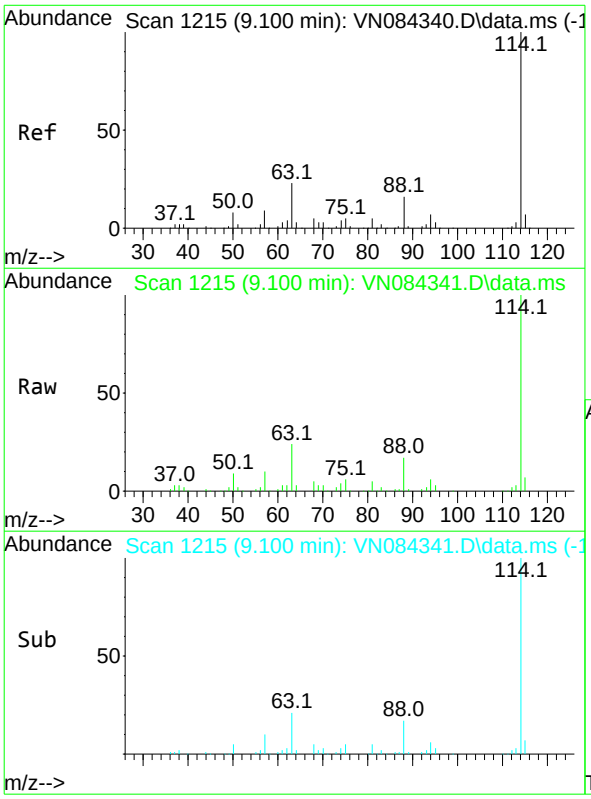
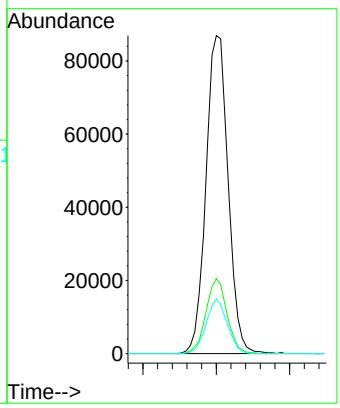
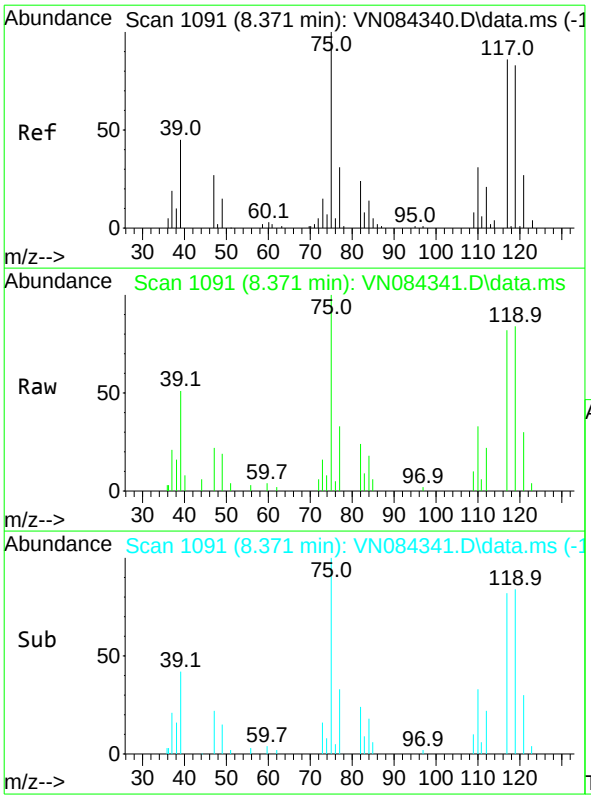


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:114 Resp: 182092

Ion	Ratio	Lower	Upper
114	100		
63	22.4	17.4	26.0
88	16.3	13.2	19.8

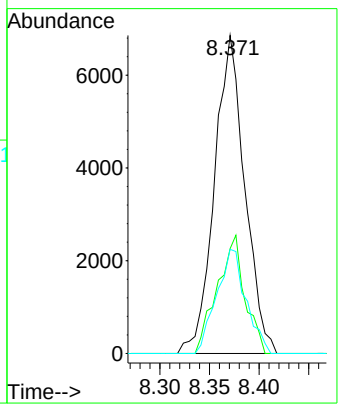




#29
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 14635

Ion	Ratio	Lower	Upper
75	100		
110	33.6	0.0	67.6
77	31.6	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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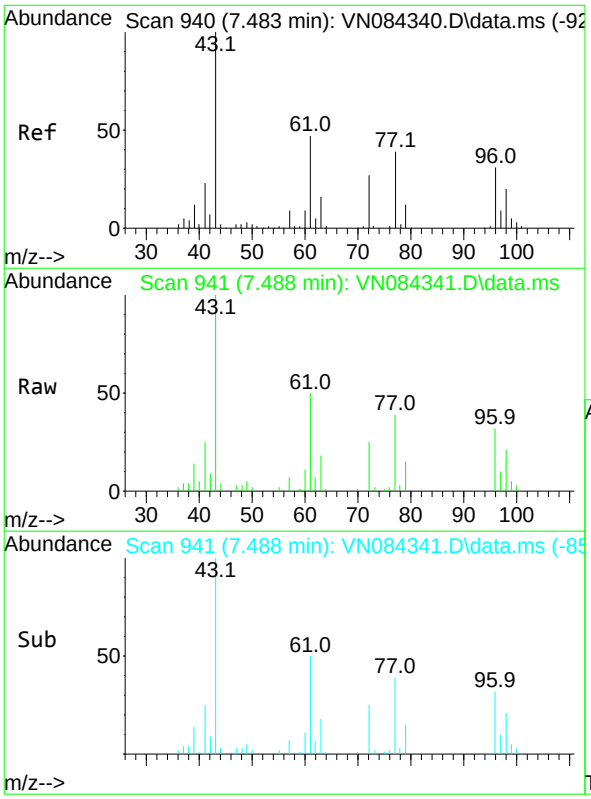
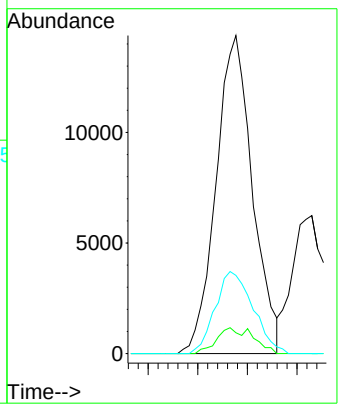
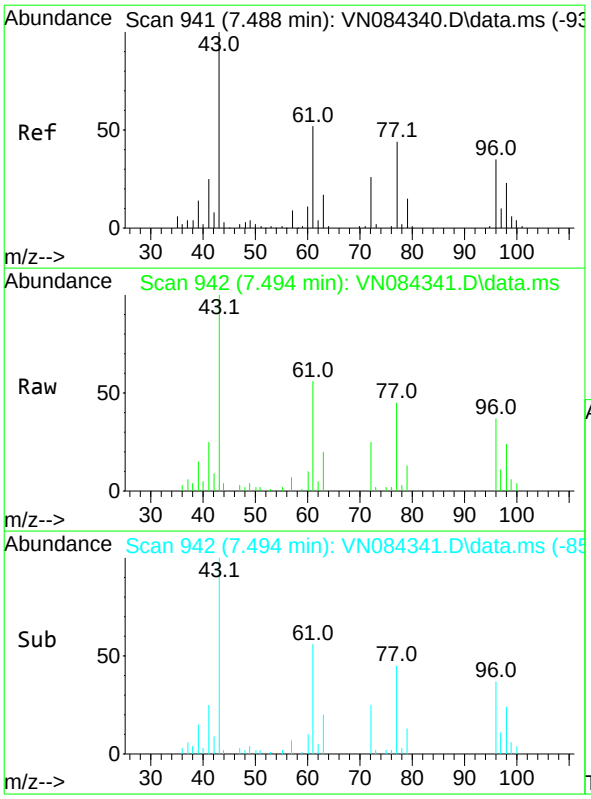


#30
2-Butanone
Concen: 23.051 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 36686

Ion	Ratio	Lower	Upper
43	100		
57	5.3	6.6	9.8#
72	26.8	21.3	31.9

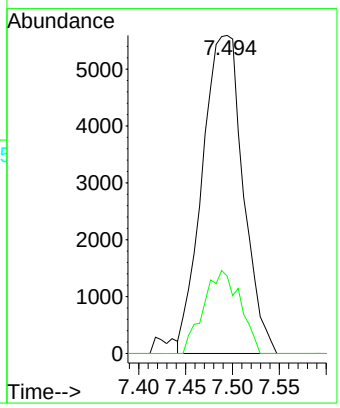




#31
2,2-Dichloropropane
Concen: 4.835 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 77 Resp: 16984

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.5	17.3#



Instrument :
MSVOA_N
ClientSampleId :
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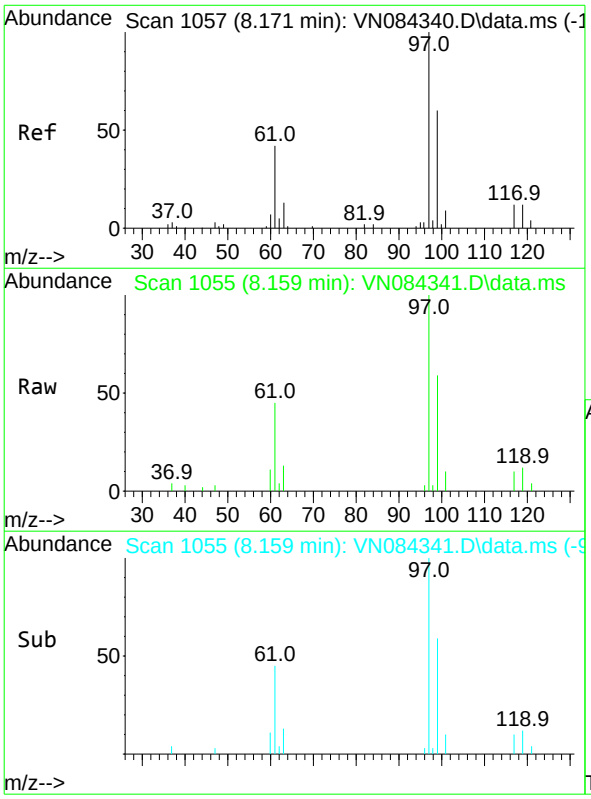
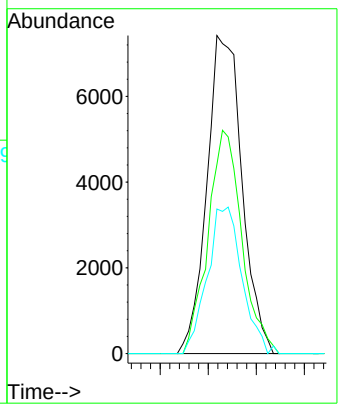
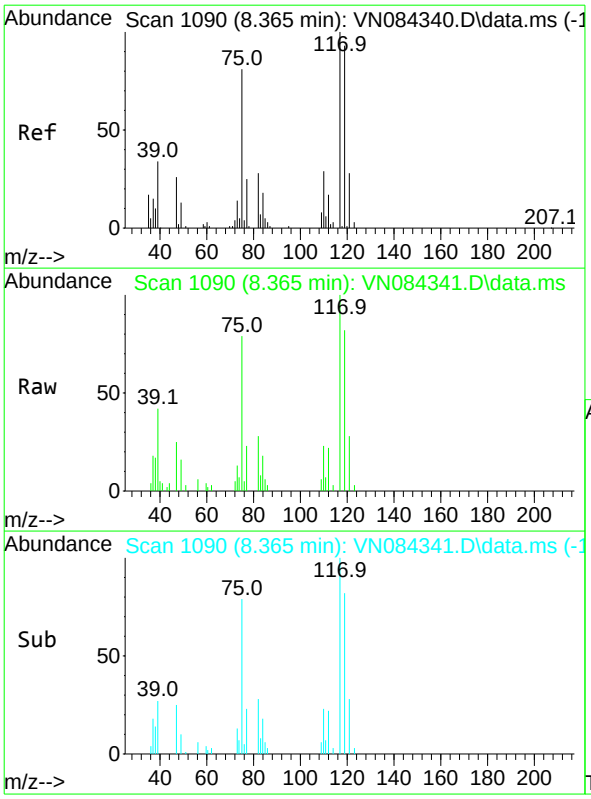


#32
1,1,1-Trichloroethane
Concen: 4.934 ug/l m
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 97 Resp: 18852

Ion	Ratio	Lower	Upper
97	100		
99	67.5	51.2	76.8
61	45.2	34.1	51.1

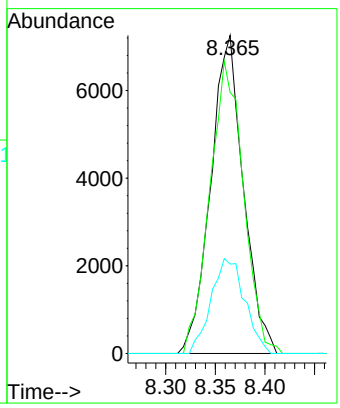




#33
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 8.365 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:117 Resp: 16613

Ion	Ratio	Lower	Upper
117	100		
119	82.1	74.3	111.5
121	28.1	22.4	33.6



Instrument :
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ClientSampleId :
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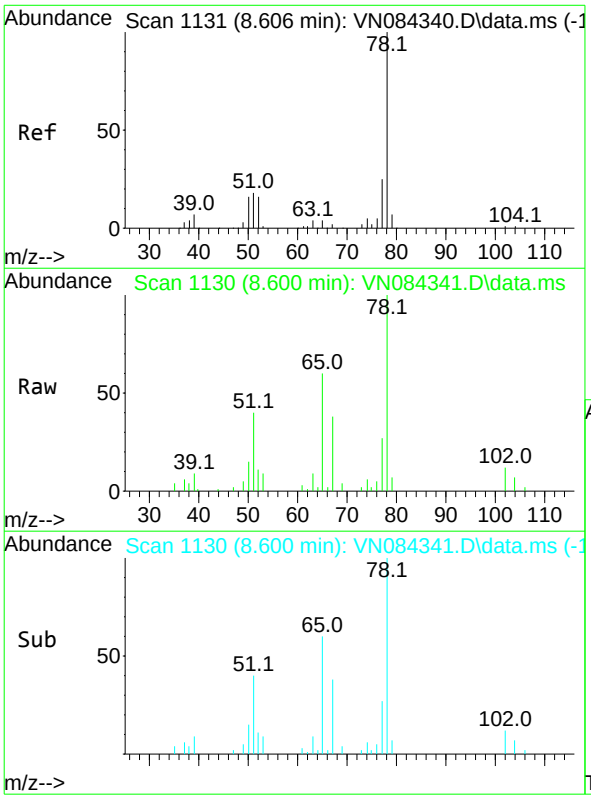
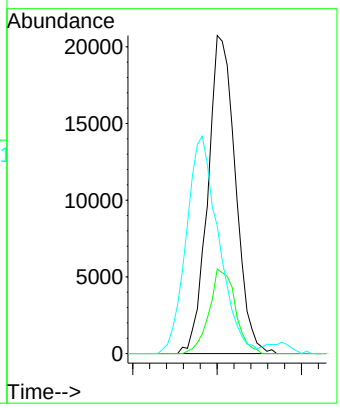
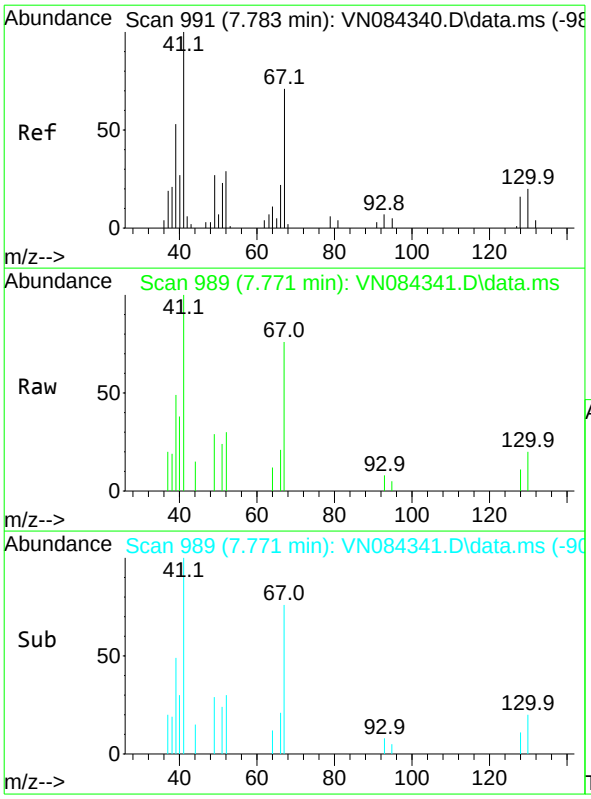


#34
Benzene
Concen: 5.045 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 78 Resp: 47206

Ion	Ratio	Lower	Upper
78	100		
77	26.6	19.6	29.4
51	37.3	15.8	23.6#

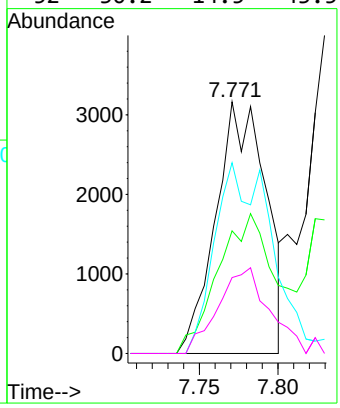




#35
Methacrylonitrile
Concen: 4.135 ug/l m
RT: 7.771 min Scan# 98
Delta R.T. -0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 41 Resp: 7020

Ion	Ratio	Lower	Upper
41	100		
39	48.7	26.4	79.0
67	75.8	35.7	107.1
52	30.2	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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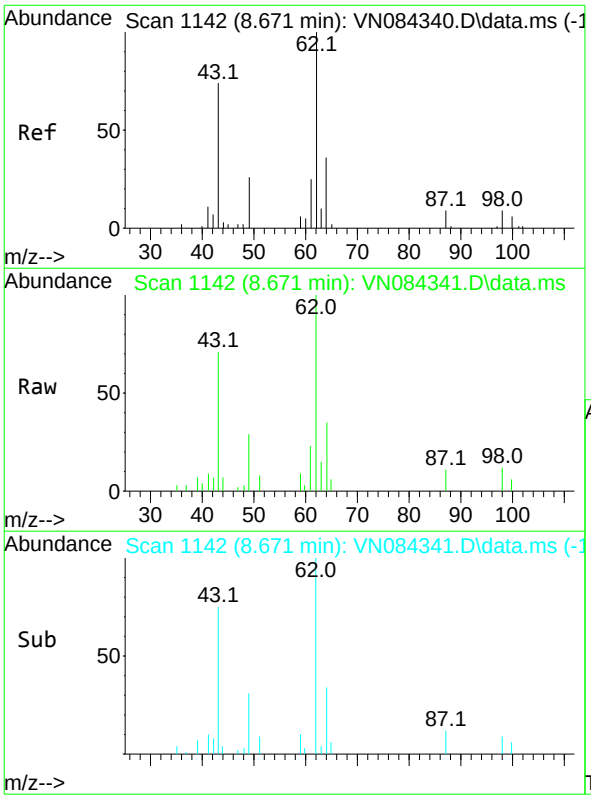
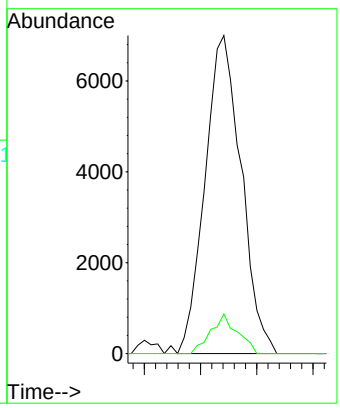
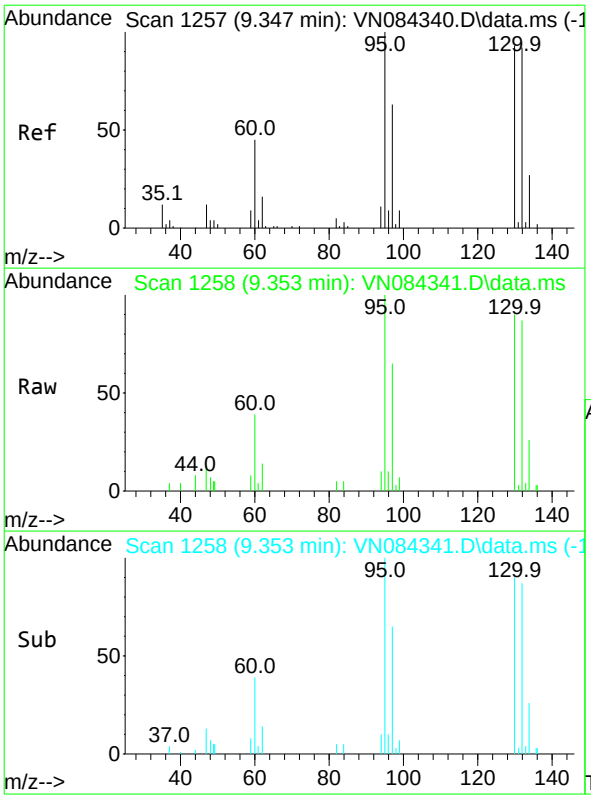


#36
1,2-Dichloroethane
Concen: 5.011 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 62 Resp: 15630

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9

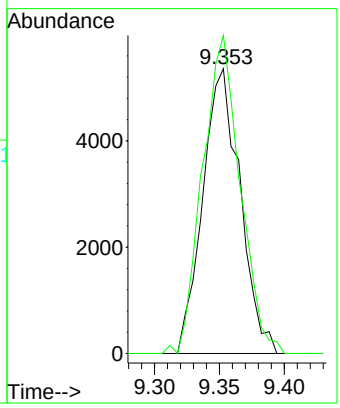




#37
Trichloroethene
Concen: 4.973 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:130 Resp: 10715

Ion	Ratio	Lower	Upper
130	100		
95	111.7	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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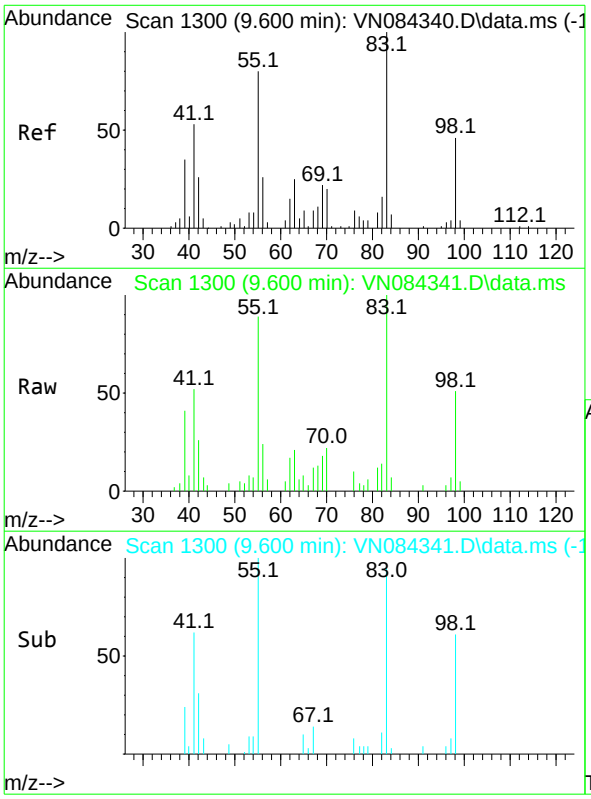
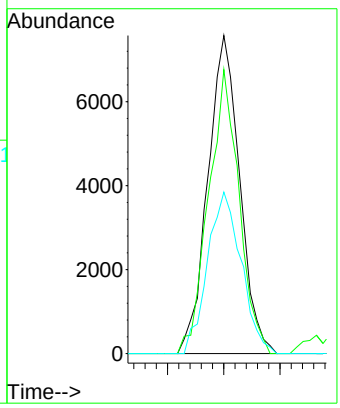
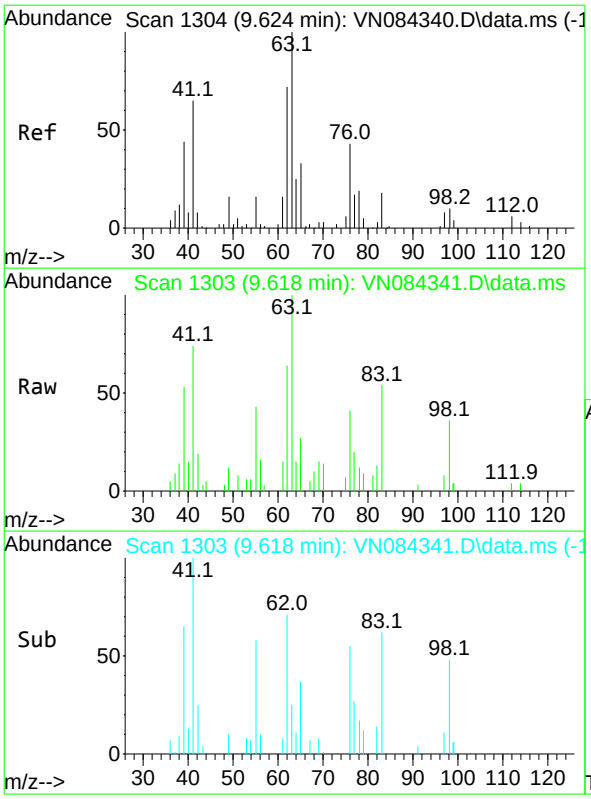


#38
Methylcyclohexane
Concen: 4.541 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 83 Resp: 14911

Ion	Ratio	Lower	Upper
83	100		
55	85.5	39.3	117.8
98	53.7	24.0	72.0

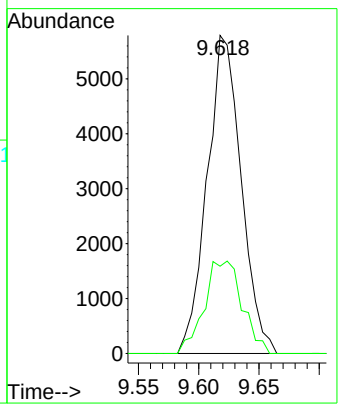




#39
1,2-Dichloropropane
Concen: 4.992 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 63 Resp: 11390

Ion	Ratio	Lower	Upper
63	100		
65	27.4	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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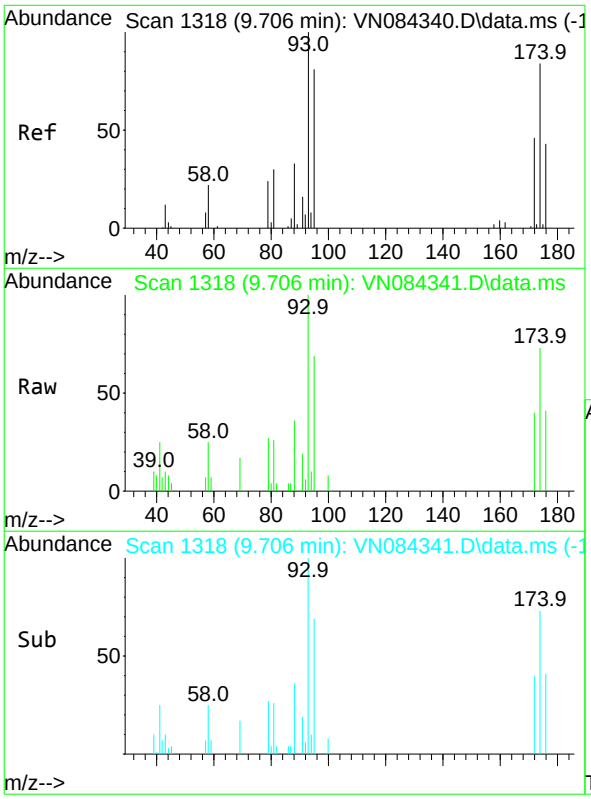
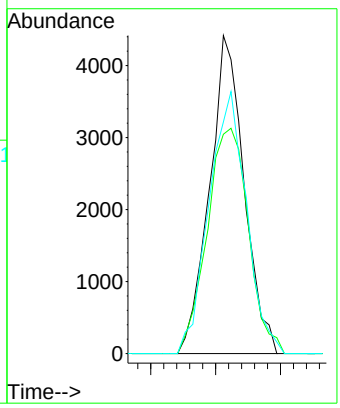
Supervised By :Mahesh Dadoda 10/09/2024

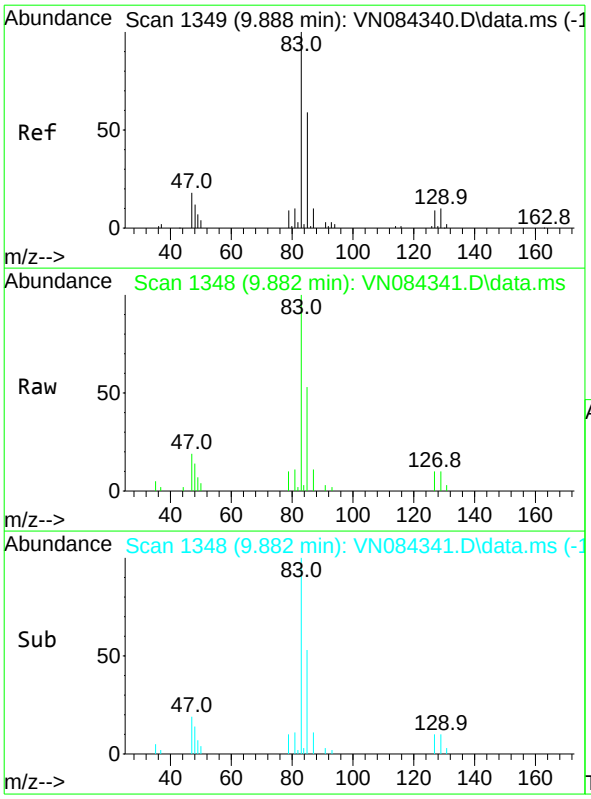


#40
Dibromomethane
Concen: 5.113 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 93 Resp: 8154

Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	171.4
174	89.5	0.0	183.0

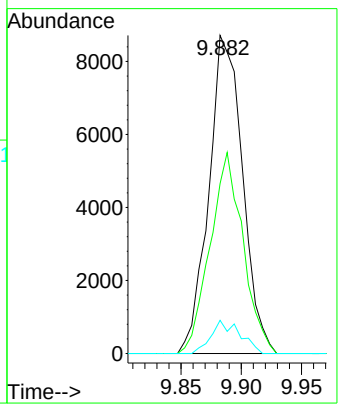




#41
Bromodichloromethane
Concen: 5.009 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 83 Resp: 16959

Ion	Ratio	Lower	Upper
83	100		
85	53.4	47.1	70.7
127	10.4	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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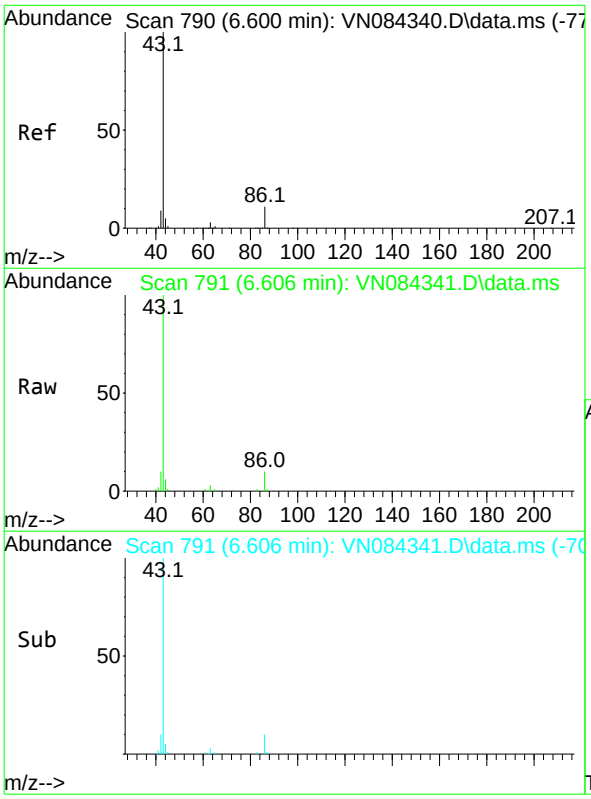
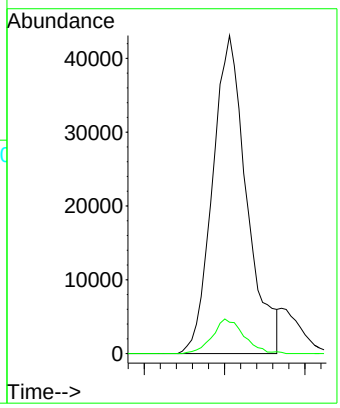
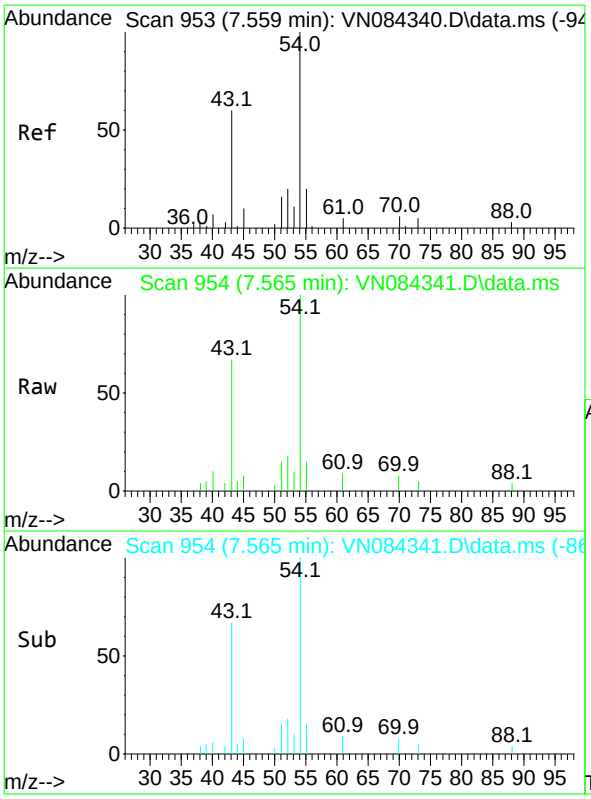


#42
Vinyl Acetate
Concen: 22.946 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 127008

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.5	12.7

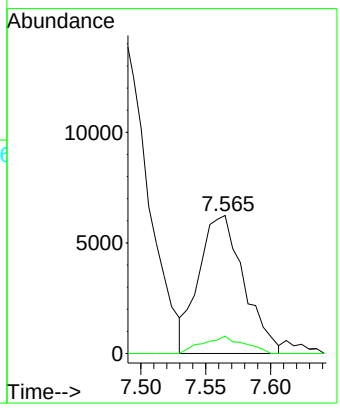




#43
Ethyl Acetate
Concen: 4.782 ug/l m
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 15009

Ion	Ratio	Lower	Upper
43	100		
45	11.6	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
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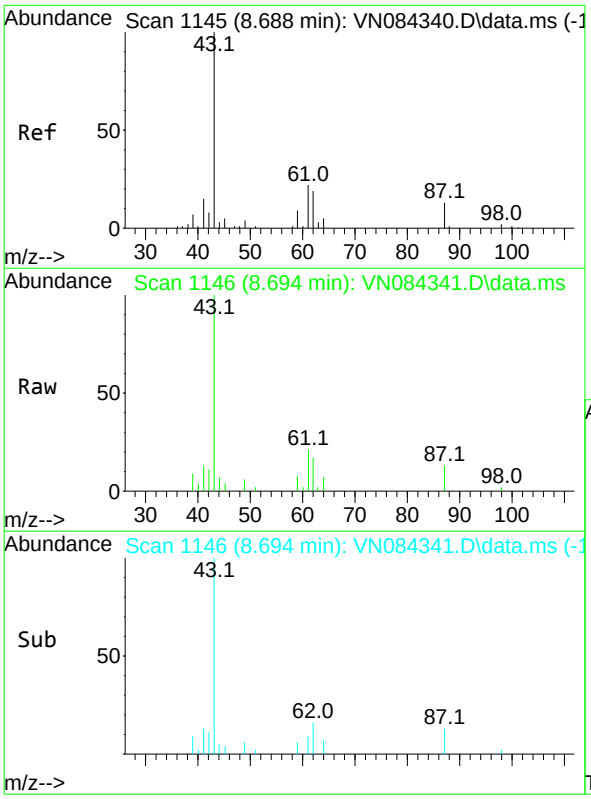
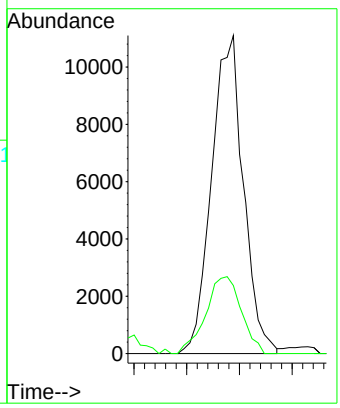
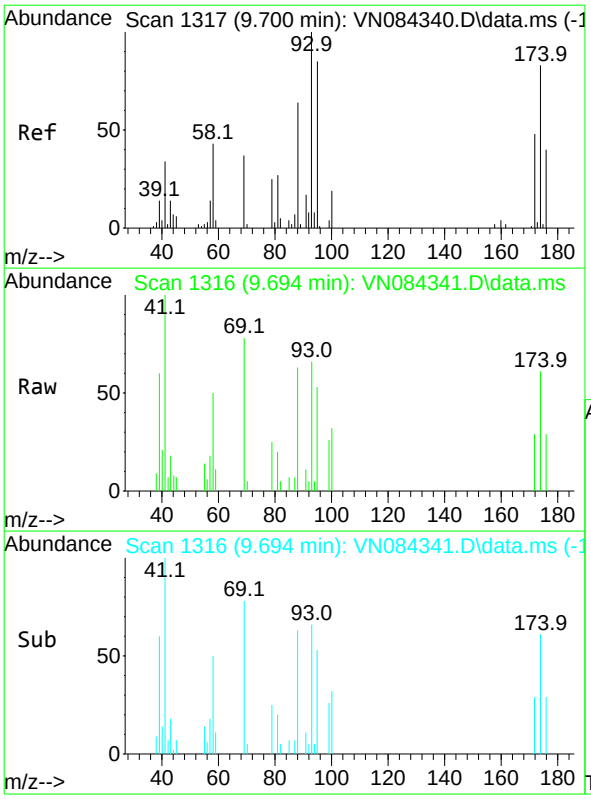


#44
Isopropyl Acetate
Concen: 4.524 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 23240

Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.4	32.2

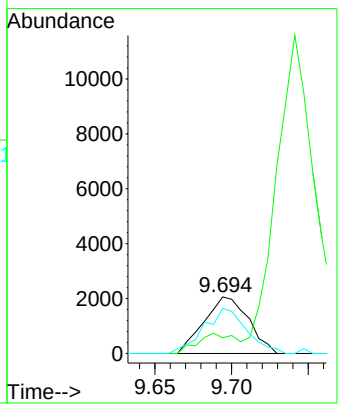




#45
1,4-Dioxane
Concen: 89.589 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 88 Resp: 4149

Ion	Ratio	Lower	Upper
88	100		
43	30.4	22.4	33.6
58	76.9	59.7	89.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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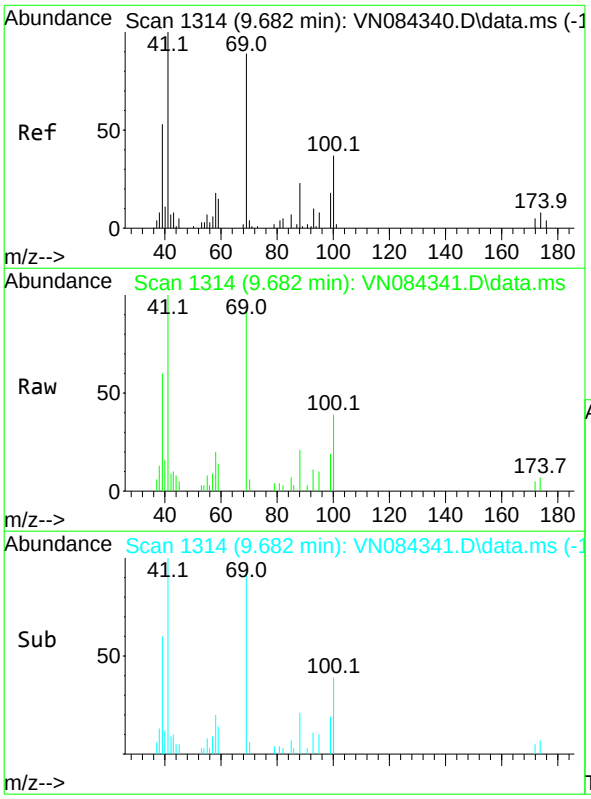
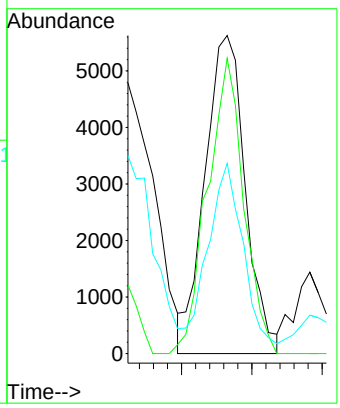
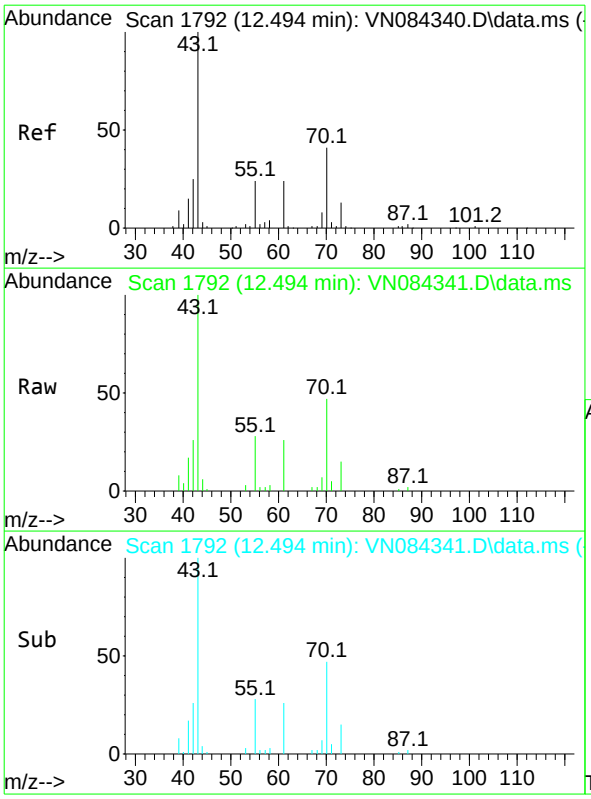


#46
Methyl methacrylate
Concen: 4.516 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 41 Resp: 11210

Ion	Ratio	Lower	Upper
41	100		
69	98.8	42.6	128.0
39	60.4	27.5	82.4

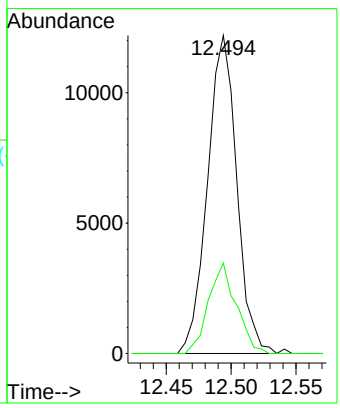




#47
n-amyl Acetate
Concen: 4.187 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 19132

Ion	Ratio	Lower	Upper
43	100		
55	27.0	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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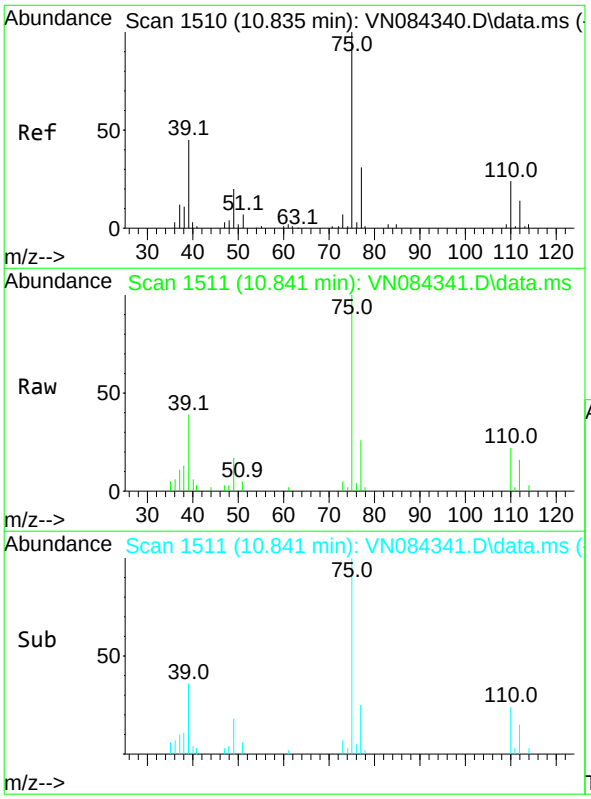
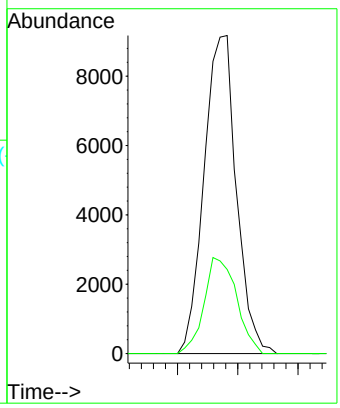
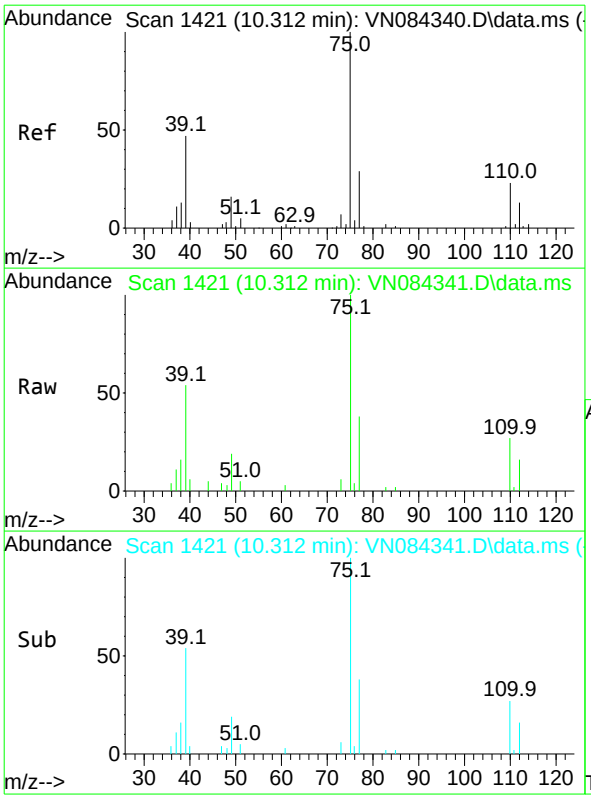


#48
t-1,3-Dichloropropene
Concen: 4.893 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 17119

Ion	Ratio	Lower	Upper
75	100		
77	26.4	24.6	37.0

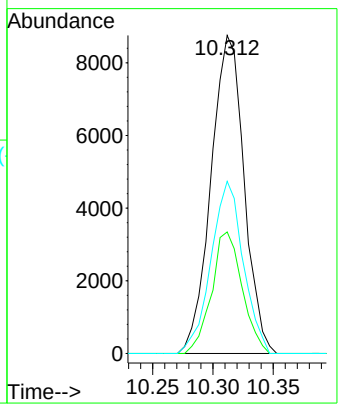




#49
cis-1,3-Dichloropropene
Concen: 4.560 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 16720

Ion	Ratio	Lower	Upper
75	100		
77	38.2	22.9	34.3#
39	54.1	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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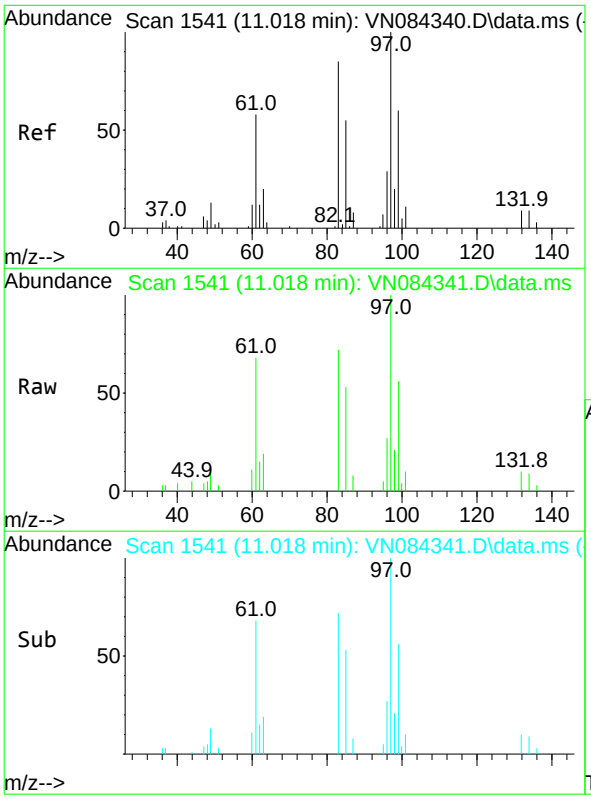
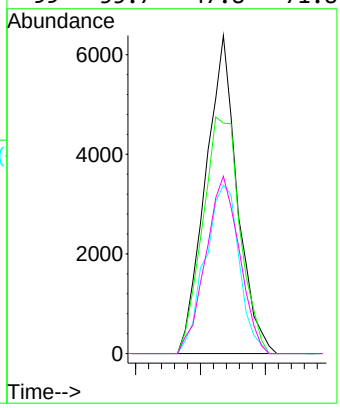
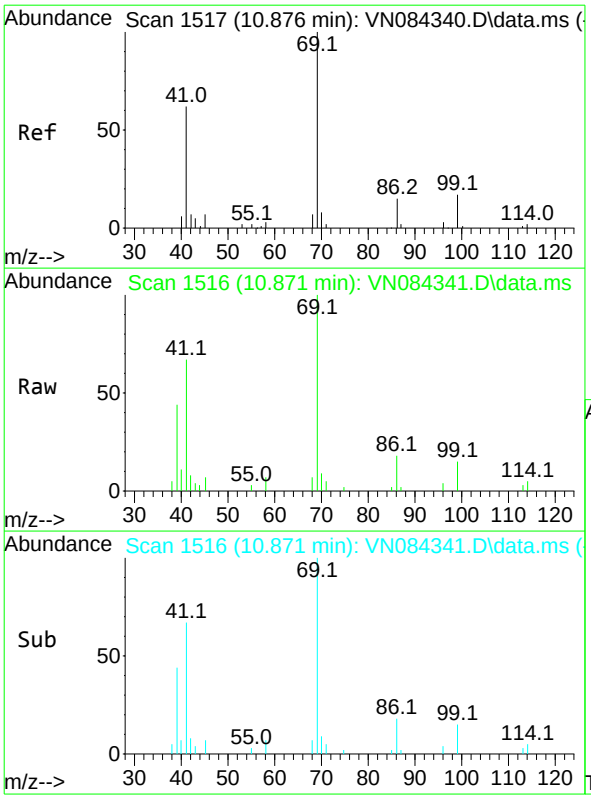


#50
1,1,2-Trichloroethane
Concen: 5.065 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 97 Resp: 10856

Ion	Ratio	Lower	Upper
97	100		
83	72.5	67.8	101.8
85	52.9	44.2	66.2
99	55.7	47.8	71.8

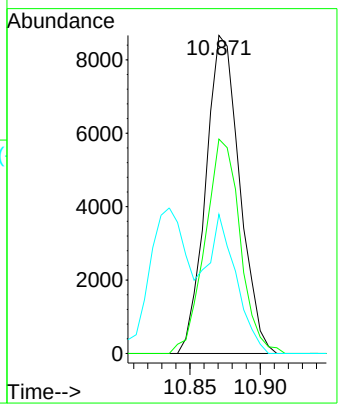




#51
Ethyl methacrylate
Concen: 4.109 ug/l
RT: 10.871 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 69 Resp: 14547

Ion	Ratio	Lower	Upper
69	100		
41	65.6	30.9	92.7
39	43.7	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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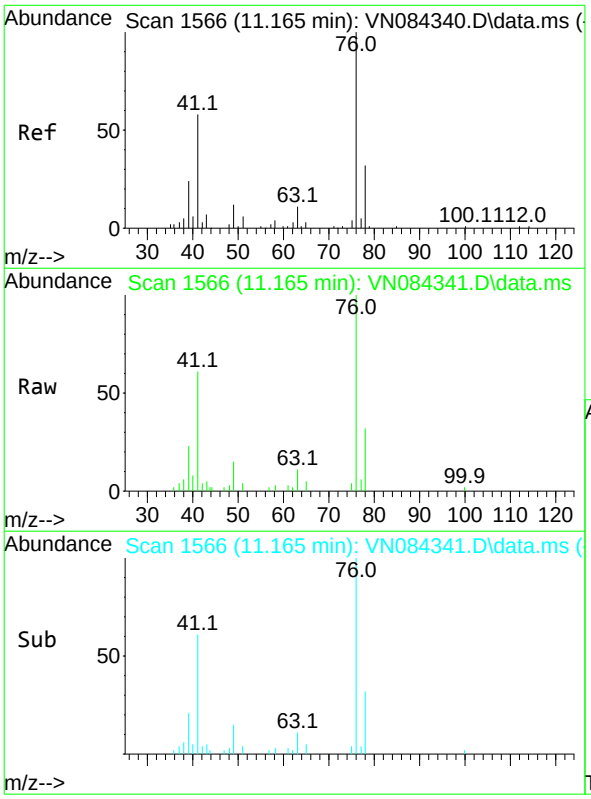
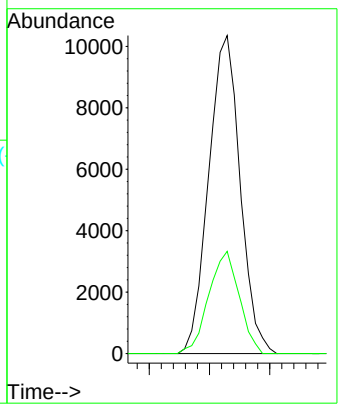
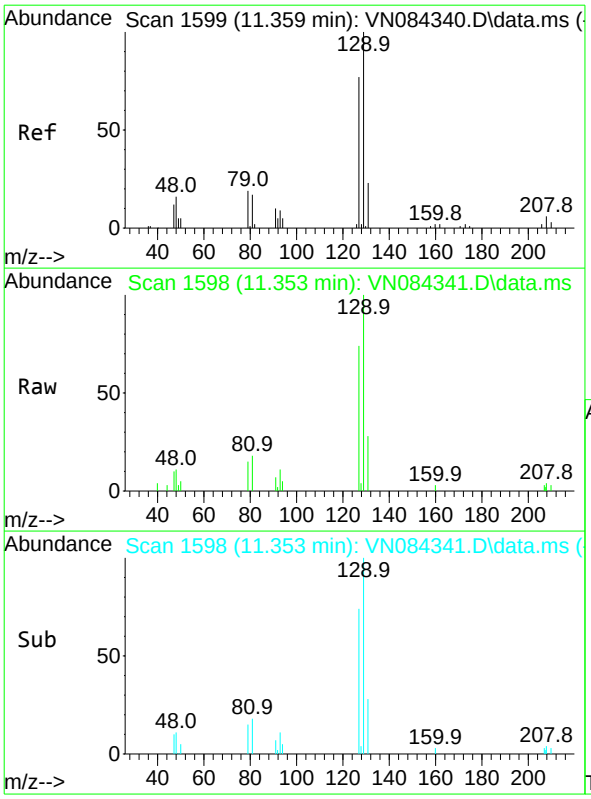


#52
1,3-Dichloropropane
Concen: 5.011 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 76 Resp: 18781

Ion	Ratio	Lower	Upper
76	100		
78	31.1	0.0	64.2

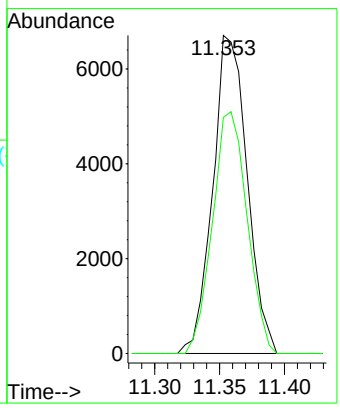




#53
Dibromochloromethane
Concen: 4.880 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:129 Resp: 12356

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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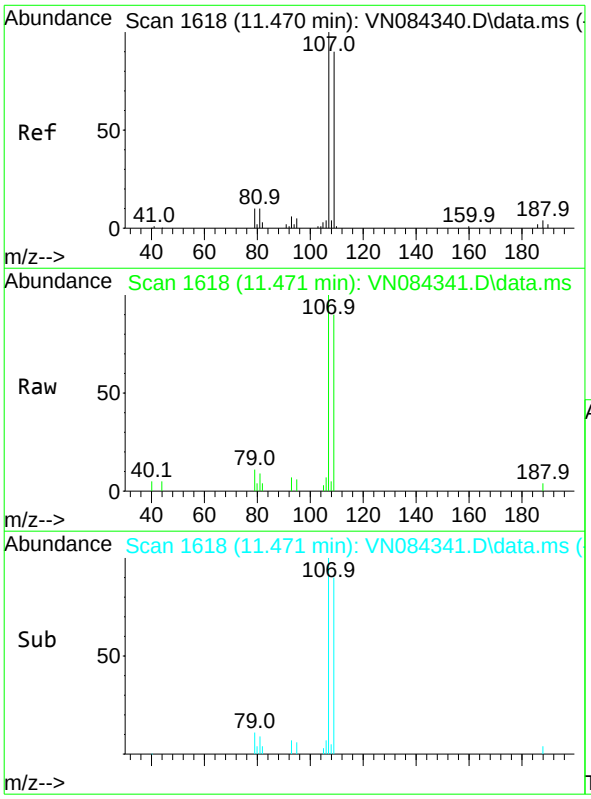
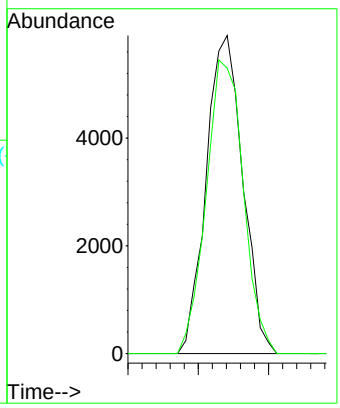
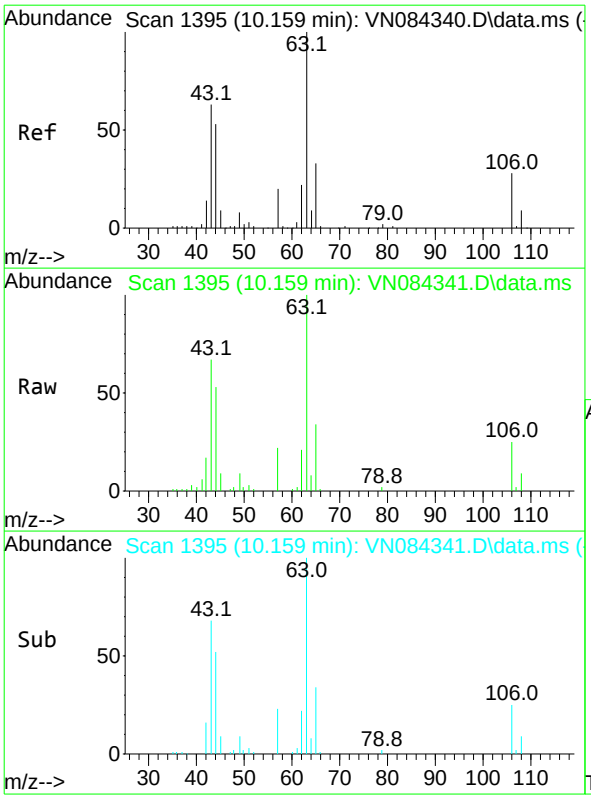


#54
1,2-Dibromoethane
Concen: 4.844 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:107 Resp: 10689

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.6

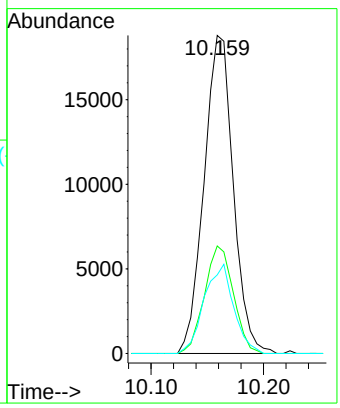




#55
2-Chloroethyl vinyl ether
Concen: 21.155 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 63 Resp: 33972

Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.6	38.4
106	28.4	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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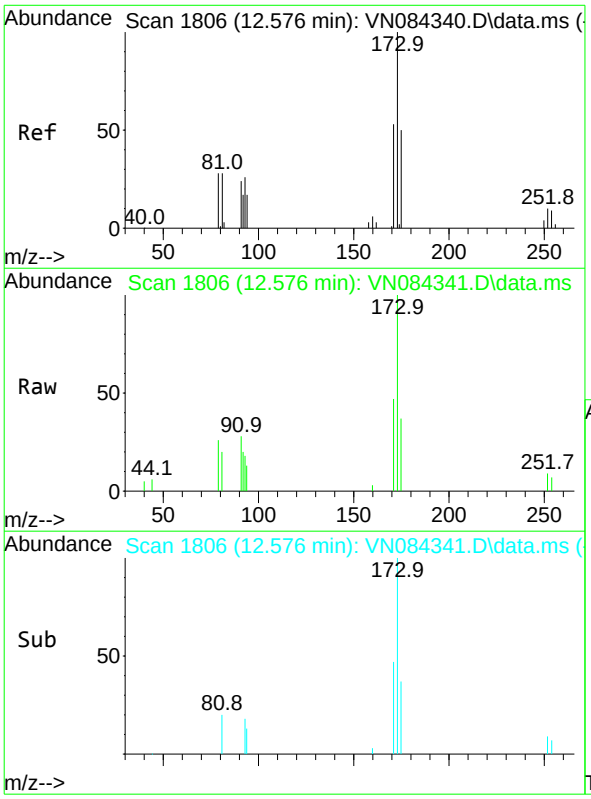
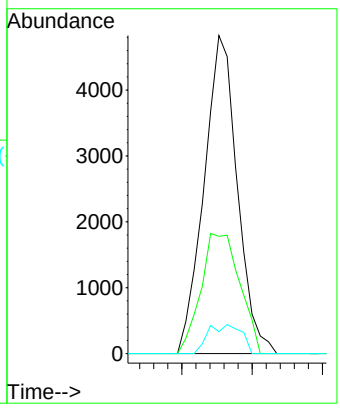
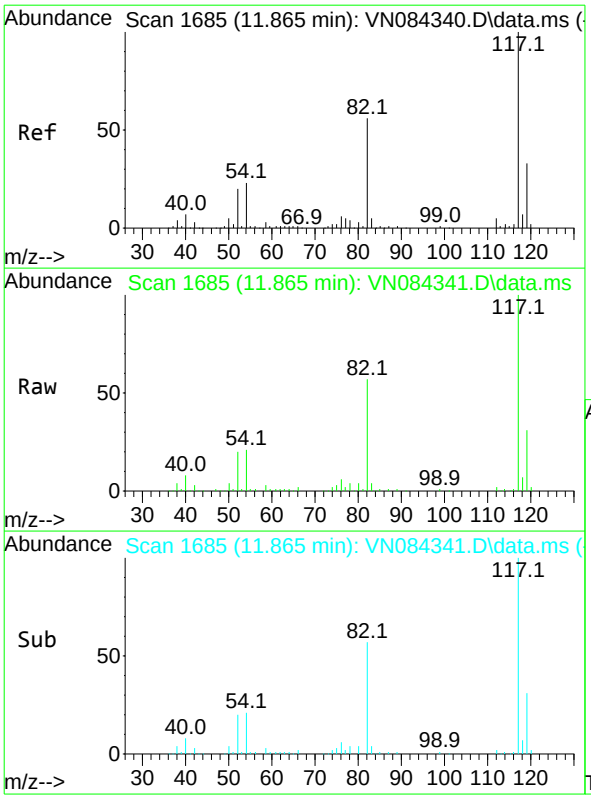


#56
Bromoform
Concen: 4.725 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:173 Resp: 7936

Ion	Ratio	Lower	Upper
173	100		
175	44.2	39.4	59.2
254	4.0	6.8	10.2#

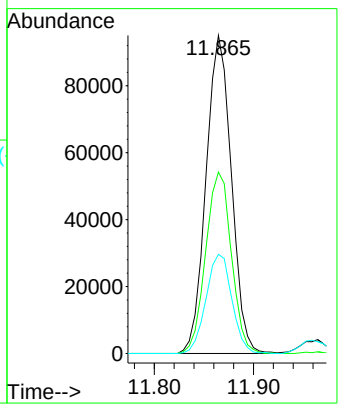




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:117 Resp: 168912

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
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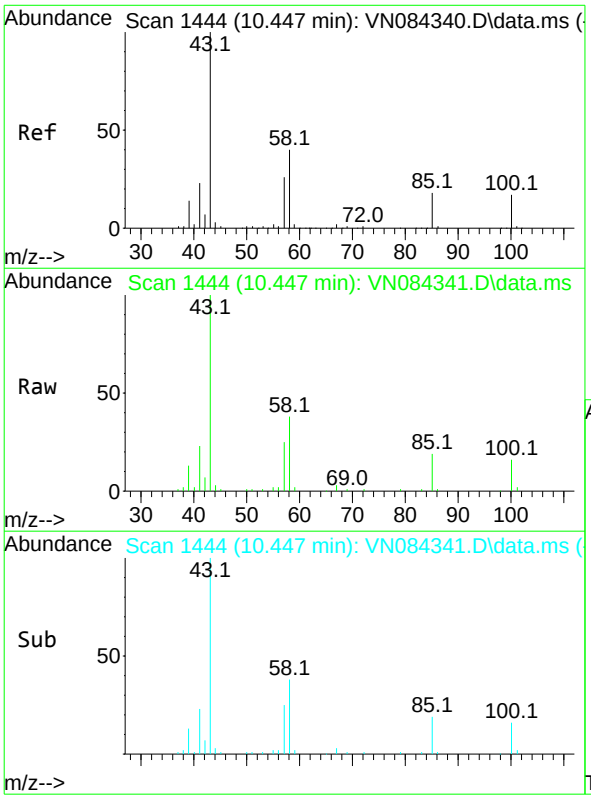
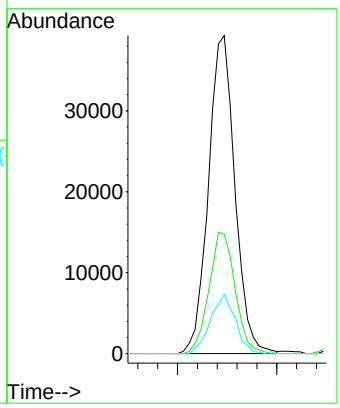
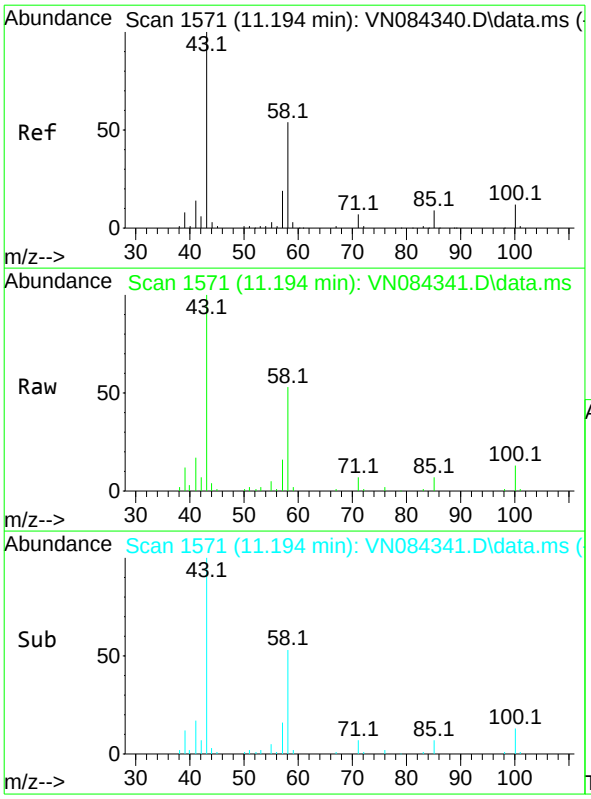


#58
4-Methyl-2-Pentanone
Concen: 23.145 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 72827

Ion	Ratio	Lower	Upper
43	100		
58	37.7	31.9	47.9
85	17.6	14.6	22.0

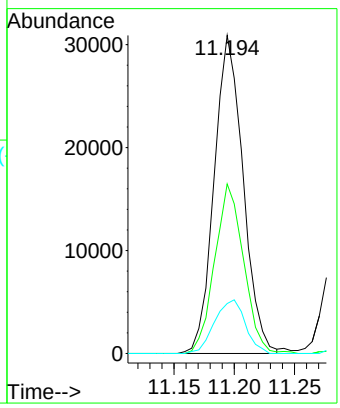




#59
2-Hexanone
Concen: 22.071 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 51606

Ion	Ratio	Lower	Upper
43	100		
58	53.0	44.0	66.0
57	17.9	15.4	23.2



Instrument :
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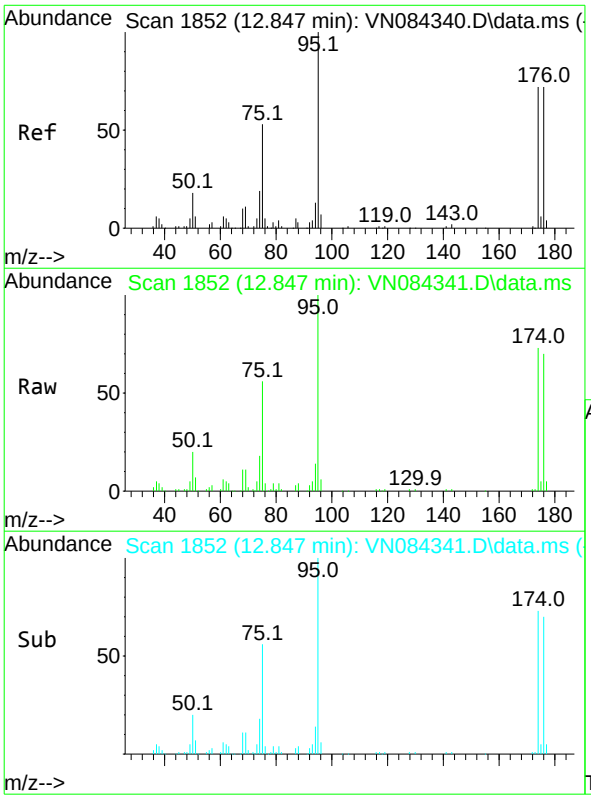
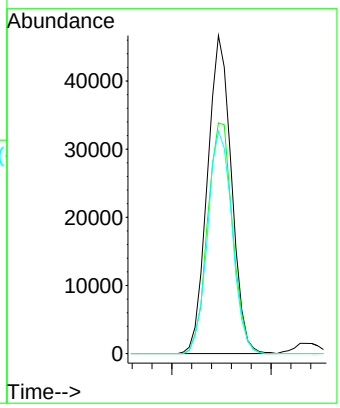
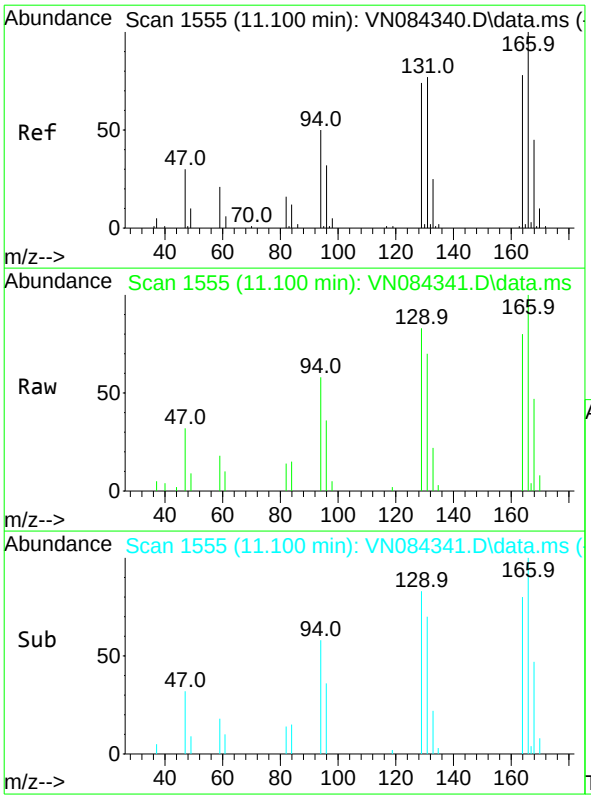


#60
4-Bromofluorobenzene
Concen: 28.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 95 Resp: 78531

Ion	Ratio	Lower	Upper
95	100		
174	75.5	58.2	87.2
176	71.4	56.4	84.6

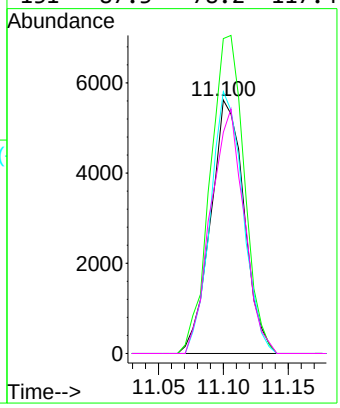




#61
Tetrachloroethene
Concen: 5.266 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:164 Resp: 10061

Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.5	153.7
129	103.3	75.7	113.5
131	87.3	78.2	117.4



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ClientSampleId :
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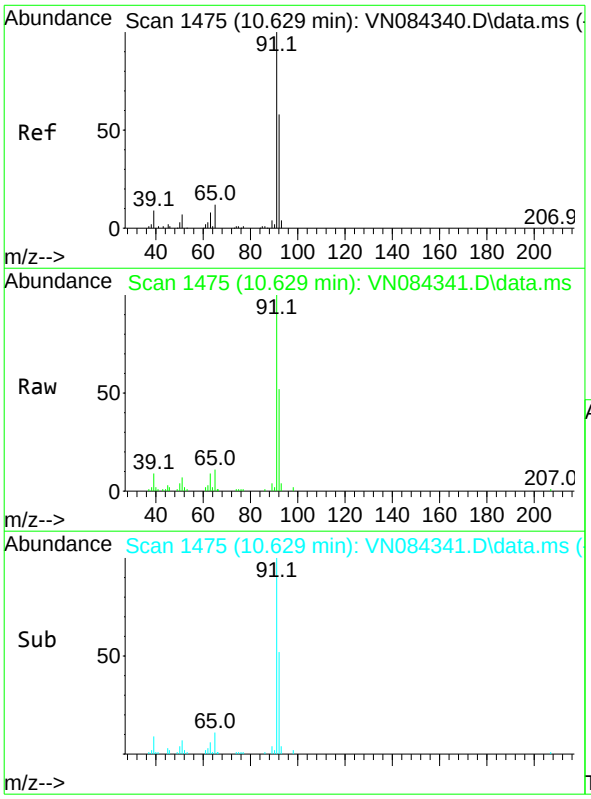
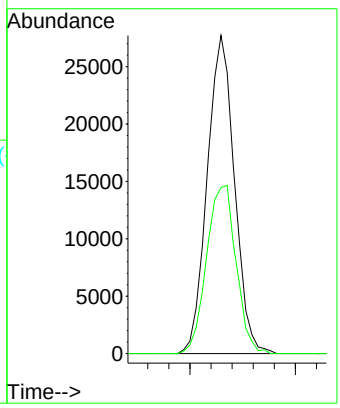
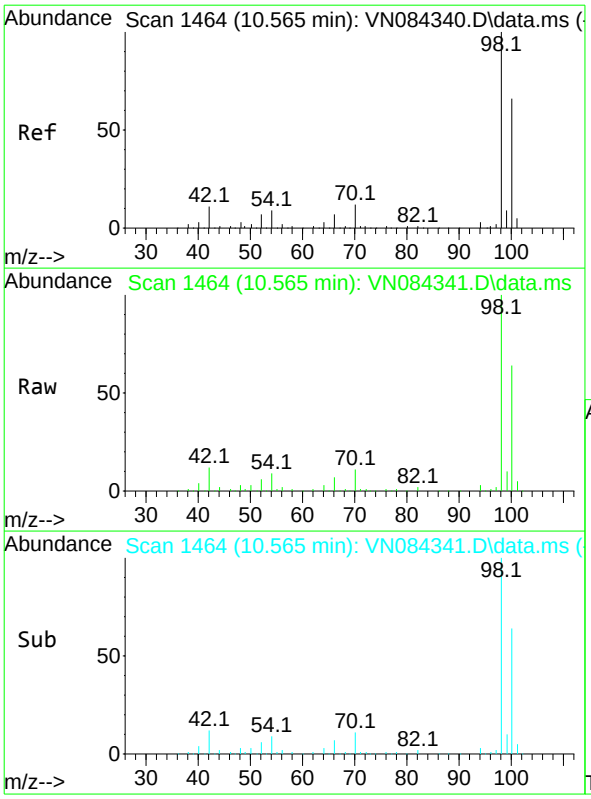


#62
Toluene
Concen: 5.030 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 49743

Ion	Ratio	Lower	Upper
91	100		
92	57.1	47.2	70.8

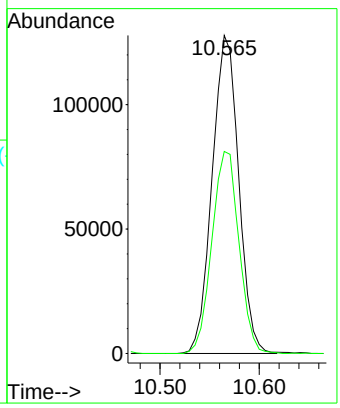




#63
Toluene-d8
Concen: 30.307 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 98 Resp: 237159

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
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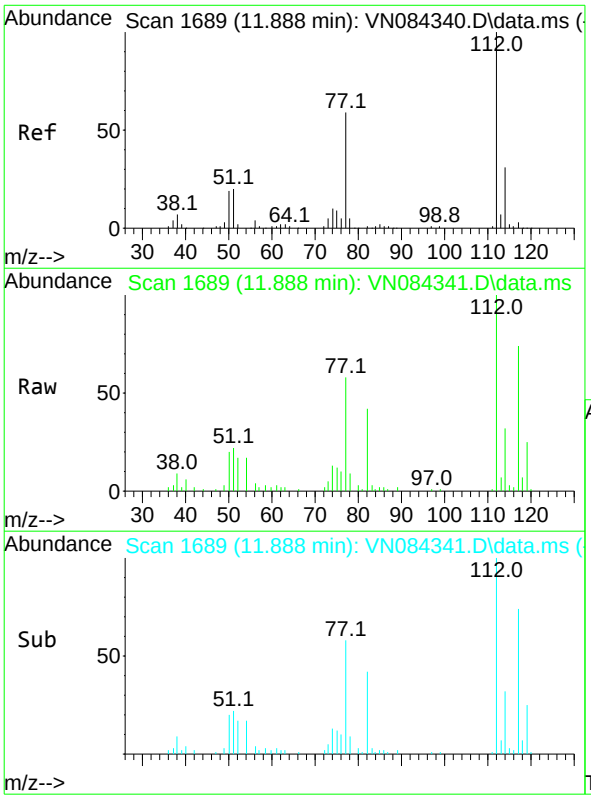
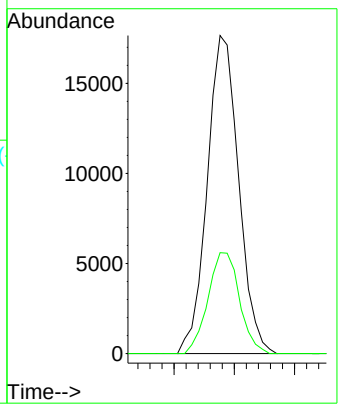
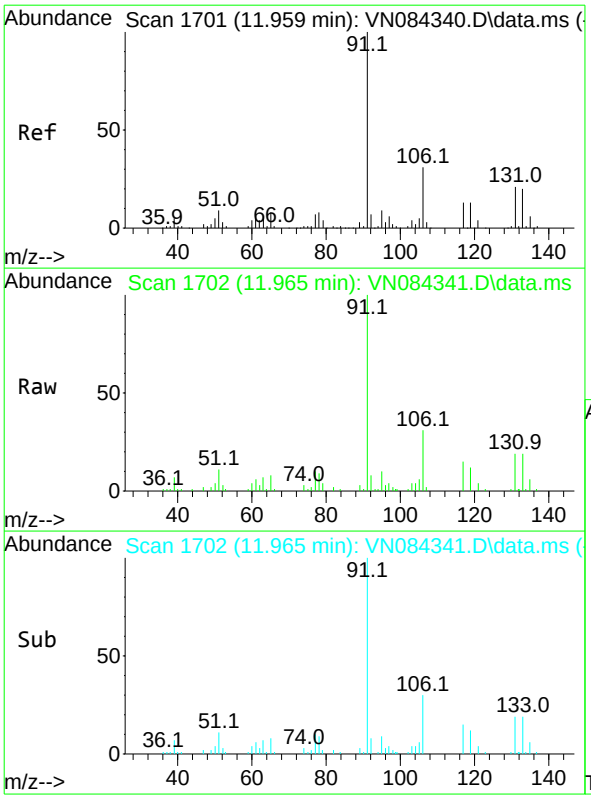


#64
Chlorobenzene
Concen: 5.199 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:112 Resp: 31991

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7

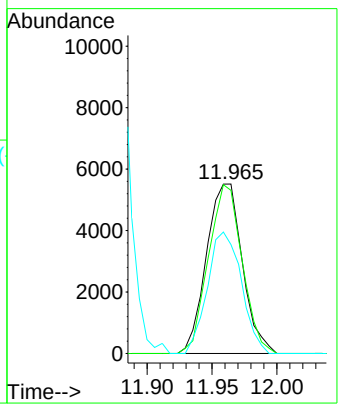




#65
1,1,1,2-Tetrachloroethane
Concen: 4.961 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:131 Resp: 10606

Ion	Ratio	Lower	Upper
131	100		
133	93.6	0.0	190.4
119	68.0	0.0	130.0



Instrument :
MSVOA_N
ClientSampleId :
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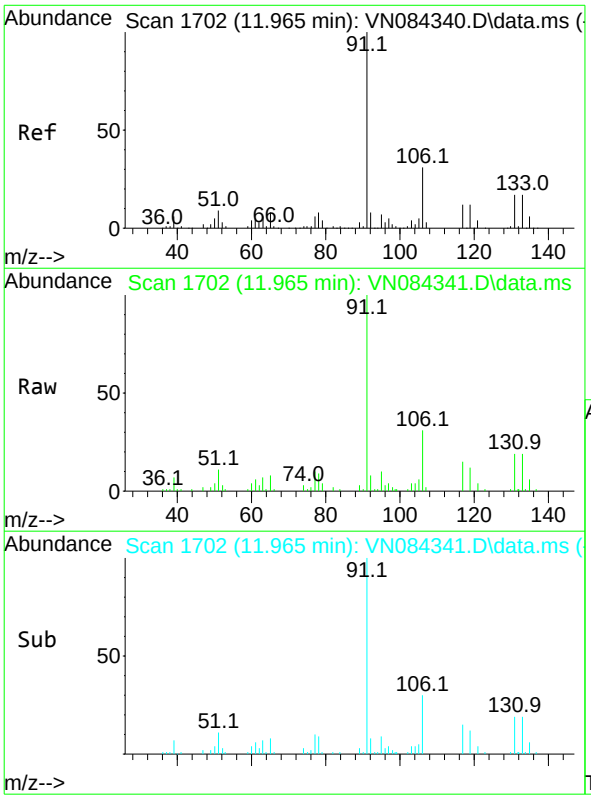
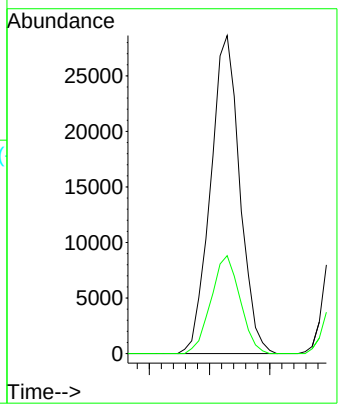
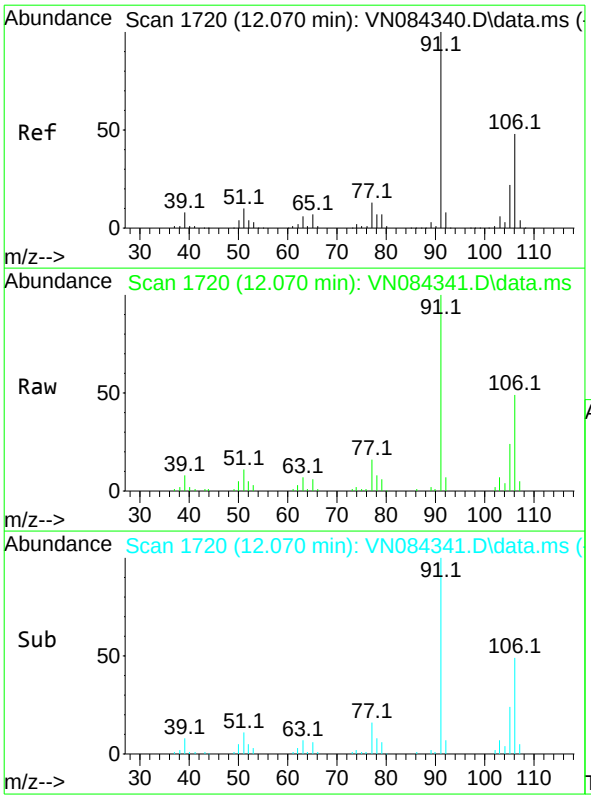


#66
Ethyl Benzene
Concen: 4.494 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 48285

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.2	37.8

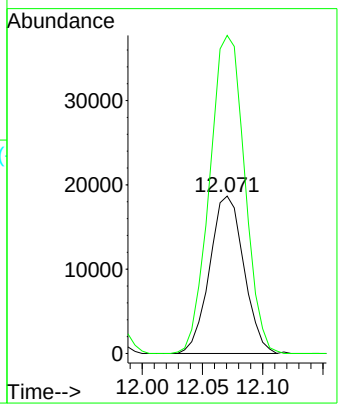




#67
m/p-Xylenes
Concen: 9.030 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:106 Resp: 36802

Ion	Ratio	Lower	Upper
106	100		
91	206.9	166.7	250.1



Instrument :
MSVOA_N
ClientSampleId :
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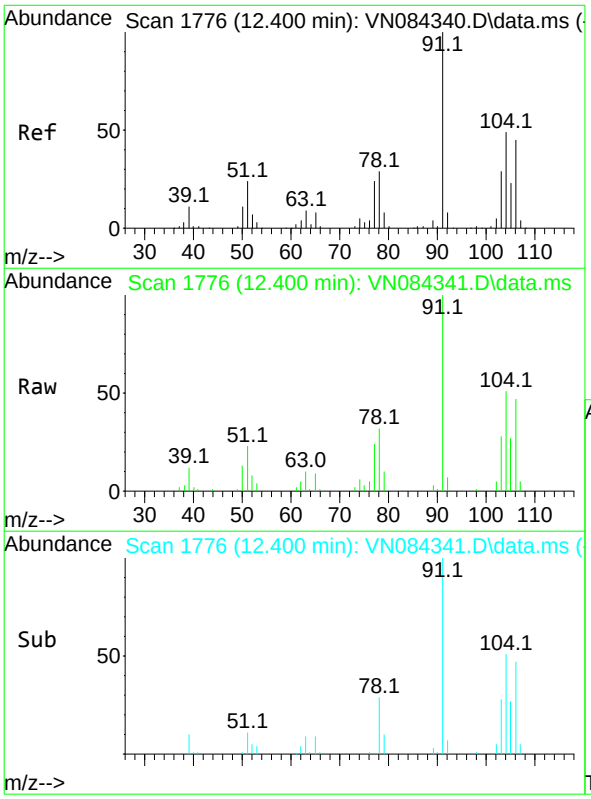
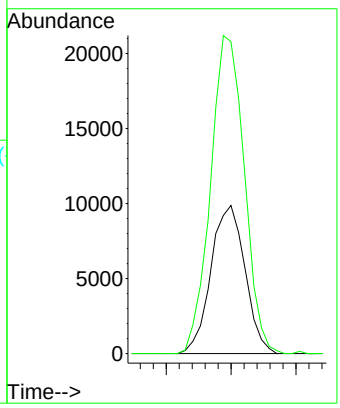
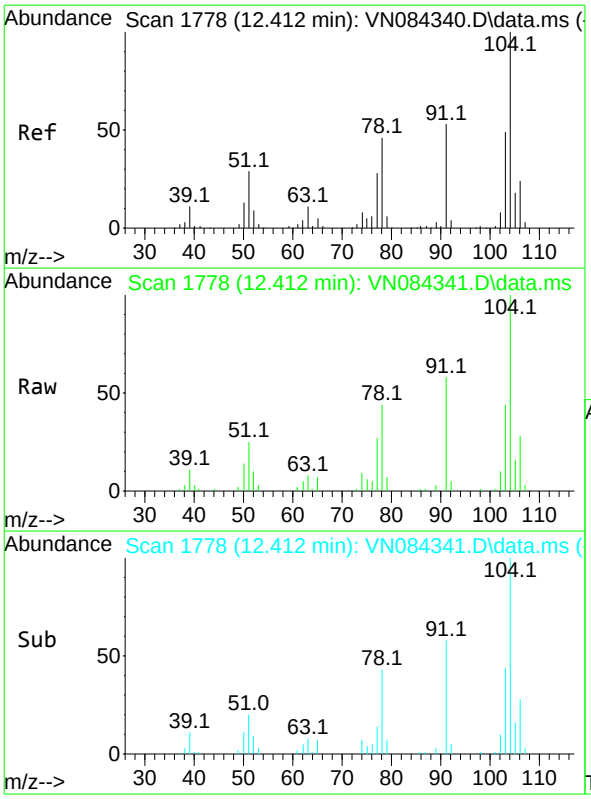


#68
o-Xylene
Concen: 4.591 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:106 Resp: 18036

Ion	Ratio	Lower	Upper
106	100		
91	212.7	110.9	332.9

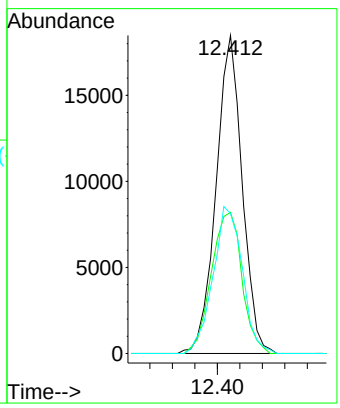




#69
Styrene
Concen: 4.421 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:104 Resp: 29815

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	51.9	44.4	66.6



Instrument :
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ClientSampleId :
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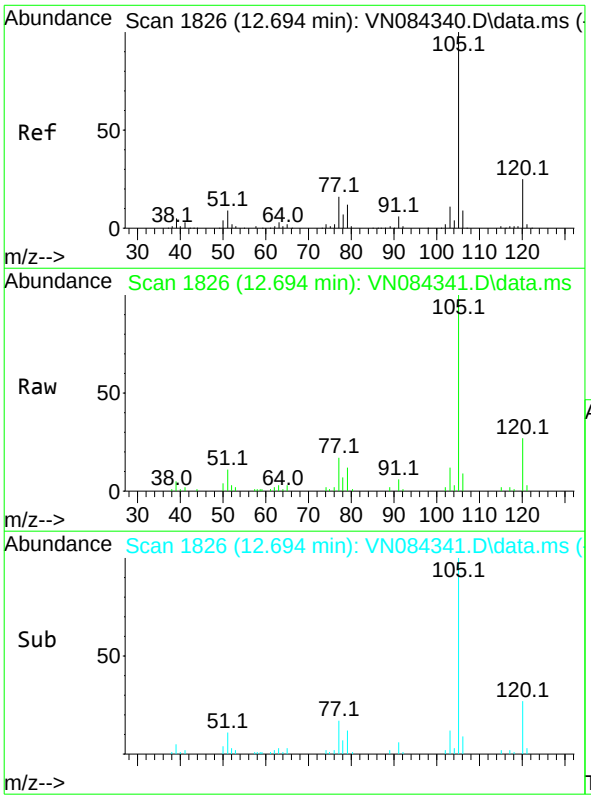
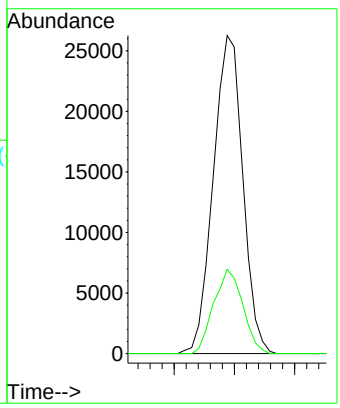
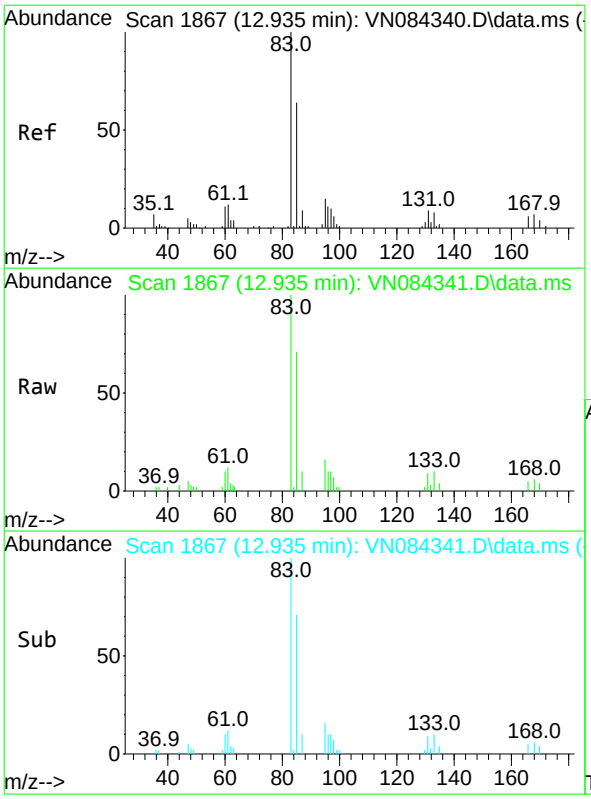


#70
Isopropylbenzene
Concen: 4.455 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 44677

Ion	Ratio	Lower	Upper
105	100		
120	26.1	17.4	32.4

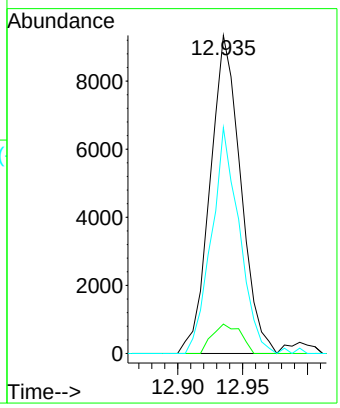




#71
1,1,2,2-Tetrachloroethane
Concen: 4.928 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 83 Resp: 15289

Ion	Ratio	Lower	Upper
83	100		
131	8.6	5.1	15.3
85	64.7	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
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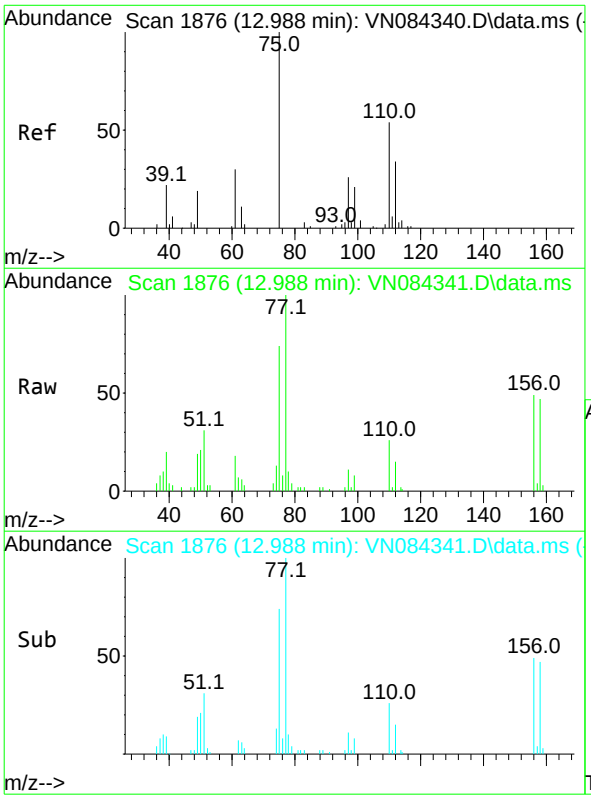
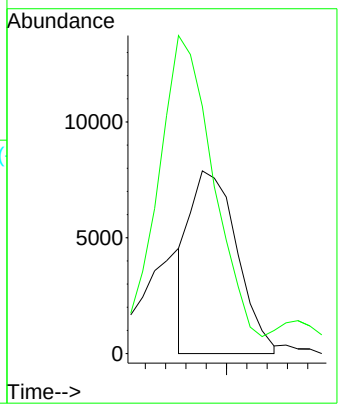
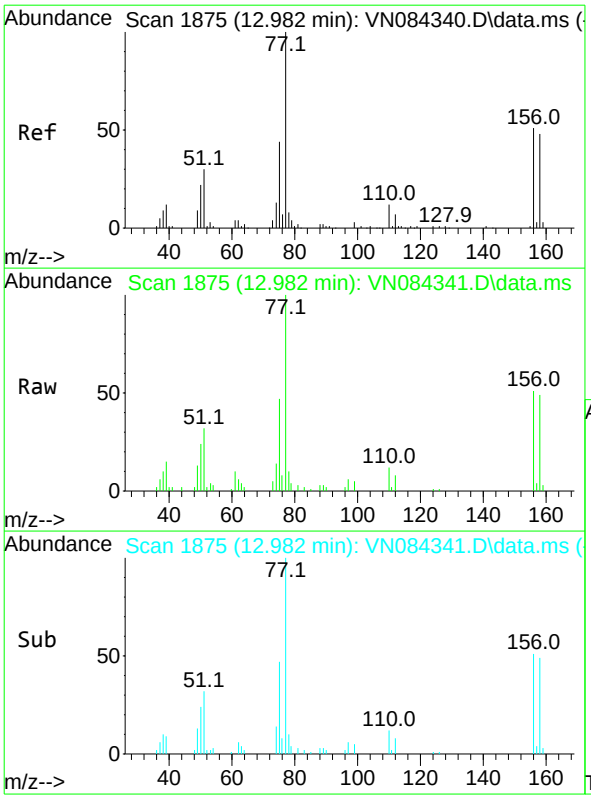


#72
1,2,3-Trichloropropane
Concen: 4.794 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 12720

Ion	Ratio	Lower	Upper
75	100		
77	213.3	0.0	414.0

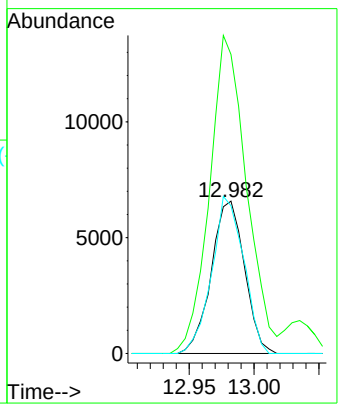




#73
Bromobenzene
Concen: 4.826 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:156 Resp: 11720

Ion	Ratio	Lower	Upper
156	100		
77	231.5	0.0	451.0
158	99.2	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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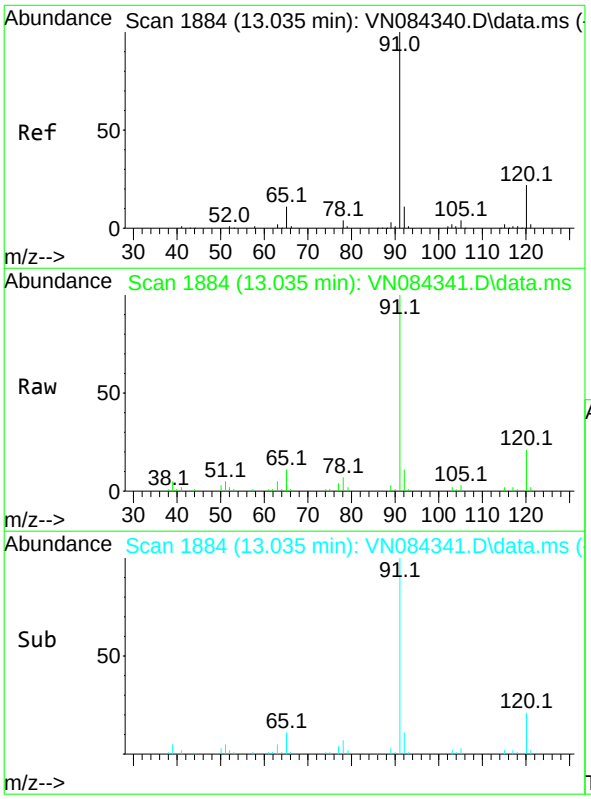
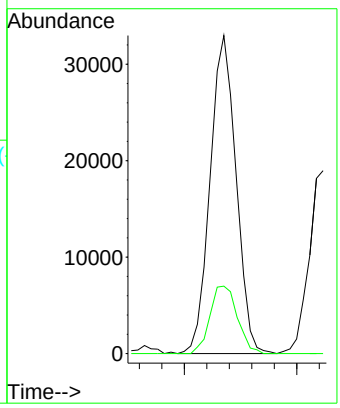
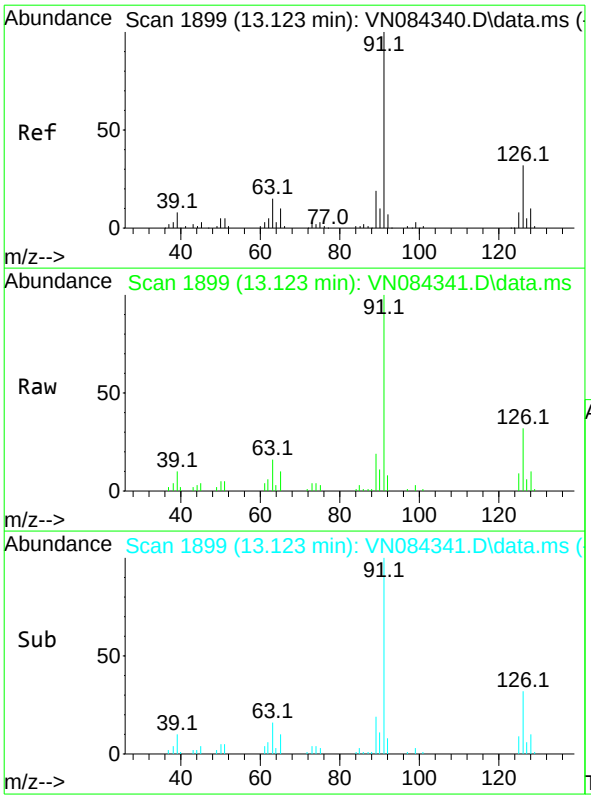


#74
n-propylbenzene
Concen: 4.431 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 52955

Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	43.2

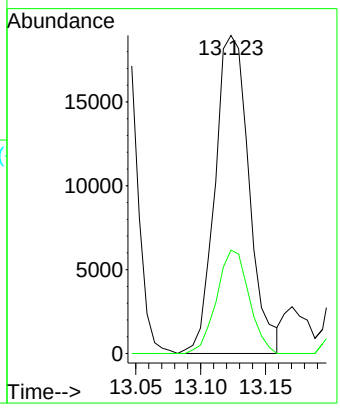




#75
2-Chlorotoluene
Concen: 4.673 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 34704

Ion	Ratio	Lower	Upper
91	100		
126	30.8	0.0	64.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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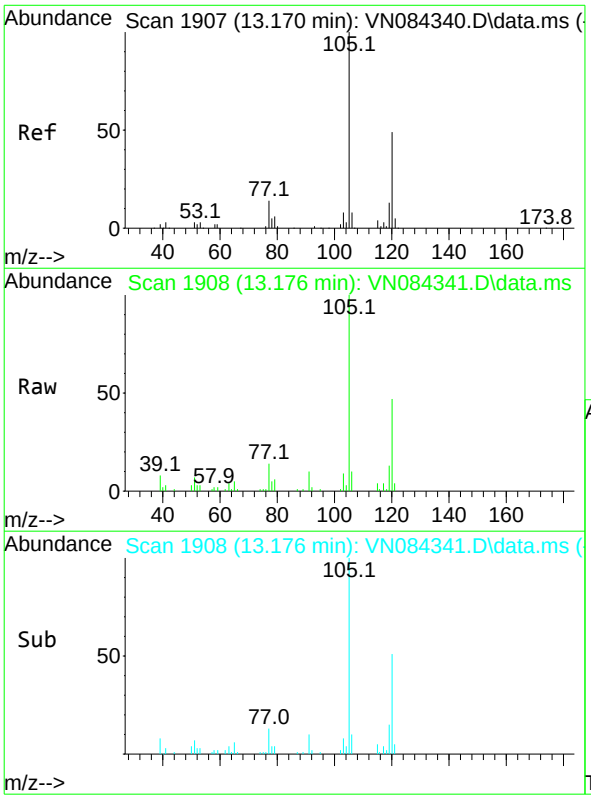
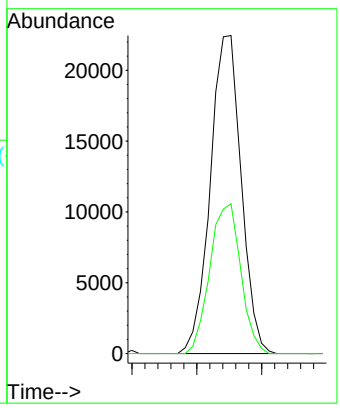
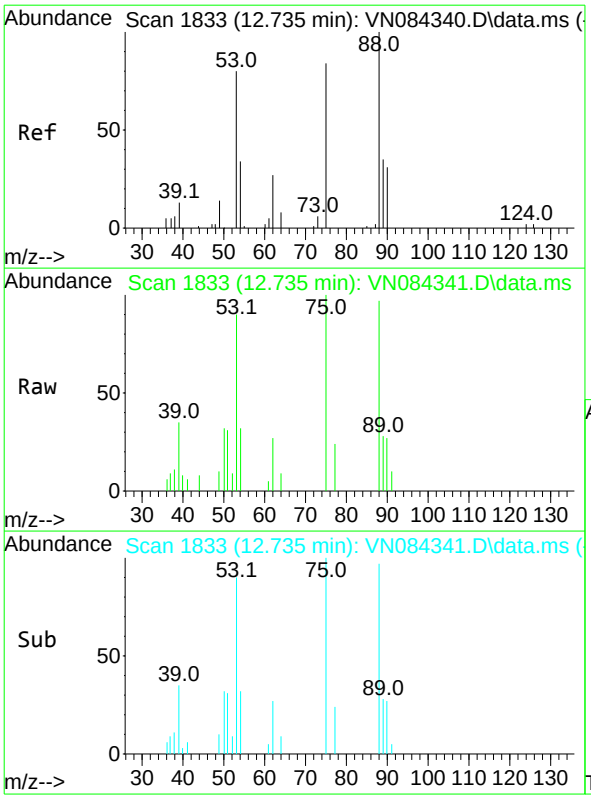


#76
1,3,5-Trimethylbenzene
Concen: 4.410 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 37234

Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	94.4

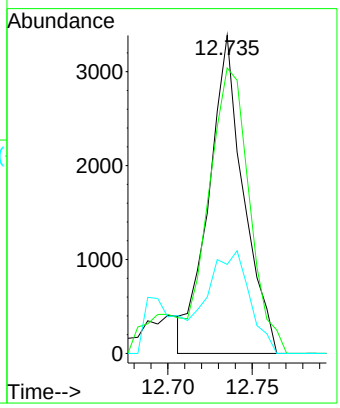




#77
t-1,4-Dichloro-2-butene
Concen: 4.245 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 4820

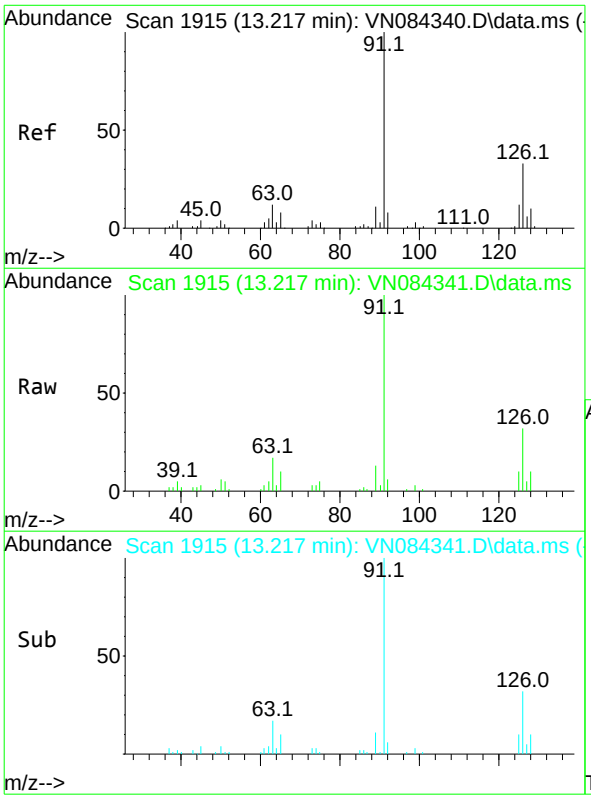
Ion	Ratio	Lower	Upper
75	100		
53	82.4	47.3	142.0
89	28.0	22.9	68.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

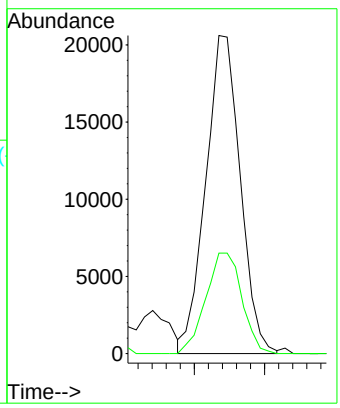
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

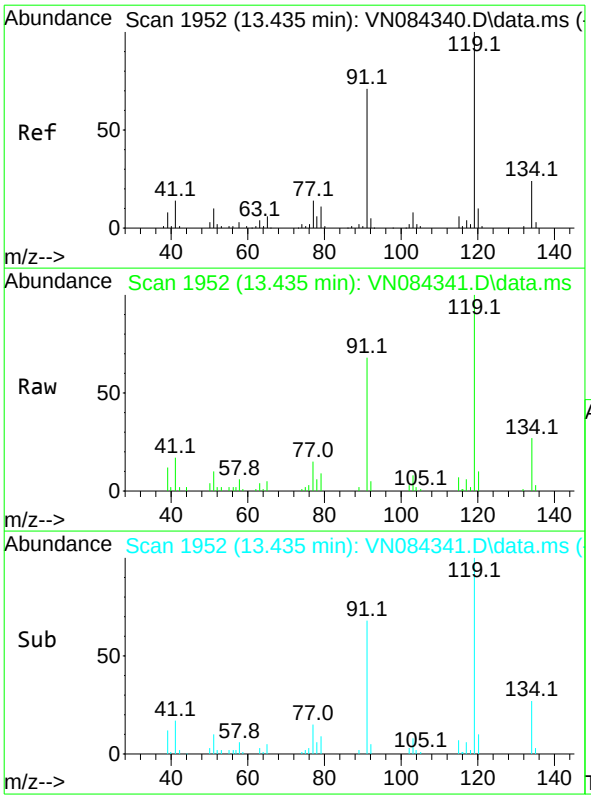


#78
4-Chlorotoluene
Concen: 4.653 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 35132

Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	62.4

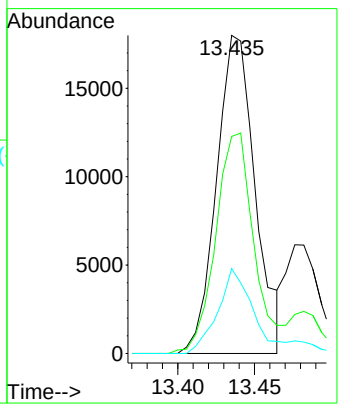




#79
tert-butylbenzene
Concen: 4.384 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:119 Resp: 31579

Ion	Ratio	Lower	Upper
119	100		
91	67.7	0.0	138.0
134	23.7	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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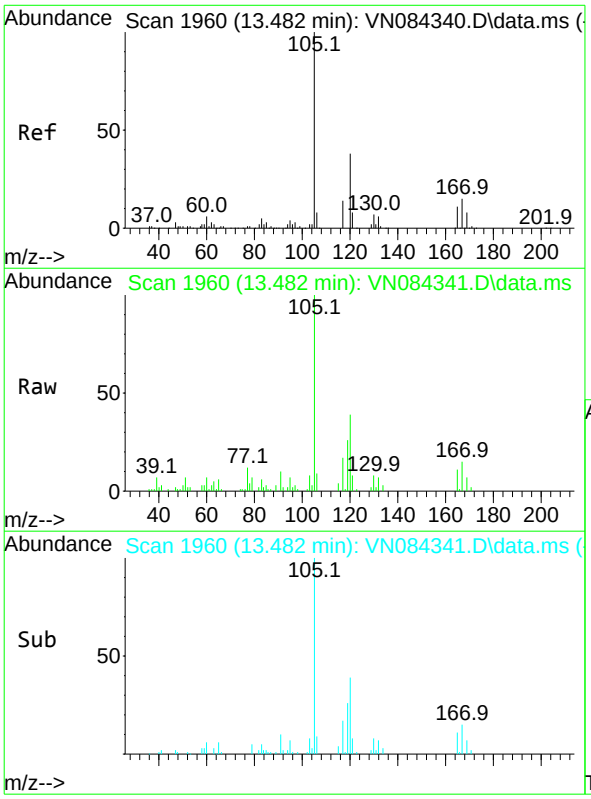
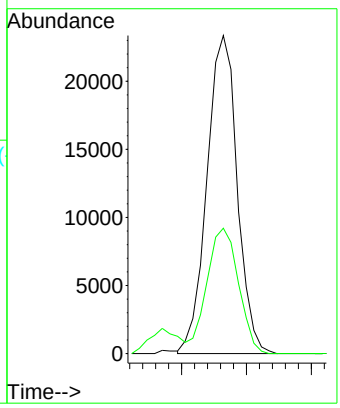
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

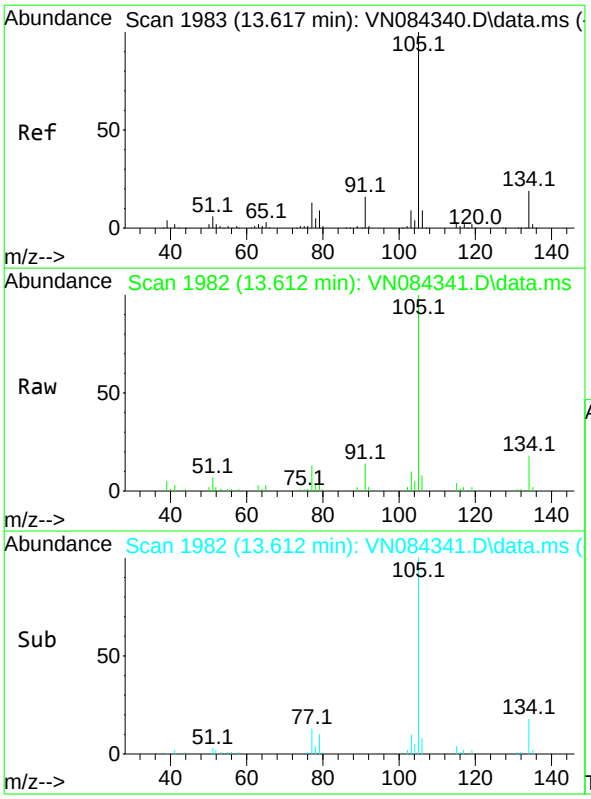


#80
1,2,4-Trimethylbenzene
Concen: 4.427 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 37927

Ion	Ratio	Lower	Upper
105	100		
120	41.2	0.0	88.8

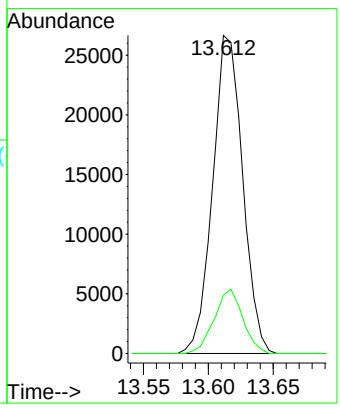




#81
sec-Butylbenzene
Concen: 4.321 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 42859

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 10/09/2024
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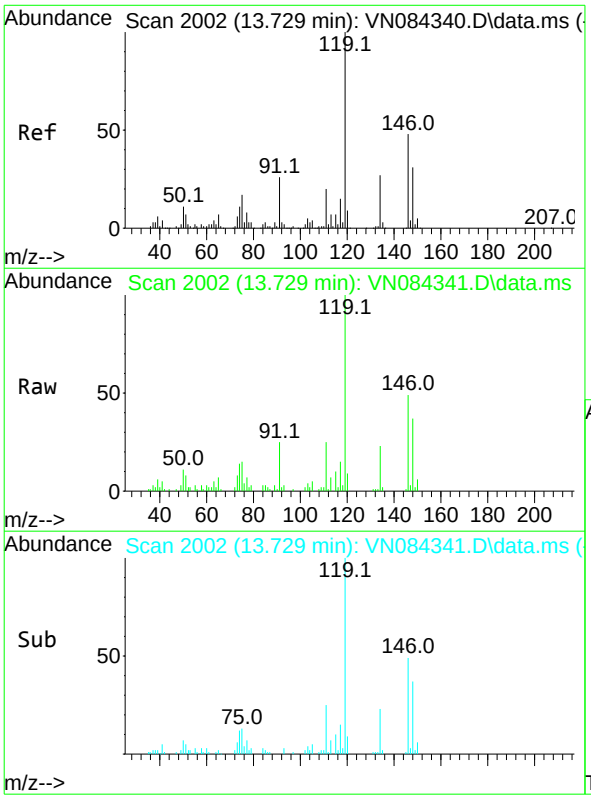
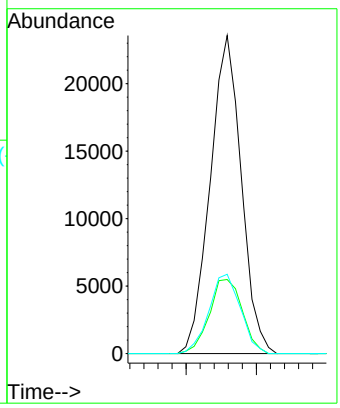
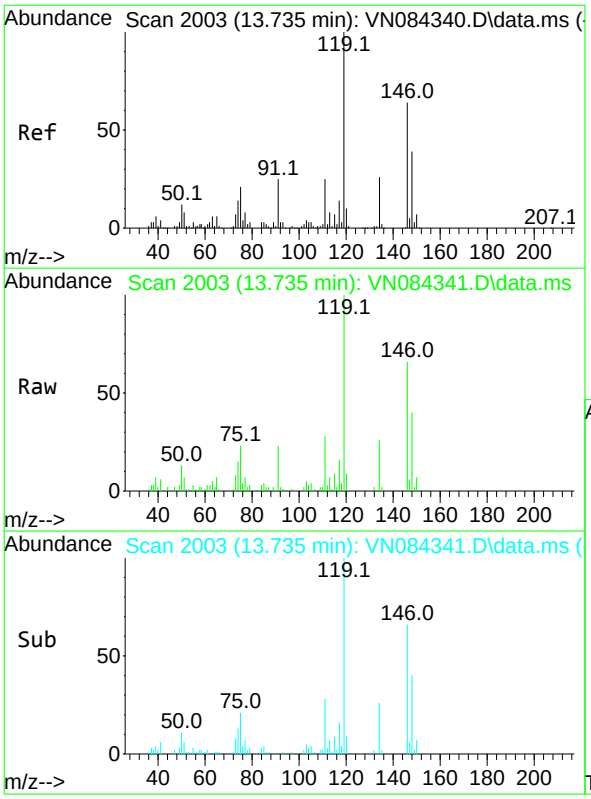


#82
p-Isopropyltoluene
Concen: 4.335 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:119 Resp: 36191

Ion	Ratio	Lower	Upper
119	100		
134	24.8	0.0	50.2
91	25.4	0.0	50.6

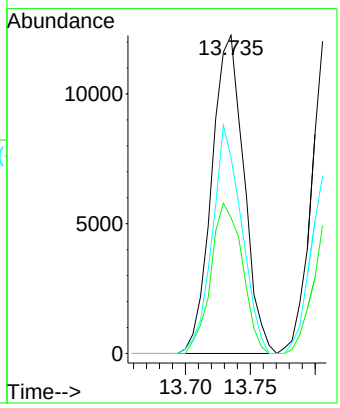




#83
1,3-Dichlorobenzene
Concen: 4.675 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:146 Resp: 21112

Ion	Ratio	Lower	Upper
146	100		
111	46.3	20.6	61.9
148	65.3	31.6	94.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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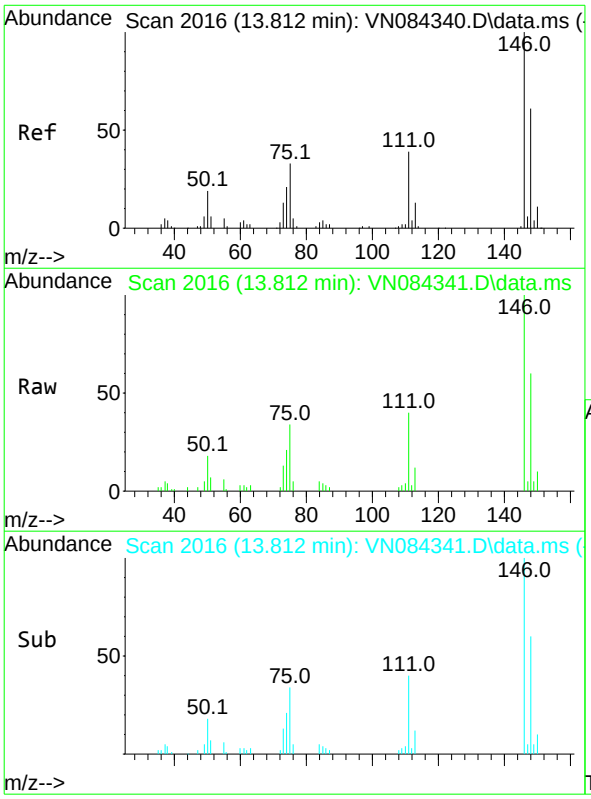
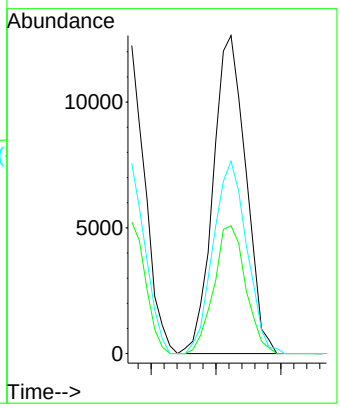
Supervised By :Mahesh Dadoda 10/09/2024

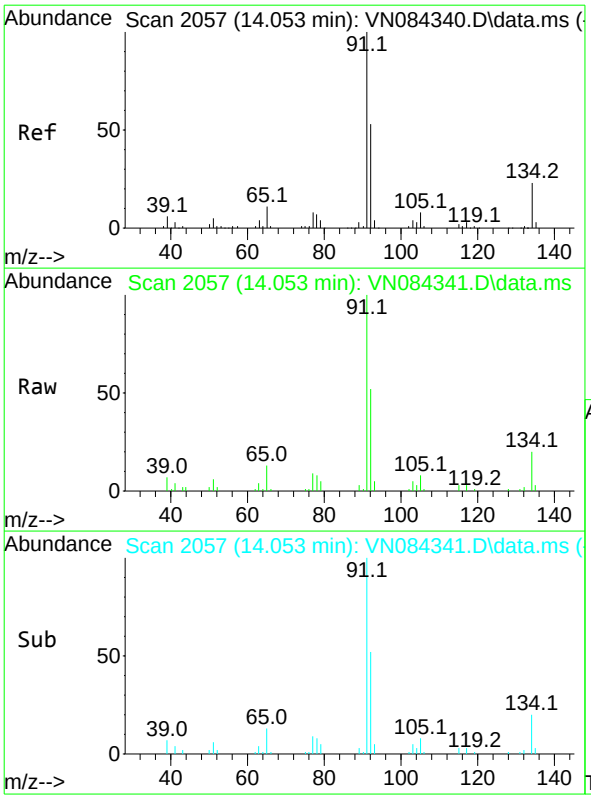


#84
1,4-Dichlorobenzene
Concen: 4.932 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:146 Resp: 22118

Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.5	61.5
148	62.1	32.5	97.4

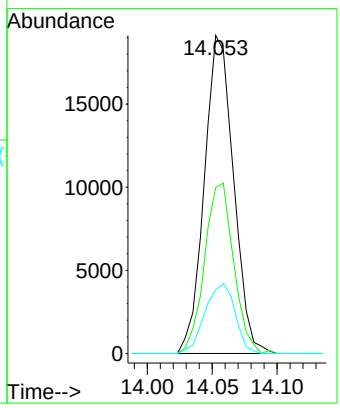




#85
n-Butylbenzene
Concen: 4.148 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 29988

Ion	Ratio	Lower	Upper
91	100		
92	53.1	0.0	103.4
134	22.6	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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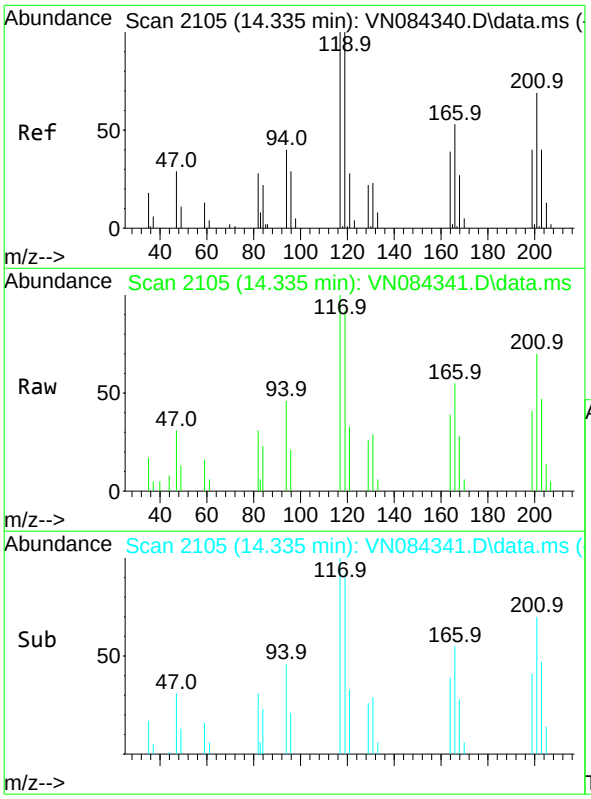
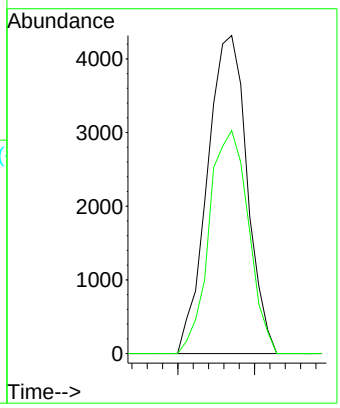
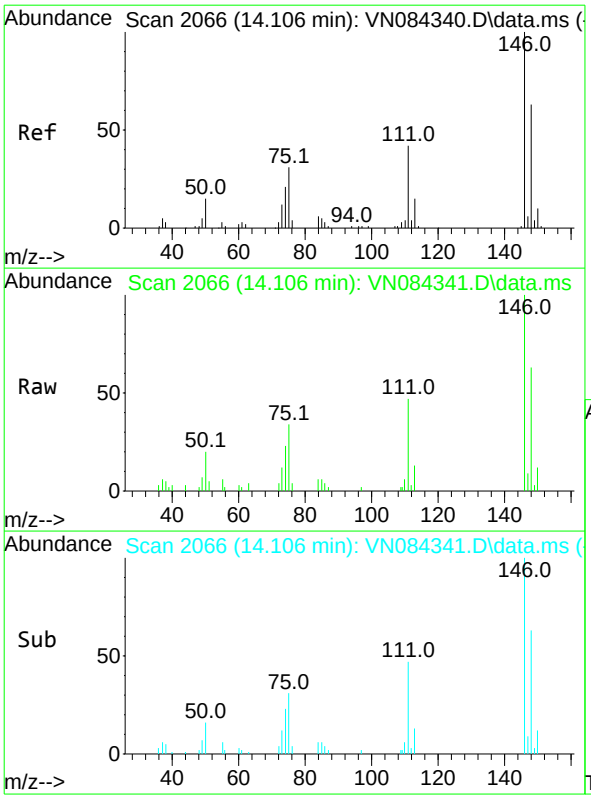


#86
Hexachloroethane
Concen: 4.837 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:117 Resp: 7779

Ion	Ratio	Lower	Upper
117	100		
201	69.0	33.9	101.6

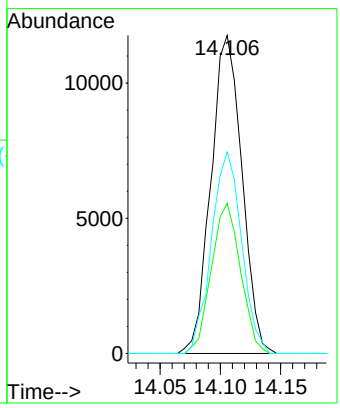




#87
1,2-Dichlorobenzene
Concen: 4.820 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:146 Resp: 21047

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.5
148	61.8	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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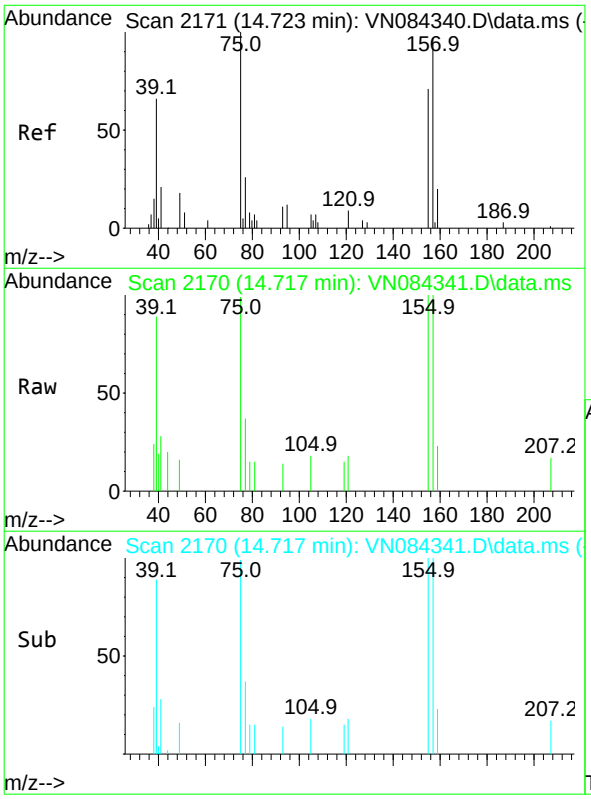
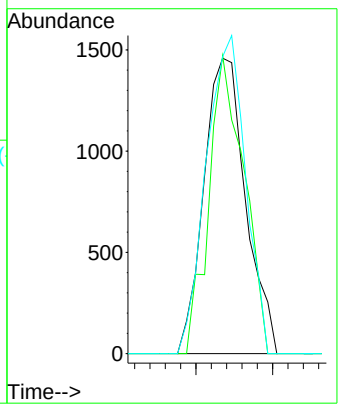
Supervised By :Mahesh Dadoda 10/09/2024

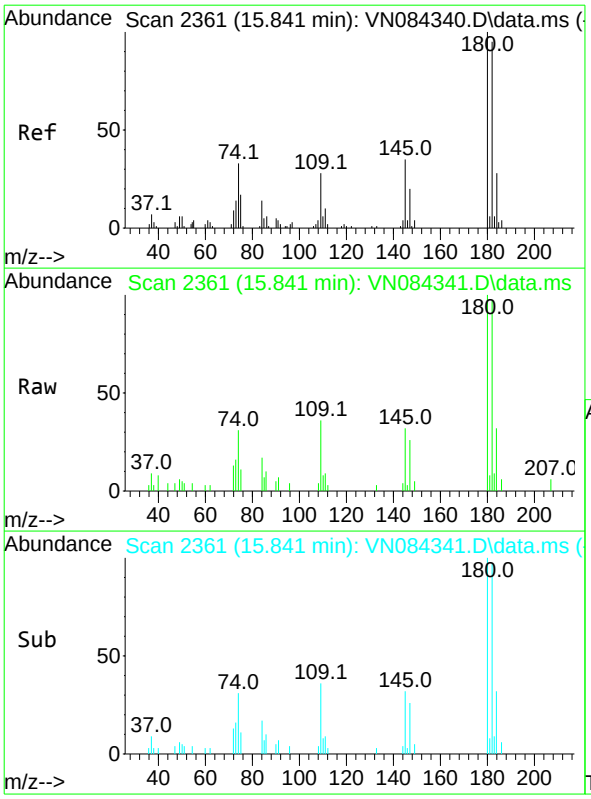


#88
1,2-Dibromo-3-Chloropropane
Concen: 4.352 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 2761

Ion	Ratio	Lower	Upper
75	100		
155	85.0	61.8	92.8
157	101.1	77.4	116.0

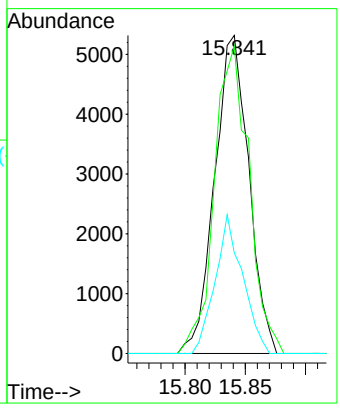




#89
1,2,4-Trichlorobenzene
Concen: 4.618 ug/l
RT: 15.841 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:180 Resp: 10483

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.8	116.6
145	35.2	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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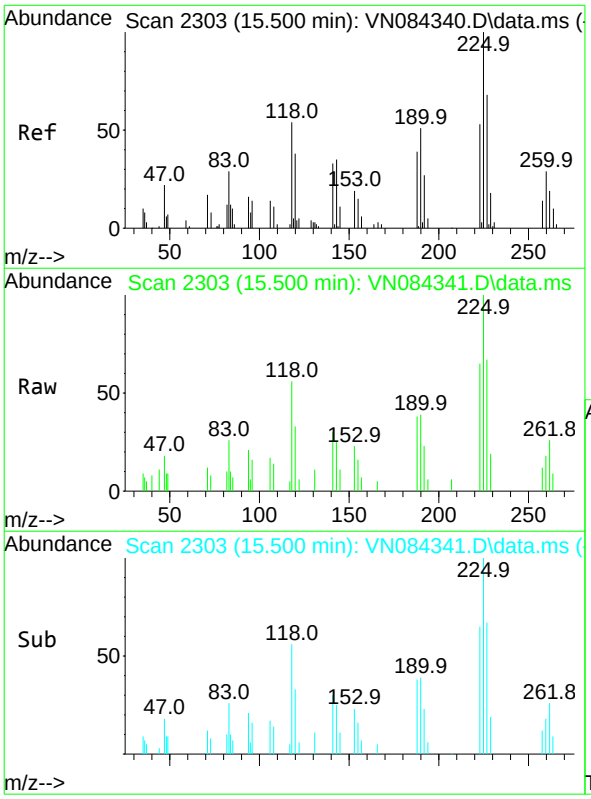
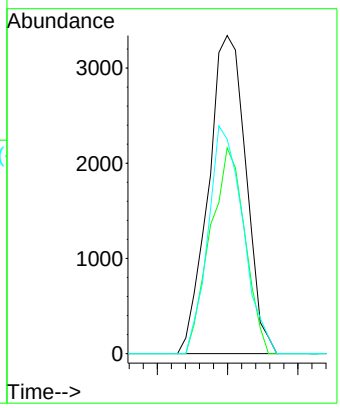
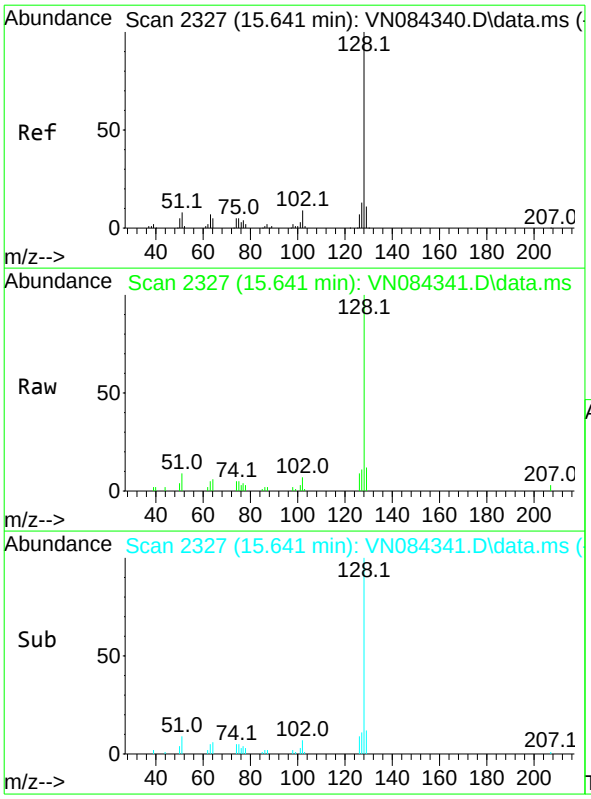


#90
Hexachlorobutadiene
Concen: 5.904 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:225 Resp: 6201

Ion	Ratio	Lower	Upper
225	100		
223	59.6	0.0	124.0
227	66.3	0.0	130.8

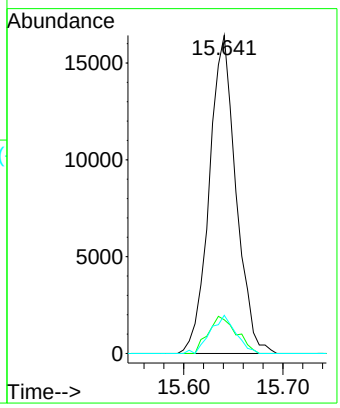




#91
Naphthalene
Concen: 3.998 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:128 Resp: 30757

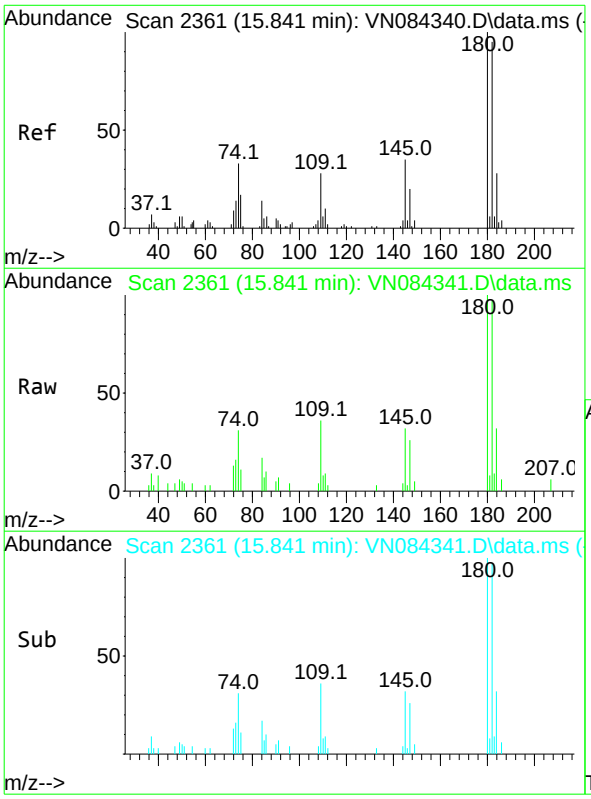
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	11.3	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

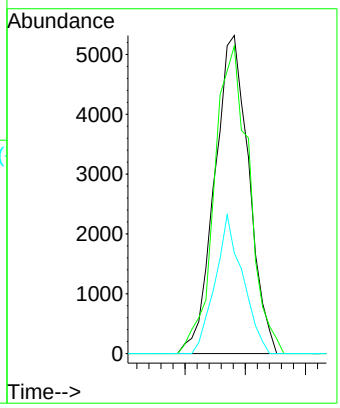
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 4.618 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:180 Resp: 10483

Ion	Ratio	Lower	Upper
180	100		
182	98.2	0.0	194.4
145	35.2	0.0	72.2



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Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	35827	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	193781	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	180191	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.582	65	86558	30.009	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%				
60) 4-Bromofluorobenzene	12.847	95	91549	30.784	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.600%				
63) Toluene-d8	10.565	98	253573	30.377	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.267%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	43254	19.774	ug/l		99
3) Chloromethane	2.365	50	49667	19.953	ug/l		98
4) Vinyl Chloride	2.512	62	49435	20.252	ug/l		99
5) Bromomethane	2.959	94	31882	19.713	ug/l		93
6) Chloroethane	3.118	64	32723	20.448	ug/l		92
7) Trichlorofluoromethane	3.500	101	77185	19.412	ug/l		91
8) Diethyl Ether	3.965	74	28565	19.540	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.377	101	45902	20.532	ug/l		98
10) 1,1-Dichloroethene	4.342	96	43131	19.334	ug/l		84
11) Methyl Iodide	4.594	142	56446	19.255	ug/l		99
12) Methyl Acetate	5.030	43	52991	18.975	ug/l		99
13) Acrolein	4.183	56	48906	94.270	ug/l		99
14) Acrylonitrile	5.718	53	116456	92.817	ug/l		98
15) Acetone	4.430	58	39824	111.112	ug/l		100
16) Carbon Disulfide	4.712	76	126253	19.006	ug/l		99
17) Allyl chloride	5.024	41	68924	19.060	ug/l		86
18) Methylene Chloride	5.271	84	50598	20.135	ug/l		97
19) trans-1,2-Dichloroethene	5.789	96	45883	19.434	ug/l		98
20) Diisopropyl ether	6.677	45	158301	20.360	ug/l		97
21) 1,1-Dichloroethane	6.565	63	88993	19.948	ug/l		98
22) cis-1,2-Dichloroethene	7.483	96	54789	19.943	ug/l		100
23) tert-Butyl Alcohol	5.524	59	43150	89.659	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	146831	19.696	ug/l	#	86
25) Chloroform	7.965	83	91875	20.334	ug/l		98
26) Cyclohexane	8.253	56	70636	18.931	ug/l	#	92
29) 1,1-Dichloropropene	8.371	75	63709	20.028	ug/l		99
30) 2-Butanone	7.483	43	170510	100.675	ug/l		99
31) 2,2-Dichloropropane	7.488	77	78528	21.007	ug/l	#	82
32) 1,1,1-Trichloroethane	8.165	97	83527	20.543	ug/l		99
33) Carbon Tetrachloride	8.365	117	70593	20.040	ug/l		97
34) Benzene	8.606	78	201095	20.195	ug/l		98
35) Methacrylonitrile	7.782	41	35261	19.515	ug/l		99
36) 1,2-Dichloroethane	8.671	62	67448	20.321	ug/l		99
37) Trichloroethene	9.353	130	46466	20.265	ug/l		92
38) Methylcyclohexane	9.600	83	69219	19.810	ug/l		98
39) 1,2-Dichloropropane	9.618	63	49546	20.404	ug/l		94
40) Dibromomethane	9.706	93	34353	20.242	ug/l		98
41) Bromodichloromethane	9.888	83	72371	20.087	ug/l		92
42) Vinyl Acetate	6.606	43	581959	98.798	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	63334m	18.961 ug/l	
44) Isopropyl Acetate	8.688	43	106167	19.419 ug/l	100
45) 1,4-Dioxane	9.700	88	17788	360.927 ug/l	96
46) Methyl methacrylate	9.682	41	51122	19.353 ug/l	97
47) n-amyl Acetate	12.494	43	94442	19.421 ug/l	99
48) t-1,3-Dichloropropene	10.835	75	74857	20.107 ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	80340	20.591 ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	45700	20.034 ug/l	99
51) Ethyl methacrylate	10.871	69	73999	19.639 ug/l	97
52) 1,3-Dichloropropane	11.159	76	80053	20.070 ug/l	100
53) Dibromochloromethane	11.359	129	54490	20.221 ug/l	99
54) 1,2-Dibromoethane	11.470	107	45857	19.530 ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	150677	88.171 ug/l	99
56) Bromoform	12.576	173	35946	20.113 ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	326914	97.392 ug/l	99
59) 2-Hexanone	11.194	43	248144	99.486 ug/l	99
61) Tetrachloroethene	11.100	164	41736	20.477 ug/l	95
62) Toluene	10.629	91	216792	20.551 ug/l	98
64) Chlorobenzene	11.894	112	131028	19.960 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	45996	20.169 ug/l	100
66) Ethyl Benzene	11.965	91	229654	20.038 ug/l	95
67) m/p-Xylenes	12.070	106	179863	41.370 ug/l	98
68) o-Xylene	12.394	106	84107	20.070 ug/l	99
69) Styrene	12.412	104	144766	20.124 ug/l	100
70) Isopropylbenzene	12.694	105	213142	19.923 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	65966	19.932 ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	63849m	22.527 ug/l	
73) Bromobenzene	12.976	156	51798	19.992 ug/l	98
74) n-propylbenzene	13.035	91	260928	20.467 ug/l	100
75) 2-Chlorotoluene	13.123	91	158449	20.001 ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	181926	20.196 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22878	18.889 ug/l	98
78) 4-Chlorotoluene	13.217	91	161150	20.008 ug/l	99
79) tert-butylbenzene	13.435	119	155215	20.197 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	186446	20.399 ug/l	99
81) sec-Butylbenzene	13.617	105	212421	20.077 ug/l	99
82) p-Isopropyltoluene	13.729	119	178265	20.018 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	96137	19.955 ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	92714	19.380 ug/l	98
85) n-Butylbenzene	14.053	91	148207	19.215 ug/l	99
86) Hexachloroethane	14.335	117	34925	20.356 ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	91342	19.610 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12734	18.815 ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	43683	18.038 ug/l	99
90) Hexachlorobutadiene	15.500	225	21663	19.335 ug/l	98
91) Naphthalene	15.641	128	137791	16.790 ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	43683	18.038 ug/l	99

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

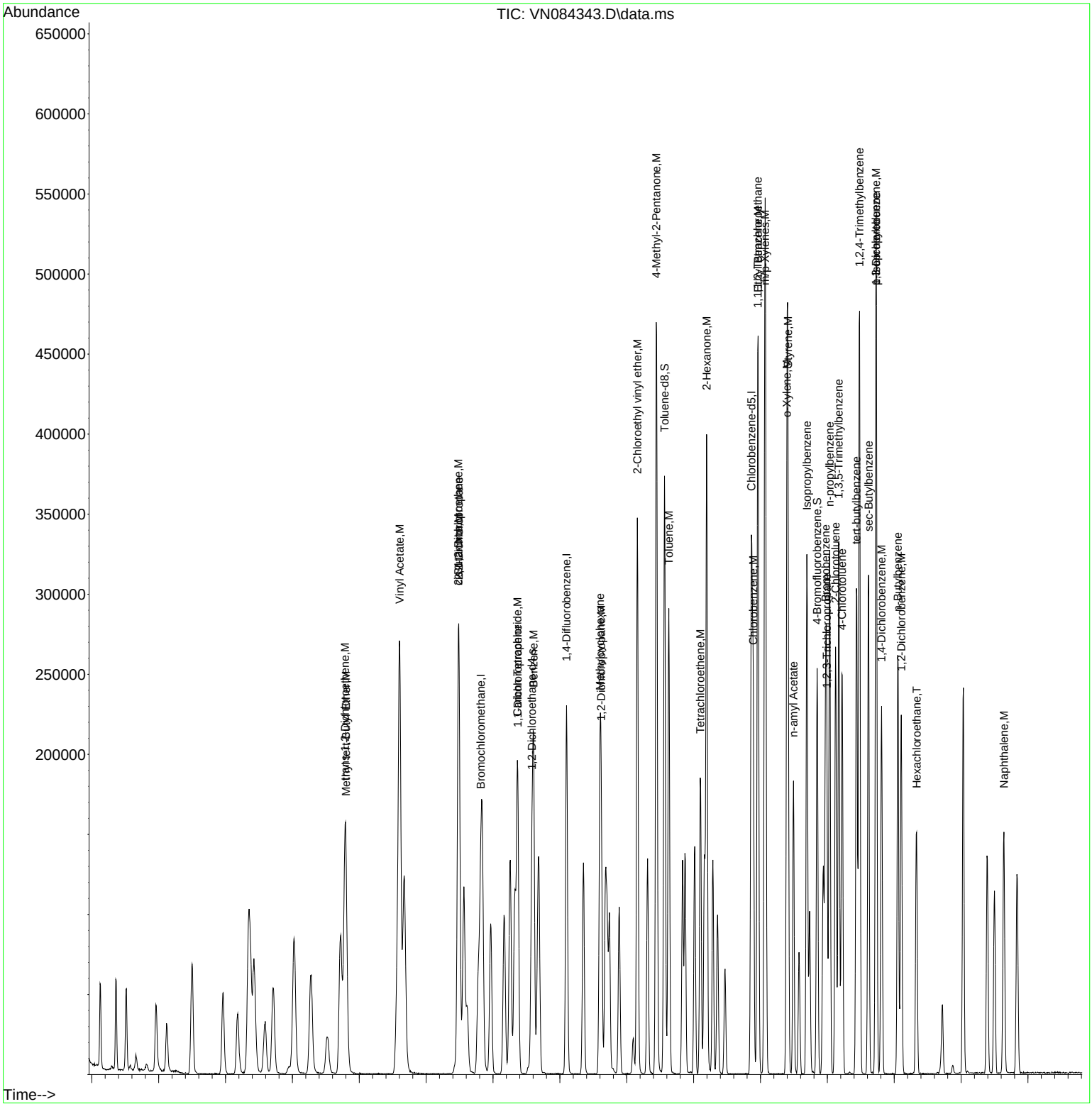
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

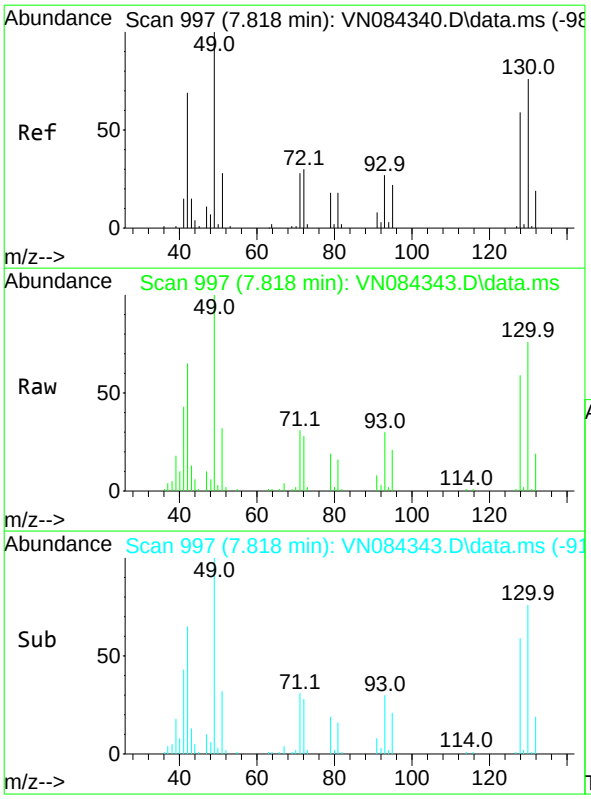
Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

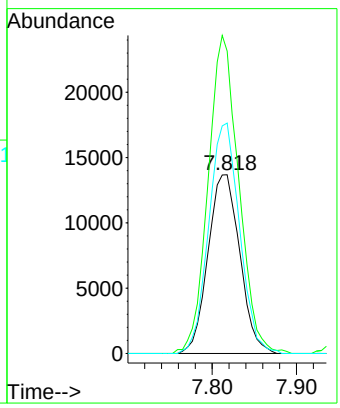




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:128 Resp: 35827

Ion	Ratio	Lower	Upper
128	100		
49	171.2	0.0	430.0
130	125.2	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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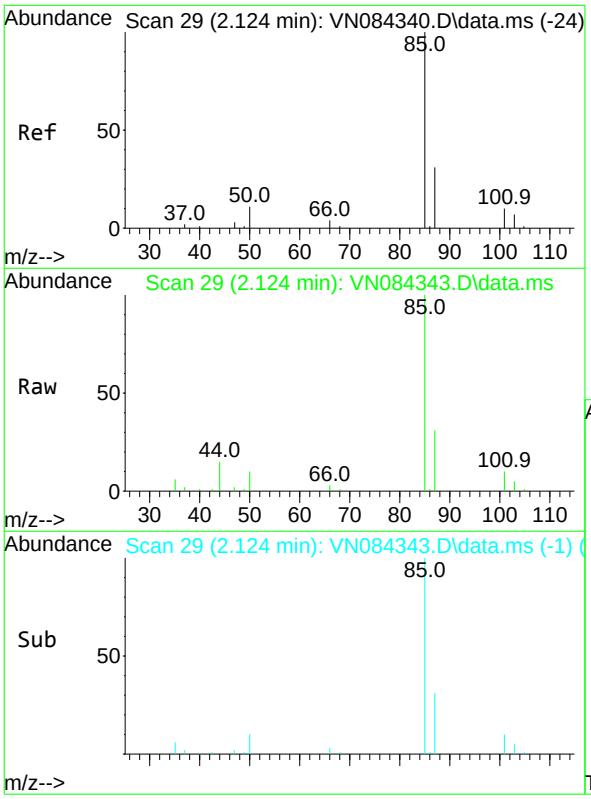
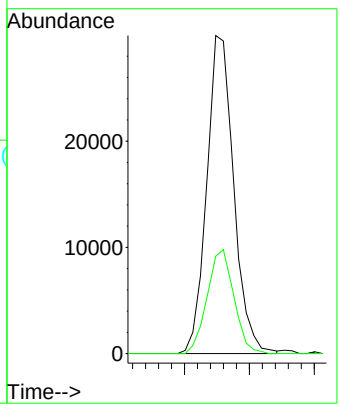
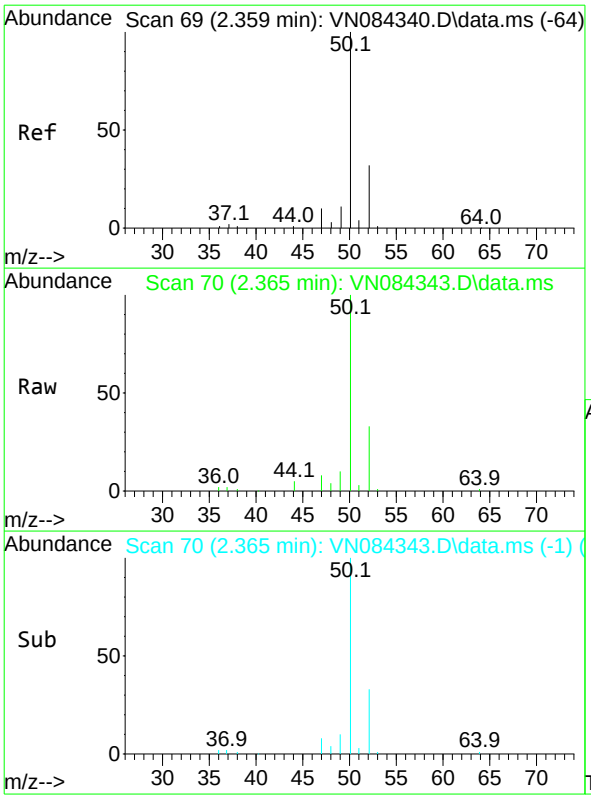


#2
Dichlorodifluoromethane
Concen: 19.774 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 85 Resp: 43254

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.4	46.4

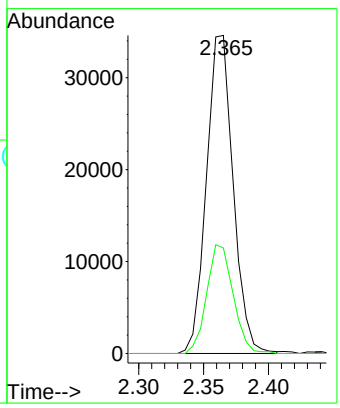




#3
Chloromethane
Concen: 19.953 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 50 Resp: 49667

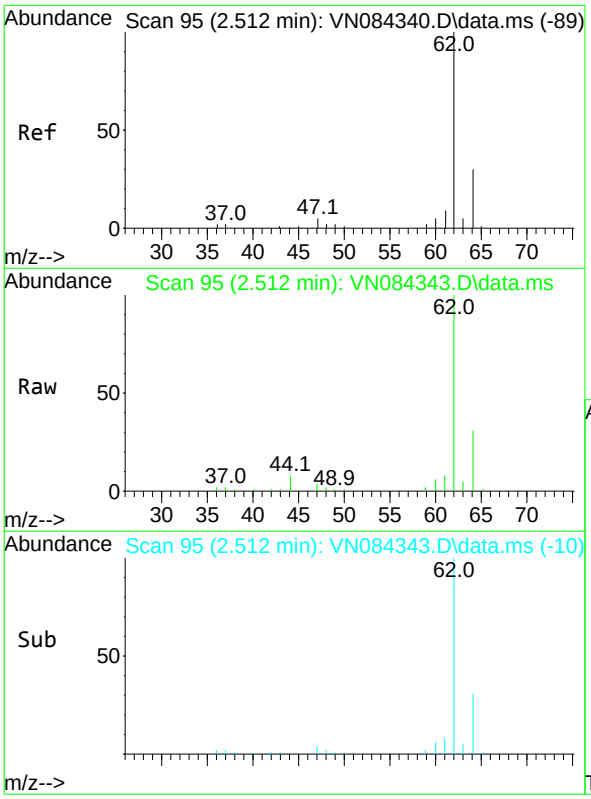
Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

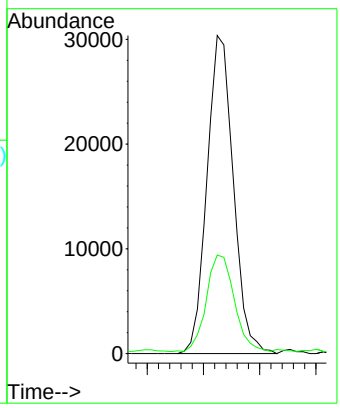
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

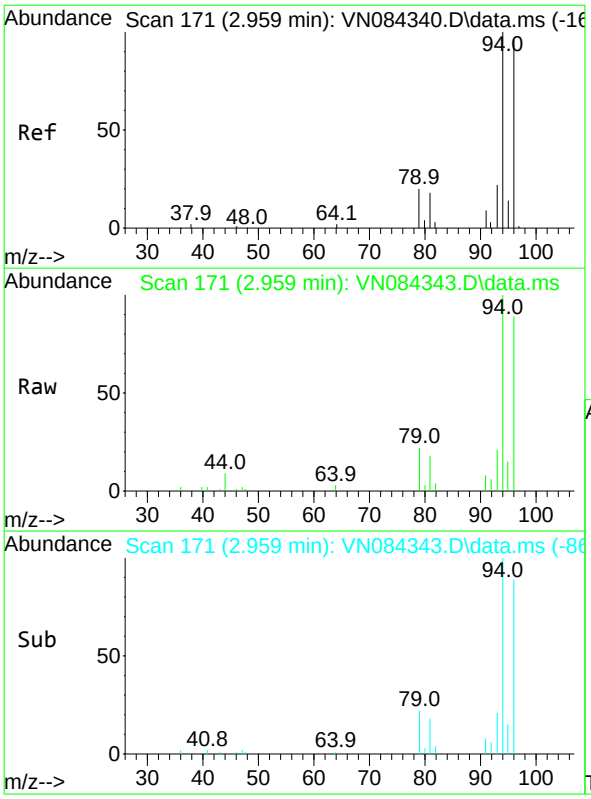


#4
Vinyl Chloride
Concen: 20.252 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 62 Resp: 49435

Ion	Ratio	Lower	Upper
62	100		
64	30.1	24.3	36.5

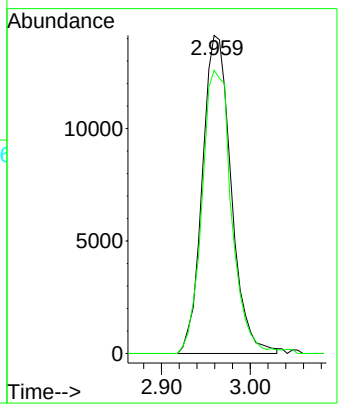




#5
Bromomethane
Concen: 19.713 ug/l
RT: 2.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 94 Resp: 31882

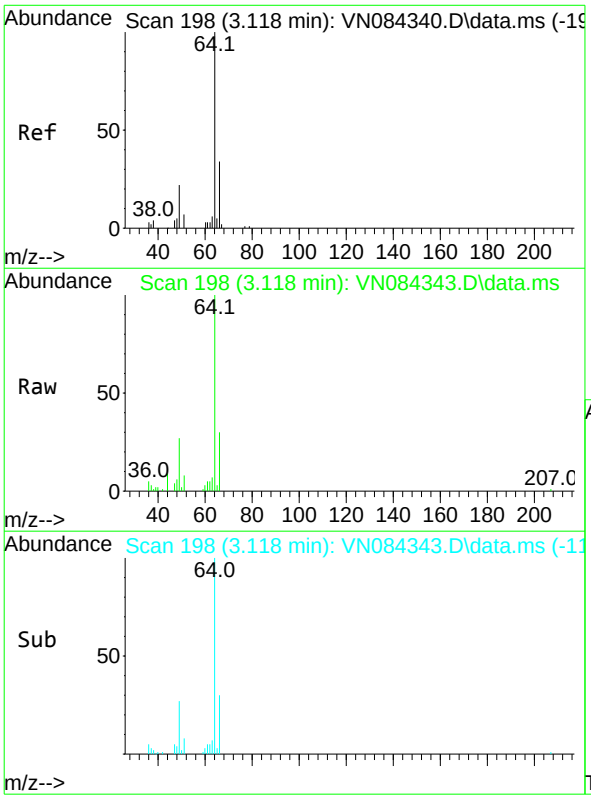
Ion	Ratio	Lower	Upper
94	100		
96	89.0	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

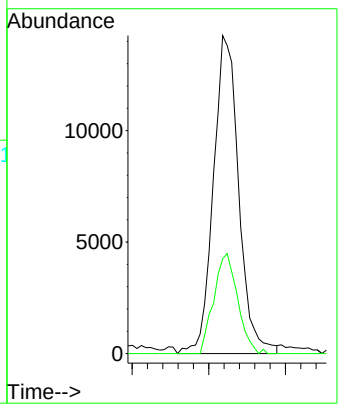
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

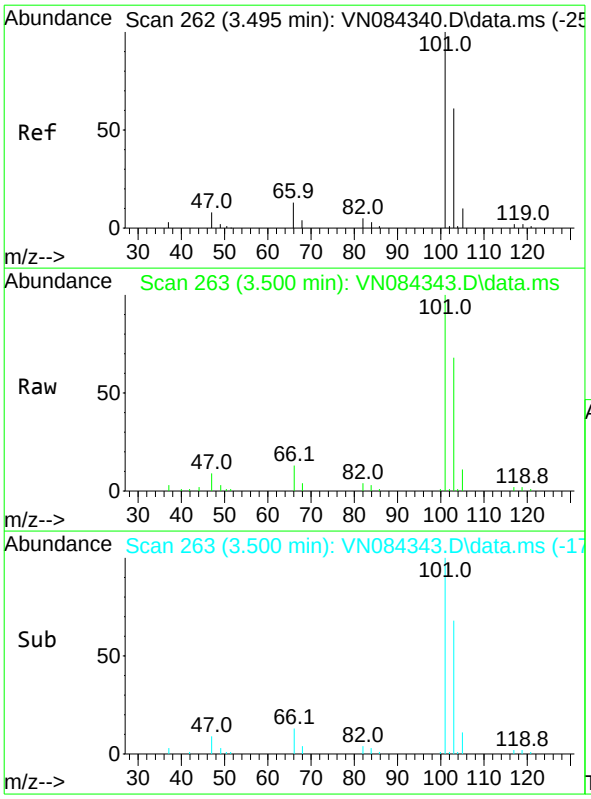


#6
Chloroethane
Concen: 20.448 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 64 Resp: 32723

Ion	Ratio	Lower	Upper
64	100		
66	29.8	27.7	41.5

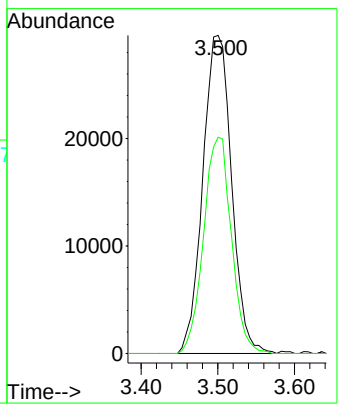




#7
Trichlorofluoromethane
Concen: 19.412 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:101 Resp: 77185

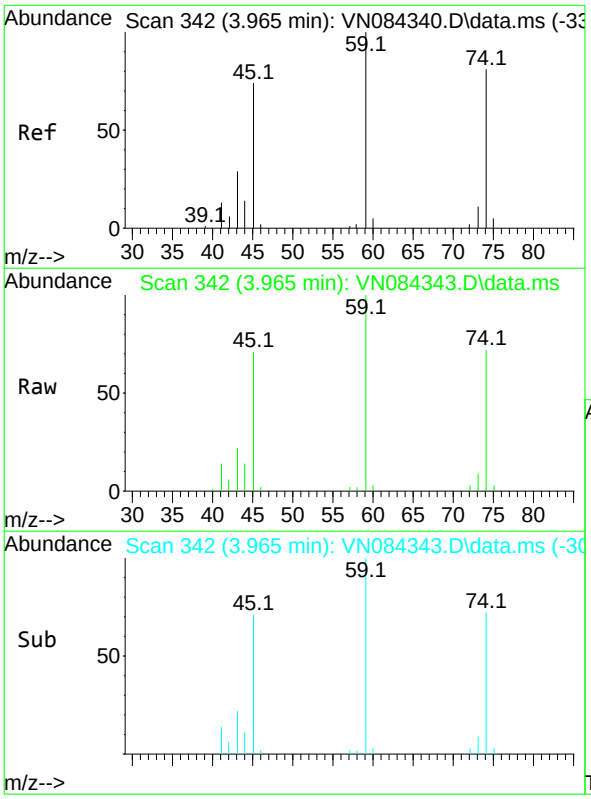
Ion	Ratio	Lower	Upper
101	100		
103	68.0	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

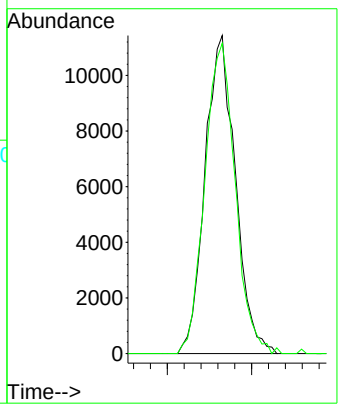
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

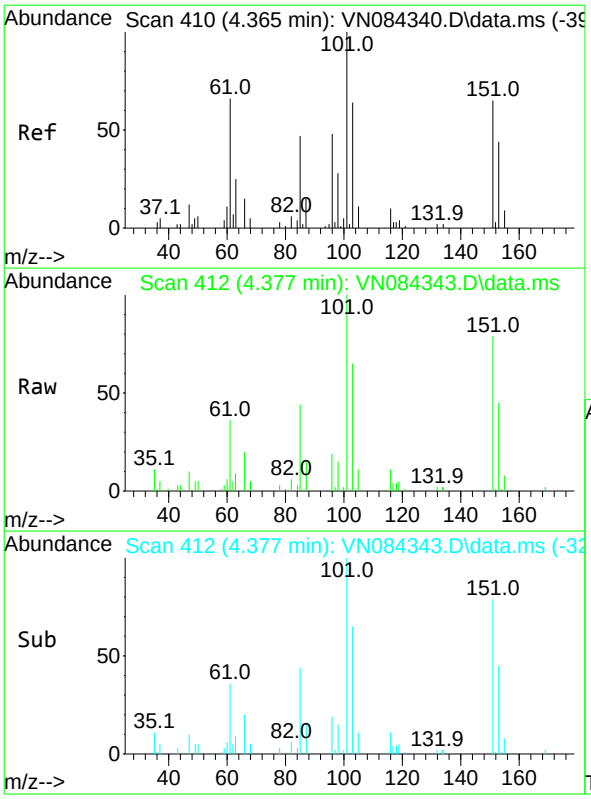


#8
Diethyl Ether
Concen: 19.540 ug/l
RT: 3.965 min Scan# 342
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 74 Resp: 28565

Ion	Ratio	Lower	Upper
74	100		
45	97.7	19.2	173.2

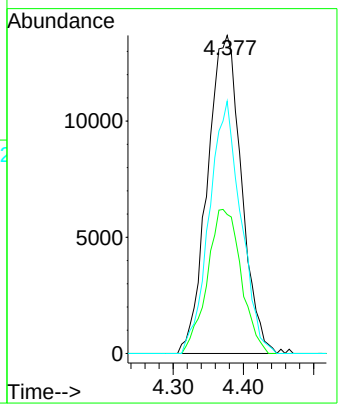




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.532 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:101 Resp: 45902

Ion	Ratio	Lower	Upper
101	100		
85	45.1	0.0	93.6
151	74.2	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2024
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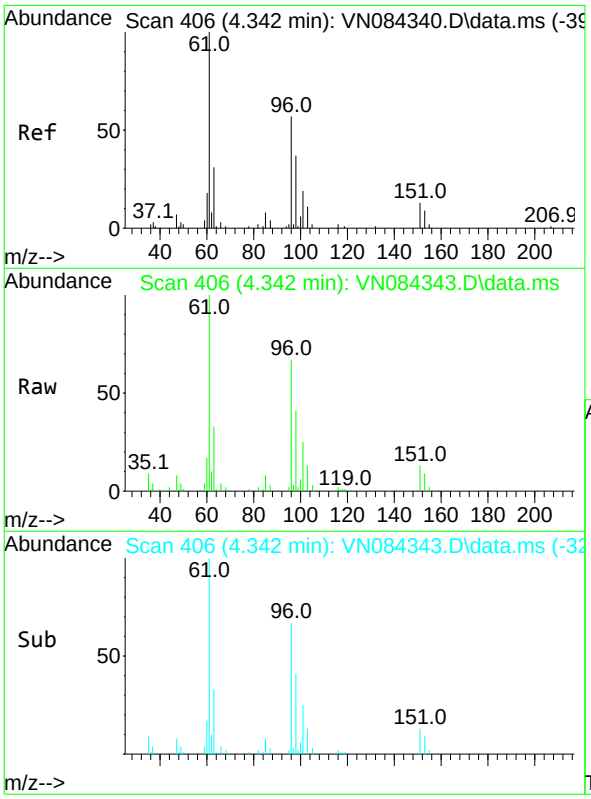
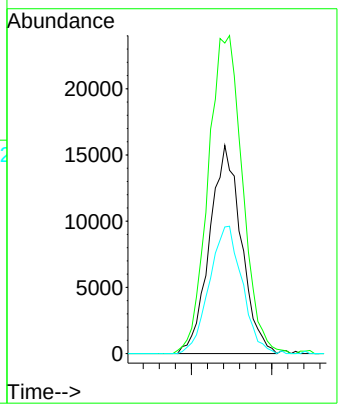
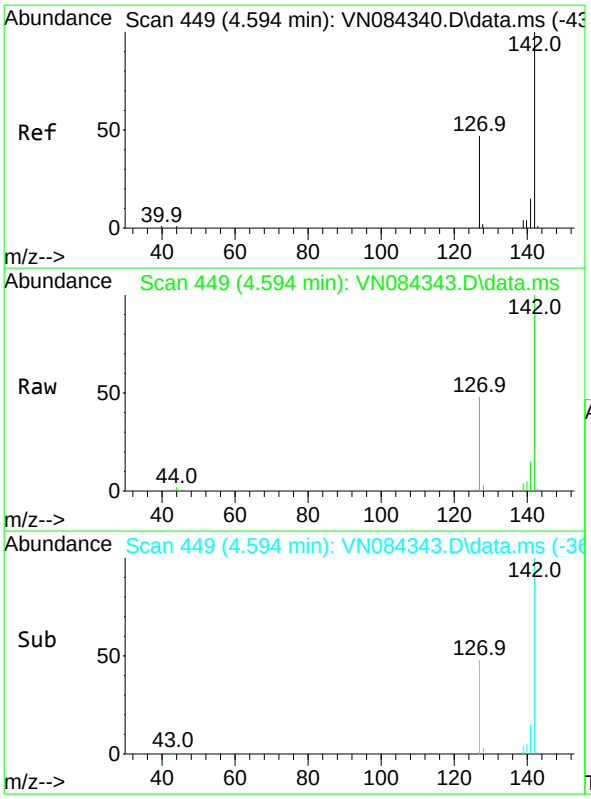


#10
1,1-Dichloroethene
Concen: 19.334 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 96 Resp: 43131

Ion	Ratio	Lower	Upper
96	100		
61	147.7	140.8	211.2
98	60.8	52.2	78.2

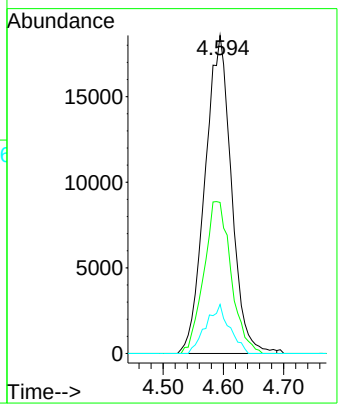




#11
Methyl Iodide
Concen: 19.255 ug/l
RT: 4.594 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:142 Resp: 56446

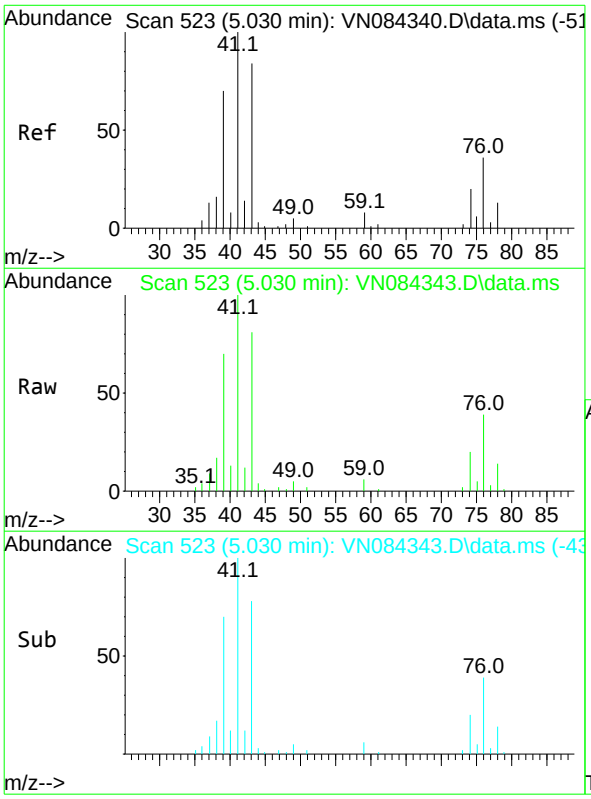
Ion	Ratio	Lower	Upper
142	100		
127	47.7	23.8	71.4
141	15.5	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

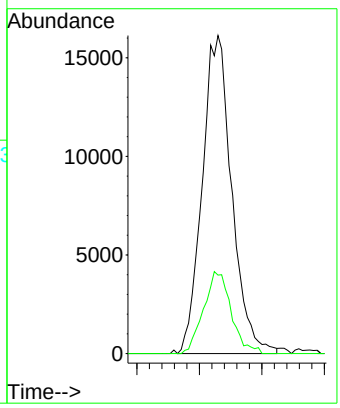
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

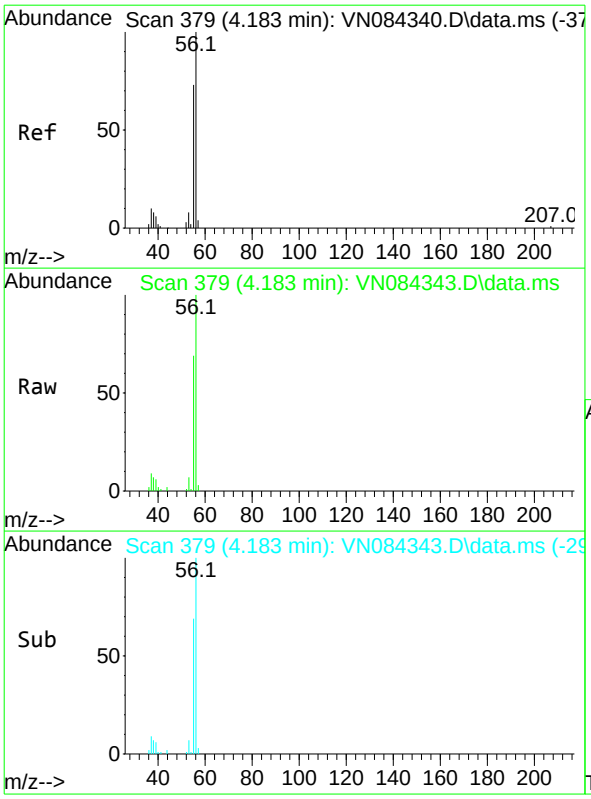


#12
Methyl Acetate
Concen: 18.975 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 52991

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.4	29.2

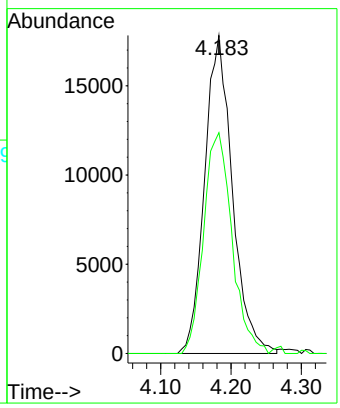




#13
Acrolein
Concen: 94.270 ug/l
RT: 4.183 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 56 Resp: 48906

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.4	84.6



Instrument :
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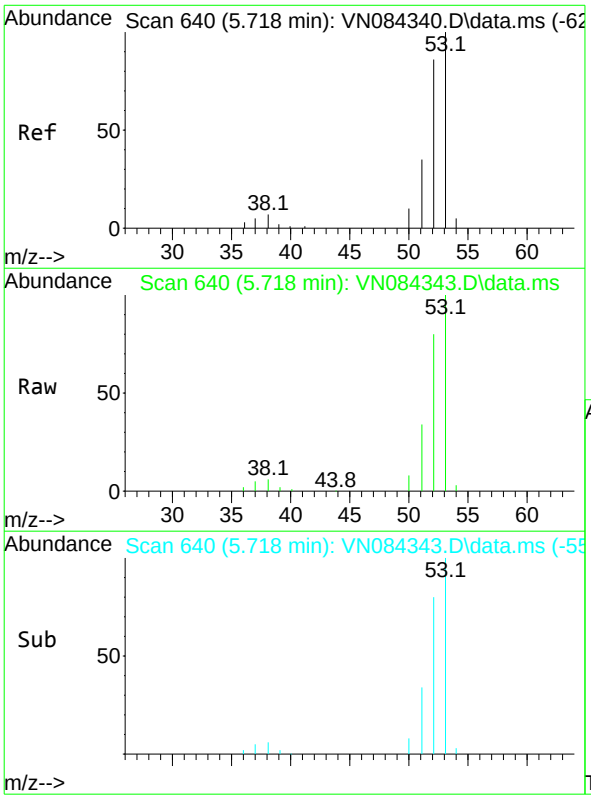
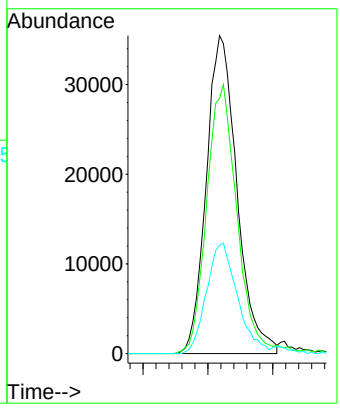
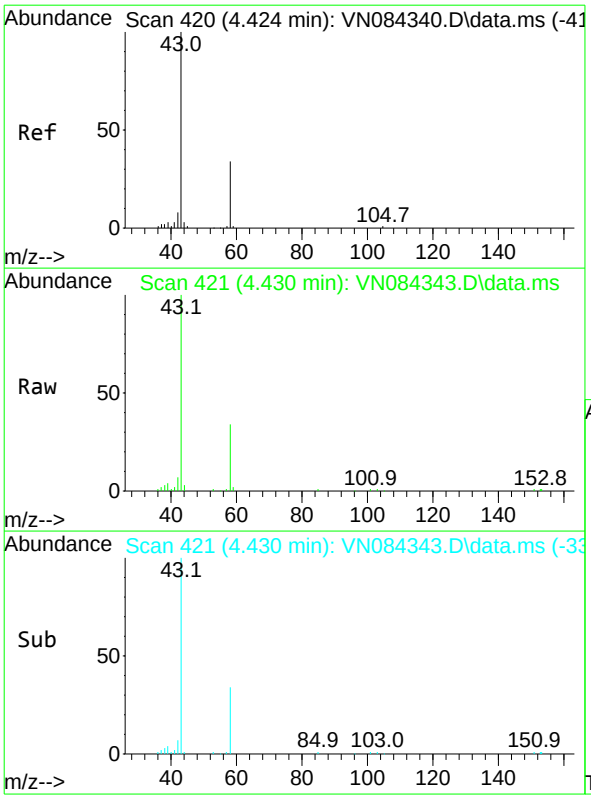


#14
Acrylonitrile
Concen: 92.817 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 53 Resp: 116456

Ion	Ratio	Lower	Upper
53	100		
52	82.6	40.4	121.2
51	35.0	17.8	53.4

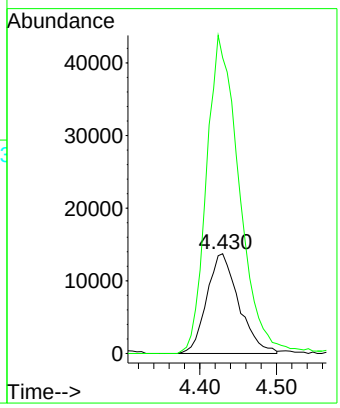




#15
Acetone
Concen: 111.112 ug/l
RT: 4.430 min Scan# 42
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 58 Resp: 39824

Ion	Ratio	Lower	Upper
58	100		
43	296.4	237.5	356.3



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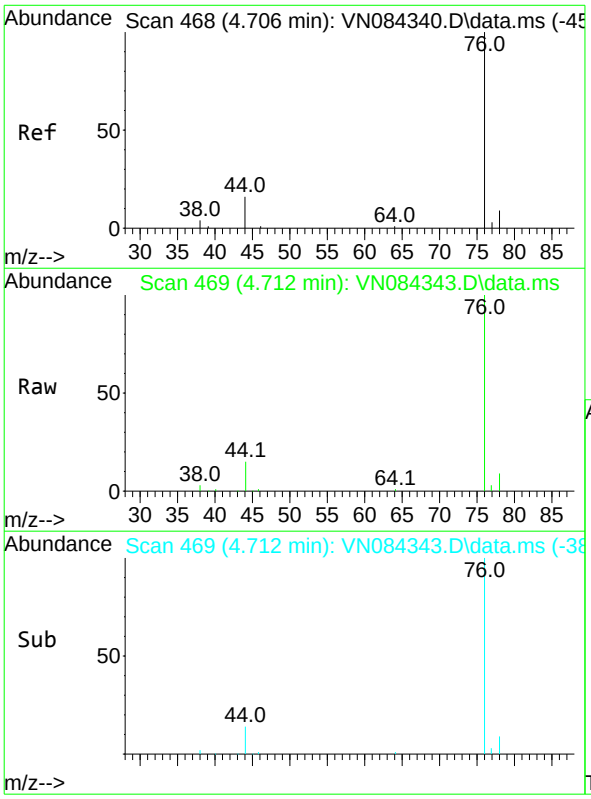
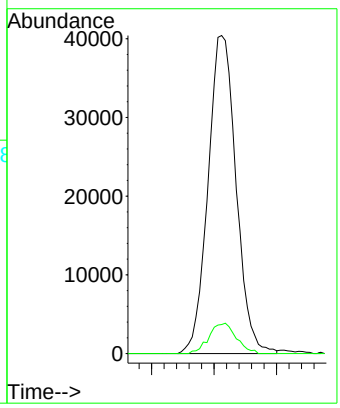
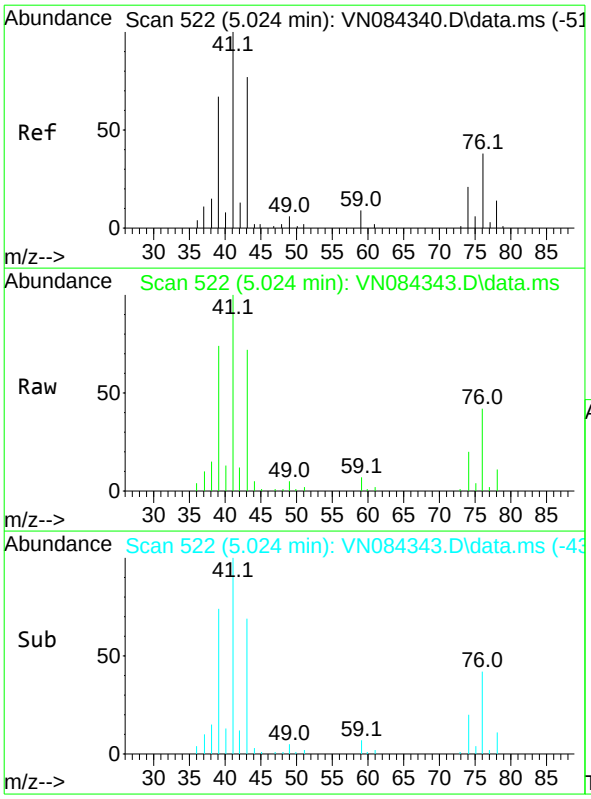


#16
Carbon Disulfide
Concen: 19.006 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 76 Resp: 126253

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

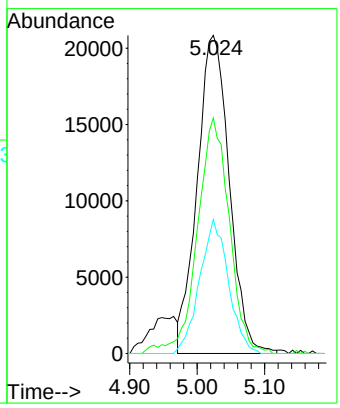




#17
Allyl chloride
Concen: 19.060 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 41 Resp: 68924

Ion	Ratio	Lower	Upper
41	100		
39	74.8	31.4	94.3
76	42.5	17.8	53.5



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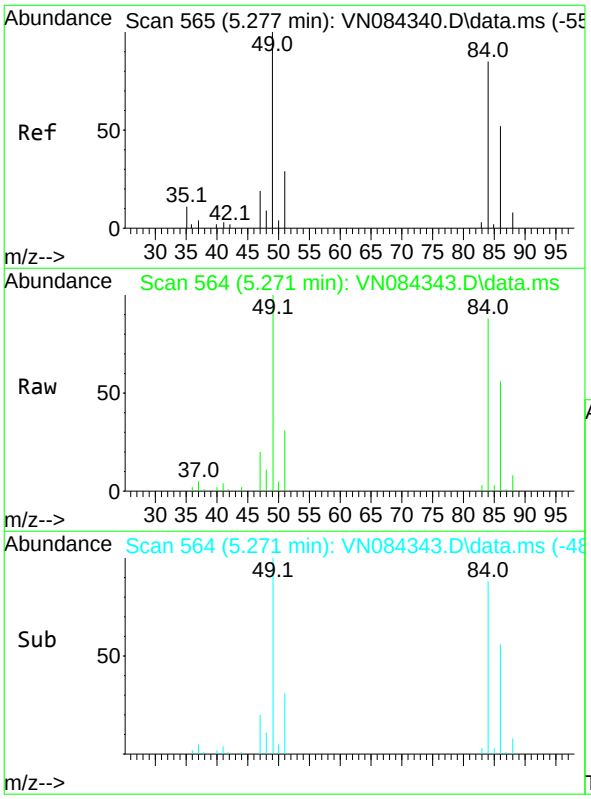
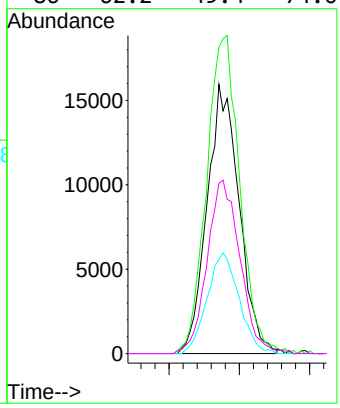
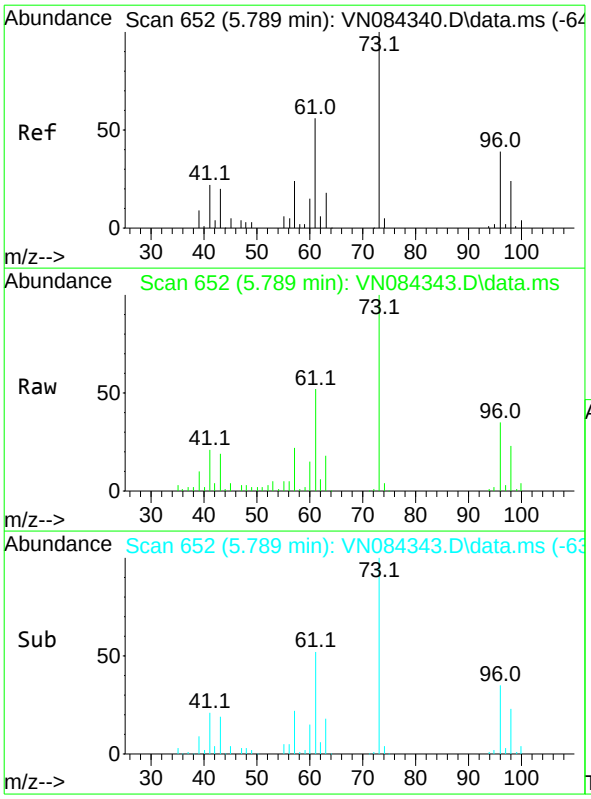


#18
Methylene Chloride
Concen: 20.135 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 84 Resp: 50598

Ion	Ratio	Lower	Upper
84	100		
49	112.6	94.6	142.0
51	35.0	27.3	40.9
86	62.2	49.4	74.0

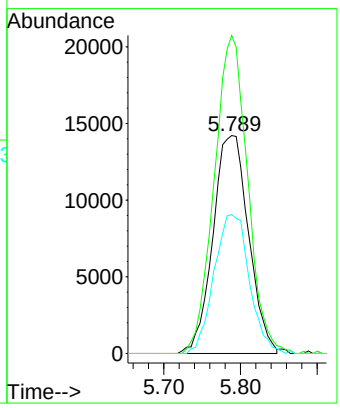




#19
trans-1,2-Dichloroethene
Concen: 19.434 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 96 Resp: 45883

Ion	Ratio	Lower	Upper
96	100		
61	146.0	115.8	173.6
98	63.8	49.4	74.0



Instrument :
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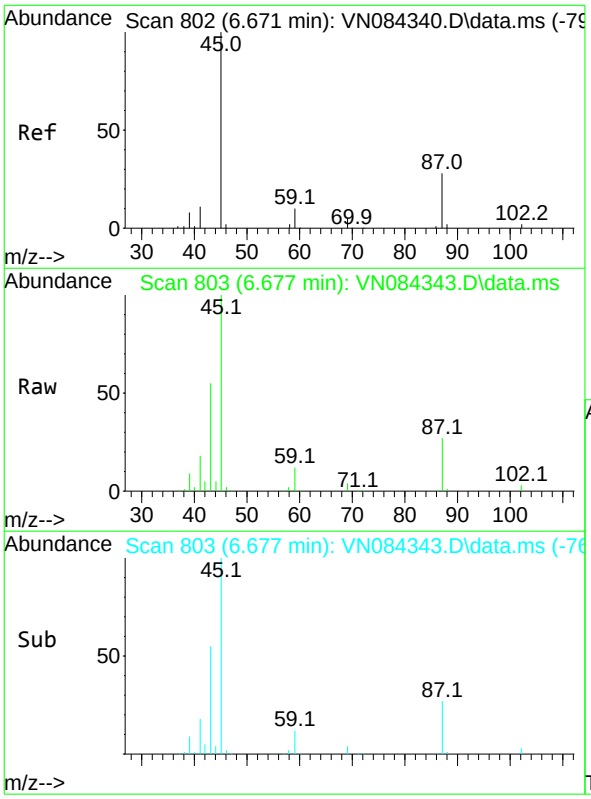
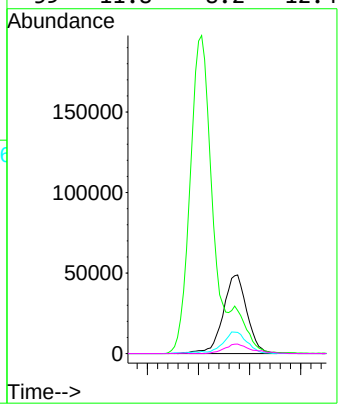
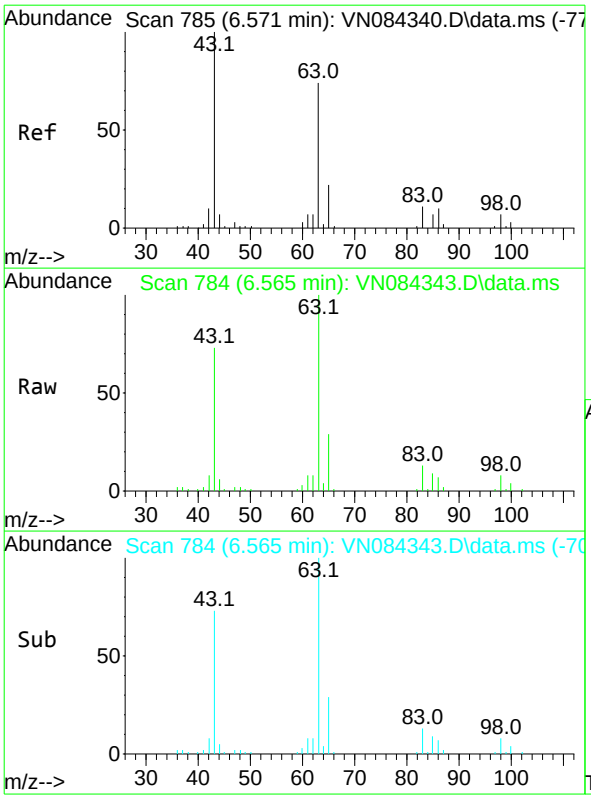


#20
Diisopropyl ether
Concen: 20.360 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 45 Resp: 158301

Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.7	65.5
87	26.9	23.1	34.7
59	11.8	8.2	12.4

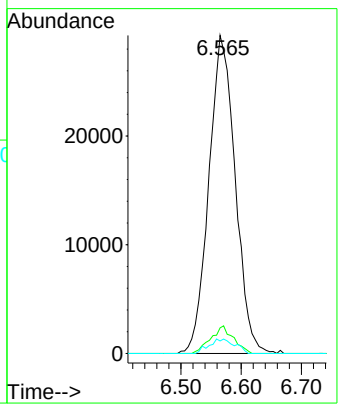




#21
1,1-Dichloroethane
Concen: 19.948 ug/l
RT: 6.565 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 63 Resp: 88993

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.5	13.4
100	3.9	2.1	6.3



Instrument :
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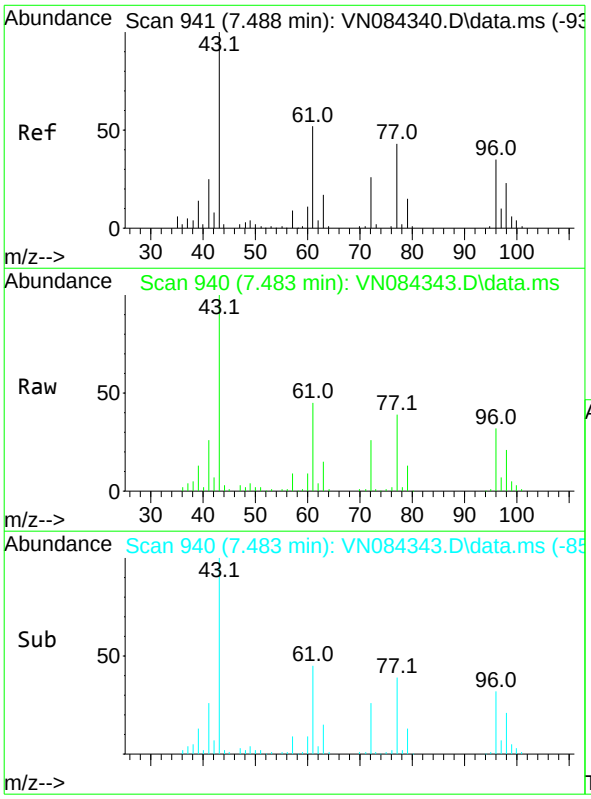
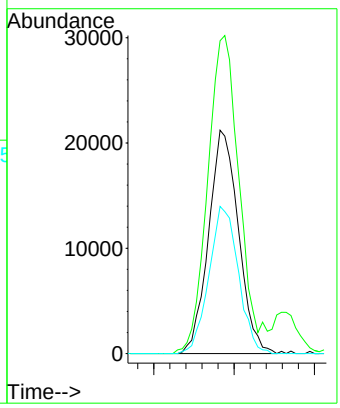
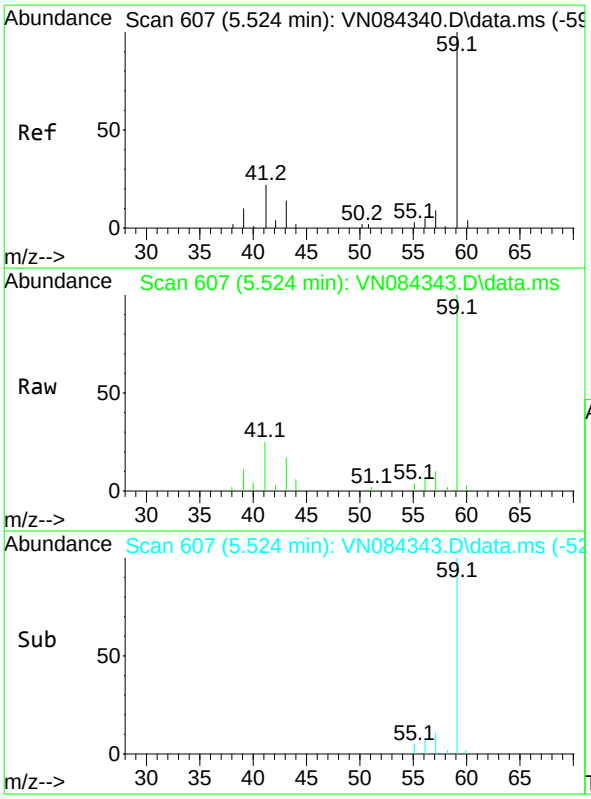


#22
cis-1,2-Dichloroethene
Concen: 19.943 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 96 Resp: 54789

Ion	Ratio	Lower	Upper
96	100		
61	147.5	118.0	177.0
98	64.9	51.8	77.8

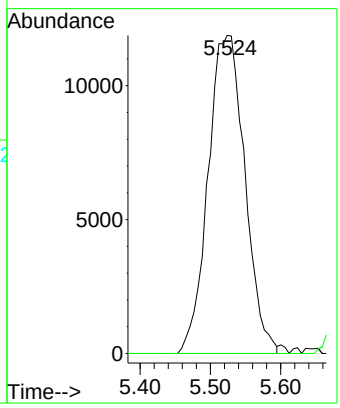




#23
tert-Butyl Alcohol
Concen: 89.659 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 59 Resp: 43150

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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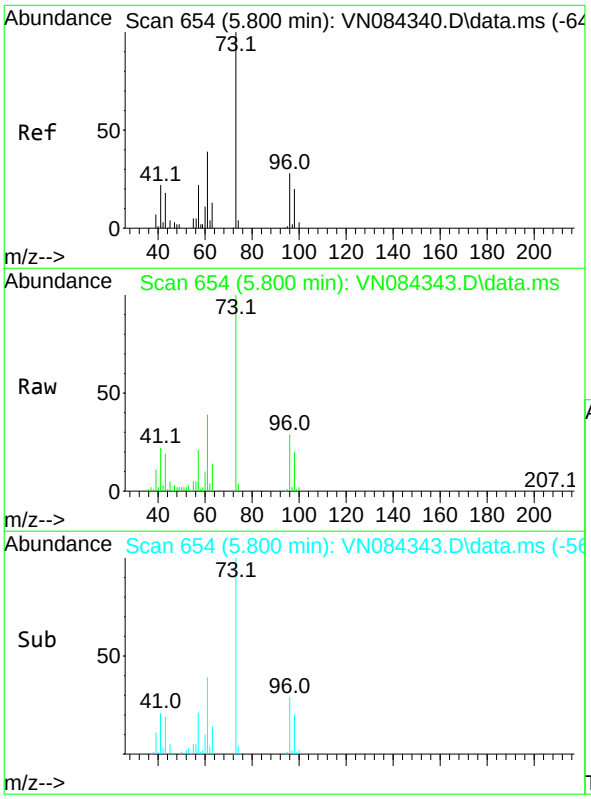
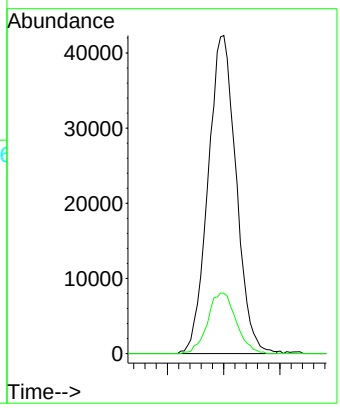
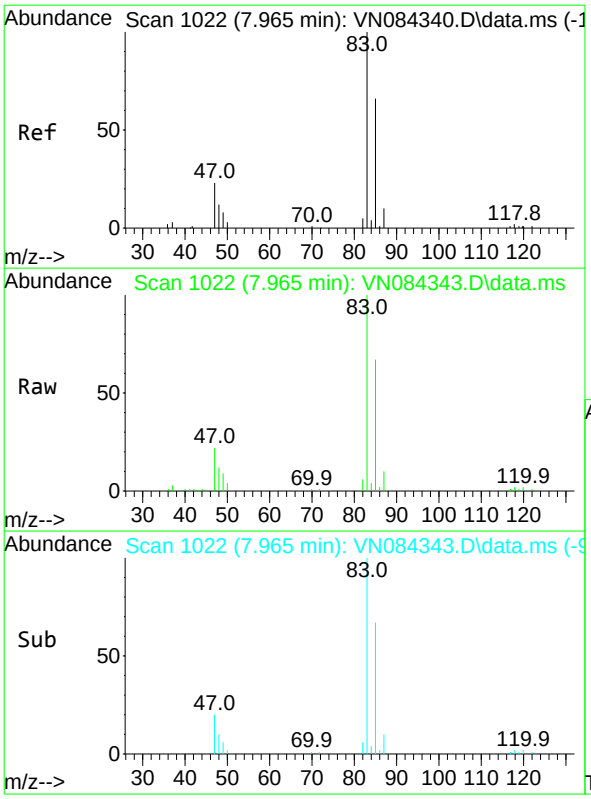


#24
Methyl tert-Butyl Ether
Concen: 19.696 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 73 Resp: 146831

Ion	Ratio	Lower	Upper
73	100		
43	19.2	10.9	16.3#

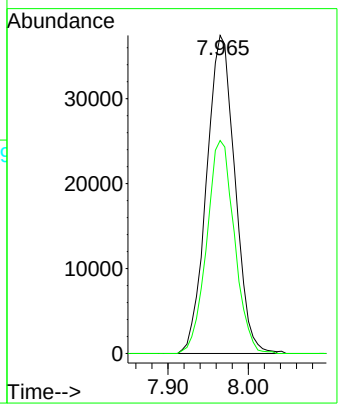




#25
Chloroform
Concen: 20.334 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 83 Resp: 91875

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6



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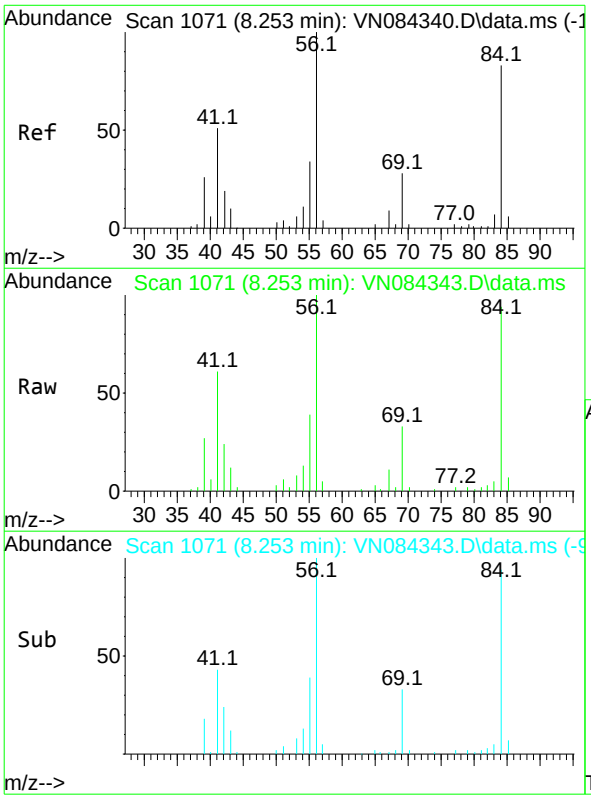
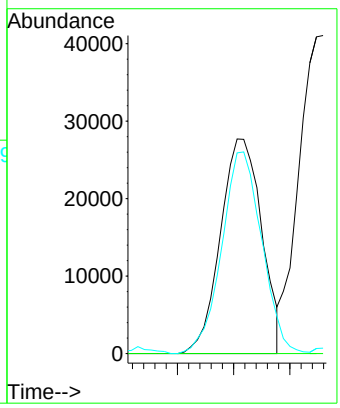
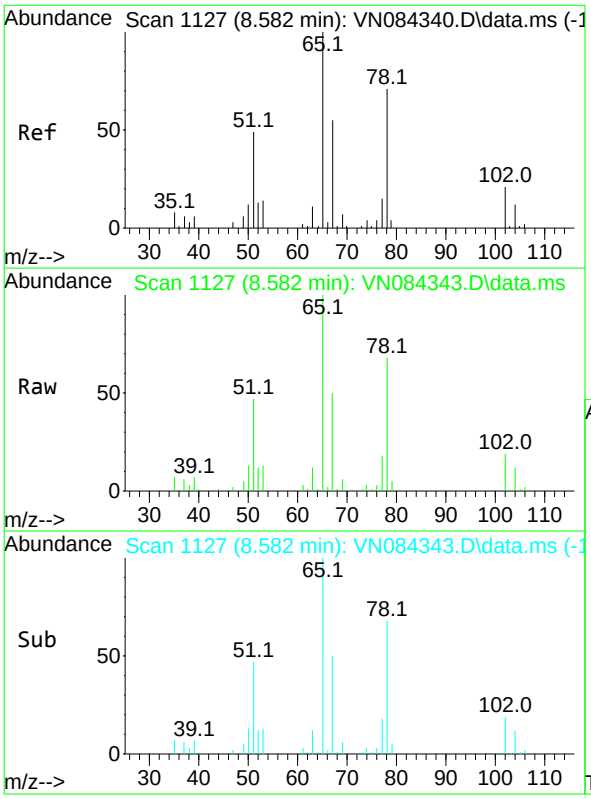


#26
Cyclohexane
Concen: 18.931 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 56 Resp: 70636

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	91.3	67.0	100.6

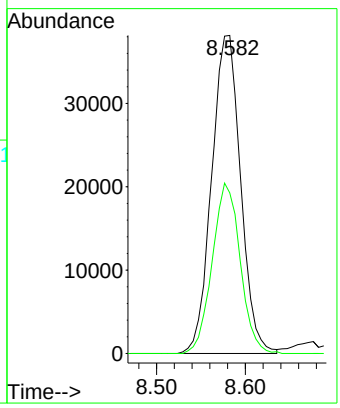




#27
1,2-Dichloroethane-d4
Concen: 30.009 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 65 Resp: 86558

Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.5	62.3



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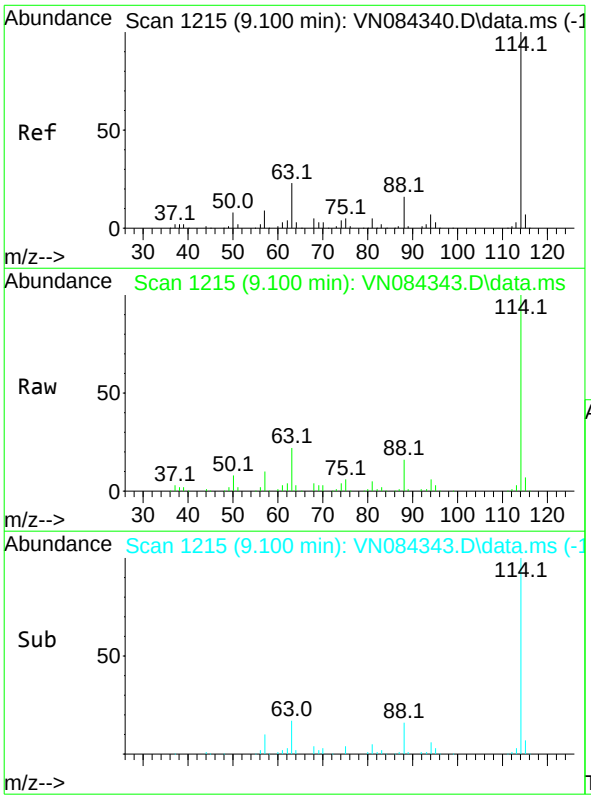
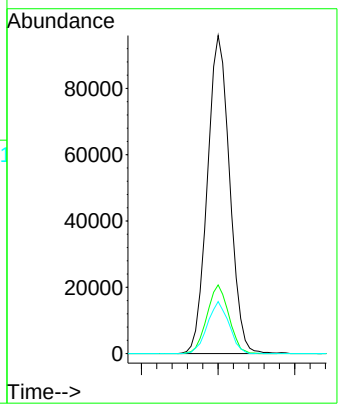
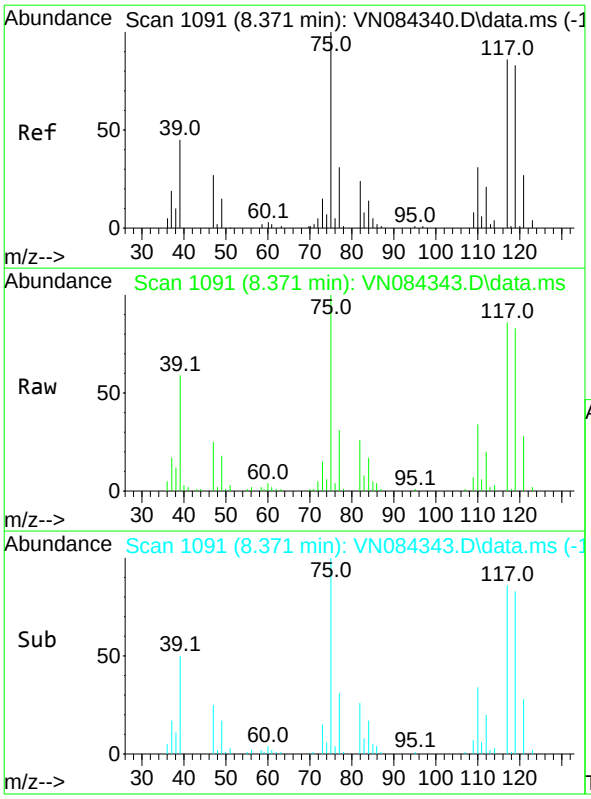


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:114 Resp: 193781

Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.4	26.0
88	15.8	13.2	19.8

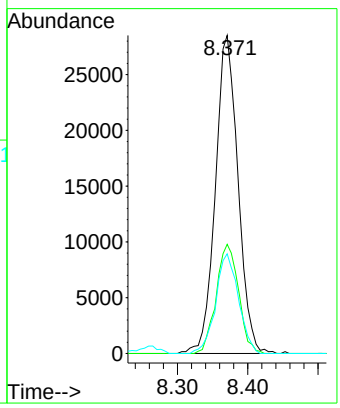




#29
1,1-Dichloropropene
Concen: 20.028 ug/l
RT: 8.371 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 63709

Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	67.6
77	31.6	0.0	61.4



Instrument :
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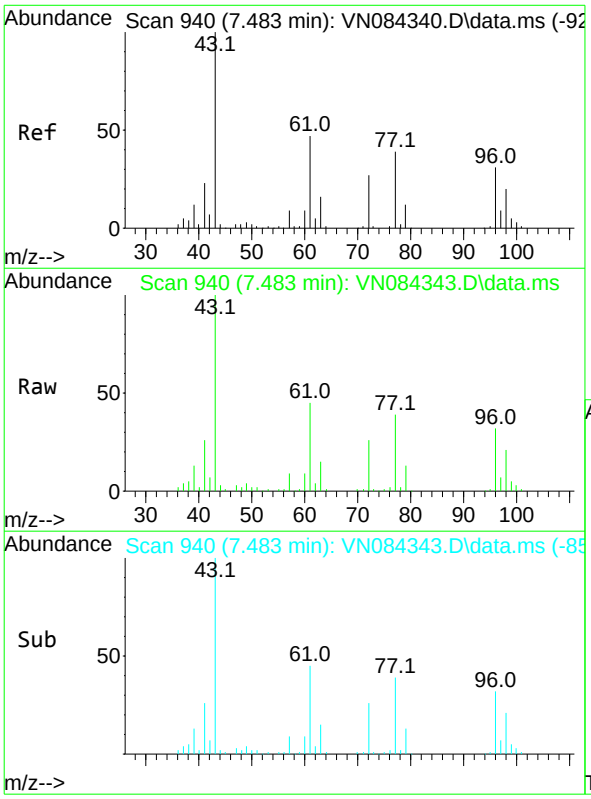
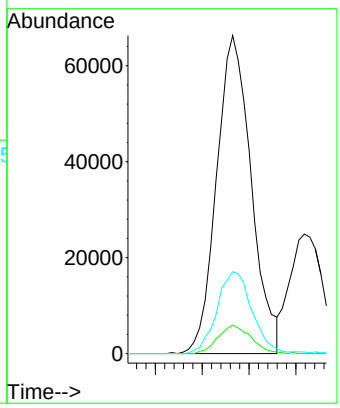
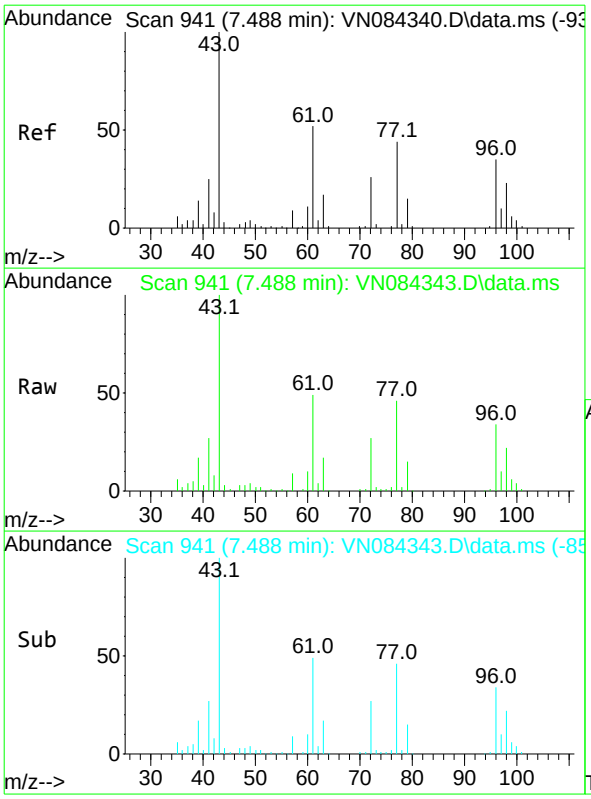


#30
2-Butanone
Concen: 100.675 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 170510

Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.6	9.8
72	26.0	21.3	31.9

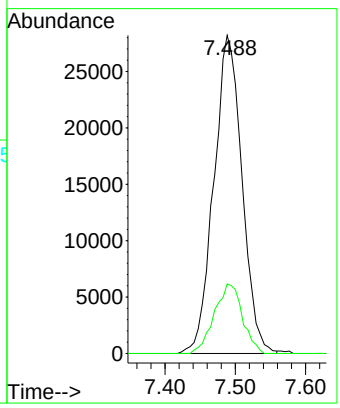




#31
2,2-Dichloropropane
Concen: 21.007 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 77 Resp: 78528

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.5	17.3#



Instrument :
MSVOA_N
ClientSampleId :
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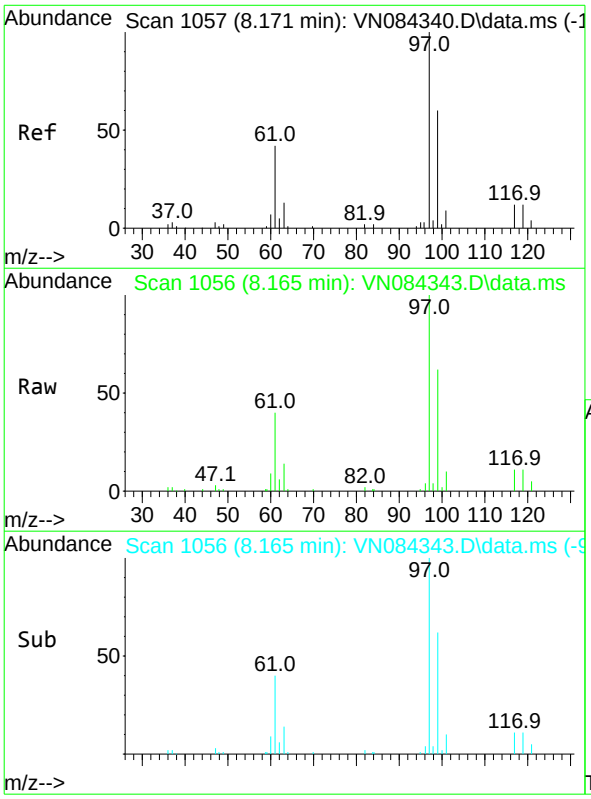
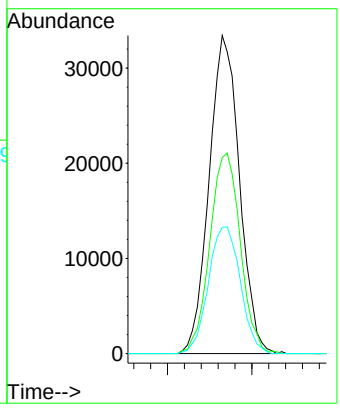
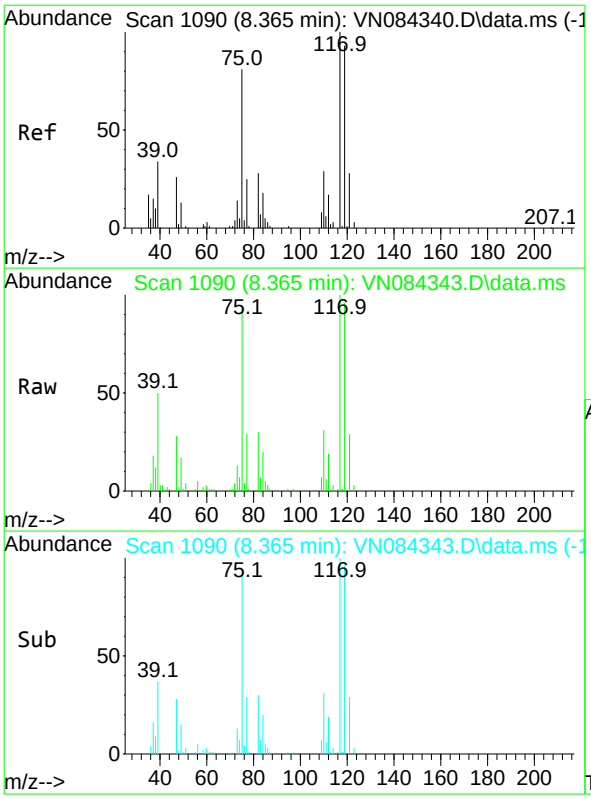


#32
1,1,1-Trichloroethane
Concen: 20.543 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 97 Resp: 83527

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	41.9	34.1	51.1

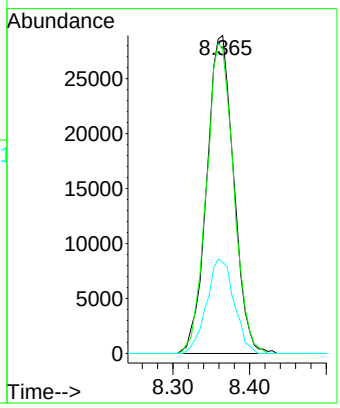




#33
Carbon Tetrachloride
Concen: 20.040 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:117 Resp: 70593

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.3	111.5
121	28.7	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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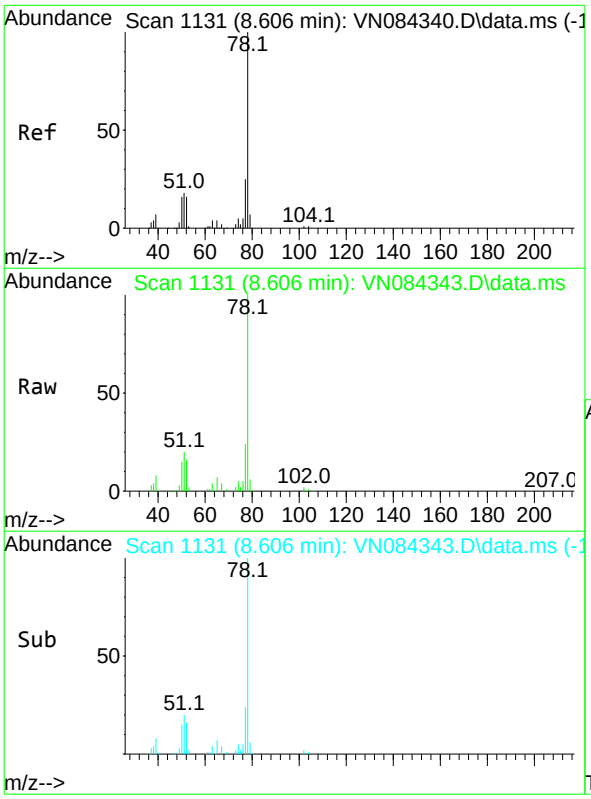
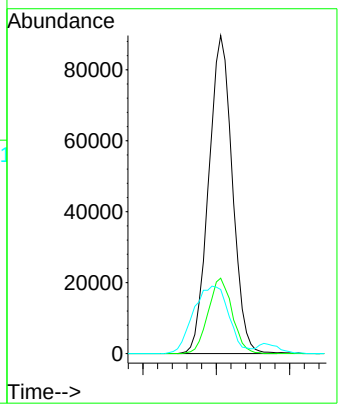
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

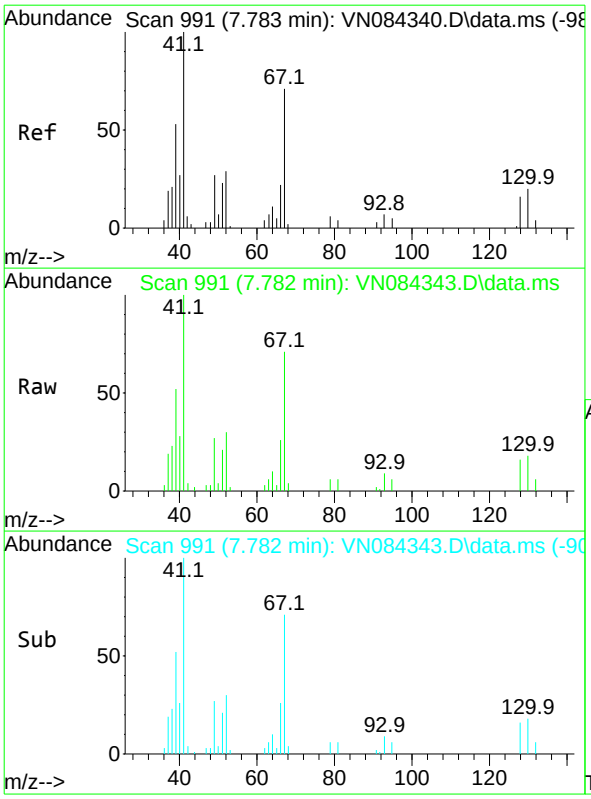


#34
Benzene
Concen: 20.195 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 78 Resp: 201095

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4
51	18.7	15.8	23.6

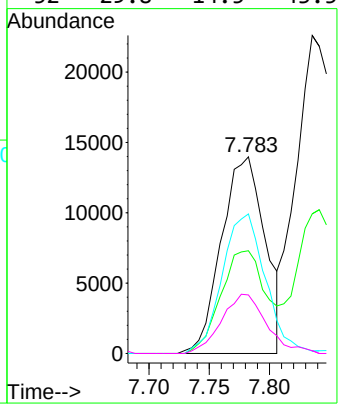




#35
Methacrylonitrile
Concen: 19.515 ug/l
RT: 7.782 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 41 Resp: 35261

Ion	Ratio	Lower	Upper
41	100		
39	52.3	26.4	79.0
67	71.0	35.7	107.1
52	29.8	14.5	43.5



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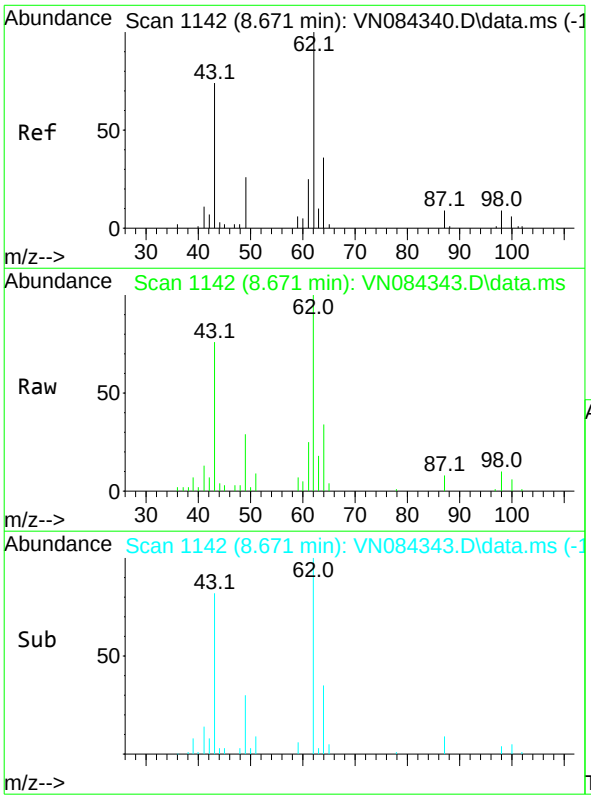
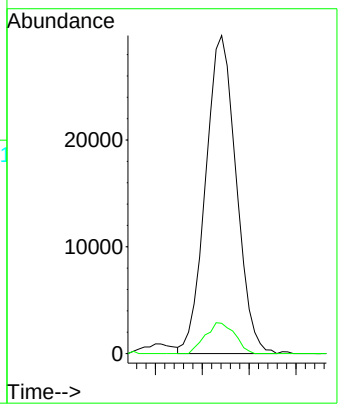
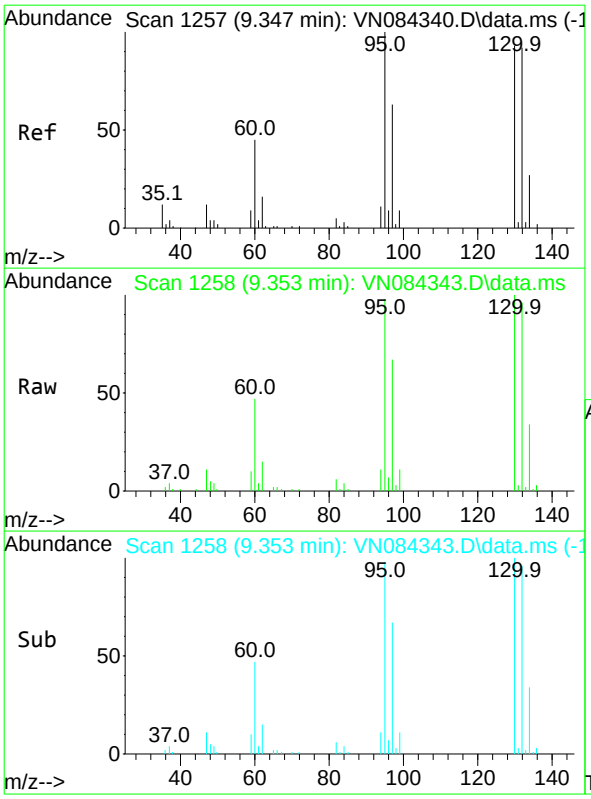


#36
1,2-Dichloroethane
Concen: 20.321 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 62 Resp: 67448

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9

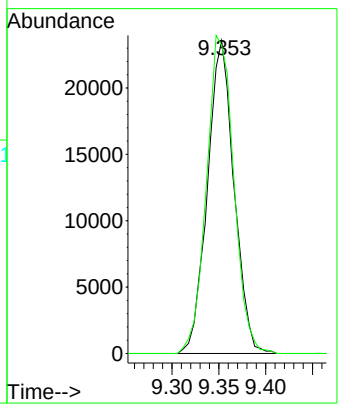




#37
Trichloroethene
Concen: 20.265 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:130 Resp: 46466

Ion	Ratio	Lower	Upper
130	100		
95	98.4	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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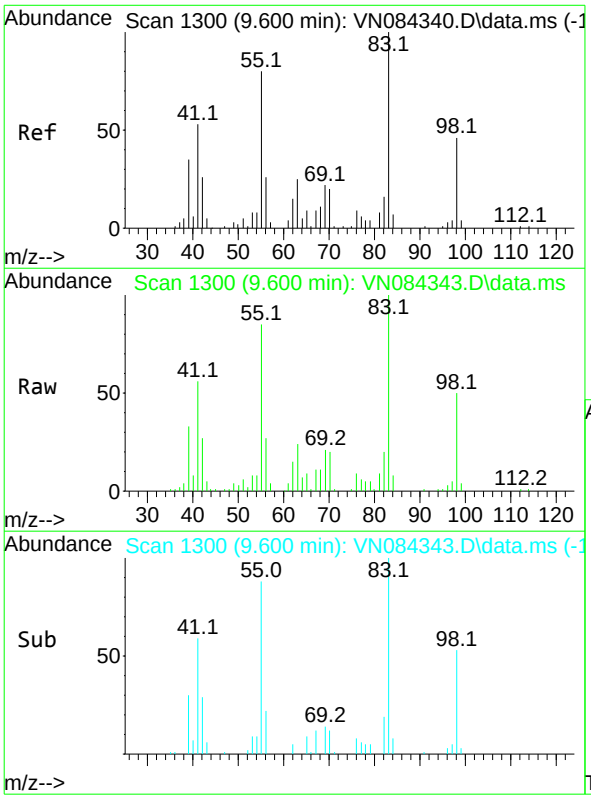
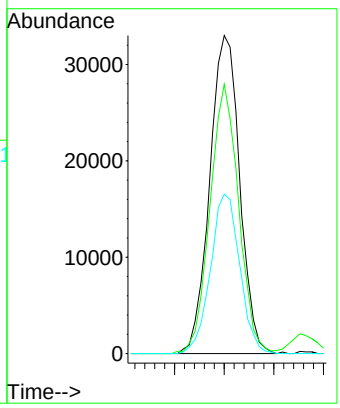
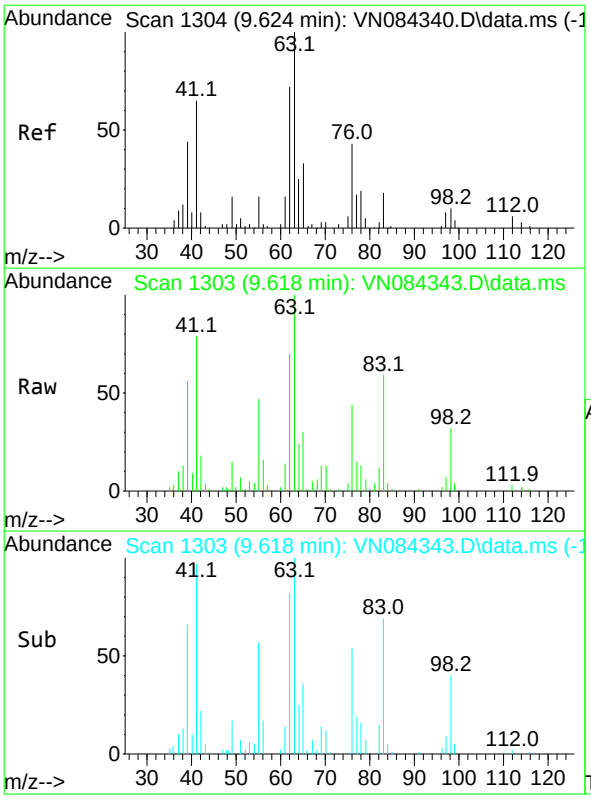


#38
Methylcyclohexane
Concen: 19.810 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 83 Resp: 69219

Ion	Ratio	Lower	Upper
83	100		
55	81.0	39.3	117.8
98	49.0	24.0	72.0

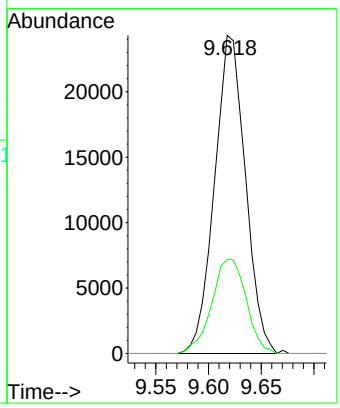




#39
1,2-Dichloropropane
Concen: 20.404 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 63 Resp: 49546

Ion	Ratio	Lower	Upper
63	100		
65	29.6	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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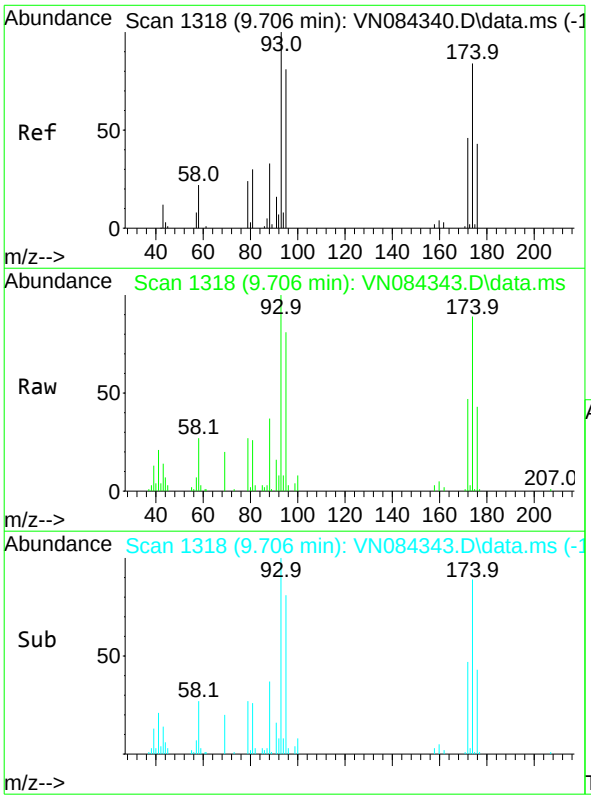
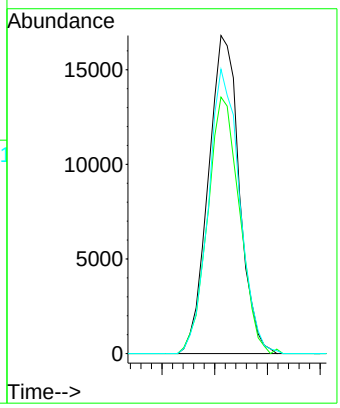
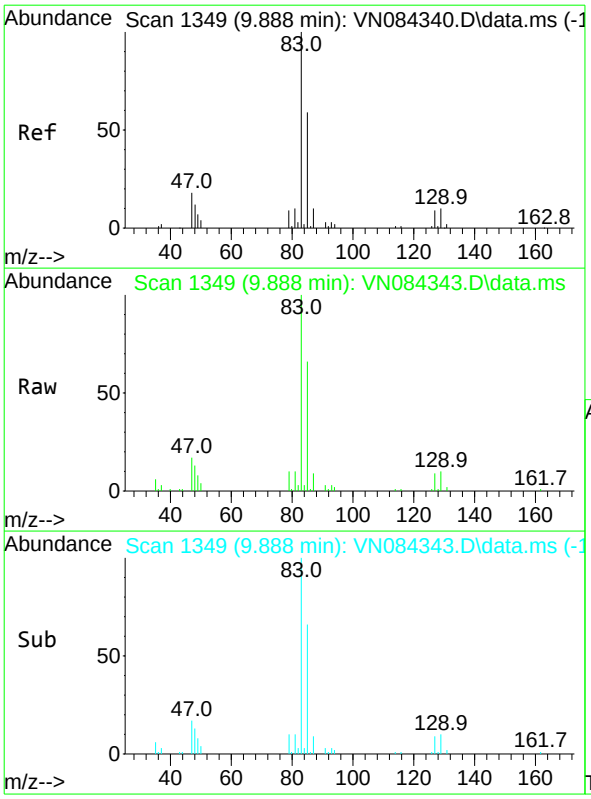


#40
Dibromomethane
Concen: 20.242 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 93 Resp: 34353

Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	171.4
174	89.9	0.0	183.0

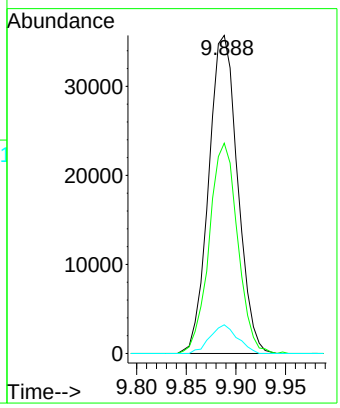




#41
Bromodichloromethane
Concen: 20.087 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 83 Resp: 72371

Ion	Ratio	Lower	Upper
83	100		
85	66.1	47.1	70.7
127	9.0	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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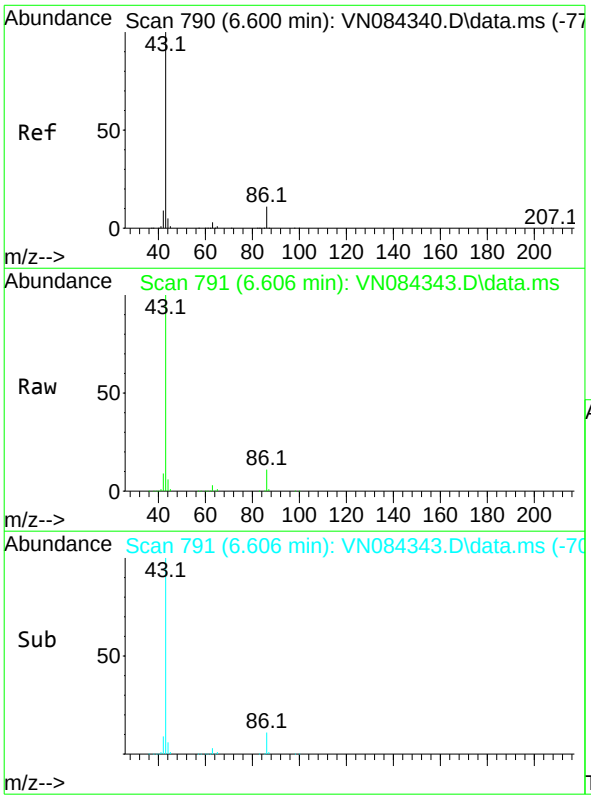
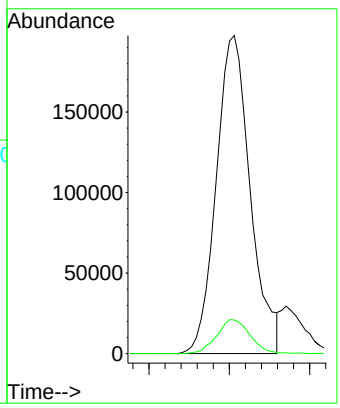
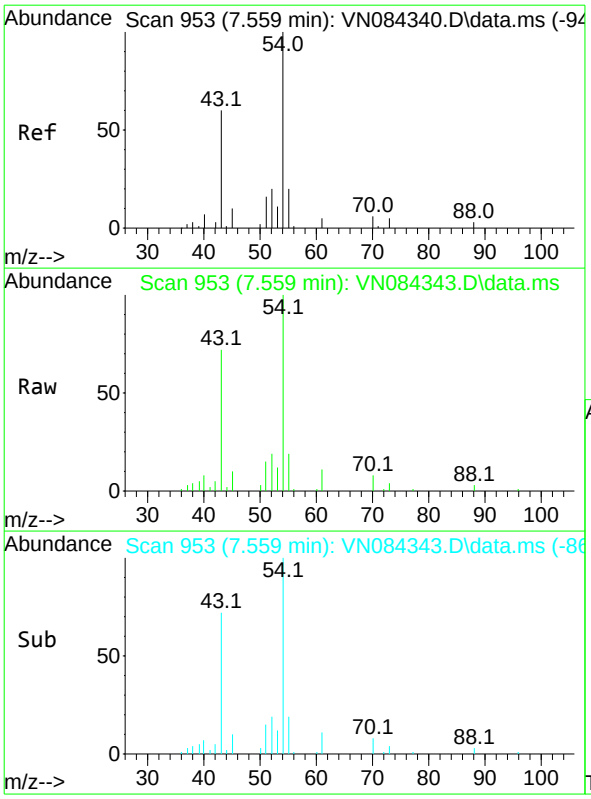


#42
Vinyl Acetate
Concen: 98.798 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 581959

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7

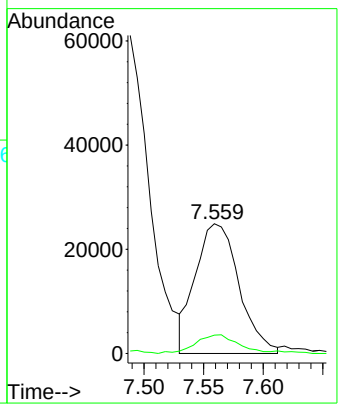




#43
Ethyl Acetate
Concen: 18.961 ug/l m
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 63334

Ion	Ratio	Lower	Upper
43	100		
45	13.7	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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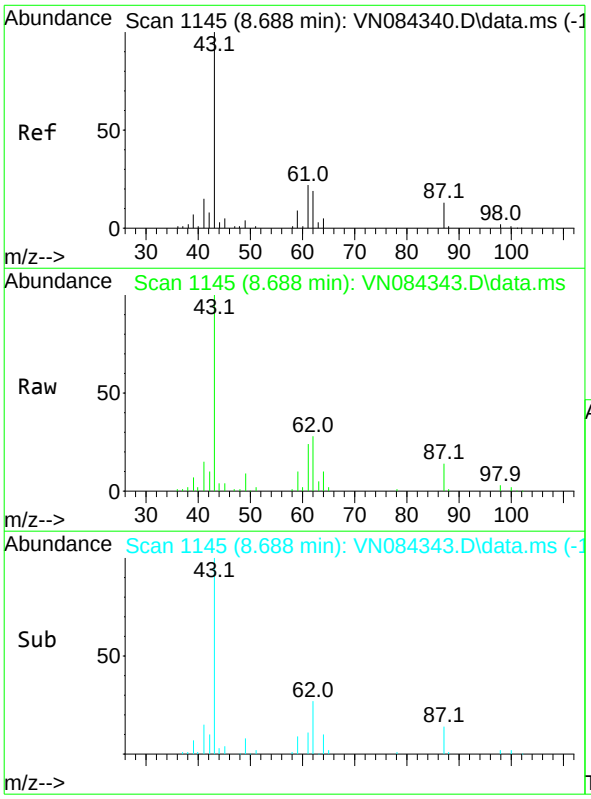
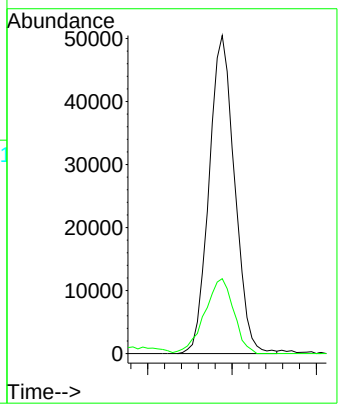
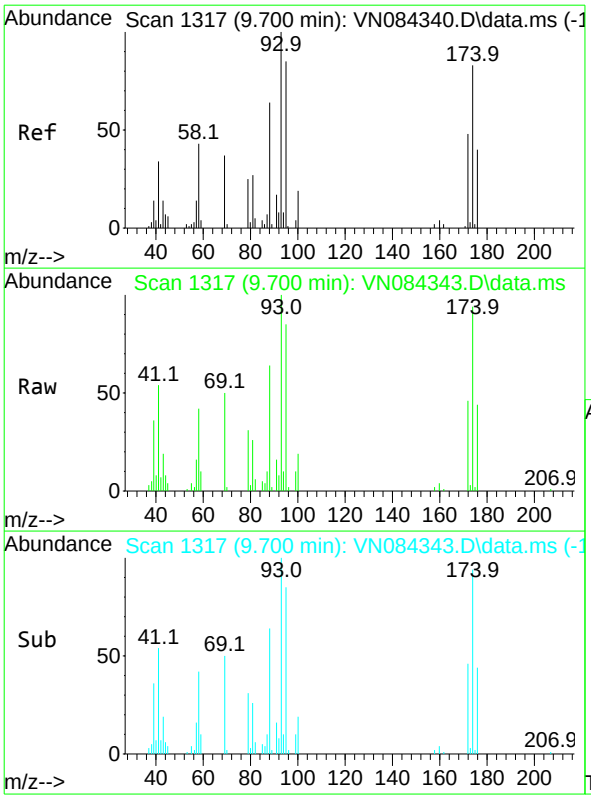


#44
Isopropyl Acetate
Concen: 19.419 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 106167

Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2

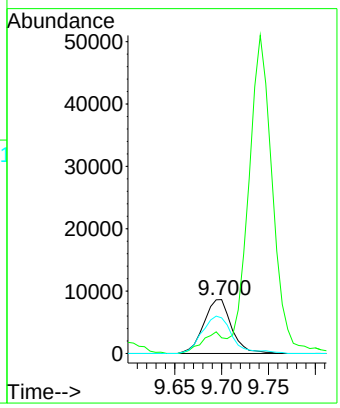




#45
1,4-Dioxane
Concen: 360.927 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 88 Resp: 17788

Ion	Ratio	Lower	Upper
88	100		
43	33.5	22.4	33.6
58	73.5	59.7	89.5



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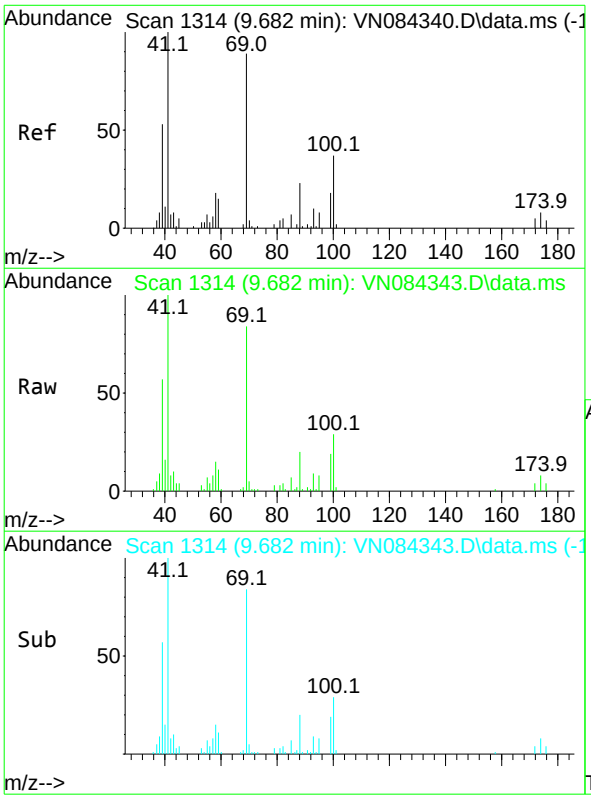
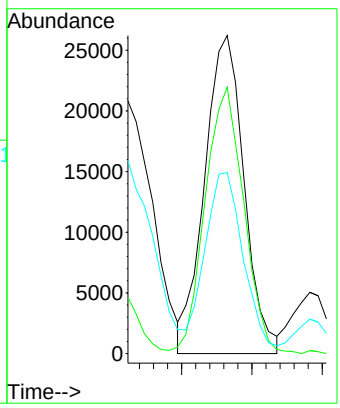
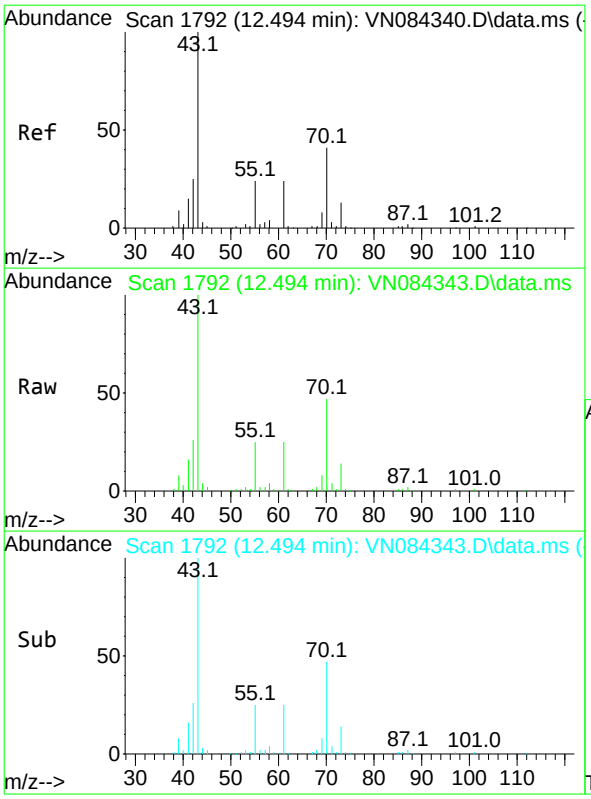


#46
Methyl methacrylate
Concen: 19.353 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 41 Resp: 51122

Ion	Ratio	Lower	Upper
41	100		
69	87.1	42.6	128.0
39	57.6	27.5	82.4

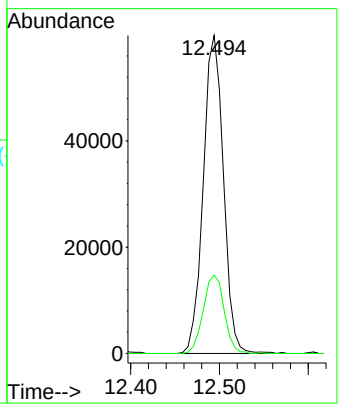




#47
n-amyl Acetate
Concen: 19.421 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 94442

Ion	Ratio	Lower	Upper
43	100		
55	25.5	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
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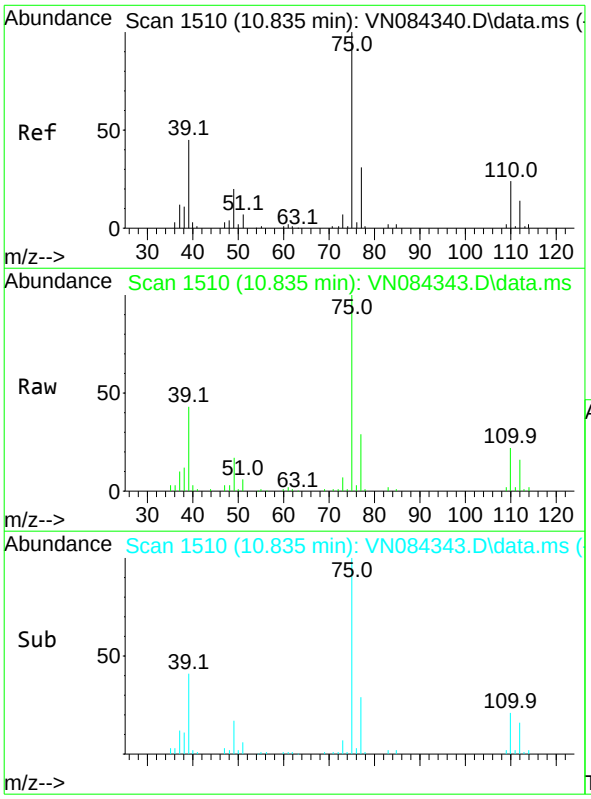
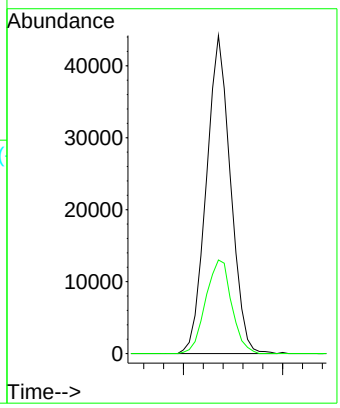
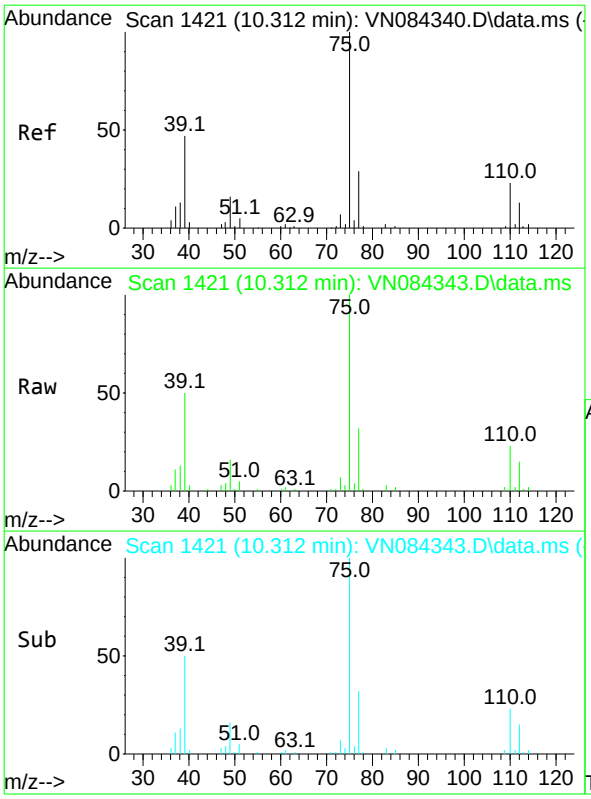


#48
t-1,3-Dichloropropene
Concen: 20.107 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 74857

Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.6	37.0

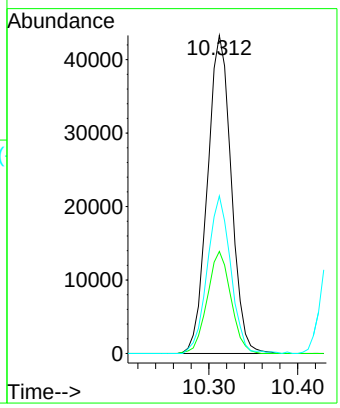




#49
cis-1,3-Dichloropropene
Concen: 20.591 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 80340

Ion	Ratio	Lower	Upper
75	100		
77	32.1	22.9	34.3
39	49.5	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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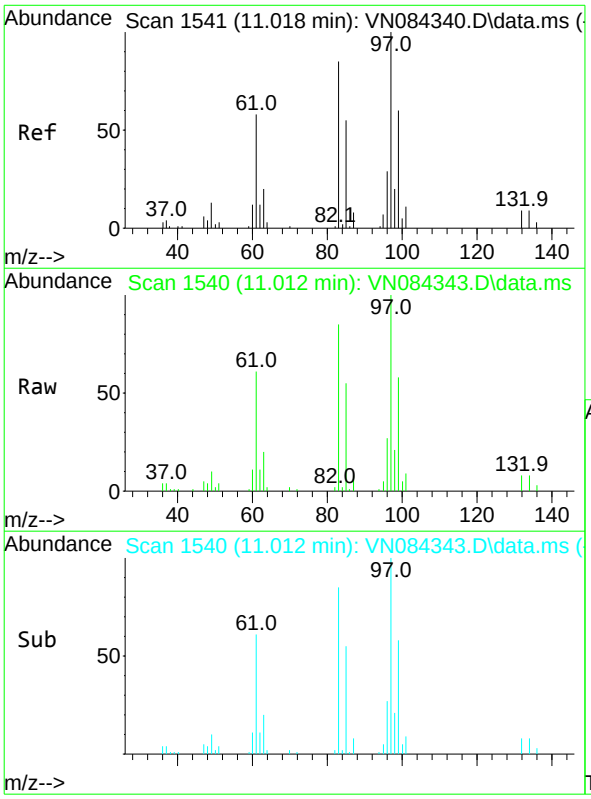
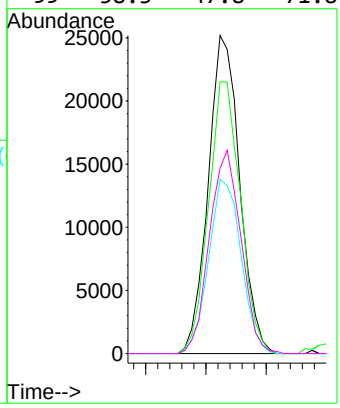
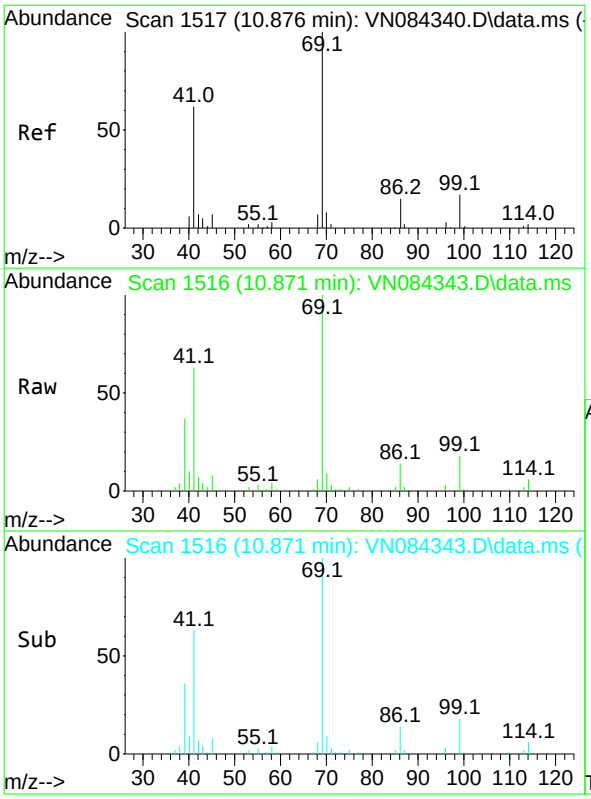


#50
1,1,2-Trichloroethane
Concen: 20.034 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 97 Resp: 45700

Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	54.8	44.2	66.2
99	58.3	47.8	71.8

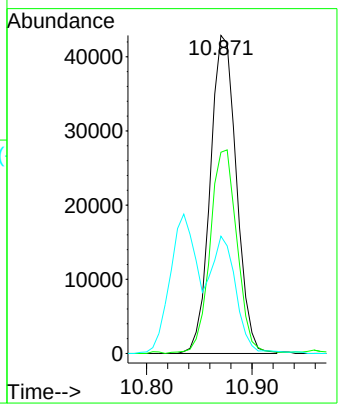




#51
Ethyl methacrylate
Concen: 19.639 ug/l
RT: 10.871 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 69 Resp: 73999

Ion	Ratio	Lower	Upper
69	100		
41	62.8	30.9	92.7
39	36.2	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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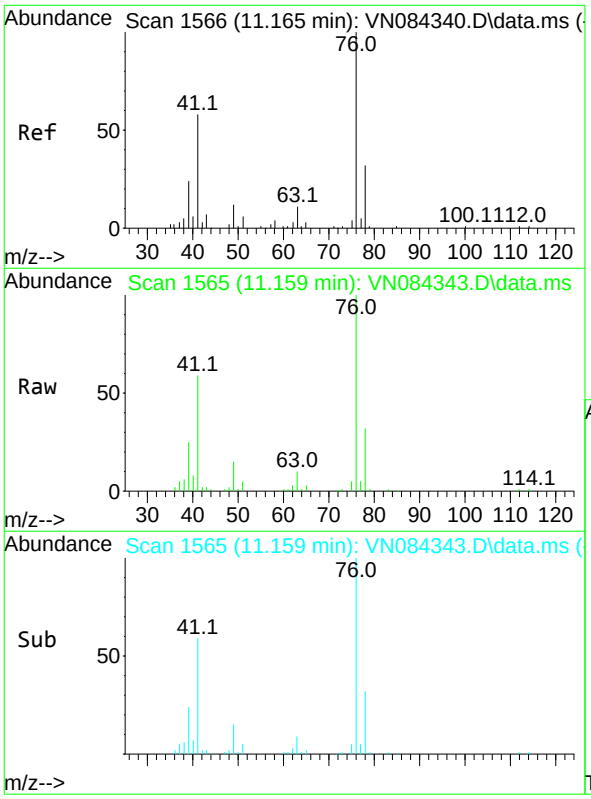
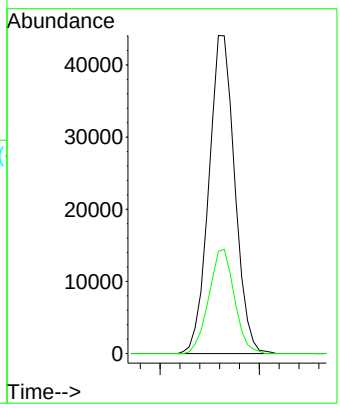
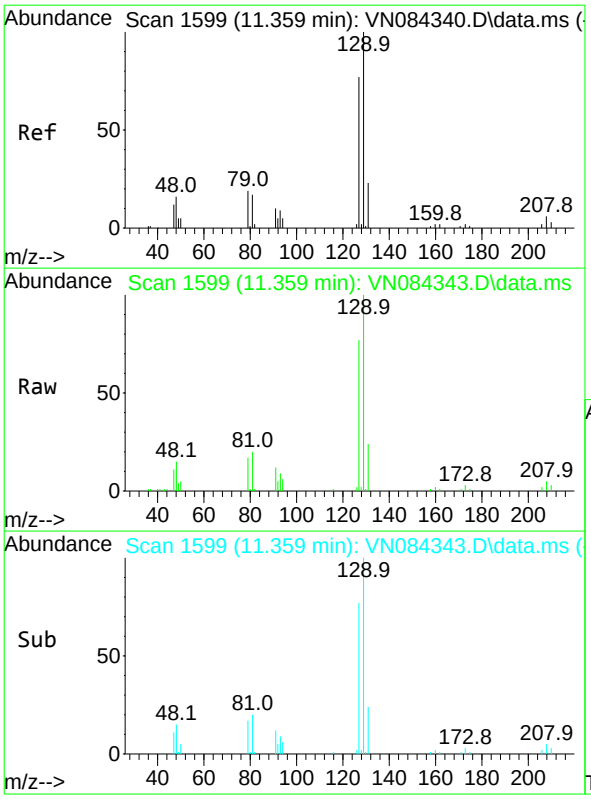


#52
1,3-Dichloropropane
Concen: 20.070 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 76 Resp: 80053

Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.2

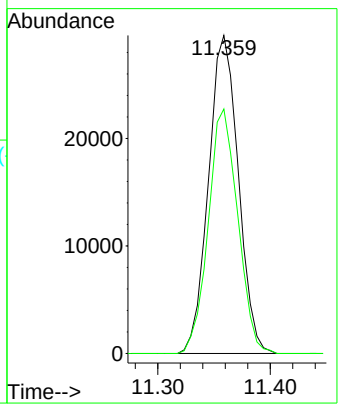




#53
Dibromochloromethane
Concen: 20.221 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:129 Resp: 54490

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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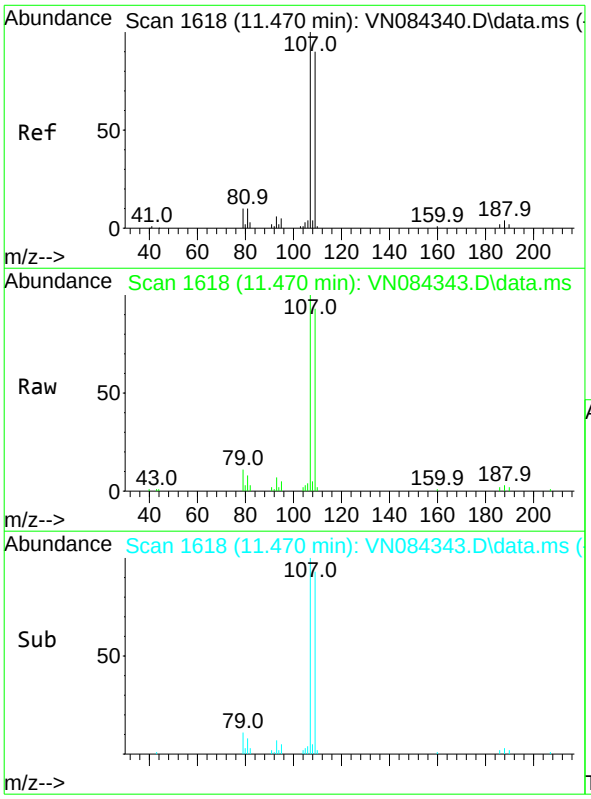
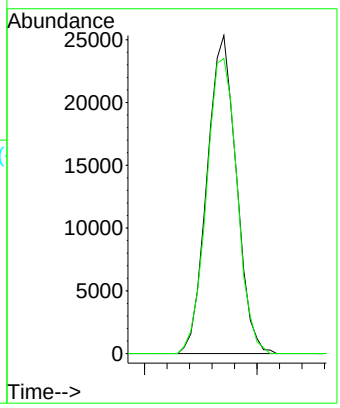
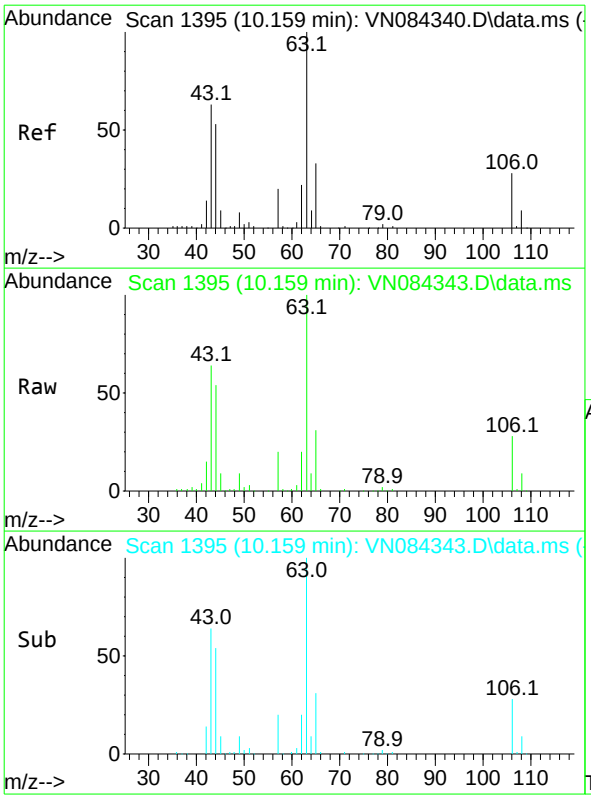


#54
1,2-Dibromoethane
Concen: 19.530 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:107 Resp: 45857

Ion	Ratio	Lower	Upper
107	100		
109	97.0	73.8	110.6

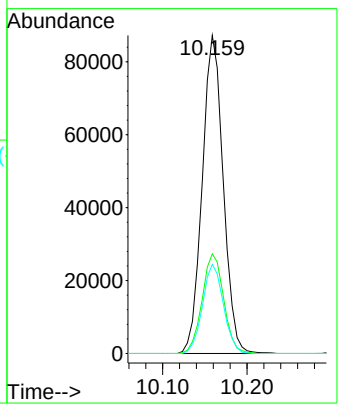




#55
2-Chloroethyl vinyl ether
Concen: 88.171 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 63 Resp: 150677

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	28.0	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
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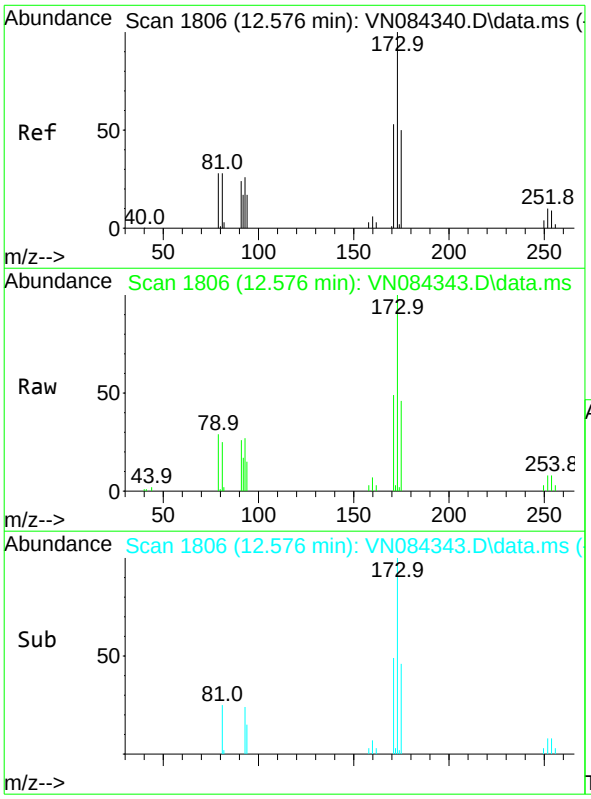
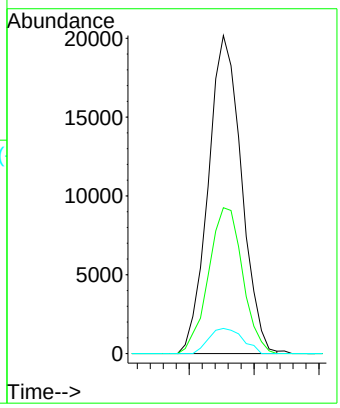
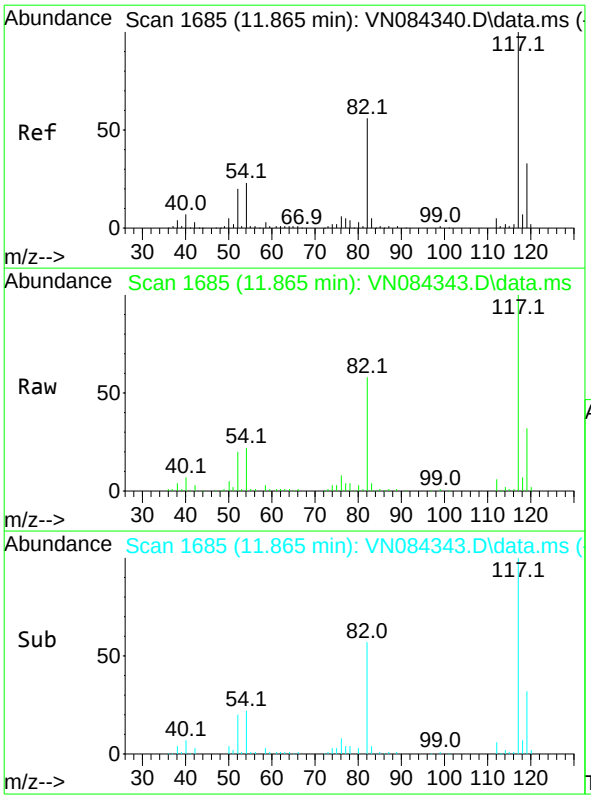


#56
Bromoform
Concen: 20.113 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:173 Resp: 35946

Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.4	59.2
254	8.1	6.8	10.2

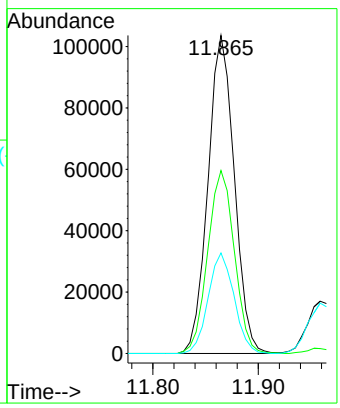




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:117 Resp: 180191

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	31.0	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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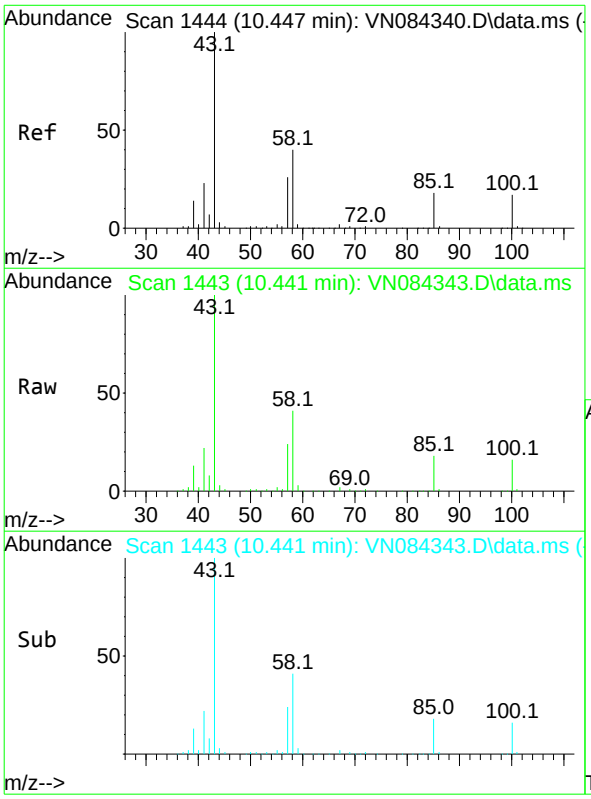
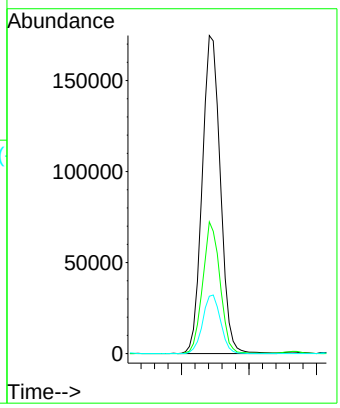
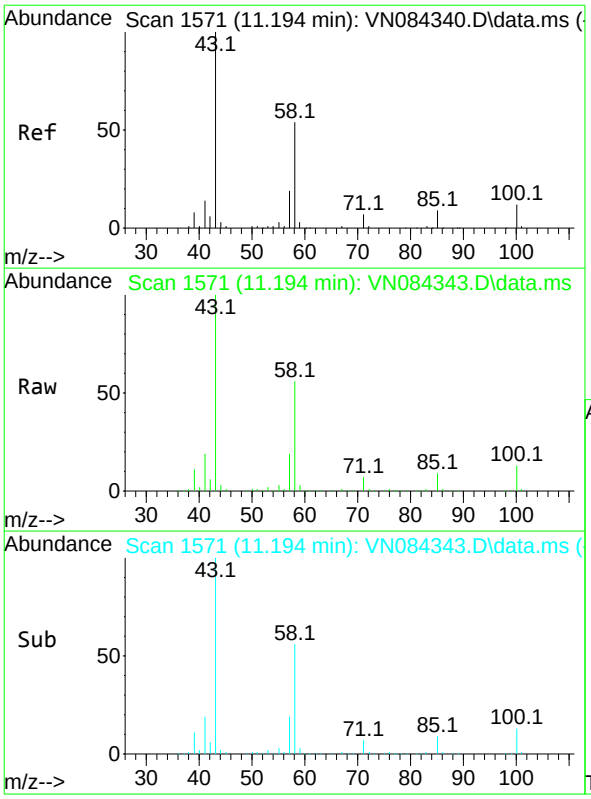


#58
4-Methyl-2-Pentanone
Concen: 97.392 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 326914

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.9	47.9
85	18.1	14.6	22.0

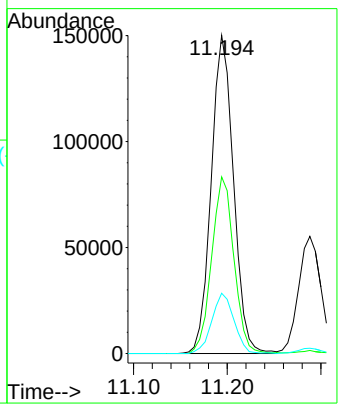




#59
2-Hexanone
Concen: 99.486 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 248144

Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.0	66.0
57	18.8	15.4	23.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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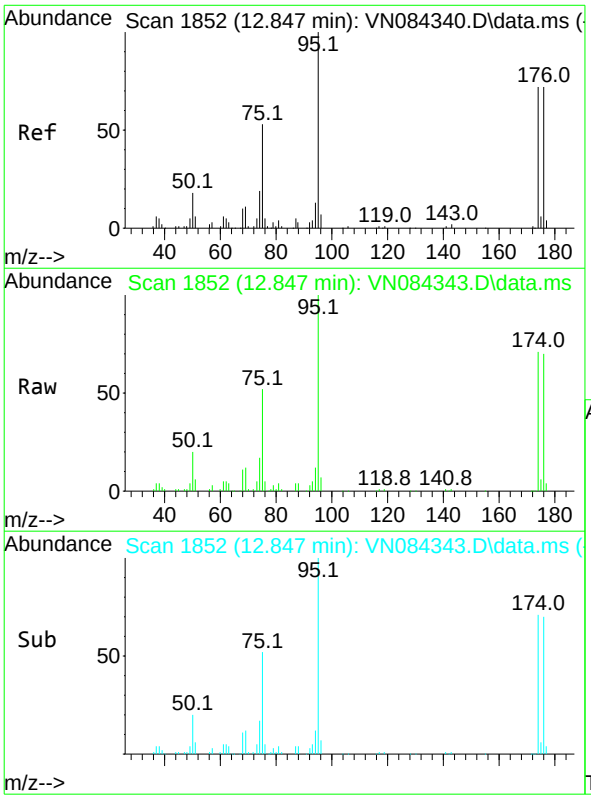
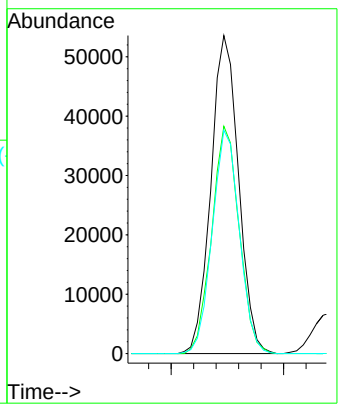
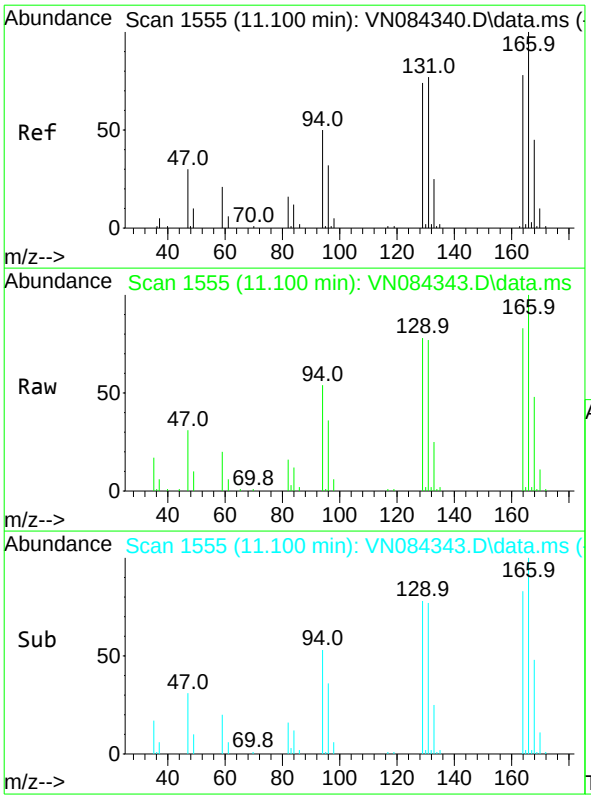


#60
4-Bromofluorobenzene
Concen: 30.784 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 95 Resp: 91549

Ion	Ratio	Lower	Upper
95	100		
174	70.7	58.2	87.2
176	68.7	56.4	84.6

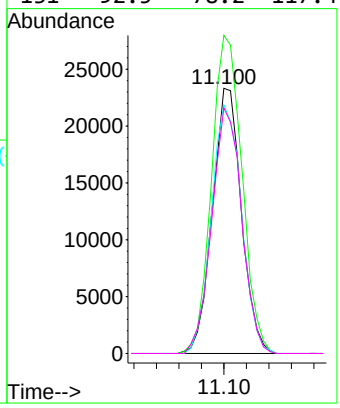




#61
Tetrachloroethene
Concen: 20.477 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:164 Resp: 41736

Ion	Ratio	Lower	Upper
164	100		
166	119.9	102.5	153.7
129	93.7	75.7	113.5
131	92.5	78.2	117.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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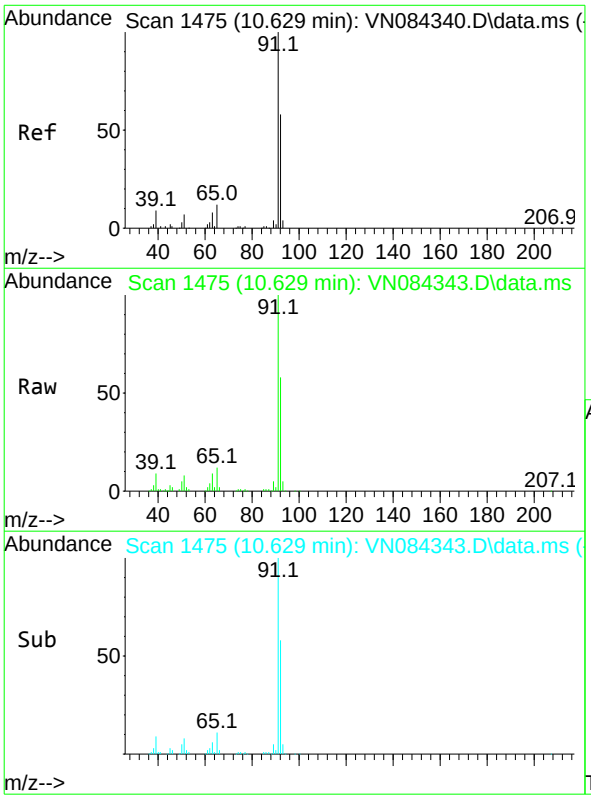
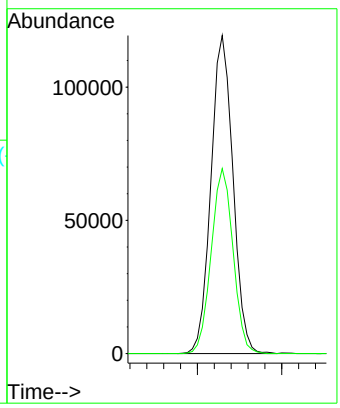
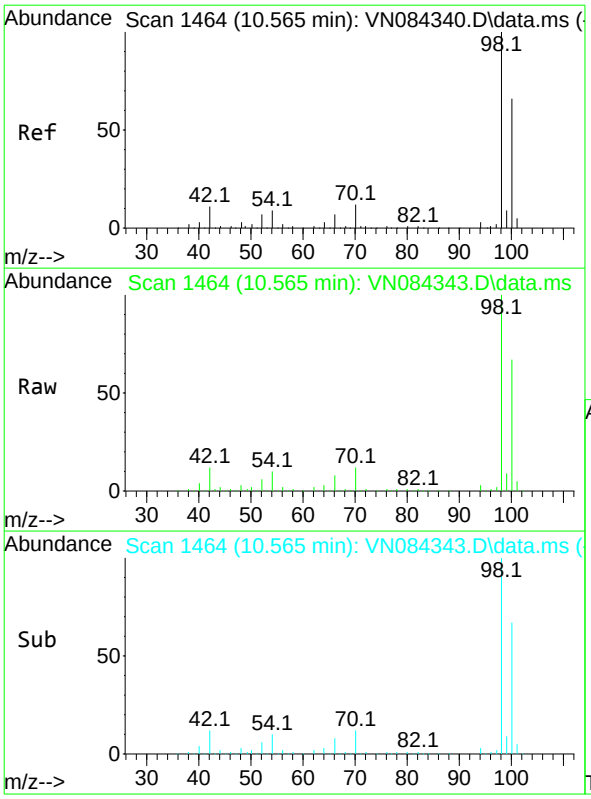


#62
Toluene
Concen: 20.551 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 216792

Ion	Ratio	Lower	Upper
91	100		
92	57.6	47.2	70.8

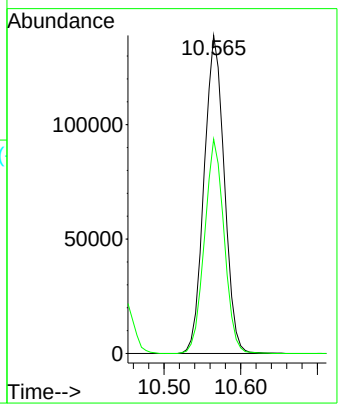




#63
Toluene-d8
Concen: 30.377 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 98 Resp: 253573

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
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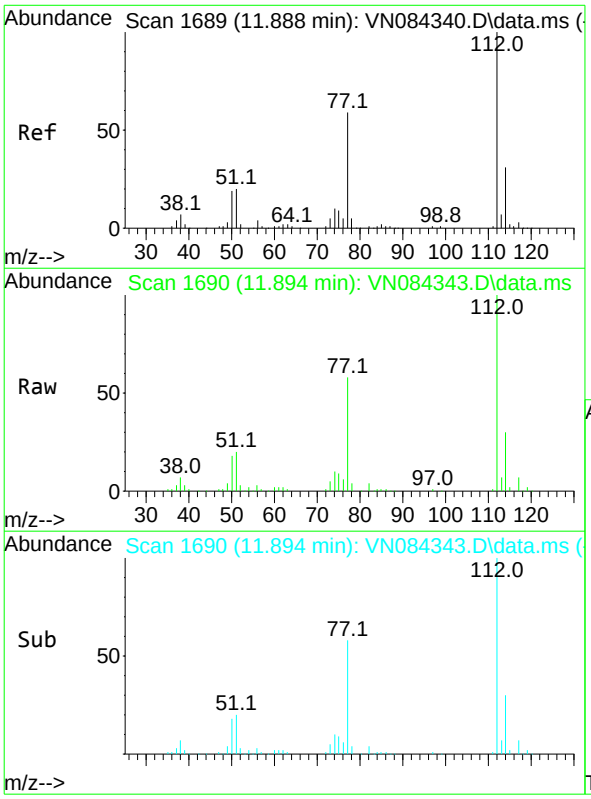
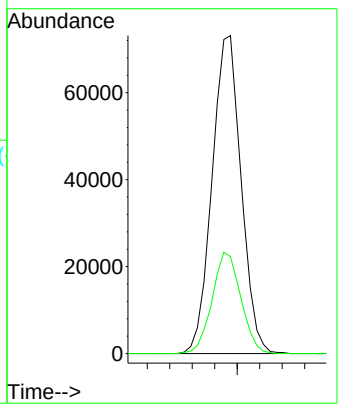
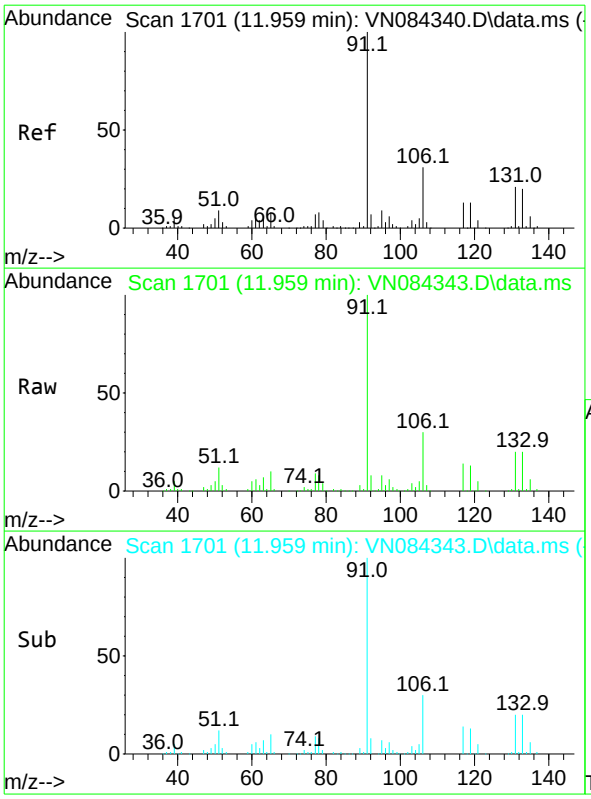


#64
Chlorobenzene
Concen: 19.960 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:112 Resp: 131028

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.1	37.7

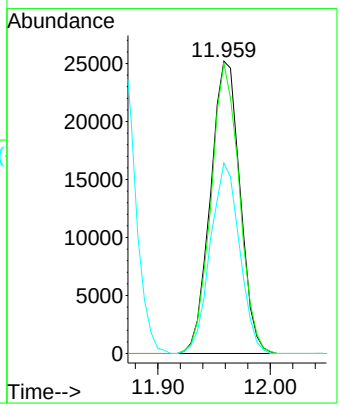




#65
1,1,1,2-Tetrachloroethane
Concen: 20.169 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:131 Resp: 45996

Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	190.4
119	64.4	0.0	130.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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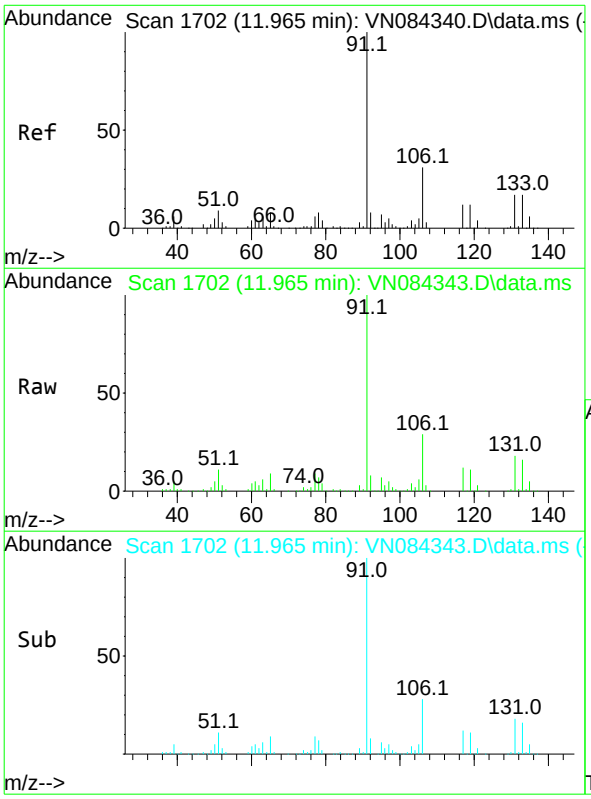
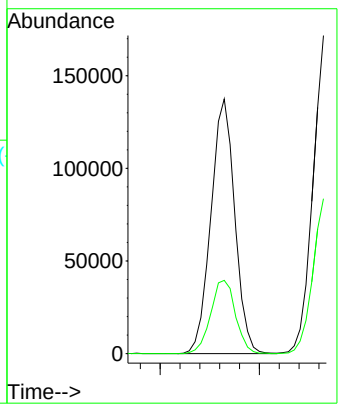
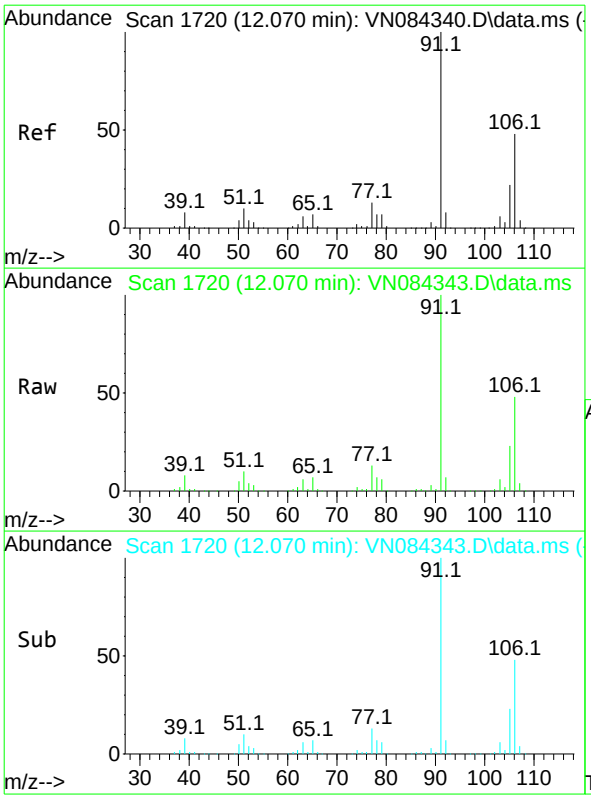


#66
Ethyl Benzene
Concen: 20.038 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 229654

Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.2	37.8

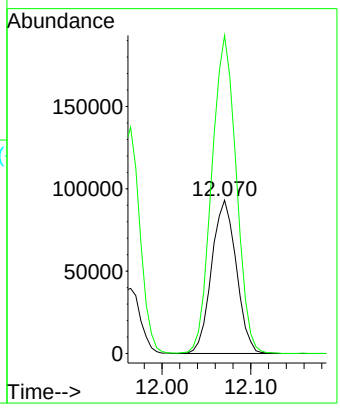




#67
m/p-Xylenes
Concen: 41.370 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:106 Resp: 179863

Ion	Ratio	Lower	Upper
106	100		
91	205.9	166.7	250.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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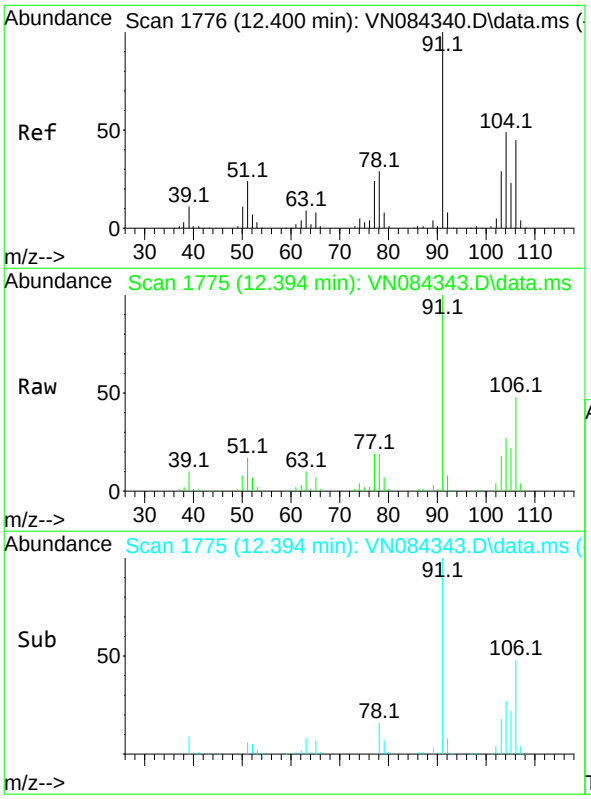
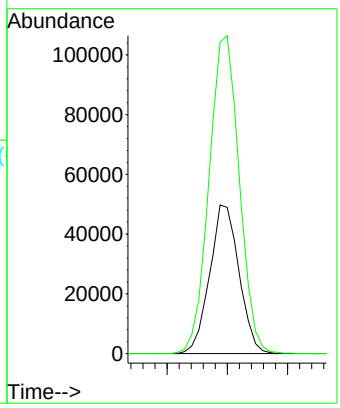
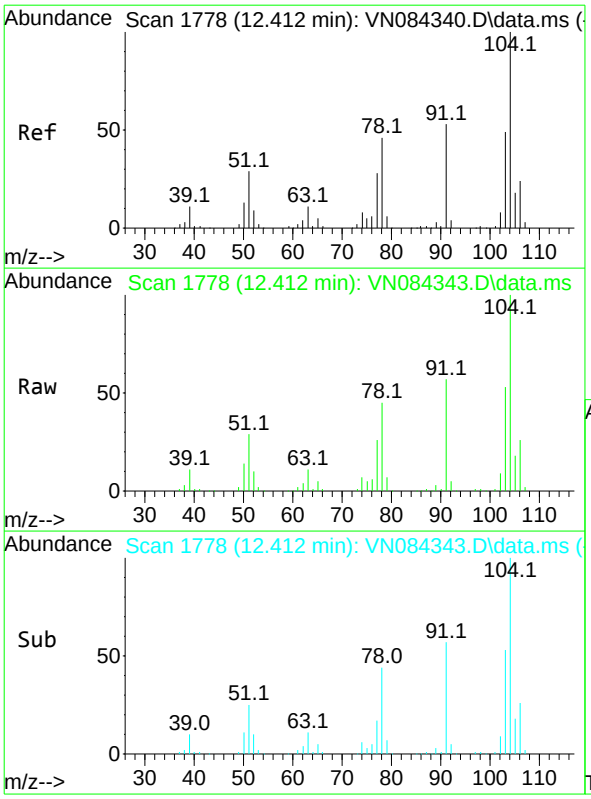


#68
o-Xylene
Concen: 20.070 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:106 Resp: 84107

Ion	Ratio	Lower	Upper
106	100		
91	220.5	110.9	332.9

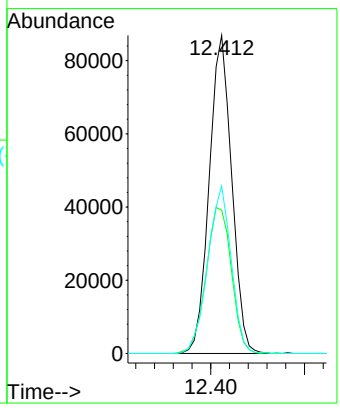




#69
Styrene
Concen: 20.124 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:104 Resp: 144766

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.6	62.4
103	54.9	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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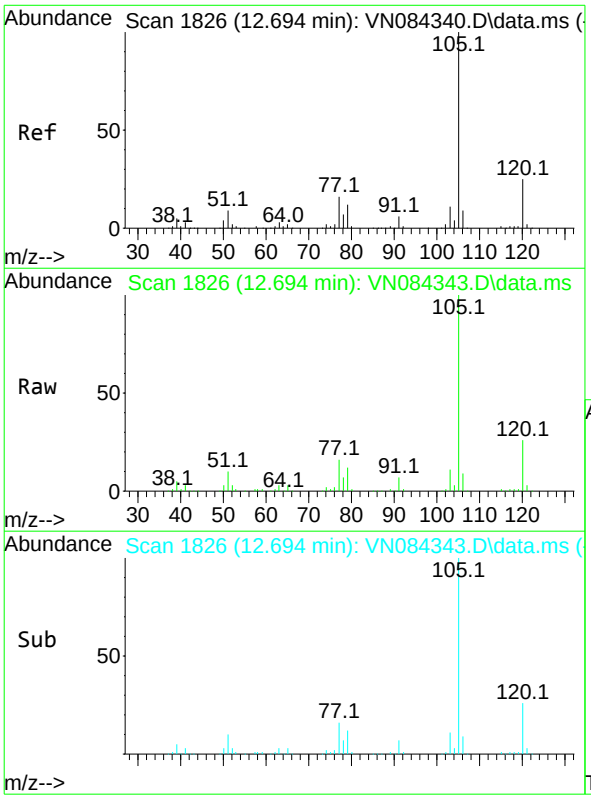
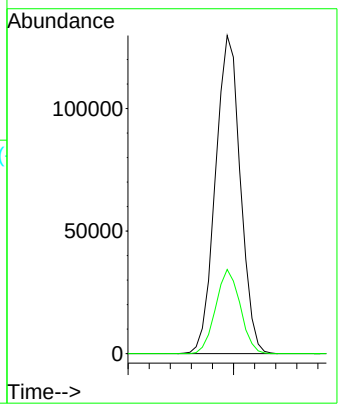
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

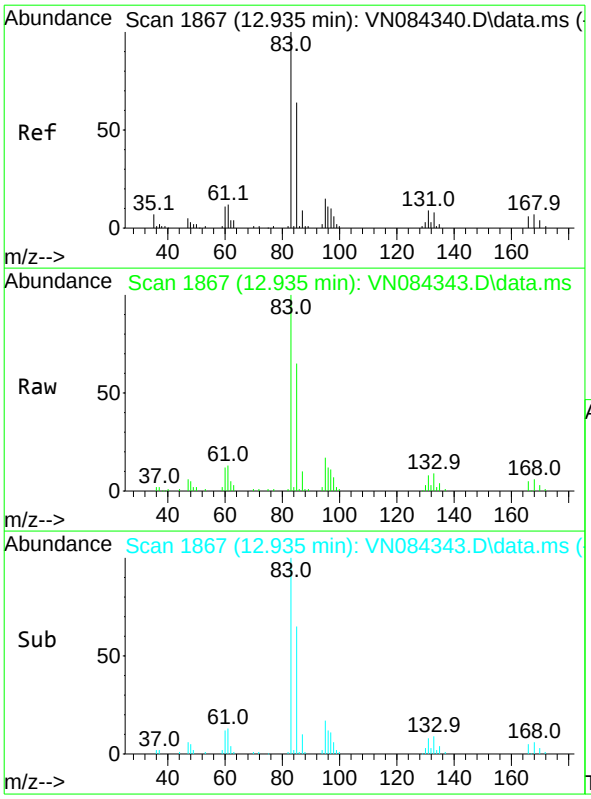


#70
Isopropylbenzene
Concen: 19.923 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 213142

Ion	Ratio	Lower	Upper
105	100		
120	25.9	17.4	32.4

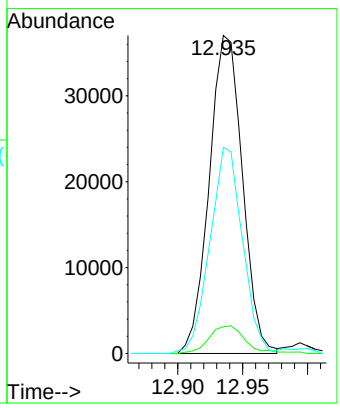




#71
1,1,2,2-Tetrachloroethane
Concen: 19.932 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 83 Resp: 65966

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.1	15.3
85	63.6	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
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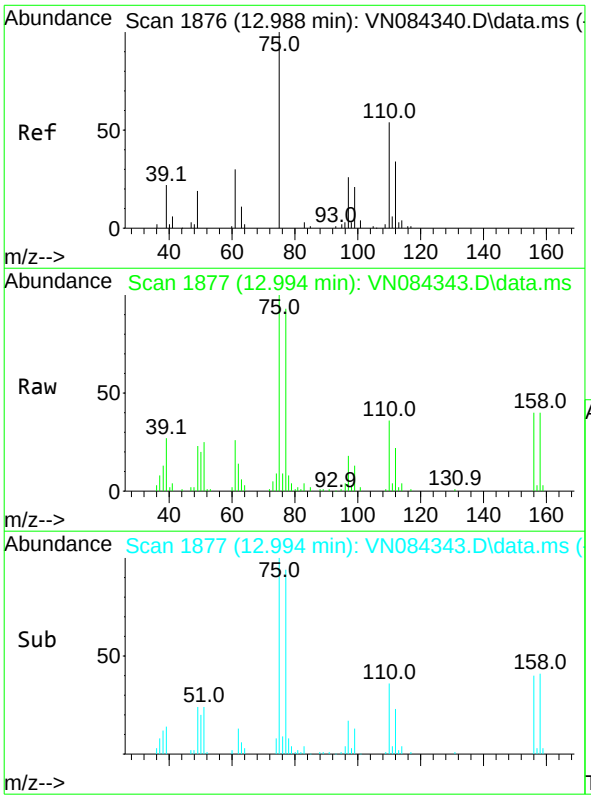
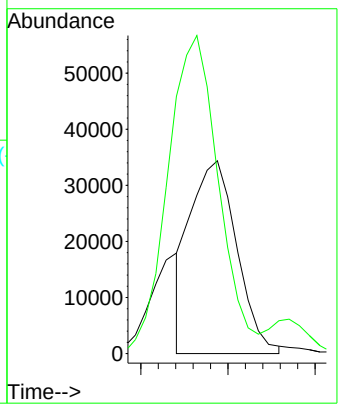
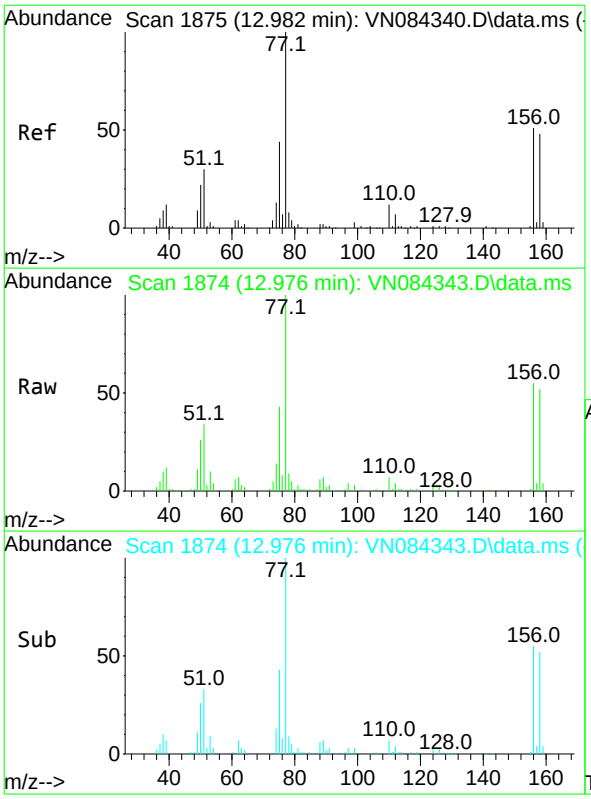


#72
1,2,3-Trichloropropane
Concen: 22.527 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 63849

Ion	Ratio	Lower	Upper
75	100		
77	179.8	0.0	414.0

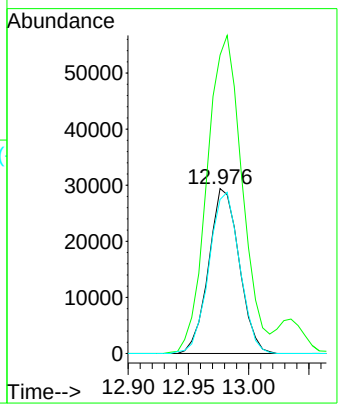




#73
Bromobenzene
Concen: 19.992 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:156 Resp: 51798

Ion	Ratio	Lower	Upper
156	100		
77	221.7	0.0	451.0
158	97.9	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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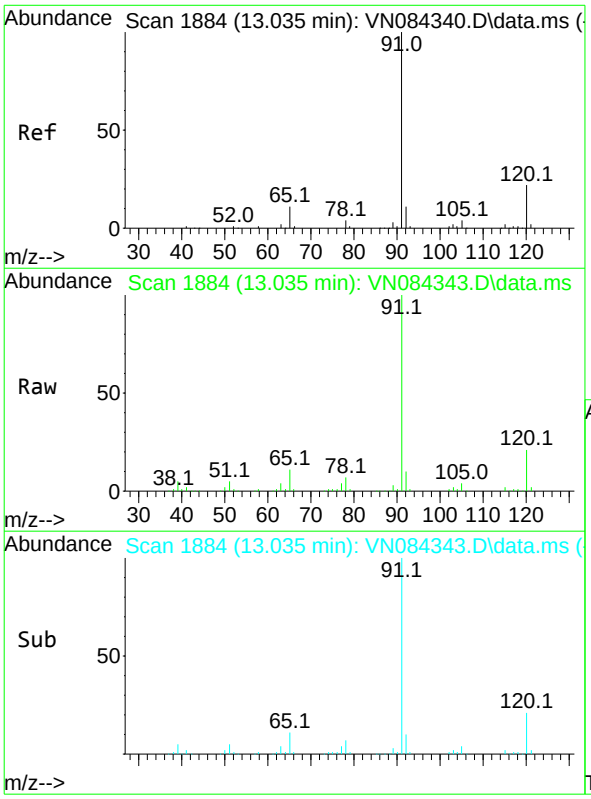
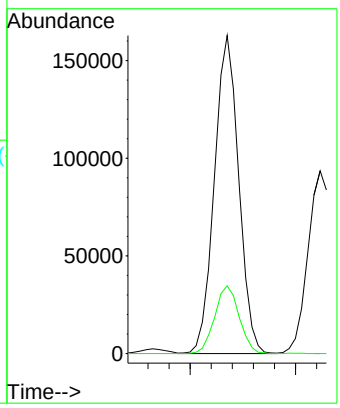
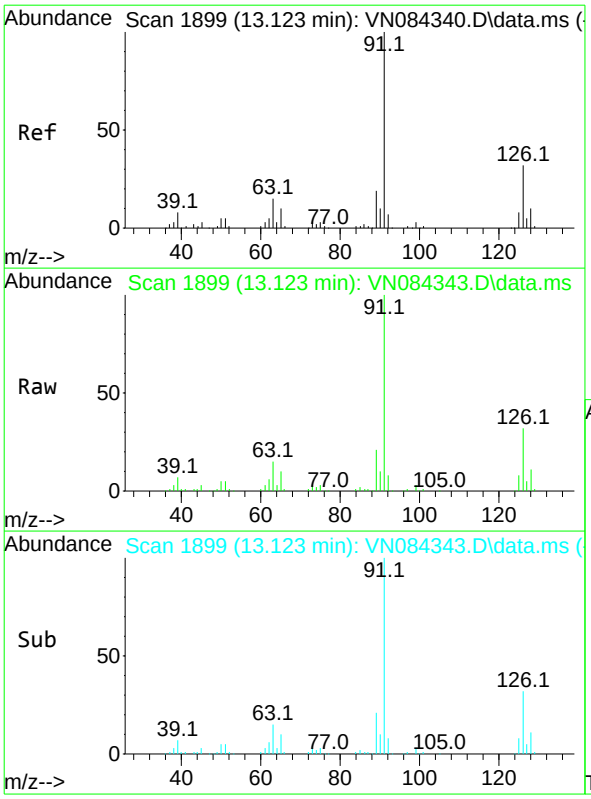


#74
n-propylbenzene
Concen: 20.467 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 260928

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	43.2

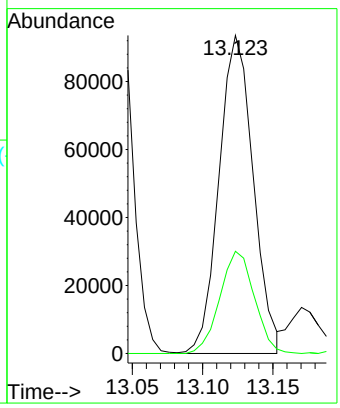




#75
2-Chlorotoluene
Concen: 20.001 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 158449

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	64.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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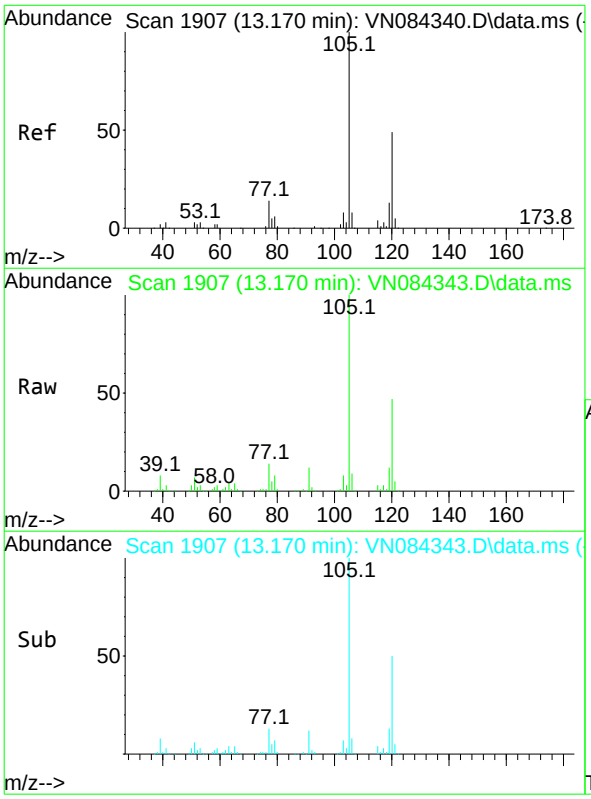
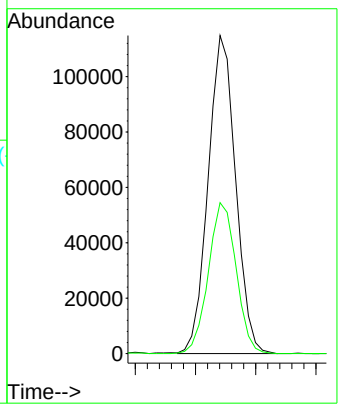
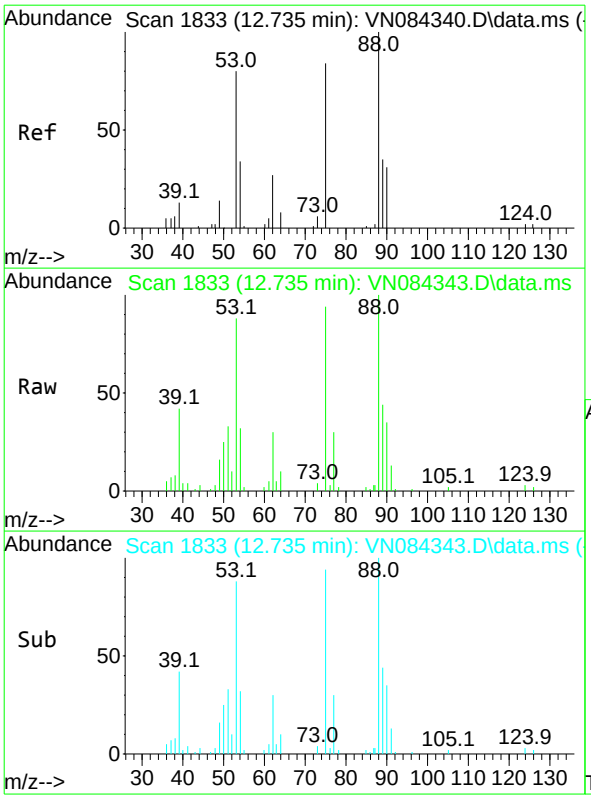


#76
1,3,5-Trimethylbenzene
Concen: 20.196 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 181926

Ion	Ratio	Lower	Upper
105	100		
120	48.0	0.0	94.4

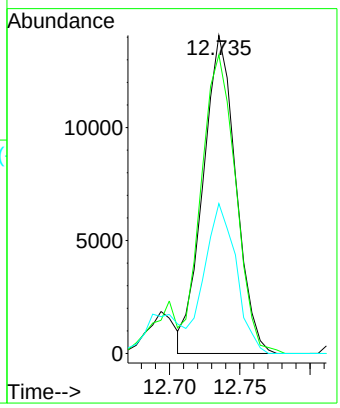




#77
t-1,4-Dichloro-2-butene
Concen: 18.889 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 22878

Ion	Ratio	Lower	Upper
75	100		
53	92.7	47.3	142.0
89	47.1	22.9	68.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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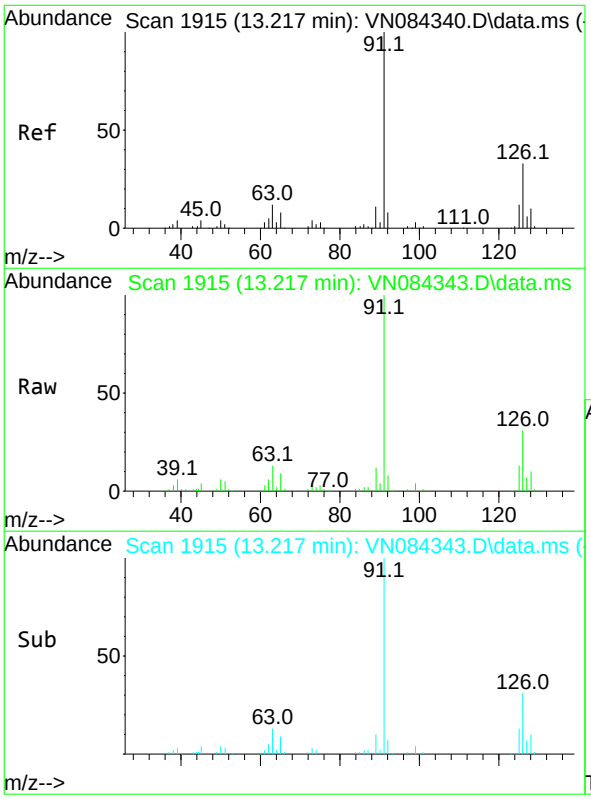
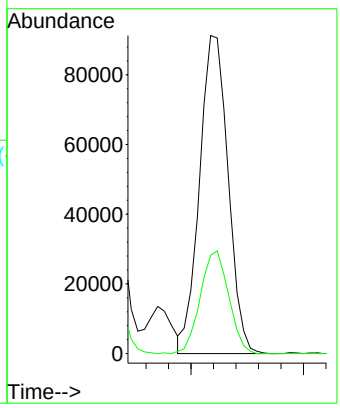
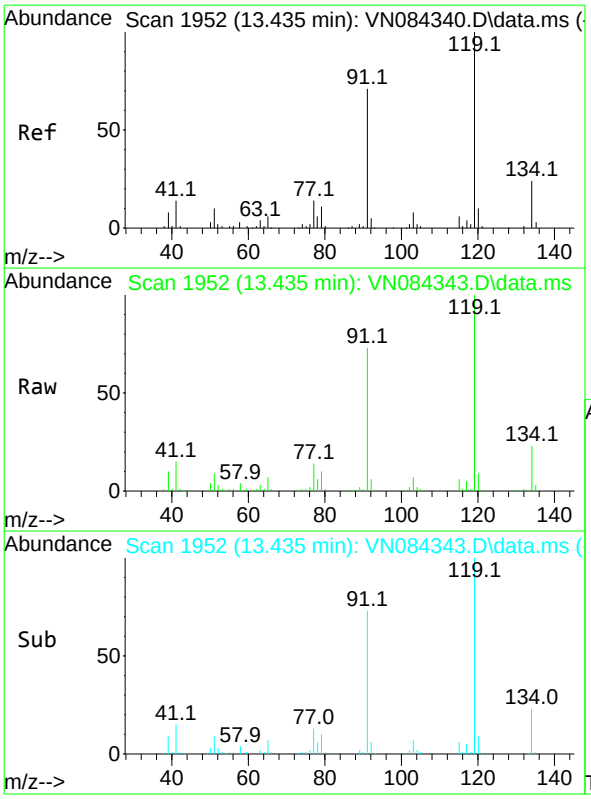


#78
4-Chlorotoluene
Concen: 20.008 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 161150

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	62.4

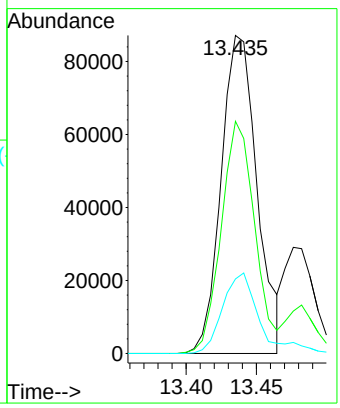




#79
tert-butylbenzene
Concen: 20.197 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:119 Resp: 155215

Ion	Ratio	Lower	Upper
119	100		
91	68.1	0.0	138.0
134	23.5	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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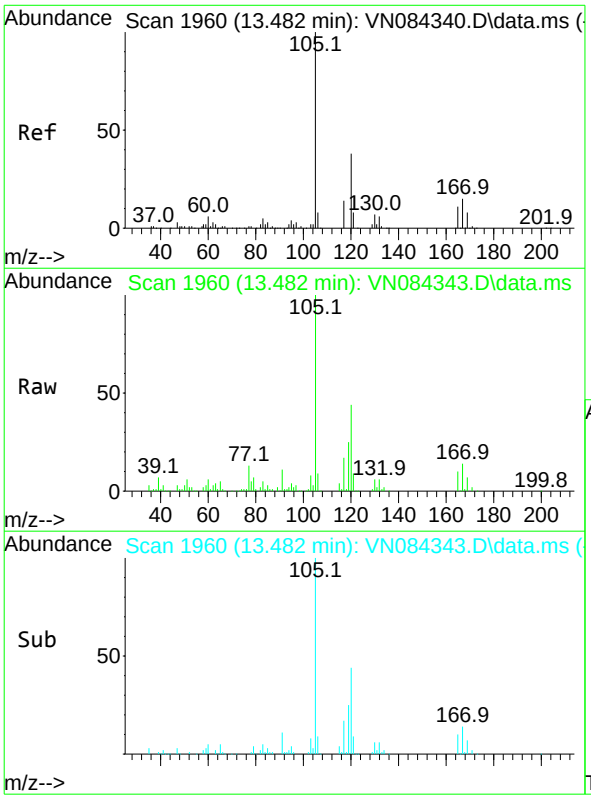
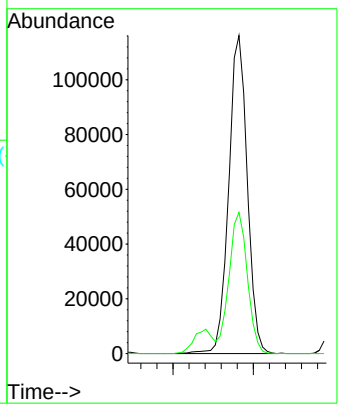
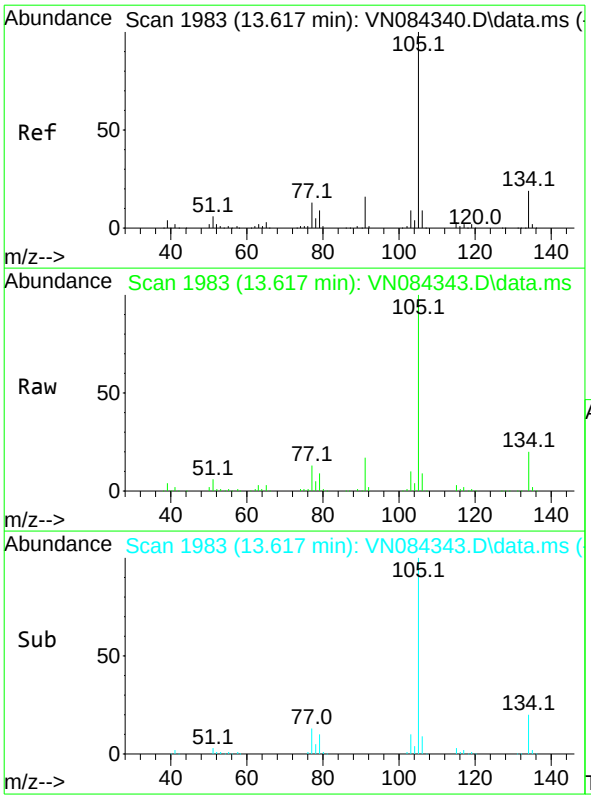


#80
1,2,4-Trimethylbenzene
Concen: 20.399 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 186446

Ion	Ratio	Lower	Upper
105	100		
120	44.1	0.0	88.8

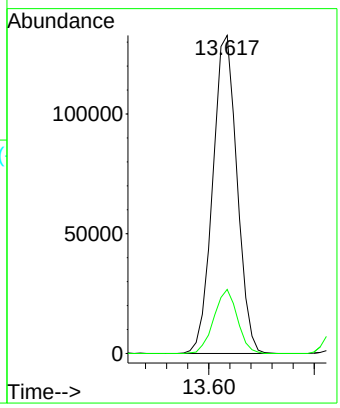




#81
sec-Butylbenzene
Concen: 20.077 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 212421

Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
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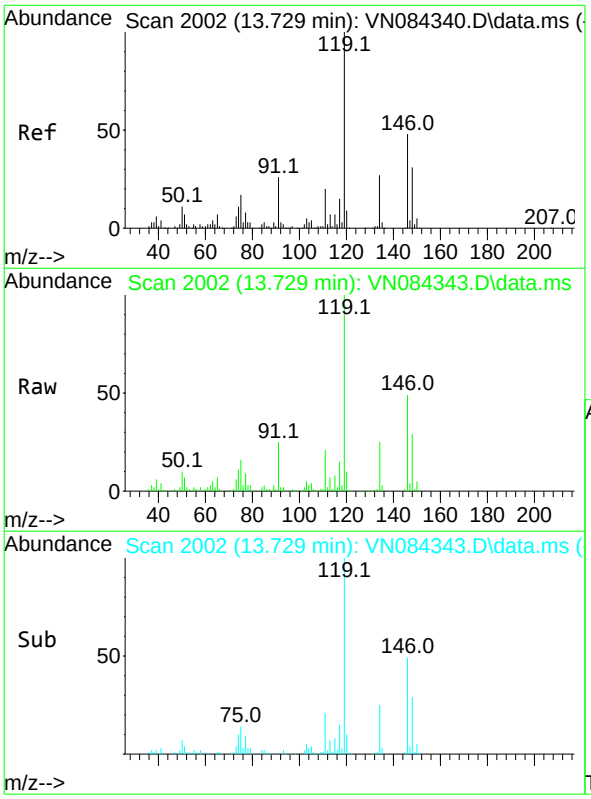
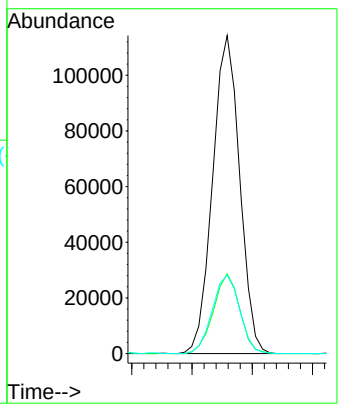
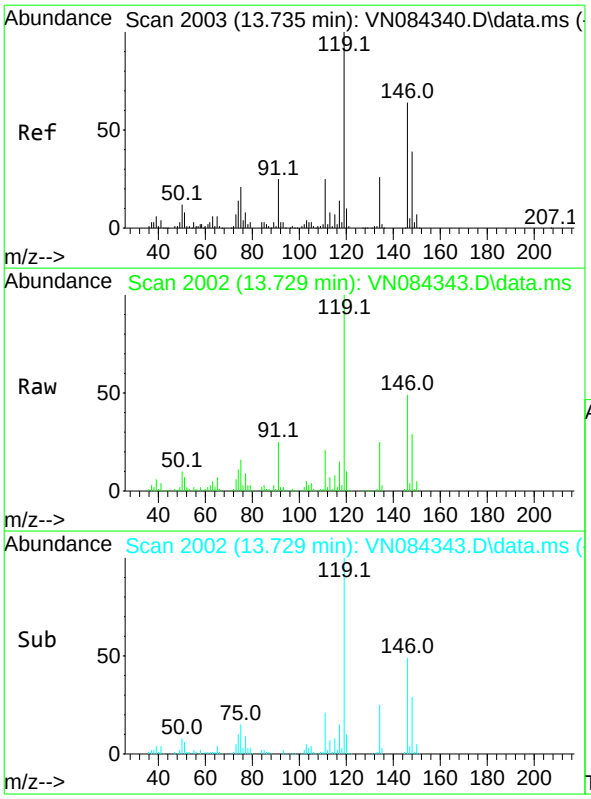


#82
p-Isopropyltoluene
Concen: 20.018 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:119 Resp: 178265

Ion	Ratio	Lower	Upper
119	100		
134	24.4	0.0	50.2
91	25.0	0.0	50.6

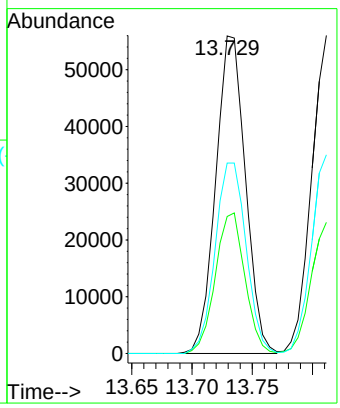




#83
1,3-Dichlorobenzene
Concen: 19.955 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:146 Resp: 96137

Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.6	61.9
148	62.5	31.6	94.7



Instrument :
MSVOA_N
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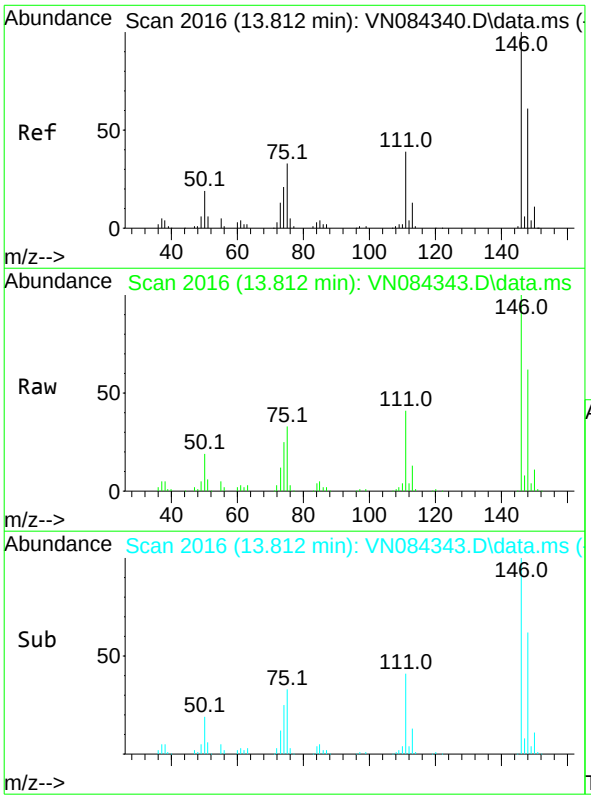
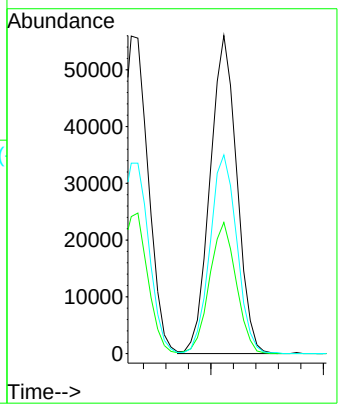
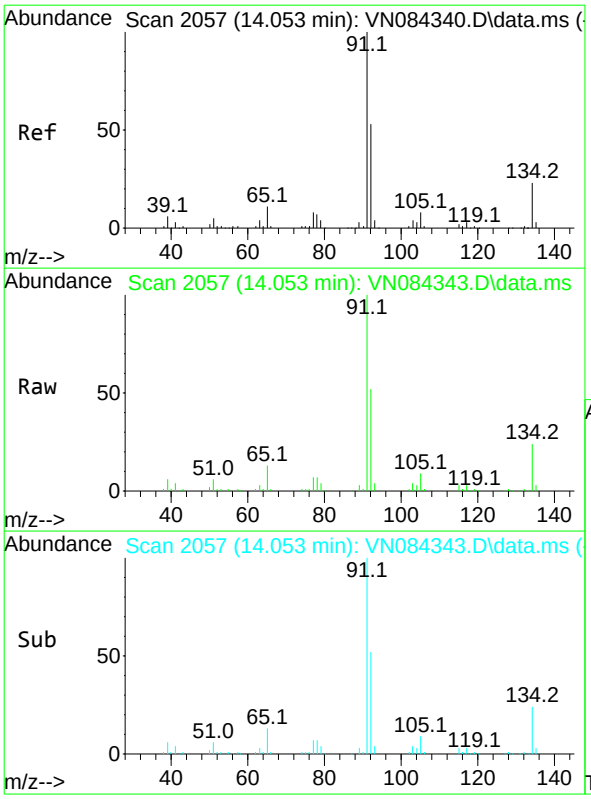


#84
1,4-Dichlorobenzene
Concen: 19.380 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:146 Resp: 92714

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	62.8	32.5	97.4

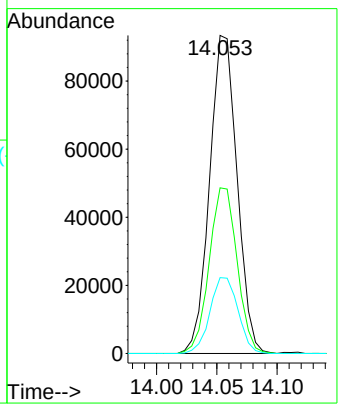




#85
n-Butylbenzene
Concen: 19.215 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 148207

Ion	Ratio	Lower	Upper
91	100		
92	53.0	0.0	103.4
134	24.3	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
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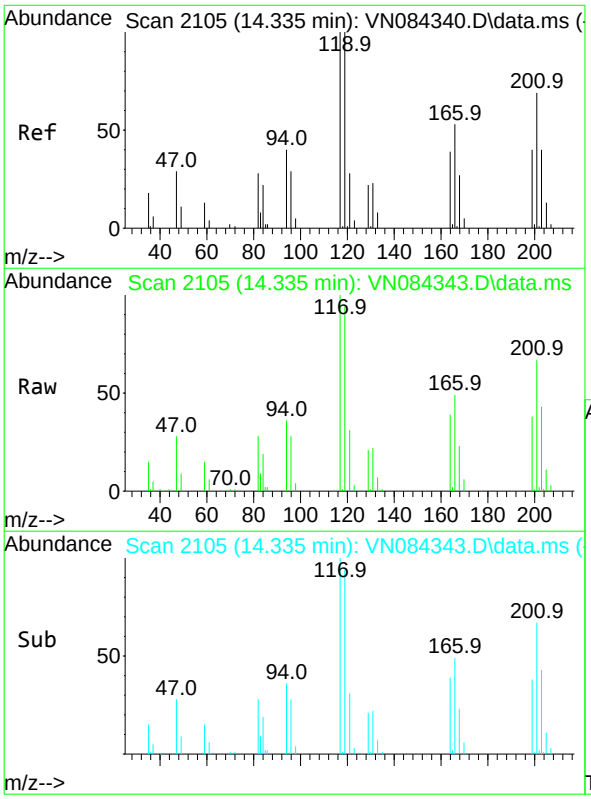
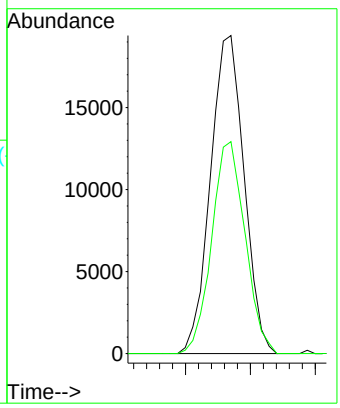
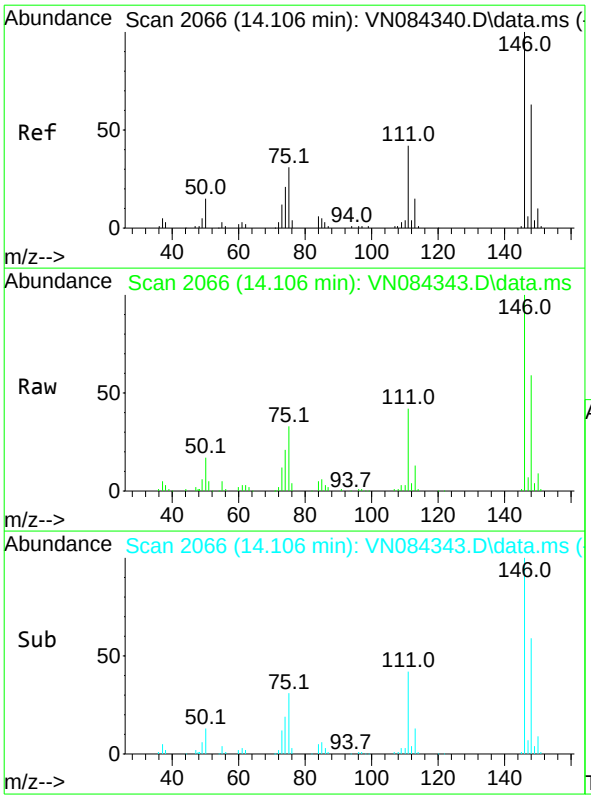


#86
Hexachloroethane
Concen: 20.356 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:117 Resp: 34925

Ion	Ratio	Lower	Upper
117	100		
201	66.0	33.9	101.6

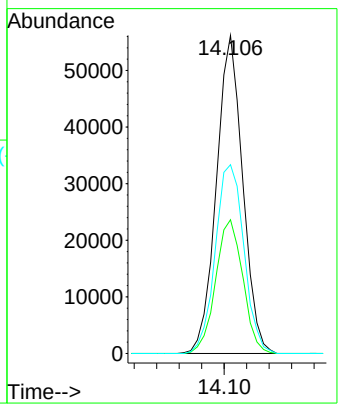




#87
1,2-Dichlorobenzene
Concen: 19.610 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:146 Resp: 91342

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.5
148	64.7	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

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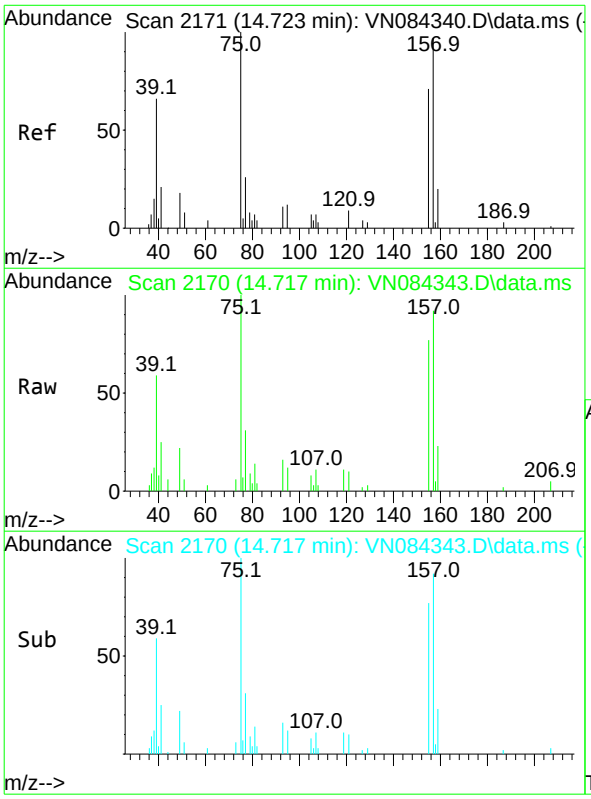
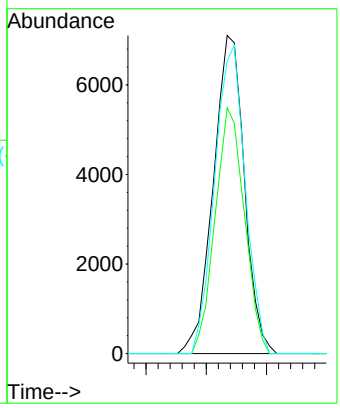
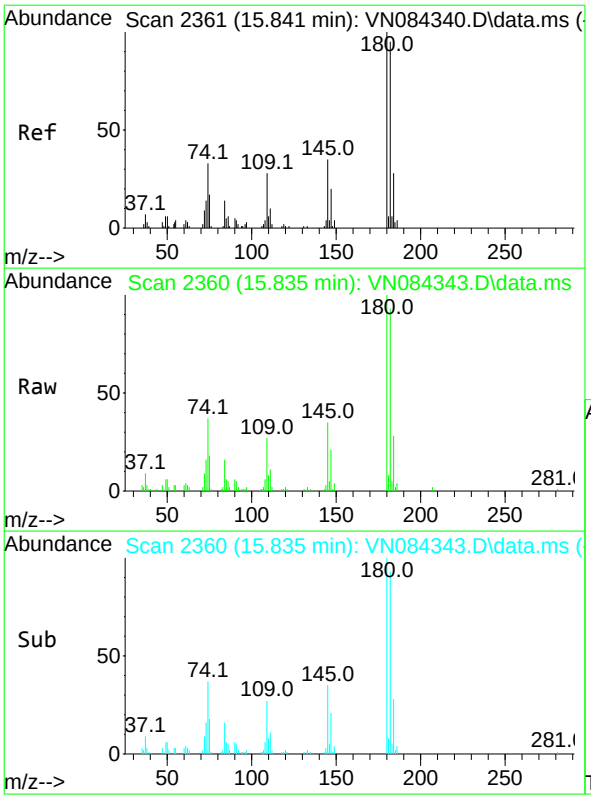


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.815 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 12734

Ion	Ratio	Lower	Upper
75	100		
155	72.7	61.8	92.8
157	95.1	77.4	116.0

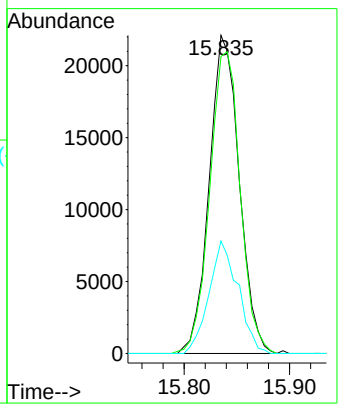




#89
1,2,4-Trichlorobenzene
Concen: 18.038 ug/l
RT: 15.835 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:180 Resp: 43683

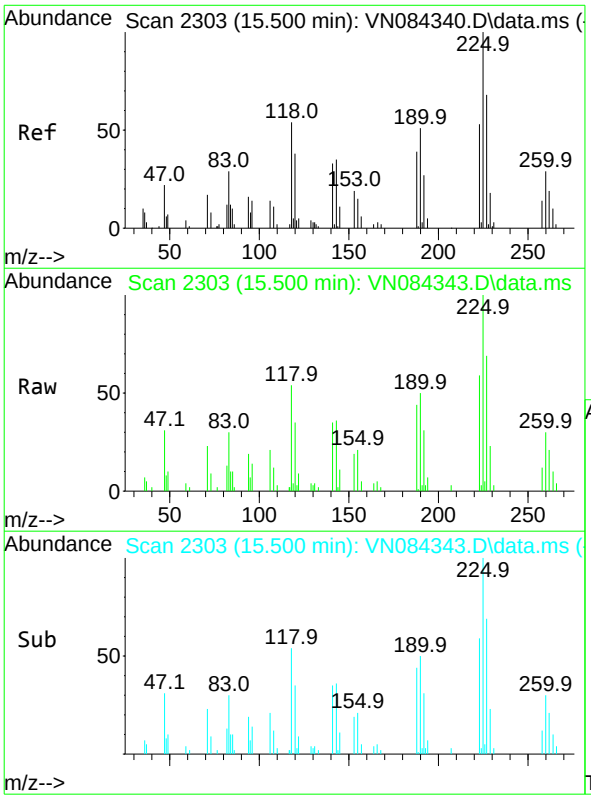
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.8	116.6
145	34.4	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

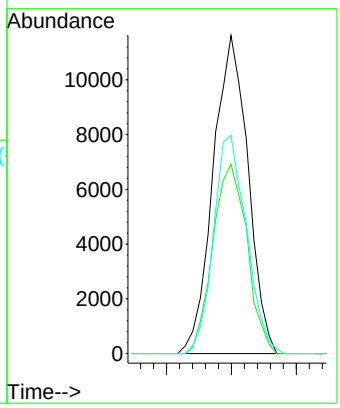
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024

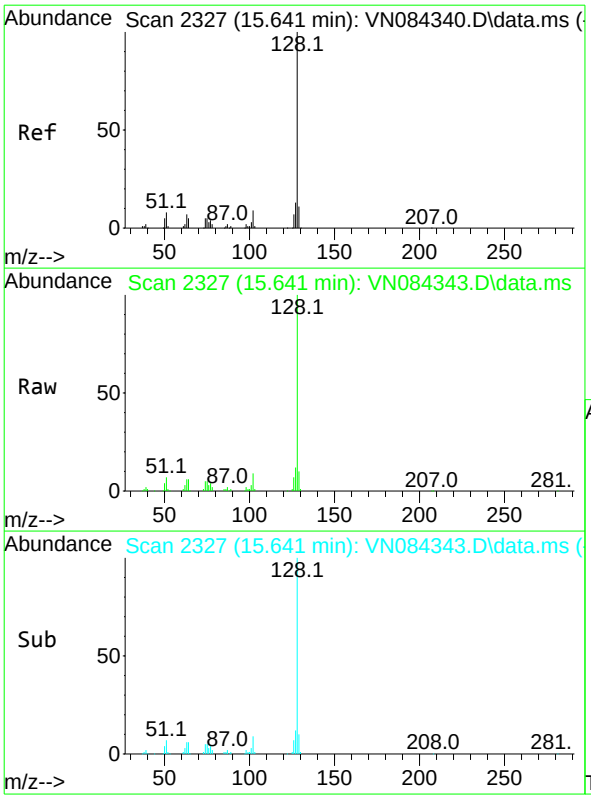


#90
Hexachlorobutadiene
Concen: 19.335 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:225 Resp: 21663

Ion	Ratio	Lower	Upper
225	100		
223	58.4	0.0	124.0
227	65.1	0.0	130.8

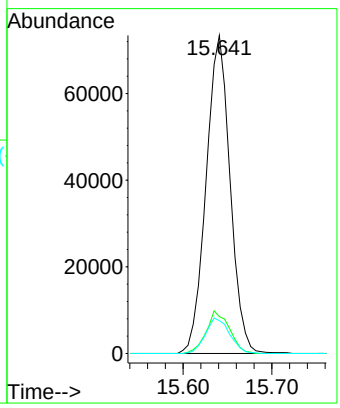




#91
Naphthalene
Concen: 16.790 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:128 Resp: 137791

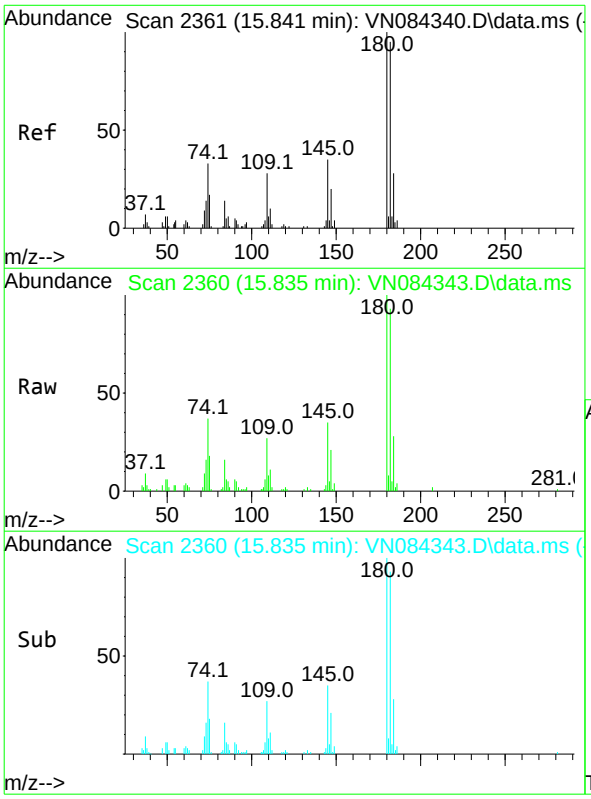
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Manual Integrations APPROVED

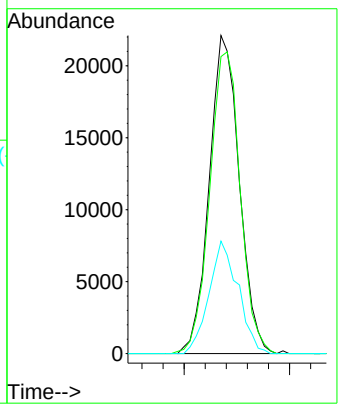
Reviewed By :John Carlone 10/09/2024
Supervised By :Mahesh Dadoda 10/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 18.038 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:180 Resp: 43683

Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	194.4
145	34.4	0.0	72.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 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	Bromochloromethane	1.000	1.000	0.0	103	0.00
2	M	Dichlorodifluoromethane	1.832	1.811	1.1	97	0.00
3	M	Chloromethane	2.084	2.079	0.2	100	0.00
4	M	Vinyl Chloride	2.044	2.070	-1.3	102	0.00
5	M	Bromomethane	1.354	1.335	1.4	97	0.00
6	M	Chloroethane	1.340	1.370	-2.2	101	0.00
7	M	Trichlorofluoromethane	3.329	3.232	2.9	98	0.00
8	T	Diethyl Ether	1.224	1.196	2.3	100	0.00
9		1,1,2-Trichlorotrifluoroeth	1.872	1.922	-2.7	105	0.01
10	M	1,1-Dichloroethene	1.868	1.806	3.3	102	0.00
11		Methyl Iodide	2.455	2.363	3.7	99	0.00
12		Methyl Acetate	2.339	2.219	5.1	100	0.00
13	M	Acrolein	0.434	0.410	5.5	105	0.00
14	M	Acrylonitrile	1.051	0.975	7.2	94	0.00
15	M	Acetone	0.300	0.333	-11.0	120	0.00
16	M	Carbon Disulfide	5.562	5.286	5.0	96	0.00
17		Allyl chloride	3.028	2.886	4.7	96	0.00
18	M	Methylene Chloride	2.104	2.118	-0.7	102	0.00
19	M	trans-1,2-Dichloroethene	1.977	1.921	2.8	99	0.00
20	T	Diisopropyl ether	6.510	6.628	-1.8	103	0.00
21	M	1,1-Dichloroethane	3.736	3.726	0.3	100	0.00
22	M	cis-1,2-Dichloroethene	2.300	2.294	0.3	100	0.00
23	M	tert-Butyl Alcohol	0.403	0.361	10.4	94	0.00
24	M	Methyl tert-Butyl Ether	6.242	6.148	1.5	101	0.00
25	M	Chloroform	3.783	3.847	-1.7	102	0.00
26		Cyclohexane	3.124	2.957	5.3	93	0.00
27	s	1,2-Dichloroethane-d4	2.415	2.416	-0.0	101	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29		1,1-Dichloropropene	0.492	0.493	-0.2	100	0.00
30	M	2-Butanone	0.262	0.264	-0.8	103	0.00
31		2,2-Dichloropropane	0.579	0.608	-5.0	106	0.00
32	M	1,1,1-Trichloroethane	0.629	0.647	-2.9	100	0.00
33	M	Carbon Tetrachloride	0.545	0.546	-0.2	101	0.00
34	M	Benzene	1.542	1.557	-1.0	100	0.00
35		Methacrylonitrile	0.280	0.273	2.5	100	0.00
36	M	1,2-Dichloroethane	0.514	0.522	-1.6	100	0.00
37	M	Trichloroethene	0.355	0.360	-1.4	99	0.00
38		Methylcyclohexane	0.541	0.536	0.9	103	0.00
39	M	1,2-Dichloropropane	0.376	0.384	-2.1	100	0.00
40		Dibromomethane	0.263	0.266	-1.1	101	0.00
41	M	Bromodichloromethane	0.558	0.560	-0.4	100	0.00
42	M	Vinyl Acetate	0.912	0.901	1.2	102	0.00
43		Ethyl Acetate	0.517	0.490	5.2	96	0.00
44		Isopropyl Acetate	0.846	0.822	2.8	98	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	96	0.00
46		Methyl methacrylate	0.409	0.396	3.2	98	0.00
47		n-amyl Acetate	0.753	0.731	2.9	99	0.00
48	M	t-1,3-Dichloropropene	0.576	0.579	-0.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 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	cis-1,3-Dichloropropene	0.604	0.622	-3.0	102	0.00
50	M	1,1,2-Trichloroethane	0.353	0.354	-0.3	100	0.00
51		Ethyl methacrylate	0.583	0.573	1.7	100	0.00
52		1,3-Dichloropropane	0.617	0.620	-0.5	99	0.00
53	M	Dibromochloromethane	0.417	0.422	-1.2	102	0.00
54	M	1,2-Dibromoethane	0.364	0.355	2.5	96	0.00
55	M	2-Chloroethyl vinyl ether	0.265	0.233	12.1	93	0.00
56	M	Bromoform	0.277	0.278	-0.4	106	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58	M	4-Methyl-2-Pentanone	0.559	0.544	2.7	97	0.00
59	M	2-Hexanone	0.415	0.413	0.5	101	0.00
60	S	4-Bromofluorobenzene	0.495	0.508	-2.6	103	0.00
61	M	Tetrachloroethene	0.339	0.347	-2.4	102	0.00
62	M	Toluene	1.756	1.805	-2.8	102	0.00
63	S	Toluene-d8	1.390	1.407	-1.2	101	0.00
64	M	Chlorobenzene	1.093	1.091	0.2	100	0.00
65		1,1,1,2-Tetrachloroethane	0.380	0.383	-0.8	100	0.00
66	M	Ethyl Benzene	1.908	1.912	-0.2	101	0.00
67	M	m/p-Xylenes	0.724	0.749	-3.5	103	0.00
68	M	o-Xylene	0.698	0.700	-0.3	101	0.00
69	M	Styrene	1.198	1.205	-0.6	102	0.00
70		Isopropylbenzene	1.781	1.774	0.4	99	0.00
71	M	1,1,2,2-Tetrachloroethane	0.551	0.549	0.4	100	0.00
72		1,2,3-Trichloropropane	0.472	0.532	-12.7	114	0.00
73		Bromobenzene	0.431	0.431	0.0	101	0.00
74		n-propylbenzene	2.123	2.172	-2.3	103	0.00
75		2-Chlorotoluene	1.319	1.319	0.0	100	0.00
76		1,3,5-Trimethylbenzene	1.500	1.514	-0.9	102	0.00
77		t-1,4-Dichloro-2-butene	0.202	0.190	5.9	102	0.00
78		4-Chlorotoluene	1.341	1.341	0.0	101	0.00
79		tert-butylbenzene	1.279	1.292	-1.0	102	0.00
80		1,2,4-Trimethylbenzene	1.522	1.552	-2.0	103	0.00
81		sec-Butylbenzene	1.762	1.768	-0.3	101	0.00
82		p-Isopropyltoluene	1.483	1.484	-0.1	103	0.00
83	M	1,3-Dichlorobenzene	0.802	0.800	0.2	101	0.00
84	M	1,4-Dichlorobenzene	0.796	0.772	3.0	101	0.00
85		n-Butylbenzene	1.284	1.234	3.9	103	0.00
86	T	Hexachloroethane	0.286	0.291	-1.7	104	0.00
87	M	1,2-Dichlorobenzene	0.775	0.760	1.9	100	0.00
88		1,2-Dibromo-3-Chloropropane	0.113	0.106	6.2	96	0.00
89		1,2,4-Trichlorobenzene	0.403	0.364	9.7	95	0.00
90		Hexachlorobutadiene	0.187	0.180	3.7	104	0.00
91	M	Naphthalene	1.366	1.147	16.0	89	0.00
92		1,2,3-Trichlorobenzene	0.403	0.364	9.7	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 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	Bromochloromethane	30.000	30.000	0.0	103	0.00
2	M	Dichlorodifluoromethane	20.000	19.774	1.1	97	0.00
3	M	Chloromethane	20.000	19.953	0.2	100	0.00
4	M	Vinyl Chloride	20.000	20.252	-1.3	102	0.00
5	M	Bromomethane	20.000	19.713	1.4	97	0.00
6	M	Chloroethane	20.000	20.448	-2.2	101	0.00
7	M	Trichlorofluoromethane	20.000	19.412	2.9	98	0.00
8	T	Diethyl Ether	20.000	19.540	2.3	100	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.532	-2.7	105	0.01
10	M	1,1-Dichloroethene	20.000	19.334	3.3	102	0.00
11		Methyl Iodide	20.000	19.255	3.7	99	0.00
12		Methyl Acetate	20.000	18.975	5.1	100	0.00
13	M	Acrolein	100.000	94.270	5.7	105	0.00
14	M	Acrylonitrile	100.000	92.817	7.2	94	0.00
15	M	Acetone	100.000	111.112	-11.1	120	0.00
16	M	Carbon Disulfide	20.000	19.006	5.0	96	0.00
17		Allyl chloride	20.000	19.060	4.7	96	0.00
18	M	Methylene Chloride	20.000	20.135	-0.7	102	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.434	2.8	99	0.00
20	T	Diisopropyl ether	20.000	20.360	-1.8	103	0.00
21	M	1,1-Dichloroethane	20.000	19.948	0.3	100	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.943	0.3	100	0.00
23	M	tert-Butyl Alcohol	100.000	89.659	10.3	94	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.696	1.5	101	0.00
25	M	Chloroform	20.000	20.334	-1.7	102	0.00
26		Cyclohexane	20.000	18.931	5.3	93	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.009	-0.0	101	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29		1,1-Dichloropropene	20.000	20.028	-0.1	100	0.00
30	M	2-Butanone	100.000	100.675	-0.7	103	0.00
31		2,2-Dichloropropane	20.000	21.007	-5.0	106	0.00
32	M	1,1,1-Trichloroethane	20.000	20.543	-2.7	100	0.00
33	M	Carbon Tetrachloride	20.000	20.040	-0.2	101	0.00
34	M	Benzene	20.000	20.195	-1.0	100	0.00
35		Methacrylonitrile	20.000	19.515	2.4	100	0.00
36	M	1,2-Dichloroethane	20.000	20.321	-1.6	100	0.00
37	M	Trichloroethene	20.000	20.265	-1.3	99	0.00
38		Methylcyclohexane	20.000	19.810	1.0	103	0.00
39	M	1,2-Dichloropropane	20.000	20.404	-2.0	100	0.00
40		Dibromomethane	20.000	20.242	-1.2	101	0.00
41	M	Bromodichloromethane	20.000	20.087	-0.4	100	0.00
42	M	Vinyl Acetate	100.000	98.798	1.2	102	0.00
43		Ethyl Acetate	20.000	18.961	5.2	96	0.00
44		Isopropyl Acetate	20.000	19.419	2.9	98	0.00
45	T	1,4-Dioxane	400.000	360.927	9.8	96	0.00
46		Methyl methacrylate	20.000	19.353	3.2	98	0.00
47		n-amyl Acetate	20.000	19.421	2.9	99	0.00
48	M	t-1,3-Dichloropropene	20.000	20.107	-0.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 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	cis-1,3-Dichloropropene	20.000	20.591	-3.0	102	0.00
50	M	1,1,2-Trichloroethane	20.000	20.034	-0.2	100	0.00
51		Ethyl methacrylate	20.000	19.639	1.8	100	0.00
52		1,3-Dichloropropane	20.000	20.070	-0.4	99	0.00
53	M	Dibromochloromethane	20.000	20.221	-1.1	102	0.00
54	M	1,2-Dibromoethane	20.000	19.530	2.3	96	0.00
55	M	2-Chloroethyl vinyl ether	100.000	88.171	11.8	93	0.00
56	M	Bromoform	20.000	20.113	-0.6	106	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	100	0.00
58	M	4-Methyl-2-Pentanone	100.000	97.392	2.6	97	0.00
59	M	2-Hexanone	100.000	99.486	0.5	101	0.00
60	S	4-Bromofluorobenzene	30.000	30.784	-2.6	103	0.00
61	M	Tetrachloroethene	20.000	20.477	-2.4	102	0.00
62	M	Toluene	20.000	20.551	-2.8	102	0.00
63	S	Toluene-d8	30.000	30.377	-1.3	101	0.00
64	M	Chlorobenzene	20.000	19.960	0.2	100	0.00
65		1,1,1,2-Tetrachloroethane	20.000	20.169	-0.8	100	0.00
66	M	Ethyl Benzene	20.000	20.038	-0.2	101	0.00
67	M	m/p-Xylenes	40.000	41.370	-3.4	103	0.00
68	M	o-Xylene	20.000	20.070	-0.4	101	0.00
69	M	Styrene	20.000	20.124	-0.6	102	0.00
70		Isopropylbenzene	20.000	19.923	0.4	99	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.932	0.3	100	0.00
72		1,2,3-Trichloropropane	20.000	22.527	-12.6	114	0.00
73		Bromobenzene	20.000	19.992	0.0	101	0.00
74		n-propylbenzene	20.000	20.467	-2.3	103	0.00
75		2-Chlorotoluene	20.000	20.001	-0.0	100	0.00
76		1,3,5-Trimethylbenzene	20.000	20.196	-1.0	102	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.889	5.6	102	0.00
78		4-Chlorotoluene	20.000	20.008	-0.0	101	0.00
79		tert-butylbenzene	20.000	20.197	-1.0	102	0.00
80		1,2,4-Trimethylbenzene	20.000	20.399	-2.0	103	0.00
81		sec-Butylbenzene	20.000	20.077	-0.4	101	0.00
82		p-Isopropyltoluene	20.000	20.018	-0.1	103	0.00
83	M	1,3-Dichlorobenzene	20.000	19.955	0.2	101	0.00
84	M	1,4-Dichlorobenzene	20.000	19.380	3.1	101	0.00
85		n-Butylbenzene	20.000	19.215	3.9	103	0.00
86	T	Hexachloroethane	20.000	20.356	-1.8	104	0.00
87	M	1,2-Dichlorobenzene	20.000	19.610	2.0	100	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.815	5.9	96	0.00
89		1,2,4-Trichlorobenzene	20.000	18.038	9.8	95	0.00
90		Hexachlorobutadiene	20.000	19.335	3.3	104	0.00
91	M	Naphthalene	20.000	16.790	16.1	89	0.00
92		1,2,3-Trichlorobenzene	20.000	18.038	9.8	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 10:04

Lab File ID: VN084504.D Init. Calib. Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:43 11:19

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.832	1.676		-8.52	
Chloromethane	2.084	1.831		-12.14	
Vinyl Chloride	2.044	1.874	0.1	-8.32	
Bromomethane	1.354	1.189	0.1	-12.19	
Chloroethane	1.340	1.274		-4.93	
Trichlorofluoromethane	3.329	3.123		-6.19	
1,1,2-Trichlorotrifluoroethane	1.872	1.862		-0.53	
1,1-Dichloroethene	1.868	1.715	0.1	-8.19	
Acrolein	0.434	0.431		-0.69	
Acrylonitrile	1.051	0.953		-9.32	
Acetone	0.300	0.368		22.67	
Carbon Disulfide	5.562	4.632		-16.72	
Methyl tert-Butyl Ether	6.242	5.963		-4.47	
Methyl Acetate	2.339	2.483		6.16	
Methylene Chloride	2.104	1.939		-7.84	
trans-1,2-Dichloroethene	1.977	1.797		-9.1	
1,1-Dichloroethane	3.736	3.621	0.2	-3.08	
Cyclohexane	0.570	0.489		-14.21	
2-Butanone	0.262	0.252		-3.82	
Carbon Tetrachloride	0.545	0.504	0.1	-7.52	
2,2-Dichloropropane	0.579	0.569		-1.73	
cis-1,2-Dichloroethene	2.300	2.240		-2.61	
Chloroform	3.783	3.824	0.2	1.08	
1,1,1-Trichloroethane	0.629	0.603	0.1	-4.13	
Methylcyclohexane	0.541	0.486		-10.17	
1,1-Dichloropropene	0.492	0.447		-9.15	
Benzene	1.542	1.442	0.5	-6.49	
1,2-Dichloroethane	0.514	0.488	0.1	-5.06	
Trichloroethene	0.355	0.335	0.3	-5.63	
1,2-Dichloropropane	0.376	0.353		-6.12	
Dibromomethane	0.263	0.248		-5.7	
Bromodichloromethane	0.558	0.524	0.2	-6.09	
4-Methyl-2-Pentanone	0.559	0.530		-5.19	
Toluene	1.756	1.683	0.4	-4.16	
t-1,3-Dichloropropene	0.576	0.532	0.1	-7.64	
cis-1,3-Dichloropropene	0.604	0.565	0.2	-6.46	
1,1,2-Trichloroethane	0.353	0.335	0.1	-5.1	
1,3-Dichloropropane	0.617	0.579		-6.16	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 10:04

Lab File ID: VN084504.D Init. Calib. Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:43 11:19

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
2-Hexanone	0.415	0.406		-2.17	
Dibromochloromethane	0.417	0.392	0.1	-5.99	
1,2-Dibromoethane	0.364	0.334		-8.24	
Tetrachloroethene	0.339	0.348	0.2	2.65	
Chlorobenzene	1.093	1.036	0.5	-5.22	
1,1,1,2-Tetrachloroethane	0.380	0.376		-1.05	
Hexachloroethane	0.286	0.267		-6.64	
Ethyl Benzene	1.908	1.839	0.1	-3.62	
m/p-Xylenes	0.724	0.700	0.3	-3.32	
o-Xylene	0.698	0.660	0.3	-5.44	
Styrene	1.198	1.135	0.3	-5.26	
Bromoform	0.277	0.257	0.1	-7.22	
Isopropylbenzene	1.781	1.702		-4.44	
1,1,2,2-Tetrachloroethane	0.551	0.534	0.3	-3.09	
1,2,3-Trichloropropane	0.472	0.431		-8.69	
Bromobenzene	0.431	0.413		-4.18	
n-propylbenzene	2.123	2.073		-2.36	
2-Chlorotoluene	1.319	1.281		-2.88	
1,3,5-Trimethylbenzene	1.500	1.481		-1.27	
4-Chlorotoluene	1.341	1.299		-3.13	
tert-butylbenzene	1.279	1.245		-2.66	
1,2,4-Trimethylbenzene	1.522	1.452		-4.6	
sec-Butylbenzene	1.762	1.726		-2.04	
p-Isopropyltoluene	1.483	1.429		-3.64	
1,3-Dichlorobenzene	0.802	0.774	0.2	-3.49	
1,4-Dichlorobenzene	0.796	0.772	0.2	-3.02	
n-Butylbenzene	1.284	1.218		-5.14	
1,2-Dichlorobenzene	0.775	0.774	0.2	-0.13	
1,2-Dibromo-3-Chloropropane	0.113	0.109		-3.54	
1,2,4-Trichlorobenzene	0.403	0.370	0.2	-8.19	
Hexachlorobutadiene	0.187	0.184		-1.6	
Naphthalene	1.366	1.162		-14.93	
1,2,3-Trichlorobenzene	0.403	0.370		-8.19	
1,2-Dichloroethane-d4	2.415	2.412	0.01	-0.12	
Toluene-d8	1.390	1.390	0.01	0	
4-Bromofluorobenzene	0.495	0.511	0.2	3.23	
Methyl Iodide	2.455	2.262		-7.86	
Methyl methacrylate	0.409	0.351		-14.18	

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\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	35506	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	200200	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	180518	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	85643	29.960	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.867%				
60) 4-Bromofluorobenzene	12.847	95	92192	30.944	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.133%				
63) Toluene-d8	10.565	98	251001	30.014	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.033%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	39661	18.295	ug/l		98
3) Chloromethane	2.359	50	43348	17.572	ug/l		100
4) Vinyl Chloride	2.518	62	44364	18.338	ug/l		98
5) Bromomethane	2.959	94	28146	17.561	ug/l		90
6) Chloroethane	3.124	64	30160	19.017	ug/l		96
7) Trichlorofluoromethane	3.501	101	73931	18.762	ug/l		89
8) Diethyl Ether	3.959	74	27242	18.804	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.377	101	44085	19.897	ug/l		62
10) 1,1-Dichloroethene	4.342	96	40585	18.358	ug/l		91
11) Methyl Iodide	4.595	142	53535	18.427	ug/l		96
12) Methyl Acetate	5.024	43	58784	21.239	ug/l		99
13) Acrolein	4.183	56	50962	99.121	ug/l		99
14) Acrylonitrile	5.724	53	112734	90.663	ug/l		98
15) Acetone	4.430	58	43514	122.505	ug/l		98
16) Carbon Disulfide	4.712	76	109654	16.656	ug/l		100
17) Allyl chloride	5.024	41	66059	18.433	ug/l		90
18) Methylene Chloride	5.283	84	45898	18.429	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	42534	18.179	ug/l		95
20) Diisopropyl ether	6.665	45	146490	19.011	ug/l	#	98
21) 1,1-Dichloroethane	6.565	63	85721	19.388	ug/l		97
22) cis-1,2-Dichloroethene	7.483	96	53018	19.473	ug/l		98
23) tert-Butyl Alcohol	5.518	59	43059	90.279	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	141150	19.105	ug/l	#	84
25) Chloroform	7.965	83	90521	20.215	ug/l		98
26) Cyclohexane	8.253	56	65248	17.645	ug/l	#	95
29) 1,1-Dichloropropene	8.371	75	59606	18.137	ug/l		98
30) 2-Butanone	7.483	43	168367	96.222	ug/l		100
31) 2,2-Dichloropropane	7.488	77	75888	19.650	ug/l	#	82
32) 1,1,1-Trichloroethane	8.165	97	80476	19.158	ug/l		99
33) Carbon Tetrachloride	8.359	117	67238	18.476	ug/l		98
34) Benzene	8.606	78	192502	18.712	ug/l	#	93
35) Methacrylonitrile	7.777	41	33984	18.205	ug/l		95
36) 1,2-Dichloroethane	8.665	62	65072	18.977	ug/l		99
37) Trichloroethene	9.353	130	44712	18.875	ug/l		88
38) Methylcyclohexane	9.600	83	64890	17.975	ug/l		98
39) 1,2-Dichloropropane	9.618	63	47058	18.758	ug/l		97
40) Dibromomethane	9.706	93	33034	18.841	ug/l		98
41) Bromodichloromethane	9.888	83	69922	18.785	ug/l		98
42) Vinyl Acetate	6.600	43	537529	88.329	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58695	17.008	ug/l	95
44) Isopropyl Acetate	8.688	43	129797m	22.980	ug/l	
45) 1,4-Dioxane	9.694	88	17930	352.143	ug/l	97
46) Methyl methacrylate	9.677	41	46876	17.177	ug/l	96
47) n-amyl Acetate	12.494	43	89176	17.750	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	71062	18.475	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	75370	18.697	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	44728	18.979	ug/l	96
51) Ethyl methacrylate	10.871	69	70772	18.181	ug/l	95
52) 1,3-Dichloropropane	11.159	76	77213	18.738	ug/l	99
53) Dibromochloromethane	11.359	129	52385	18.817	ug/l	99
54) 1,2-Dibromoethane	11.471	107	44557	18.368	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	156467	88.623	ug/l	99
56) Bromoform	12.576	173	34361	18.609	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	318910	94.836	ug/l	100
59) 2-Hexanone	11.194	43	244527	97.858	ug/l	100
61) Tetrachloroethene	11.106	164	41919	20.529	ug/l	98
62) Toluene	10.629	91	202597	19.171	ug/l	99
64) Chlorobenzene	11.888	112	124737	18.968	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	45259	19.810	ug/l	99
66) Ethyl Benzene	11.965	91	221348	19.279	ug/l	96
67) m/p-Xylenes	12.071	106	168410	38.666	ug/l	100
68) o-Xylene	12.394	106	79405	18.914	ug/l	99
69) Styrene	12.412	104	136543	18.946	ug/l	99
70) Isopropylbenzene	12.694	105	204870	19.115	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	64257	19.381	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	51869m	18.267	ug/l	
73) Bromobenzene	12.976	156	49657	19.131	ug/l	99
74) n-propylbenzene	13.035	91	249446	19.531	ug/l	99
75) 2-Chlorotoluene	13.123	91	154107	19.418	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	178201	19.747	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22508	18.550	ug/l	98
78) 4-Chlorotoluene	13.218	91	156277	19.368	ug/l	98
79) tert-butylbenzene	13.435	119	149853	19.464	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	174715	19.081	ug/l	99
81) sec-Butylbenzene	13.612	105	207746	19.600	ug/l	98
82) p-Isopropyltoluene	13.729	119	171934	19.272	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	93180	19.307	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	92963	19.397	ug/l	99
85) n-Butylbenzene	14.053	91	146629	18.976	ug/l	98
86) Hexachloroethane	14.329	117	32190	18.728	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	93148	19.962	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13174	19.430	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	44516	18.348	ug/l	97
90) Hexachlorobutadiene	15.500	225	22167	19.749	ug/l	95
91) Naphthalene	15.641	128	139887	17.015	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	44516	18.348	ug/l	97

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

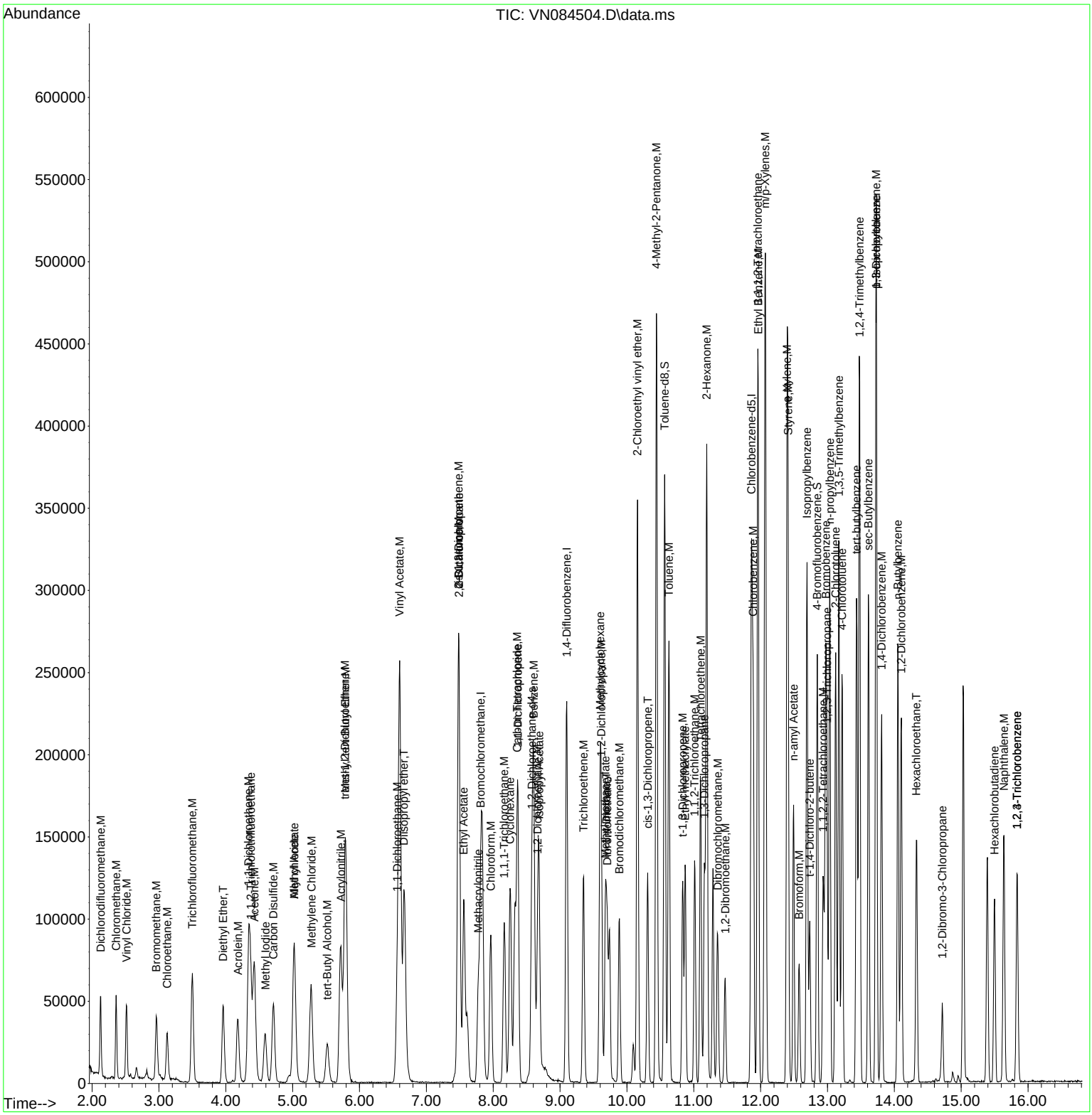
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

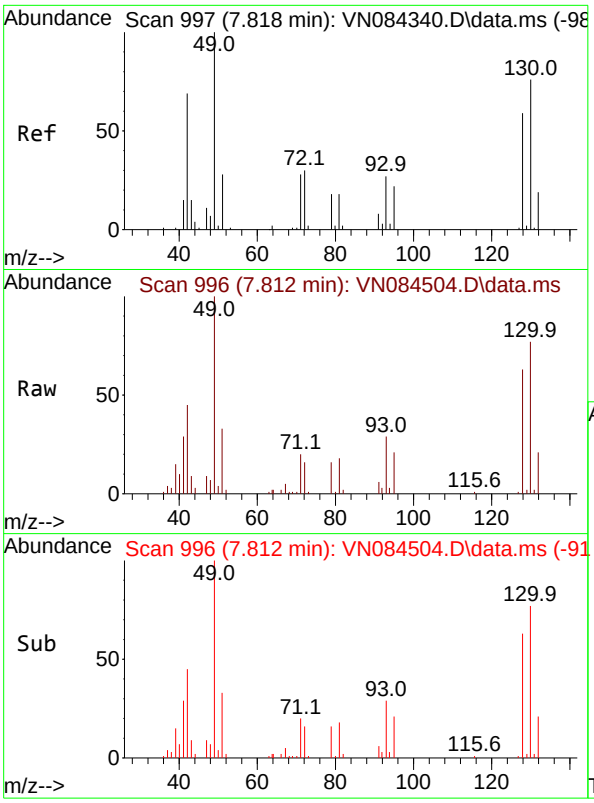
Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

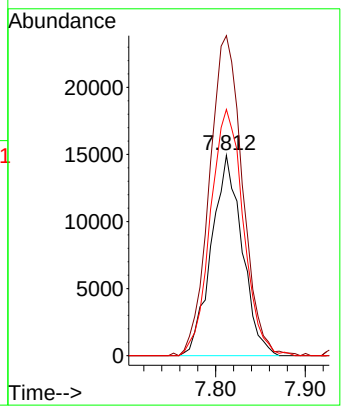




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:128 Resp: 3550

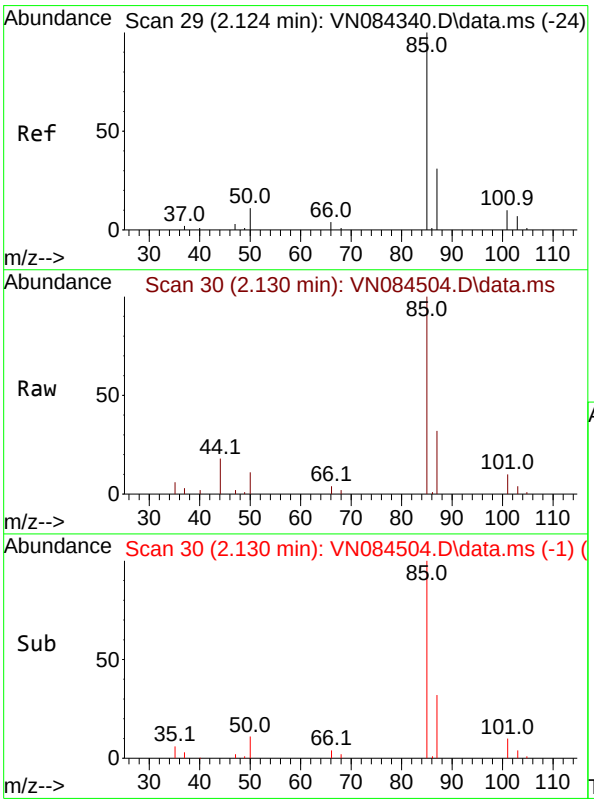
Ion	Ratio	Lower	Upper
128	100		
49	170.8	0.0	430.0
130	131.4	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

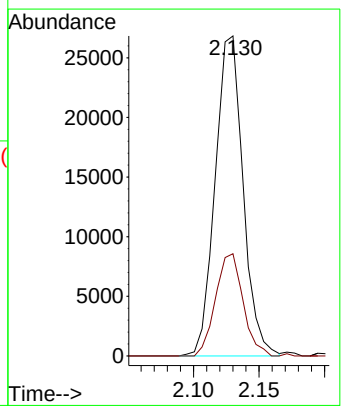
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

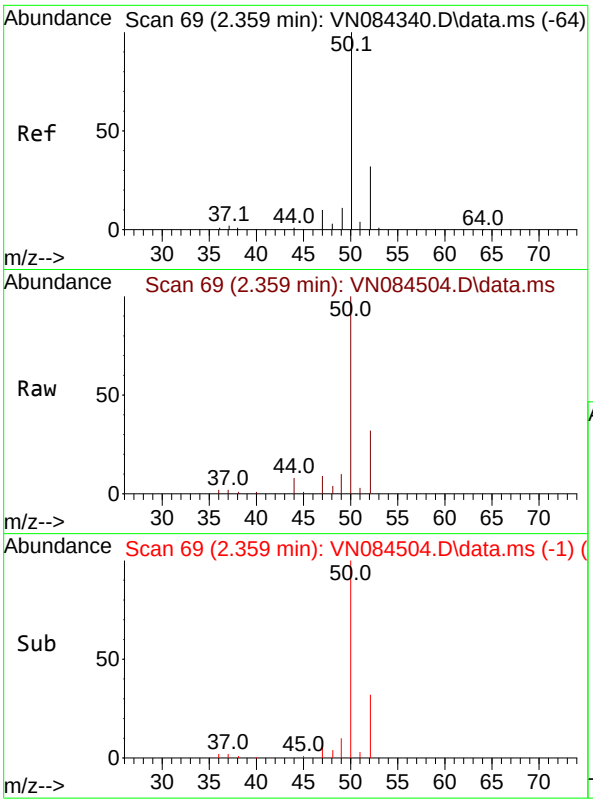


#2
Dichlorodifluoromethane
Concen: 18.295 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 85 Resp: 39661

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.4	46.4

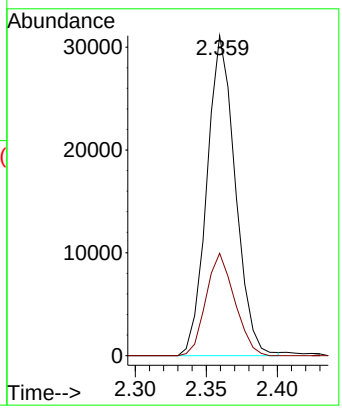




#3
Chloromethane
Concen: 17.572 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 50 Resp: 4334

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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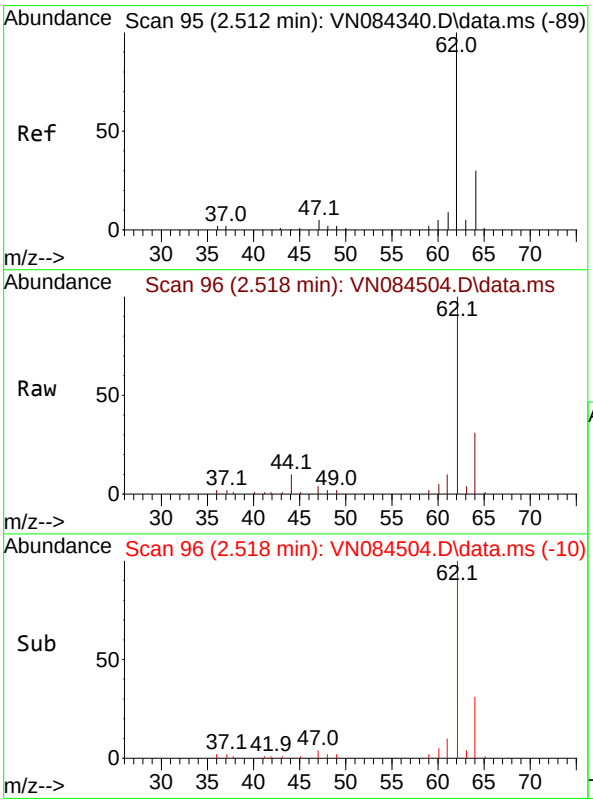
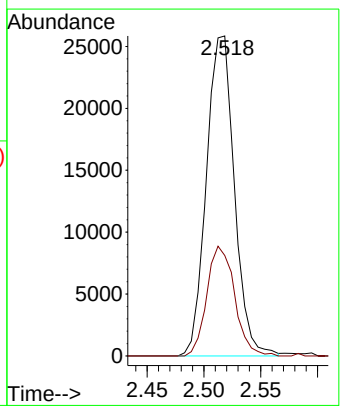
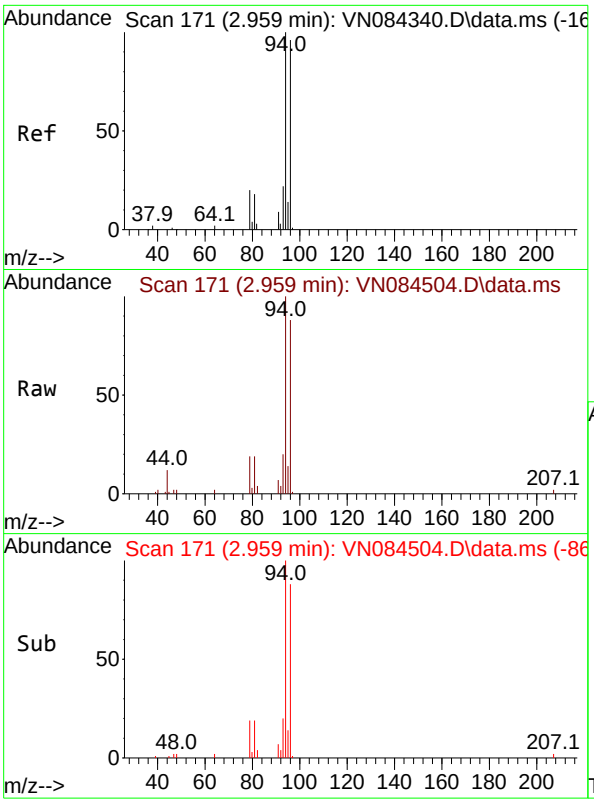


#4
Vinyl Chloride
Concen: 18.338 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 62 Resp: 44364

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5

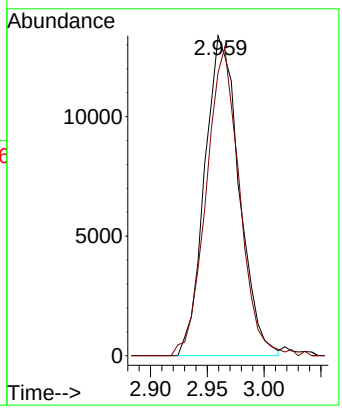




#5
Bromomethane
Concen: 17.561 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 94 Resp: 2814

Ion	Ratio	Lower	Upper
94	100		
96	86.4	76.7	115.1



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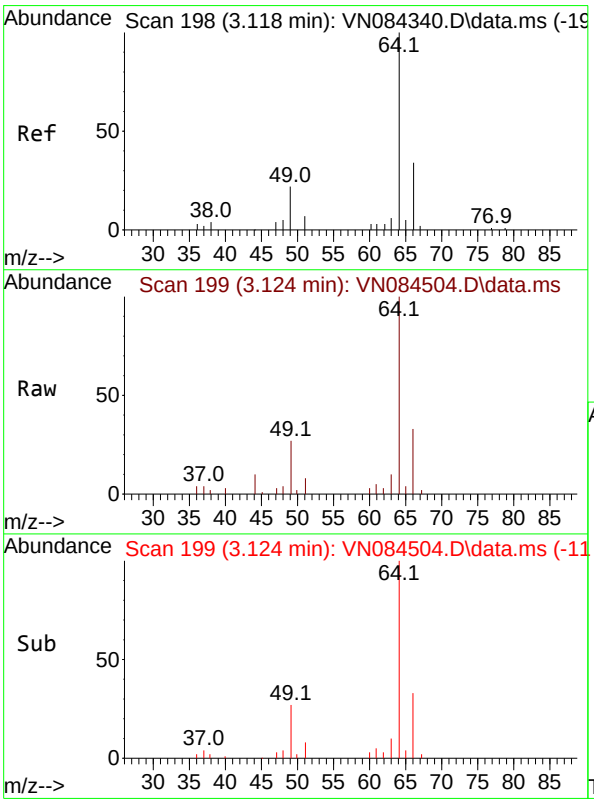
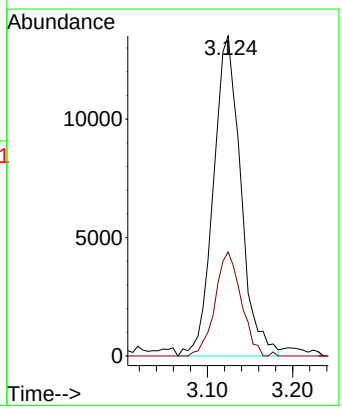
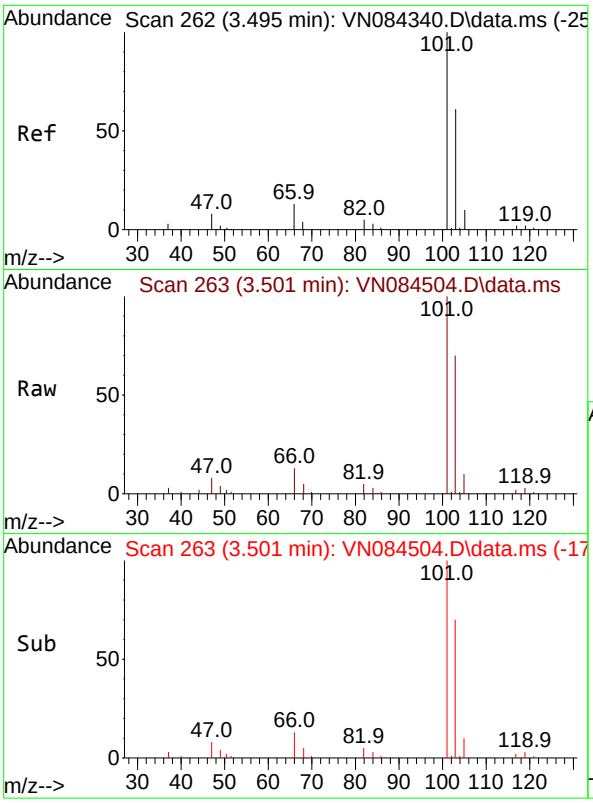


#6
Chloroethane
Concen: 19.017 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 64 Resp: 30160

Ion	Ratio	Lower	Upper
64	100		
66	32.5	27.7	41.5

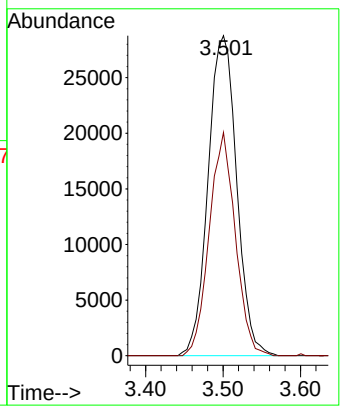




#7
Trichlorofluoromethane
Concen: 18.762 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:101 Resp: 7393

Ion	Ratio	Lower	Upper
101	100		
103	69.8	49.0	73.6



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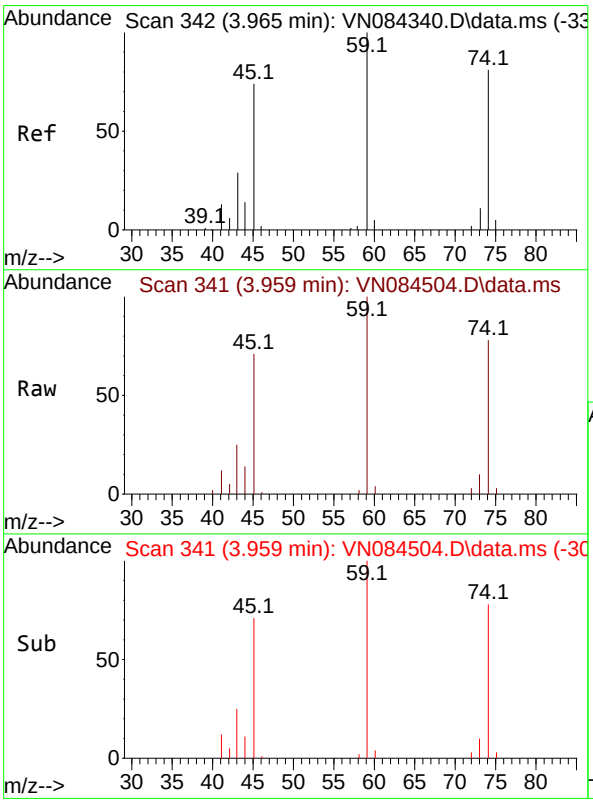
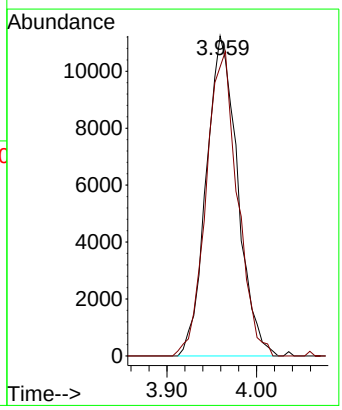
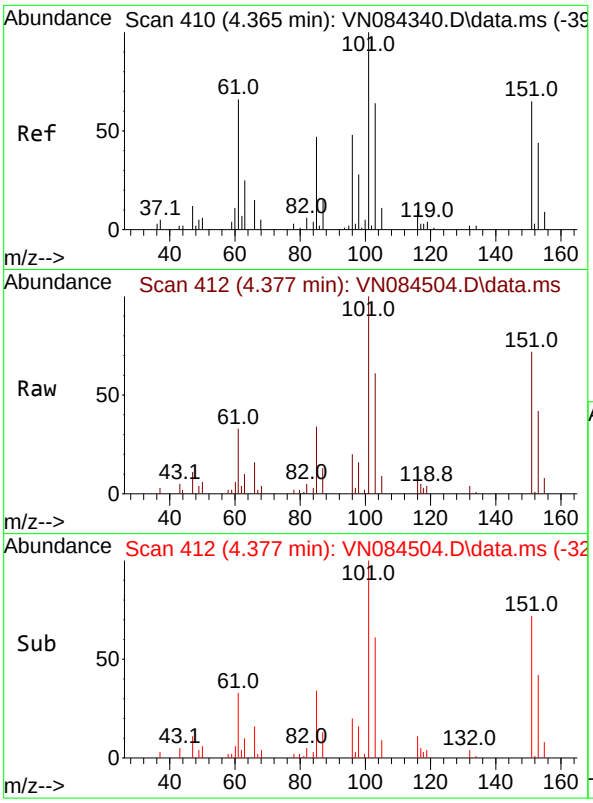


#8
Diethyl Ether
Concen: 18.804 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 74 Resp: 27242

Ion	Ratio	Lower	Upper
74	100		
45	95.2	19.2	173.2

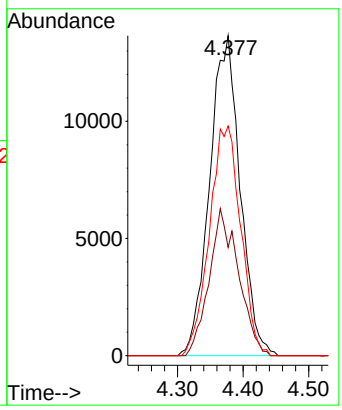




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.897 ug/l
RT: 4.377 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:101 Resp: 4408

Ion	Ratio	Lower	Upper
101	100		
85	28.0	0.0	93.6
151	38.7	0.0	151.8



Instrument :
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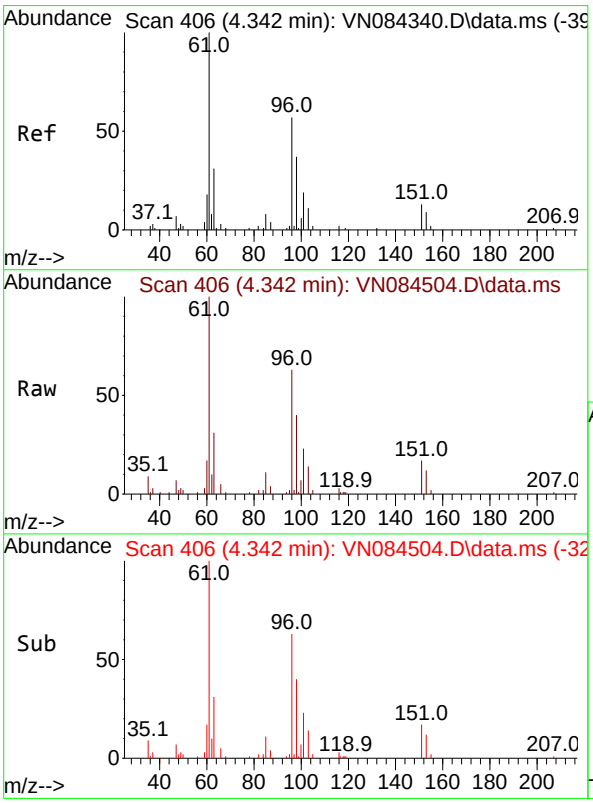
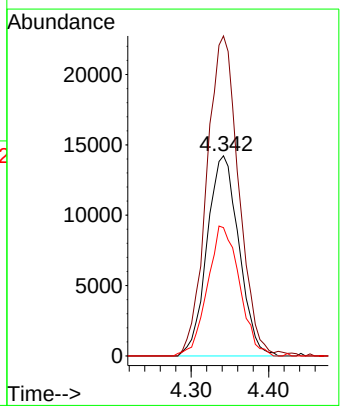
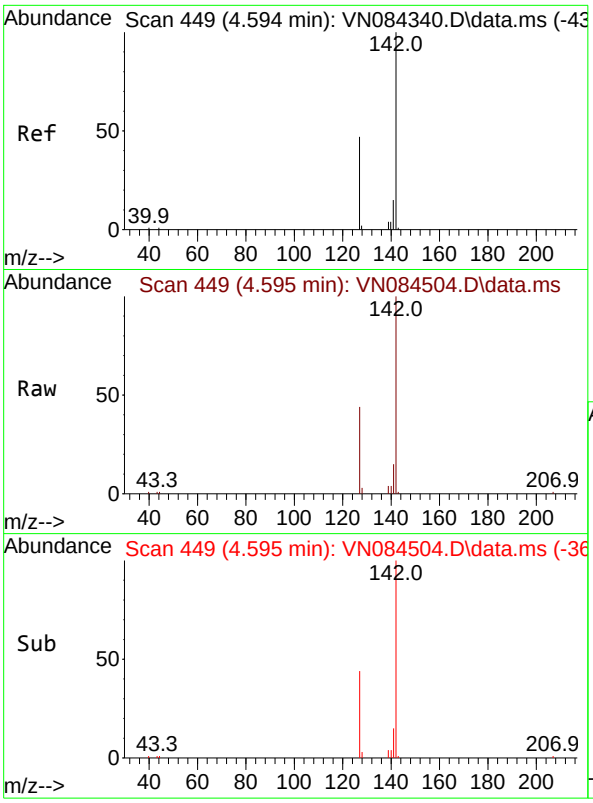


#10
1,1-Dichloroethene
Concen: 18.358 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 96 Resp: 40585

Ion	Ratio	Lower	Upper
96	100		
61	159.9	140.8	211.2
98	64.1	52.2	78.2

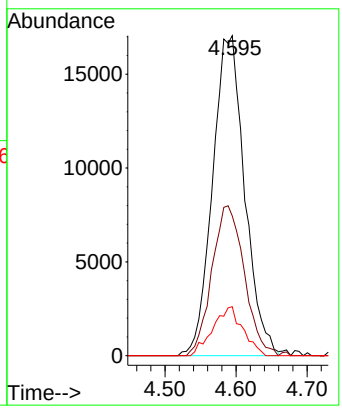




#11
Methyl Iodide
Concen: 18.427 ug/l
RT: 4.595 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:142 Resp: 5353

Ion	Ratio	Lower	Upper
142	100		
127	43.9	23.8	71.4
141	15.4	7.4	22.2



Instrument :
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ClientSampleId :
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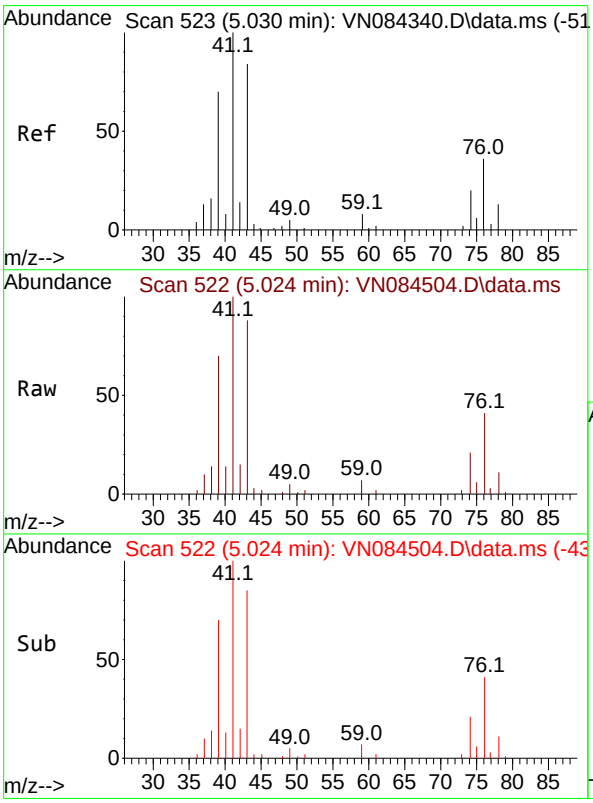
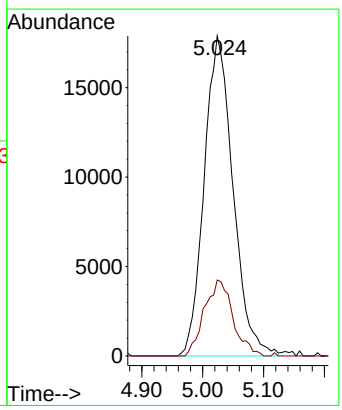
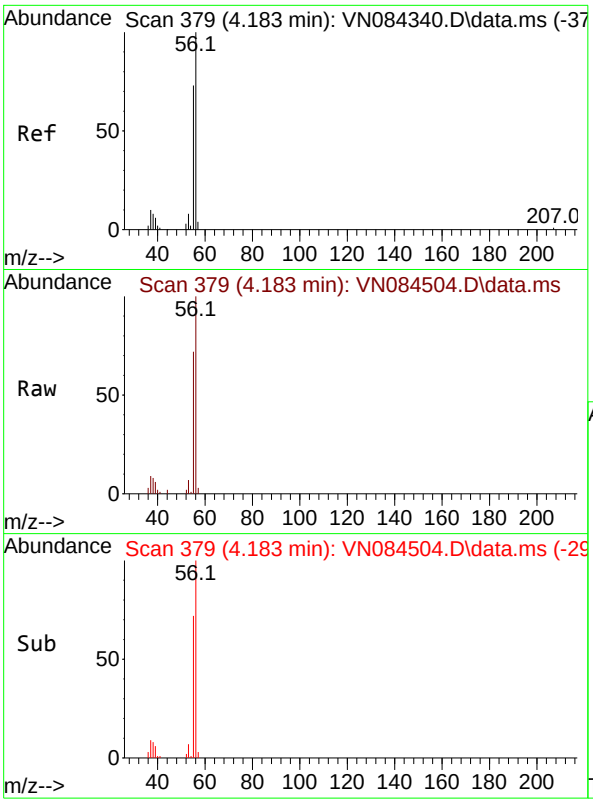


#12
Methyl Acetate
Concen: 21.239 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 58784

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2

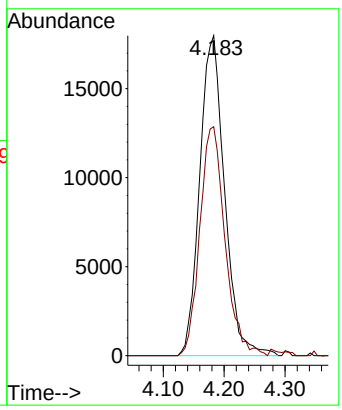




#13
Acrolein
Concen: 99.121 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 56 Resp: 5096

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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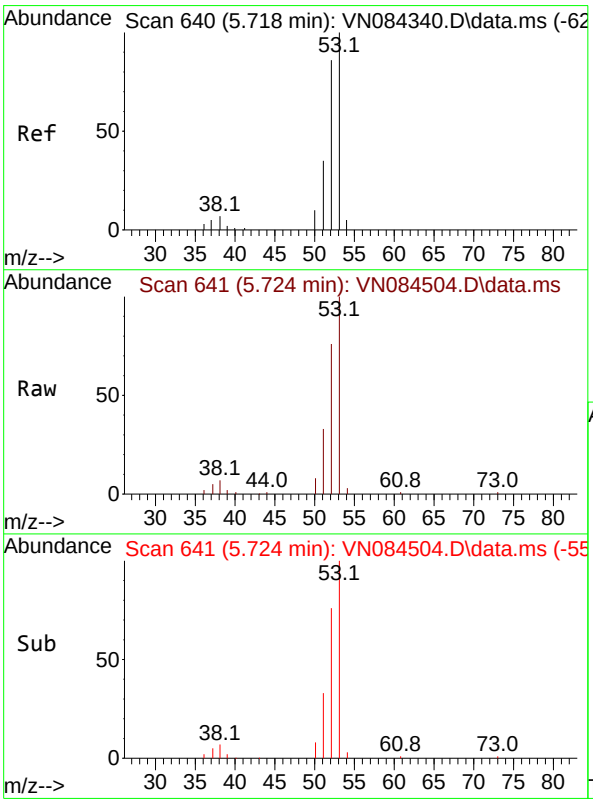
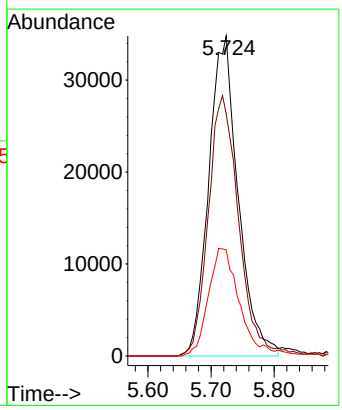
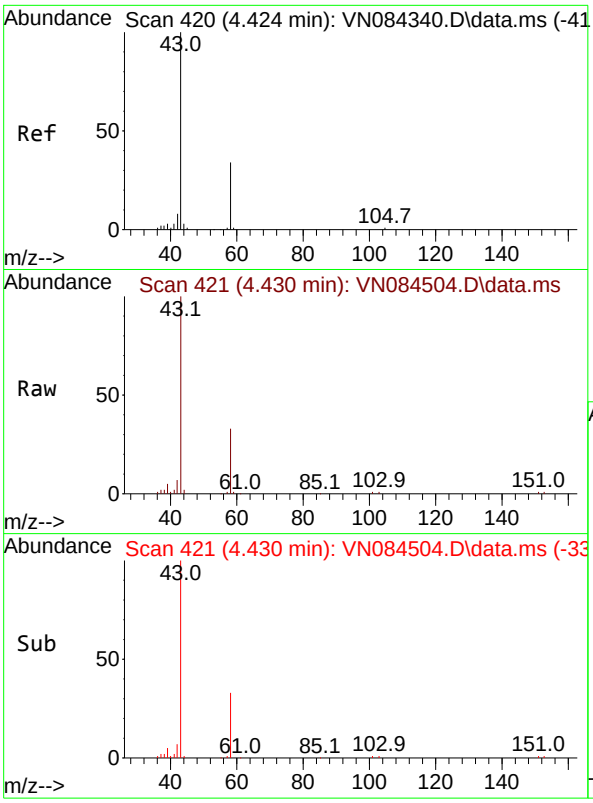


#14
Acrylonitrile
Concen: 90.663 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 53 Resp: 112734

Ion	Ratio	Lower	Upper
53	100		
52	82.8	40.4	121.2
51	34.0	17.8	53.4

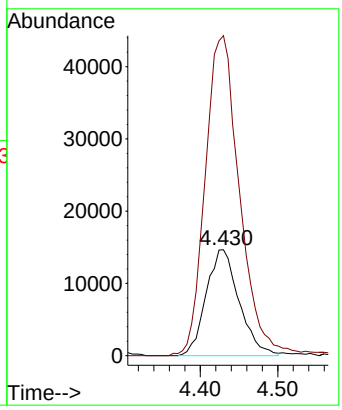




#15
Acetone
Concen: 122.505 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 58 Resp: 4351

Ion	Ratio	Lower	Upper
58	100		
43	300.3	237.5	356.3



Instrument :
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ClientSampleId :
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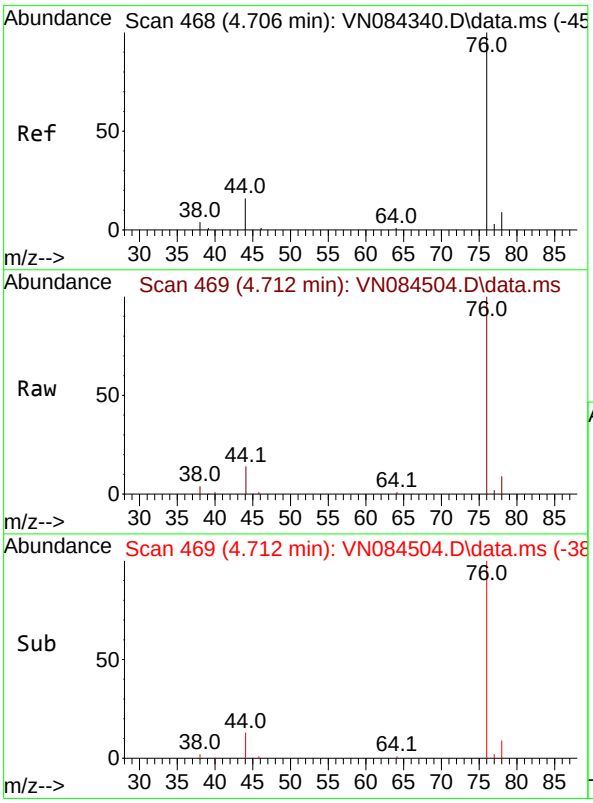
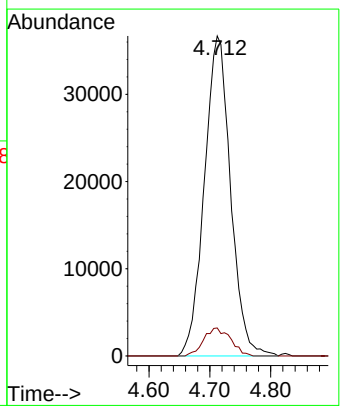
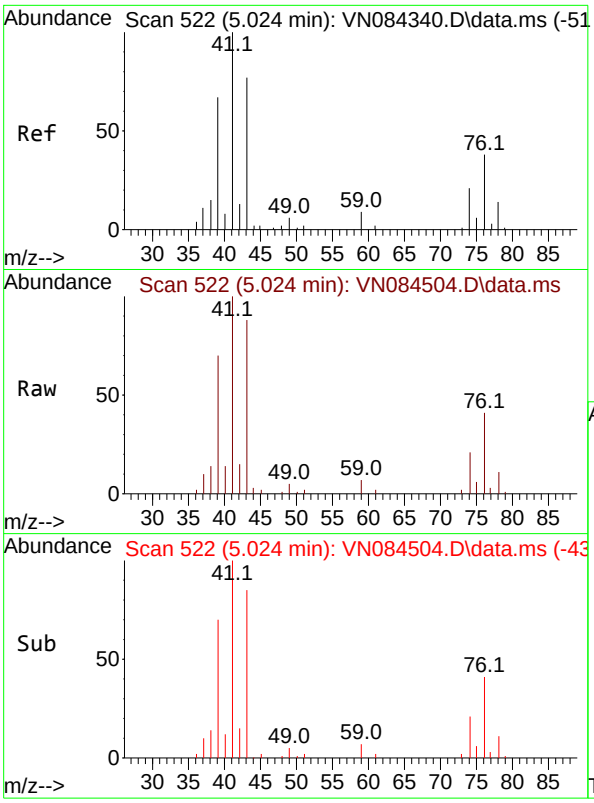


#16
Carbon Disulfide
Concen: 16.656 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 76 Resp: 109654

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

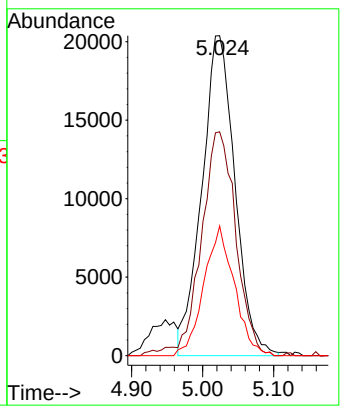




#17
Allyl chloride
Concen: 18.433 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 41 Resp: 6605

Ion	Ratio	Lower	Upper
41	100		
39	70.6	31.4	94.3
76	41.0	17.8	53.5



Instrument :
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ClientSampleId :
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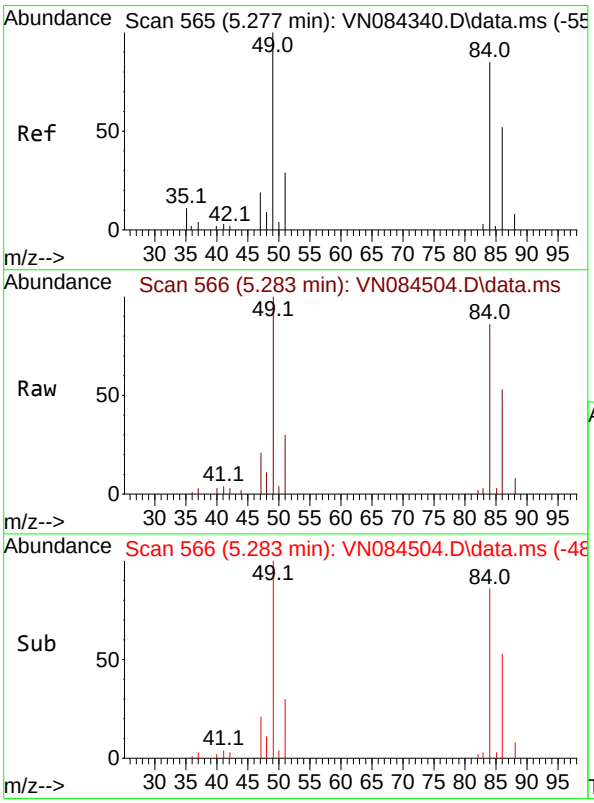
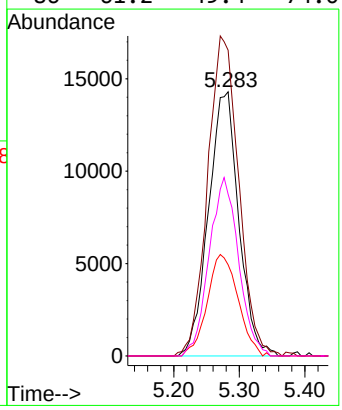
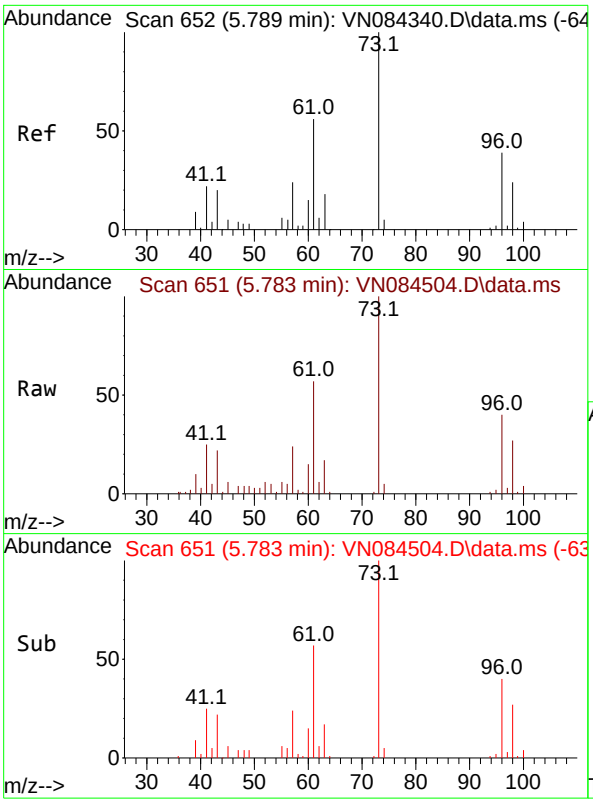


#18
Methylene Chloride
Concen: 18.429 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 84 Resp: 45898

Ion	Ratio	Lower	Upper
84	100		
49	114.6	94.6	142.0
51	34.5	27.3	40.9
86	61.2	49.4	74.0

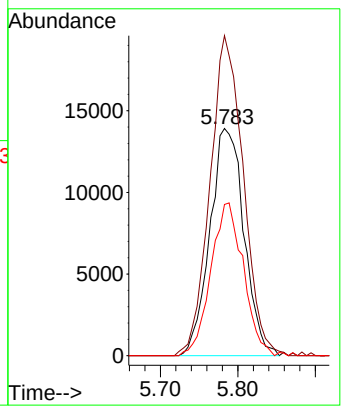




#19
trans-1,2-Dichloroethene
Concen: 18.179 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 96 Resp: 4253

Ion	Ratio	Lower	Upper
96	100		
61	139.0	115.8	173.6
98	66.5	49.4	74.0



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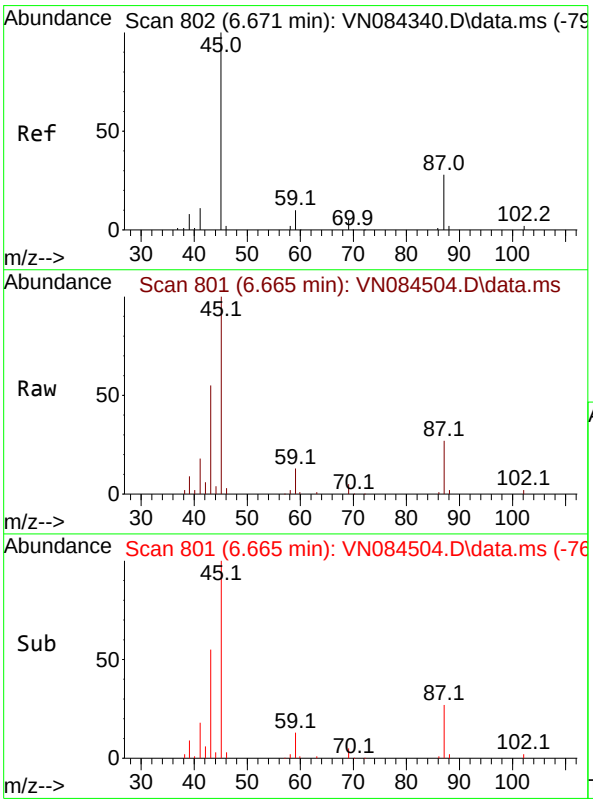
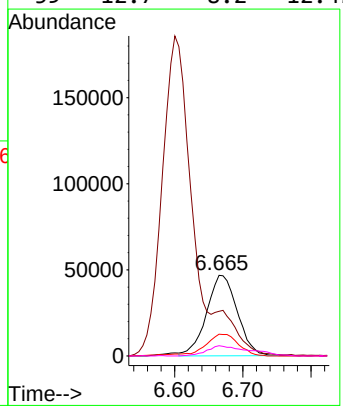
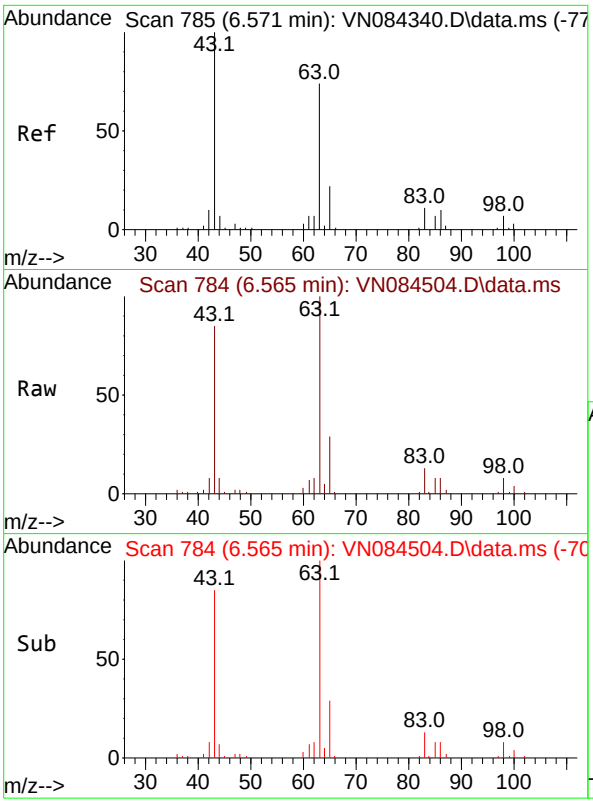


#20
Diisopropyl ether
Concen: 19.011 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 45 Resp: 146490

Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.7	65.5
87	27.1	23.1	34.7
59	12.7	8.2	12.4#

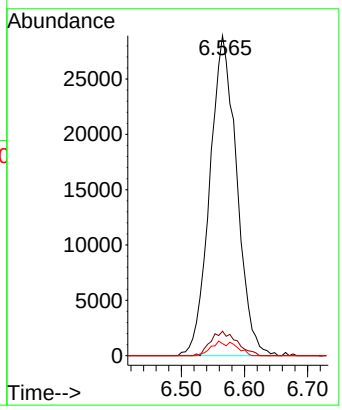




#21
1,1-Dichloroethane
Concen: 19.388 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 63 Resp: 8572

Ion	Ratio	Lower	Upper
63	100		
98	7.6	4.5	13.4
100	3.8	2.1	6.3



Instrument :
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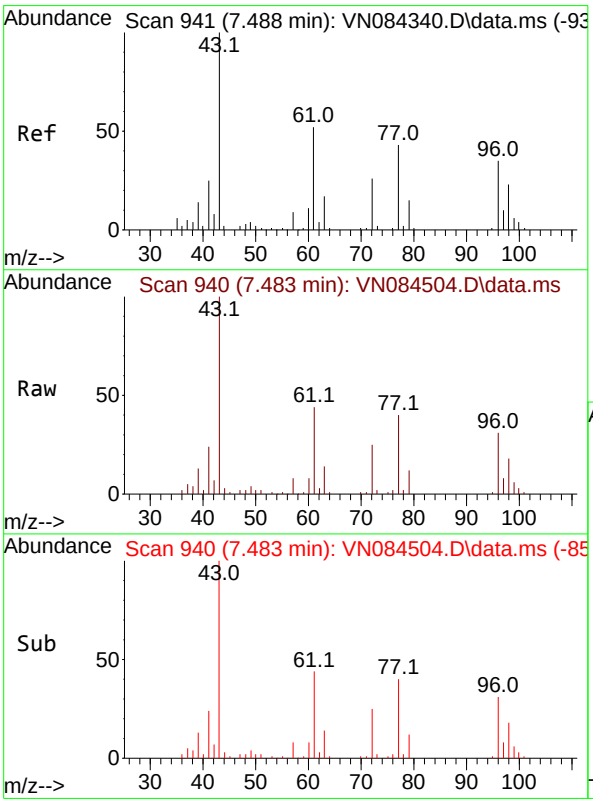
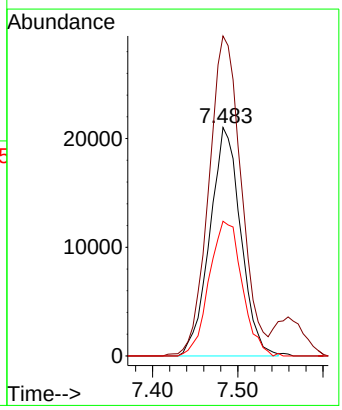
Supervised By :Mahesh Dadoda 10/28/2024

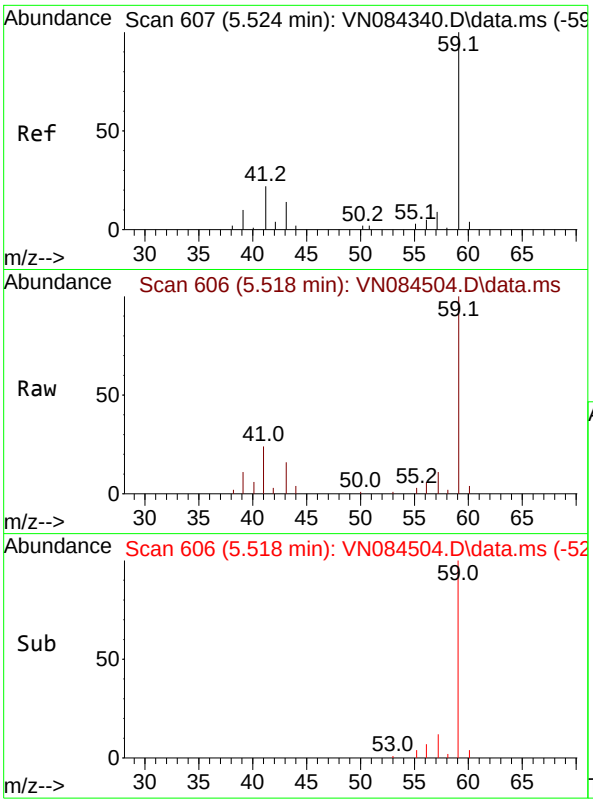


#22
cis-1,2-Dichloroethene
Concen: 19.473 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 96 Resp: 53018

Ion	Ratio	Lower	Upper
96	100		
61	145.0	118.0	177.0
98	62.6	51.8	77.8





#23
tert-Butyl Alcohol
Concen: 90.279 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 59 Resp: 4305

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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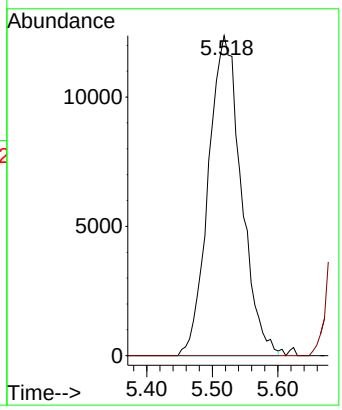
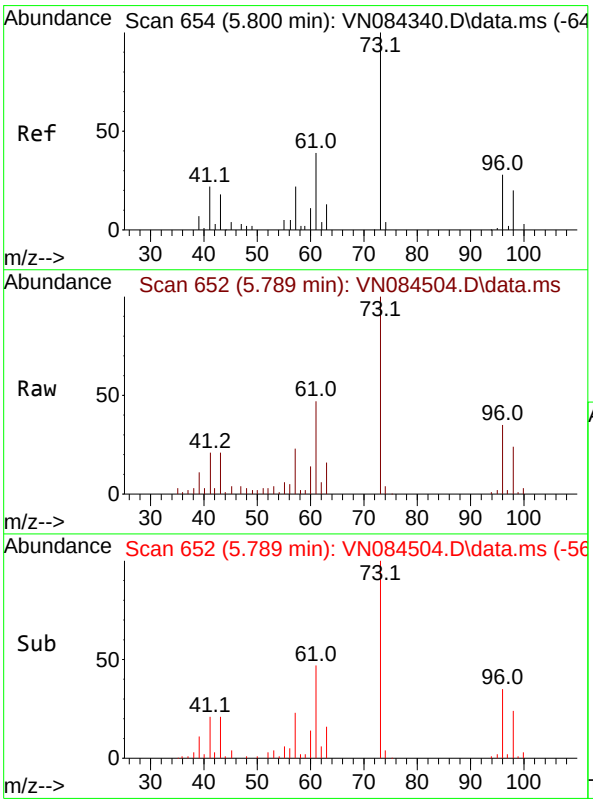
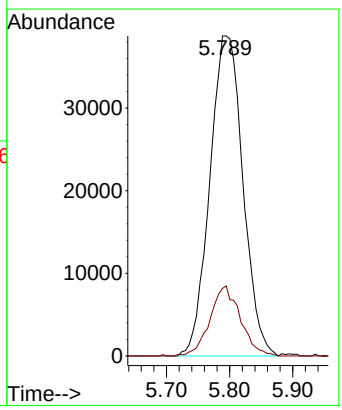


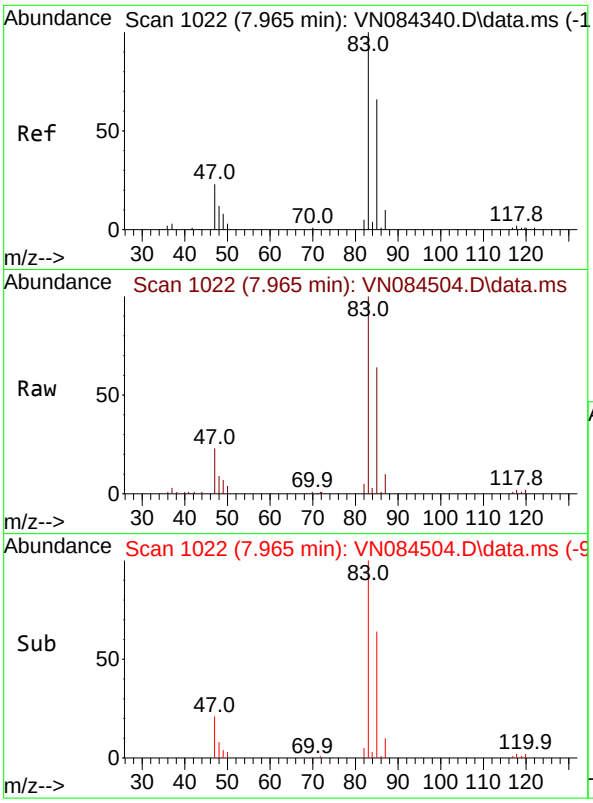


#24
Methyl tert-Butyl Ether
Concen: 19.105 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 73 Resp: 141150

Ion	Ratio	Lower	Upper
73	100		
43	20.0	10.9	16.3#

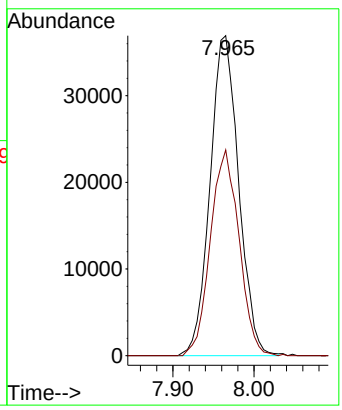




#25
Chloroform
Concen: 20.215 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 83 Resp: 9052

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6



Instrument :
MSVOA_N
ClientSampleId :
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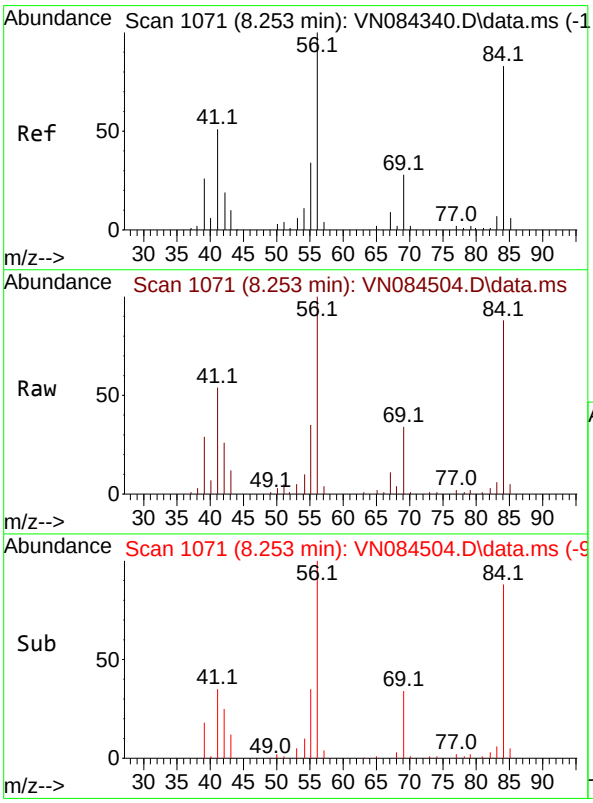
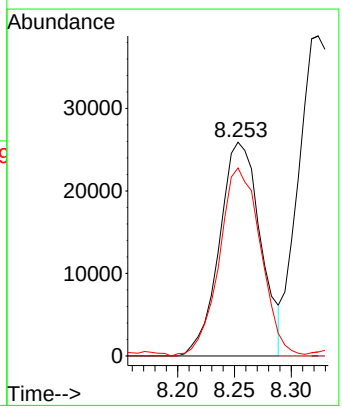
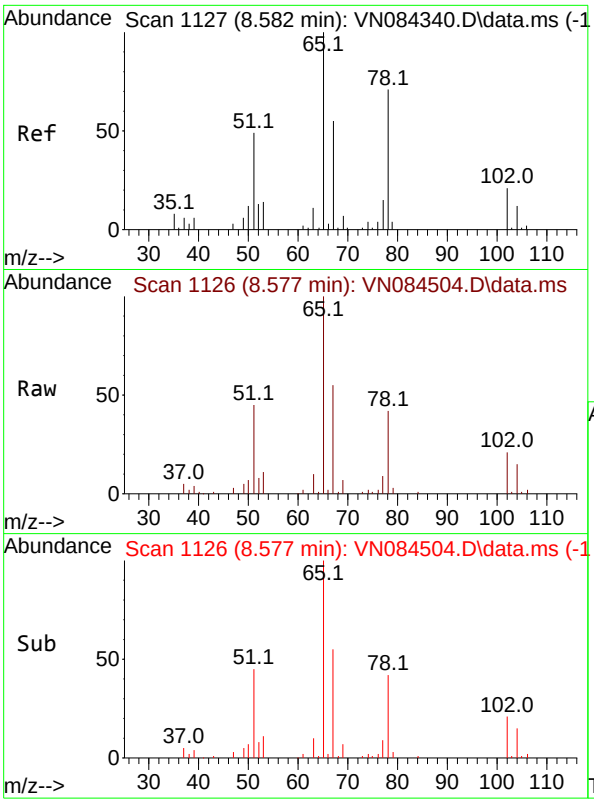


#26
Cyclohexane
Concen: 17.645 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 56 Resp: 65248

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	88.5	67.0	100.6

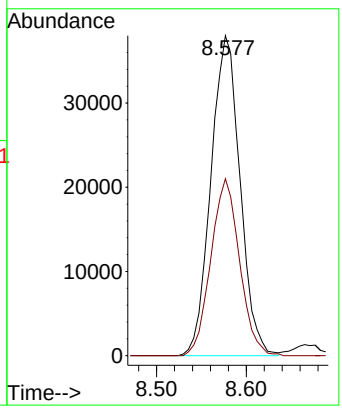




#27
1,2-Dichloroethane-d4
Concen: 29.960 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 65 Resp: 8564

Ion	Ratio	Lower	Upper
65	100		
67	54.3	41.5	62.3



Instrument :
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ClientSampleId :
VSTDCCC020

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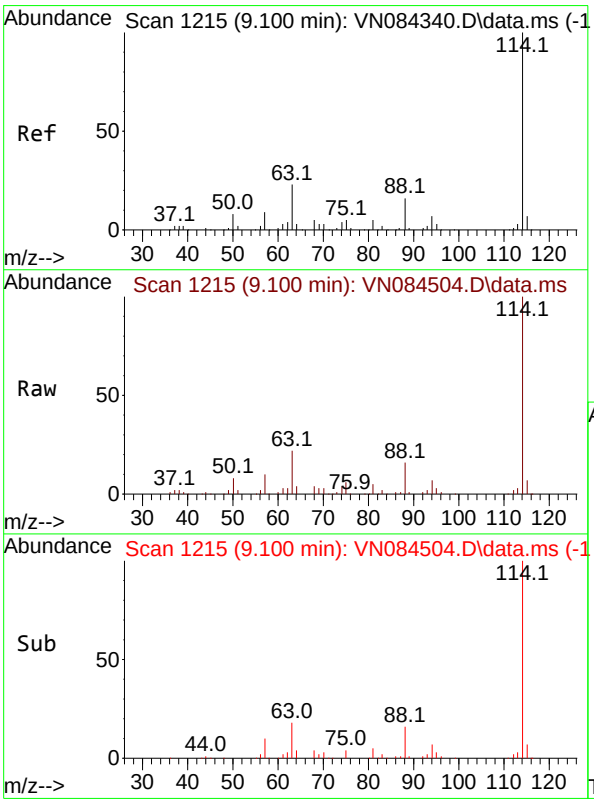
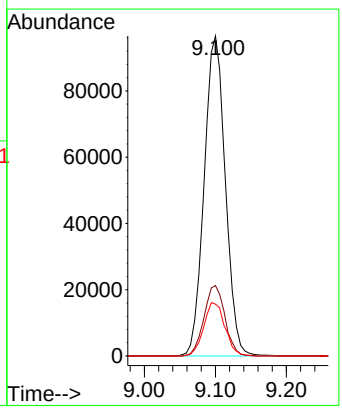
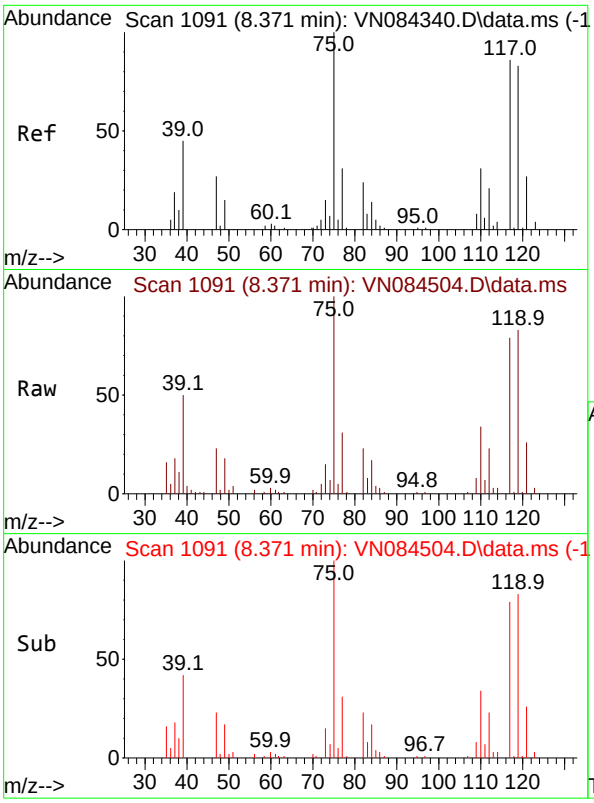


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:114 Resp: 200200

Ion	Ratio	Lower	Upper
114	100		
63	21.7	17.4	26.0
88	16.7	13.2	19.8

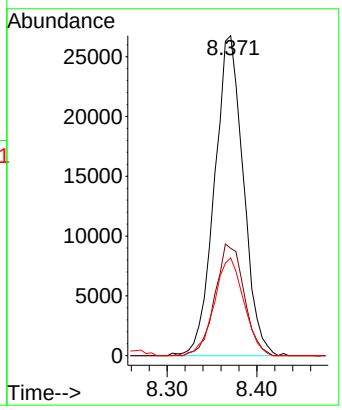




#29
1,1-Dichloropropene
Concen: 18.137 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 5960

Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	67.6
77	31.5	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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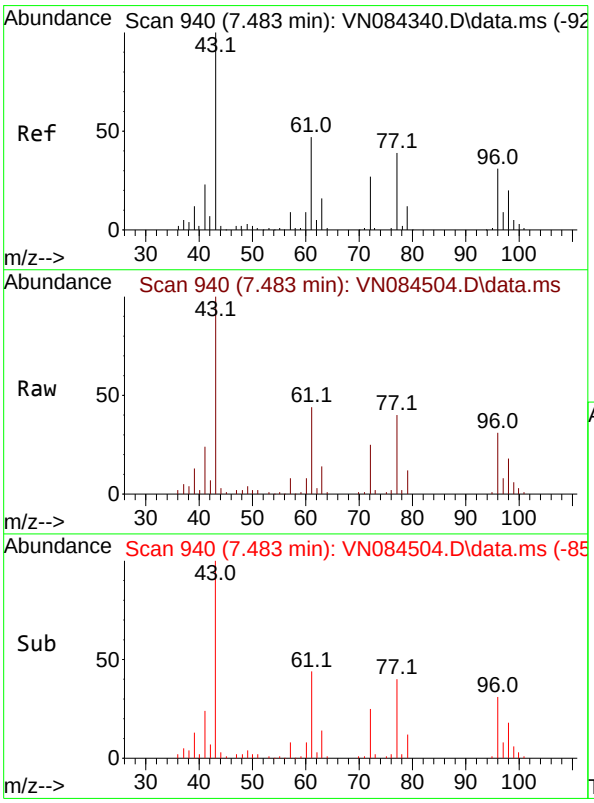
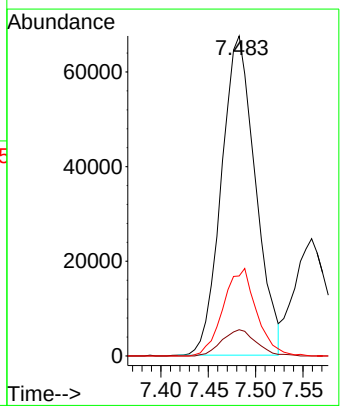
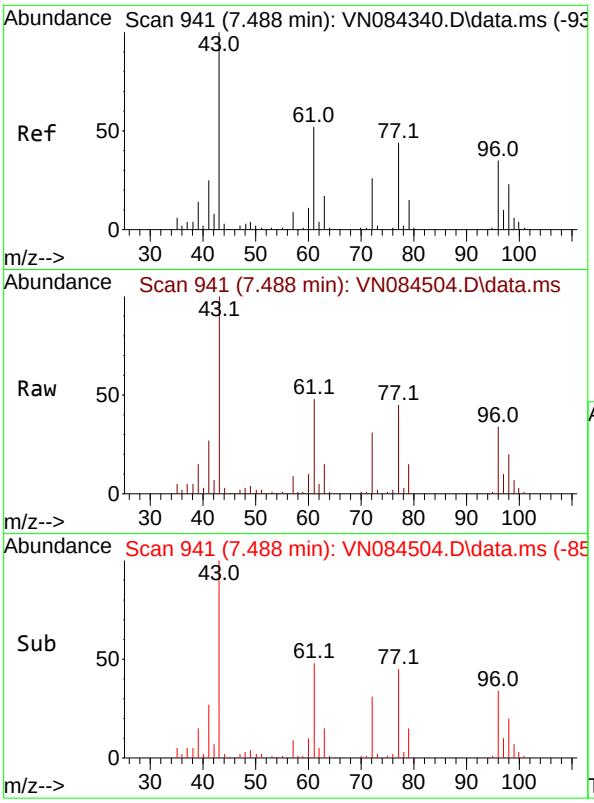


#30
2-Butanone
Concen: 96.222 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 168367

Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	9.8
72	26.9	21.3	31.9

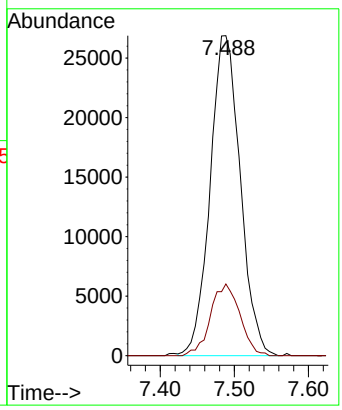




#31
2,2-Dichloropropane
Concen: 19.650 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 77 Resp: 7588

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.5	17.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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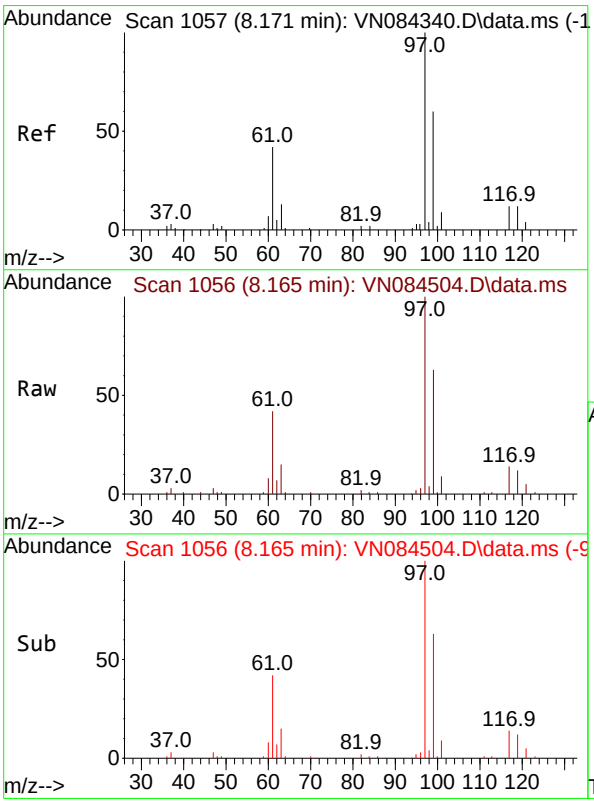
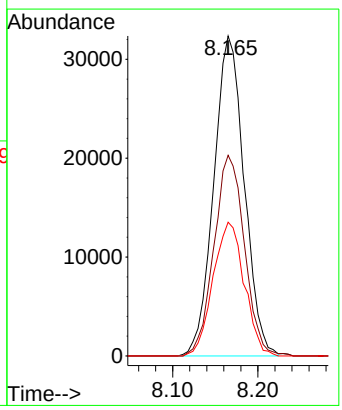
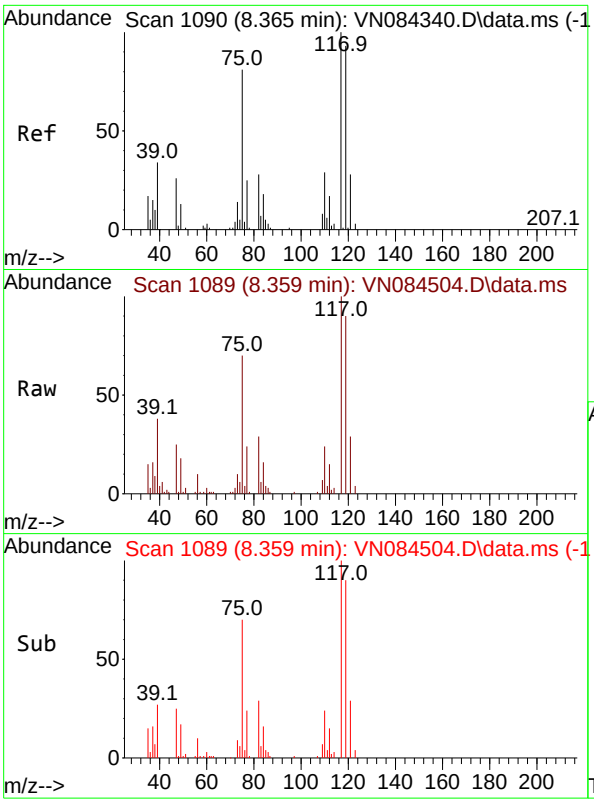


#32
1,1,1-Trichloroethane
Concen: 19.158 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 97 Resp: 80476

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.2	76.8
61	42.9	34.1	51.1

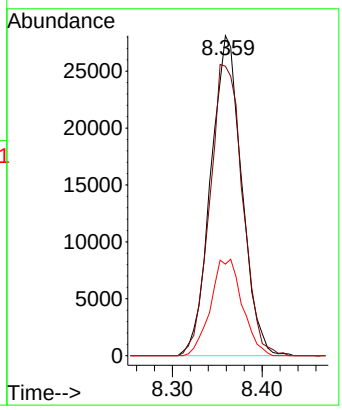




#33
Carbon Tetrachloride
Concen: 18.476 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:117 Resp: 6723

Ion	Ratio	Lower	Upper
117	100		
119	90.4	74.3	111.5
121	28.6	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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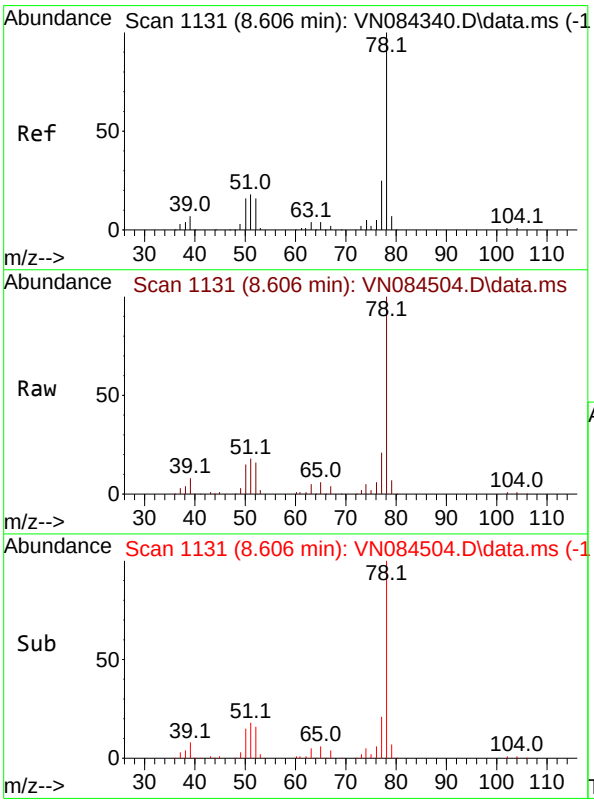
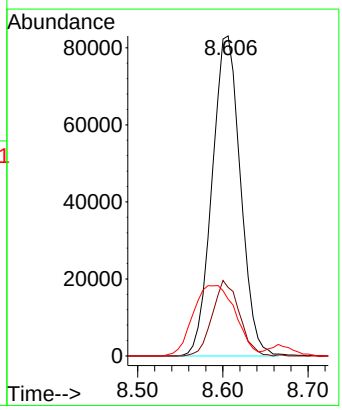
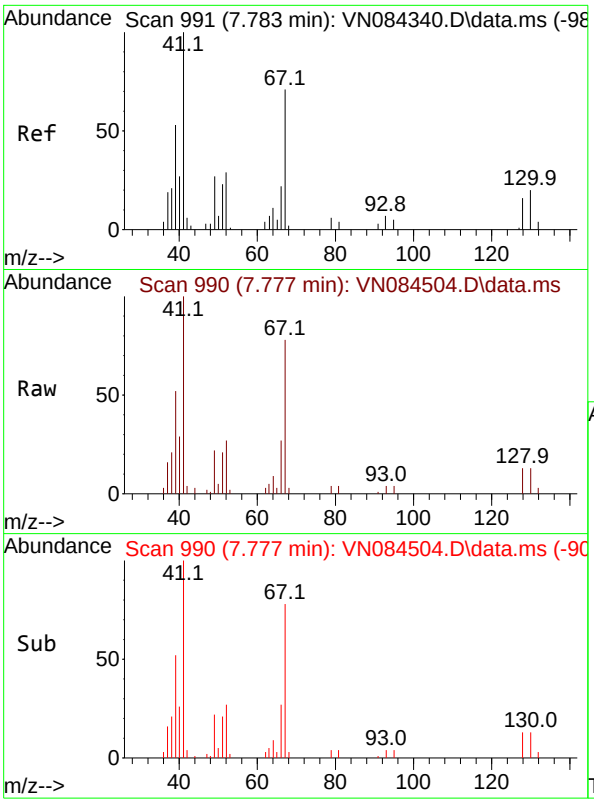


#34
Benzene
Concen: 18.712 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 78 Resp: 192502

Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.6	29.4
51	15.7	15.8	23.6#

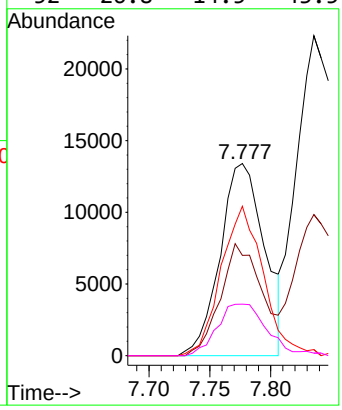




#35
Methacrylonitrile
Concen: 18.205 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 41 Resp: 3398

Ion	Ratio	Lower	Upper
41	100		
39	52.2	26.4	79.0
67	77.8	35.7	107.1
52	26.8	14.5	43.5



Instrument :
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ClientSampleId :
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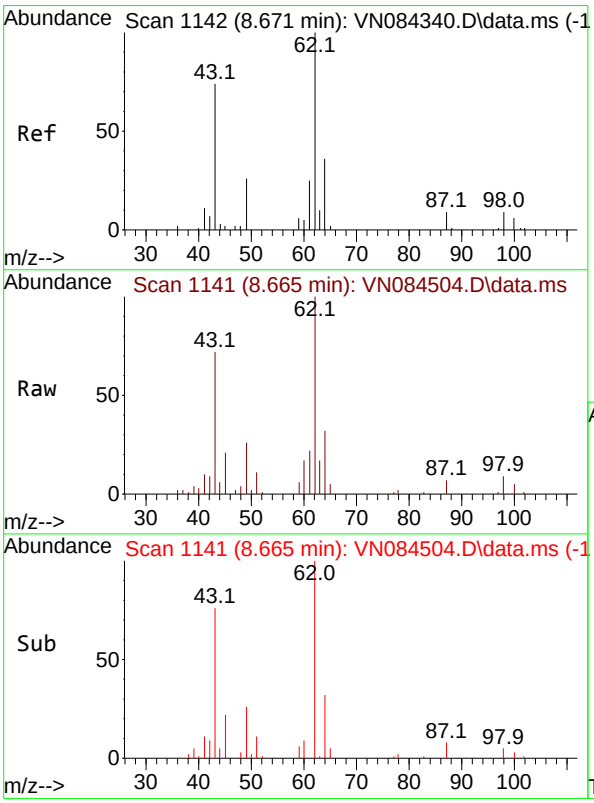
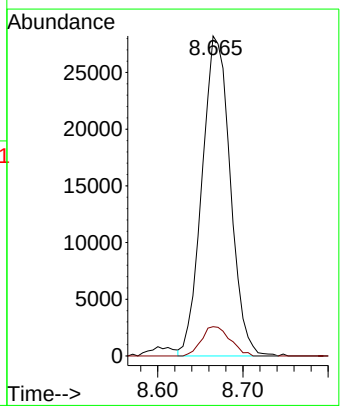
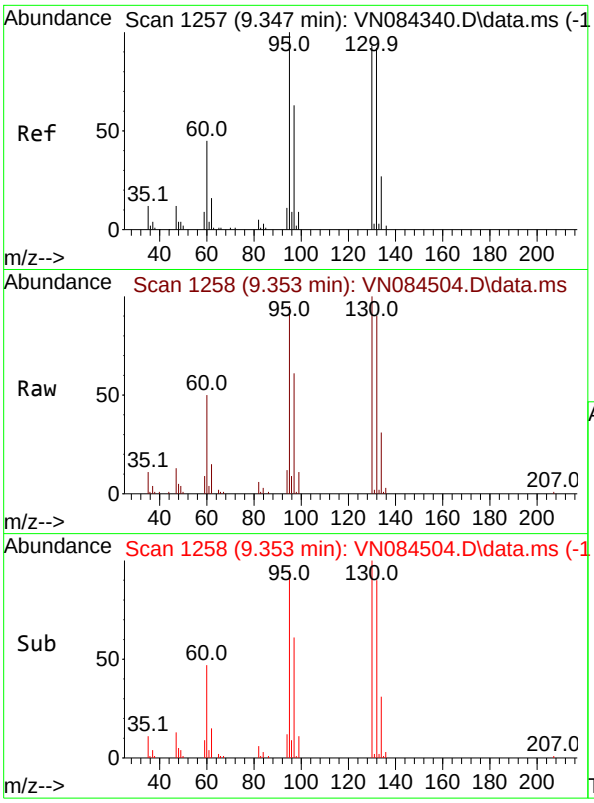


#36
1,2-Dichloroethane
Concen: 18.977 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 62 Resp: 65072

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9

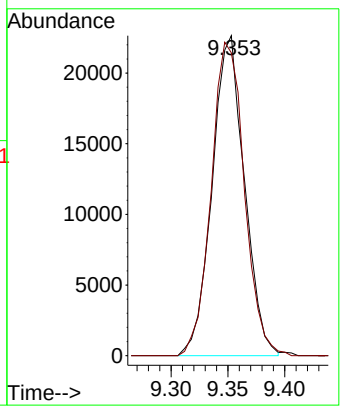




#37
Trichloroethene
Concen: 18.875 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:130 Resp: 4471

Ion	Ratio	Lower	Upper
130	100		
95	94.7	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
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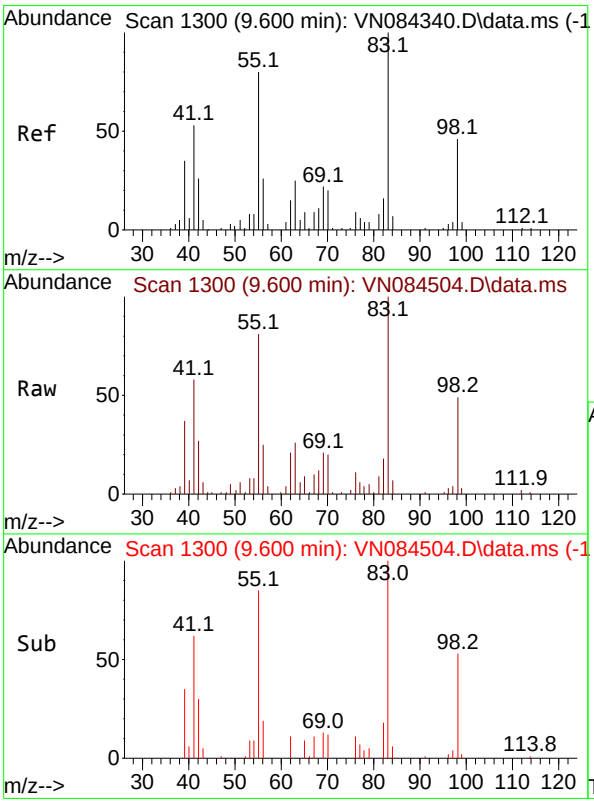
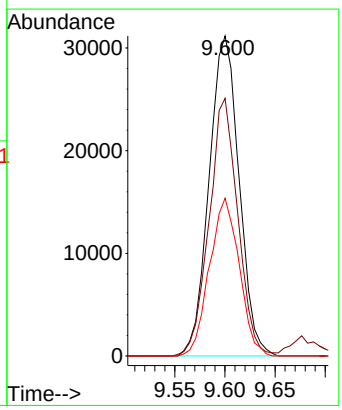
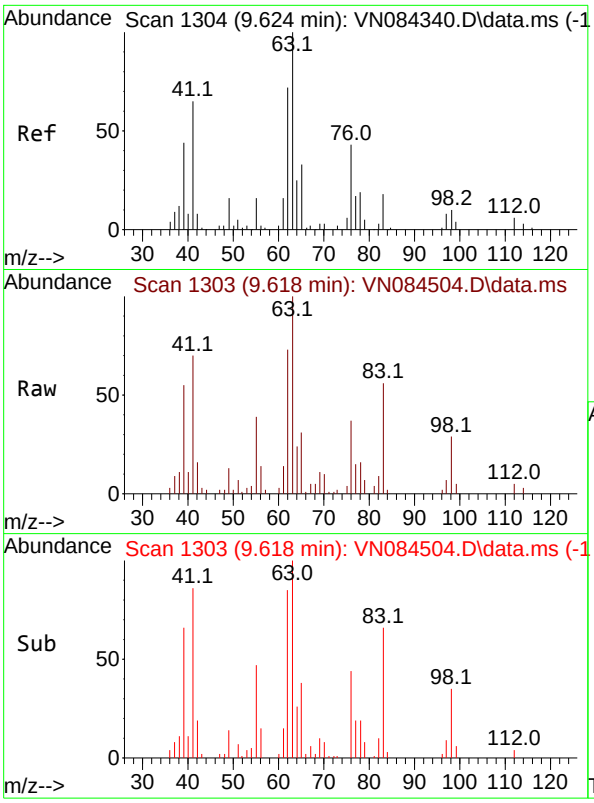


#38
Methylcyclohexane
Concen: 17.975 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 83 Resp: 64890

Ion	Ratio	Lower	Upper
83	100		
55	77.1	39.3	117.8
98	48.9	24.0	72.0

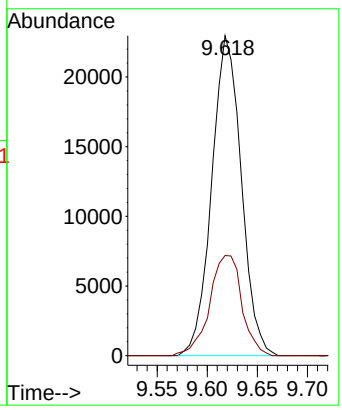




#39
1,2-Dichloropropane
Concen: 18.758 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 63 Resp: 4705

Ion	Ratio	Lower	Upper
63	100		
65	31.3	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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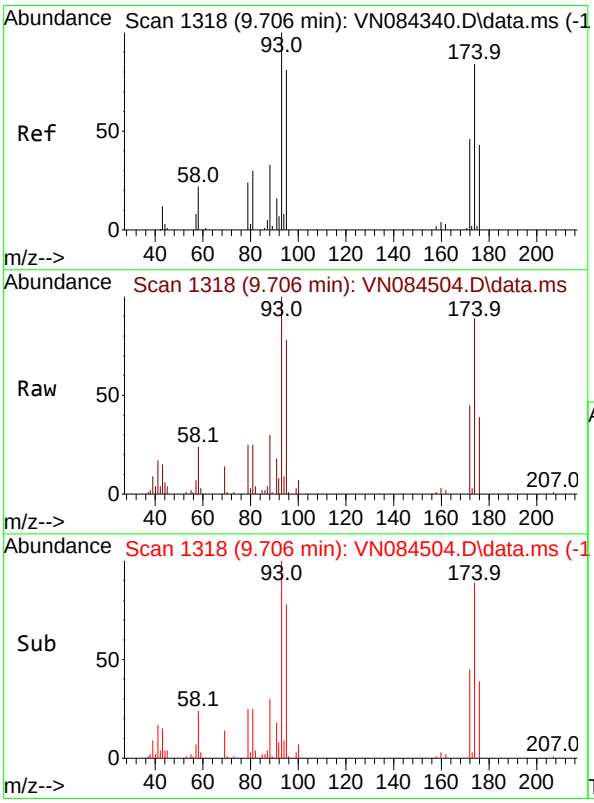
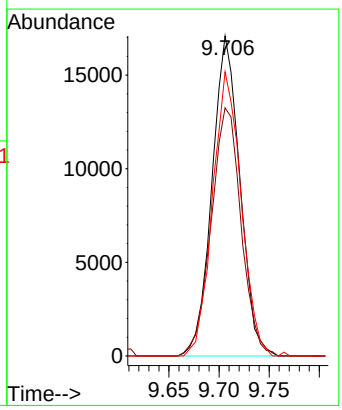
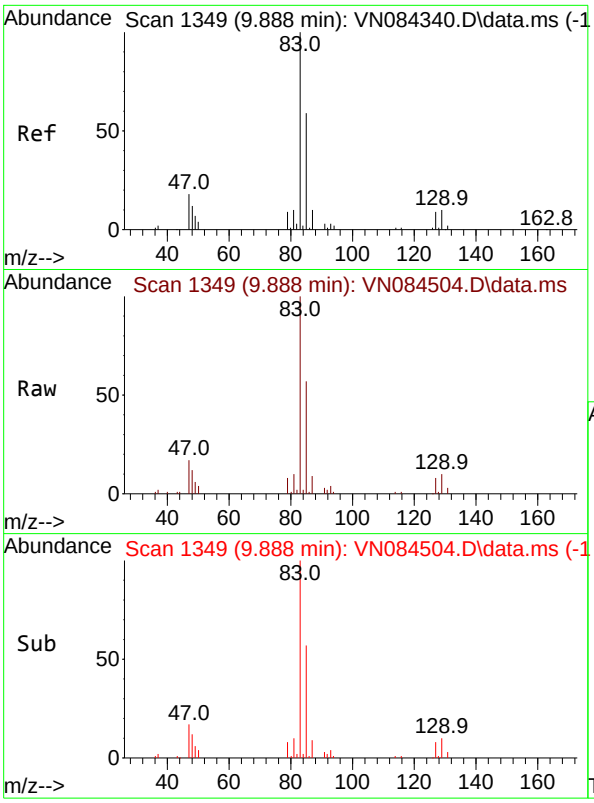


#40
Dibromomethane
Concen: 18.841 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 93 Resp: 33034

Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	171.4
174	90.8	0.0	183.0

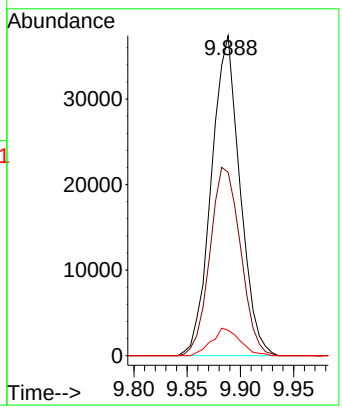




#41
Bromodichloromethane
Concen: 18.785 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 83 Resp: 6992

Ion	Ratio	Lower	Upper
83	100		
85	57.3	47.1	70.7
127	7.9	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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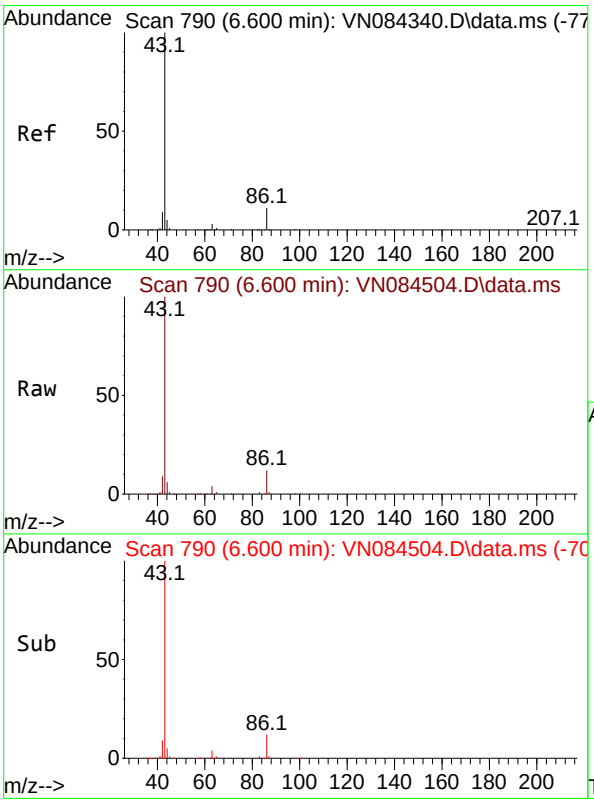
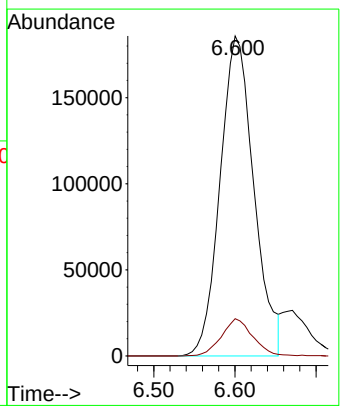
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

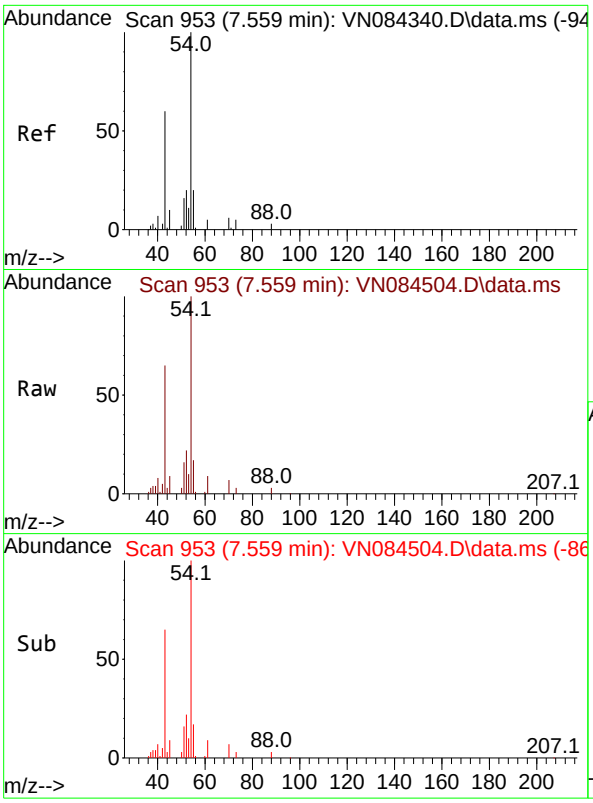


#42
Vinyl Acetate
Concen: 88.329 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 537529

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.5	12.7

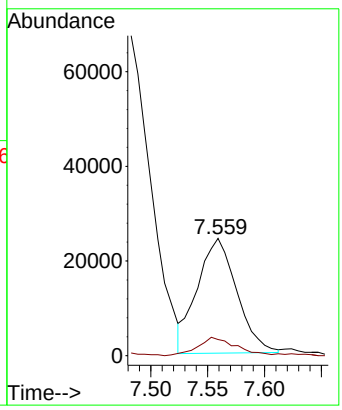




#43
Ethyl Acetate
Concen: 17.008 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 5869

Ion	Ratio	Lower	Upper
43	100		
45	15.3	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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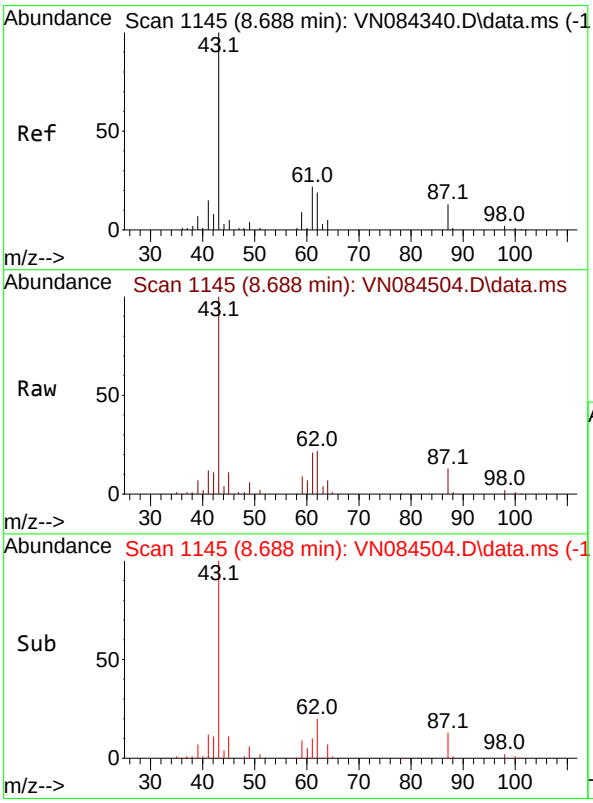
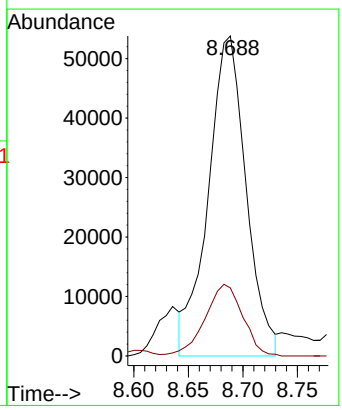
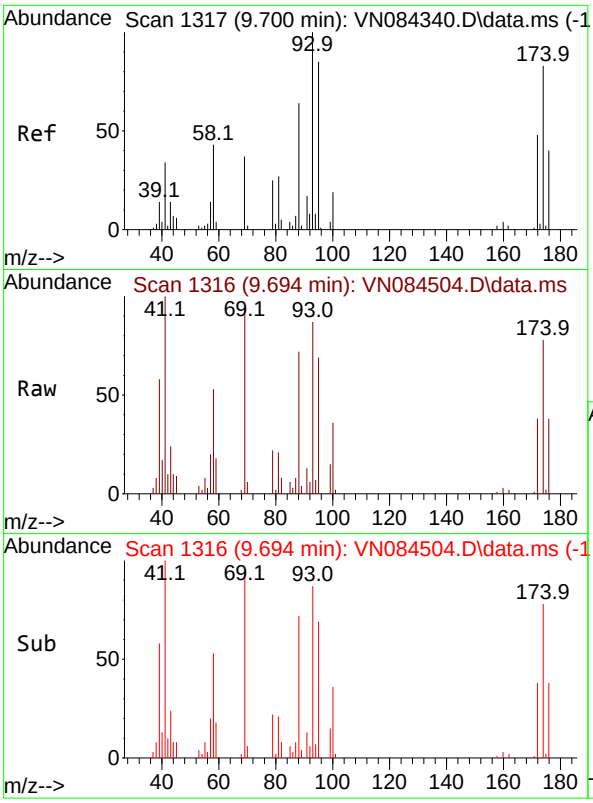


#44
Isopropyl Acetate
Concen: 22.980 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 129797

Ion	Ratio	Lower	Upper
43	100		
61	22.3	21.4	32.2

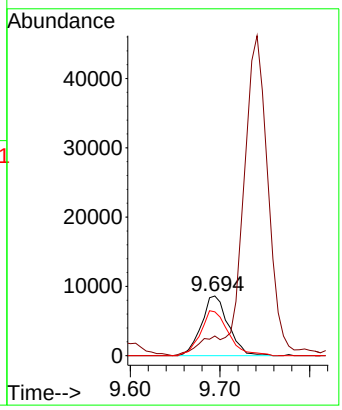




#45
1,4-Dioxane
Concen: 352.143 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 88 Resp: 1793

Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.4	33.6
58	78.1	59.7	89.5



Instrument :
MSVOA_N
ClientSampleId :
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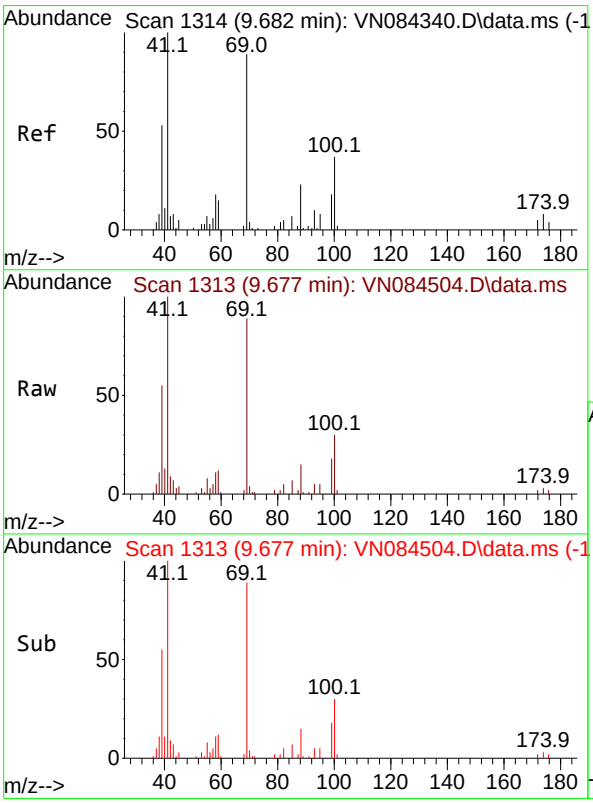
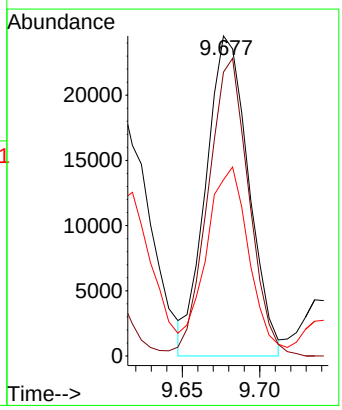
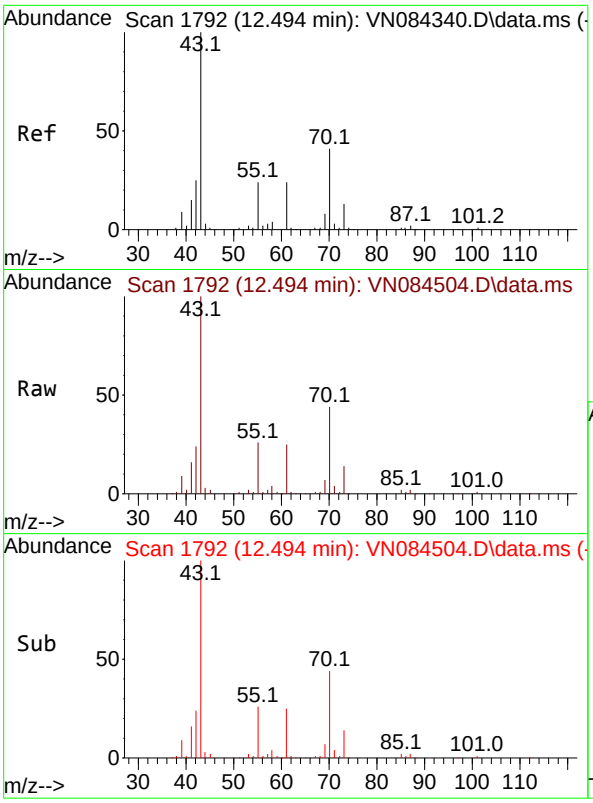


#46
Methyl methacrylate
Concen: 17.177 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 41 Resp: 46876

Ion	Ratio	Lower	Upper
41	100		
69	90.5	42.6	128.0
39	54.1	27.5	82.4

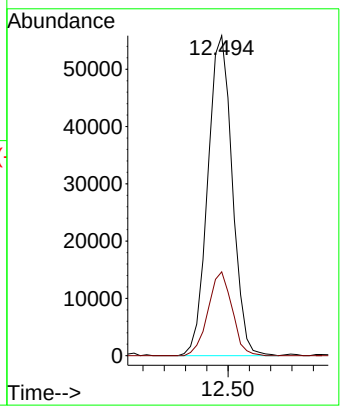




#47
n-amyl Acetate
Concen: 17.750 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 8917

Ion	Ratio	Lower	Upper
43	100		
55	25.6	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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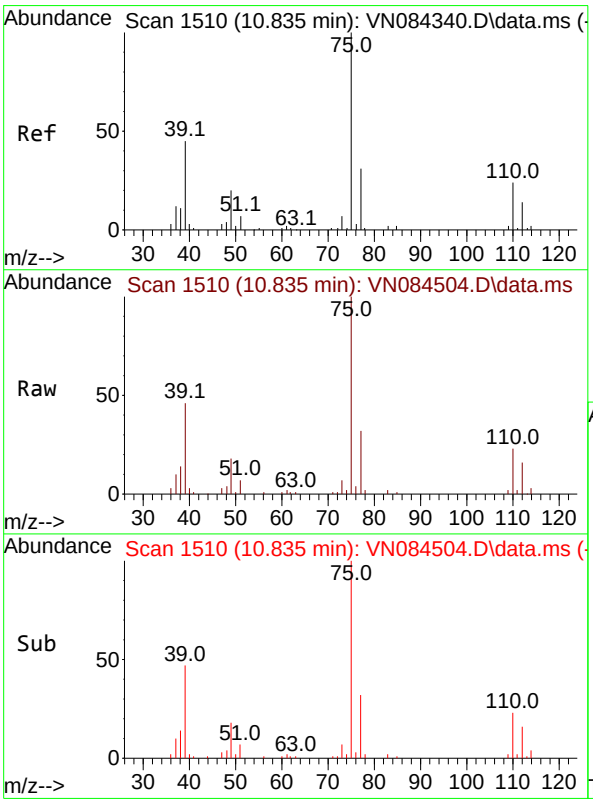
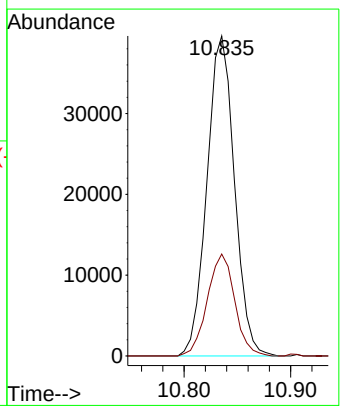
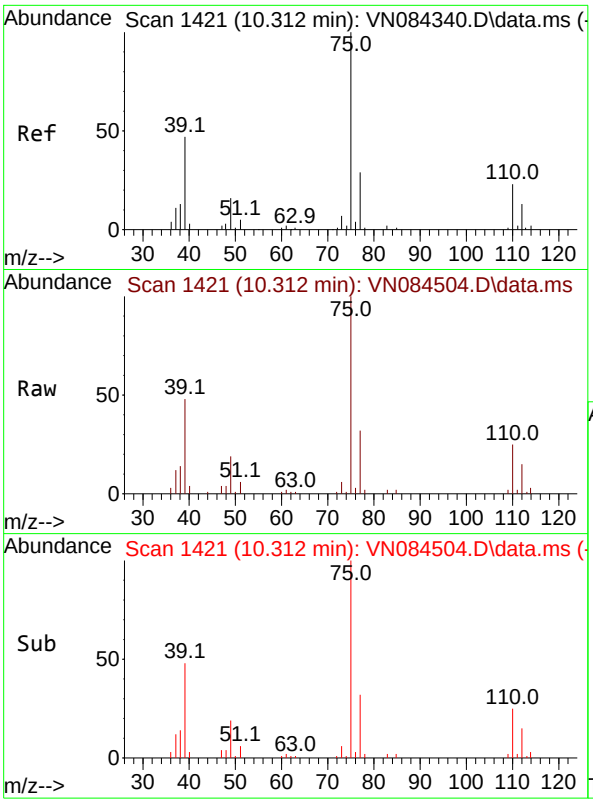


#48
t-1,3-Dichloropropene
Concen: 18.475 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 71062

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0

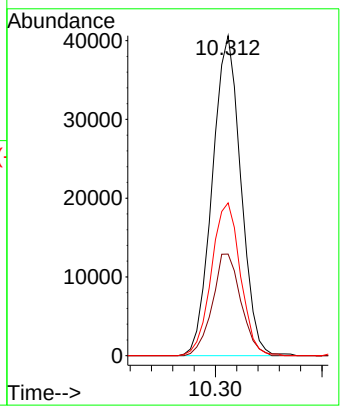




#49
cis-1,3-Dichloropropene
Concen: 18.697 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 7537

Ion	Ratio	Lower	Upper
75	100		
77	31.7	22.9	34.3
39	47.8	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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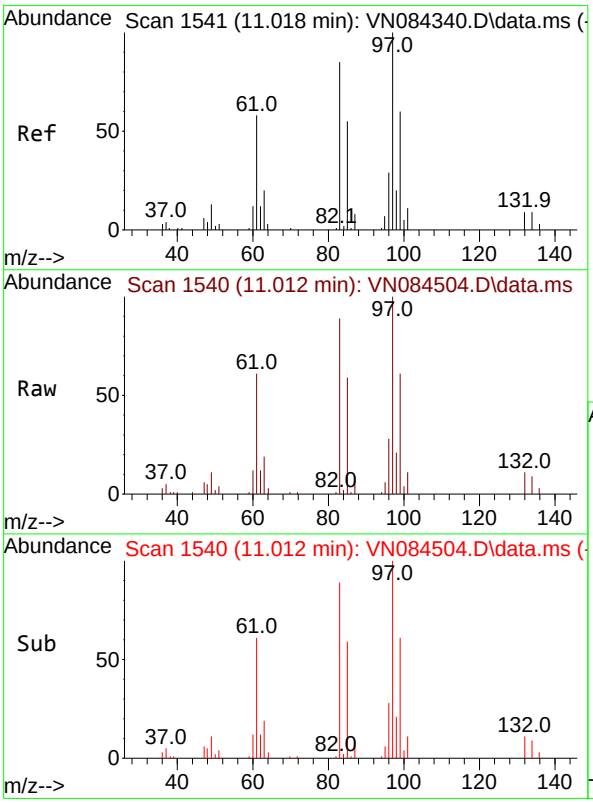
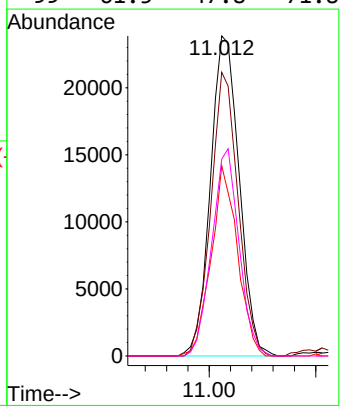
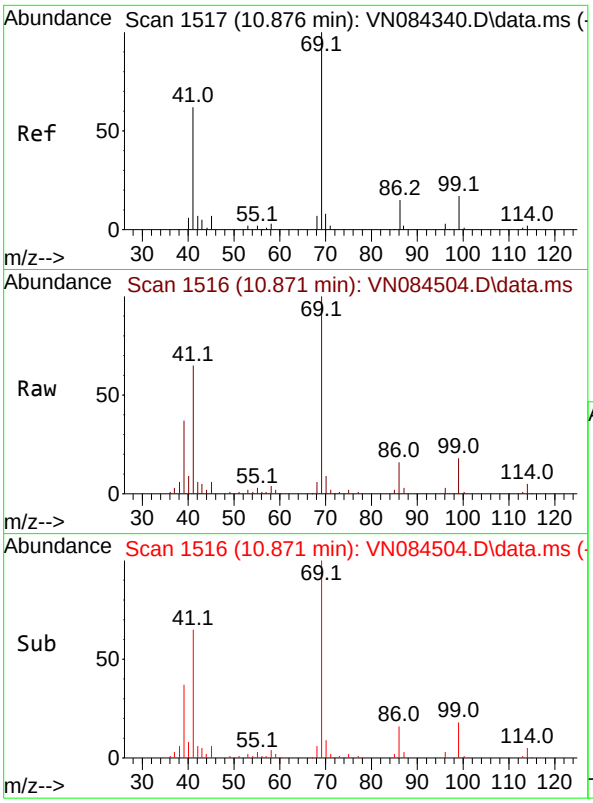


#50
1,1,2-Trichloroethane
Concen: 18.979 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 97 Resp: 44728

Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.8	101.8
85	59.4	44.2	66.2
99	61.5	47.8	71.8

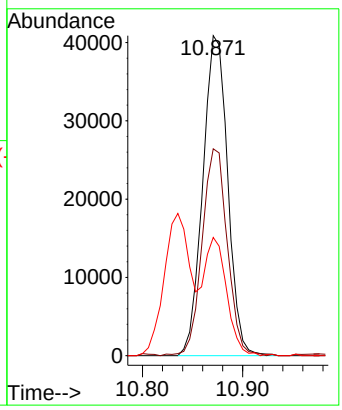




#51
Ethyl methacrylate
Concen: 18.181 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 69 Resp: 7077

Ion	Ratio	Lower	Upper
69	100		
41	64.6	30.9	92.7
39	37.0	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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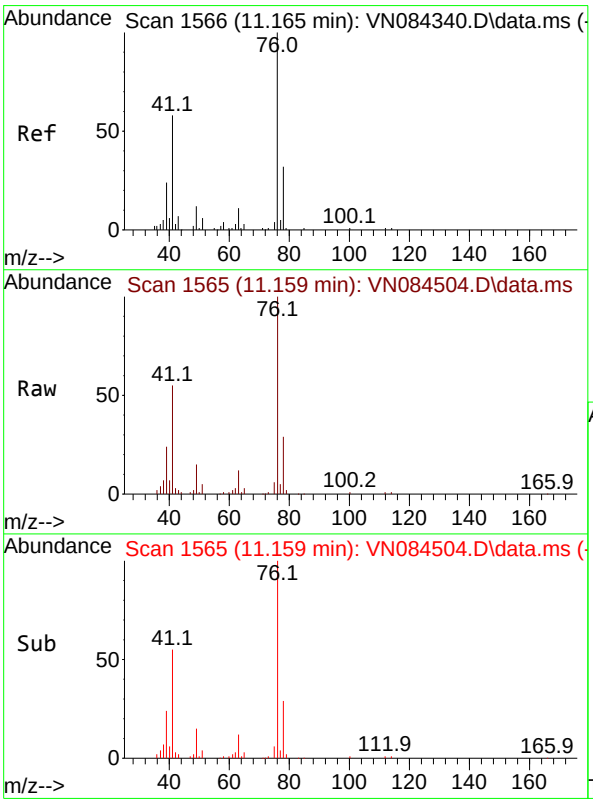
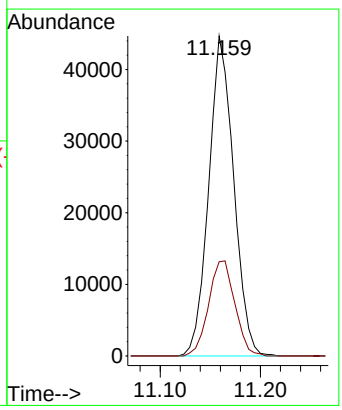
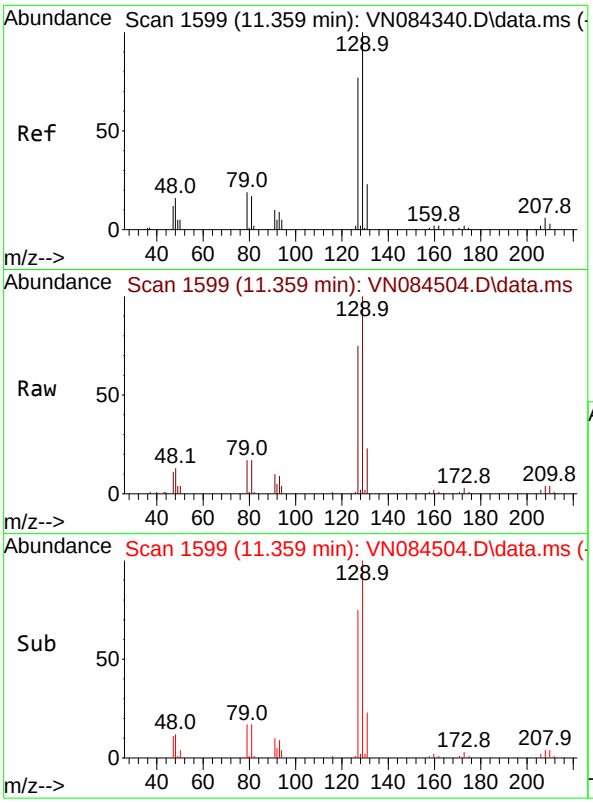


#52
1,3-Dichloropropane
Concen: 18.738 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 76 Resp: 77213

Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.2

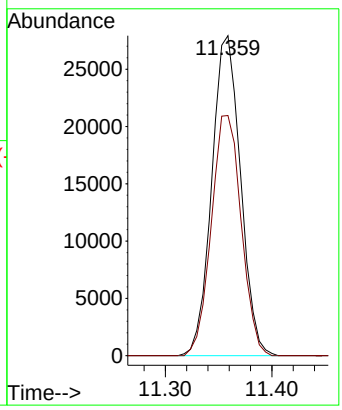




#53
Dibromochloromethane
Concen: 18.817 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:129 Resp: 5238

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
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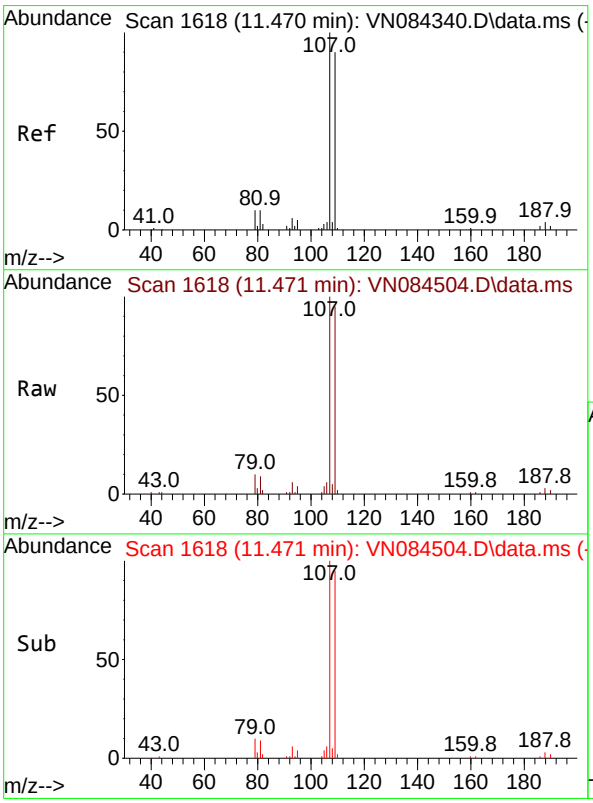
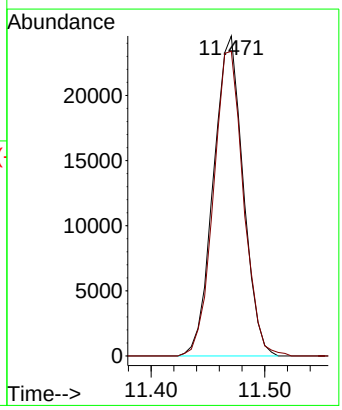
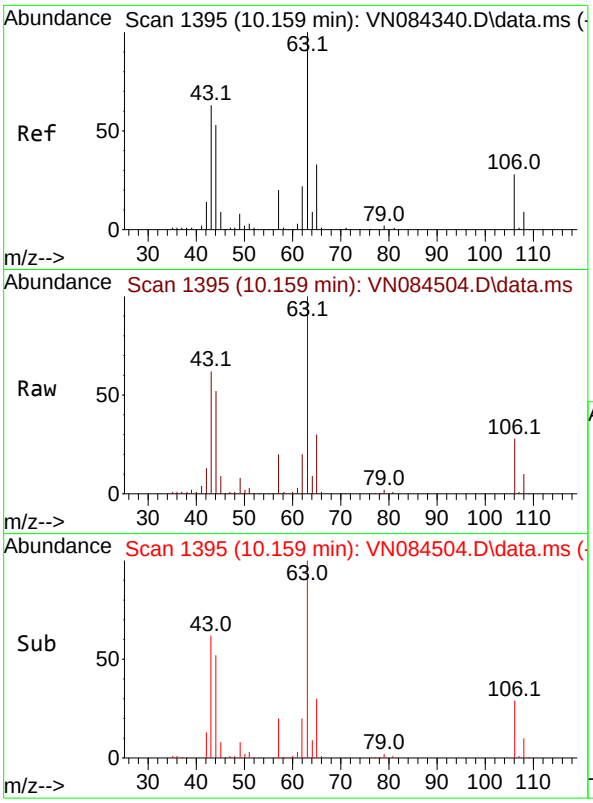


#54
1,2-Dibromoethane
Concen: 18.368 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:107 Resp: 44557

Ion	Ratio	Lower	Upper
107	100		
109	96.1	73.8	110.6

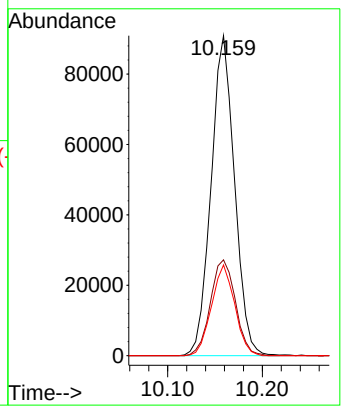




#55
2-Chloroethyl vinyl ether
Concen: 88.623 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 63 Resp: 15646

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.6	38.4
106	28.1	21.6	32.4



Instrument :
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ClientSampleId :
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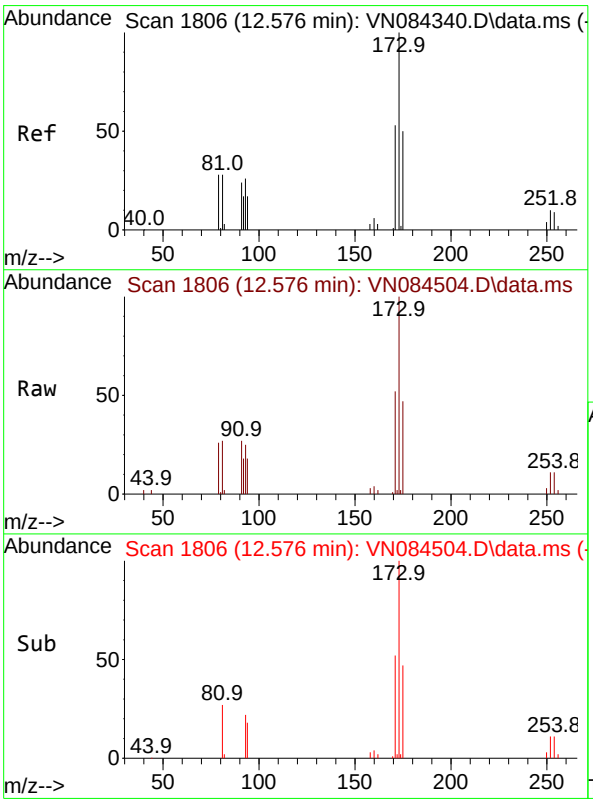
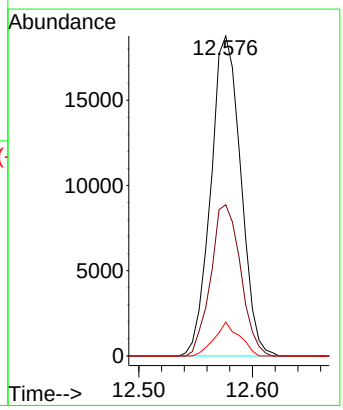
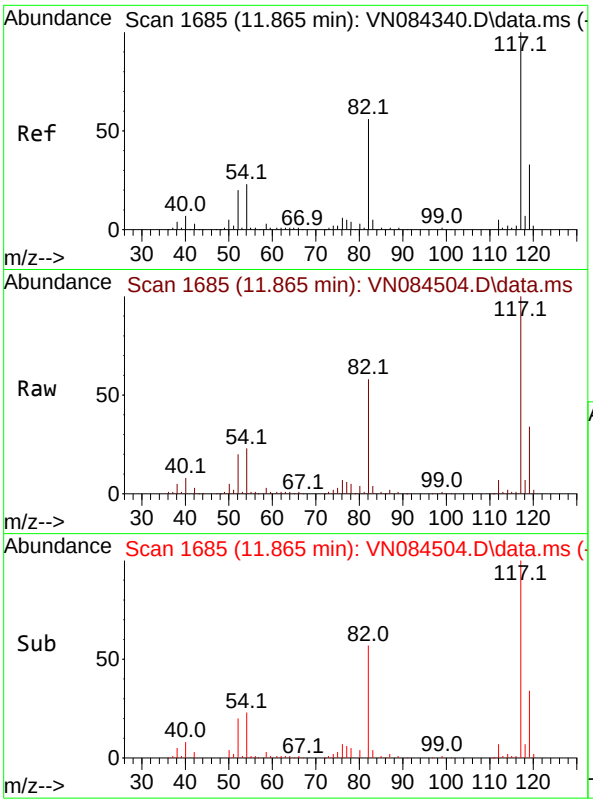


#56
Bromoform
Concen: 18.609 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:173 Resp: 34361

Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.4	59.2
254	8.9	6.8	10.2

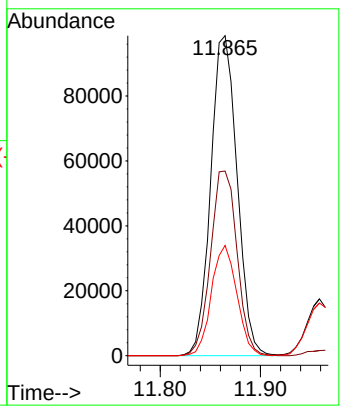




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:117 Resp: 18051

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.2	69.4
119	33.2	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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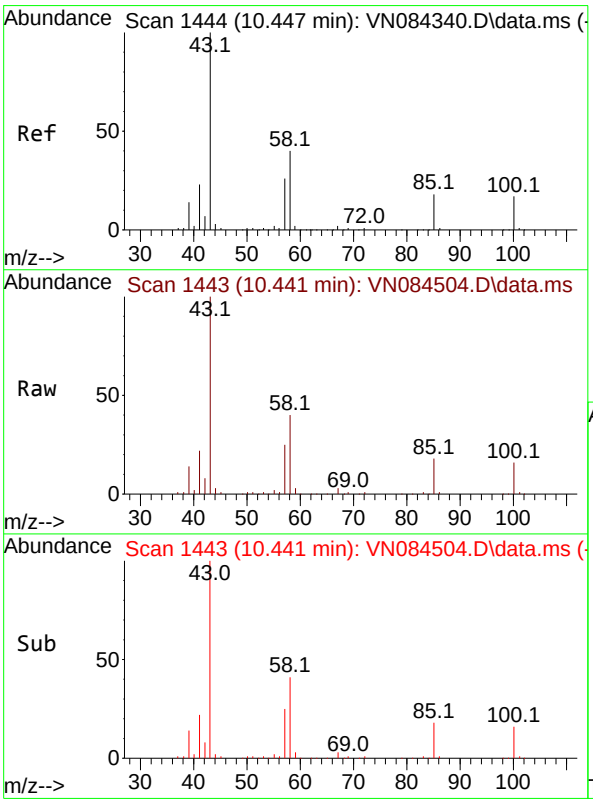
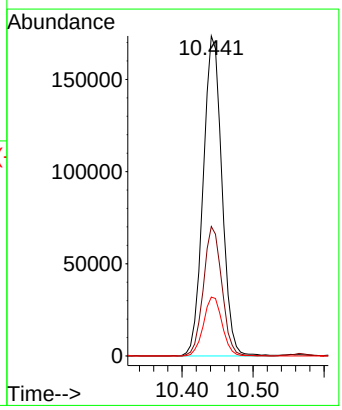
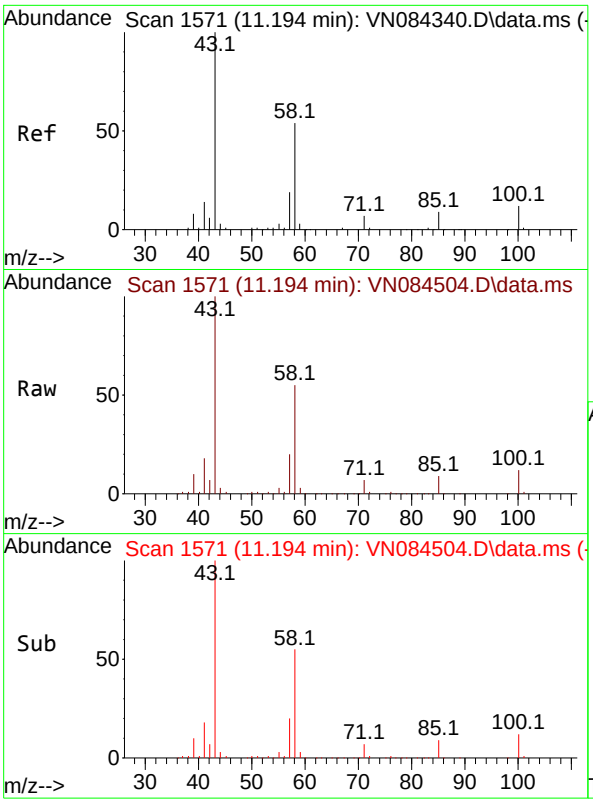


#58
4-Methyl-2-Pentanone
Concen: 94.836 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 318910

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.9	47.9
85	18.4	14.6	22.0

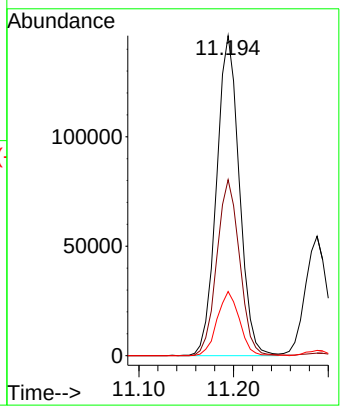




#59
2-Hexanone
Concen: 97.858 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 24452

Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.0	66.0
57	19.6	15.4	23.2



Instrument :
MSVOA_N
ClientSampleId :
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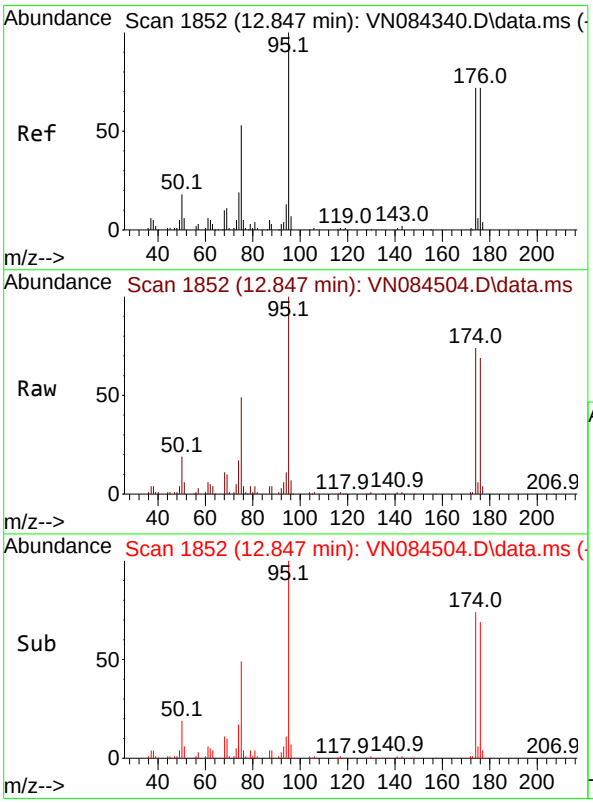
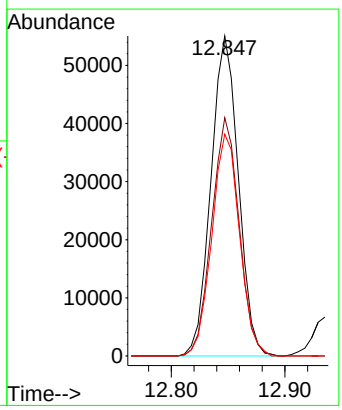
Supervised By :Mahesh Dadoda 10/28/2024

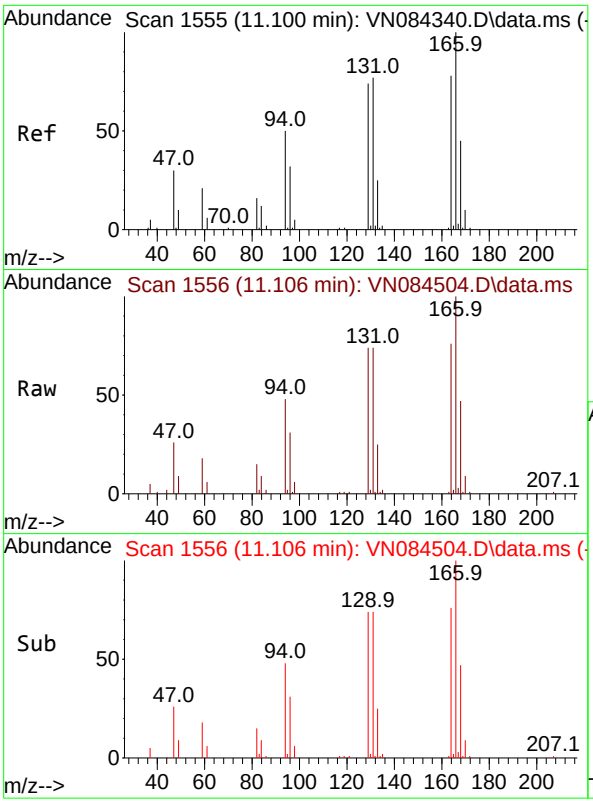


#60
4-Bromofluorobenzene
Concen: 30.944 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 95 Resp: 92192

Ion	Ratio	Lower	Upper
95	100		
174	74.4	58.2	87.2
176	70.3	56.4	84.6

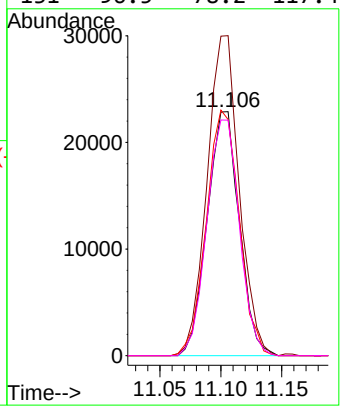




#61
Tetrachloroethene
Concen: 20.529 ug/l
RT: 11.106 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:164 Resp: 4191

Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.5	153.7
129	96.8	75.7	113.5
131	96.5	78.2	117.4



Instrument :
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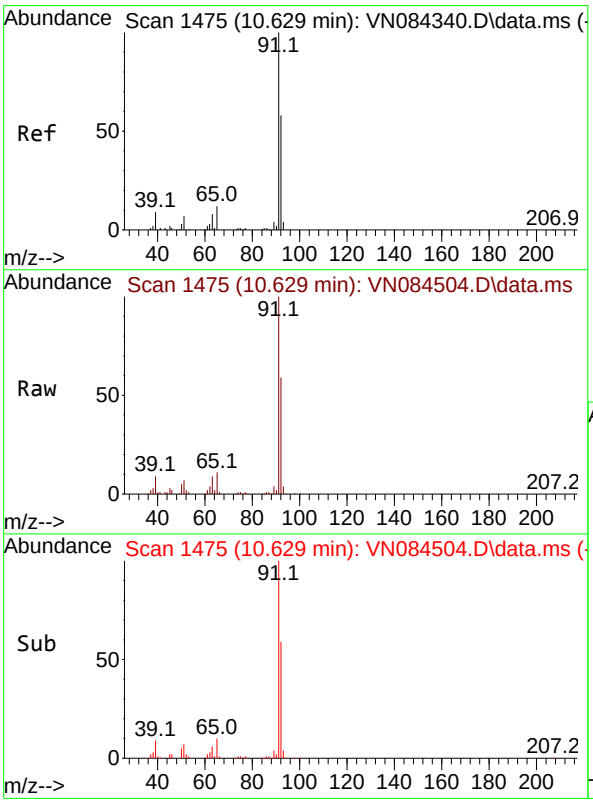
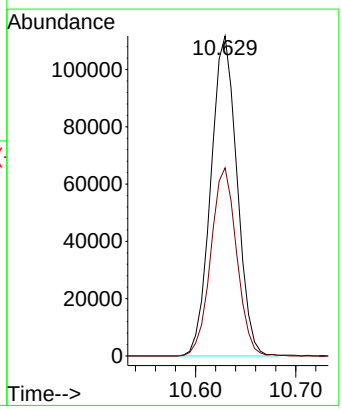
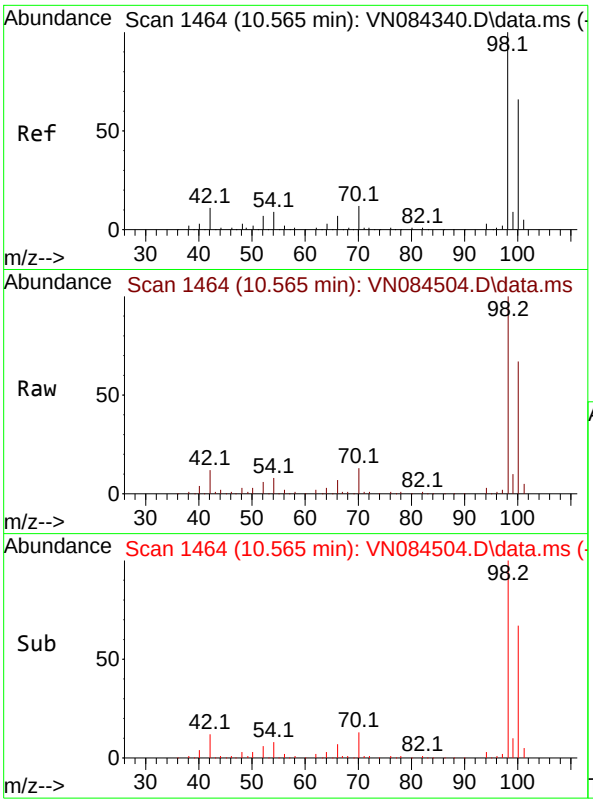


#62
Toluene
Concen: 19.171 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 202597

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.2	70.8

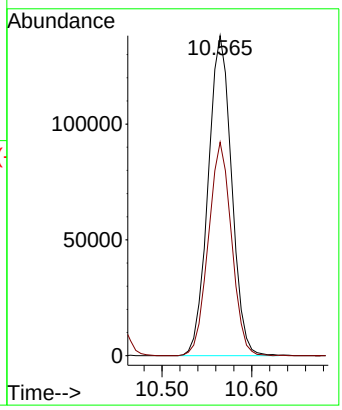




#63
Toluene-d8
Concen: 30.014 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 98 Resp: 25100

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7



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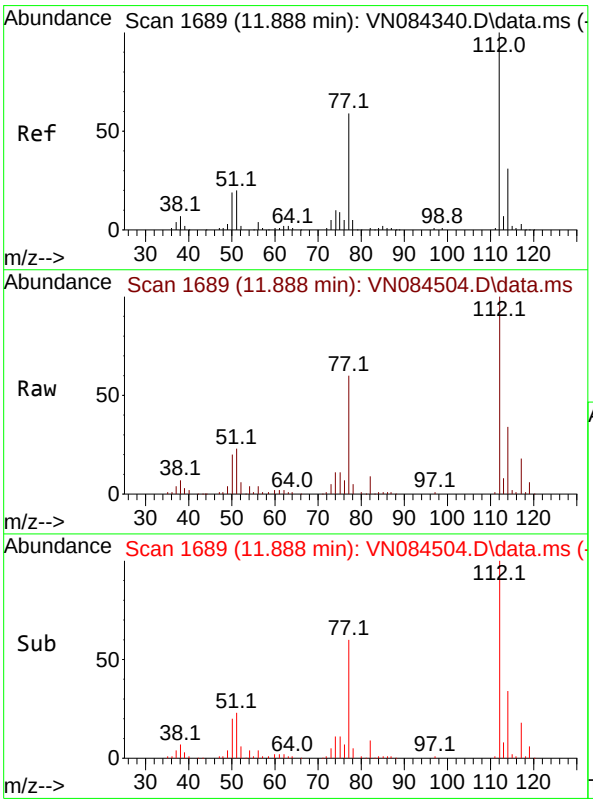
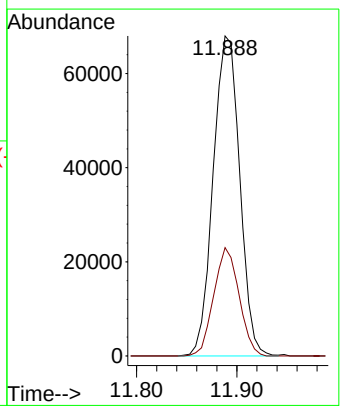
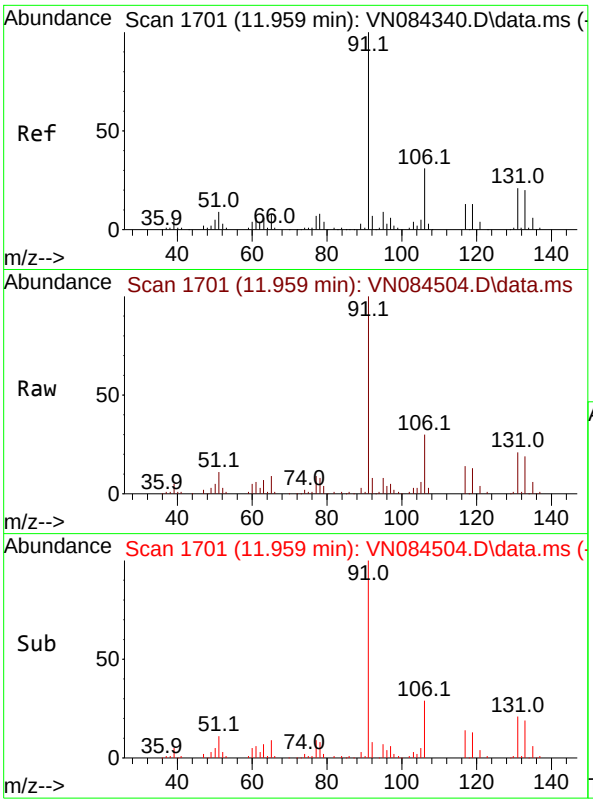


#64
Chlorobenzene
Concen: 18.968 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:112 Resp: 124737

Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.1	37.7

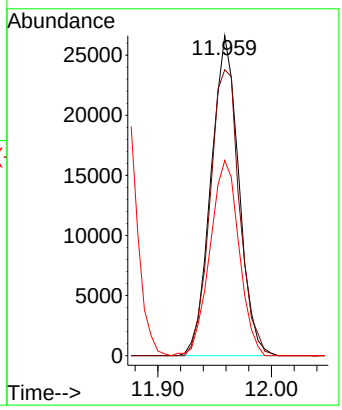




#65
1,1,1,2-Tetrachloroethane
Concen: 19.810 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:131 Resp: 4525

Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	190.4
119	63.6	0.0	130.0



Instrument :
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ClientSampleId :
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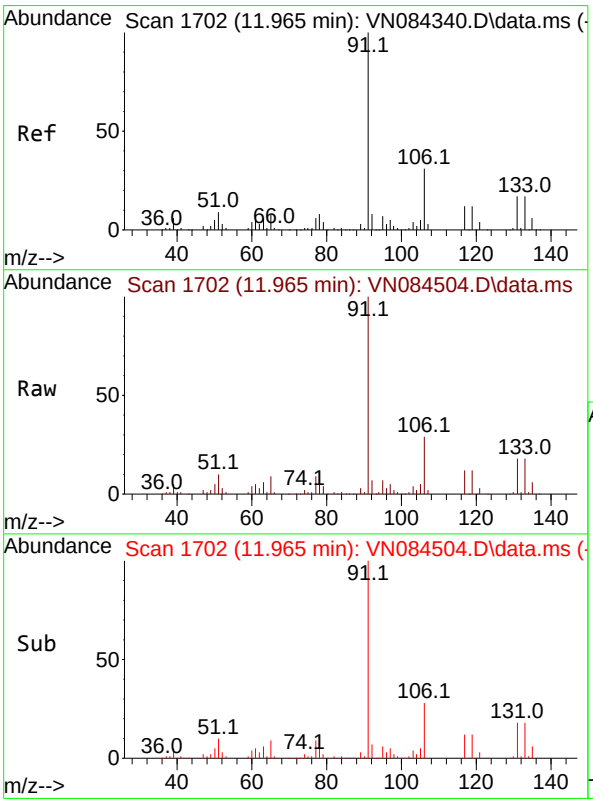
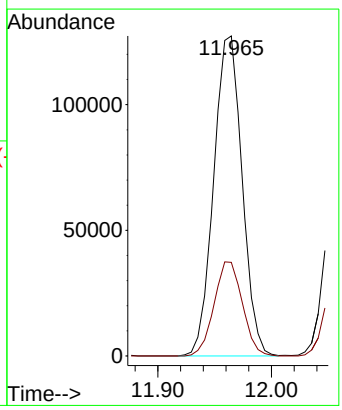
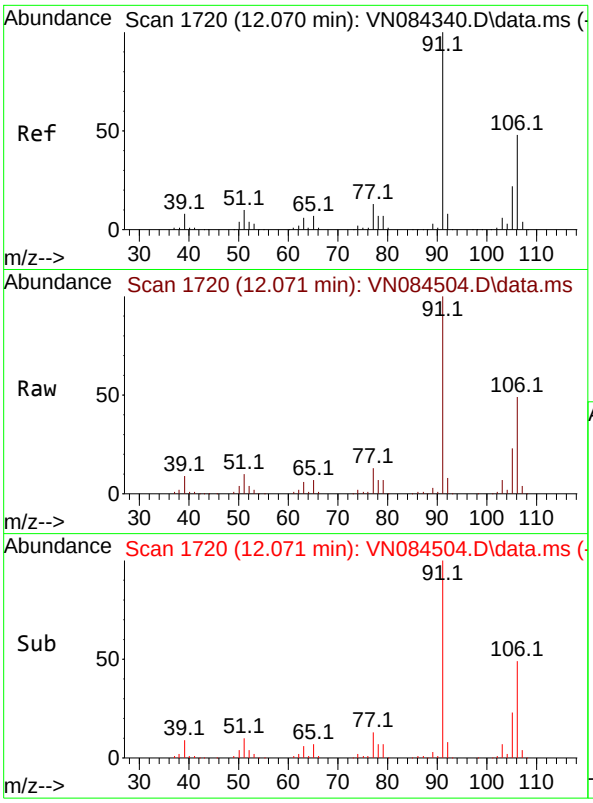


#66
Ethyl Benzene
Concen: 19.279 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 221348

Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.2	37.8

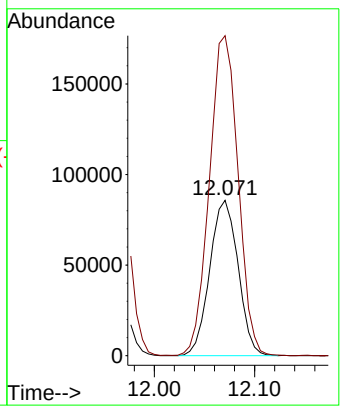




#67
m/p-Xylenes
Concen: 38.666 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:106 Resp: 16841

Ion	Ratio	Lower	Upper
106	100		
91	208.8	166.7	250.1



Instrument :
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ClientSampleId :
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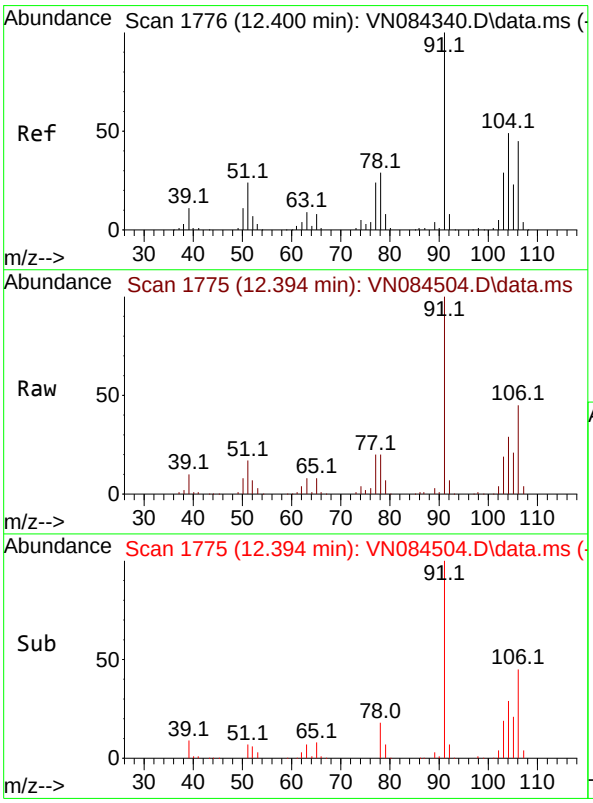
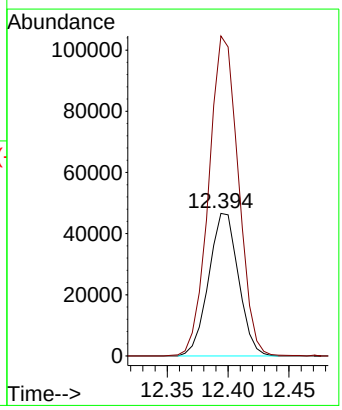
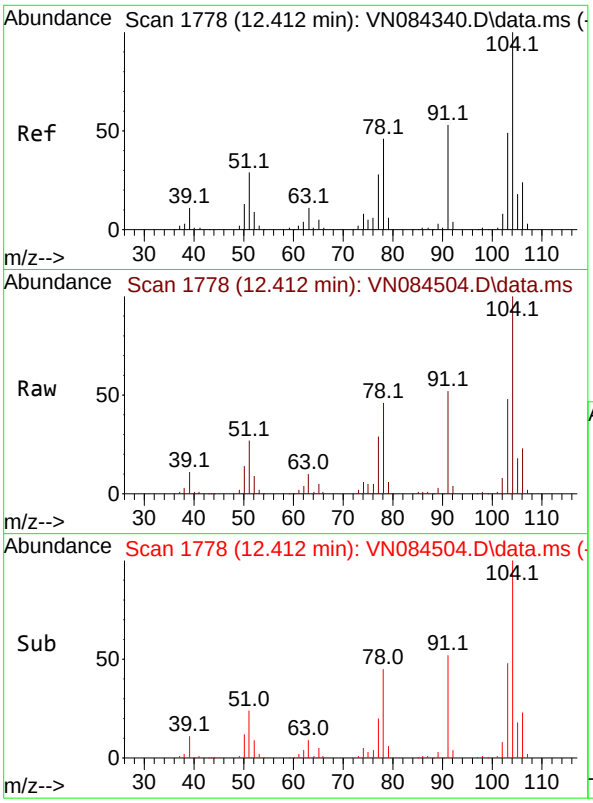


#68
o-Xylene
Concen: 18.914 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:106 Resp: 79405

Ion	Ratio	Lower	Upper
106	100		
91	223.0	110.9	332.9

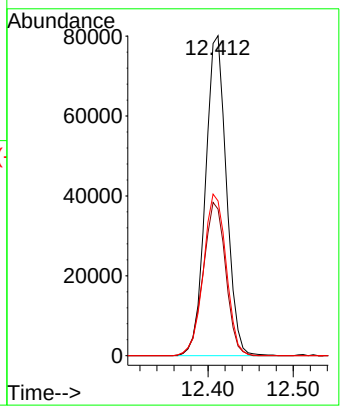




#69
Styrene
Concen: 18.946 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:104 Resp: 13654

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.6	62.4
103	55.0	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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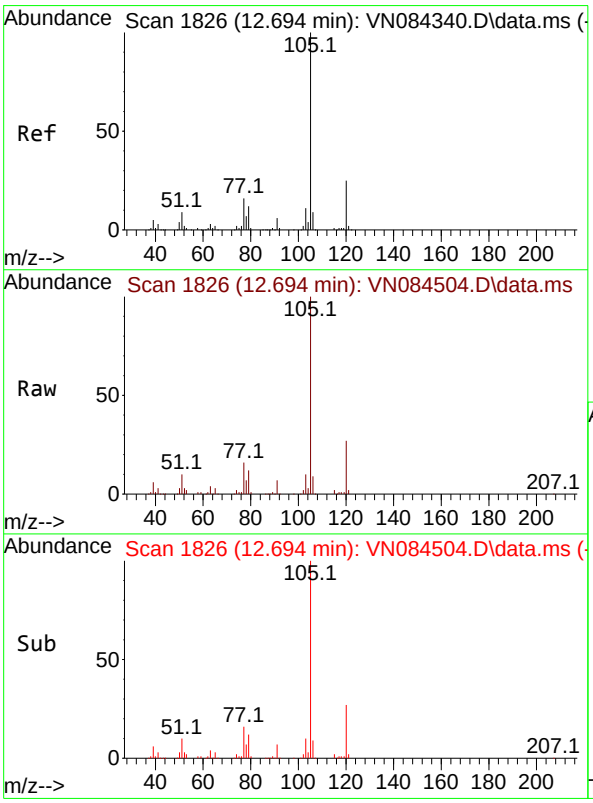
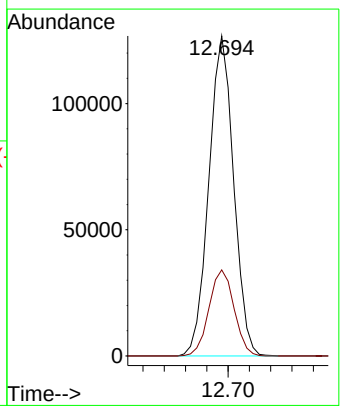
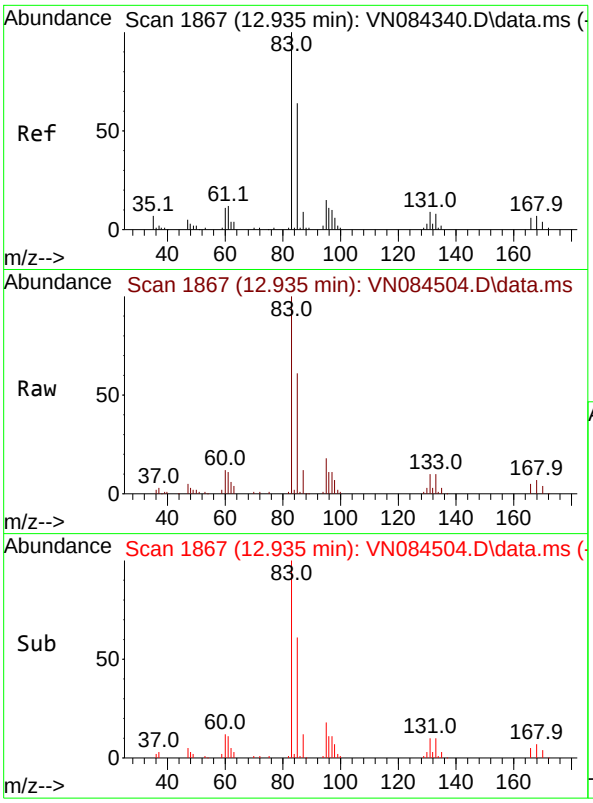


#70
Isopropylbenzene
Concen: 19.115 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 204870

Ion	Ratio	Lower	Upper
105	100		
120	27.1	17.4	32.4

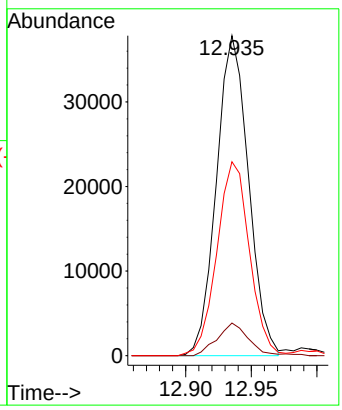




#71
1,1,2,2-Tetrachloroethane
Concen: 19.381 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 83 Resp: 6425

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	61.6	32.0	96.2



Instrument :
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ClientSampleId :
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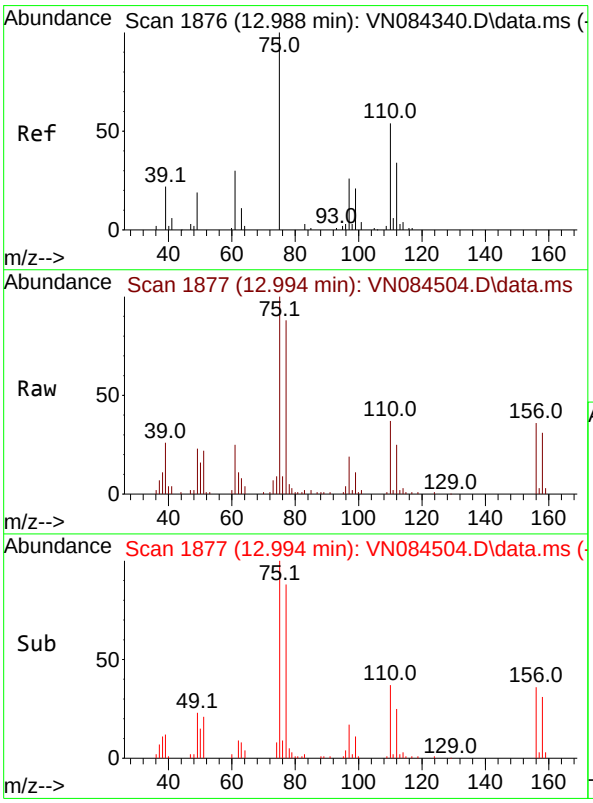
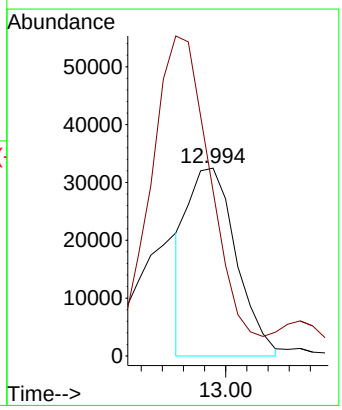
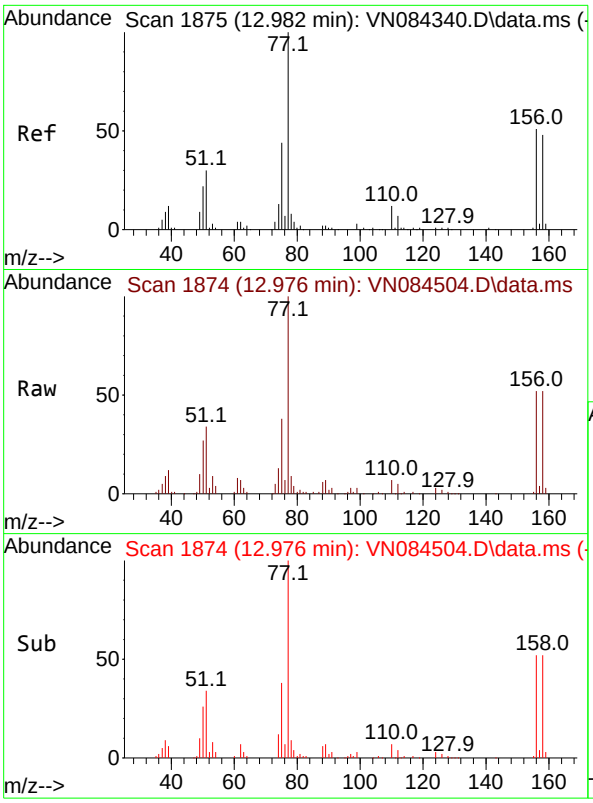


#72
1,2,3-Trichloropropane
Concen: 18.267 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 51869

Ion	Ratio	Lower	Upper
75	100		
77	214.4	0.0	414.0

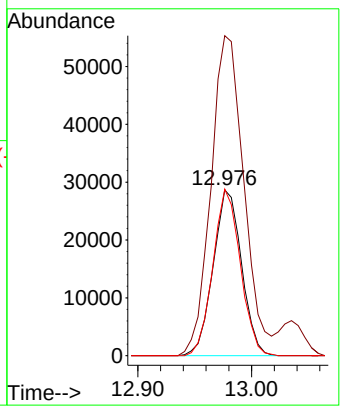




#73
Bromobenzene
Concen: 19.131 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:156 Resp: 4965

Ion	Ratio	Lower	Upper
156	100		
77	223.9	0.0	451.0
158	97.3	0.0	194.6



Instrument :
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ClientSampleId :
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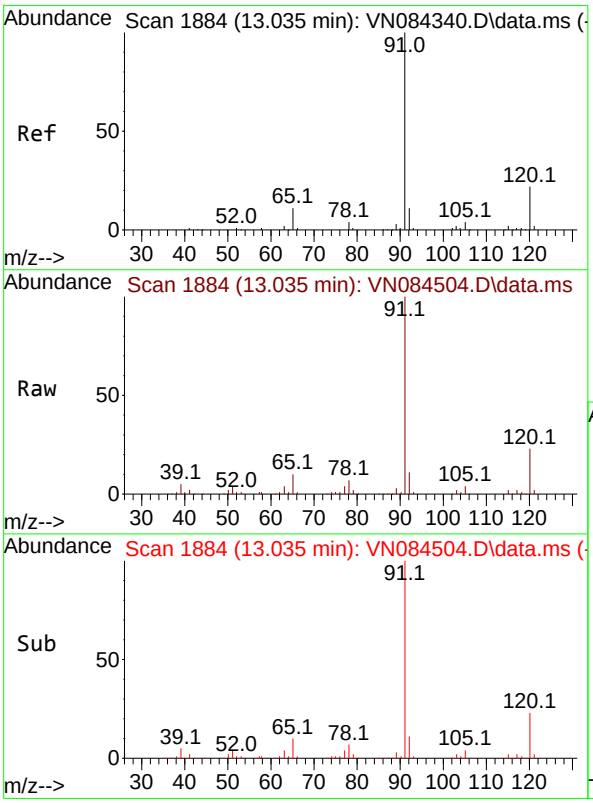
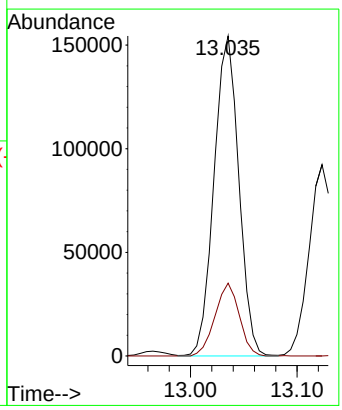
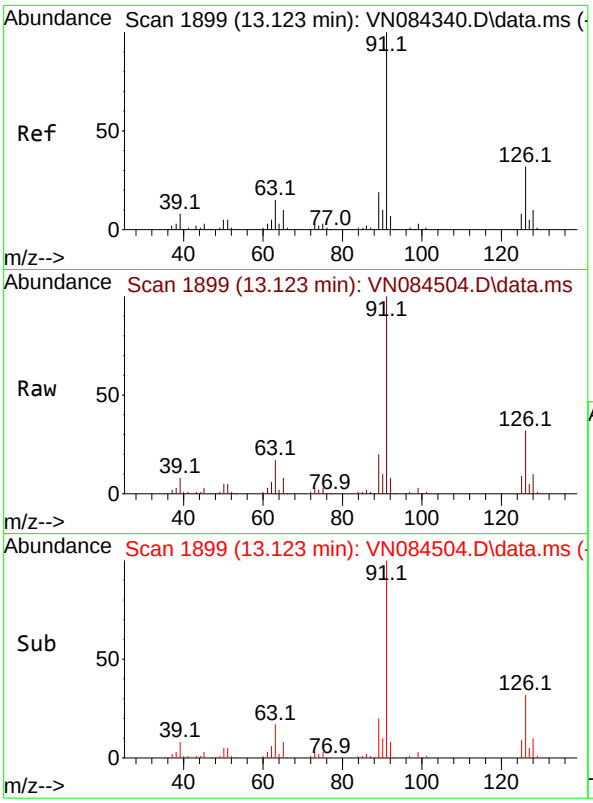


#74
n-propylbenzene
Concen: 19.531 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 249446

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.2

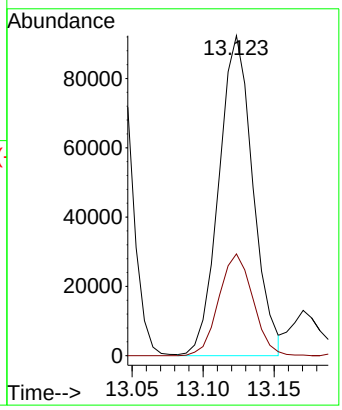




#75
2-Chlorotoluene
Concen: 19.418 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 15410

Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	64.0



Instrument :
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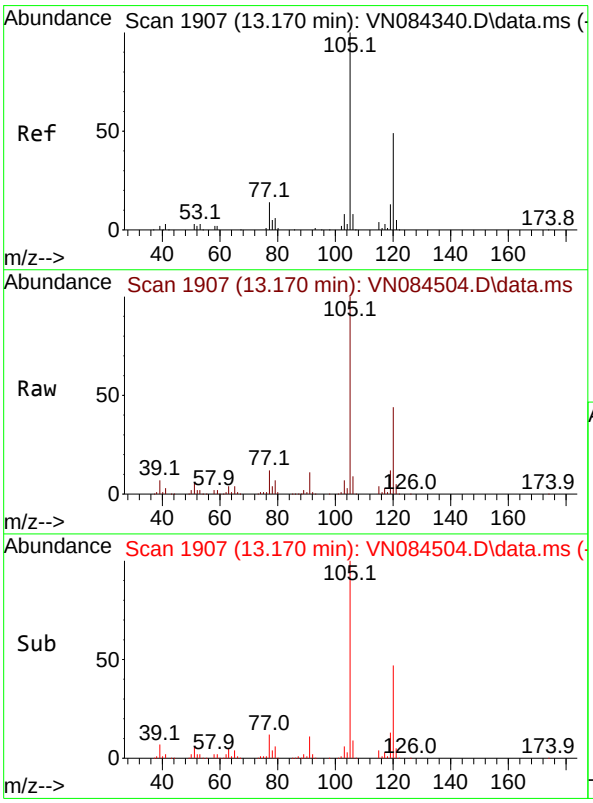
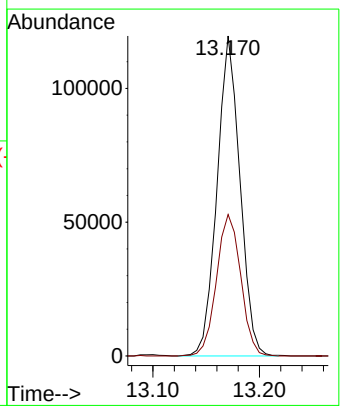
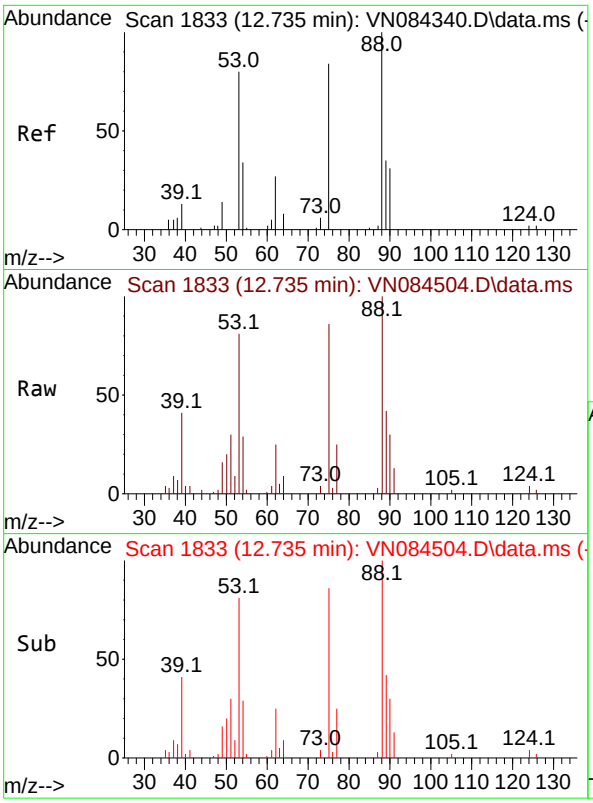


#76
1,3,5-Trimethylbenzene
Concen: 19.747 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 178201

Ion	Ratio	Lower	Upper
105	100		
120	46.8	0.0	94.4

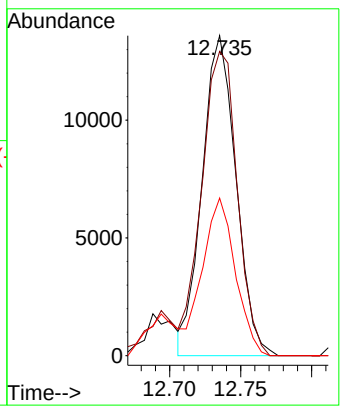




#77
t-1,4-Dichloro-2-butene
Concen: 18.550 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 2250

Ion	Ratio	Lower	Upper
75	100		
53	95.1	47.3	142.0
89	49.3	22.9	68.8



Instrument :
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ClientSampleId :
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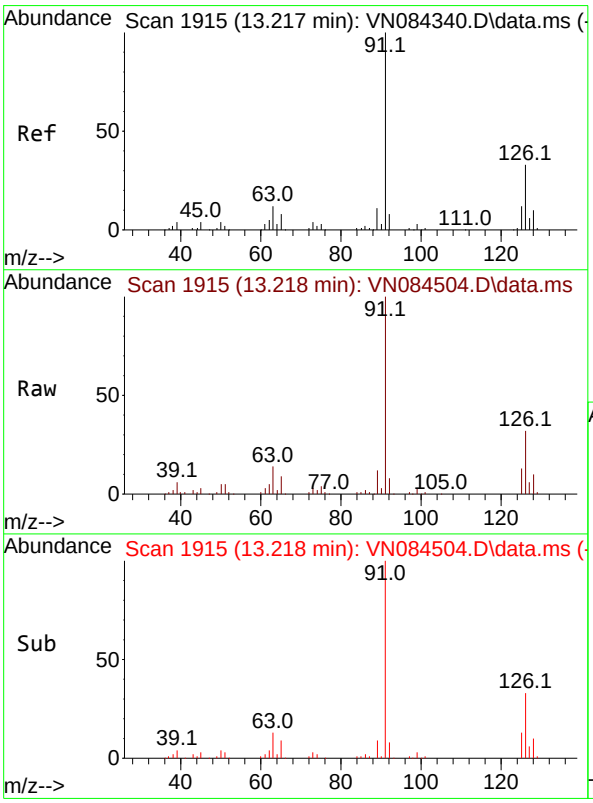
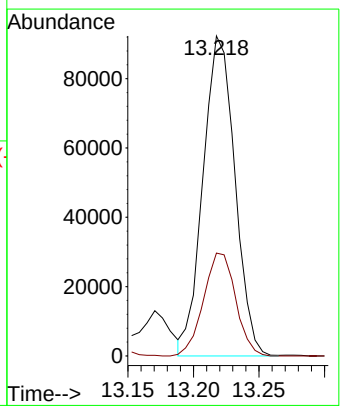
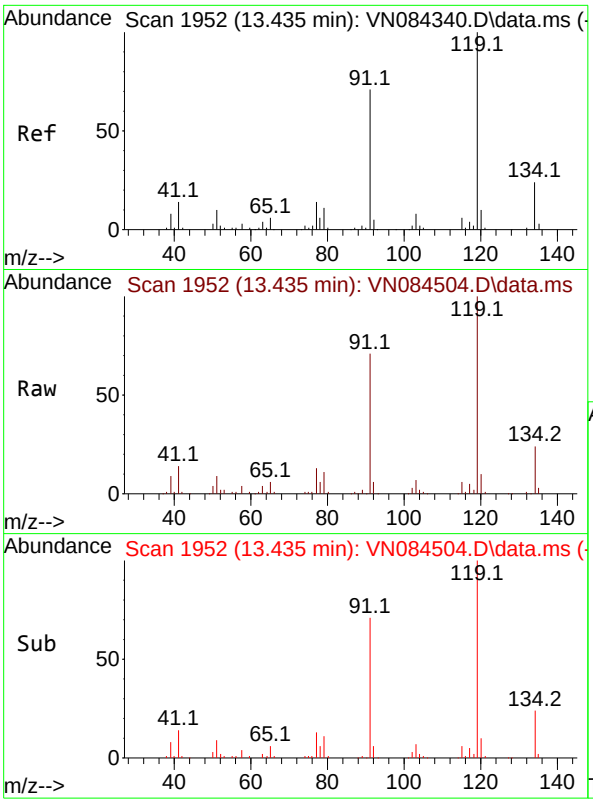


#78
4-Chlorotoluene
Concen: 19.368 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 156277

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	62.4

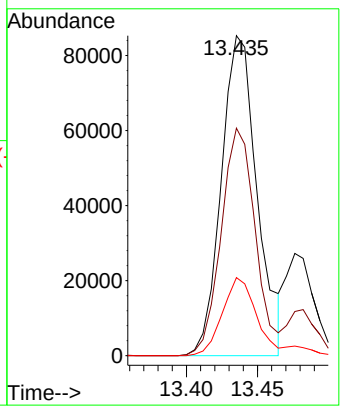




#79
tert-butylbenzene
Concen: 19.464 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:119 Resp: 14985

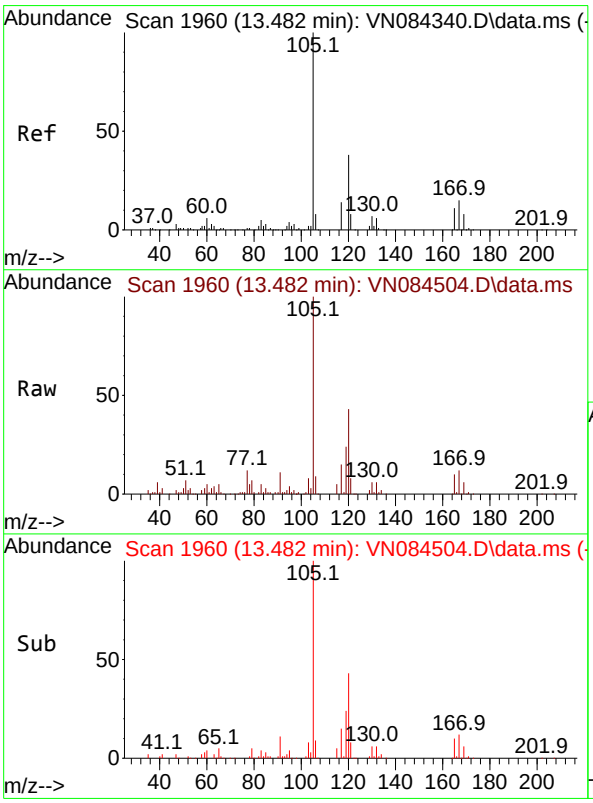
Ion	Ratio	Lower	Upper
119	100		
91	67.8	0.0	138.0
134	22.9	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

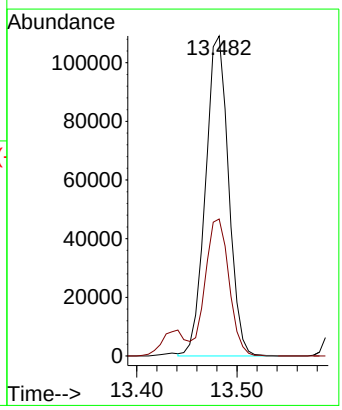
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

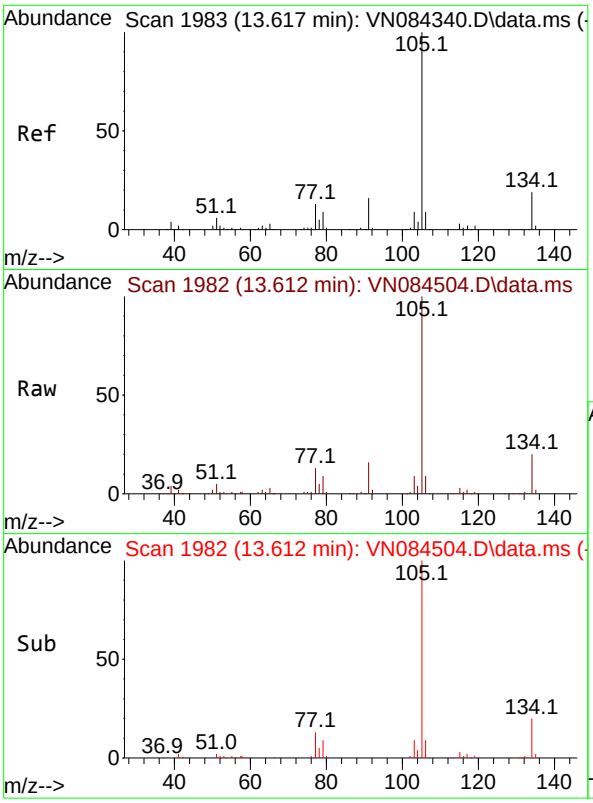


#80
1,2,4-Trimethylbenzene
Concen: 19.081 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 174715

Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	88.8

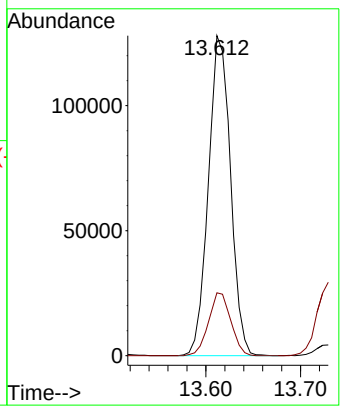




#81
sec-Butylbenzene
Concen: 19.600 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 20774

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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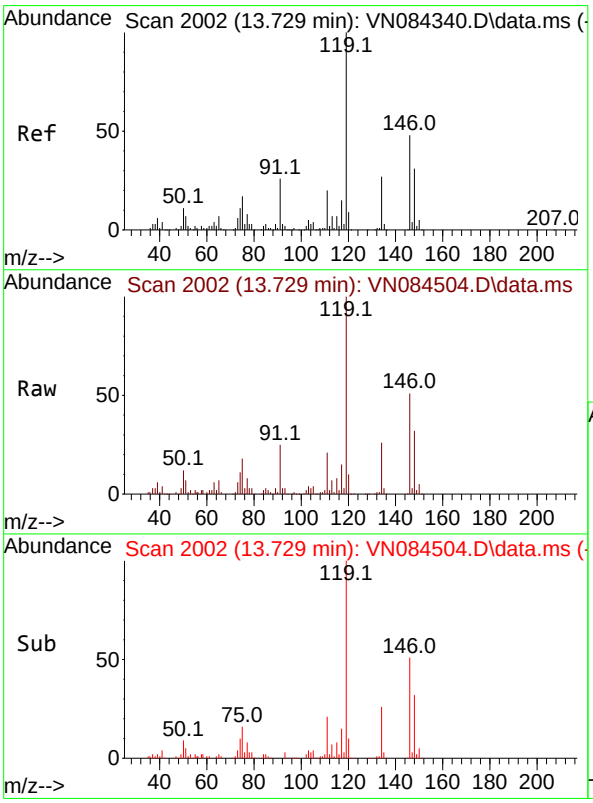
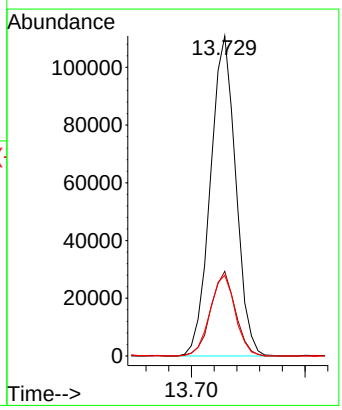
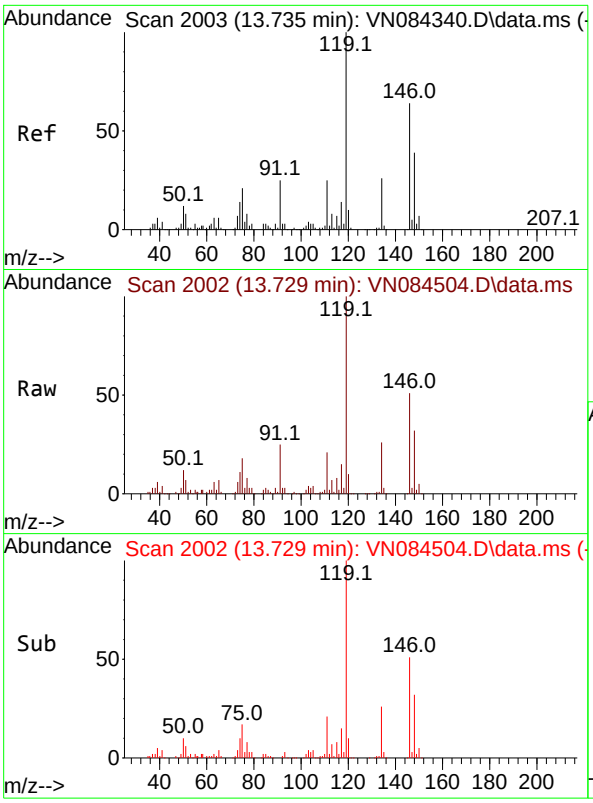


#82
p-Isopropyltoluene
Concen: 19.272 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:119 Resp: 171934

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	50.2
91	25.1	0.0	50.6





#83
1,3-Dichlorobenzene
Concen: 19.307 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:146 Resp: 9318

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	64.3	31.6	94.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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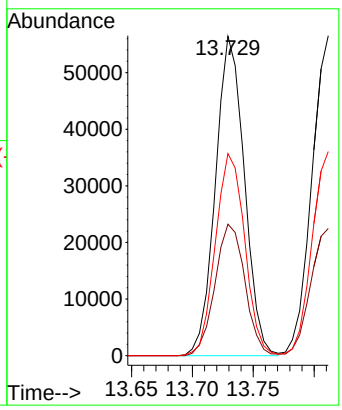
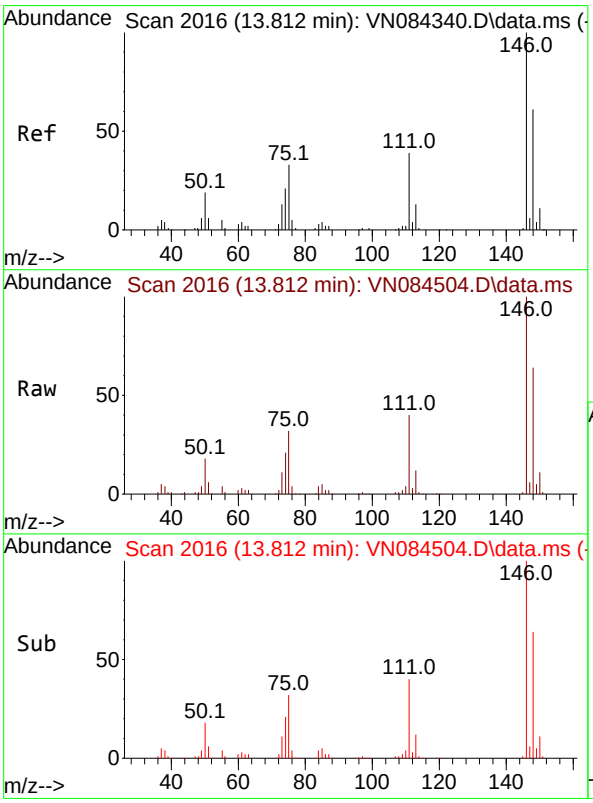
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

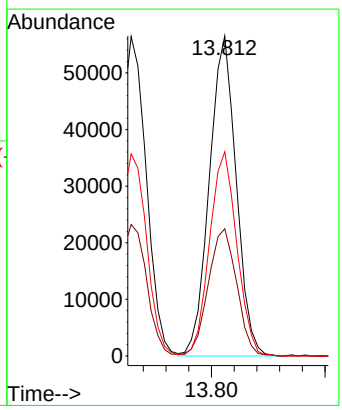


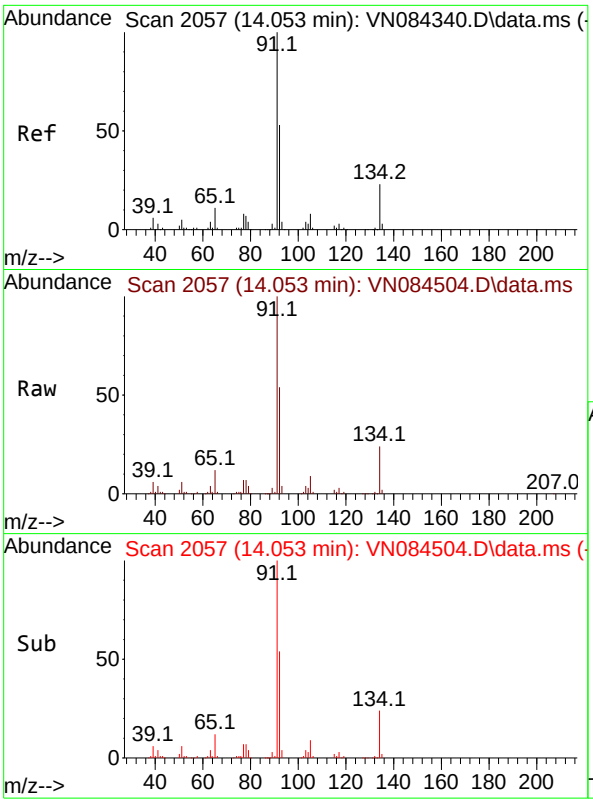


#84
1,4-Dichlorobenzene
Concen: 19.397 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:146 Resp: 92963

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	64.7	32.5	97.4





#85
n-Butylbenzene
Concen: 18.976 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 14662

Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	103.4
134	24.2	0.0	48.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2024
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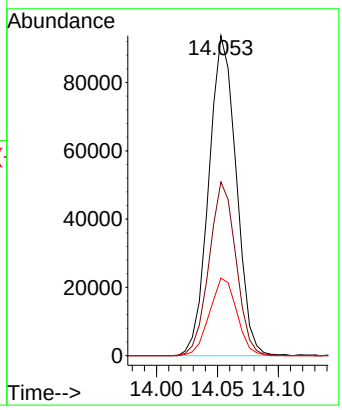
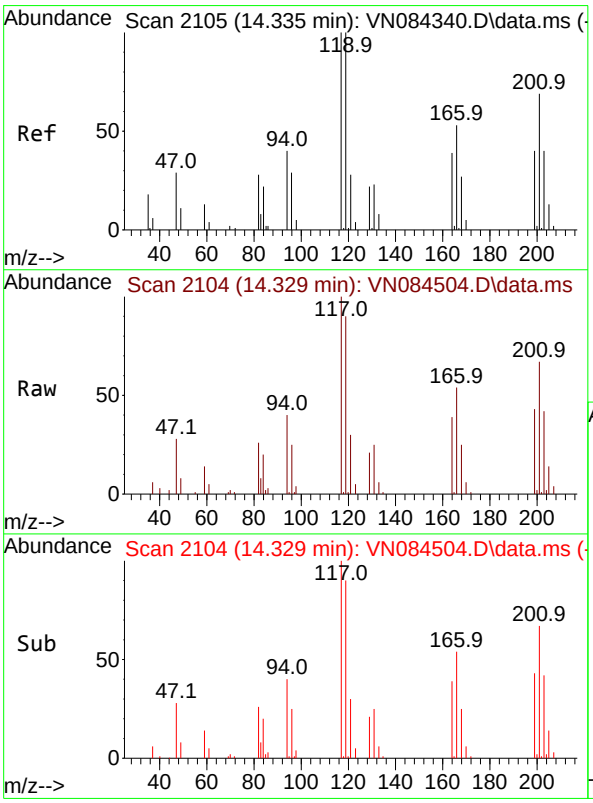
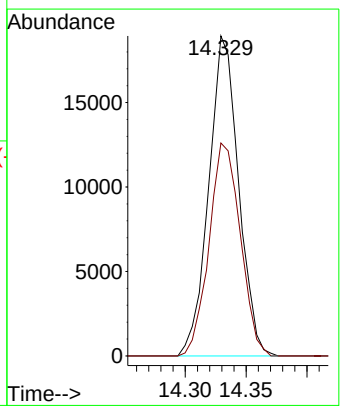


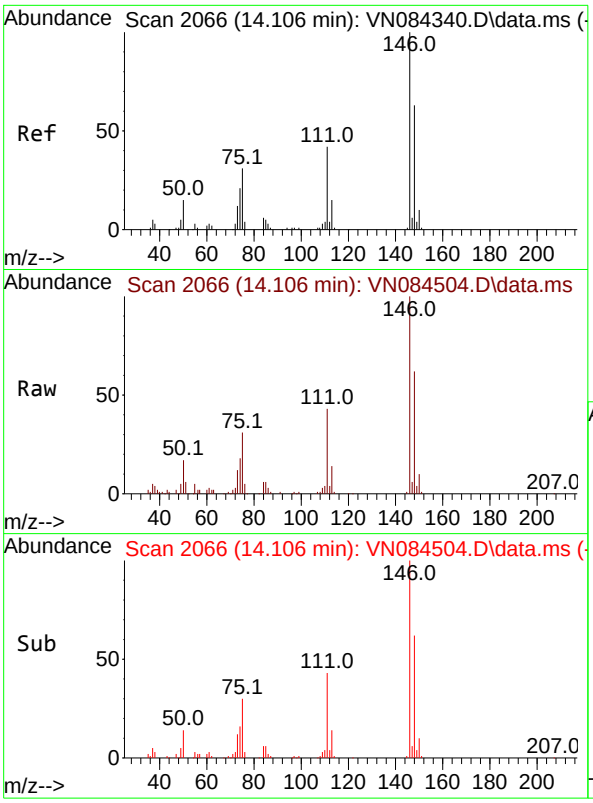


#86
Hexachloroethane
Concen: 18.728 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:117 Resp: 32190

Ion	Ratio	Lower	Upper
117	100		
201	69.8	33.9	101.6

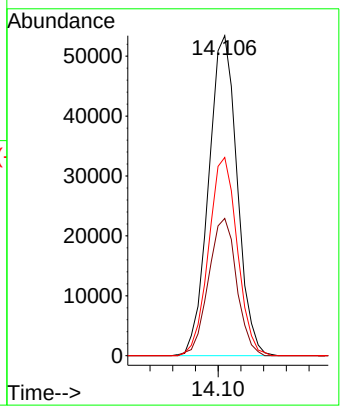




#87
1,2-Dichlorobenzene
Concen: 19.962 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:146 Resp: 9314

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.5
148	62.1	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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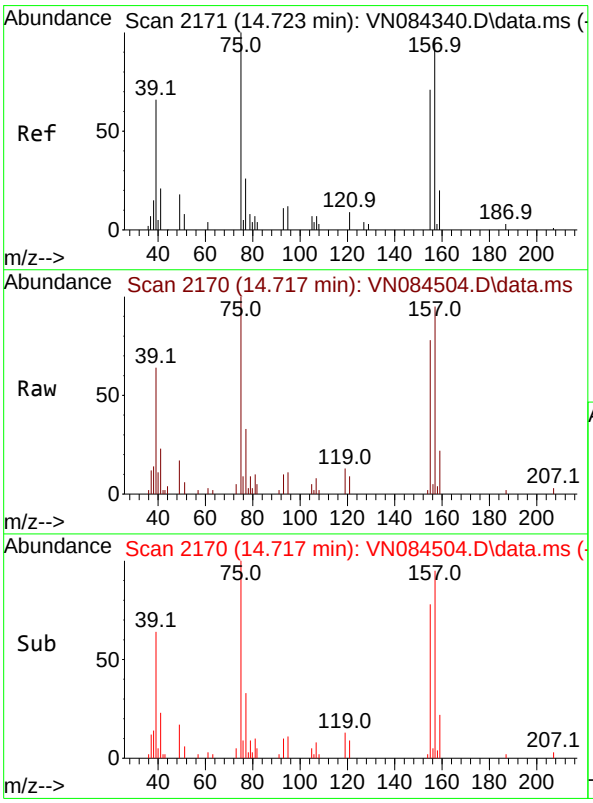
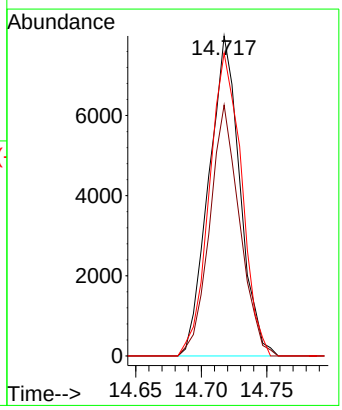
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

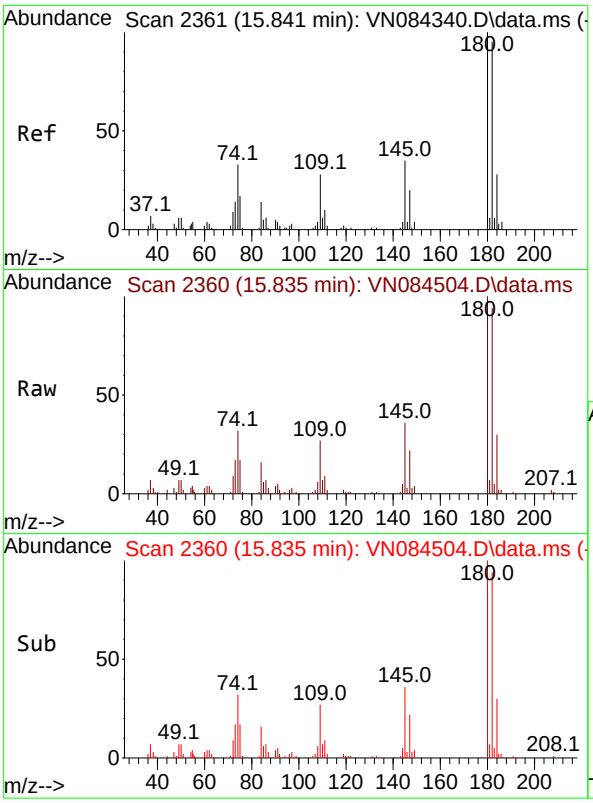


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.430 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 13174

Ion	Ratio	Lower	Upper
75	100		
155	75.5	61.8	92.8
157	97.9	77.4	116.0

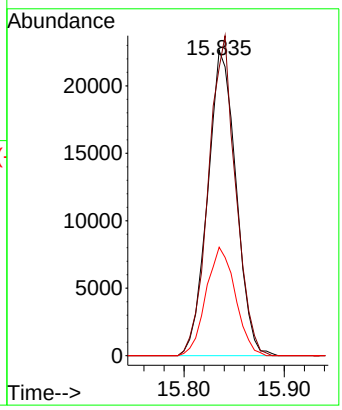




#89
1,2,4-Trichlorobenzene
Concen: 18.348 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:180 Resp: 4451

Ion	Ratio	Lower	Upper
180	100		
182	100.3	77.8	116.6
145	36.6	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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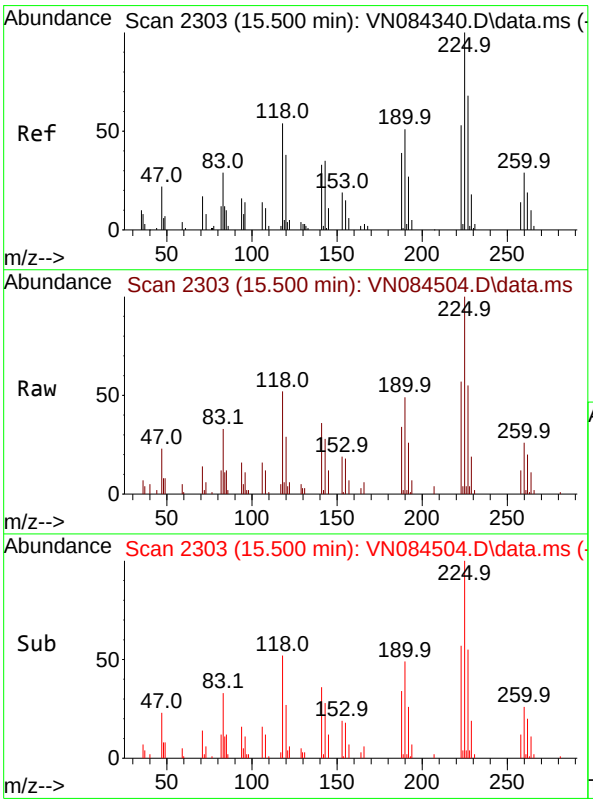
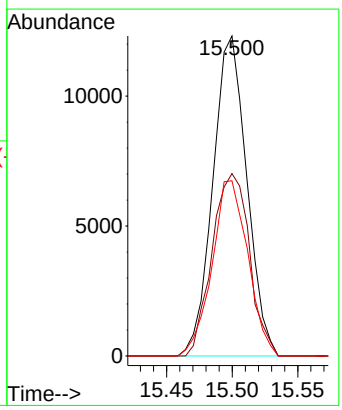
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

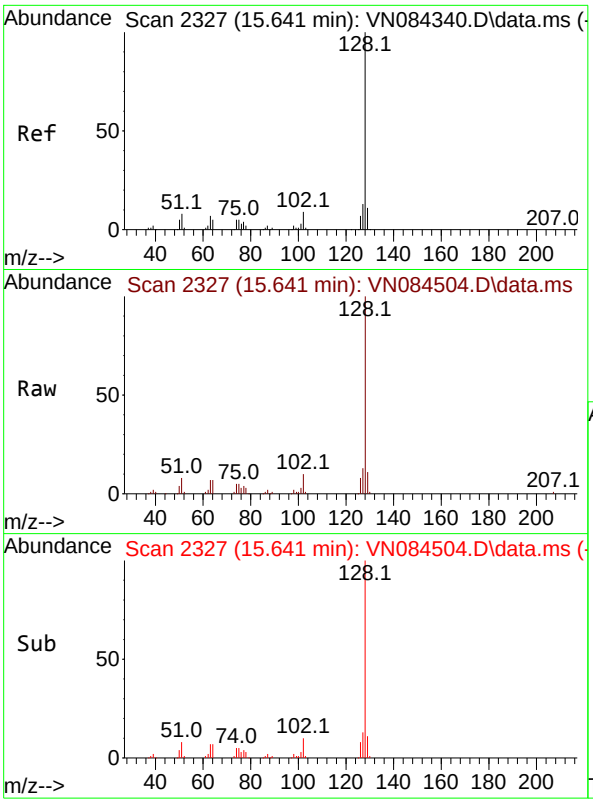


#90
Hexachlorobutadiene
Concen: 19.749 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:225 Resp: 22167

Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	124.0
227	57.8	0.0	130.8

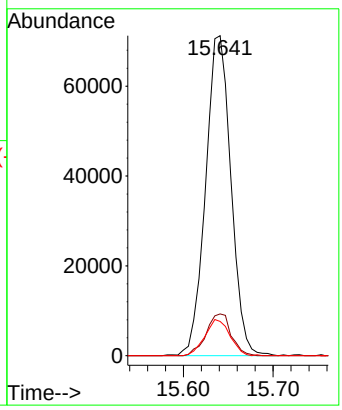




#91
Naphthalene
Concen: 17.015 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:128 Resp: 13988

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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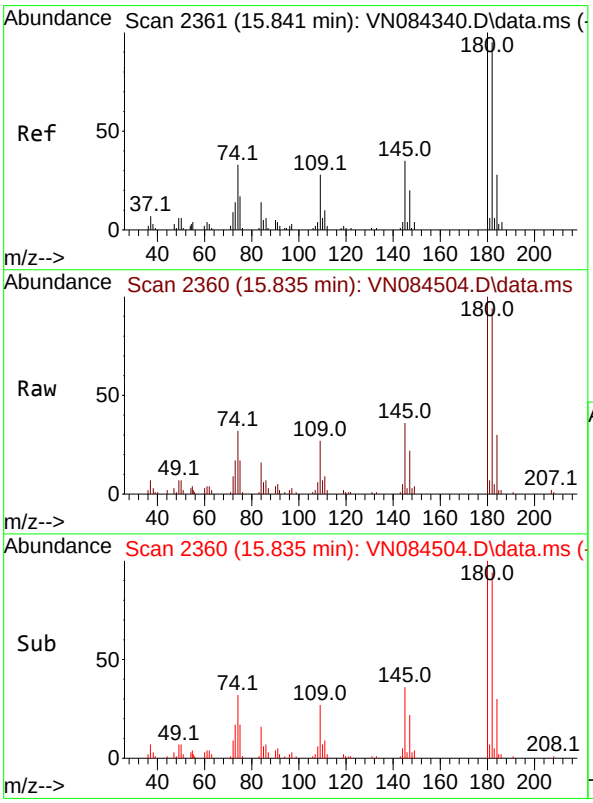
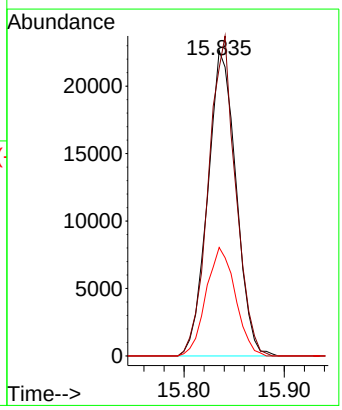


#92
1,2,3-Trichlorobenzene
Concen: 18.348 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:180 Resp: 44516

Ion	Ratio	Lower	Upper
180	100		
182	100.3	0.0	194.4
145	36.6	0.0	72.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 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	Bromochloromethane	1.000	1.000	0.0	102	0.00
2	M	Dichlorodifluoromethane	1.832	1.676	8.5	89	0.00
3	M	Chloromethane	2.084	1.831	12.1	87	0.00
4	M	Vinyl Chloride	2.044	1.874	8.3	91	0.00
5	M	Bromomethane	1.354	1.189	12.2	86	0.00
6	M	Chloroethane	1.340	1.274	4.9	93	0.00
7	M	Trichlorofluoromethane	3.329	3.123	6.2	94	0.00
8	T	Diethyl Ether	1.224	1.151	6.0	96	0.00
9		1,1,2-Trichlorotrifluoroeth	1.872	1.862	0.5	101	0.01
10	M	1,1-Dichloroethene	1.868	1.715	8.2	96	0.00
11		Methyl Iodide	2.455	2.262	7.9	94	0.00
12		Methyl Acetate	2.339	2.483	-6.2	111	0.00
13	M	Acrolein	0.434	0.431	0.7	110	0.00
14	M	Acrylonitrile	1.051	0.953	9.3	91	0.00
15	M	Acetone	0.300	0.368	-22.7	132	0.00
16	M	Carbon Disulfide	5.562	4.632	16.7	83	0.00
17		Allyl chloride	3.028	2.791	7.8	92	0.00
18	M	Methylene Chloride	2.104	1.939	7.8	92	0.00
19	M	trans-1,2-Dichloroethene	1.977	1.797	9.1	91	0.00
20	T	Diisopropyl ether	6.510	6.189	4.9	95	0.00
21	M	1,1-Dichloroethane	3.736	3.621	3.1	97	0.00
22	M	cis-1,2-Dichloroethene	2.300	2.240	2.6	97	0.00
23	M	tert-Butyl Alcohol	0.403	0.364	9.7	93	0.00
24	M	Methyl tert-Butyl Ether	6.242	5.963	4.5	97	-0.01
25	M	Chloroform	3.783	3.824	-1.1	100	0.00
26		Cyclohexane	3.124	2.756	11.8	86	0.00
27	s	1,2-Dichloroethane-d4	2.415	2.412	0.1	100	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29		1,1-Dichloropropene	0.492	0.447	9.1	94	0.00
30	M	2-Butanone	0.262	0.252	3.8	102	0.00
31		2,2-Dichloropropane	0.579	0.569	1.7	102	0.00
32	M	1,1,1-Trichloroethane	0.629	0.603	4.1	96	0.00
33	M	Carbon Tetrachloride	0.545	0.504	7.5	96	0.00
34	M	Benzene	1.542	1.442	6.5	96	0.00
35		Methacrylonitrile	0.280	0.255	8.9	96	0.00
36	M	1,2-Dichloroethane	0.514	0.488	5.1	97	0.00
37	M	Trichloroethene	0.355	0.335	5.6	95	0.00
38		Methylcyclohexane	0.541	0.486	10.2	97	0.00
39	M	1,2-Dichloropropane	0.376	0.353	6.1	95	0.00
40		Dibromomethane	0.263	0.248	5.7	98	0.00
41	M	Bromodichloromethane	0.558	0.524	6.1	97	0.00
42	M	Vinyl Acetate	0.912	0.805	11.7	94	0.00
43		Ethyl Acetate	0.517	0.440	14.9	89	0.00
44		Isopropyl Acetate	0.846	0.973	-15.0	120	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	97	0.00
46		Methyl methacrylate	0.409	0.351	14.2	90	0.00
47		n-amyl Acetate	0.753	0.668	11.3	94	0.00
48	M	t-1,3-Dichloropropene	0.576	0.532	7.6	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 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	cis-1,3-Dichloropropene	0.604	0.565	6.5	95	0.00
50	M	1,1,2-Trichloroethane	0.353	0.335	5.1	98	0.00
51		Ethyl methacrylate	0.583	0.530	9.1	96	0.00
52		1,3-Dichloropropane	0.617	0.579	6.2	96	0.00
53	M	Dibromochloromethane	0.417	0.392	6.0	98	0.00
54	M	1,2-Dibromoethane	0.364	0.334	8.2	93	0.00
55	M	2-Chloroethyl vinyl ether	0.265	0.234	11.7	97	0.00
56	M	Bromoform	0.277	0.257	7.2	101	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58	M	4-Methyl-2-Pentanone	0.559	0.530	5.2	95	0.00
59	M	2-Hexanone	0.415	0.406	2.2	100	0.00
60	S	4-Bromofluorobenzene	0.495	0.511	-3.2	104	0.00
61	M	Tetrachloroethene	0.339	0.348	-2.7	102	0.00
62	M	Toluene	1.756	1.683	4.2	96	0.00
63	S	Toluene-d8	1.390	1.390	0.0	100	0.00
64	M	Chlorobenzene	1.093	1.036	5.2	95	0.00
65		1,1,1,2-Tetrachloroethane	0.380	0.376	1.1	98	0.00
66	M	Ethyl Benzene	1.908	1.839	3.6	97	0.00
67	M	m/p-Xylenes	0.724	0.700	3.3	97	0.00
68	M	o-Xylene	0.698	0.660	5.4	95	0.00
69	M	Styrene	1.198	1.135	5.3	96	0.00
70		Isopropylbenzene	1.781	1.702	4.4	95	0.00
71	M	1,1,2,2-Tetrachloroethane	0.551	0.534	3.1	97	0.00
72		1,2,3-Trichloropropane	0.472	0.431	8.7	93	0.00
73		Bromobenzene	0.431	0.413	4.2	97	0.00
74		n-propylbenzene	2.123	2.073	2.4	98	0.00
75		2-Chlorotoluene	1.319	1.281	2.9	97	0.00
76		1,3,5-Trimethylbenzene	1.500	1.481	1.3	100	0.00
77		t-1,4-Dichloro-2-butene	0.202	0.187	7.4	100	0.00
78		4-Chlorotoluene	1.341	1.299	3.1	98	0.00
79		tert-butylbenzene	1.279	1.245	2.7	99	0.00
80		1,2,4-Trimethylbenzene	1.522	1.452	4.6	97	0.00
81		sec-Butylbenzene	1.762	1.726	2.0	99	0.00
82		p-Isopropyltoluene	1.483	1.429	3.6	99	0.00
83	M	1,3-Dichlorobenzene	0.802	0.774	3.5	98	0.00
84	M	1,4-Dichlorobenzene	0.796	0.772	3.0	102	0.00
85		n-Butylbenzene	1.284	1.218	5.1	102	0.00
86	T	Hexachloroethane	0.286	0.267	6.6	96	0.00
87	M	1,2-Dichlorobenzene	0.775	0.774	0.1	102	0.00
88		1,2-Dibromo-3-Chloropropane	0.113	0.109	3.5	100	0.00
89		1,2,4-Trichlorobenzene	0.403	0.370	8.2	97	0.00
90		Hexachlorobutadiene	0.187	0.184	1.6	106	0.00
91	M	Naphthalene	1.366	1.162	14.9	91	0.00
92		1,2,3-Trichlorobenzene	0.403	0.370	8.2	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 19:37

Lab File ID: VN084527.D Init. Calib. Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:43 11:19

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.832	1.694		-7.53	50
Chloromethane	2.084	1.957		-6.09	50
Vinyl Chloride	2.044	1.938	0.1	-5.19	50
Bromomethane	1.354	1.250	0.1	-7.68	50
Chloroethane	1.340	1.229		-8.28	50
Trichlorofluoromethane	3.329	3.208		-3.63	50
1,1,2-Trichlorotrifluoroethane	1.872	1.881		0.48	50
1,1-Dichloroethene	1.868	1.752	0.1	-6.21	50
Acrolein	0.434	0.424		-2.3	50
Acrylonitrile	1.051	0.946		-9.99	50
Acetone	0.300	0.258		-14	50
Carbon Disulfide	5.562	4.811		-13.5	50
Methyl tert-Butyl Ether	6.242	5.925		-5.08	50
Methyl Acetate	2.339	2.432		3.98	50
Methylene Chloride	2.104	2.094		-0.47	50
trans-1,2-Dichloroethene	1.977	1.851		-6.37	50
1,1-Dichloroethane	3.736	3.694	0.2	-1.12	50
Cyclohexane	0.570	0.523		-8.25	50
2-Butanone	0.262	0.236		-9.92	50
Carbon Tetrachloride	0.545	0.538	0.1	-1.28	50
2,2-Dichloropropane	0.579	0.448		-22.63	50
cis-1,2-Dichloroethene	2.300	2.230		-3.04	50
Chloroform	3.783	3.831	0.2	1.27	50
1,1,1-Trichloroethane	0.629	0.624	0.1	-0.8	50
Methylcyclohexane	0.541	0.468		-13.49	50
1,1-Dichloropropene	0.492	0.465		-5.49	50
Benzene	1.542	1.548	0.5	0.39	50
1,2-Dichloroethane	0.514	0.521	0.1	1.36	50
Trichloroethene	0.355	0.350	0.3	-1.41	50
1,2-Dichloropropane	0.376	0.372		-1.06	50
Dibromomethane	0.263	0.259		-1.52	50
Bromodichloromethane	0.558	0.558	0.2	0	50
4-Methyl-2-Pentanone	0.559	0.534		-4.47	50
Toluene	1.756	1.770	0.4	0.8	50
t-1,3-Dichloropropene	0.576	0.526	0.1	-8.68	50
cis-1,3-Dichloropropene	0.604	0.571	0.2	-5.46	50
1,1,2-Trichloroethane	0.353	0.360	0.1	1.98	50
1,3-Dichloropropane	0.617	0.600		-2.76	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 19:37

Lab File ID: VN084527.D Init. Calib. Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:43 11:19

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
2-Hexanone	0.415	0.386		-6.99	50
Dibromochloromethane	0.417	0.423	0.1	1.44	50
1,2-Dibromoethane	0.364	0.350		-3.85	50
Tetrachloroethene	0.339	0.351	0.2	3.54	50
Chlorobenzene	1.093	1.081	0.5	-1.1	50
1,1,1,2-Tetrachloroethane	0.380	0.388		2.11	50
Hexachloroethane	0.286	0.274		-4.2	50
Ethyl Benzene	1.908	1.839	0.1	-3.62	50
m/p-Xylenes	0.724	0.719	0.3	-0.69	50
o-Xylene	0.698	0.686	0.3	-1.72	50
Styrene	1.198	1.171	0.3	-2.25	50
Bromoform	0.277	0.264	0.1	-4.69	50
Isopropylbenzene	1.781	1.714		-3.76	50
1,1,2,2-Tetrachloroethane	0.551	0.548	0.3	-0.54	50
1,2,3-Trichloropropane	0.472	0.515		9.11	50
Bromobenzene	0.431	0.443		2.78	50
n-propylbenzene	2.123	2.063		-2.83	50
2-Chlorotoluene	1.319	1.315		-0.3	50
1,3,5-Trimethylbenzene	1.500	1.512		0.8	50
4-Chlorotoluene	1.341	1.316		-1.86	50
tert-butylbenzene	1.279	1.238		-3.21	50
1,2,4-Trimethylbenzene	1.522	1.492		-1.97	50
sec-Butylbenzene	1.762	1.731		-1.76	50
p-Isopropyltoluene	1.483	1.413		-4.72	50
1,3-Dichlorobenzene	0.802	0.799	0.2	-0.37	50
1,4-Dichlorobenzene	0.796	0.779	0.2	-2.14	50
n-Butylbenzene	1.284	1.164		-9.35	50
1,2-Dichlorobenzene	0.775	0.752	0.2	-2.97	50
1,2-Dibromo-3-Chloropropane	0.113	0.101		-10.62	50
1,2,4-Trichlorobenzene	0.403	0.374	0.2	-7.2	50
Hexachlorobutadiene	0.187	0.166		-11.23	50
Naphthalene	1.366	1.139		-16.62	50
1,2,3-Trichlorobenzene	0.403	0.374		-7.2	50
1,2-Dichloroethane-d4	2.415	2.425	0.01	0.41	50
Toluene-d8	1.390	1.397	0.01	0.5	50
4-Bromofluorobenzene	0.495	0.489	0.2	-1.21	50
Methyl Iodide	2.455	2.276		-7.29	50
Methyl methacrylate	0.409	0.376		-8.07	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\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	31538	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	170706	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	157076	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.576	65	76475	30.119	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.400%				
60) 4-Bromofluorobenzene	12.847	95	76884	29.657	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%				
63) Toluene-d8	10.565	98	219459	30.159	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.533%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	35627	18.502	ug/l		99
3) Chloromethane	2.365	50	41153	18.781	ug/l		96
4) Vinyl Chloride	2.518	62	40740	18.959	ug/l		90
5) Bromomethane	2.965	94	26275	18.456	ug/l		97
6) Chloroethane	3.124	64	25843	18.345	ug/l		94
7) Trichlorofluoromethane	3.494	101	67439	19.267	ug/l		97
8) Diethyl Ether	3.959	74	23726	18.437	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.377	101	39547	20.095	ug/l		95
10) 1,1-Dichloroethene	4.347	96	36837	18.759	ug/l		83
11) Methyl Iodide	4.589	142	47859	18.546	ug/l		97
12) Methyl Acetate	5.030	43	51144	20.804	ug/l		97
13) Acrolein	4.183	56	44613	97.690	ug/l		98
14) Acrylonitrile	5.718	53	99485	90.074	ug/l		98
15) Acetone	4.436	58	27159	86.081	ug/l		95
16) Carbon Disulfide	4.712	76	101156	17.299	ug/l		99
17) Allyl chloride	5.024	41	55823	17.536	ug/l		90
18) Methylene Chloride	5.283	84	44030	19.904	ug/l		93
19) trans-1,2-Dichloroethene	5.788	96	38914	18.724	ug/l		86
20) Diisopropyl ether	6.671	45	135783	19.839	ug/l	#	98
21) 1,1-Dichloroethane	6.565	63	77671	19.778	ug/l		96
22) cis-1,2-Dichloroethene	7.482	96	46891	19.389	ug/l		97
23) tert-Butyl Alcohol	5.524	59	36129	85.280	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	124567	18.982	ug/l	#	83
25) Chloroform	7.965	83	80552	20.252	ug/l		98
26) Cyclohexane	8.259	56	59475	18.107	ug/l	#	97
29) 1,1-Dichloropropene	8.377	75	52926	18.887	ug/l		99
30) 2-Butanone	7.482	43	134140	89.907	ug/l		100
31) 2,2-Dichloropropane	7.494	77	50993	15.485	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	71015	19.826	ug/l		98
33) Carbon Tetrachloride	8.359	117	61198	19.721	ug/l		95
34) Benzene	8.606	78	176120	20.078	ug/l		99
35) Methacrylonitrile	7.777	41	28193	17.713	ug/l		97
36) 1,2-Dichloroethane	8.671	62	59295	20.279	ug/l		98
37) Trichloroethene	9.347	130	39851	19.729	ug/l		94
38) Methylcyclohexane	9.600	83	53218	17.289	ug/l		98
39) 1,2-Dichloropropane	9.623	63	42306	19.777	ug/l		100
40) Dibromomethane	9.712	93	29439	19.691	ug/l		99
41) Bromodichloromethane	9.888	83	63470	19.998	ug/l		92
42) Vinyl Acetate	6.606	43	454035	87.500	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	50798	17.263 ug/l	95
44) Isopropyl Acetate	8.688	43	92788	19.266 ug/l	97
45) 1,4-Dioxane	9.694	88	16021	369.015 ug/l #	87
46) Methyl methacrylate	9.682	41	42804	18.395 ug/l	96
47) n-amyl Acetate	12.494	43	78426	18.307 ug/l	97
48) t-1,3-Dichloropropene	10.835	75	59808	18.236 ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	65006	18.913 ug/l #	95
50) 1,1,2-Trichloroethane	11.018	97	40992	20.399 ug/l	97
51) Ethyl methacrylate	10.870	69	62124	18.717 ug/l	98
52) 1,3-Dichloropropane	11.165	76	68327	19.446 ug/l	99
53) Dibromochloromethane	11.359	129	48126	20.274 ug/l	99
54) 1,2-Dibromoethane	11.470	107	39841	19.261 ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	145723	96.799 ug/l	98
56) Bromoform	12.582	173	30049	19.086 ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	279735	95.601 ug/l	99
59) 2-Hexanone	11.194	43	202052	92.927 ug/l	99
61) Tetrachloroethene	11.100	164	36713	20.663 ug/l	97
62) Toluene	10.629	91	185332	20.155 ug/l	100
64) Chlorobenzene	11.888	112	113160	19.775 ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	40642	20.444 ug/l	99
66) Ethyl Benzene	11.965	91	192535	19.272 ug/l	99
67) m/p-Xylenes	12.070	106	150556	39.725 ug/l	99
68) o-Xylene	12.400	106	71820	19.660 ug/l	97
69) Styrene	12.412	104	122646	19.558 ug/l	99
70) Isopropylbenzene	12.694	105	179492	19.247 ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	57333	19.873 ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	53881m	21.807 ug/l	
73) Bromobenzene	12.976	156	46430	20.557 ug/l	94
74) n-propylbenzene	13.035	91	216025	19.439 ug/l	99
75) 2-Chlorotoluene	13.123	91	137724	19.943 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	158334	20.164 ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	17050	16.149 ug/l	95
78) 4-Chlorotoluene	13.217	91	137774	19.623 ug/l	99
79) tert-butylbenzene	13.435	119	129645	19.353 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	156217	19.607 ug/l	100
81) sec-Butylbenzene	13.617	105	181249	19.652 ug/l	100
82) p-Isopropyltoluene	13.729	119	147935	19.057 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	83699	19.930 ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	81543	19.554 ug/l	98
85) n-Butylbenzene	14.053	91	121924	18.134 ug/l	99
86) Hexachloroethane	14.335	117	28649	19.155 ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	78746	19.394 ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10575	17.925 ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	39188	18.563 ug/l	98
90) Hexachlorobutadiene	15.500	225	17360	17.775 ug/l	98
91) Naphthalene	15.635	128	119261	16.671 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	39188	18.563 ug/l	98

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

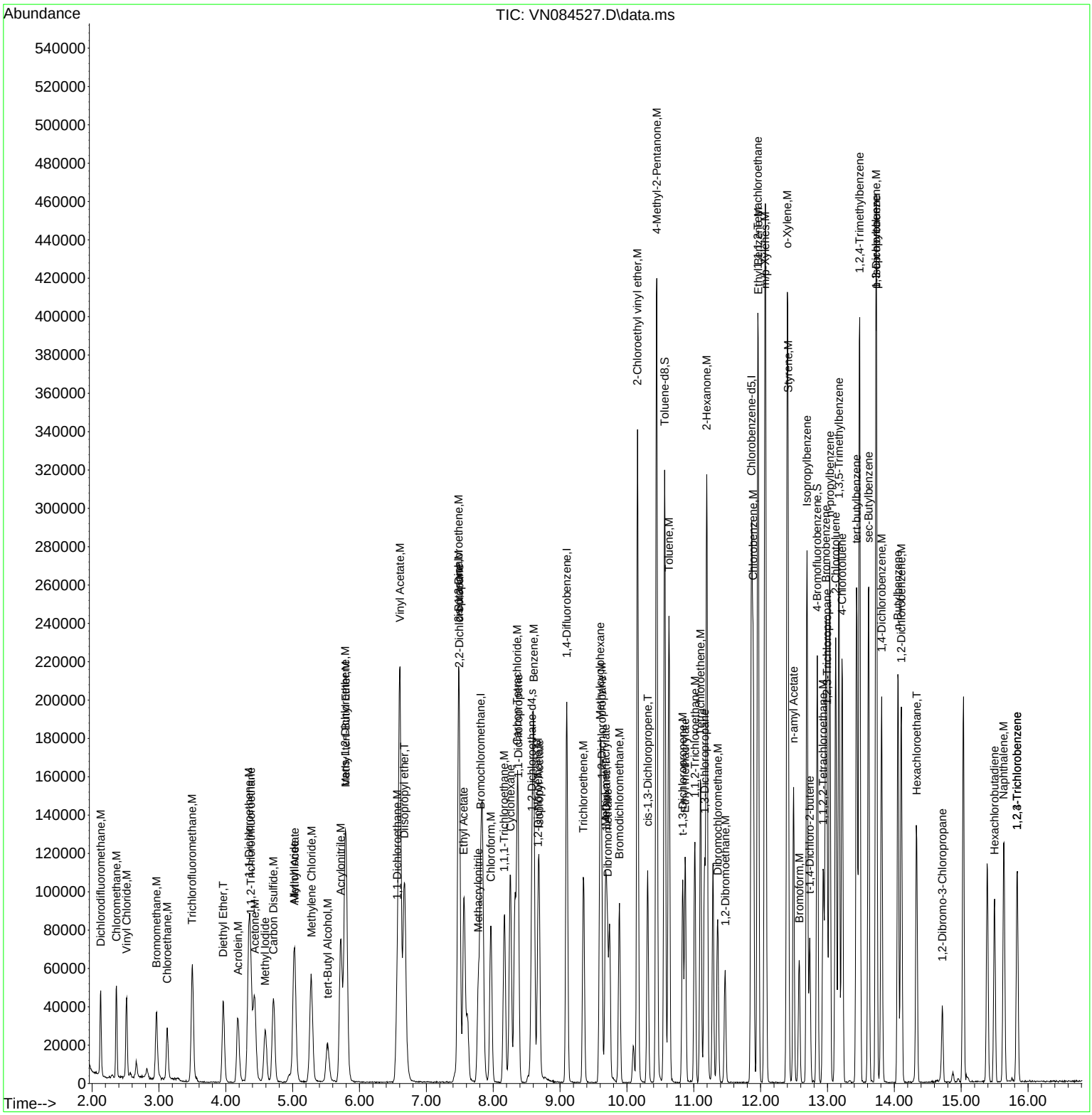
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

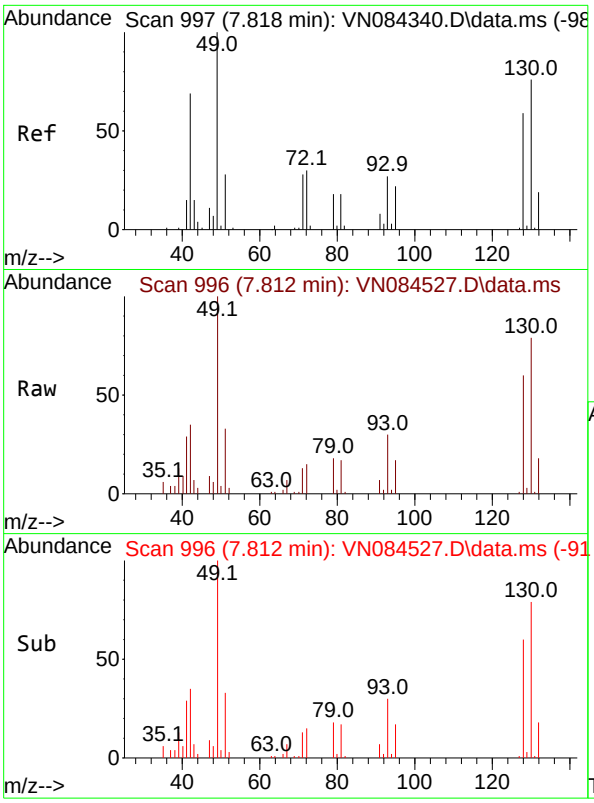
Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

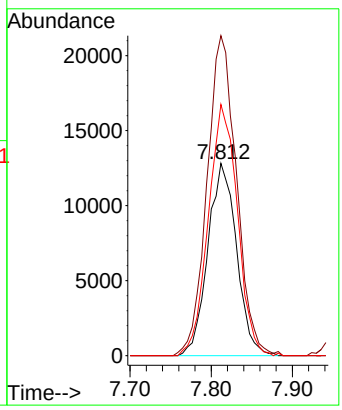




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:128 Resp: 3153

Ion	Ratio	Lower	Upper
128	100		
49	170.3	0.0	430.0
130	132.4	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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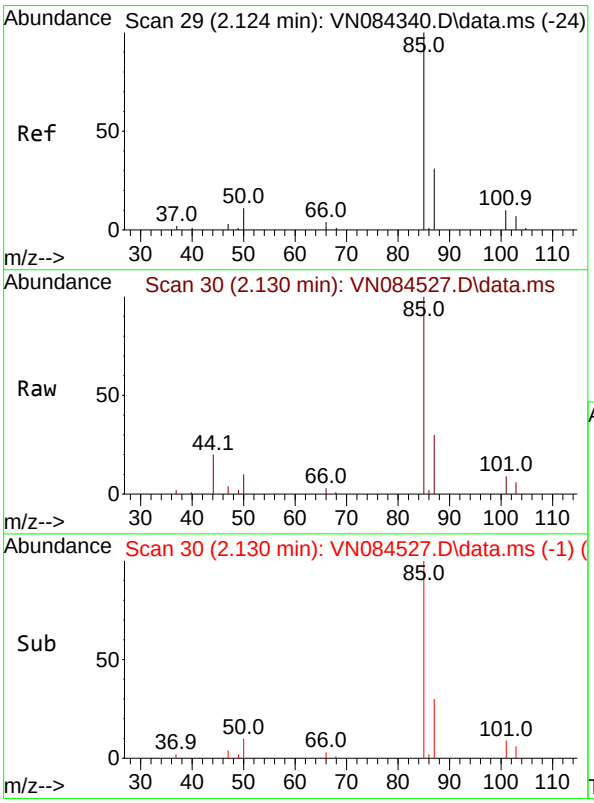
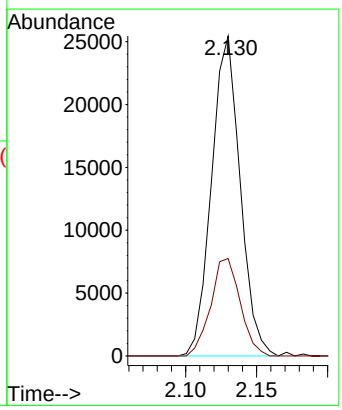
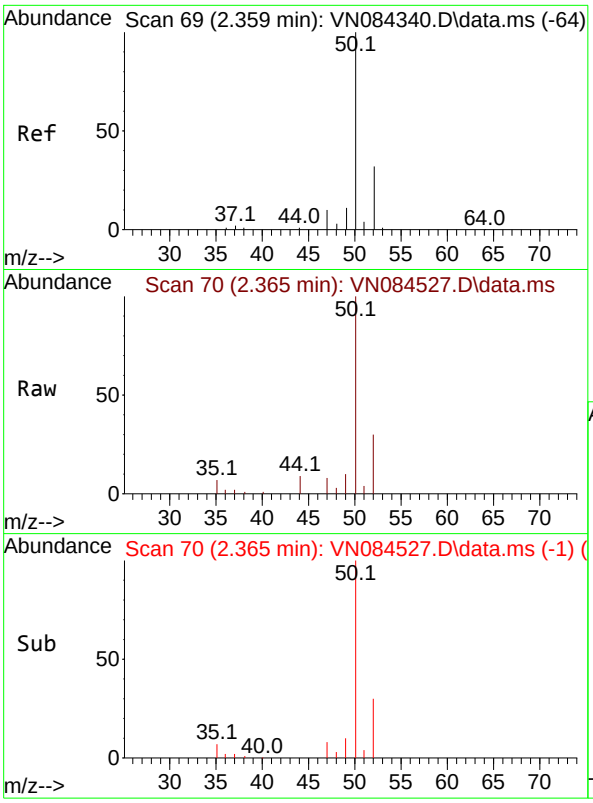


#2
Dichlorodifluoromethane
Concen: 18.502 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 85 Resp: 35627

Ion	Ratio	Lower	Upper
85	100		
87	30.4	15.4	46.4

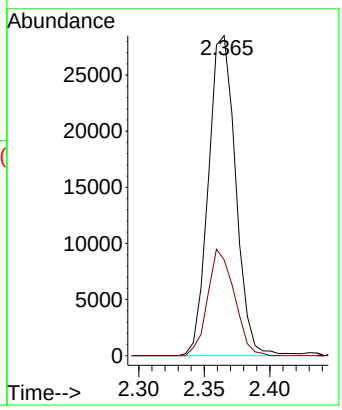




#3
Chloromethane
Concen: 18.781 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 50 Resp: 4115

Ion	Ratio	Lower	Upper
50	100		
52	30.0	25.8	38.6



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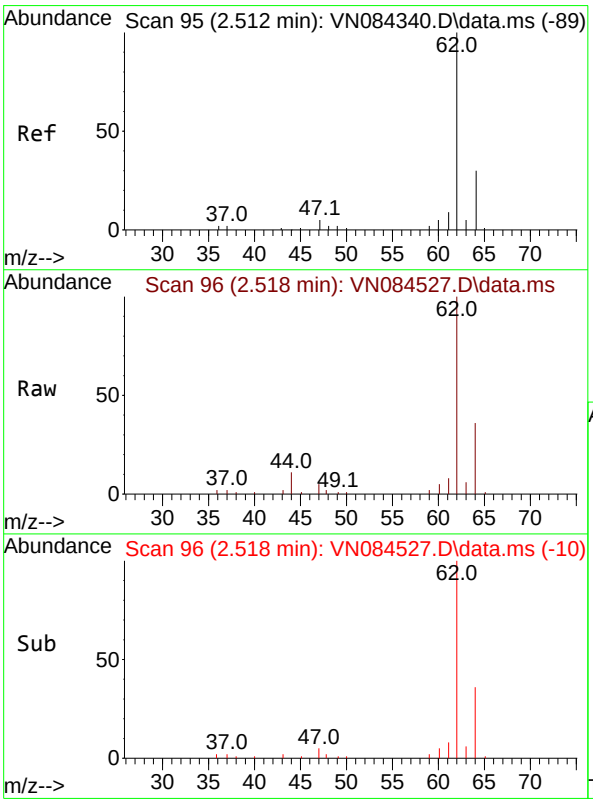
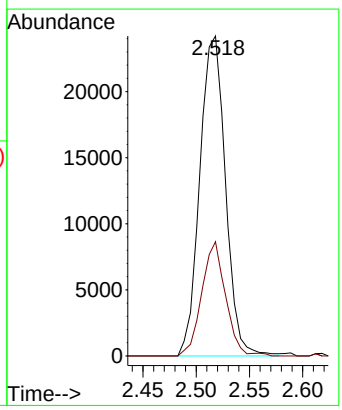
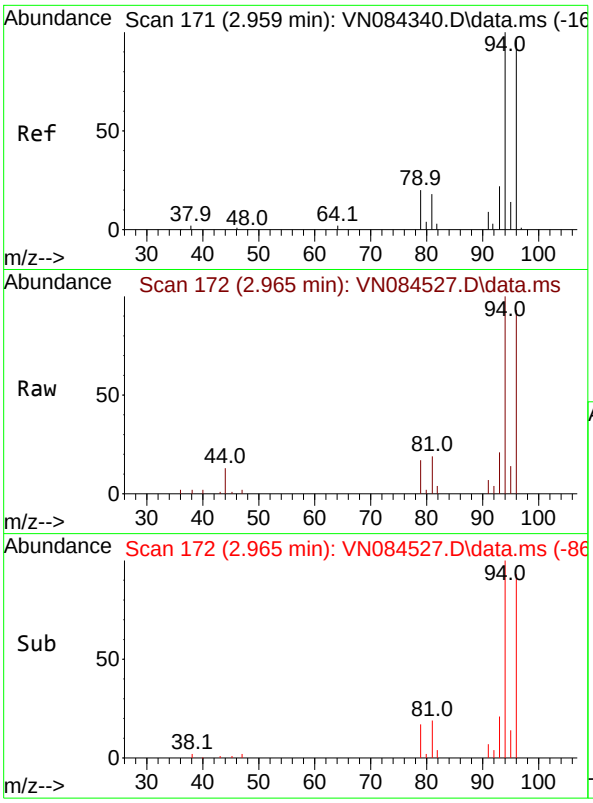


#4
Vinyl Chloride
Concen: 18.959 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 62 Resp: 40740

Ion	Ratio	Lower	Upper
62	100		
64	35.7	24.3	36.5

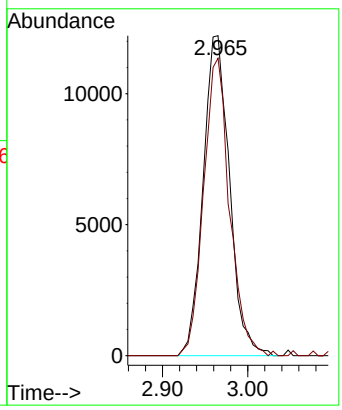




#5
Bromomethane
Concen: 18.456 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 94 Resp: 2627

Ion	Ratio	Lower	Upper
94	100		
96	92.9	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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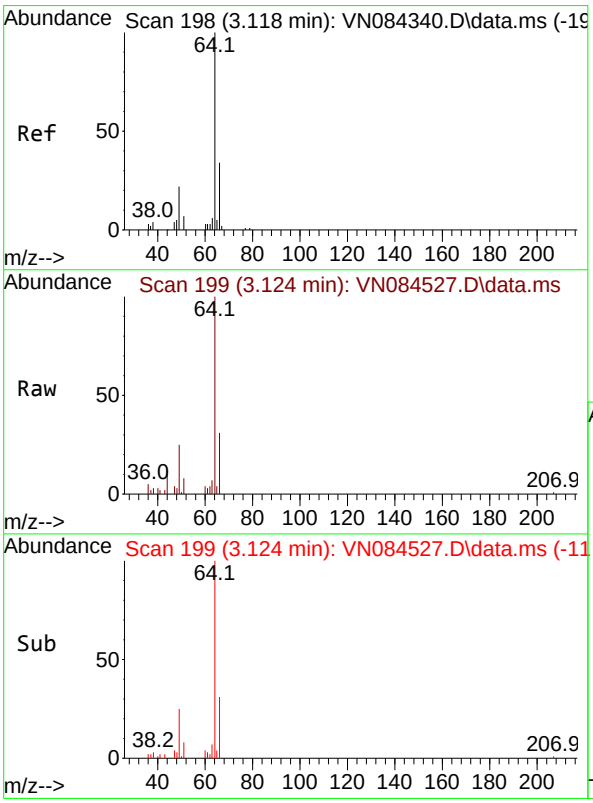
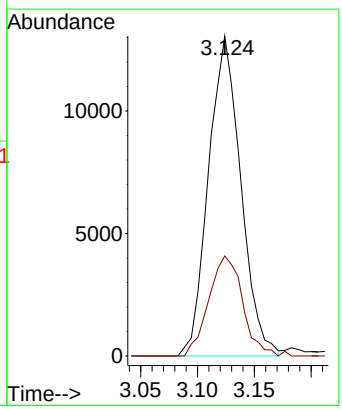
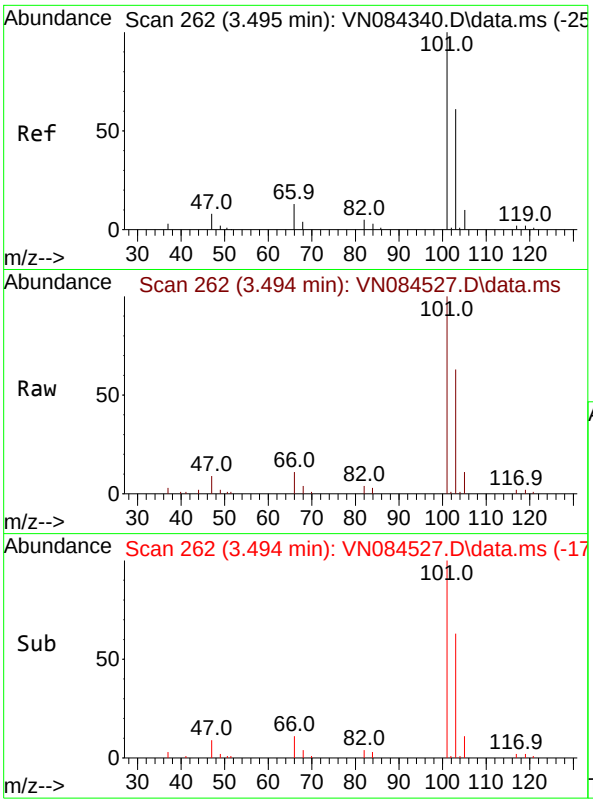


#6
Chloroethane
Concen: 18.345 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 64 Resp: 25843

Ion	Ratio	Lower	Upper
64	100		
66	31.3	27.7	41.5





#7
Trichlorofluoromethane
Concen: 19.267 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:101 Resp: 6743

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.0	73.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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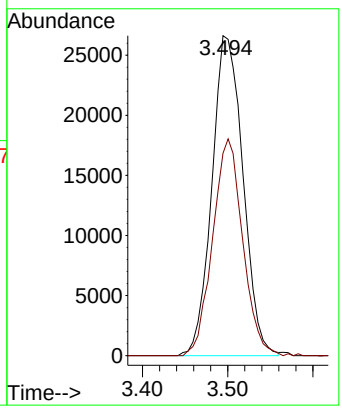
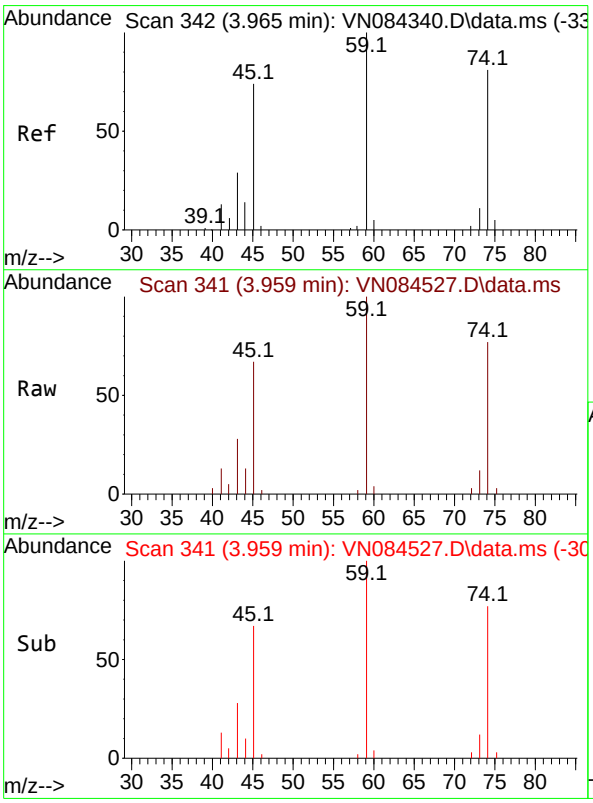
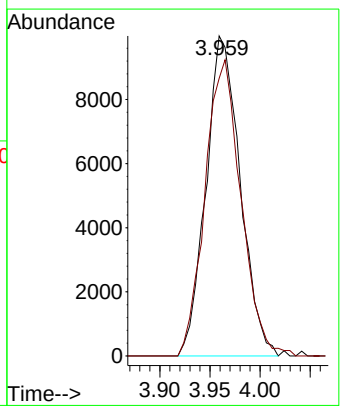


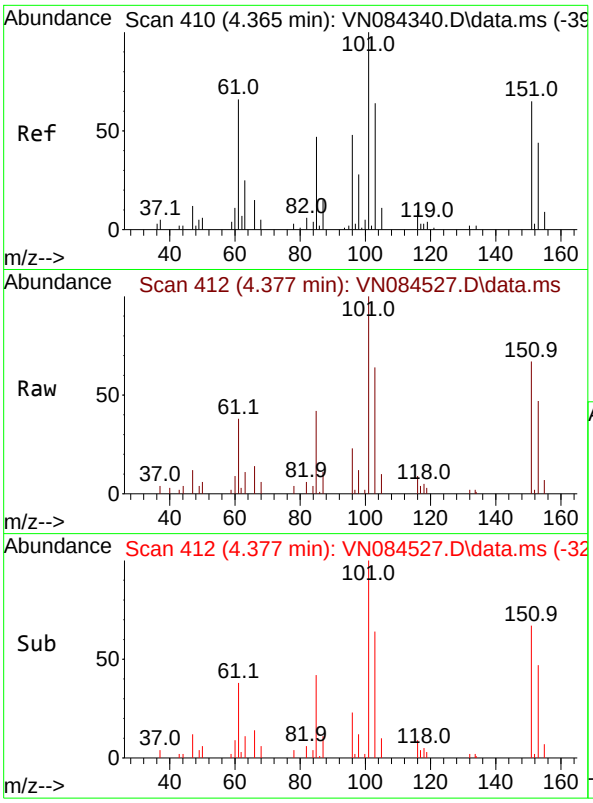


#8
Diethyl Ether
Concen: 18.437 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 74 Resp: 23726

Ion	Ratio	Lower	Upper
74	100		
45	97.0	19.2	173.2

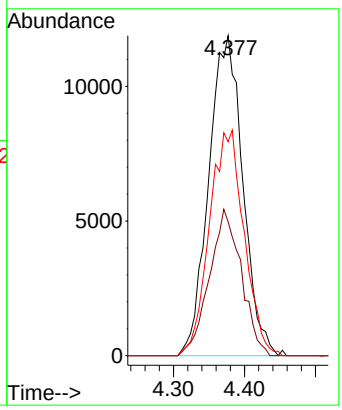




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.095 ug/l
RT: 4.377 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:101 Resp: 3954

Ion	Ratio	Lower	Upper
101	100		
85	42.9	0.0	93.6
151	71.8	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
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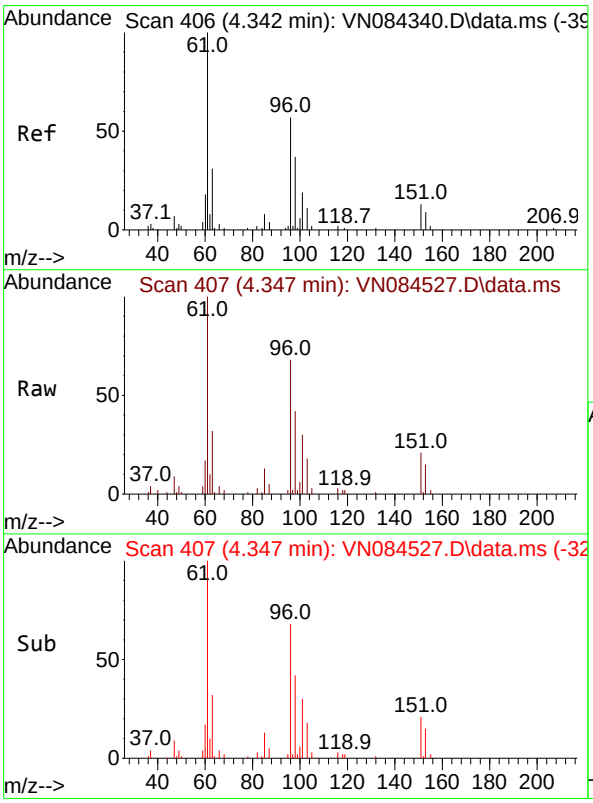
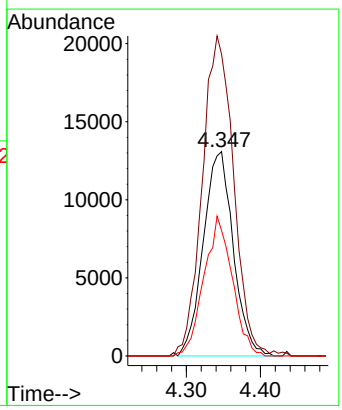
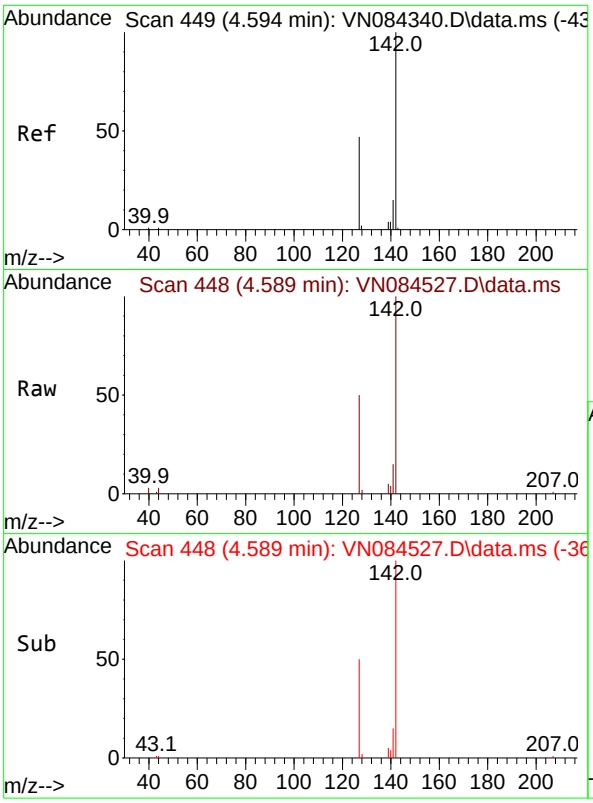


#10
1,1-Dichloroethene
Concen: 18.759 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 96 Resp: 36837

Ion	Ratio	Lower	Upper
96	100		
61	146.4	140.8	211.2
98	61.4	52.2	78.2

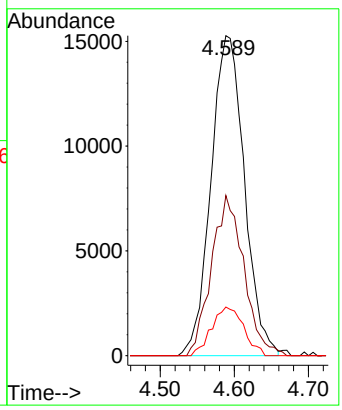




#11
Methyl Iodide
Concen: 18.546 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:142 Resp: 4785

Ion	Ratio	Lower	Upper
142	100		
127	49.6	23.8	71.4
141	15.3	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
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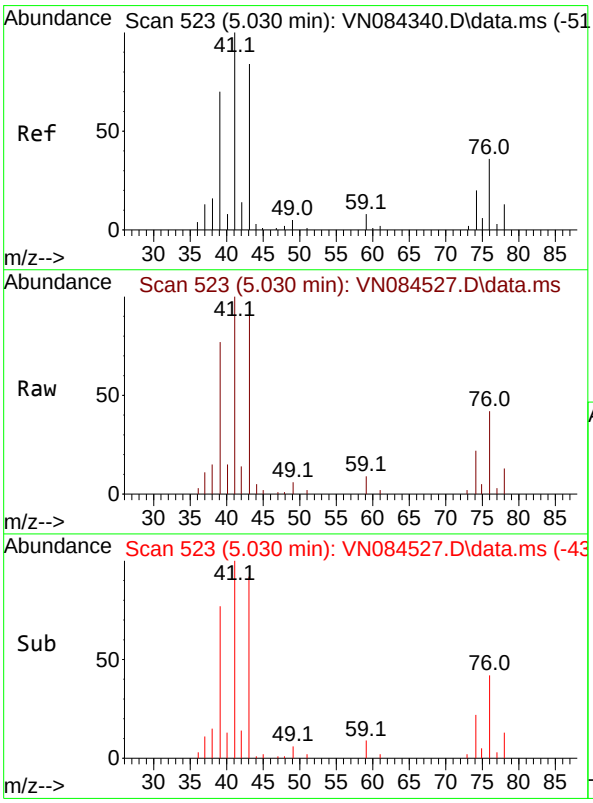
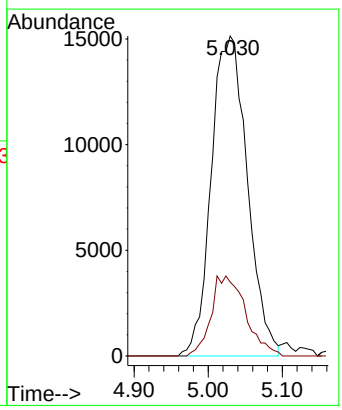
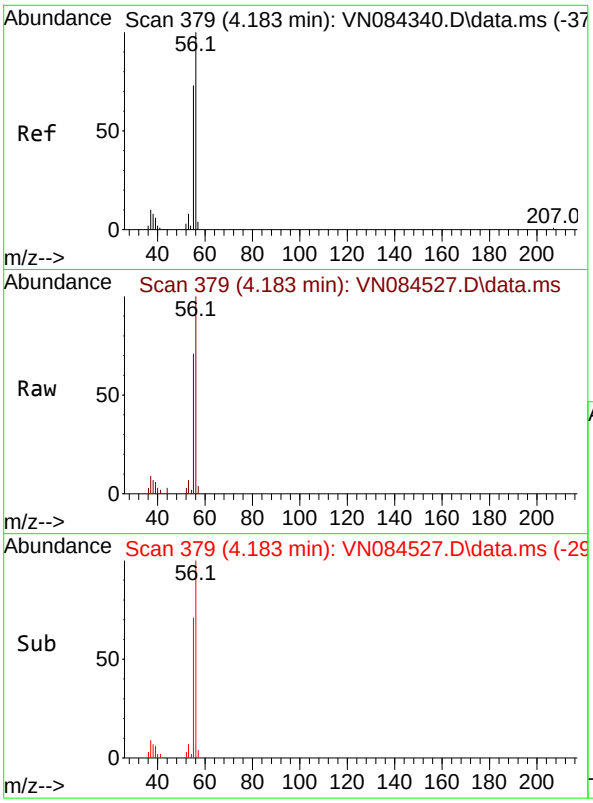


#12
Methyl Acetate
Concen: 20.804 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 51144

Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2

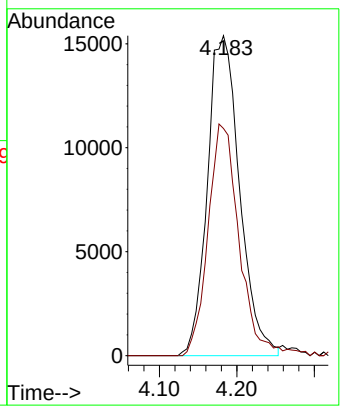




#13
Acrolein
Concen: 97.690 ug/l
RT: 4.183 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 56 Resp: 4461

Ion	Ratio	Lower	Upper
56	100		
55	69.0	56.4	84.6



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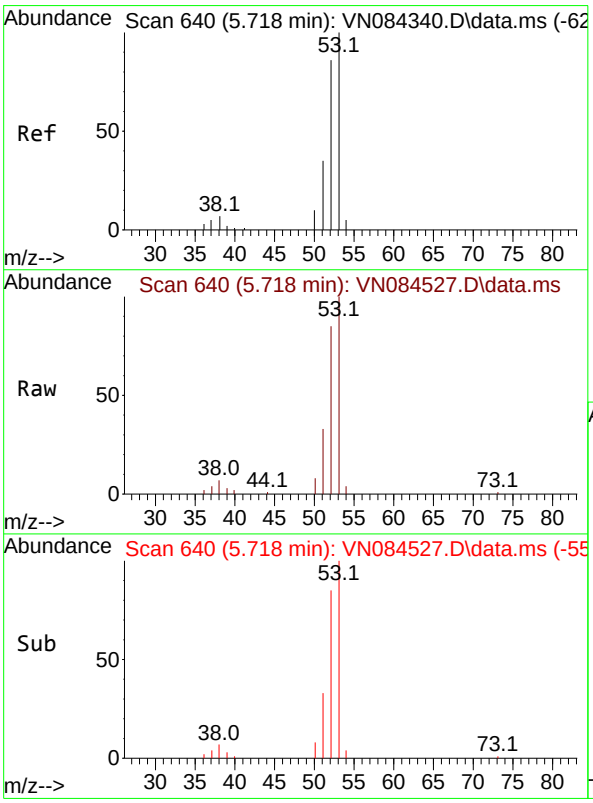
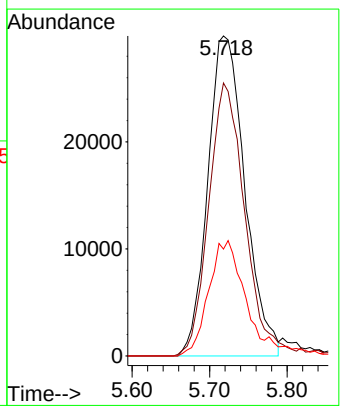
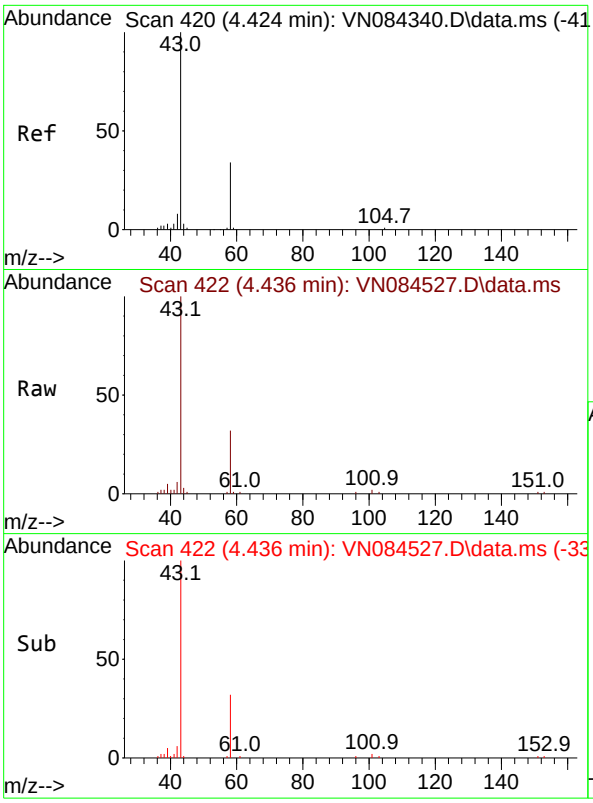


#14
Acrylonitrile
Concen: 90.074 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 53 Resp: 99485

Ion	Ratio	Lower	Upper
53	100		
52	82.7	40.4	121.2
51	33.9	17.8	53.4





#15
Acetone
Concen: 86.081 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 58 Resp: 2715

Ion	Ratio	Lower	Upper
58	100		
43	307.0	237.5	356.3

Instrument :
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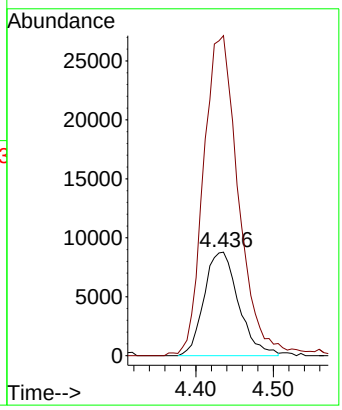
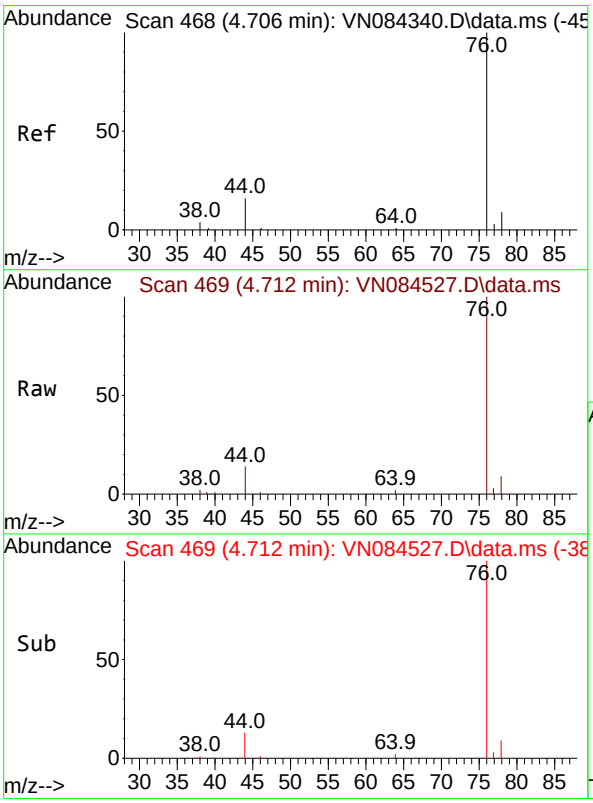
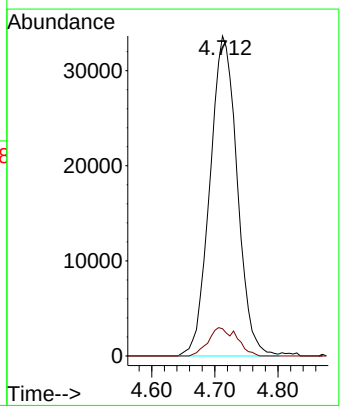


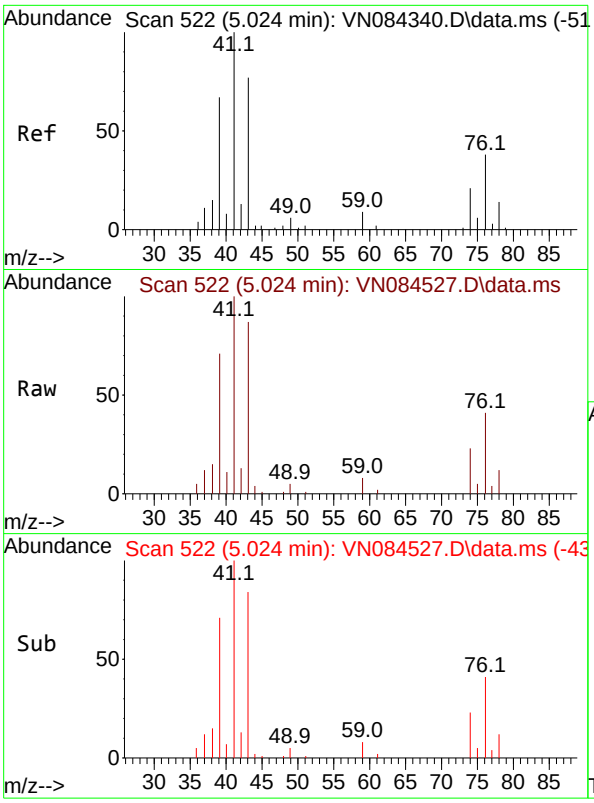


#16
Carbon Disulfide
Concen: 17.299 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 76 Resp: 101156

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

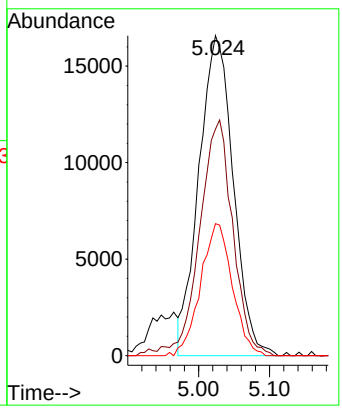




#17
Allyl chloride
Concen: 17.536 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 41 Resp: 5582

Ion	Ratio	Lower	Upper
41	100		
39	70.8	31.4	94.3
76	41.3	17.8	53.5



Instrument :
MSVOA_N
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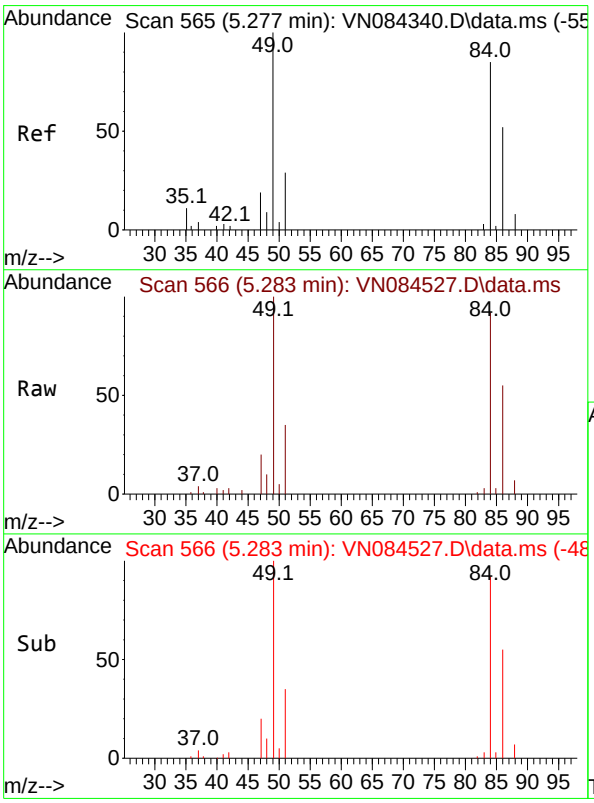
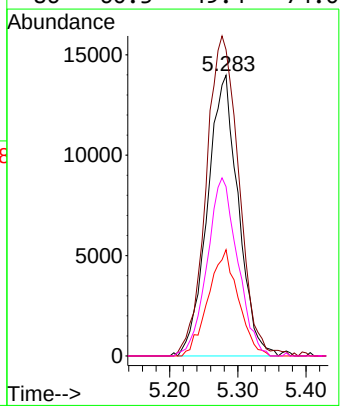
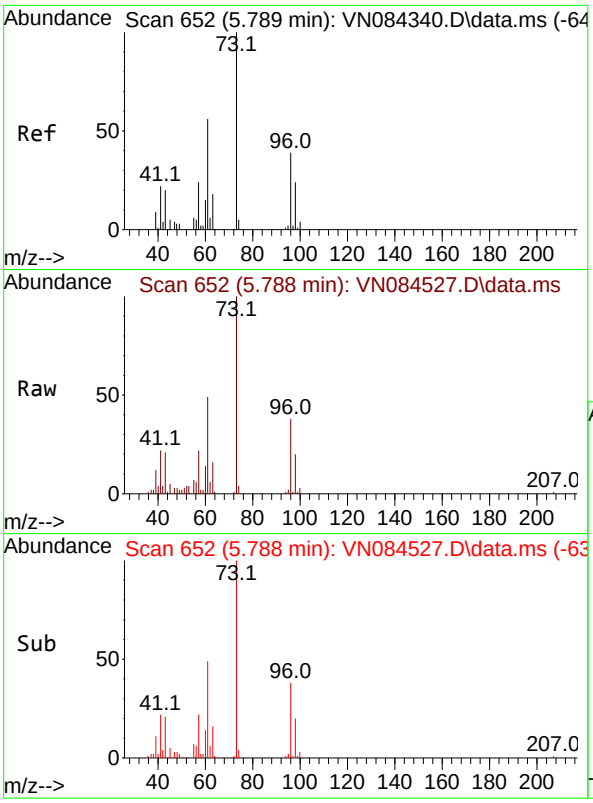


#18
Methylene Chloride
Concen: 19.904 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 84 Resp: 44030

Ion	Ratio	Lower	Upper
84	100		
49	107.7	94.6	142.0
51	37.9	27.3	40.9
86	60.3	49.4	74.0

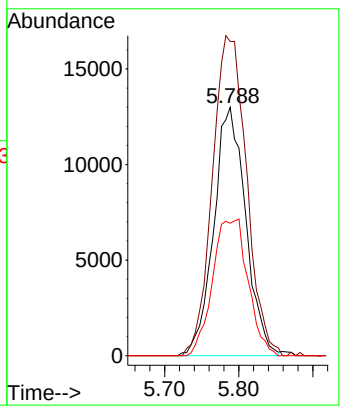




#19
trans-1,2-Dichloroethene
Concen: 18.724 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 96 Resp: 3891

Ion	Ratio	Lower	Upper
96	100		
61	126.5	115.8	173.6
98	53.3	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
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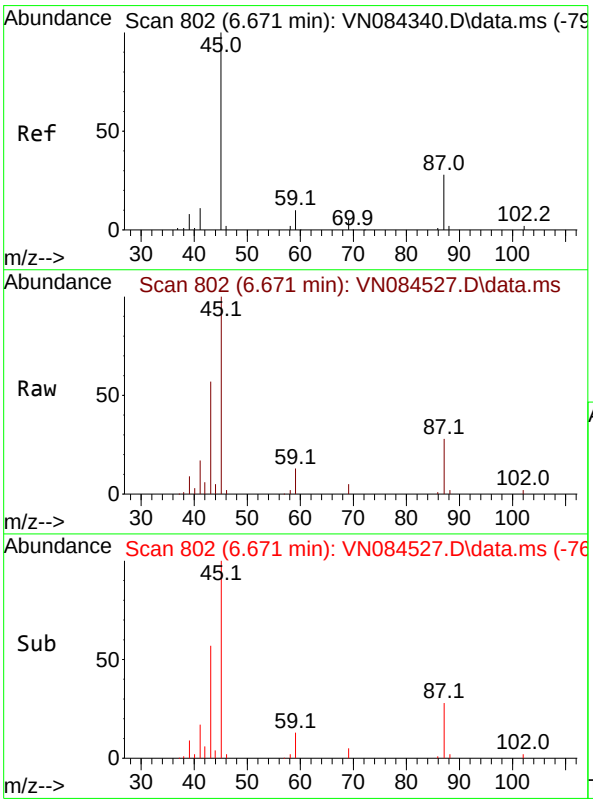
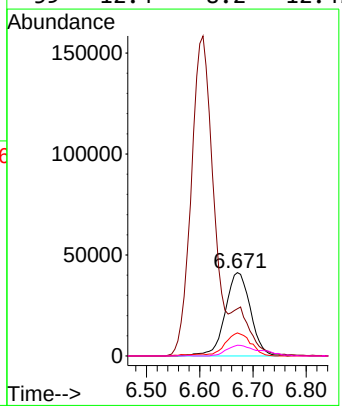
Supervised By :Mahesh Dadoda 10/28/2024

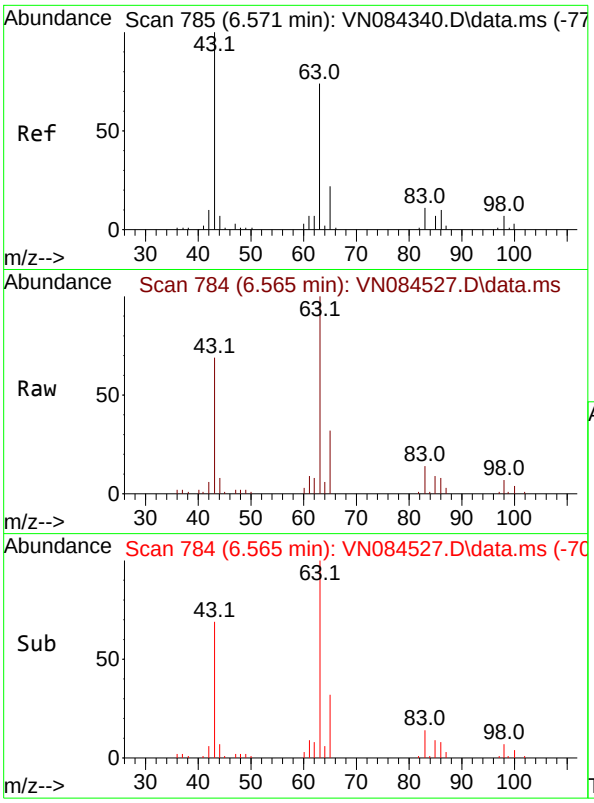


#20
Diisopropyl ether
Concen: 19.839 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 45 Resp: 135783

Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.7	65.5
87	27.6	23.1	34.7
59	12.4	8.2	12.4#

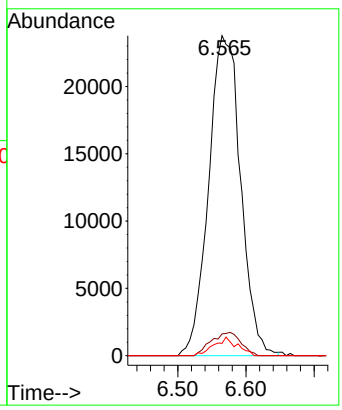




#21
1,1-Dichloroethane
Concen: 19.778 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 63 Resp: 7767

Ion	Ratio	Lower	Upper
63	100		
98	6.8	4.5	13.4
100	3.8	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
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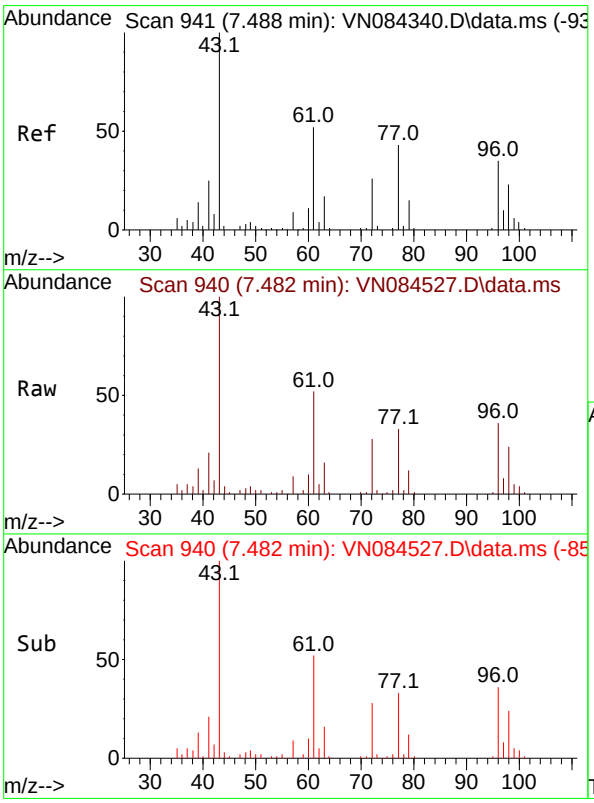
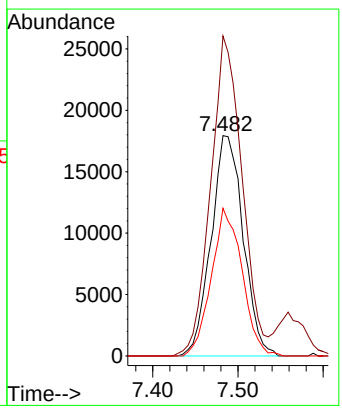
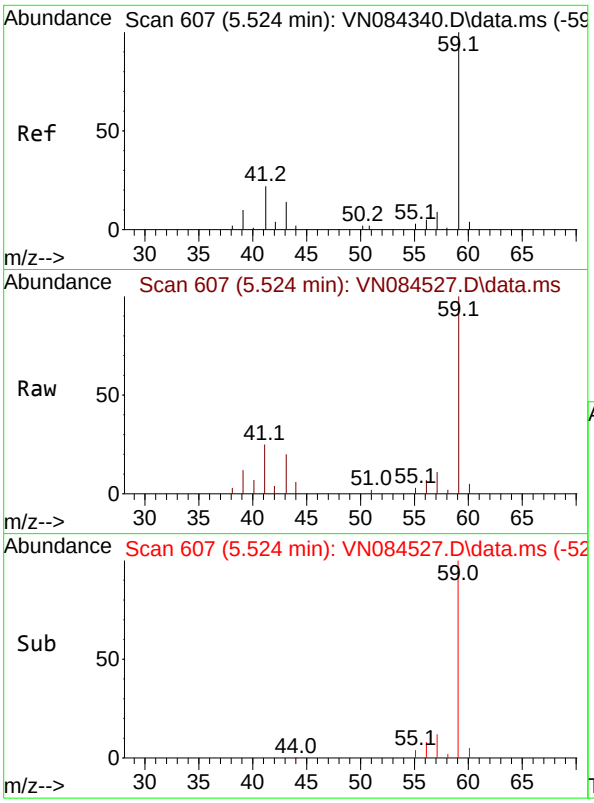


#22
cis-1,2-Dichloroethene
Concen: 19.389 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 96 Resp: 46891

Ion	Ratio	Lower	Upper
96	100		
61	142.5	118.0	177.0
98	63.9	51.8	77.8





#23
tert-Butyl Alcohol
Concen: 85.280 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 59 Resp: 3612

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Instrument :
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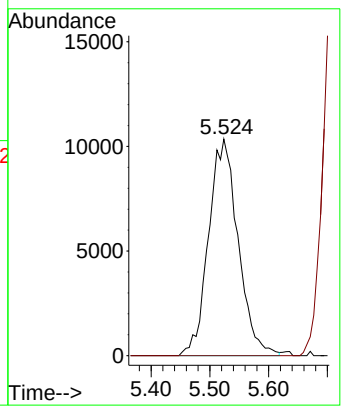
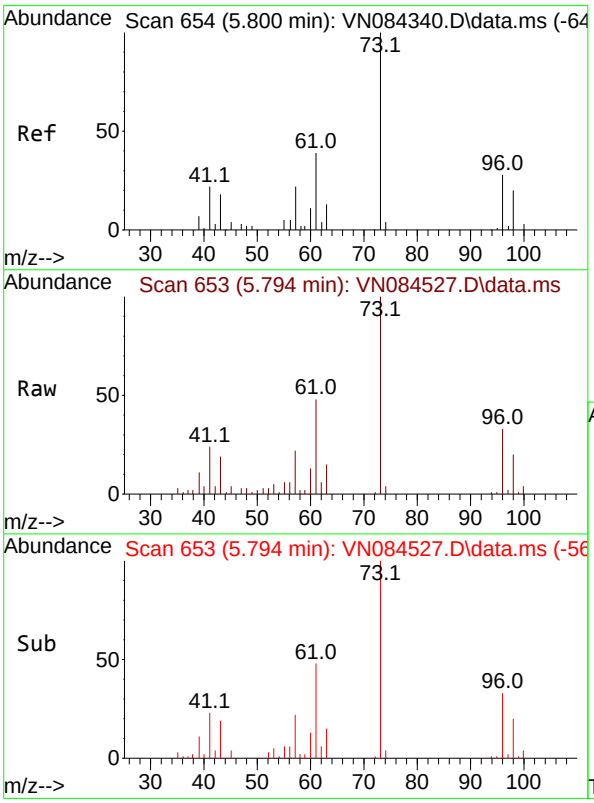
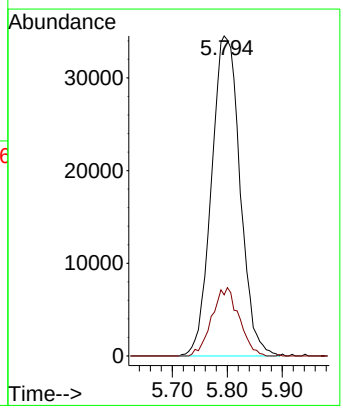


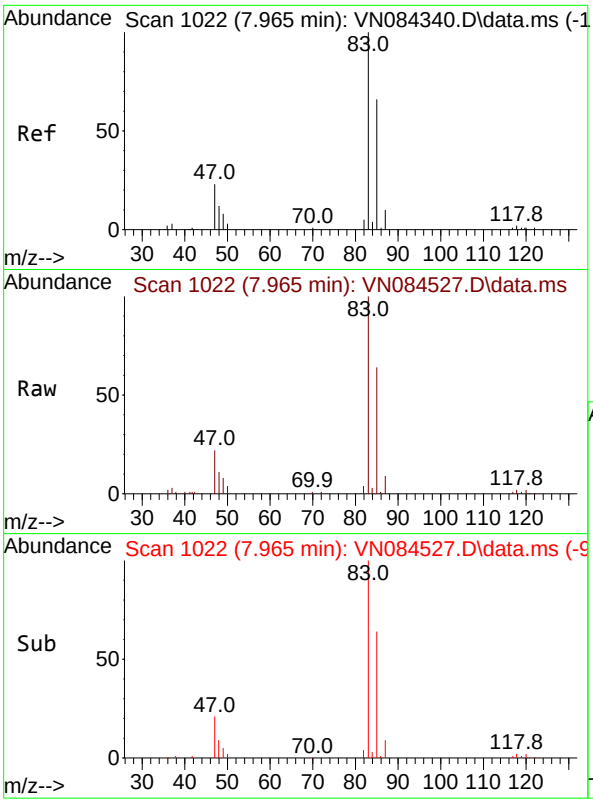


#24
Methyl tert-Butyl Ether
Concen: 18.982 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 73 Resp: 124567

Ion	Ratio	Lower	Upper
73	100		
43	20.4	10.9	16.3#





#25
Chloroform
Concen: 20.252 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 83 Resp: 8055

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6

Instrument :
MSVOA_N
ClientSampleId :
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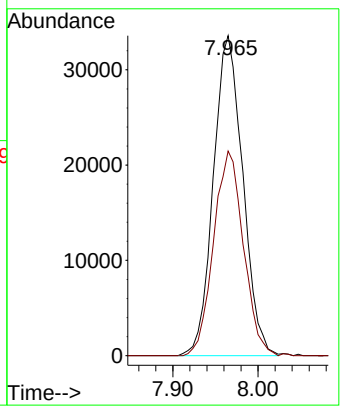
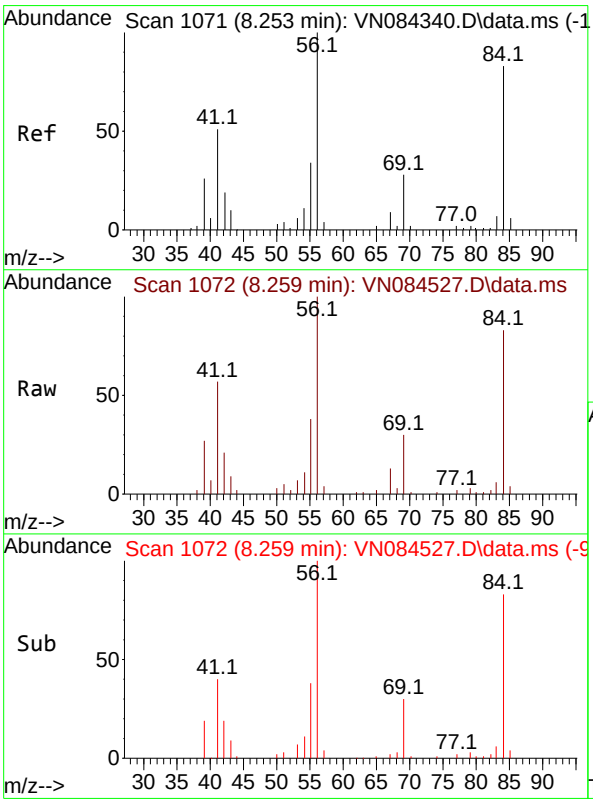
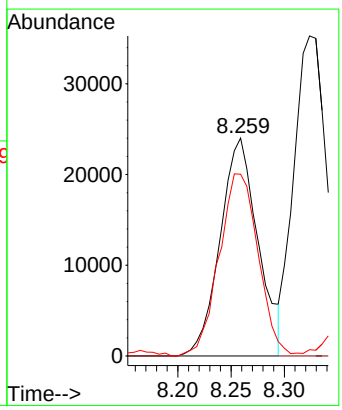


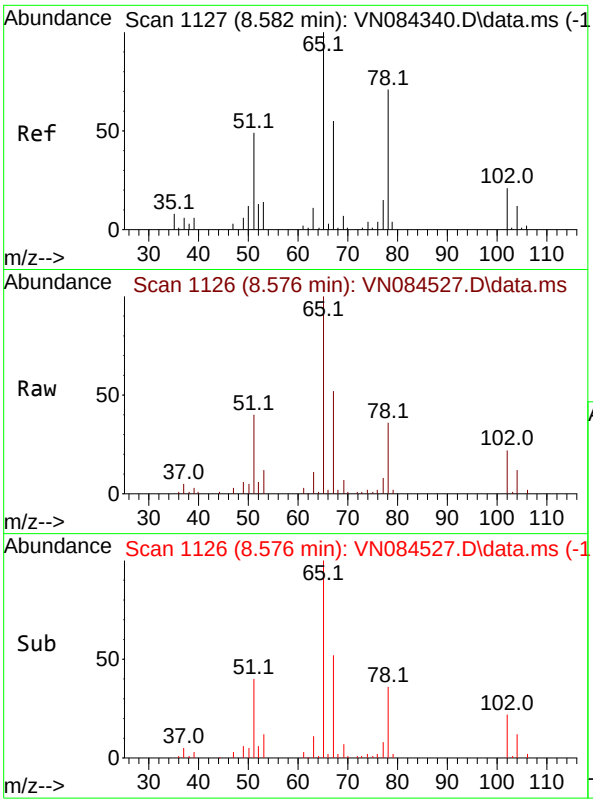


#26
Cyclohexane
Concen: 18.107 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 56 Resp: 59475

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	86.1	67.0	100.6

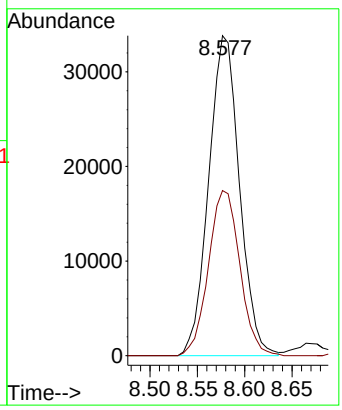




#27
1,2-Dichloroethane-d4
Concen: 30.119 ug/l
RT: 8.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 65 Resp: 7647

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3



Instrument :
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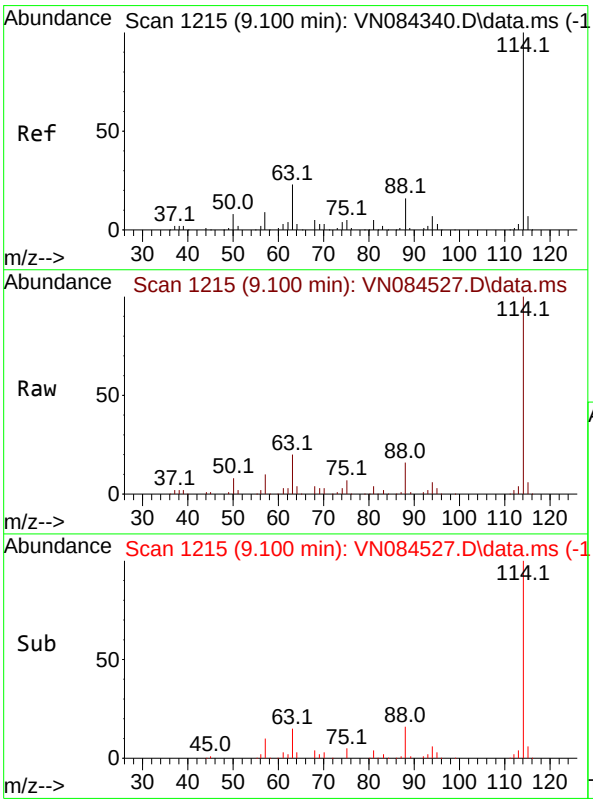
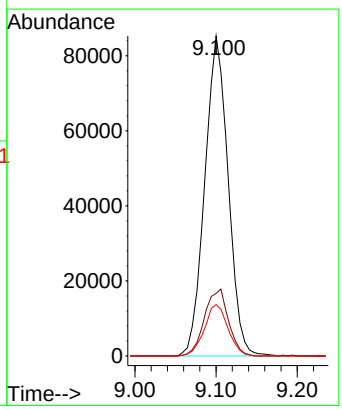
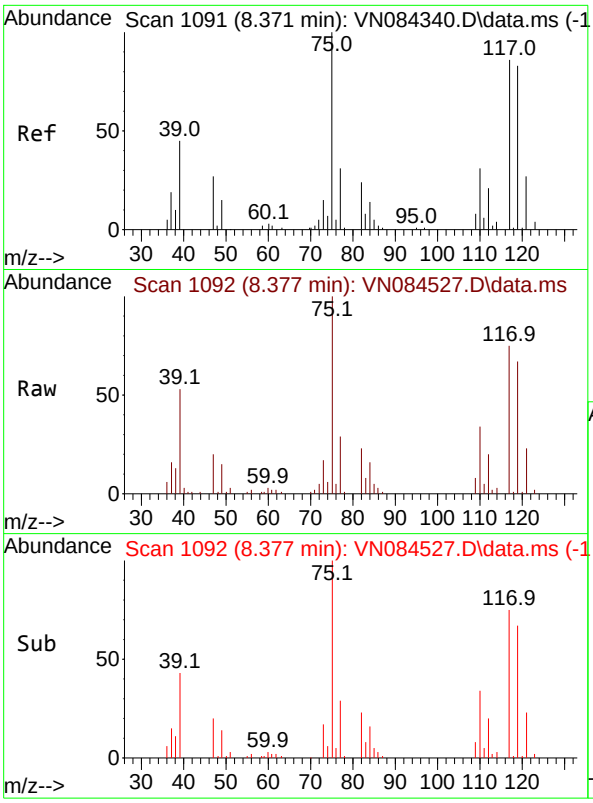


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:114 Resp: 170706

Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.4	26.0
88	16.2	13.2	19.8

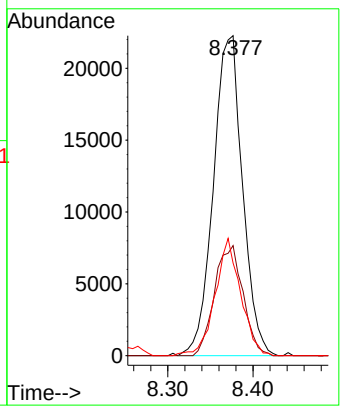




#29
1,1-Dichloropropene
Concen: 18.887 ug/l
RT: 8.377 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 5292

Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	67.6
77	32.2	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
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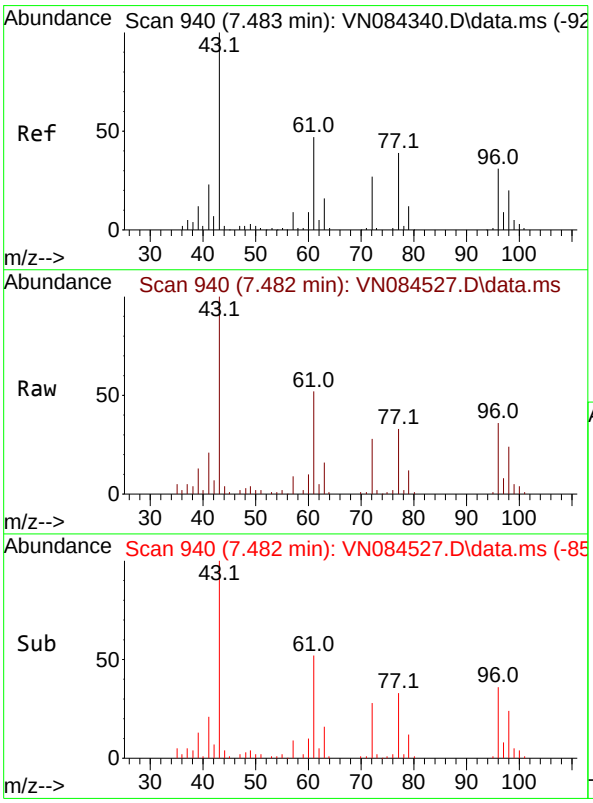
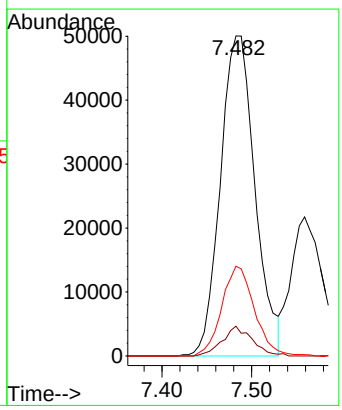
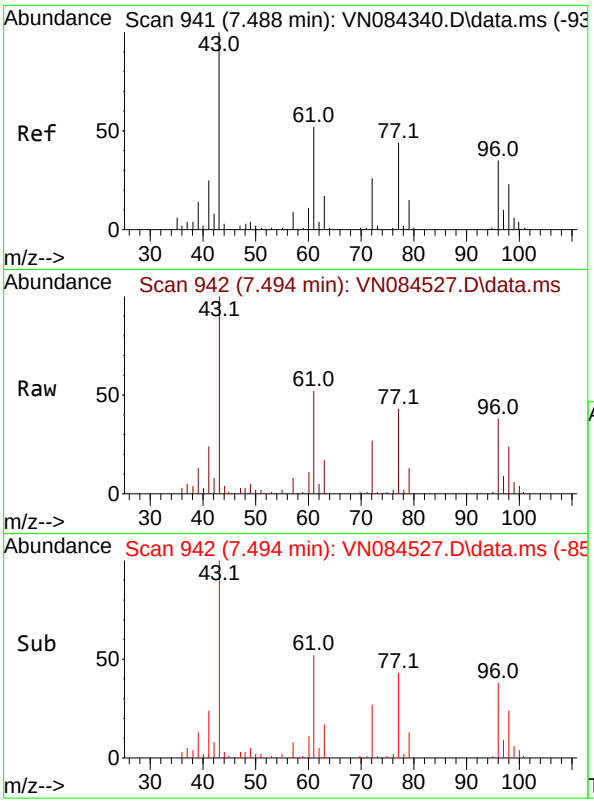


#30
2-Butanone
Concen: 89.907 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 134140

Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.6	9.8
72	26.5	21.3	31.9





#31
2,2-Dichloropropane
Concen: 15.485 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 77 Resp: 5099

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.5	17.3#

Instrument :
MSVOA_N
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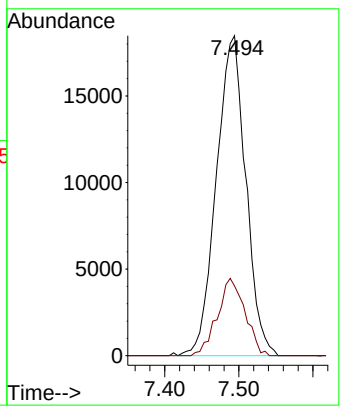
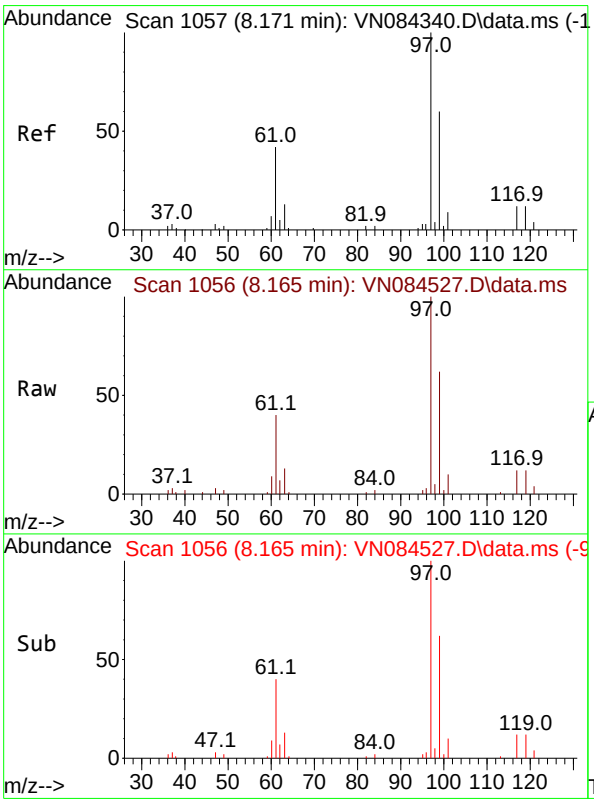
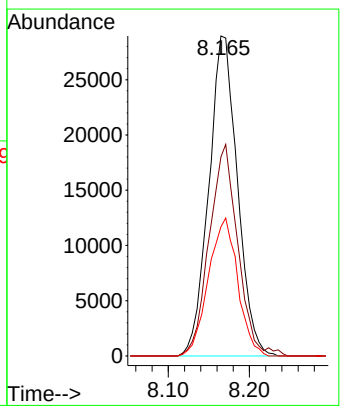


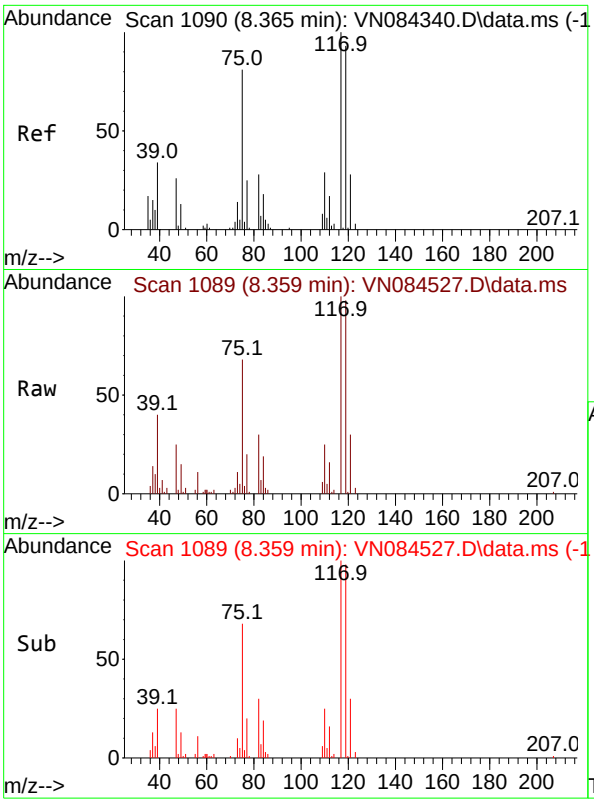


#32
1,1,1-Trichloroethane
Concen: 19.826 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 97 Resp: 71015

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	44.1	34.1	51.1

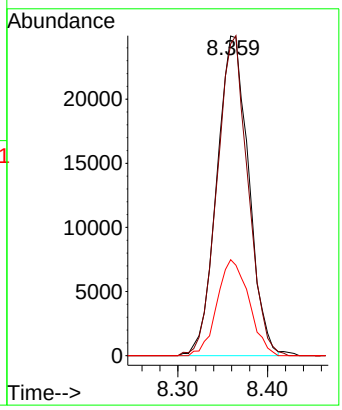




#33
Carbon Tetrachloride
Concen: 19.721 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:117 Resp: 6119

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.3	111.5
121	30.0	22.4	33.6



Instrument :
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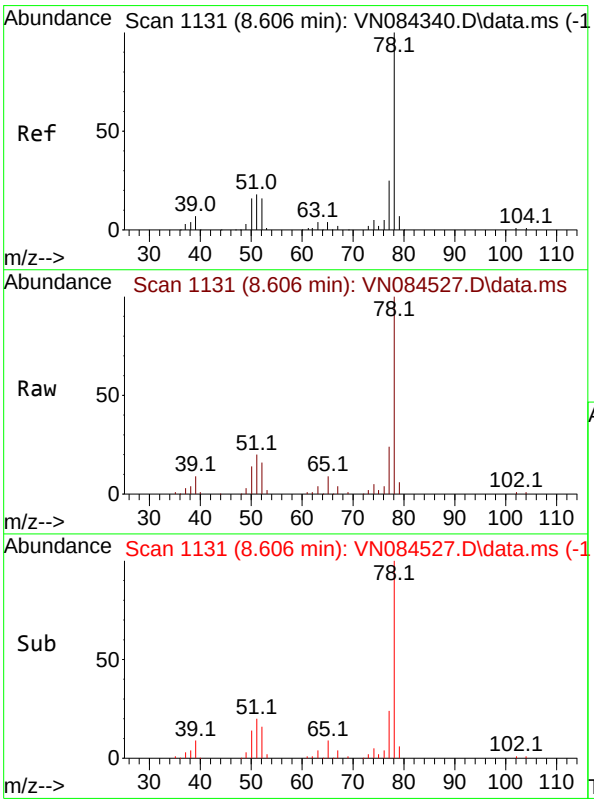
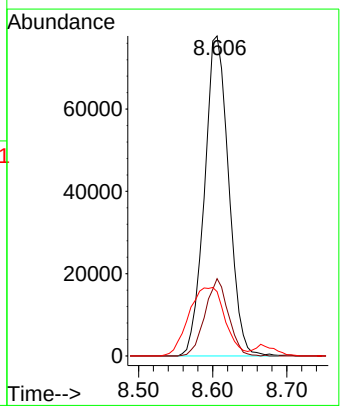
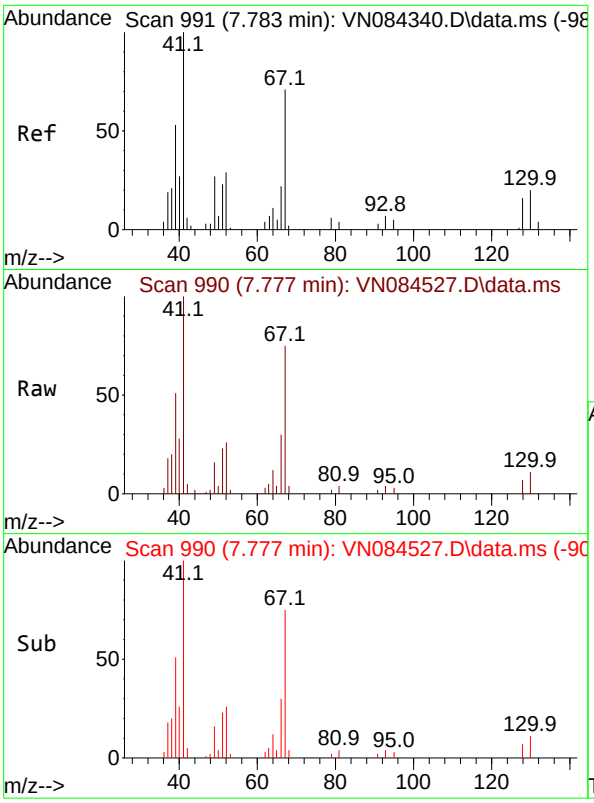


#34
Benzene
Concen: 20.078 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 78 Resp: 176120

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4
51	18.6	15.8	23.6

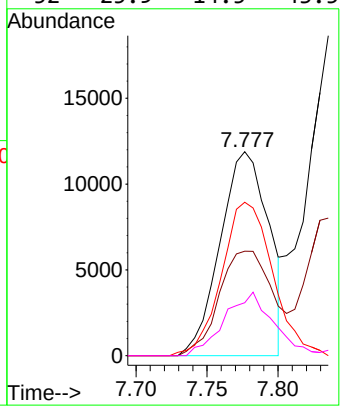




#35
Methacrylonitrile
Concen: 17.713 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 41 Resp: 2819

Ion	Ratio	Lower	Upper
41	100		
39	51.2	26.4	79.0
67	73.5	35.7	107.1
52	25.9	14.5	43.5



Instrument :
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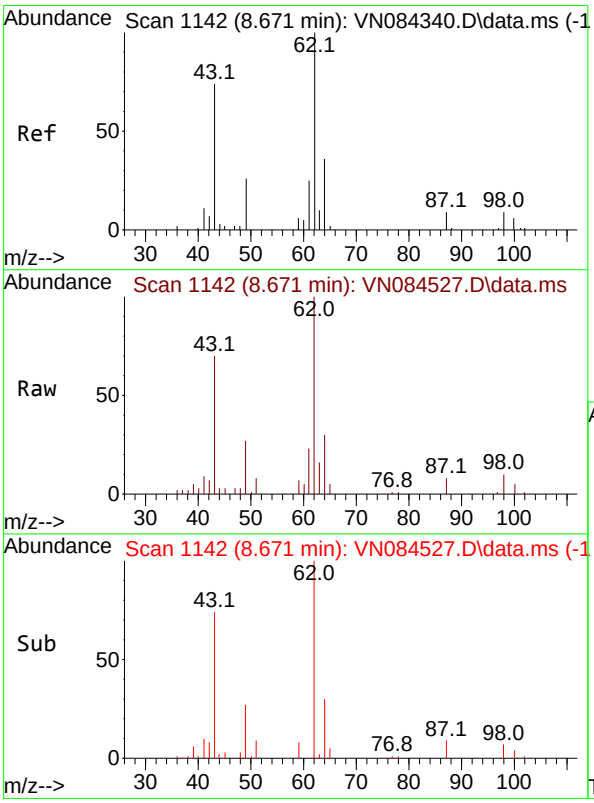
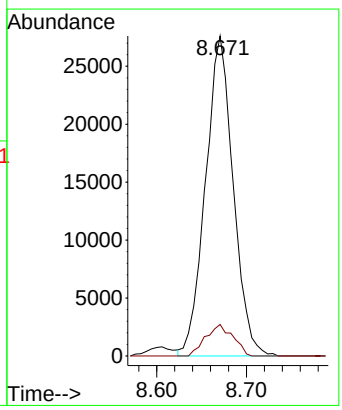
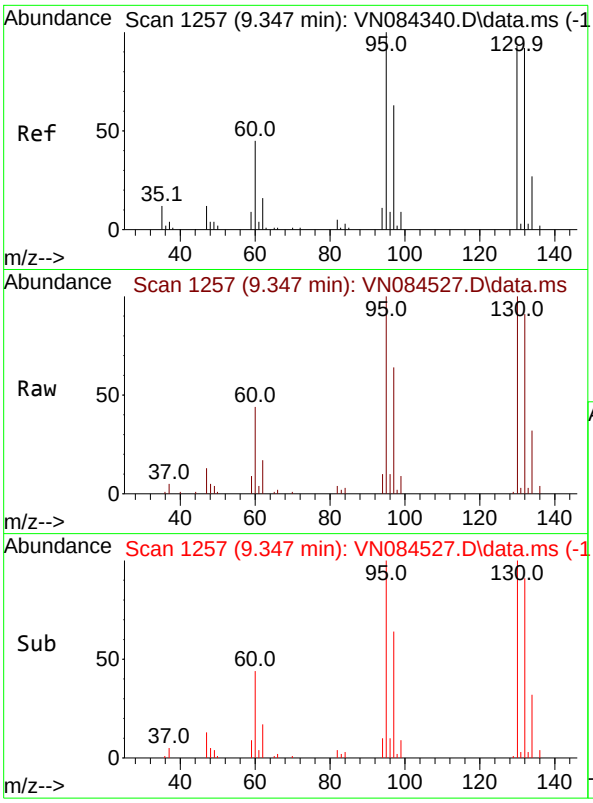


#36
1,2-Dichloroethane
Concen: 20.279 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 62 Resp: 59295

Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.3	10.9

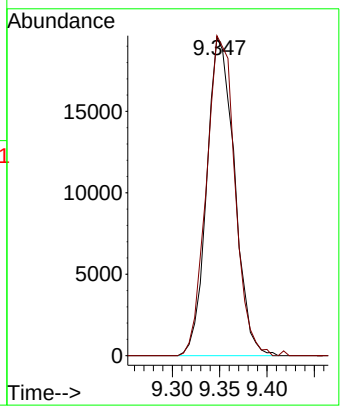




#37
Trichloroethene
Concen: 19.729 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:130 Resp: 3985

Ion	Ratio	Lower	Upper
130	100		
95	100.5	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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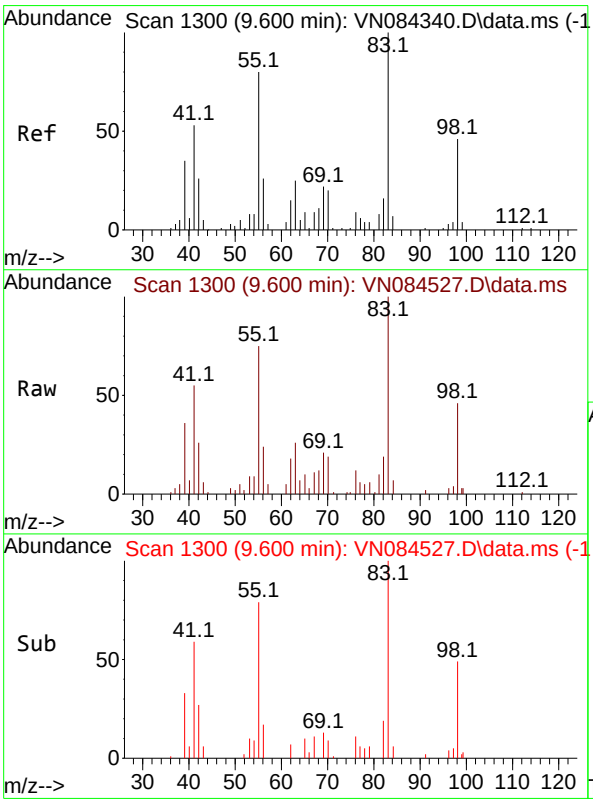
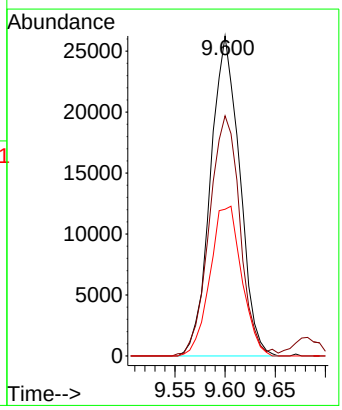
Supervised By :Mahesh Dadoda 10/28/2024

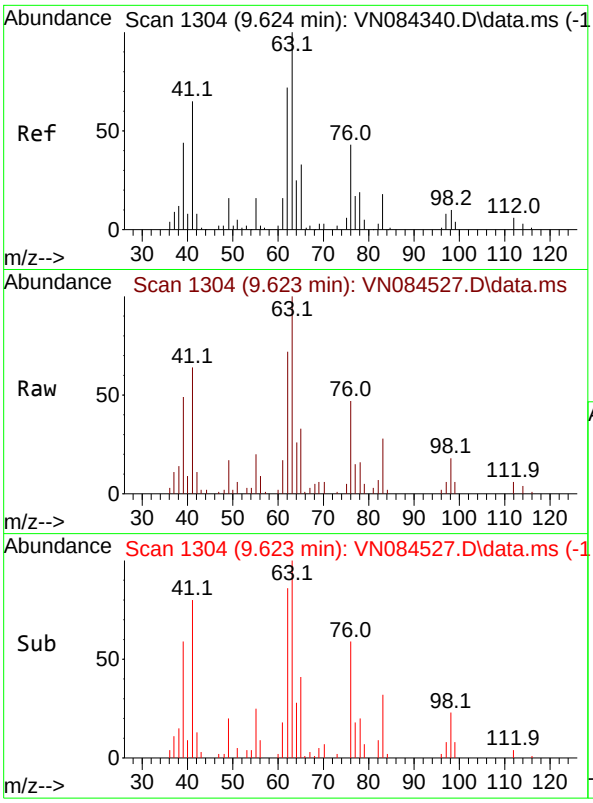


#38
Methylcyclohexane
Concen: 17.289 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 83 Resp: 53218

Ion	Ratio	Lower	Upper
83	100		
55	79.0	39.3	117.8
98	50.7	24.0	72.0

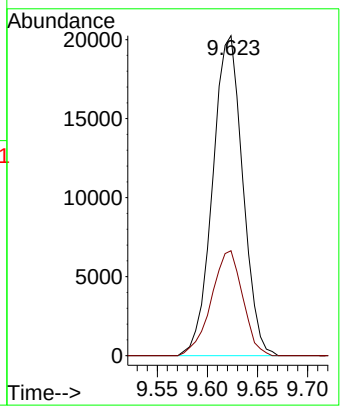




#39
1,2-Dichloropropane
Concen: 19.777 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 63 Resp: 4230

Ion	Ratio	Lower	Upper
63	100		
65	32.8	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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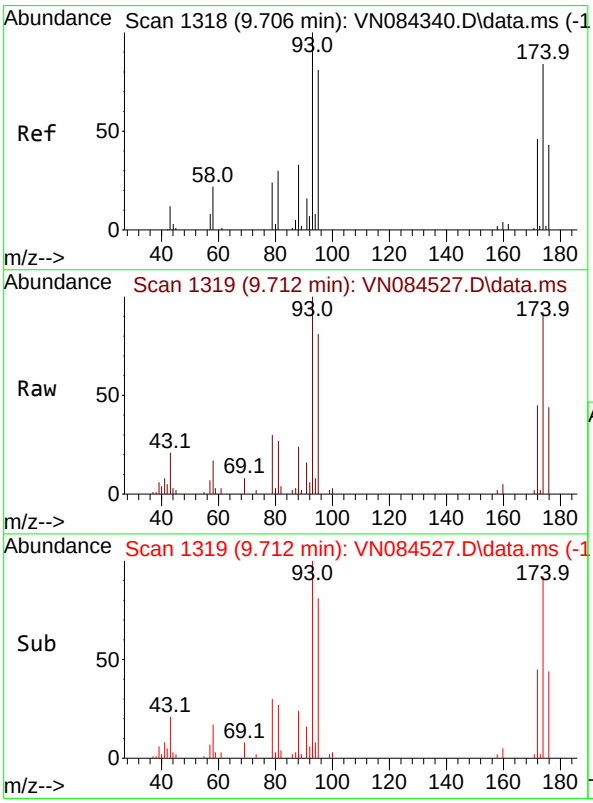
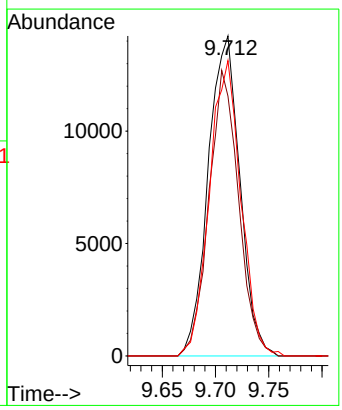
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

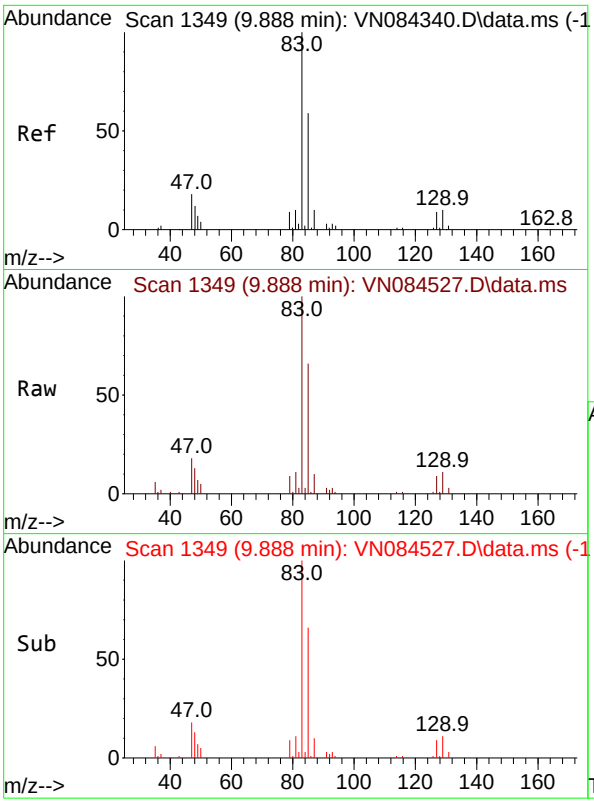


#40
Dibromomethane
Concen: 19.691 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 93 Resp: 29439

Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	171.4
174	91.5	0.0	183.0

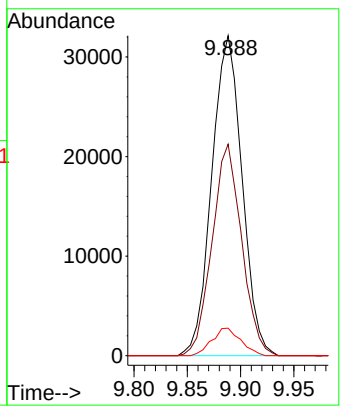




#41
Bromodichloromethane
Concen: 19.998 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 83 Resp: 6347

Ion	Ratio	Lower	Upper
83	100		
85	66.1	47.1	70.7
127	8.6	7.1	10.7



Instrument :
MSVOA_N
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VSTDCCC020EC

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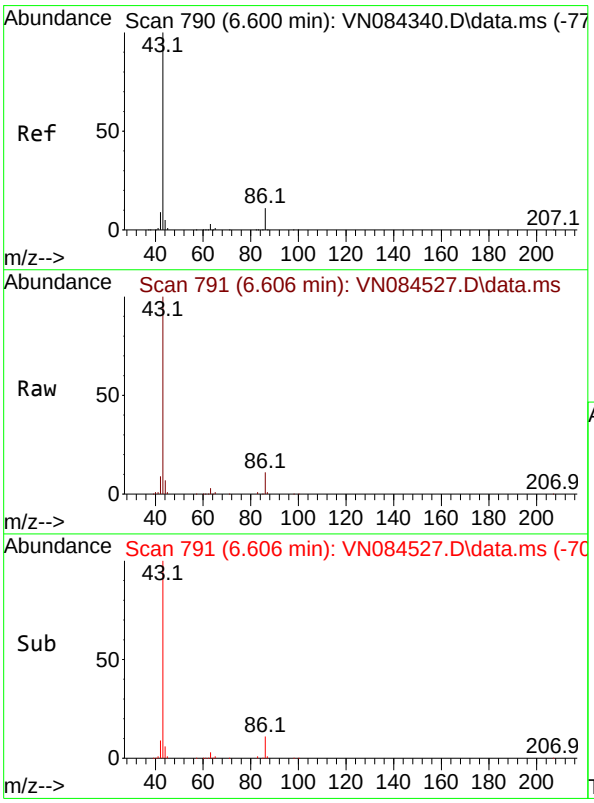
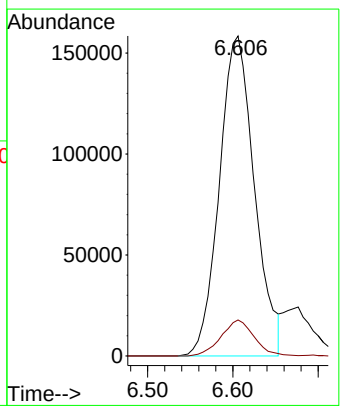
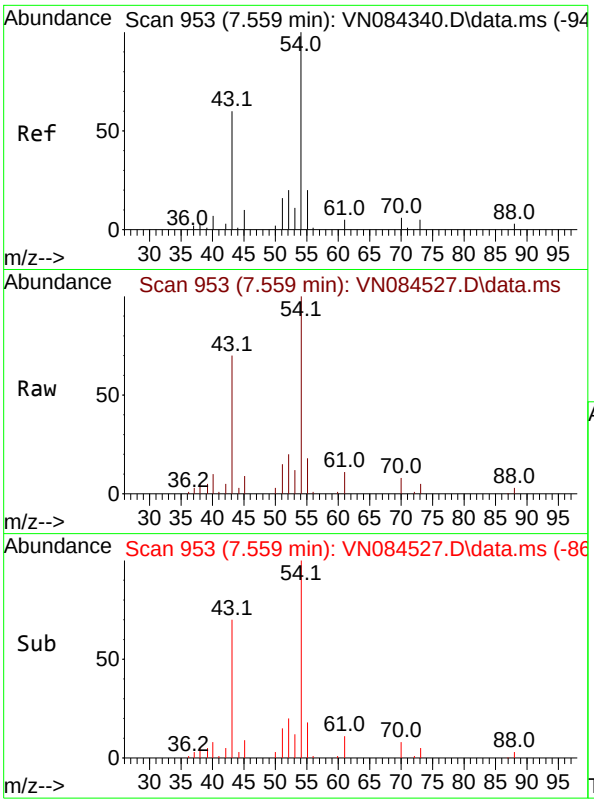


#42
Vinyl Acetate
Concen: 87.500 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 454035

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7





#43
Ethyl Acetate
Concen: 17.263 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 5079

Ion	Ratio	Lower	Upper
43	100		
45	15.3	10.6	16.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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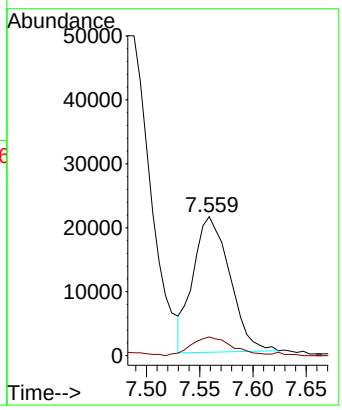
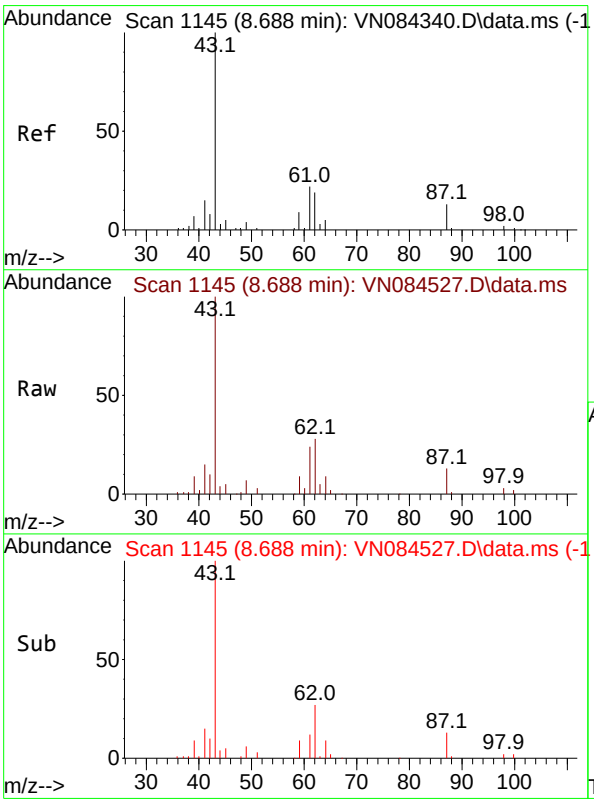
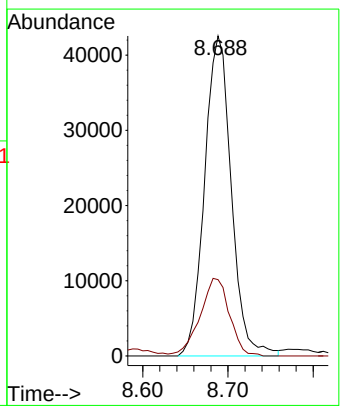


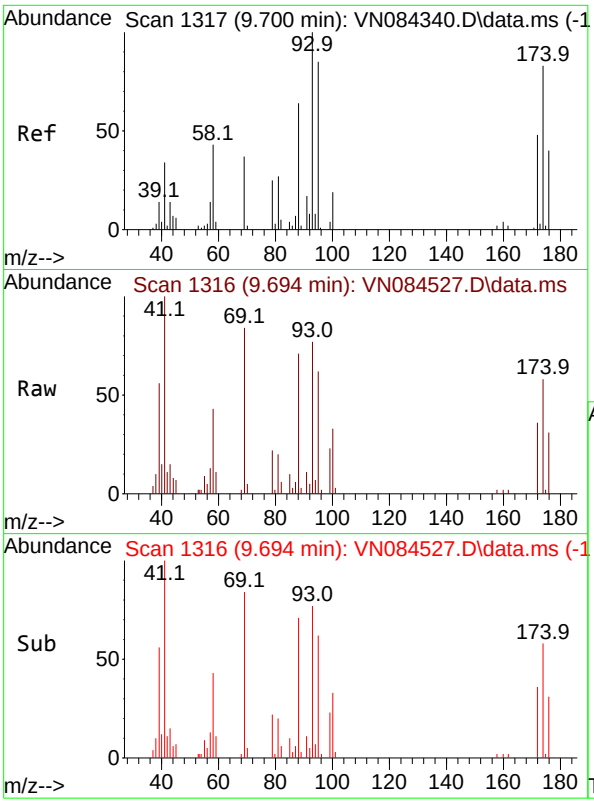


#44
Isopropyl Acetate
Concen: 19.266 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 92788

Ion	Ratio	Lower	Upper
43	100		
61	25.3	21.4	32.2





#45
1,4-Dioxane
Concen: 369.015 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 88 Resp: 1602

Ion	Ratio	Lower	Upper
88	100		
43	9.7	22.4	33.6
58	70.1	59.7	89.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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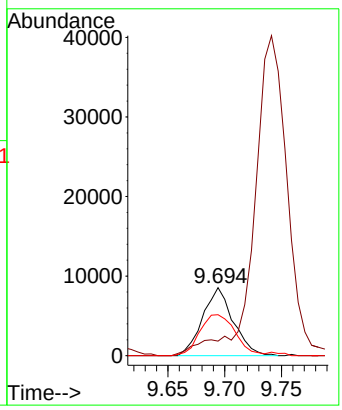
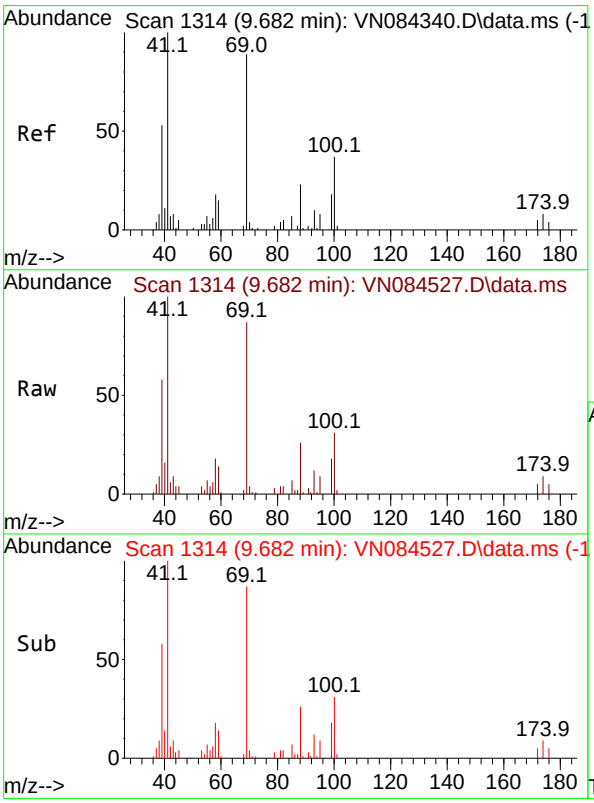
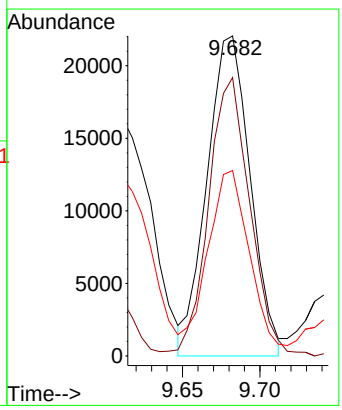


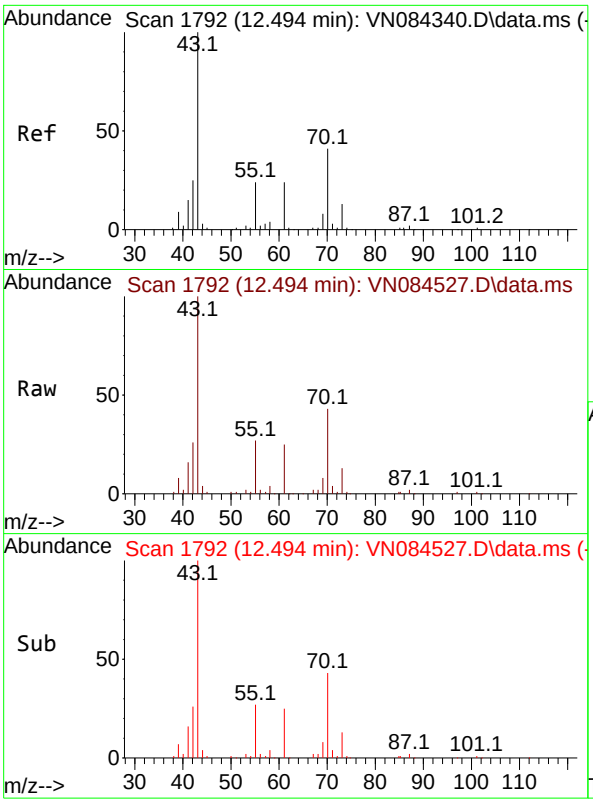


#46
Methyl methacrylate
Concen: 18.395 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 41 Resp: 42804

Ion	Ratio	Lower	Upper
41	100		
69	90.0	42.6	128.0
39	57.4	27.5	82.4

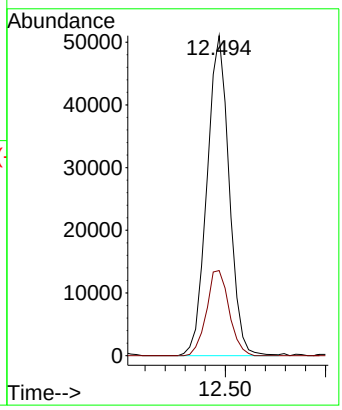




#47
n-amyl Acetate
Concen: 18.307 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 7842

Ion	Ratio	Lower	Upper
43	100		
55	27.2	20.6	31.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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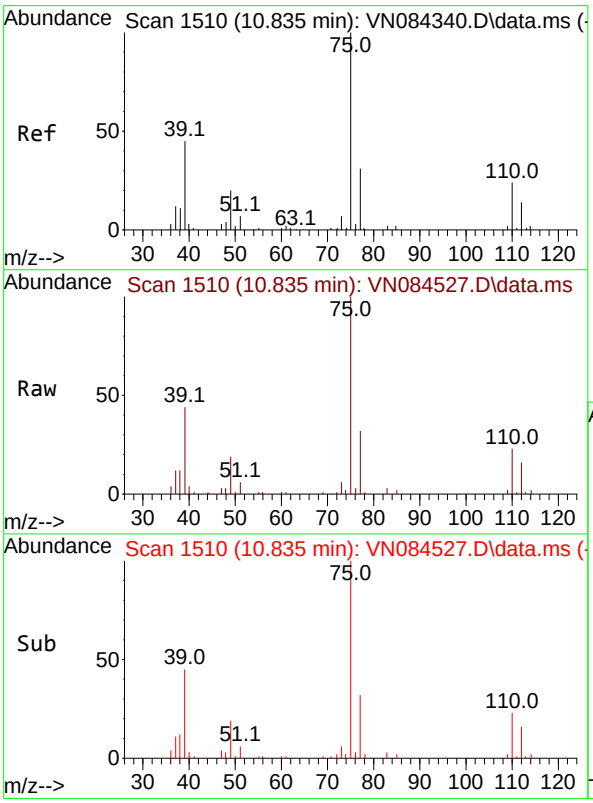
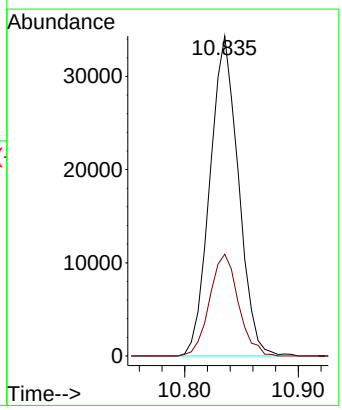
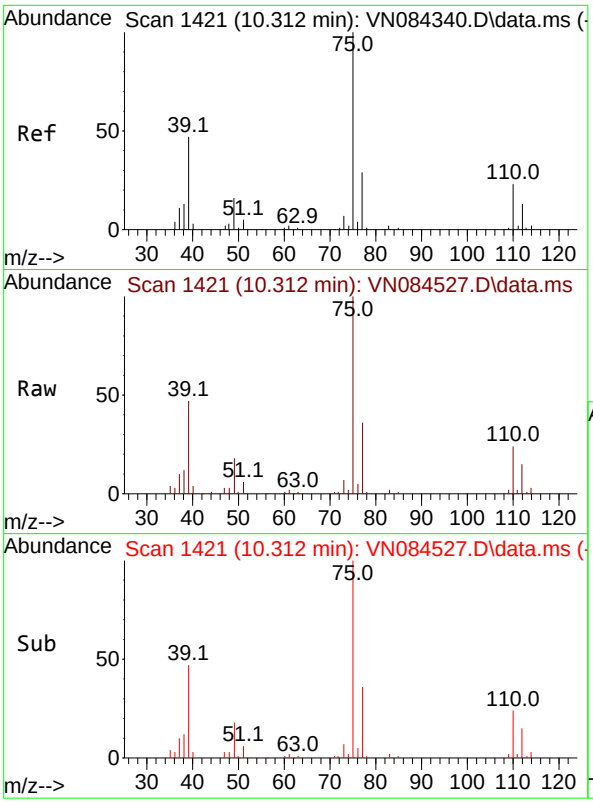


#48
t-1,3-Dichloropropene
Concen: 18.236 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 59808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	37.0





#49
cis-1,3-Dichloropropene
Concen: 18.913 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 6500

Ion	Ratio	Lower	Upper
75	100		
77	36.0	22.9	34.3#
39	46.7	37.4	56.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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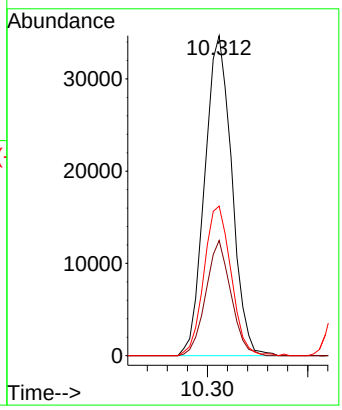
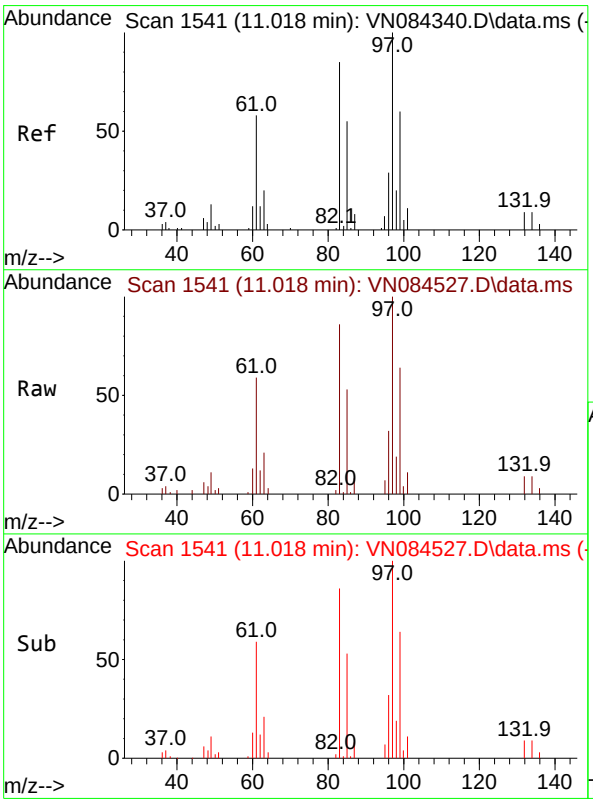
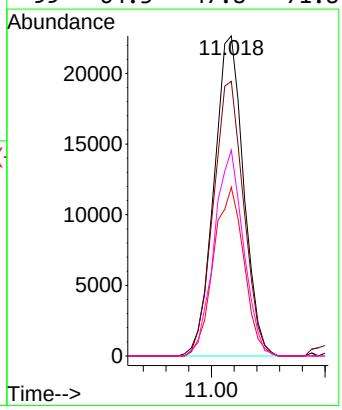


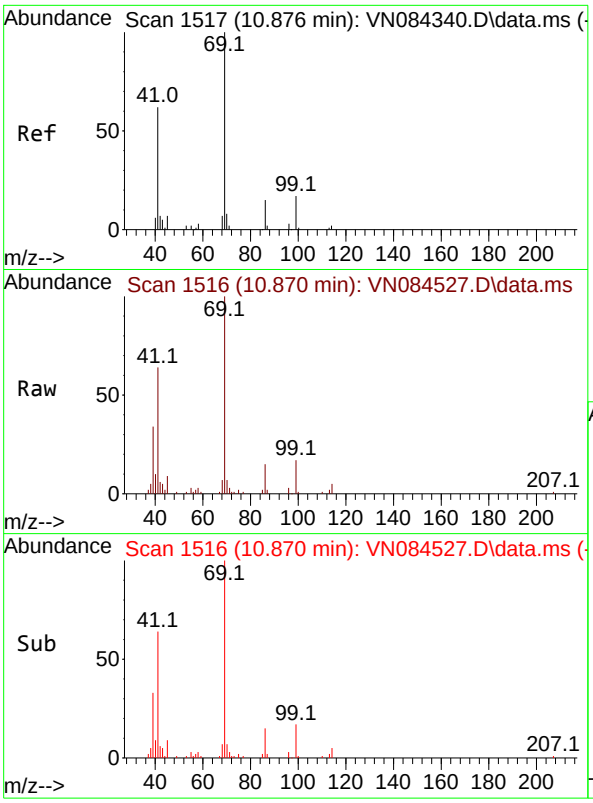


#50
1,1,2-Trichloroethane
Concen: 20.399 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 97 Resp: 40992

Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.8	101.8
85	52.7	44.2	66.2
99	64.3	47.8	71.8

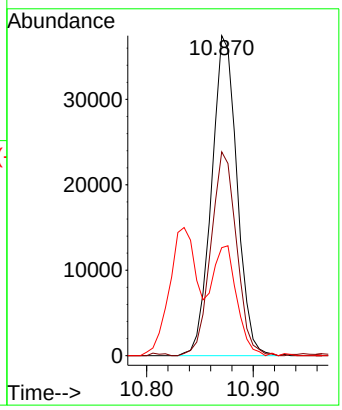




#51
Ethyl methacrylate
Concen: 18.717 ug/l
RT: 10.870 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 69 Resp: 6212

Ion	Ratio	Lower	Upper
69	100		
41	63.7	30.9	92.7
39	33.7	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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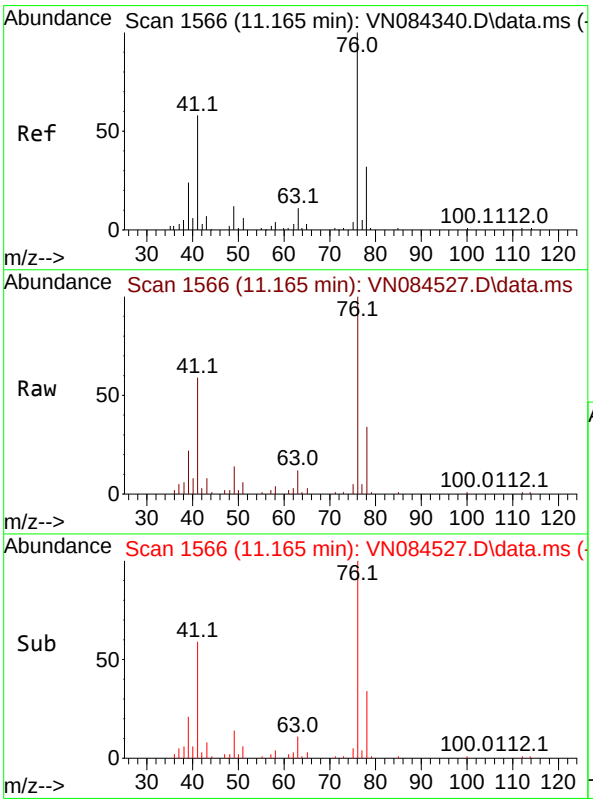
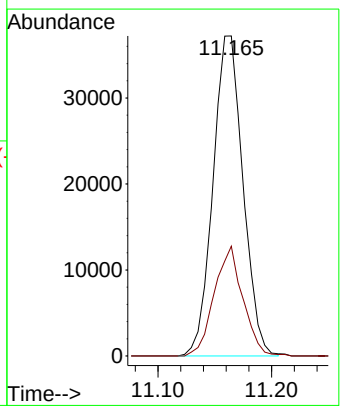
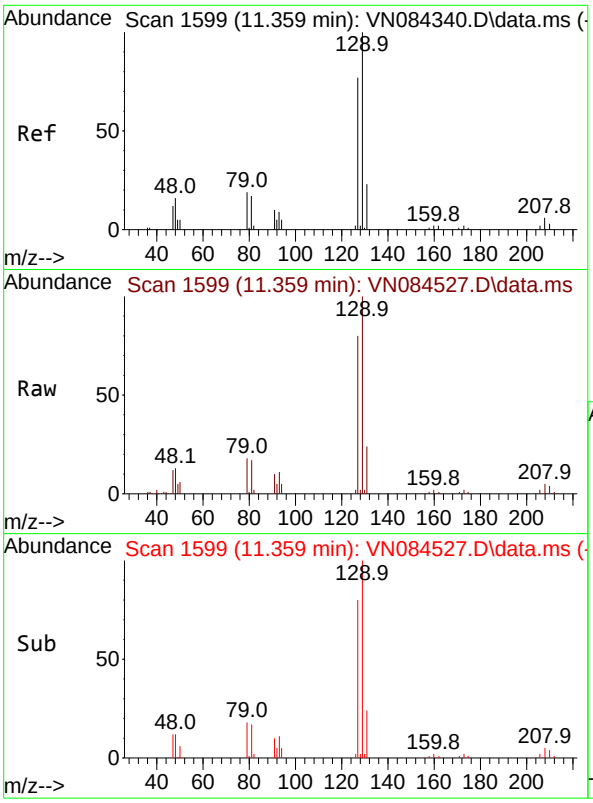


#52
1,3-Dichloropropane
Concen: 19.446 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 76 Resp: 68327

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.2

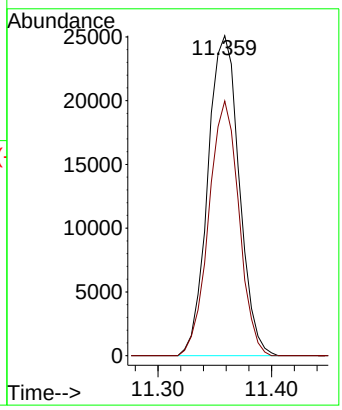




#53
Dibromochloromethane
Concen: 20.274 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:129 Resp: 4812

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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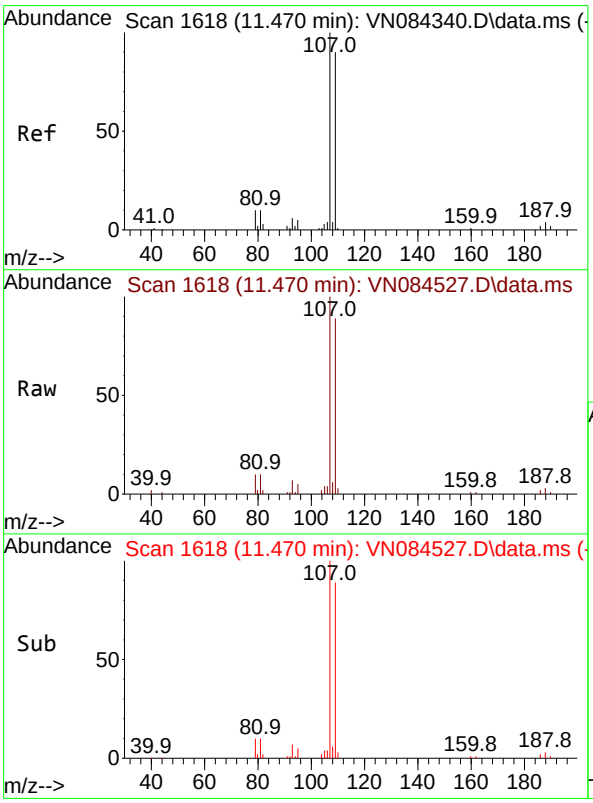
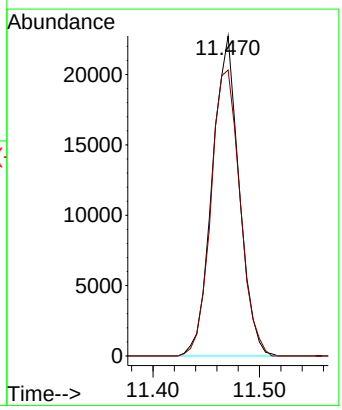
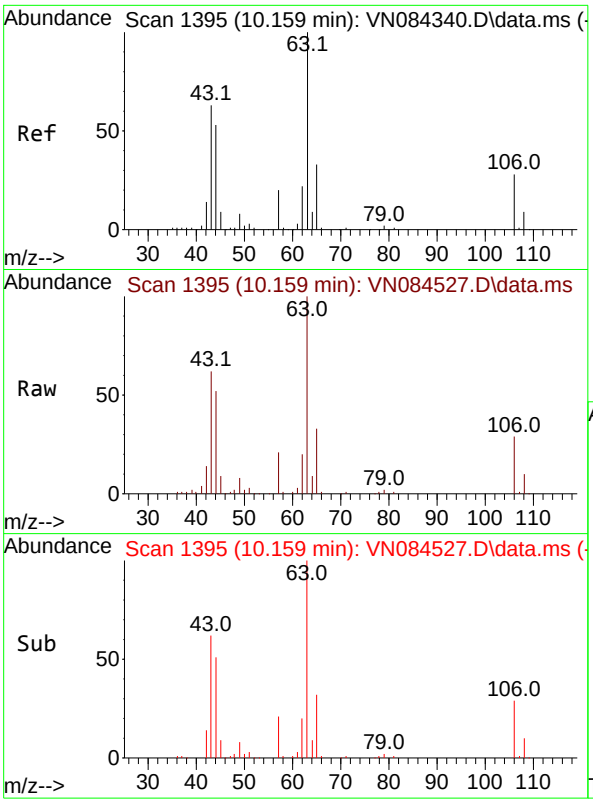


#54
1,2-Dibromoethane
Concen: 19.261 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:107 Resp: 39841

Ion	Ratio	Lower	Upper
107	100		
109	96.4	73.8	110.6

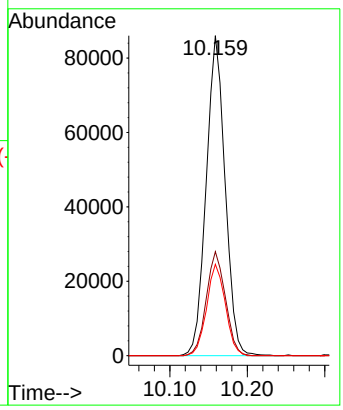




#55
2-Chloroethyl vinyl ether
Concen: 96.799 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 63 Resp: 14572

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.6	38.4
106	28.4	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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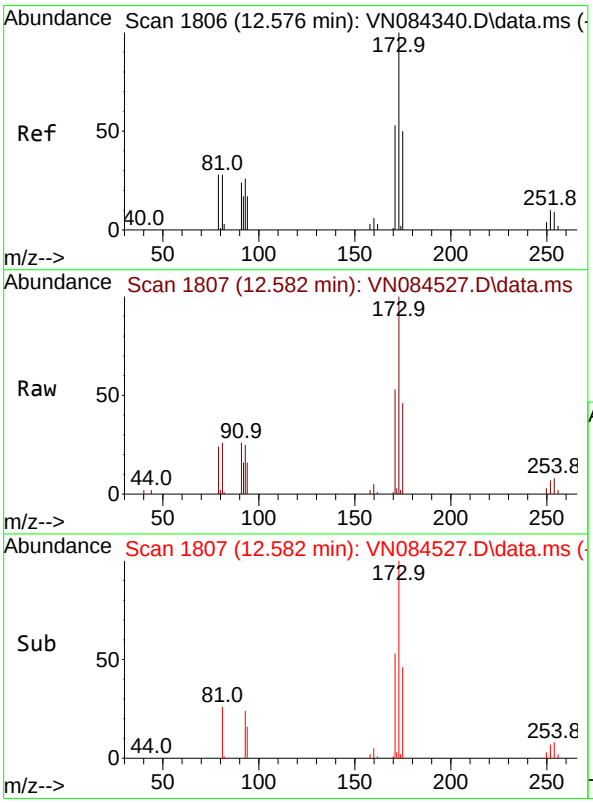
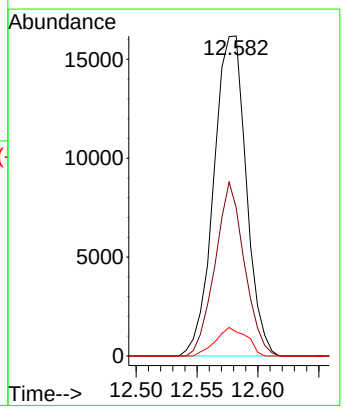
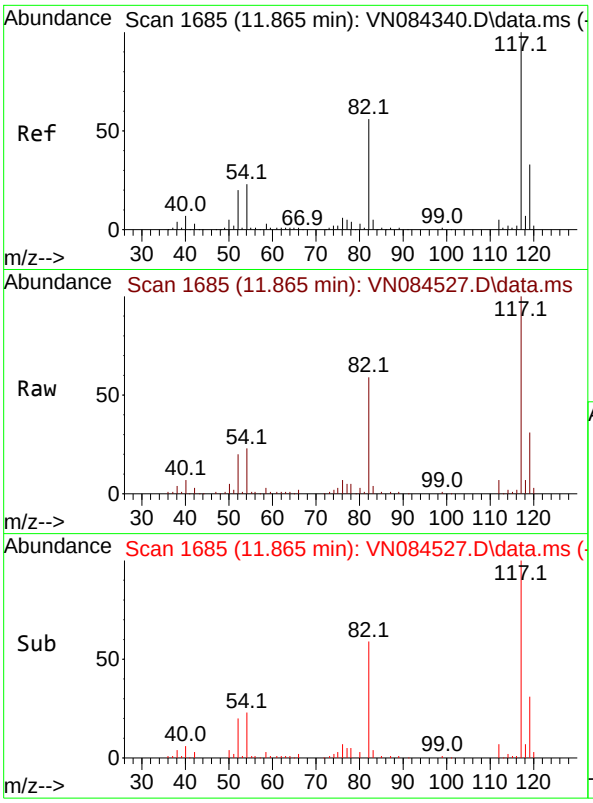


#56
Bromoform
Concen: 19.086 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:173 Resp: 30049

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.2
254	8.5	6.8	10.2

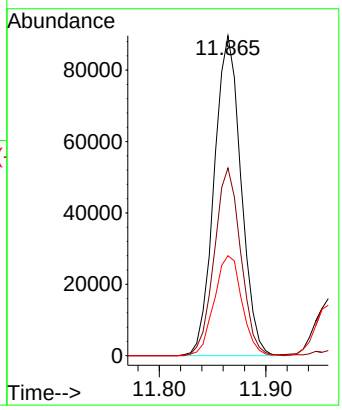




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:117 Resp: 15707

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.2	69.4
119	32.1	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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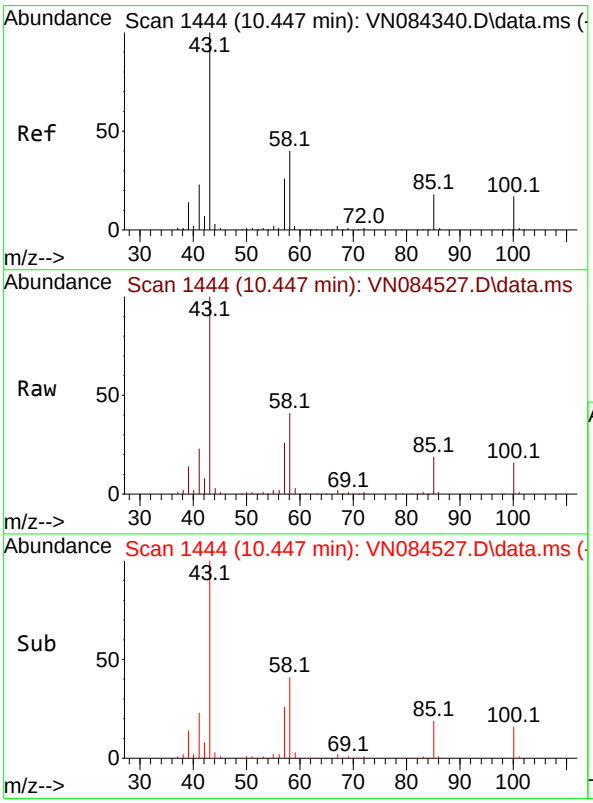
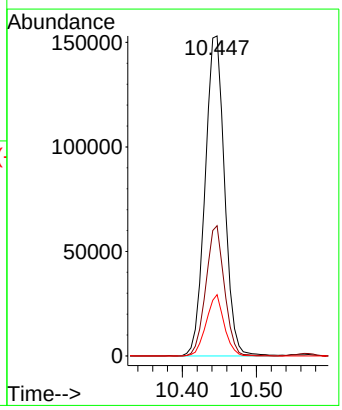
Supervised By :Mahesh Dadoda 10/28/2024

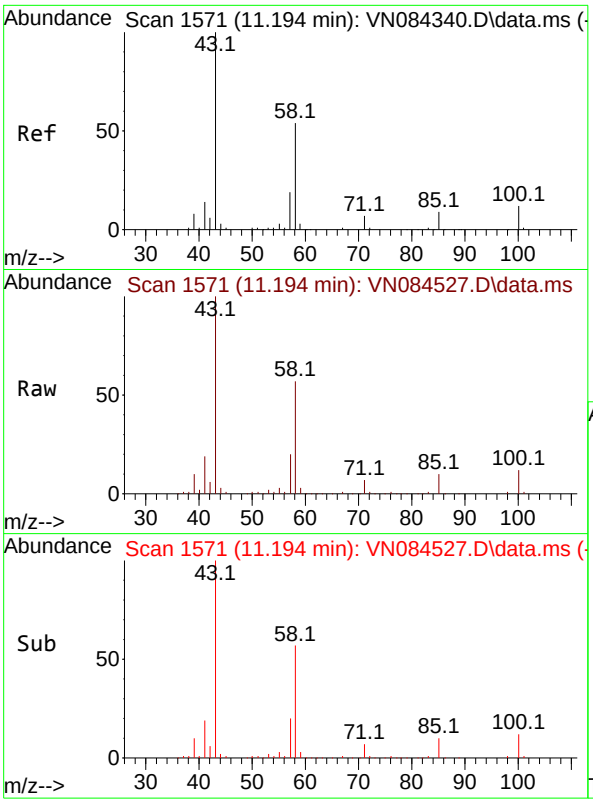


#58
4-Methyl-2-Pentanone
Concen: 95.601 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 279735

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.9	47.9
85	17.7	14.6	22.0





#59
2-Hexanone
Concen: 92.927 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 20205

Ion	Ratio	Lower	Upper
43	100		
58	54.4	44.0	66.0
57	18.8	15.4	23.2

Instrument :
MSVOA_N
ClientSampleId :
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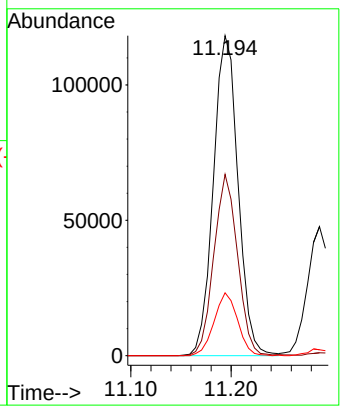
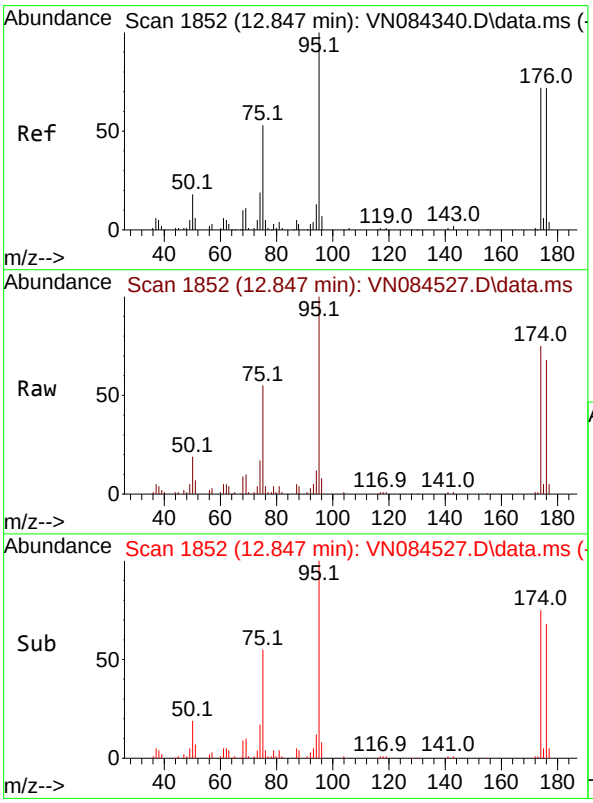
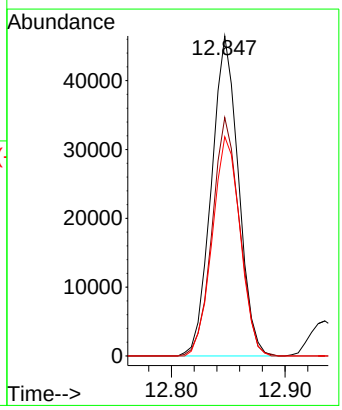


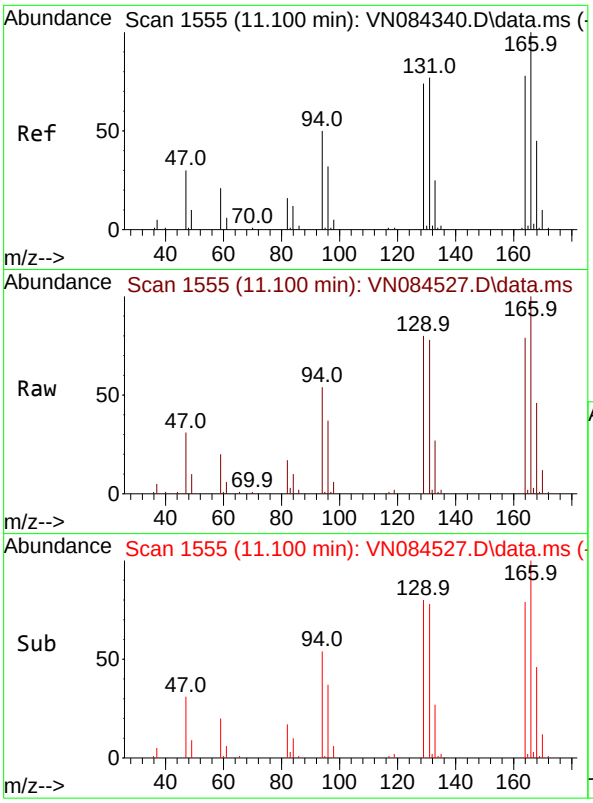


#60
4-Bromofluorobenzene
Concen: 29.657 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 95 Resp: 76884

Ion	Ratio	Lower	Upper
95	100		
174	75.1	58.2	87.2
176	70.7	56.4	84.6

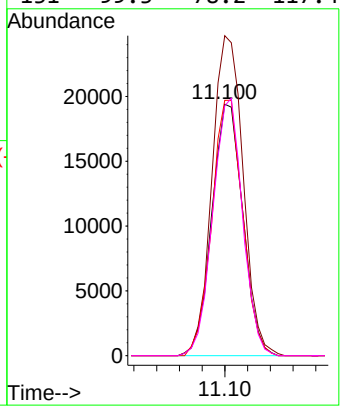




#61
Tetrachloroethene
Concen: 20.663 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:164 Resp: 3671

Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.5	153.7
129	101.6	75.7	113.5
131	99.3	78.2	117.4



Instrument :
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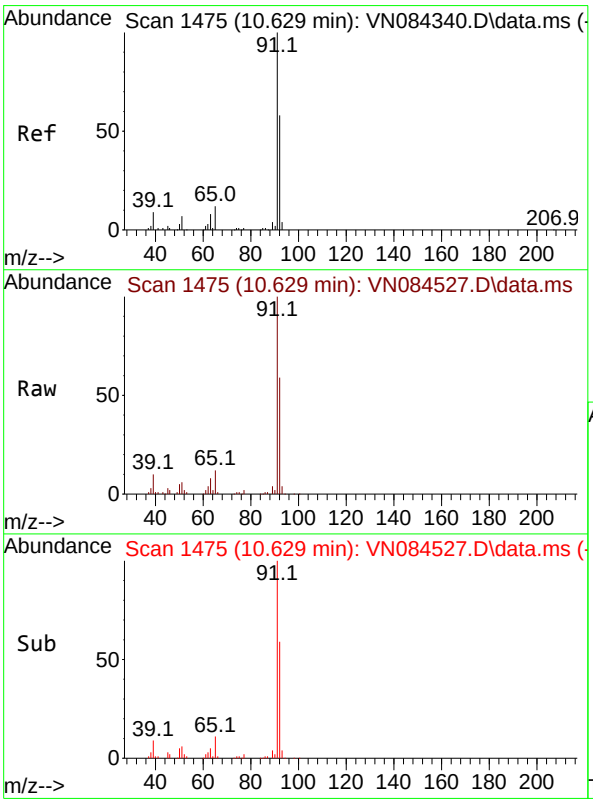
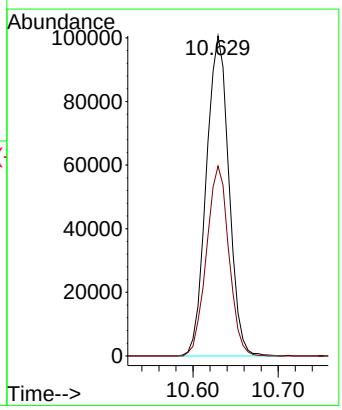
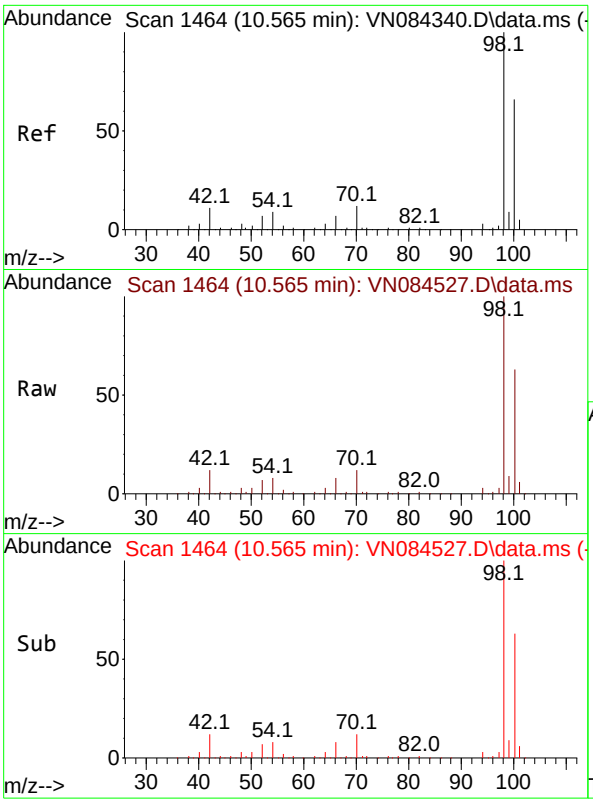


#62
Toluene
Concen: 20.155 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 185332

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.2	70.8

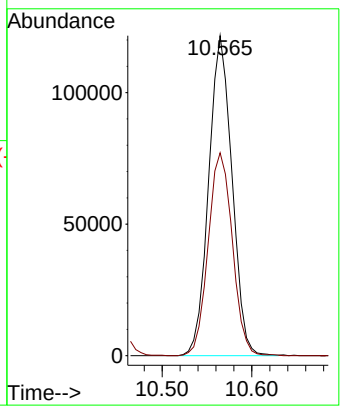




#63
Toluene-d8
Concen: 30.159 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 98 Resp: 21945

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
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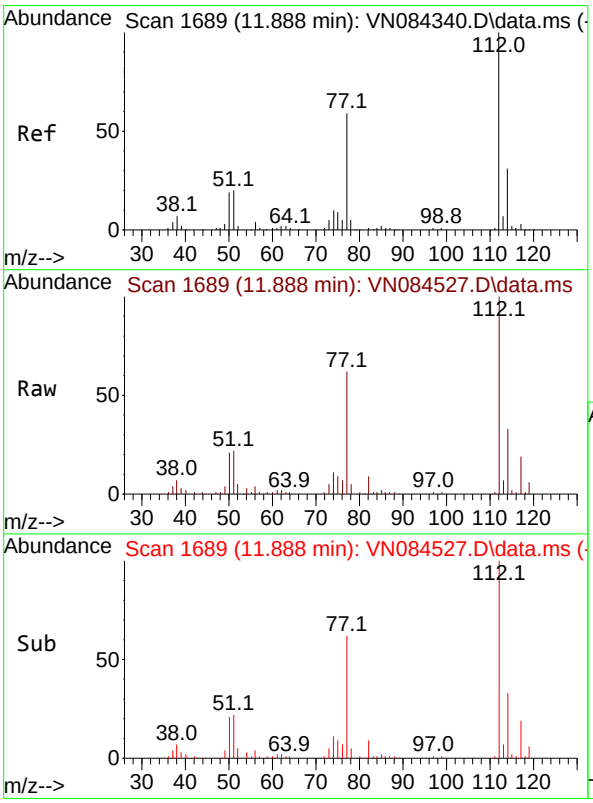
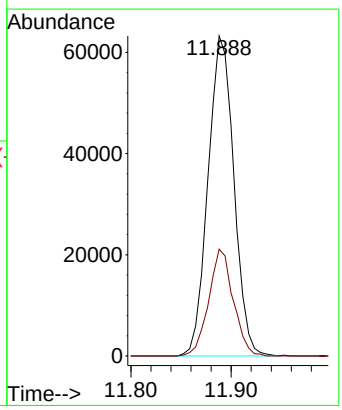
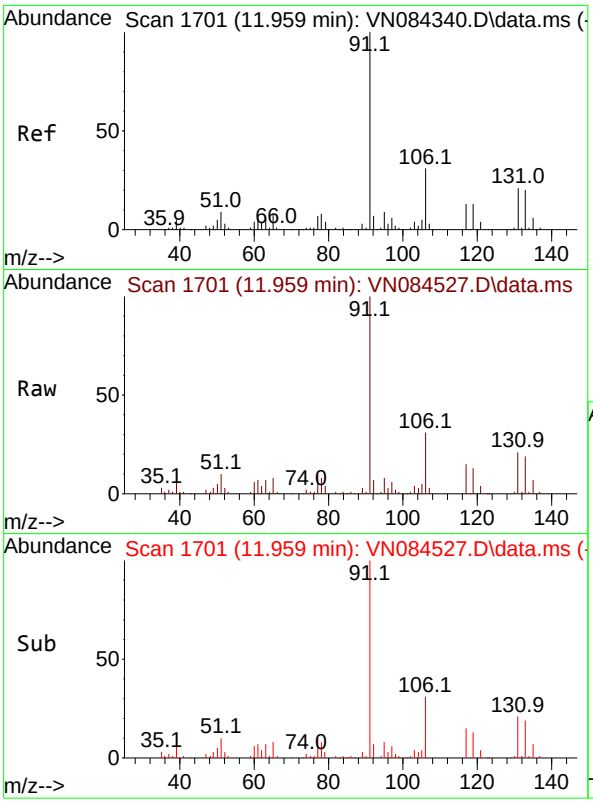


#64
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:112 Resp: 113160

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.1	37.7

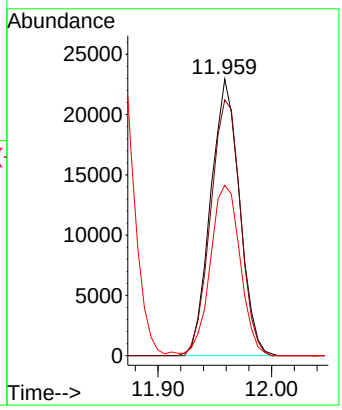




#65
1,1,1,2-Tetrachloroethane
Concen: 20.444 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:131 Resp: 4064

Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	190.4
119	63.5	0.0	130.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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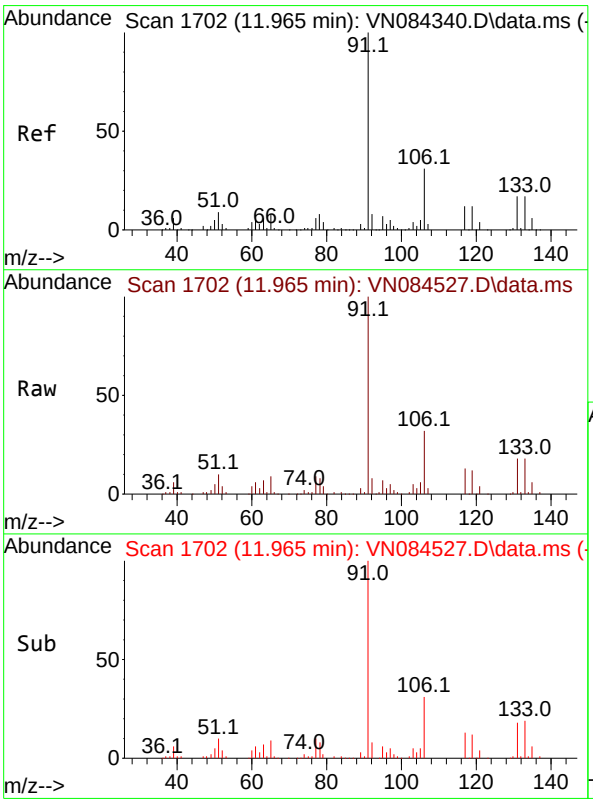
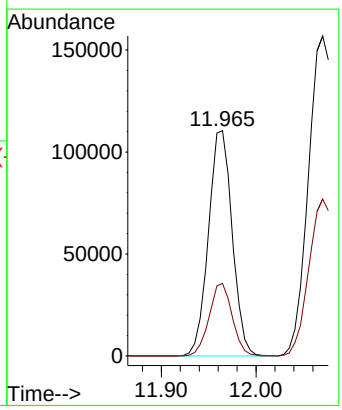
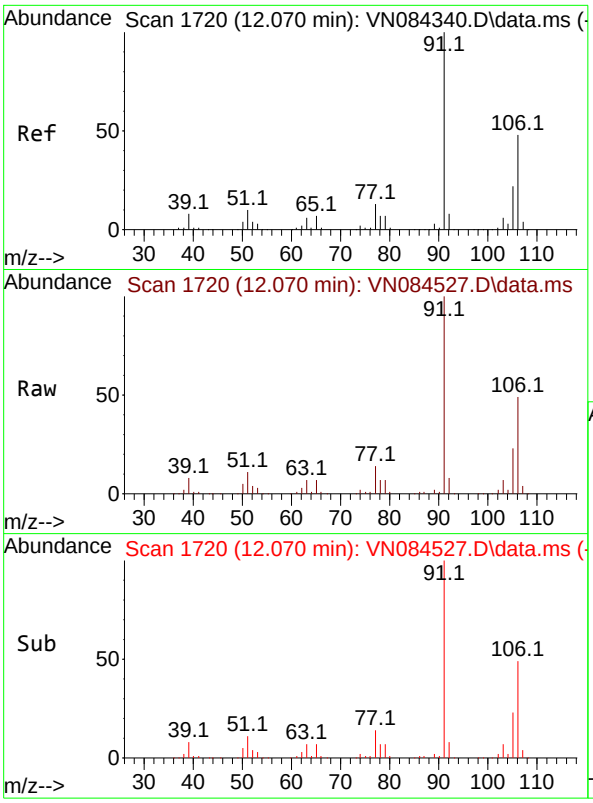


#66
Ethyl Benzene
Concen: 19.272 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 192535

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.2	37.8

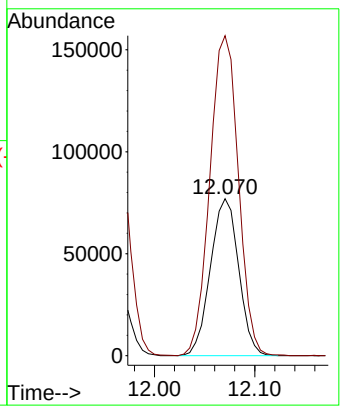




#67
m/p-Xylenes
Concen: 39.725 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:106 Resp: 15055

Ion	Ratio	Lower	Upper
106	100		
91	206.1	166.7	250.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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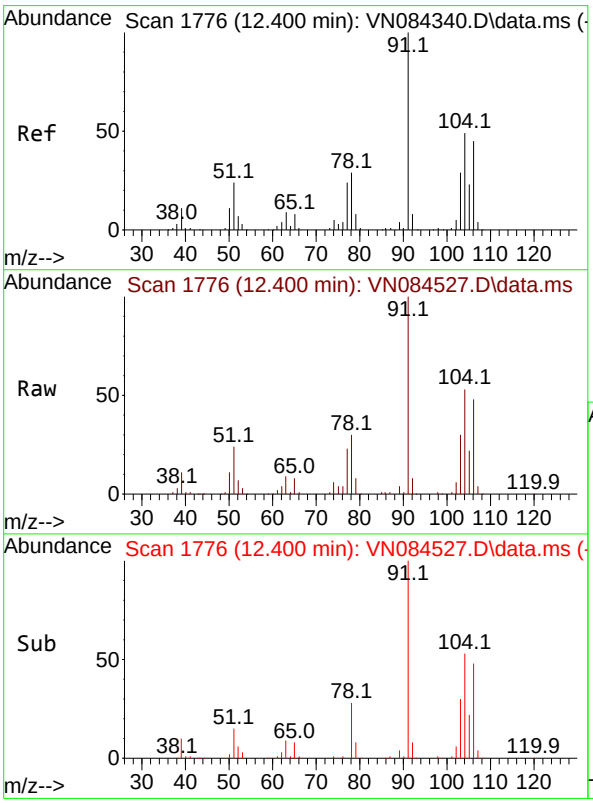
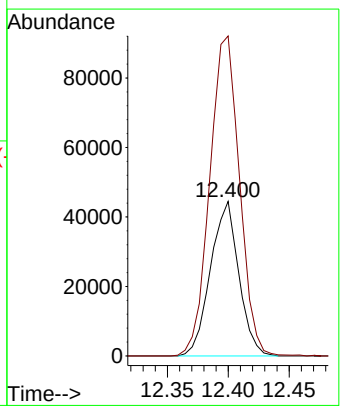
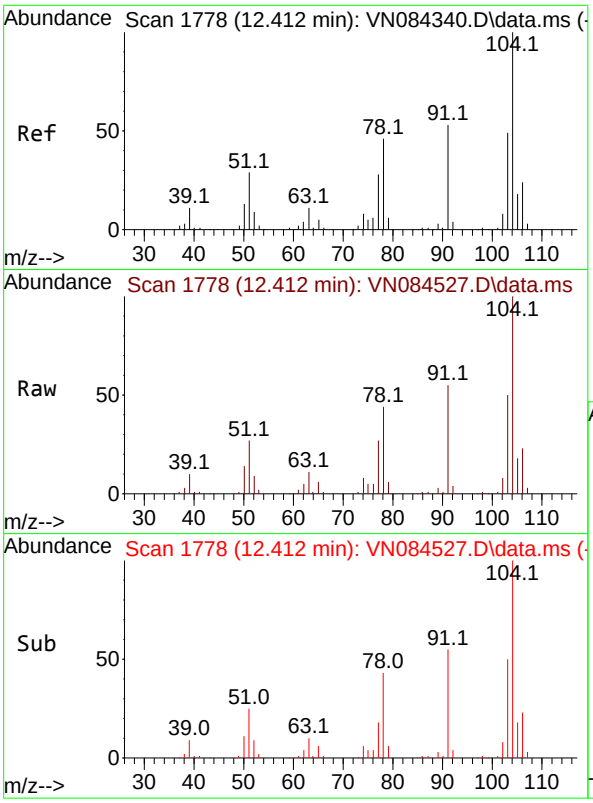


#68
o-Xylene
Concen: 19.660 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:106 Resp: 71820

Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.9	332.9

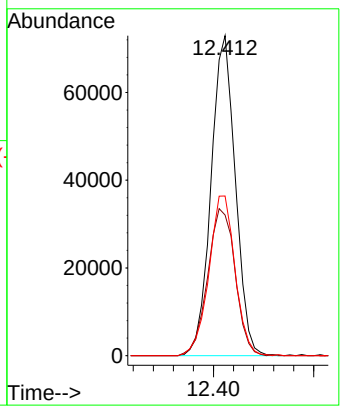




#69
Styrene
Concen: 19.558 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:104 Resp: 12264

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	53.8	44.4	66.6



Instrument :
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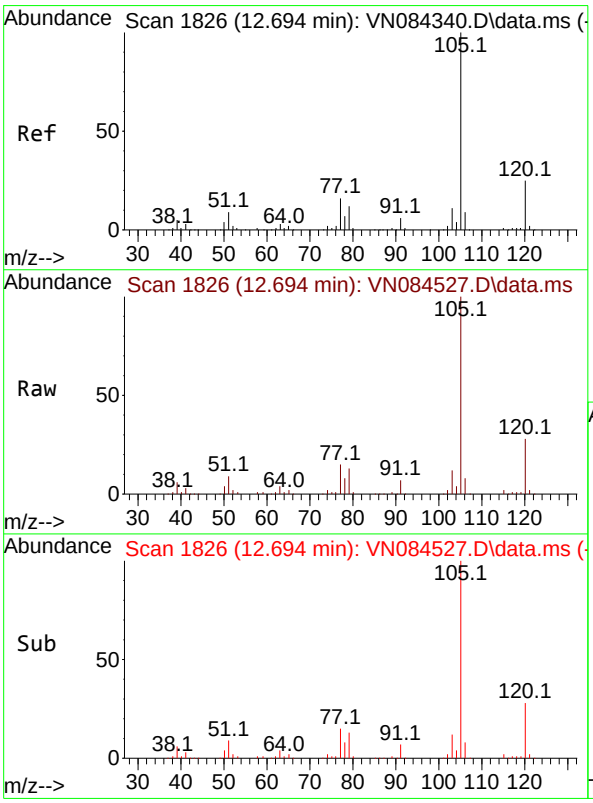
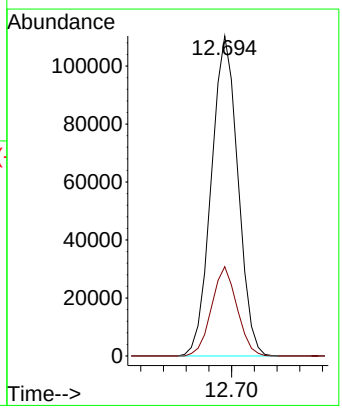
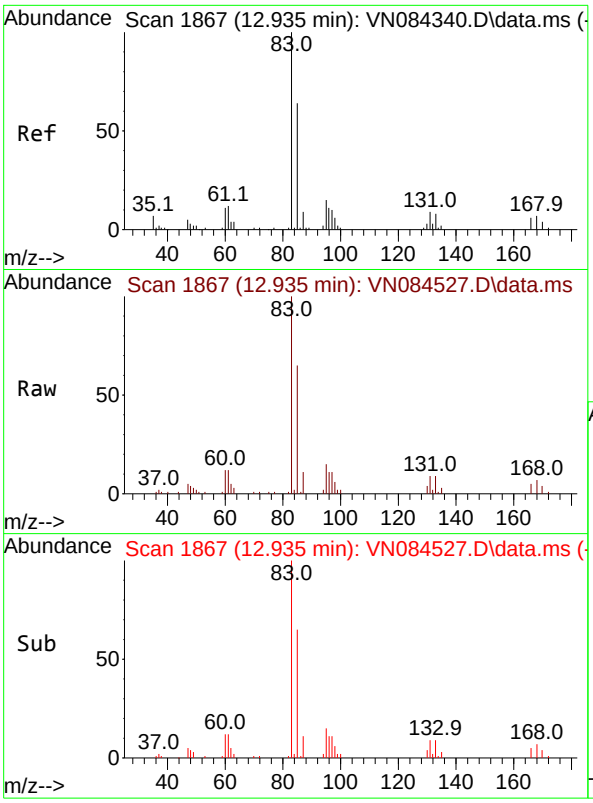


#70
Isopropylbenzene
Concen: 19.247 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 179492

Ion	Ratio	Lower	Upper
105	100		
120	26.7	17.4	32.4





#71
1,1,2,2-Tetrachloroethane
Concen: 19.873 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 83 Resp: 5733

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.1	15.3
85	65.4	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
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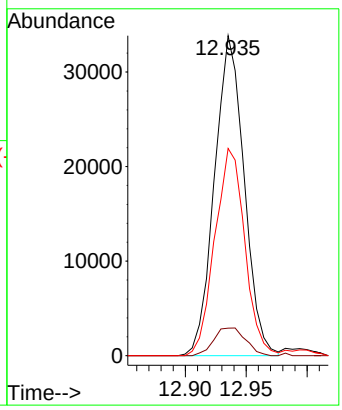
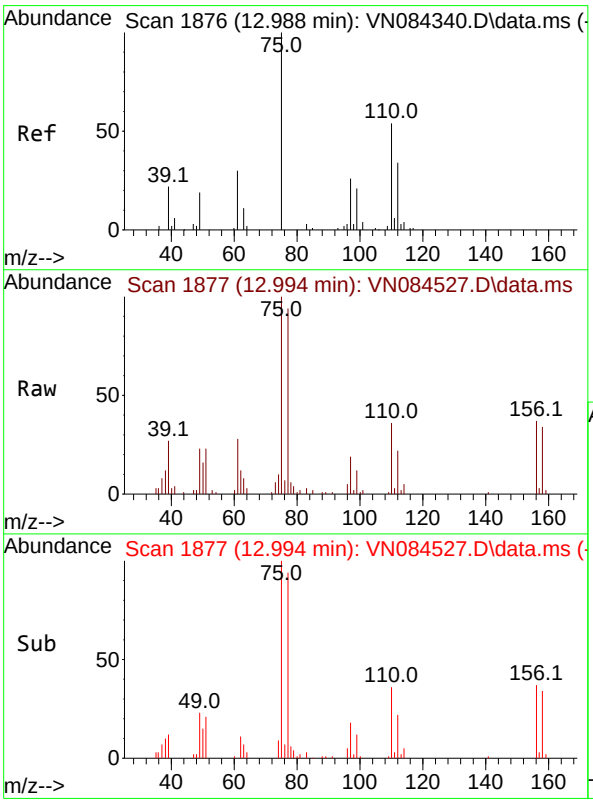
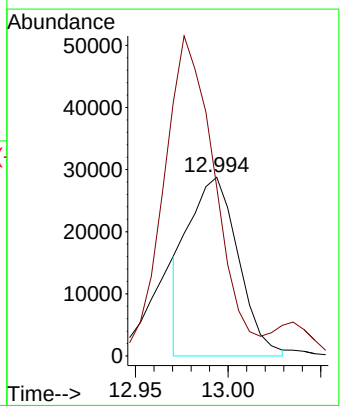


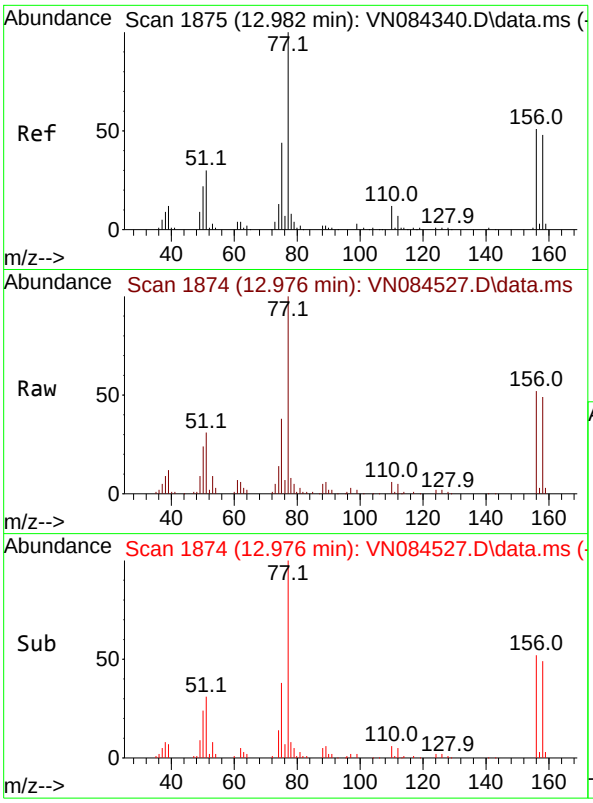


#72
1,2,3-Trichloropropane
Concen: 21.807 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 53881

Ion	Ratio	Lower	Upper
75	100		
77	184.3	0.0	414.0

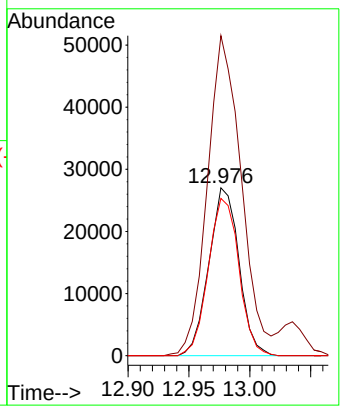




#73
Bromobenzene
Concen: 20.557 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:156 Resp: 4643

Ion	Ratio	Lower	Upper
156	100		
77	213.8	0.0	451.0
158	95.3	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
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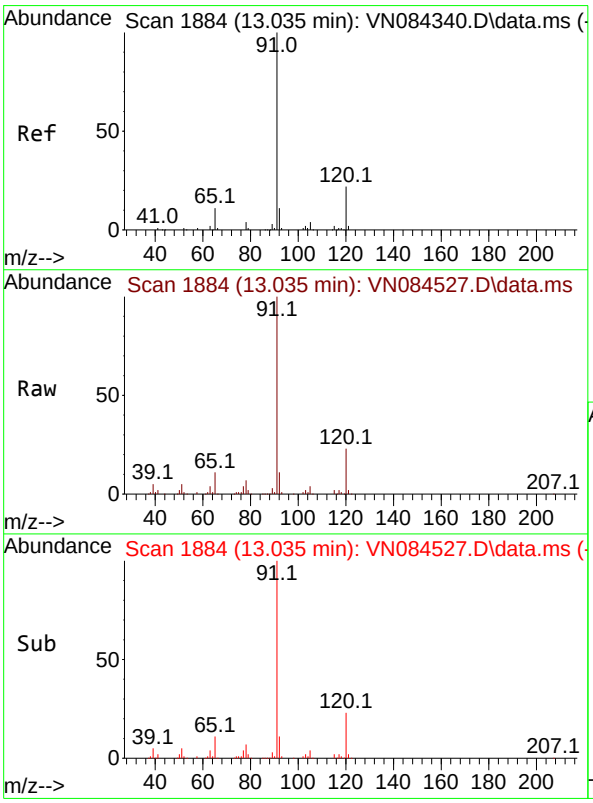
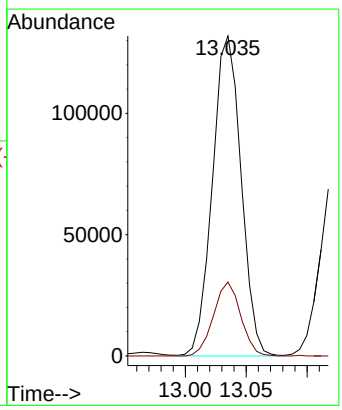
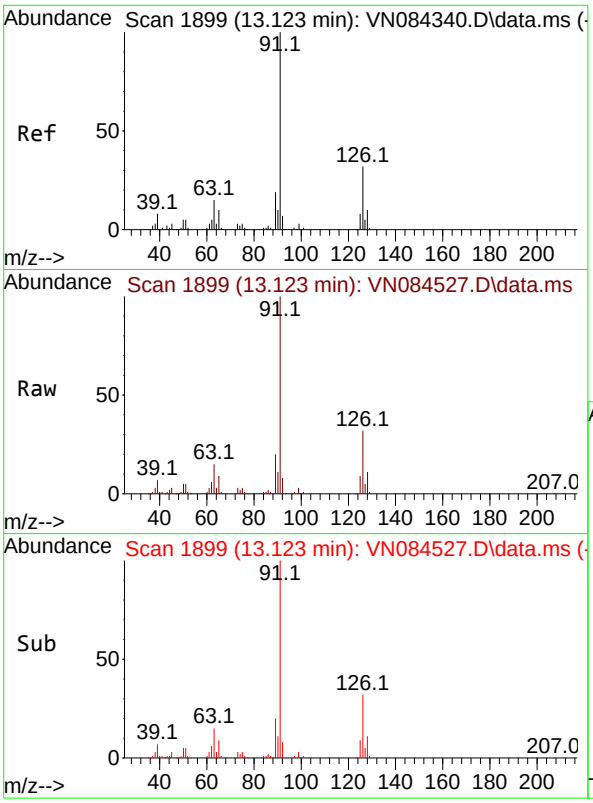


#74
n-propylbenzene
Concen: 19.439 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 216025

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	43.2

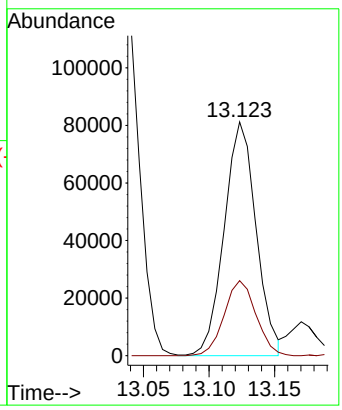




#75
2-Chlorotoluene
Concen: 19.943 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 13772

Ion	Ratio	Lower	Upper
91	100		
126	31.9	0.0	64.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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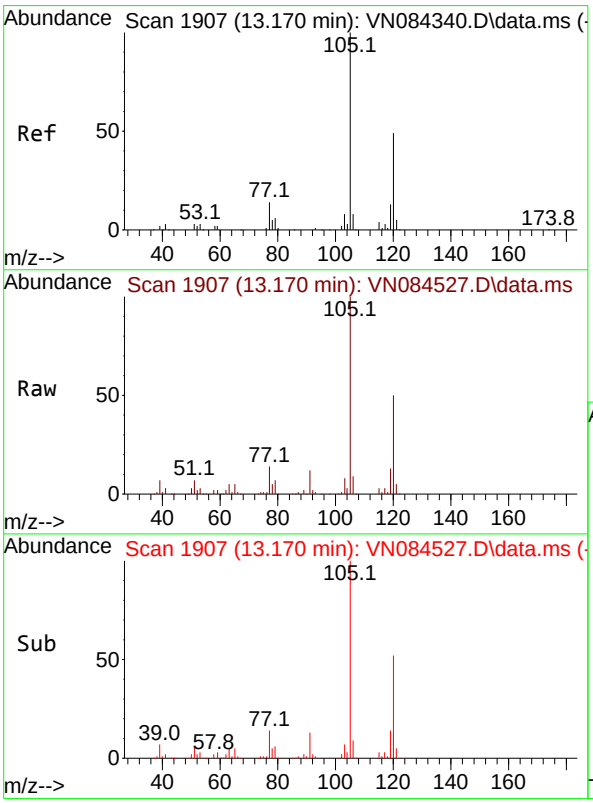
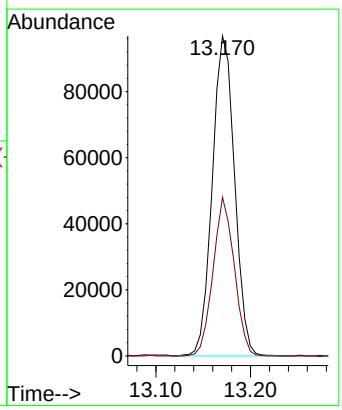
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

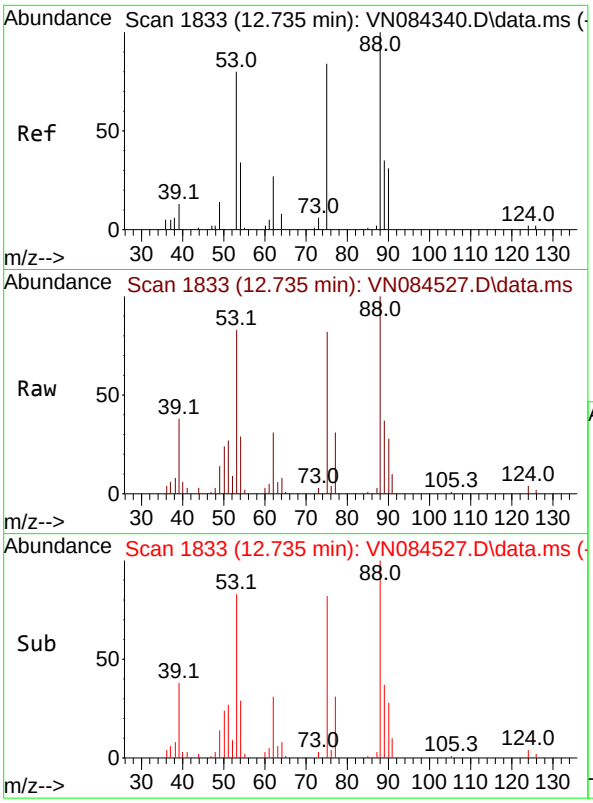


#76
1,3,5-Trimethylbenzene
Concen: 20.164 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 158334

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4





#77
t-1,4-Dichloro-2-butene
Concen: 16.149 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 1705

Ion	Ratio	Lower	Upper
75	100		
53	102.0	47.3	142.0
89	45.4	22.9	68.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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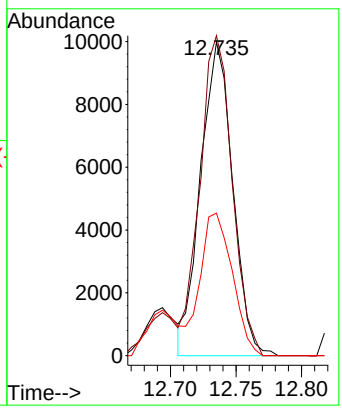
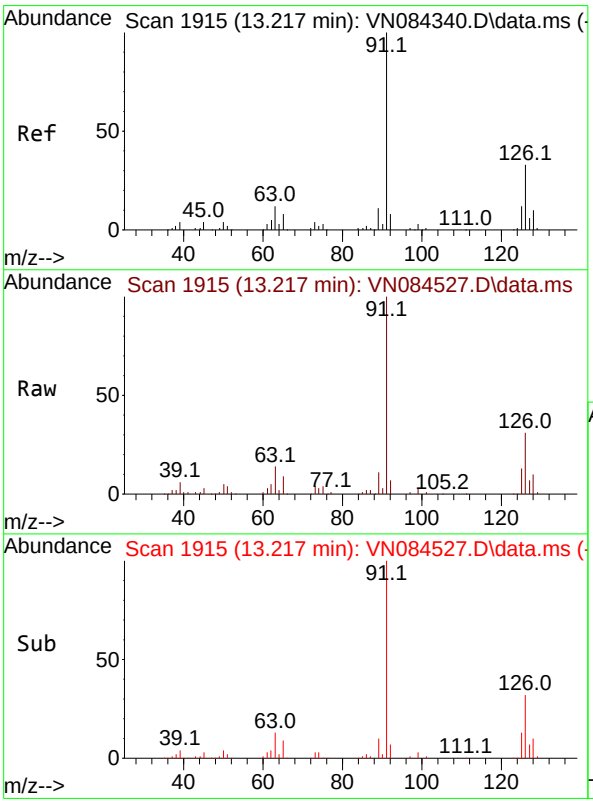
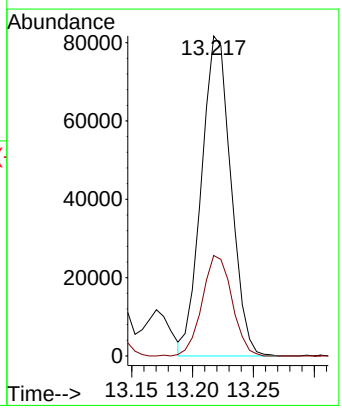


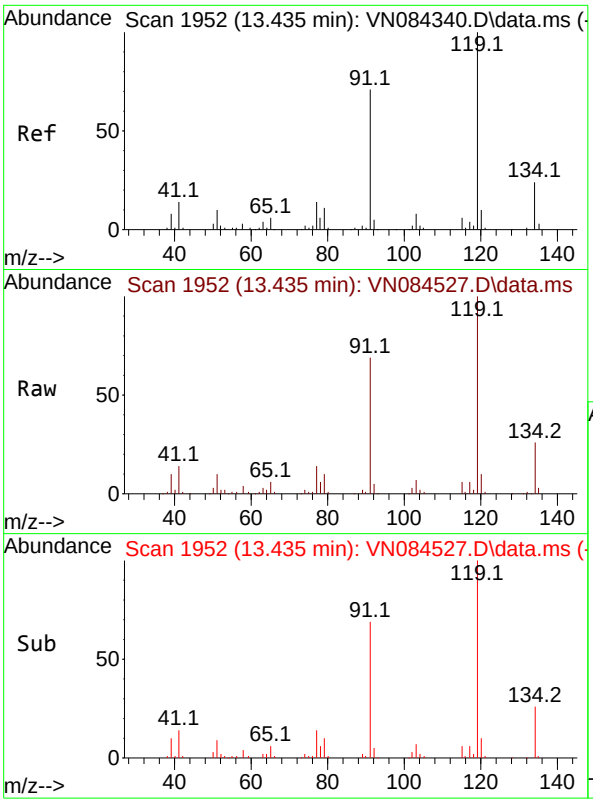


#78
4-Chlorotoluene
Concen: 19.623 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 137774

Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	62.4

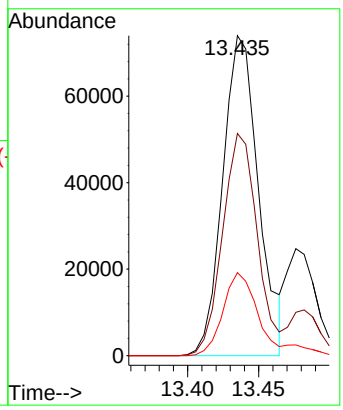




#79
tert-butylbenzene
Concen: 19.353 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:119 Resp: 12964

Ion	Ratio	Lower	Upper
119	100		
91	67.6	0.0	138.0
134	24.5	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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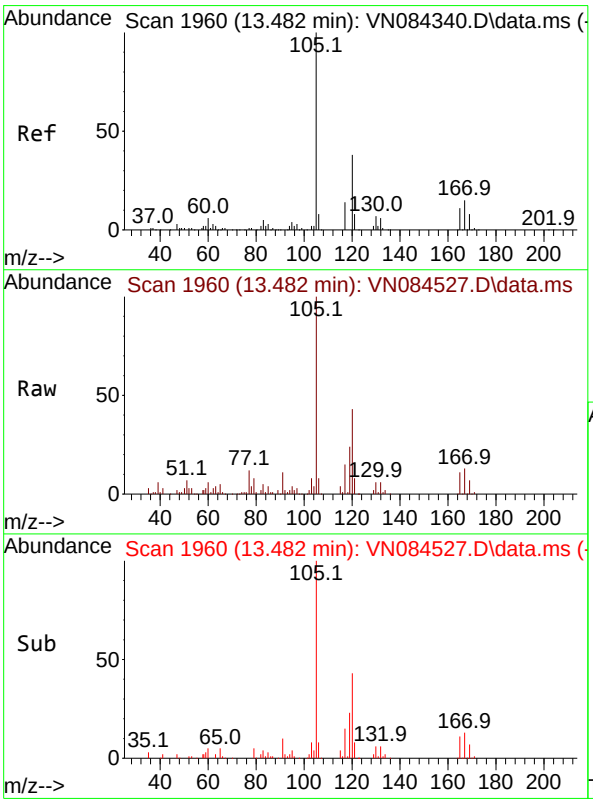
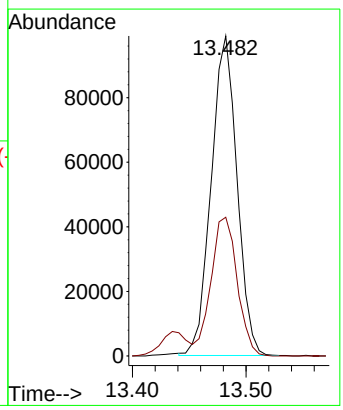
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

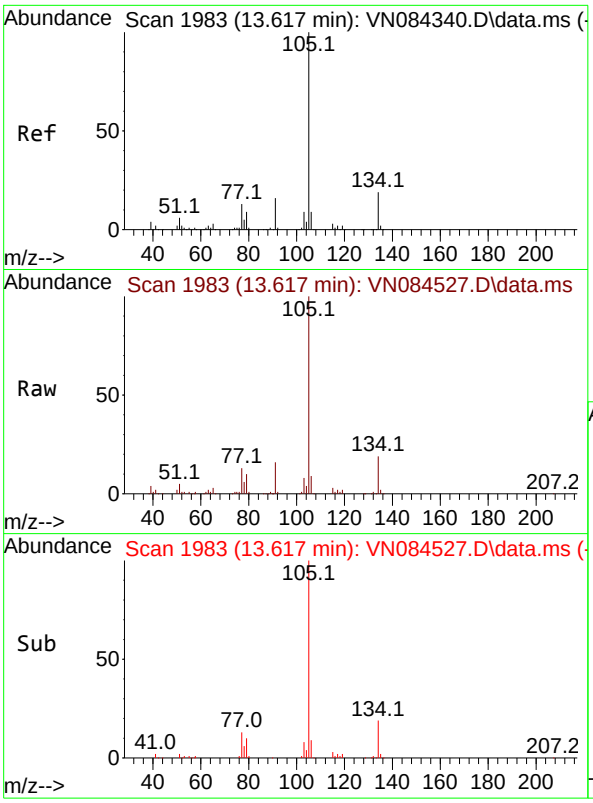


#80
1,2,4-Trimethylbenzene
Concen: 19.607 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 156217

Ion	Ratio	Lower	Upper
105	100		
120	44.2	0.0	88.8

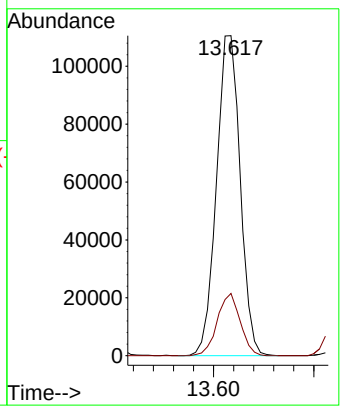




#81
sec-Butylbenzene
Concen: 19.652 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 18124

Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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Reviewed By :Semsettin Yesilyurt 10/28/2024
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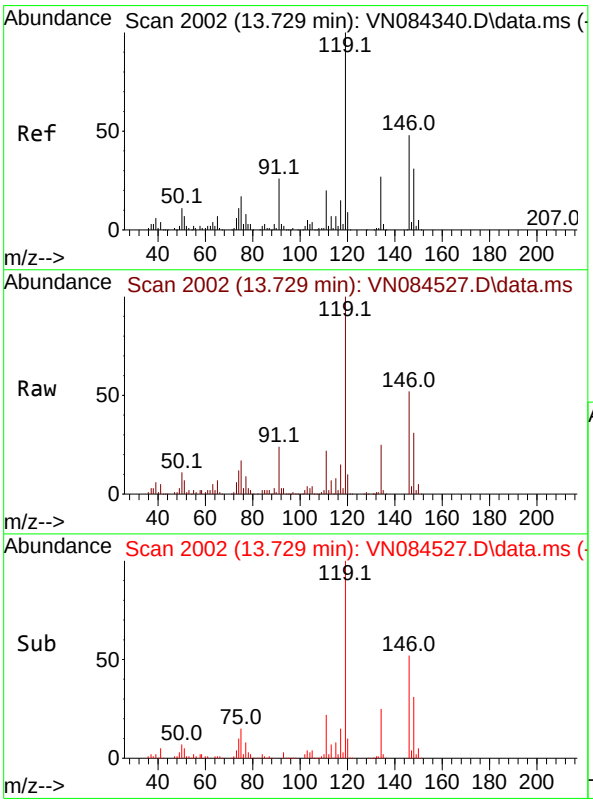
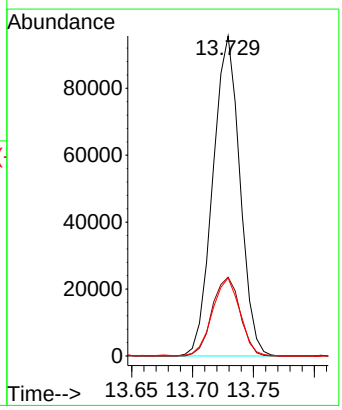
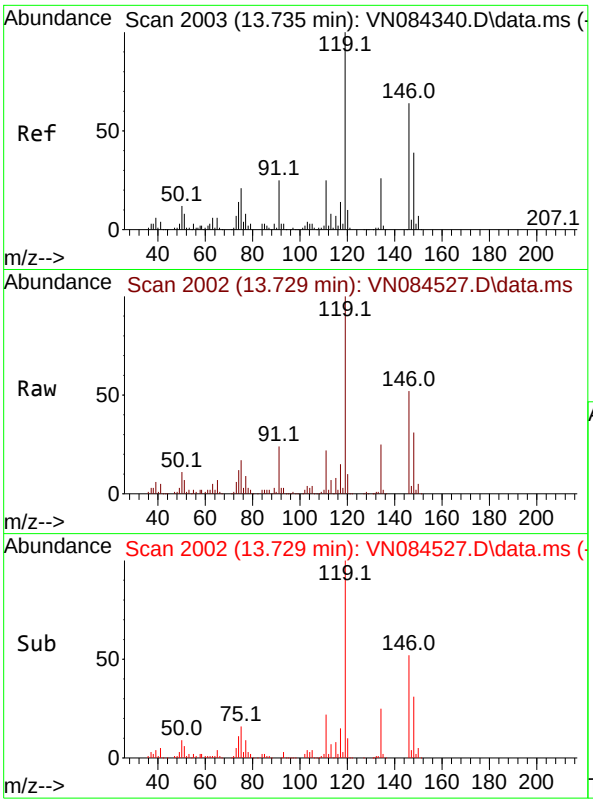


#82
p-Isopropyltoluene
Concen: 19.057 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:119 Resp: 147935

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	50.2
91	24.9	0.0	50.6

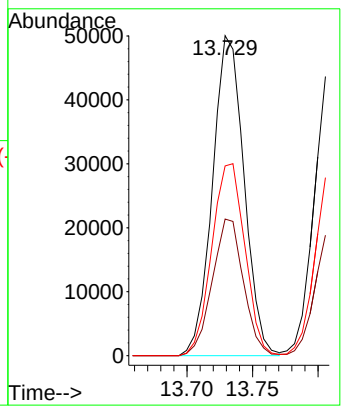




#83
1,3-Dichlorobenzene
Concen: 19.930 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:146 Resp: 8369

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.9
148	62.9	31.6	94.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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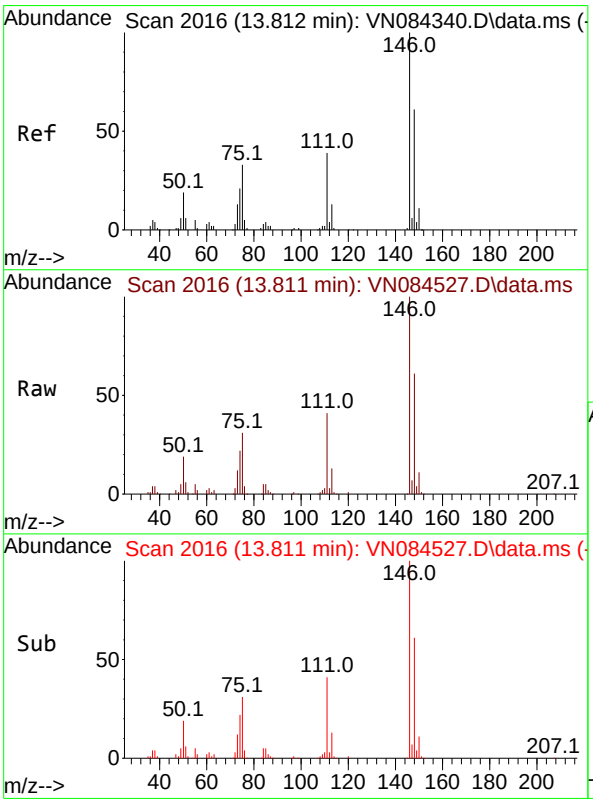
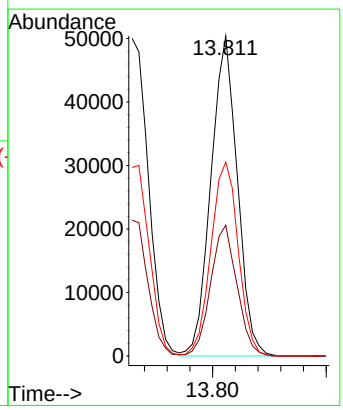
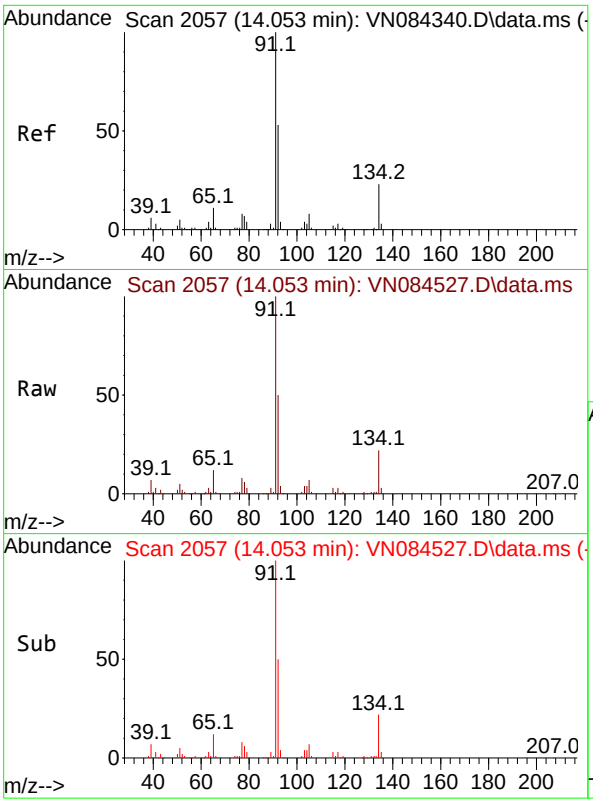


#84
1,4-Dichlorobenzene
Concen: 19.554 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:146 Resp: 81543

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	62.6	32.5	97.4

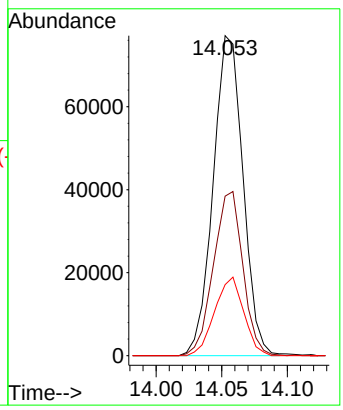




#85
n-Butylbenzene
Concen: 18.134 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 12192

Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	103.4
134	23.9	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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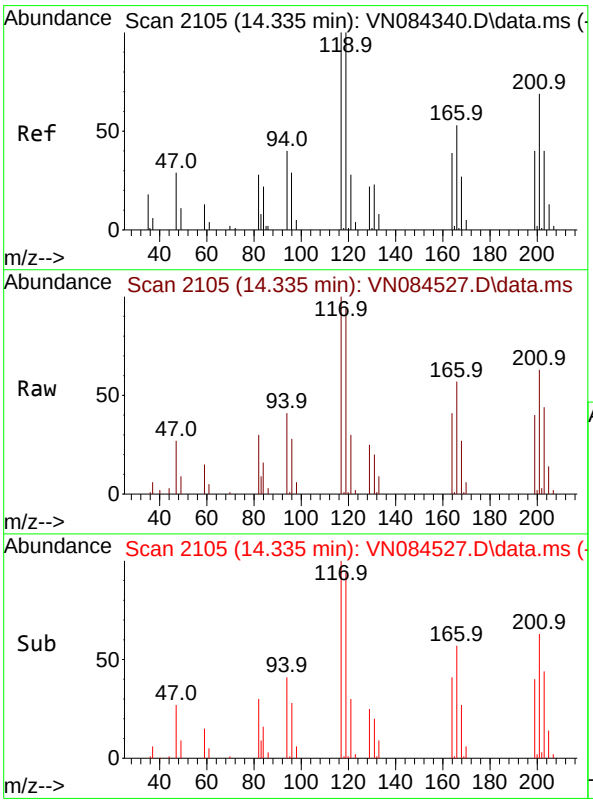
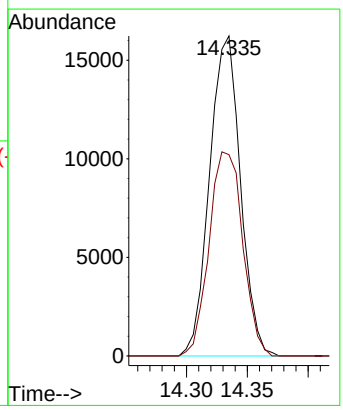
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

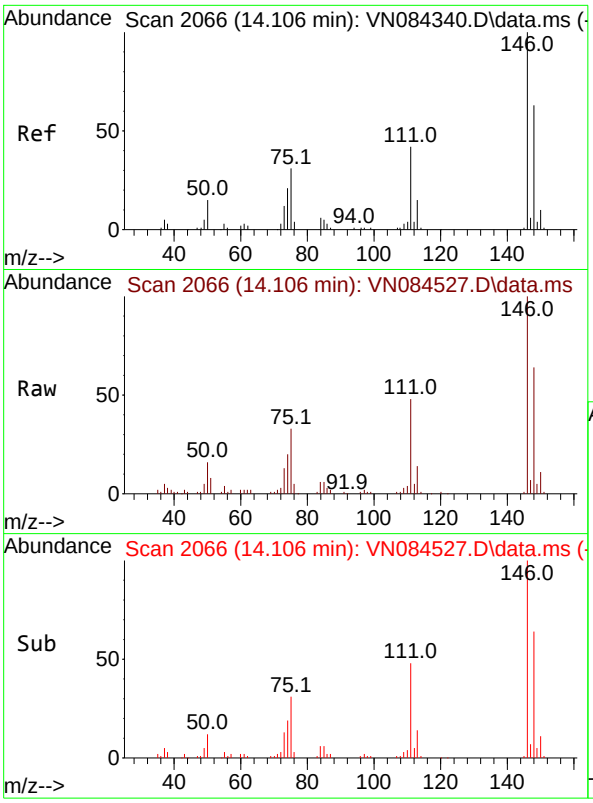


#86
Hexachloroethane
Concen: 19.155 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:117 Resp: 28649

Ion	Ratio	Lower	Upper
117	100		
201	69.3	33.9	101.6

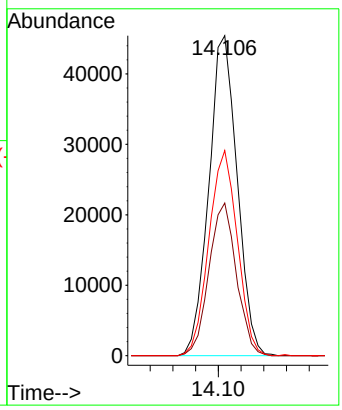




#87
1,2-Dichlorobenzene
Concen: 19.394 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:146 Resp: 7874

Ion	Ratio	Lower	Upper
146	100		
111	46.2	21.9	65.5
148	64.4	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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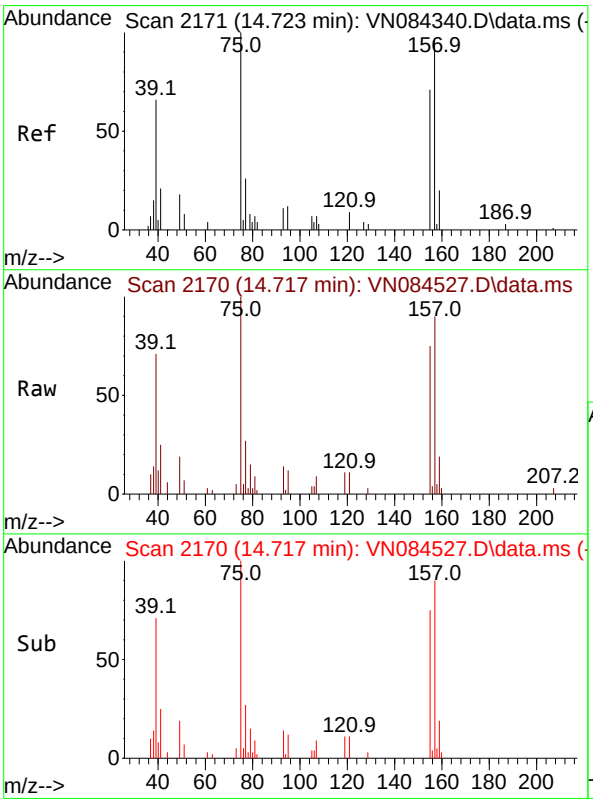
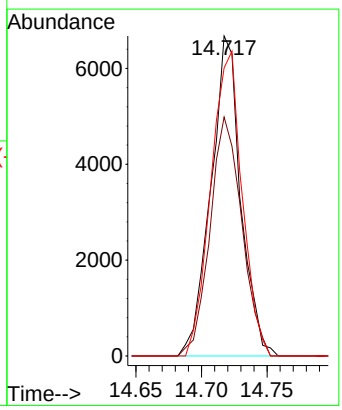
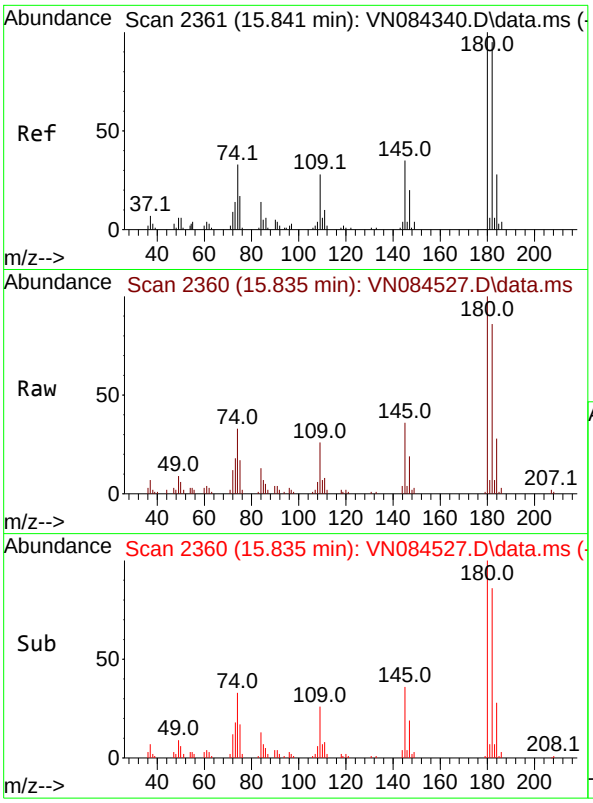


#88
1,2-Dibromo-3-Chloropropane
Concen: 17.925 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 10575

Ion	Ratio	Lower	Upper
75	100		
155	79.4	61.8	92.8
157	99.5	77.4	116.0

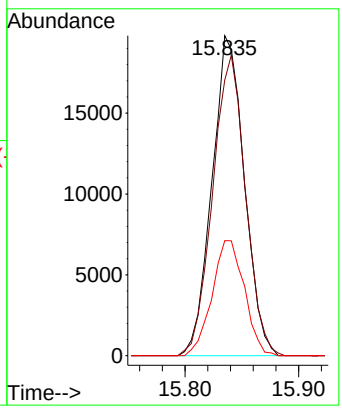




#89
1,2,4-Trichlorobenzene
Concen: 18.563 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:180 Resp: 3918

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.8	116.6
145	35.9	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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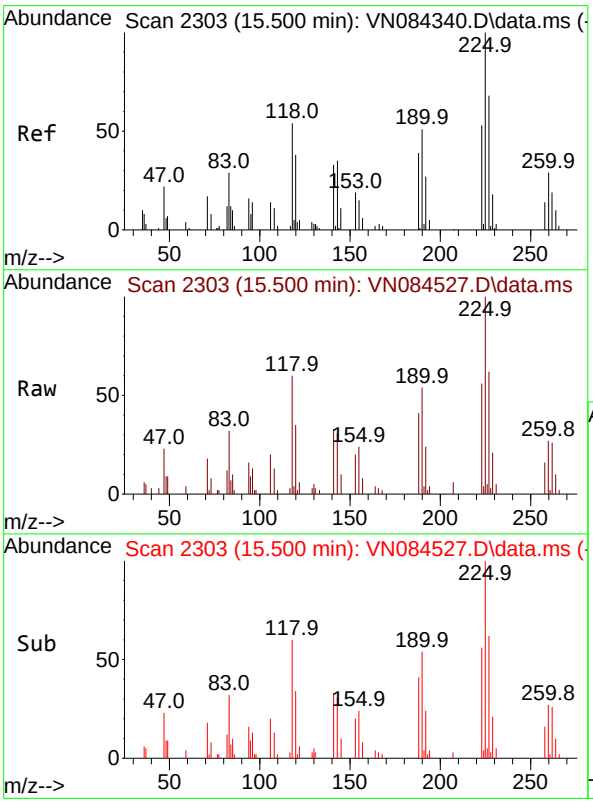
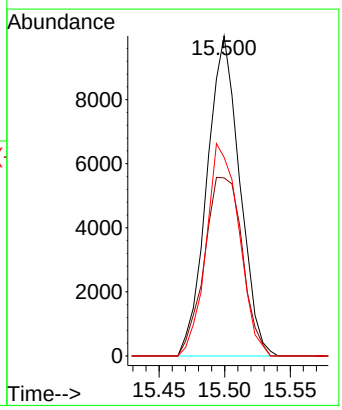
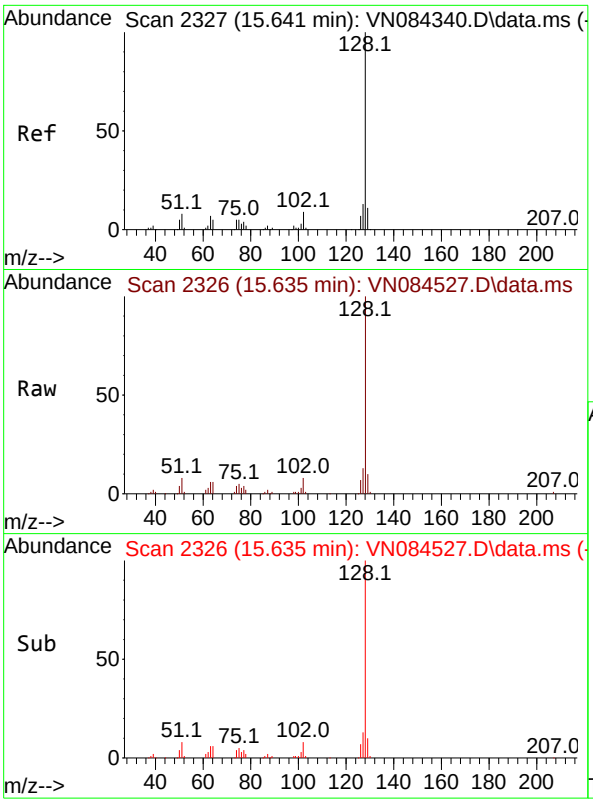


#90
Hexachlorobutadiene
Concen: 17.775 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:225 Resp: 17360

Ion	Ratio	Lower	Upper
225	100		
223	64.7	0.0	124.0
227	66.3	0.0	130.8

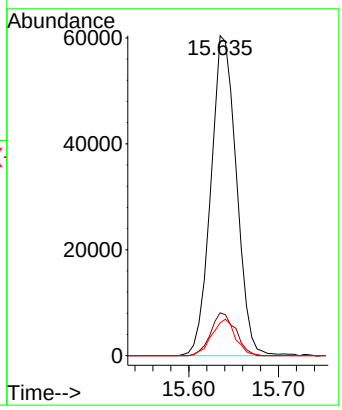




#91
Naphthalene
Concen: 16.671 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:128 Resp: 11926

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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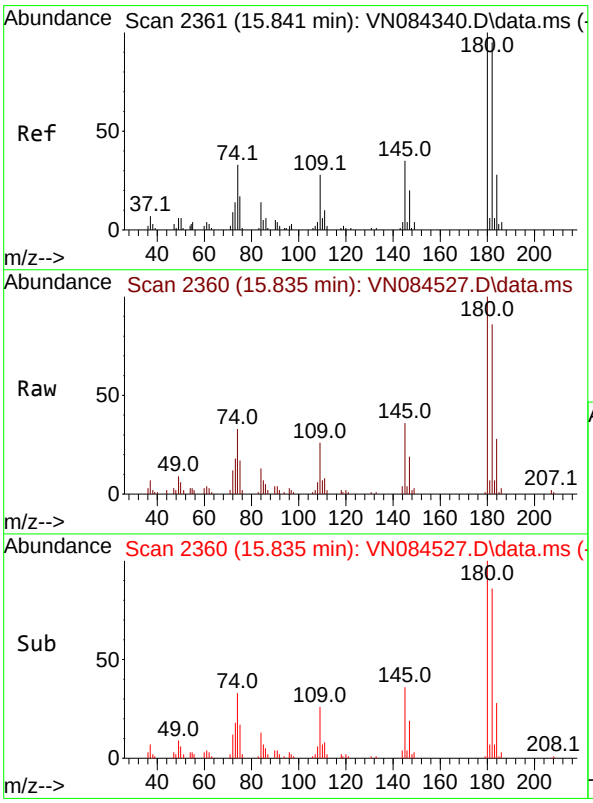
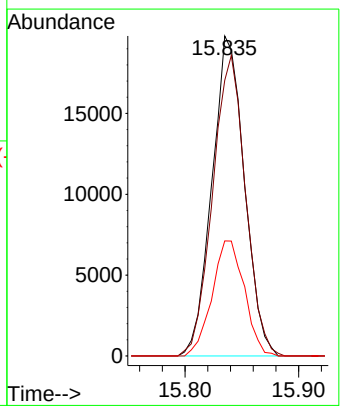


#92
1,2,3-Trichlorobenzene
Concen: 18.563 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:180 Resp: 39188

Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	194.4
145	35.9	0.0	72.2



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Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 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	Bromochloromethane	1.000	1.000	0.0	91	0.00
2	M	Dichlorodifluoromethane	1.832	1.694	7.5	80	0.00
3	M	Chloromethane	2.084	1.957	6.1	83	0.00
4	M	Vinyl Chloride	2.044	1.938	5.2	84	0.00
5	M	Bromomethane	1.354	1.250	7.7	80	0.00
6	M	Chloroethane	1.340	1.229	8.3	80	0.00
7	M	Trichlorofluoromethane	3.329	3.208	3.6	86	0.00
8	T	Diethyl Ether	1.224	1.128	7.8	83	0.00
9		1,1,2-Trichlorotrifluoroeth	1.872	1.881	-0.5	90	0.01
10	M	1,1-Dichloroethene	1.868	1.752	6.2	87	0.00
11		Methyl Iodide	2.455	2.276	7.3	84	0.00
12		Methyl Acetate	2.339	2.432	-4.0	97	0.00
13	M	Acrolein	0.434	0.424	2.3	96	0.00
14	M	Acrylonitrile	1.051	0.946	10.0	80	0.00
15	M	Acetone	0.300	0.258	14.0	82	0.01
16	M	Carbon Disulfide	5.562	4.811	13.5	77	0.00
17		Allyl chloride	3.028	2.655	12.3	78	0.00
18	M	Methylene Chloride	2.104	2.094	0.5	89	0.00
19	M	trans-1,2-Dichloroethene	1.977	1.851	6.4	84	0.00
20	T	Diisopropyl ether	6.510	6.458	0.8	88	0.00
21	M	1,1-Dichloroethane	3.736	3.694	1.1	88	0.00
22	M	cis-1,2-Dichloroethene	2.300	2.230	3.0	86	0.00
23	M	tert-Butyl Alcohol	0.403	0.344	14.6	78	0.00
24	M	Methyl tert-Butyl Ether	6.242	5.925	5.1	85	0.00
25	M	Chloroform	3.783	3.831	-1.3	89	0.00
26		Cyclohexane	3.124	2.829	9.4	78	0.00
27	s	1,2-Dichloroethane-d4	2.415	2.425	-0.4	89	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29		1,1-Dichloropropene	0.492	0.465	5.5	83	0.00
30	M	2-Butanone	0.262	0.236	9.9	81	0.00
31		2,2-Dichloropropane	0.579	0.448	22.6	69	0.00
32	M	1,1,1-Trichloroethane	0.629	0.624	0.8	85	0.00
33	M	Carbon Tetrachloride	0.545	0.538	1.3	87	0.00
34	M	Benzene	1.542	1.548	-0.4	88	0.00
35		Methacrylonitrile	0.280	0.248	11.4	80	0.00
36	M	1,2-Dichloroethane	0.514	0.521	-1.4	88	0.00
37	M	Trichloroethene	0.355	0.350	1.4	85	0.00
38		Methylcyclohexane	0.541	0.468	13.5	80	0.00
39	M	1,2-Dichloropropane	0.376	0.372	1.1	85	0.00
40		Dibromomethane	0.263	0.259	1.5	87	0.00
41	M	Bromodichloromethane	0.558	0.558	0.0	88	0.00
42	M	Vinyl Acetate	0.912	0.798	12.5	79	0.00
43		Ethyl Acetate	0.517	0.446	13.7	77	0.00
44		Isopropyl Acetate	0.846	0.815	3.7	86	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	87	0.00
46		Methyl methacrylate	0.409	0.376	8.1	82	0.00
47		n-amyl Acetate	0.753	0.689	8.5	82	0.00
48	M	t-1,3-Dichloropropene	0.576	0.526	8.7	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 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	cis-1,3-Dichloropropene	0.604	0.571	5.5	82	0.00
50	M	1,1,2-Trichloroethane	0.353	0.360	-2.0	90	0.00
51		Ethyl methacrylate	0.583	0.546	6.3	84	0.00
52		1,3-Dichloropropane	0.617	0.600	2.8	85	0.00
53	M	Dibromochloromethane	0.417	0.423	-1.4	90	0.00
54	M	1,2-Dibromoethane	0.364	0.350	3.8	84	0.00
55	M	2-Chloroethyl vinyl ether	0.265	0.256	3.4	90	0.00
56	M	Bromoform	0.277	0.264	4.7	88	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58	M	4-Methyl-2-Pentanone	0.559	0.534	4.5	83	0.00
59	M	2-Hexanone	0.415	0.386	7.0	82	0.00
60	S	4-Bromofluorobenzene	0.495	0.489	1.2	87	0.00
61	M	Tetrachloroethene	0.339	0.351	-3.5	89	0.00
62	M	Toluene	1.756	1.770	-0.8	88	0.00
63	S	Toluene-d8	1.390	1.397	-0.5	87	0.00
64	M	Chlorobenzene	1.093	1.081	1.1	87	0.00
65		1,1,1,2-Tetrachloroethane	0.380	0.388	-2.1	88	0.00
66	M	Ethyl Benzene	1.908	1.839	3.6	85	0.00
67	M	m/p-Xylenes	0.724	0.719	0.7	86	0.00
68	M	o-Xylene	0.698	0.686	1.7	86	0.00
69	M	Styrene	1.198	1.171	2.3	86	0.00
70		Isopropylbenzene	1.781	1.714	3.8	84	0.00
71	M	1,1,2,2-Tetrachloroethane	0.551	0.548	0.5	87	0.00
72		1,2,3-Trichloropropane	0.472	0.515	-9.1	96	0.00
73		Bromobenzene	0.431	0.443	-2.8	90	0.00
74		n-propylbenzene	2.123	2.063	2.8	85	0.00
75		2-Chlorotoluene	1.319	1.315	0.3	87	0.00
76		1,3,5-Trimethylbenzene	1.500	1.512	-0.8	89	0.00
77		t-1,4-Dichloro-2-butene	0.202	0.163	19.3	76	0.00
78		4-Chlorotoluene	1.341	1.316	1.9	87	0.00
79		tert-butylbenzene	1.279	1.238	3.2	86	0.00
80		1,2,4-Trimethylbenzene	1.522	1.492	2.0	86	0.00
81		sec-Butylbenzene	1.762	1.731	1.8	86	0.00
82		p-Isopropyltoluene	1.483	1.413	4.7	85	0.00
83	M	1,3-Dichlorobenzene	0.802	0.799	0.4	88	0.00
84	M	1,4-Dichlorobenzene	0.796	0.779	2.1	89	0.00
85		n-Butylbenzene	1.284	1.164	9.3	85	0.00
86	T	Hexachloroethane	0.286	0.274	4.2	85	0.00
87	M	1,2-Dichlorobenzene	0.775	0.752	3.0	87	0.00
88		1,2-Dibromo-3-Chloropropane	0.113	0.101	10.6	80	0.00
89		1,2,4-Trichlorobenzene	0.403	0.374	7.2	85	0.00
90		Hexachlorobutadiene	0.187	0.166	11.2	83	0.00
91	M	Naphthalene	1.366	1.139	16.6	77	0.00
92		1,2,3-Trichlorobenzene	0.403	0.374	7.2	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

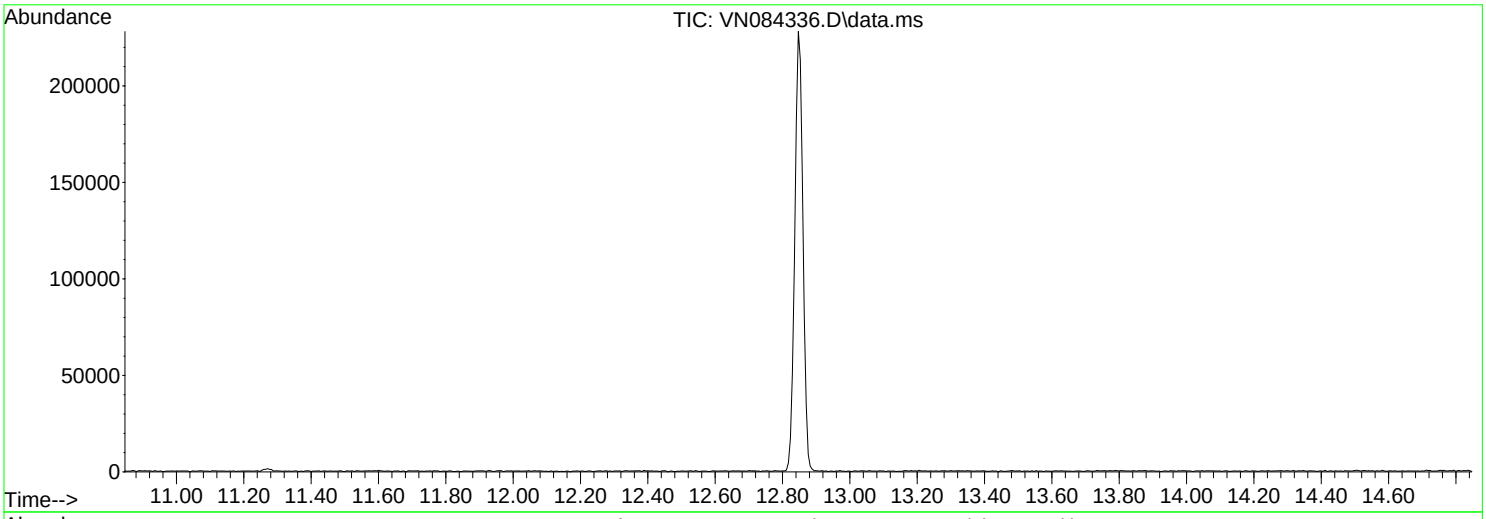
QC SAMPLE DATA

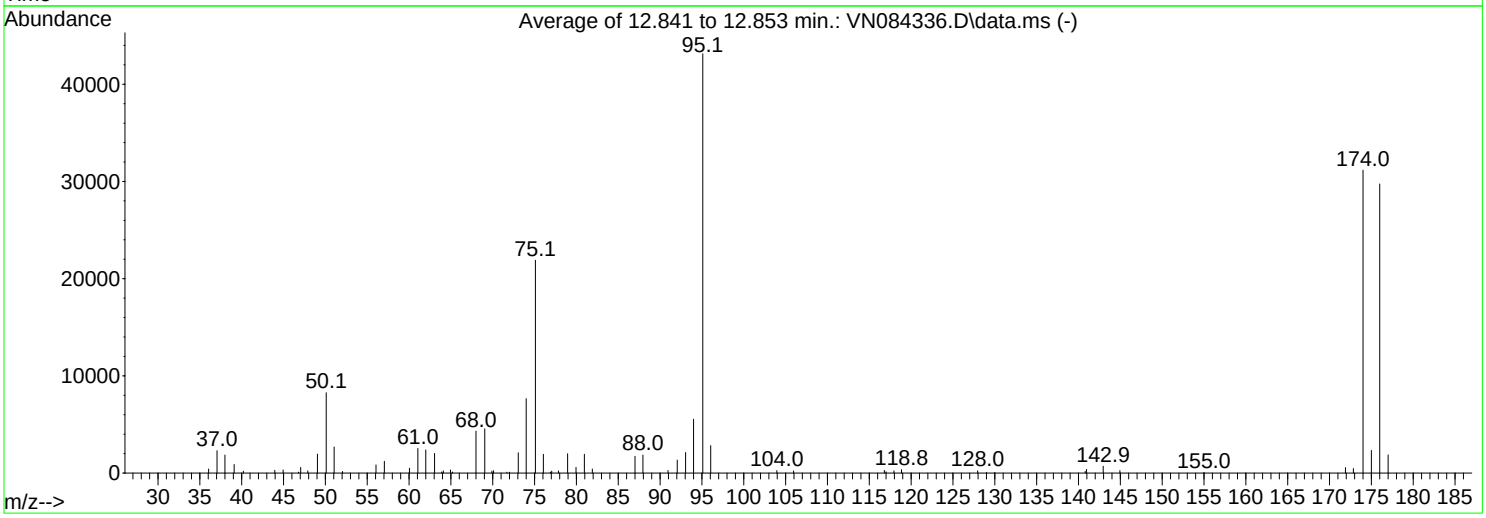
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084336.D
Acq On : 08 Oct 2024 09:08
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Oct 09 02:22:28 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

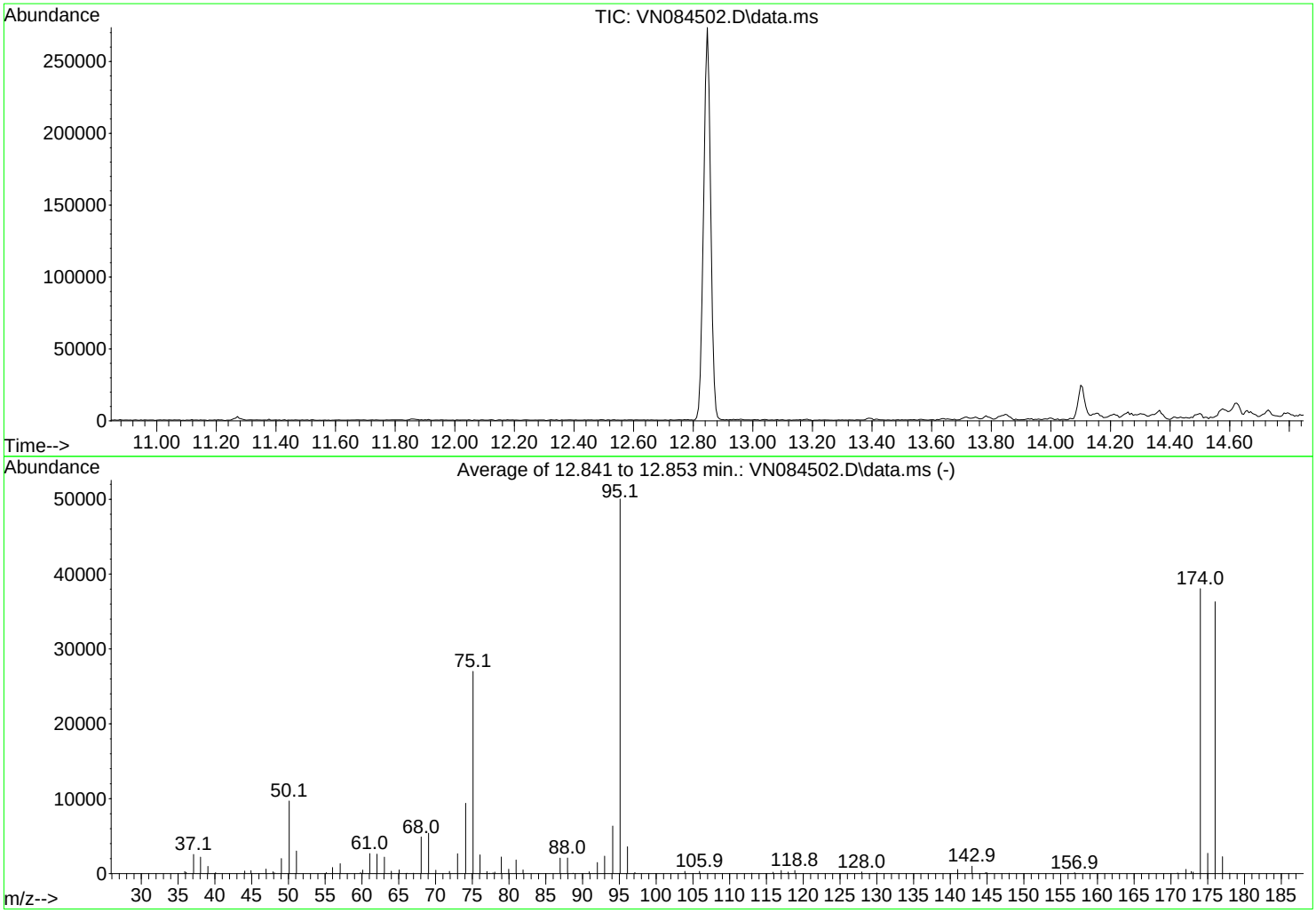
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	8273	PASS
75	95	30	60	50.8	21899	PASS
95	95	100	100	100.0	43144	PASS
96	95	5	9	6.5	2825	PASS
173	174	0.00	2	1.5	464	PASS
174	95	50	100	72.2	31163	PASS
175	174	5	9	7.5	2328	PASS
176	174	95	101	95.4	29744	PASS
177	176	5	9	6.3	1873	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084502.D
Acq On : 25 Oct 2024 08:21
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\82N093024W.M
Title : SW846 8260
Last Update : Tue Oct 01 07:11:01 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	19.4	9707	PASS
75	95	30	60	54.0	27013	PASS
95	95	100	100	100.0	50032	PASS
96	95	5	9	7.2	3591	PASS
173	174	0.00	2	0.7	282	PASS
174	95	50	100	76.0	38048	PASS
175	174	5	9	7.1	2716	PASS
176	174	95	101	95.4	36315	PASS
177	176	5	9	6.2	2254	PASS

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBL01	SDG No.:	P4549
Lab Sample ID:	VN1025WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084507.D	1		10/25/24 11:27	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
107-02-8	Acrolein	9.30	U	9.30	25.0	ug/L
107-13-1	Acrylonitrile	3.70	U	3.70	25.0	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	1.10	U	1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.75	U	0.75	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBL01	SDG No.:	P4549
Lab Sample ID:	VN1025WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084507.D	1		10/25/24 11:27	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.70	U	0.70	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.91	U	0.91	5.00	ug/L
67-72-1	Hexachloroethane	0.91	U	0.91	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	1.70	U	1.70	5.00	ug/L
108-86-1	Bromobenzene	0.69	U	0.69	5.00	ug/L
103-65-1	n-propylbenzene	0.80	U	0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	0.81	U	0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	0.82	U	0.82	5.00	ug/L
98-06-6	tert-butylbenzene	0.77	U	0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.83	U	0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	0.77	U	0.77	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBL01	SDG No.:	P4549
Lab Sample ID:	VN1025WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084507.D	1		10/25/24 11:27	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.82	U	0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
104-51-8	n-Butylbenzene	0.86	U	0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.40	U	1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
74-88-4	Methyl Iodide	0.94	U	0.94	5.00	ug/L
80-62-6	Methyl methacrylate	1.00	U	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	26.2		63 - 112	87%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	32300	7.812			
540-36-3	1,4-Difluorobenzene	175000	9.1			
3114-55-4	Chlorobenzene-d5	150000	11.865			

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\VN102524\
Data File : VN084507.D
Acq On : 25 Oct 2024 11:27
Operator : JC\MD
Sample : VN1025WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

Quant Time: Oct 26 05:28:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

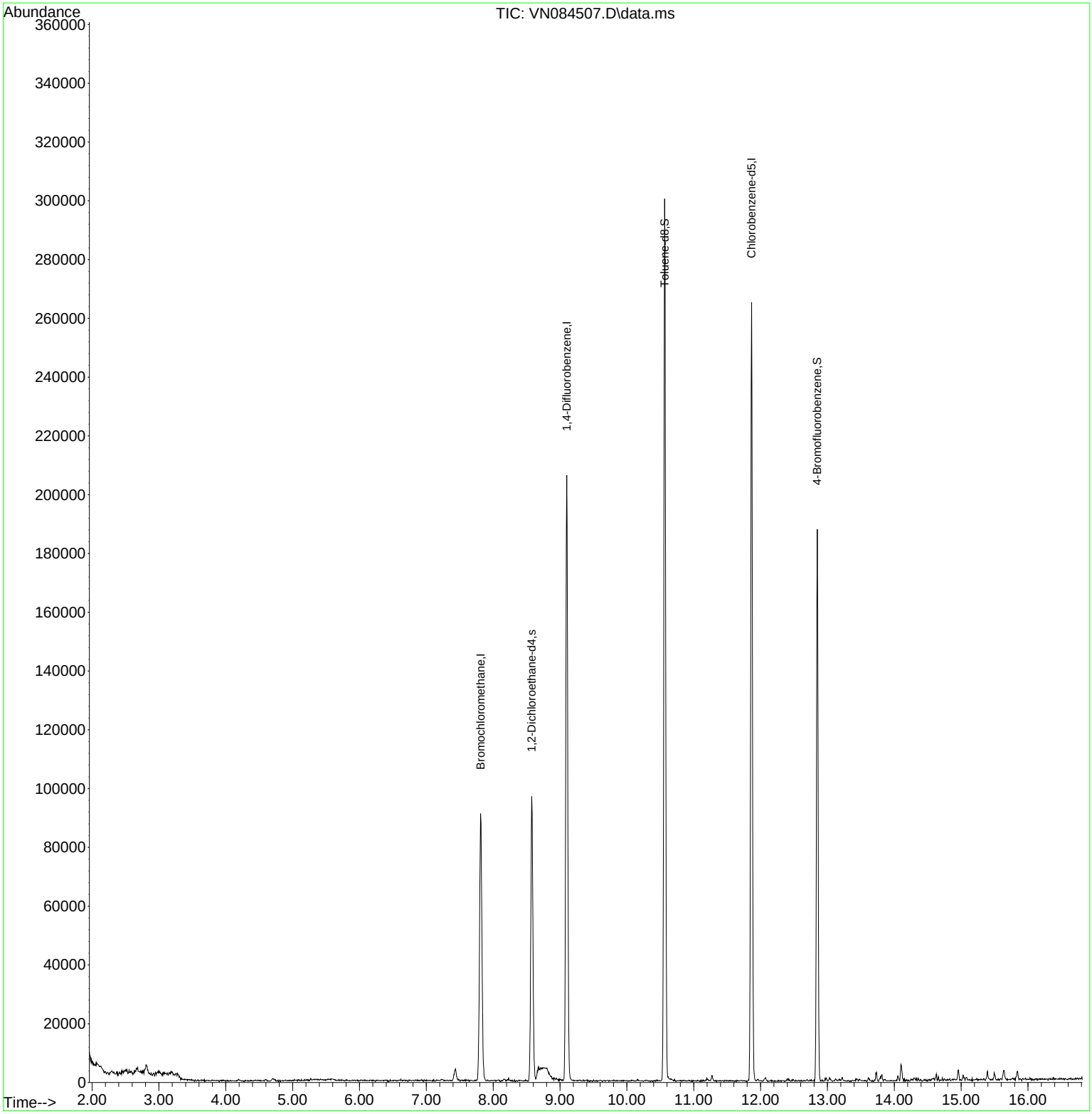
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	32302	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175246	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	150285	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77974	29.983	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.933%			
60) 4-Bromofluorobenzene	12.847	95	65032	26.219	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 87.400%			
63) Toluene-d8	10.565	98	209499	30.091	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.300%			
Target Compounds						Qvalue

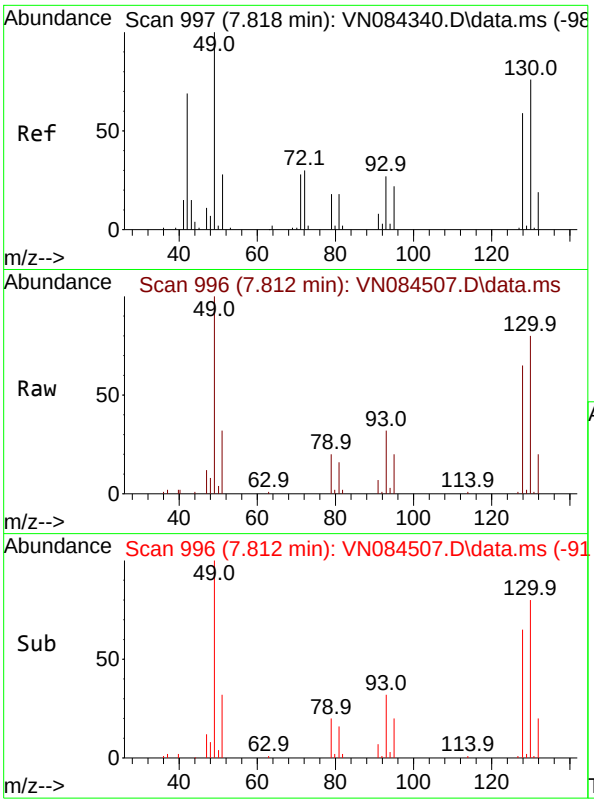
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084507.D
Acq On : 25 Oct 2024 11:27
Operator : JC\MD
Sample : VN1025WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

Quant Time: Oct 26 05:28:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



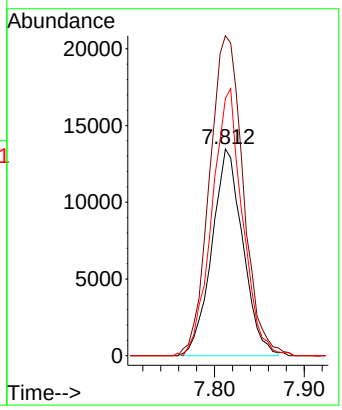


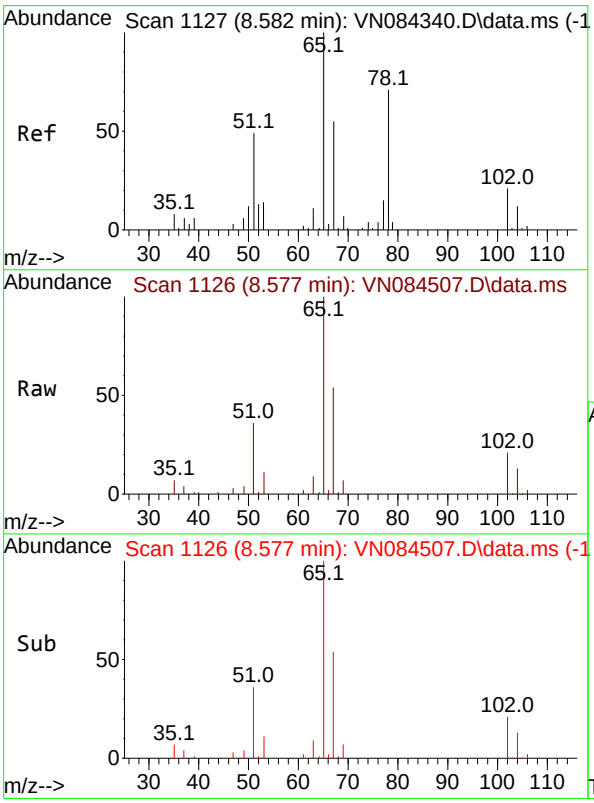
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

Tgt Ion:128 Resp: 32302

Ion	Ratio	Lower	Upper
128	100		
49	168.1	0.0	430.0
130	127.3	0.0	329.8

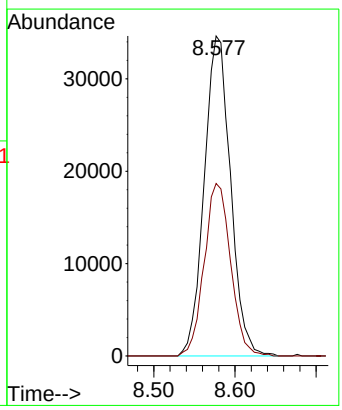


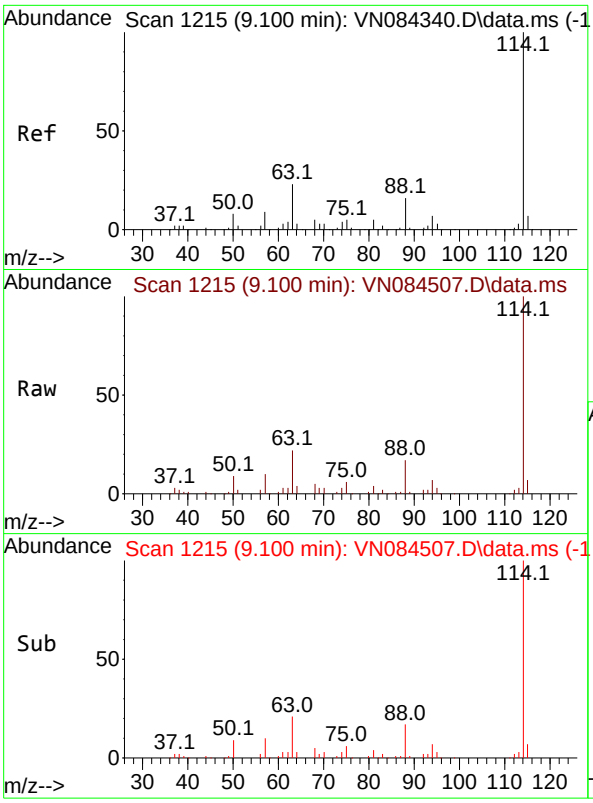


#27
1,2-Dichloroethane-d4
Concen: 29.983 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 65 Resp: 77974

Ion	Ratio	Lower	Upper
65	100		
67	54.1	41.5	62.3



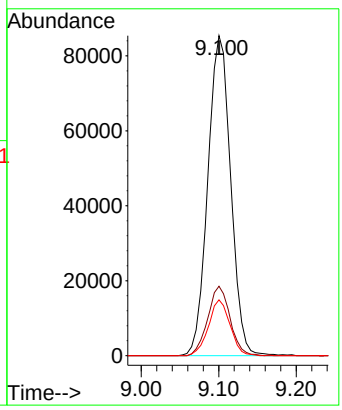


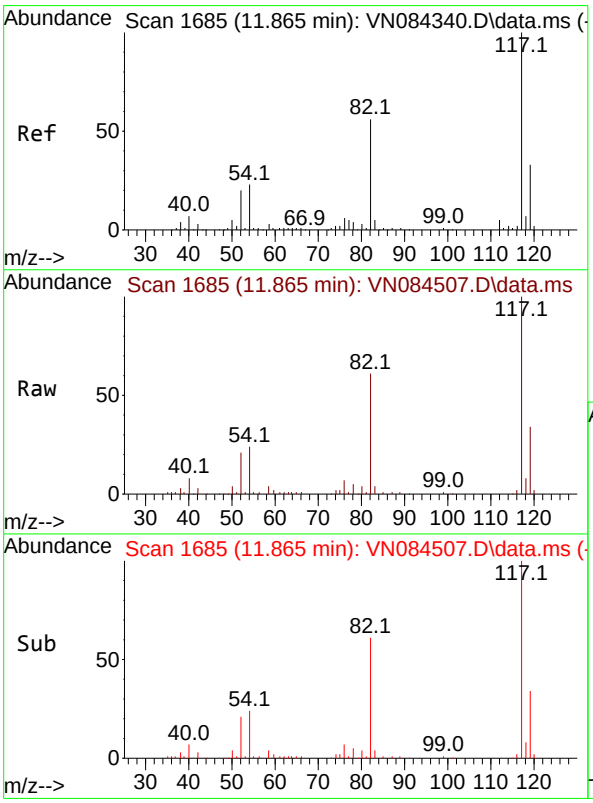
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

Tgt Ion:114 Resp: 175246

Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.4	26.0
88	16.4	13.2	19.8

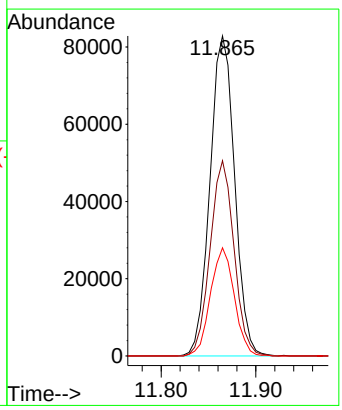


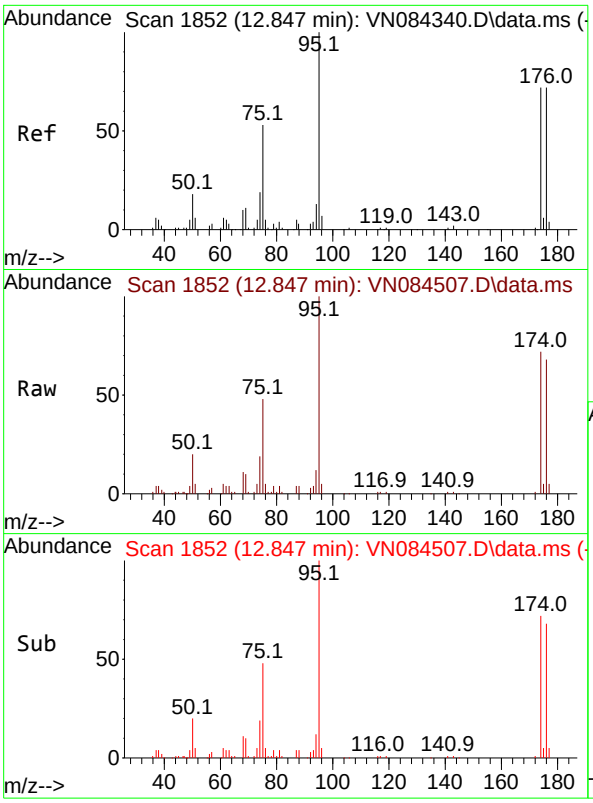


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion:117 Resp: 150285

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.2	69.4
119	32.6	25.4	38.2



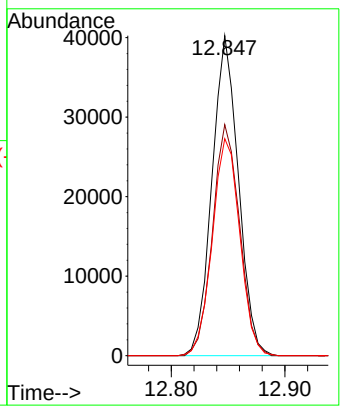


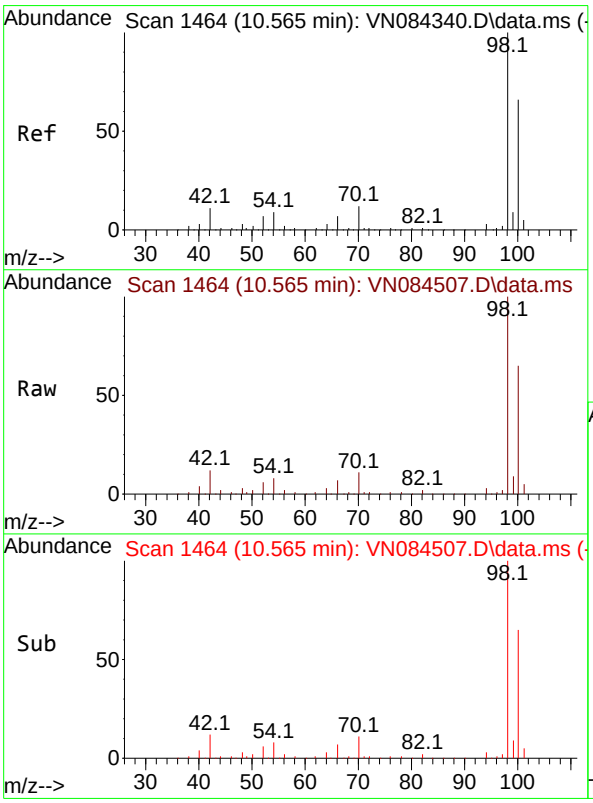
#60
4-Bromofluorobenzene
Concen: 26.219 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

Tgt Ion: 95 Resp: 65032

Ion	Ratio	Lower	Upper
95	100		
174	73.9	58.2	87.2
176	70.7	56.4	84.6

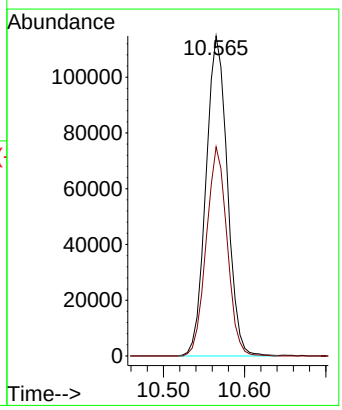




#63
Toluene-d8
Concen: 30.091 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 98 Resp: 209499

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.5	78.7



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBS01	SDG No.:	P4549
Lab Sample ID:	VN1025WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084505.D	1		10/25/24 10:40	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.5		1.20	5.00	ug/L
74-87-3	Chloromethane	17.5		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	18.2		1.20	5.00	ug/L
74-83-9	Bromomethane	17.5		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		1.10	5.00	ug/L
107-02-8	Acrolein	99.2		9.30	25.0	ug/L
107-13-1	Acrylonitrile	89.2		3.70	25.0	ug/L
67-64-1	Acetone	110		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	16.5		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	18.8		0.83	5.00	ug/L
79-20-9	Methyl Acetate	21.2		1.20	5.00	ug/L
75-09-2	Methylene Chloride	19.0		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.8		0.81	5.00	ug/L
110-82-7	Cyclohexane	17.5		1.00	5.00	ug/L
78-93-3	2-Butanone	95.6		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	19.4		1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.90	5.00	ug/L
67-66-3	Chloroform	19.4		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	17.4		0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	17.8		0.75	5.00	ug/L
71-43-2	Benzene	18.2		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.75	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.65	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBS01	SDG No.:	P4549
Lab Sample ID:	VN1025WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084505.D	1		10/25/24 10:40	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	18.4		0.70	5.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.6		4.20	25.0	ug/L
108-88-3	Toluene	18.8		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.8		0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.1		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	18.7		0.68	5.00	ug/L
591-78-6	2-Hexanone	94.4		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	18.9		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.94	5.00	ug/L
108-90-7	Chlorobenzene	18.5		0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.3		0.91	5.00	ug/L
67-72-1	Hexachloroethane	18.3		0.91	5.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	37.6		1.70	10.0	ug/L
95-47-6	o-Xylene	18.4		0.82	5.00	ug/L
100-42-5	Styrene	18.8		0.80	5.00	ug/L
75-25-2	Bromoform	17.9		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.0		1.70	5.00	ug/L
108-86-1	Bromobenzene	19.1		0.69	5.00	ug/L
103-65-1	n-propylbenzene	19.0		0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	19.0		0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.1		0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	18.8		0.82	5.00	ug/L
98-06-6	tert-butylbenzene	19.2		0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.0		0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	19.0		0.77	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBS01	SDG No.:	P4549
Lab Sample ID:	VN1025WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084505.D	1		10/25/24 10:40	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	18.6		0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.95	5.00	ug/L
104-51-8	n-Butylbenzene	18.4		0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.1		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.9		1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	18.5		1.10	5.00	ug/L
91-20-3	Naphthalene	16.8		1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		1.40	5.00	ug/L
74-88-4	Methyl Iodide	17.8		0.94	5.00	ug/L
80-62-6	Methyl methacrylate	17.2		1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.3		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.6		63 - 112	102%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	35000	7.812			
540-36-3	1,4-Difluorobenzene	196000	9.1			
3114-55-4	Chlorobenzene-d5	178000	11.865			

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\VN102524\
Data File : VN084505.D
Acq On : 25 Oct 2024 10:40
Operator : JC\MD
Sample : VN1025WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:25:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	35006	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	196424	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	178483	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	85431	30.313	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%				
60) 4-Bromofluorobenzene	12.847	95	90213	30.625	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.100%				
63) Toluene-d8	10.565	98	247087	29.883	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	37425	17.511	ug/l		96
3) Chloromethane	2.359	50	42455	17.456	ug/l		98
4) Vinyl Chloride	2.512	62	43498	18.237	ug/l		99
5) Bromomethane	2.965	94	27594	17.462	ug/l		95
6) Chloroethane	3.124	64	28969	18.527	ug/l		89
7) Trichlorofluoromethane	3.501	101	72738	18.723	ug/l		97
8) Diethyl Ether	3.965	74	26272	18.393	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	43494	19.911	ug/l		95
10) 1,1-Dichloroethene	4.342	96	40269	18.475	ug/l		93
11) Methyl Iodide	4.583	142	51000	17.805	ug/l		99
12) Methyl Acetate	5.024	43	57902	21.219	ug/l		95
13) Acrolein	4.177	56	50260	99.152	ug/l		98
14) Acrylonitrile	5.724	53	109397	89.236	ug/l		96
15) Acetone	4.424	58	39266	112.125	ug/l		88
16) Carbon Disulfide	4.706	76	107167	16.511	ug/l		98
17) Allyl chloride	5.018	41	62267	17.623	ug/l		93
18) Methylene Chloride	5.271	84	46706	19.022	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	41066	17.802	ug/l		94
20) Diisopropyl ether	6.671	45	146499	19.284	ug/l		96
21) 1,1-Dichloroethane	6.571	63	82163	18.849	ug/l		96
22) cis-1,2-Dichloroethene	7.483	96	49779	18.544	ug/l		98
23) tert-Butyl Alcohol	5.518	59	40923	87.026	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	136638	18.758	ug/l	#	84
25) Chloroform	7.965	83	85704	19.413	ug/l		99
26) Cyclohexane	8.259	56	63628	17.453	ug/l	#	94
29) 1,1-Dichloropropene	8.371	75	57539	17.845	ug/l		98
30) 2-Butanone	7.483	43	164064	95.566	ug/l		99
31) 2,2-Dichloropropane	7.489	77	73609	19.426	ug/l	#	81
32) 1,1,1-Trichloroethane	8.171	97	74667	18.116	ug/l		96
33) Carbon Tetrachloride	8.359	117	66737	18.691	ug/l		98
34) Benzene	8.606	78	183430	18.173	ug/l	#	94
35) Methacrylonitrile	7.777	41	33276	18.169	ug/l		98
36) 1,2-Dichloroethane	8.665	62	63174	18.777	ug/l		99
37) Trichloroethene	9.353	130	43004	18.502	ug/l		91
38) Methylcyclohexane	9.600	83	61561	17.381	ug/l		99
39) 1,2-Dichloropropane	9.618	63	45243	18.381	ug/l		95
40) Dibromomethane	9.706	93	31615	18.378	ug/l		98
41) Bromodichloromethane	9.883	83	69934	19.150	ug/l	#	95
42) Vinyl Acetate	6.600	43	524167	87.789	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084505.D
Acq On : 25 Oct 2024 10:40
Operator : JC\MD
Sample : VN1025WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:25:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	53166	15.702 ug/l #	92
44) Isopropyl Acetate	8.688	43	121028	21.839 ug/l	90
45) 1,4-Dioxane	9.694	88	17805	356.411 ug/l	96
46) Methyl methacrylate	9.677	41	46112	17.222 ug/l	95
47) n-amyl Acetate	12.494	43	86813	17.612 ug/l	100
48) t-1,3-Dichloropropene	10.835	75	67004	17.755 ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	71632	18.112 ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	43132	18.654 ug/l	96
51) Ethyl methacrylate	10.871	69	67198	17.595 ug/l	98
52) 1,3-Dichloropropane	11.159	76	75556	18.688 ug/l	98
53) Dibromochloromethane	11.359	129	51619	18.898 ug/l	99
54) 1,2-Dibromoethane	11.465	107	42803	17.984 ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	153339	88.521 ug/l	99
56) Bromoform	12.576	173	32397	17.883 ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	307964	92.625 ug/l	99
59) 2-Hexanone	11.194	43	233137	94.363 ug/l	100
61) Tetrachloroethene	11.100	164	38956	19.296 ug/l	96
62) Toluene	10.630	91	196630	18.818 ug/l	99
64) Chlorobenzene	11.888	112	120580	18.545 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	43584	19.294 ug/l	97
66) Ethyl Benzene	11.965	91	210798	18.569 ug/l	96
67) m/p-Xylenes	12.071	106	162032	37.626 ug/l	99
68) o-Xylene	12.400	106	76484	18.426 ug/l	98
69) Styrene	12.412	104	133735	18.768 ug/l	98
70) Isopropylbenzene	12.694	105	200837	18.952 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	61873	18.874 ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	50617m	18.029 ug/l	
73) Bromobenzene	12.976	156	48953	19.075 ug/l	98
74) n-propylbenzene	13.035	91	239983	19.004 ug/l	100
75) 2-Chlorotoluene	13.123	91	149369	19.035 ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	170711	19.133 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	21547	17.960 ug/l	98
78) 4-Chlorotoluene	13.218	91	150297	18.839 ug/l	99
79) tert-butylbenzene	13.435	119	145820	19.156 ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	171754	18.972 ug/l	98
81) sec-Butylbenzene	13.612	105	198811	18.971 ug/l	98
82) p-Isopropyltoluene	13.729	119	164354	18.632 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	90986	19.067 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	89542	18.896 ug/l	99
85) n-Butylbenzene	14.053	91	140914	18.444 ug/l	100
86) Hexachloroethane	14.329	117	31139	18.323 ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	87916	19.055 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12838	19.150 ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	42844	17.861 ug/l	98
90) Hexachlorobutadiene	15.494	225	20560	18.527 ug/l	98
91) Naphthalene	15.641	128	136862	16.837 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	42844	17.861 ug/l	98

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

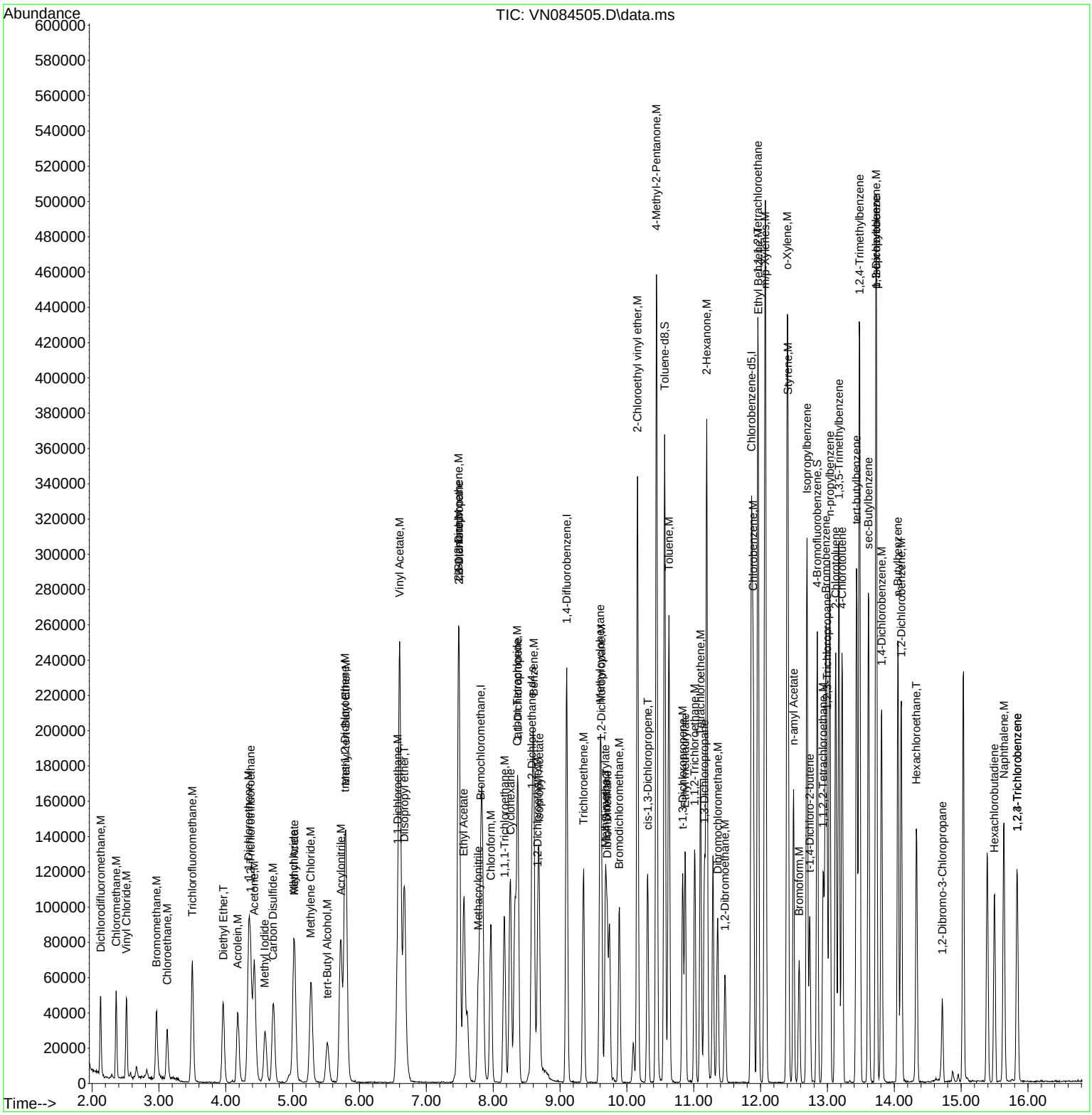
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084505.D
Acq On : 25 Oct 2024 10:40
Operator : JC\MD
Sample : VN1025WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

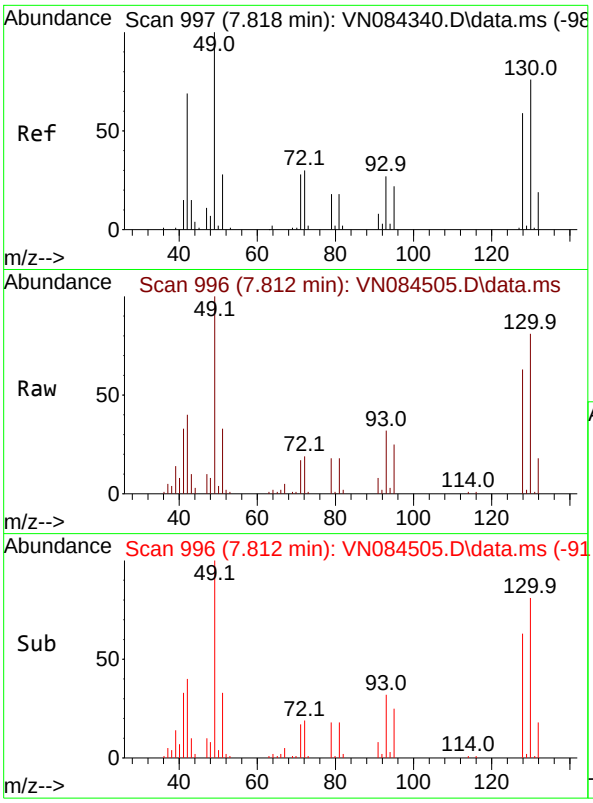
Quant Time: Oct 26 05:25:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

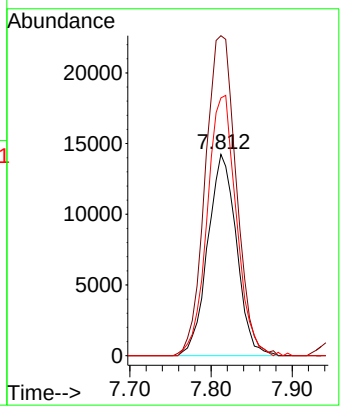




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:128 Resp: 3500

Ion	Ratio	Lower	Upper
128	100		
49	171.3	0.0	430.0
130	131.3	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
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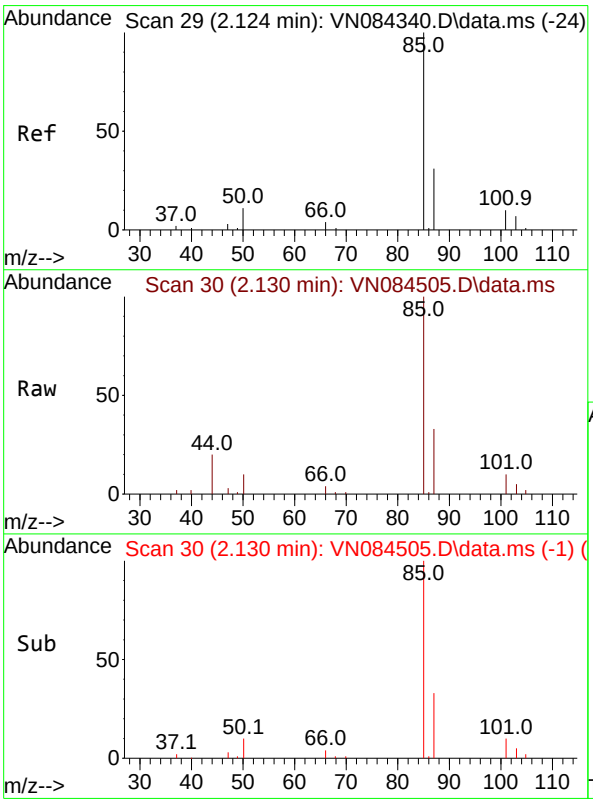
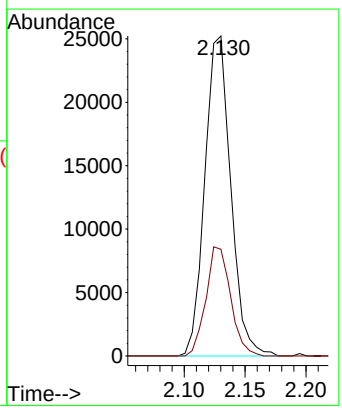
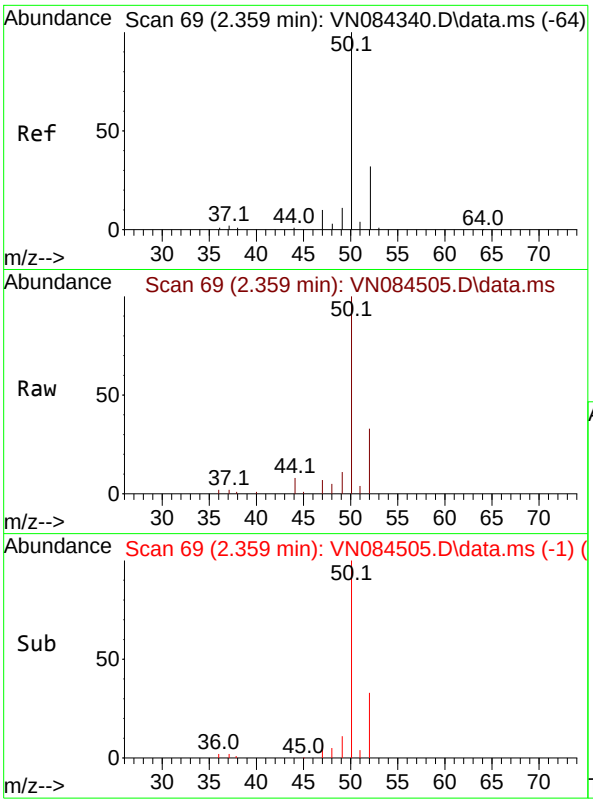


#2
Dichlorodifluoromethane
Concen: 17.511 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 85 Resp: 37425

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.4	46.4

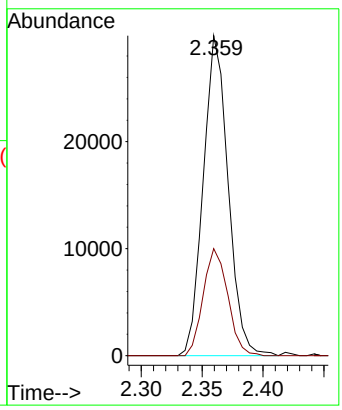




#3
Chloromethane
Concen: 17.456 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 50 Resp: 4245

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2024
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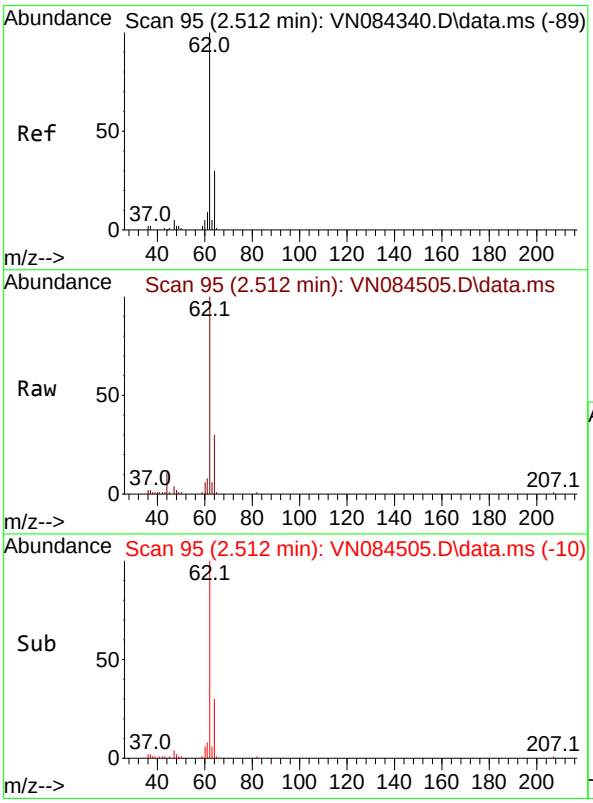
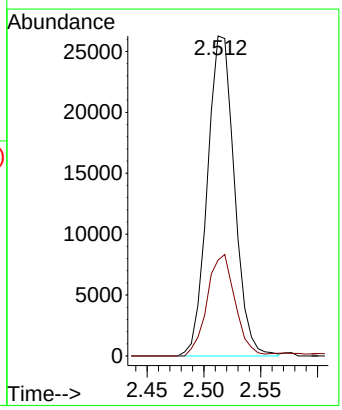
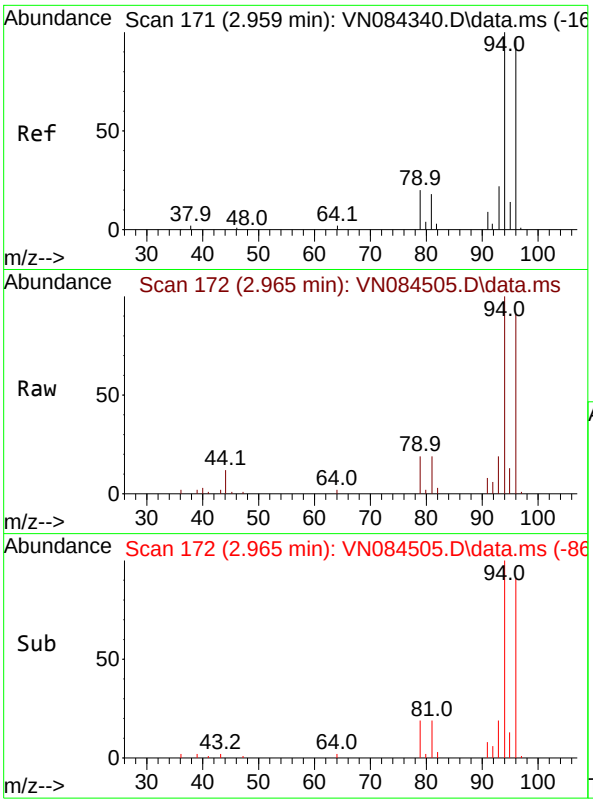


#4
Vinyl Chloride
Concen: 18.237 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 62 Resp: 43498

Ion	Ratio	Lower	Upper
62	100		
64	29.9	24.3	36.5

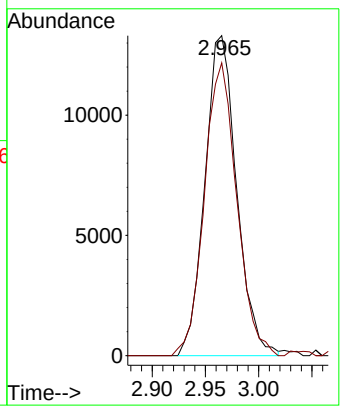




#5
Bromomethane
Concen: 17.462 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 94 Resp: 2759

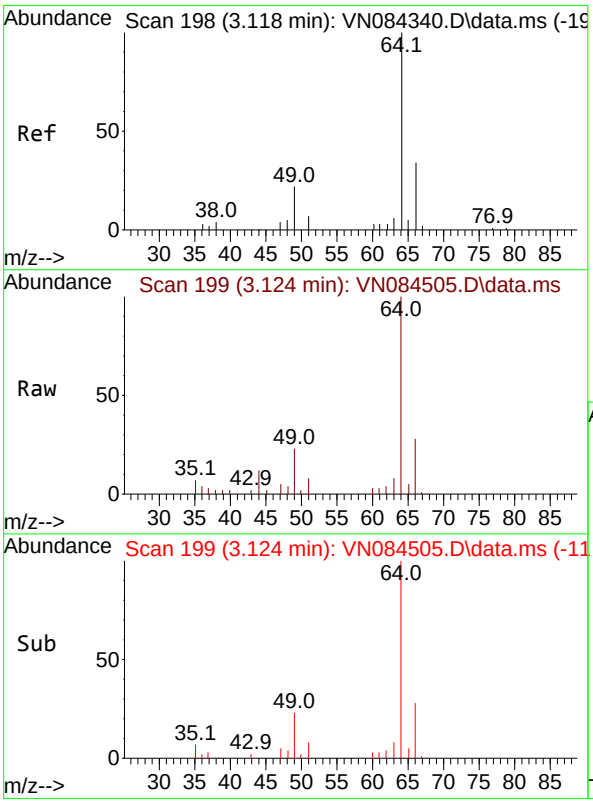
Ion	Ratio	Lower	Upper
94	100		
96	91.5	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
APPROVED

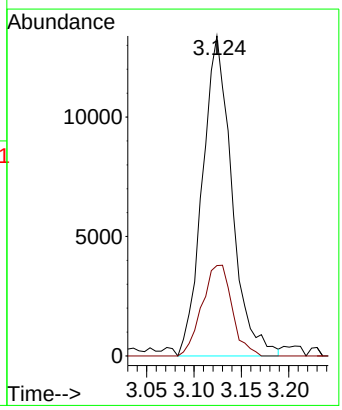
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

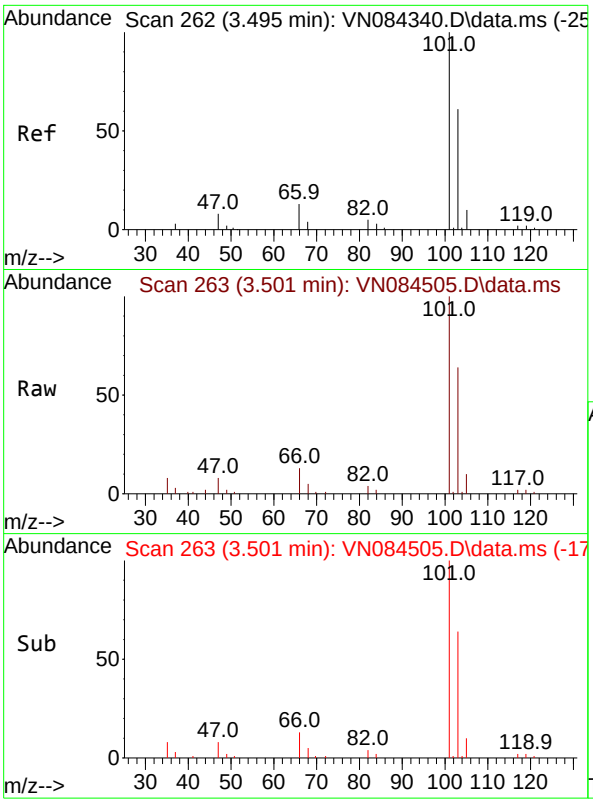


#6
Chloroethane
Concen: 18.527 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 64 Resp: 28969

Ion	Ratio	Lower	Upper
64	100		
66	28.2	27.7	41.5

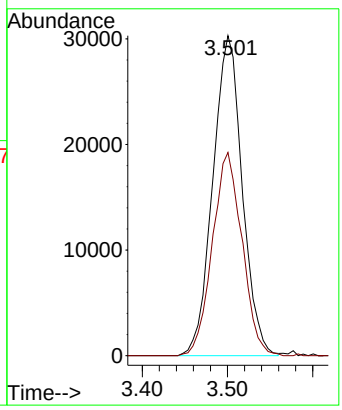




#7
Trichlorofluoromethane
Concen: 18.723 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:101 Resp: 7273

Ion	Ratio	Lower	Upper
101	100		
103	63.5	49.0	73.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
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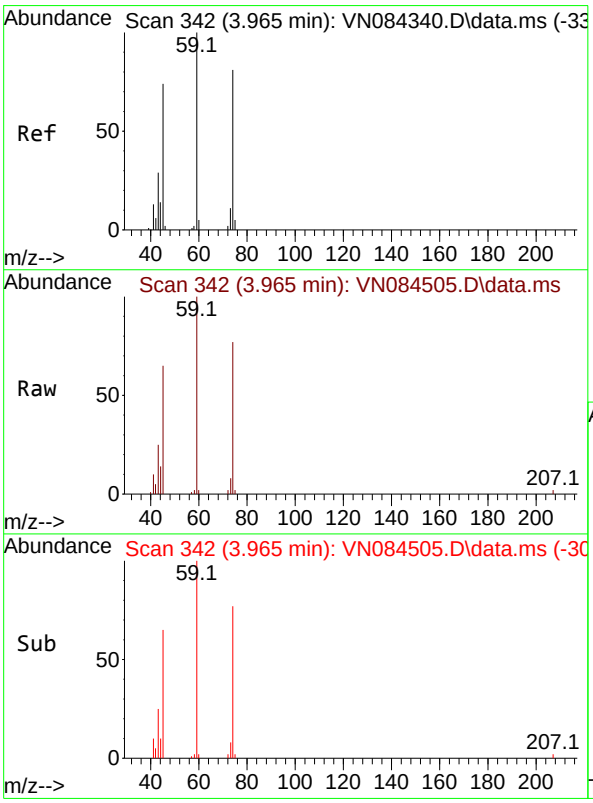
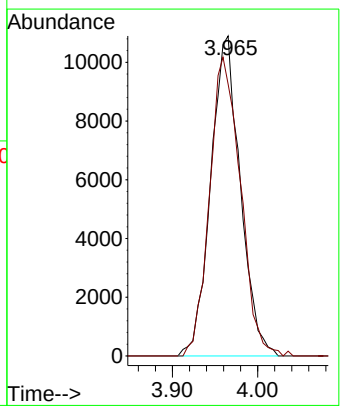
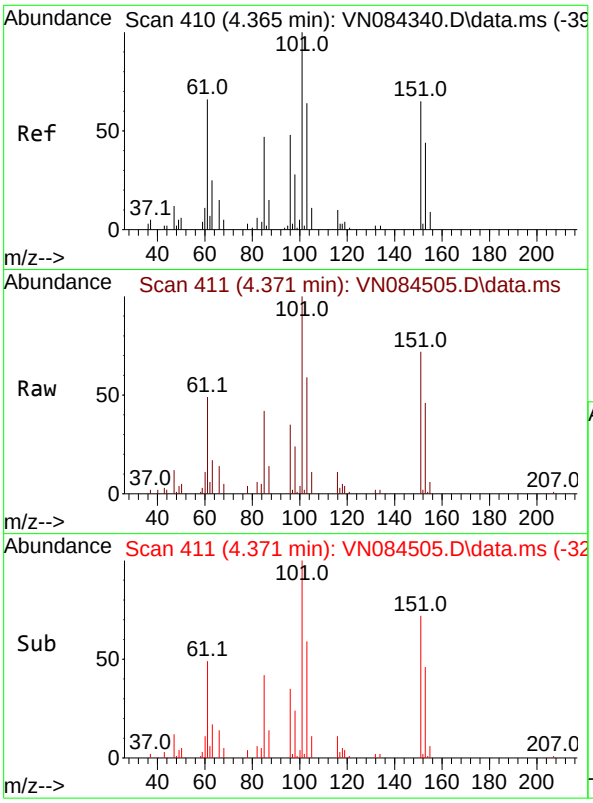


#8
Diethyl Ether
Concen: 18.393 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 74 Resp: 26272

Ion	Ratio	Lower	Upper
74	100		
45	97.6	19.2	173.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.911 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:101 Resp: 4349

Ion	Ratio	Lower	Upper
101	100		
85	43.4	0.0	93.6
151	72.3	0.0	151.8

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
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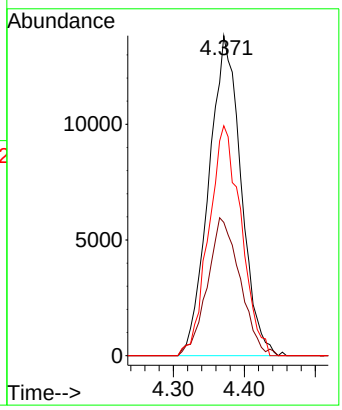
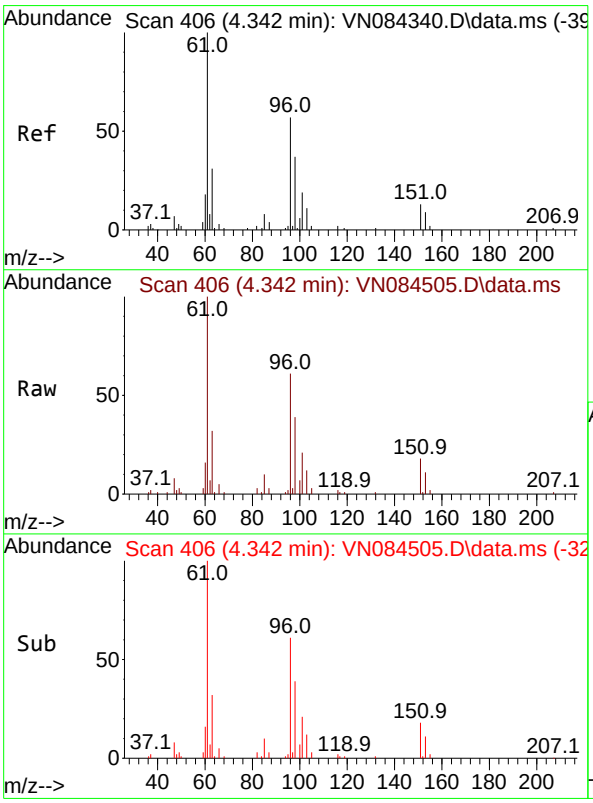
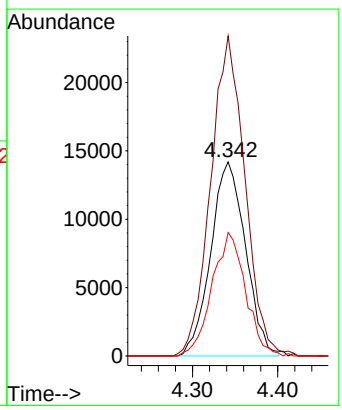


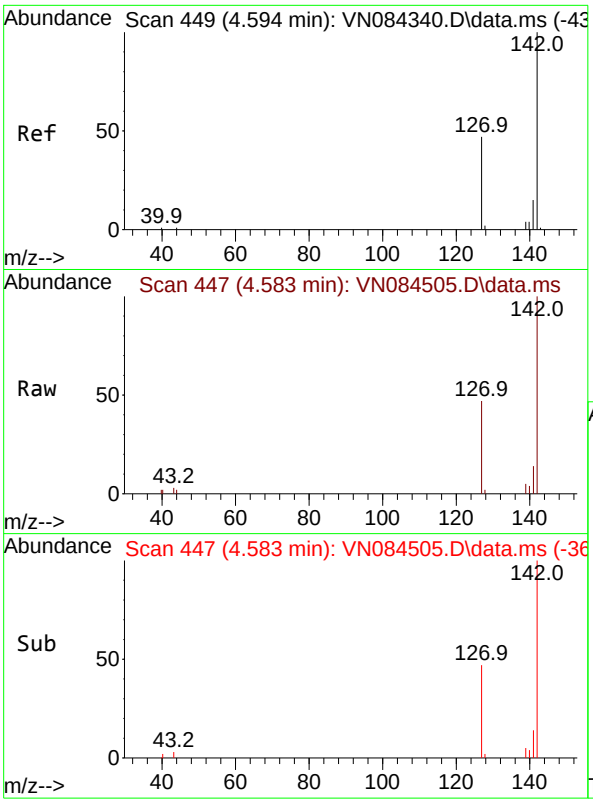


#10
1,1-Dichloroethene
Concen: 18.475 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 96 Resp: 40269

Ion	Ratio	Lower	Upper
96	100		
61	163.6	140.8	211.2
98	63.6	52.2	78.2

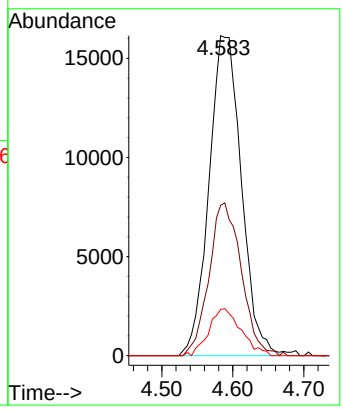




#11
Methyl Iodide
Concen: 17.805 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:142 Resp: 5100

Ion	Ratio	Lower	Upper
142	100		
127	47.2	23.8	71.4
141	14.5	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
APPROVED

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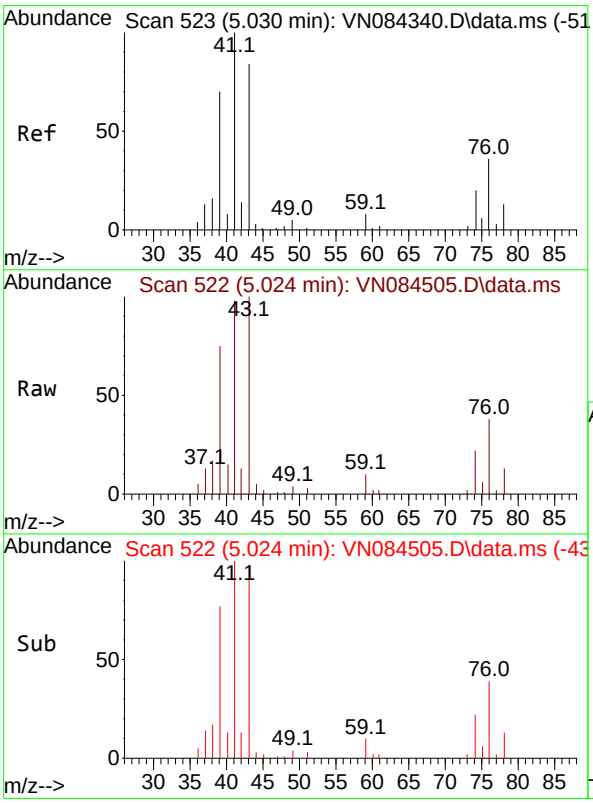
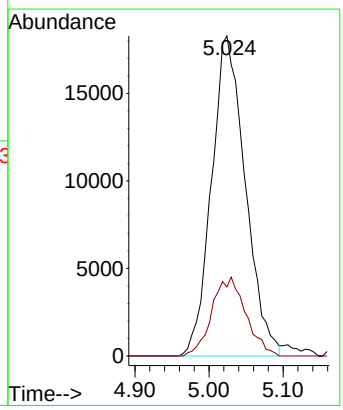
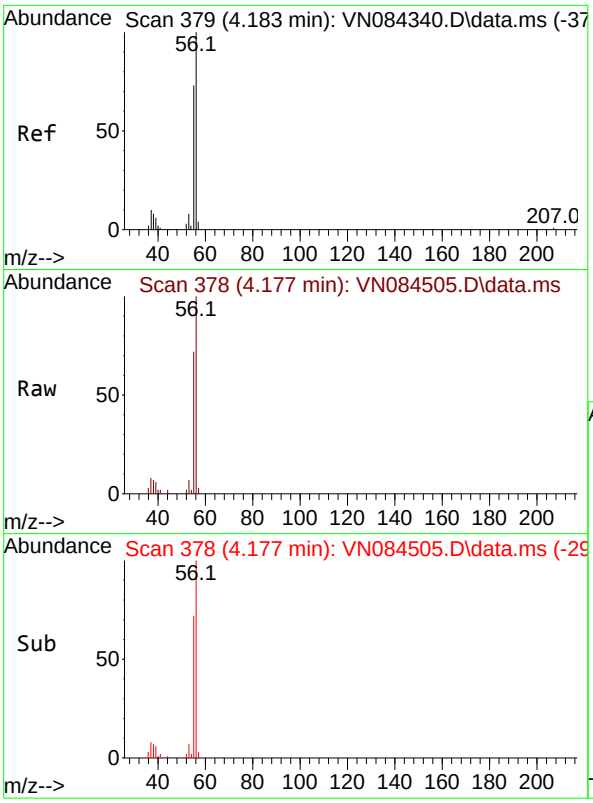


#12
Methyl Acetate
Concen: 21.219 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 57902

Ion	Ratio	Lower	Upper
43	100		
74	21.9	19.4	29.2

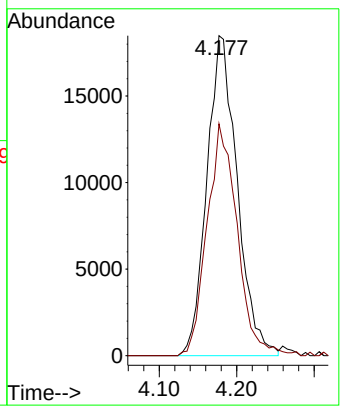




#13
Acrolein
Concen: 99.152 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 56 Resp: 5026

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
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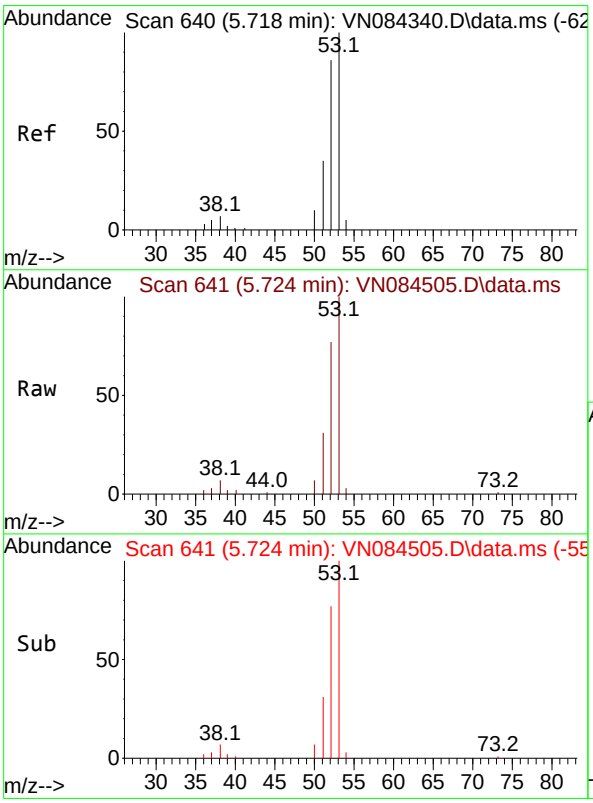
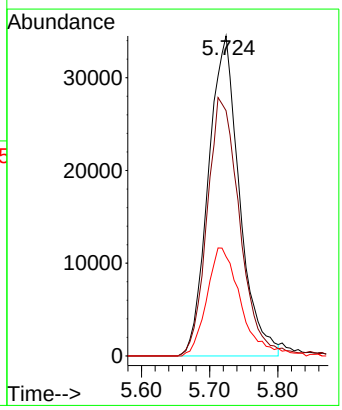
Supervised By :Mahesh Dadoda 10/28/2024

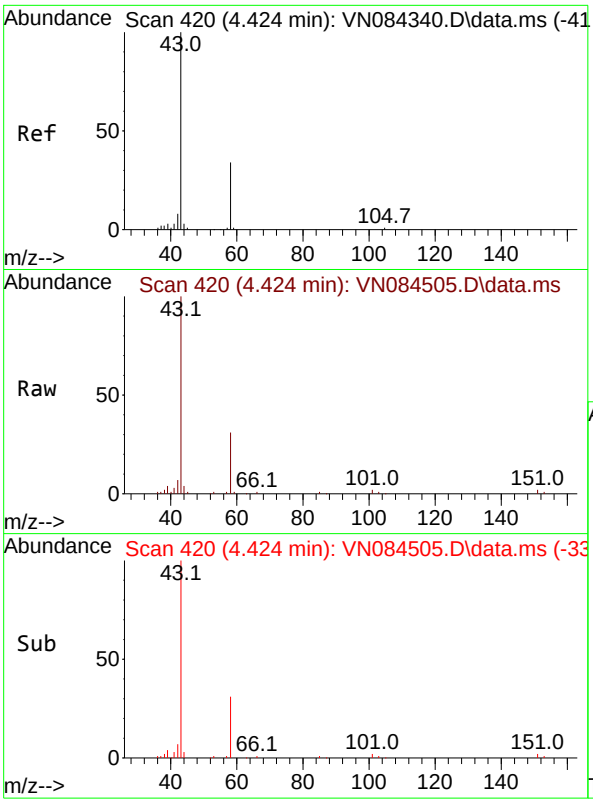


#14
Acrylonitrile
Concen: 89.236 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 53 Resp: 109397

Ion	Ratio	Lower	Upper
53	100		
52	84.6	40.4	121.2
51	36.9	17.8	53.4

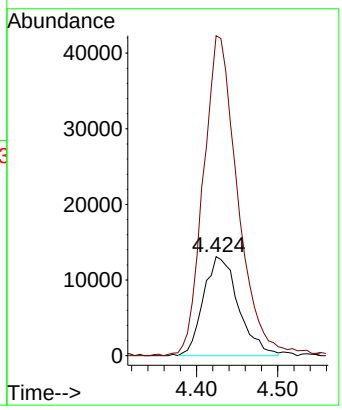




#15
Acetone
Concen: 112.125 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 58 Resp: 3926

Ion	Ratio	Lower	Upper
58	100		
43	320.1	237.5	356.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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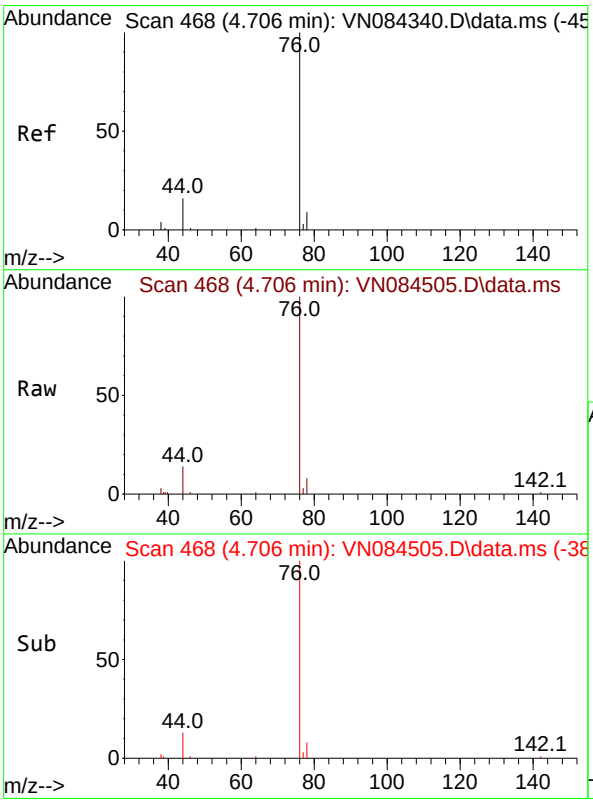
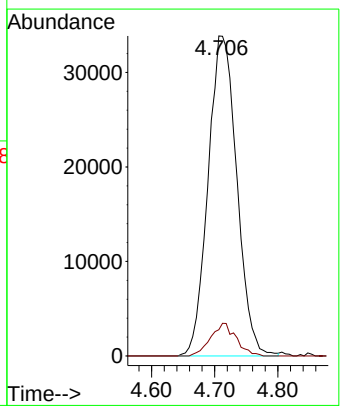
Supervised By :Mahesh Dadoda 10/28/2024

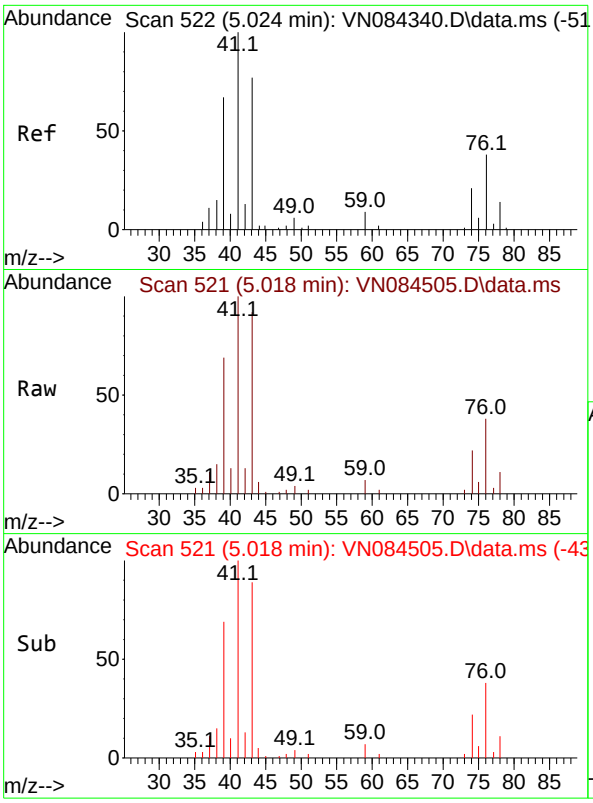


#16
Carbon Disulfide
Concen: 16.511 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 76 Resp: 107167

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.1	10.7

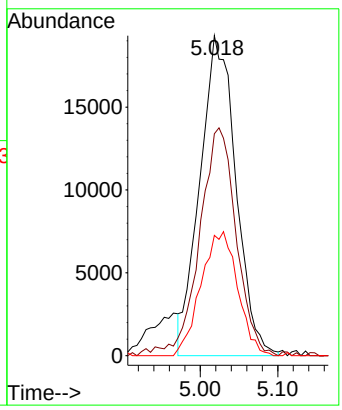




#17
Allyl chloride
Concen: 17.623 ug/l
RT: 5.018 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 41 Resp: 6226

Ion	Ratio	Lower	Upper
41	100		
39	70.2	31.4	94.3
76	38.0	17.8	53.5



Instrument :
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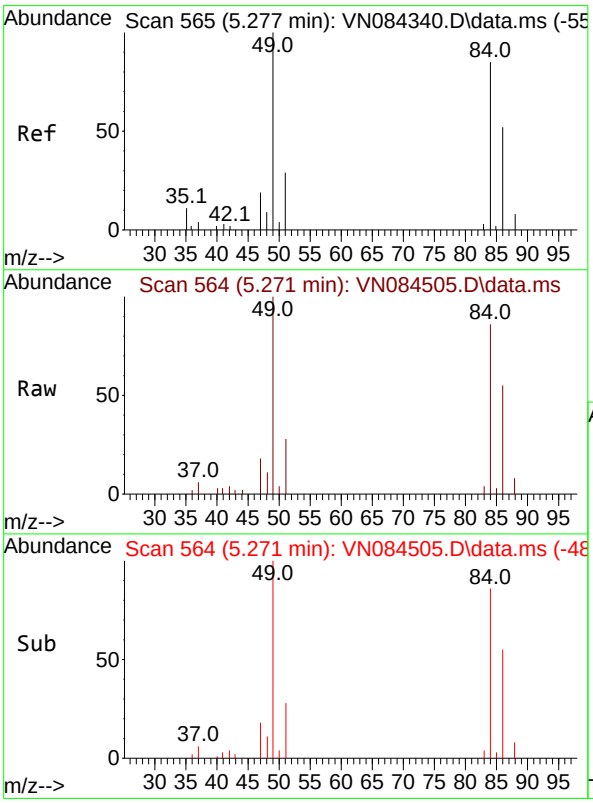
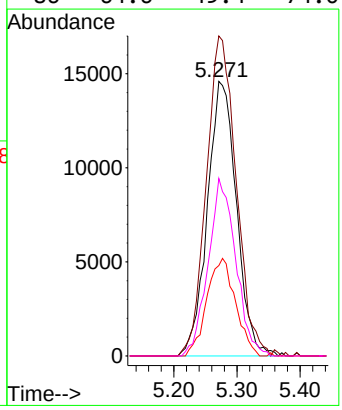
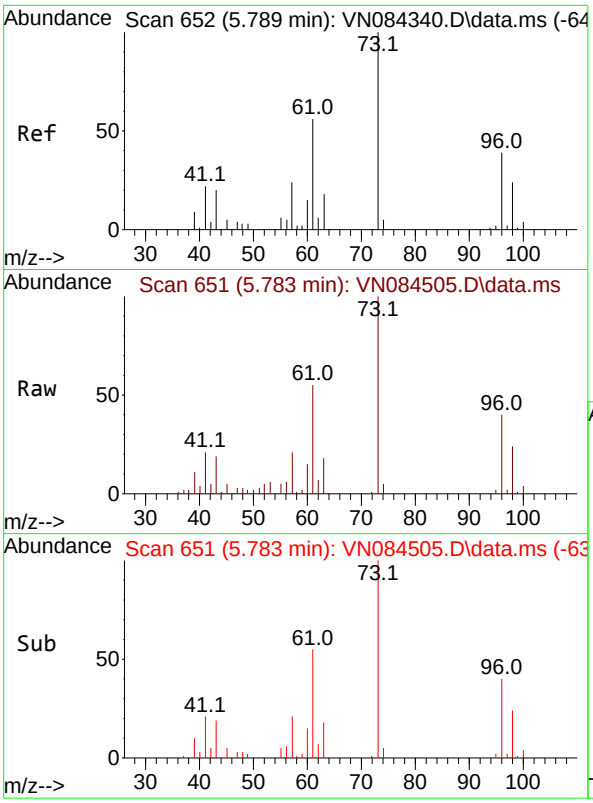


#18
Methylene Chloride
Concen: 19.022 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 84 Resp: 46706

Ion	Ratio	Lower	Upper
84	100		
49	116.6	94.6	142.0
51	32.9	27.3	40.9
86	64.6	49.4	74.0

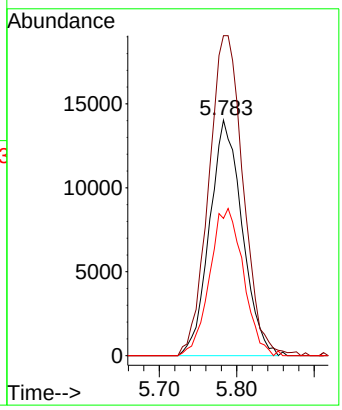




#19
trans-1,2-Dichloroethene
Concen: 17.802 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 96 Resp: 4106

Ion	Ratio	Lower	Upper
96	100		
61	135.9	115.8	173.6
98	58.3	49.4	74.0



Instrument :
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ClientSampleId :
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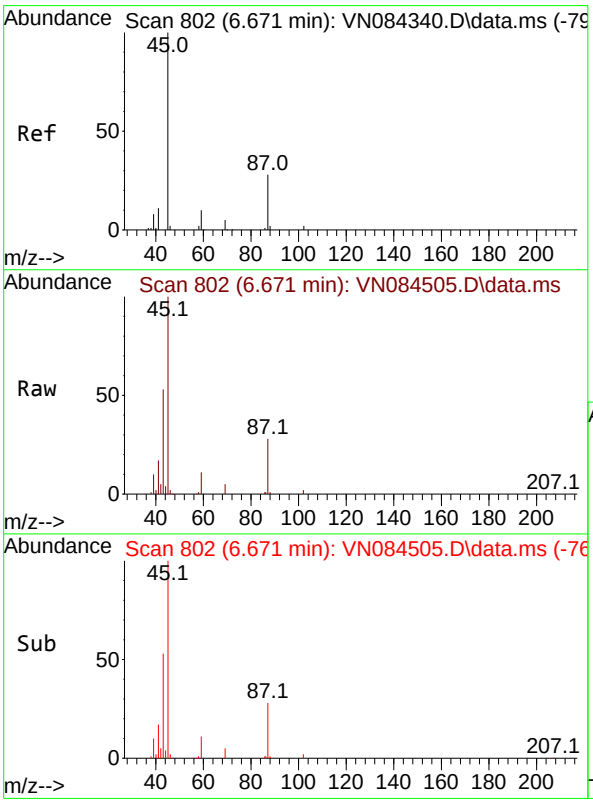
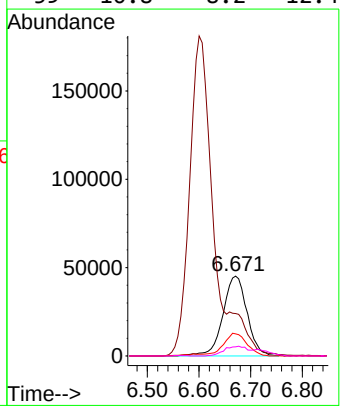
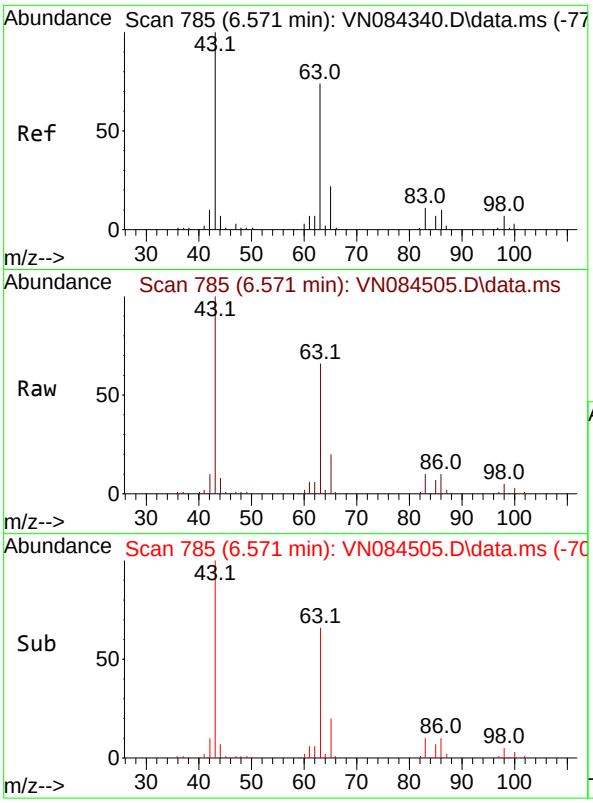


#20
Diisopropyl ether
Concen: 19.284 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 45 Resp: 146499

Ion	Ratio	Lower	Upper
45	100		
43	51.2	43.7	65.5
87	27.4	23.1	34.7
59	10.8	8.2	12.4

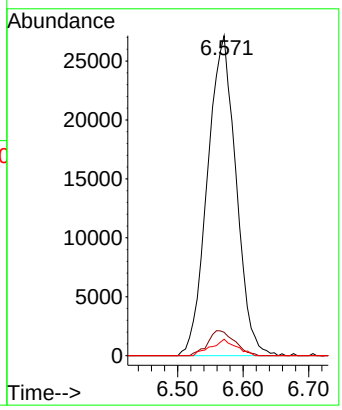




#21
1,1-Dichloroethane
Concen: 18.849 ug/l
RT: 6.571 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 63 Resp: 8216

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.5	13.4
100	5.1	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
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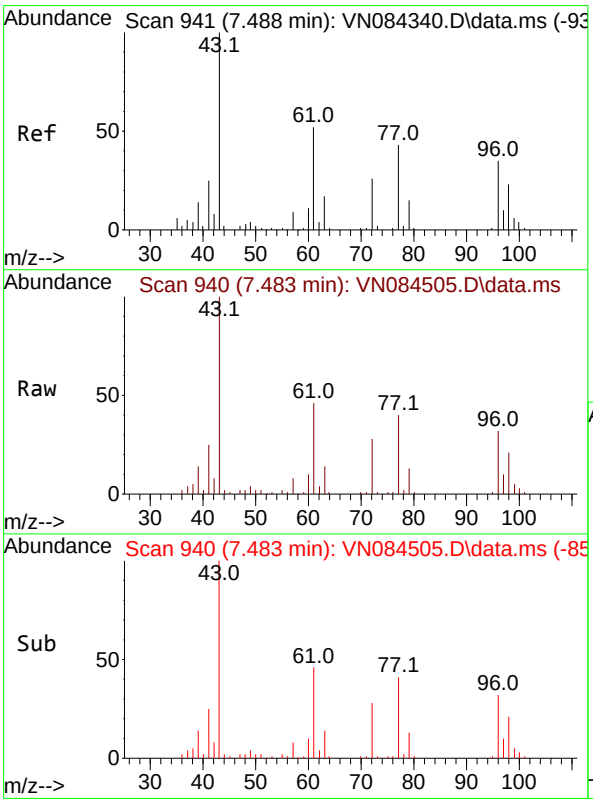
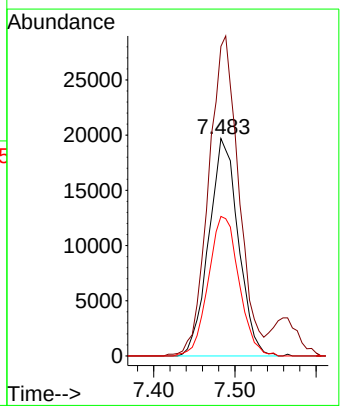
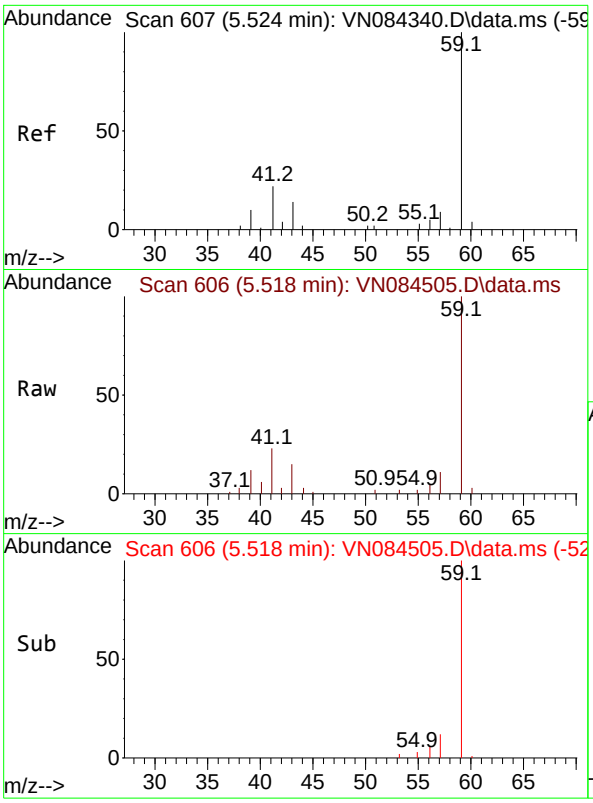


#22
cis-1,2-Dichloroethene
Concen: 18.544 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 96 Resp: 49779

Ion	Ratio	Lower	Upper
96	100		
61	149.8	118.0	177.0
98	66.5	51.8	77.8





#23
tert-Butyl Alcohol
Concen: 87.026 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 59 Resp: 4092

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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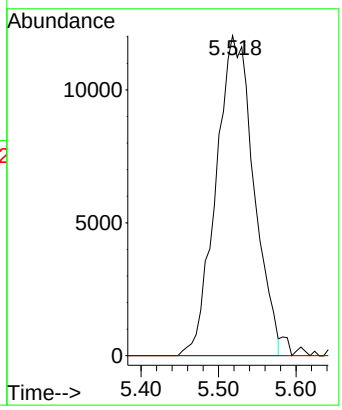
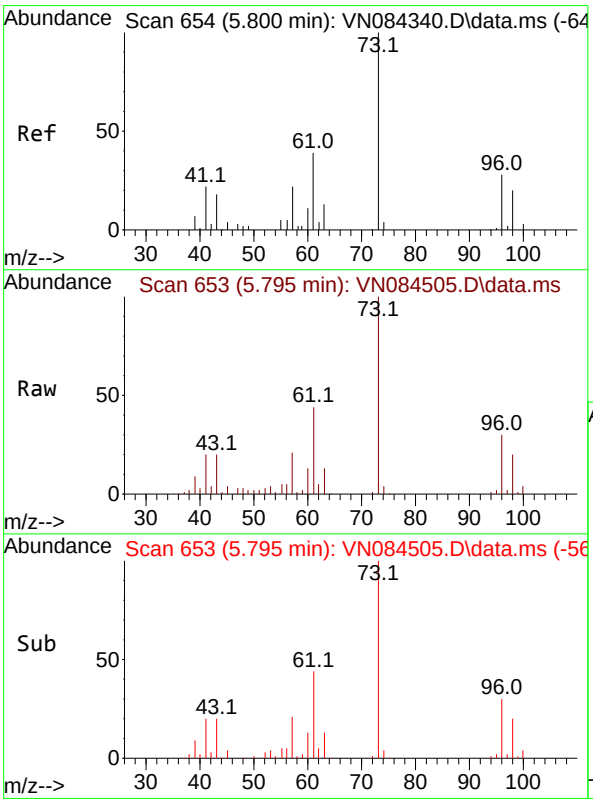
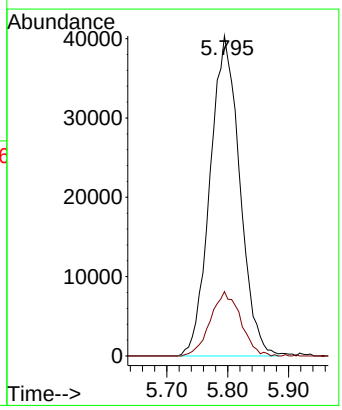


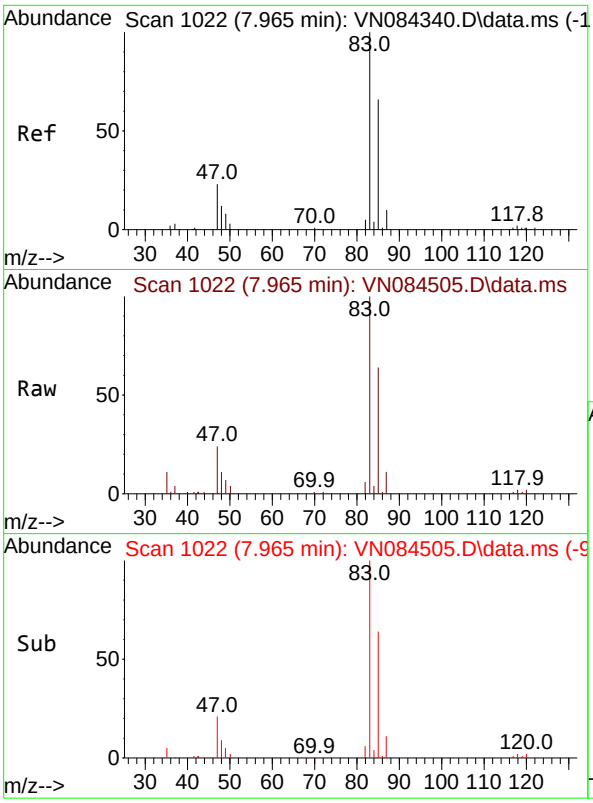


#24
Methyl tert-Butyl Ether
Concen: 18.758 ug/l
RT: 5.795 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 73 Resp: 136638

Ion	Ratio	Lower	Upper
73	100		
43	20.2	10.9	16.3#

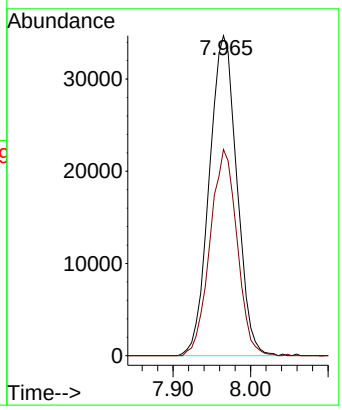




#25
Chloroform
Concen: 19.413 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 83 Resp: 8570

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6



Instrument :
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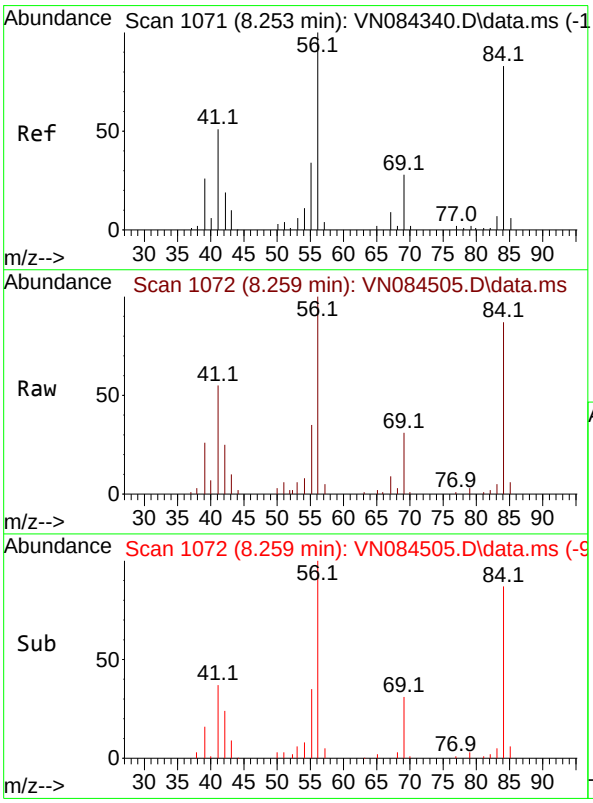
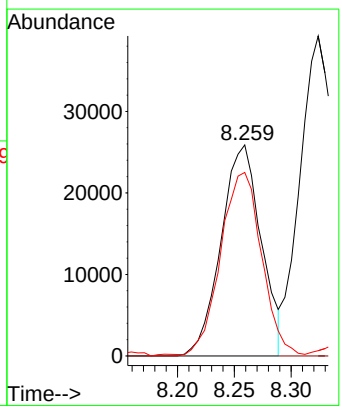
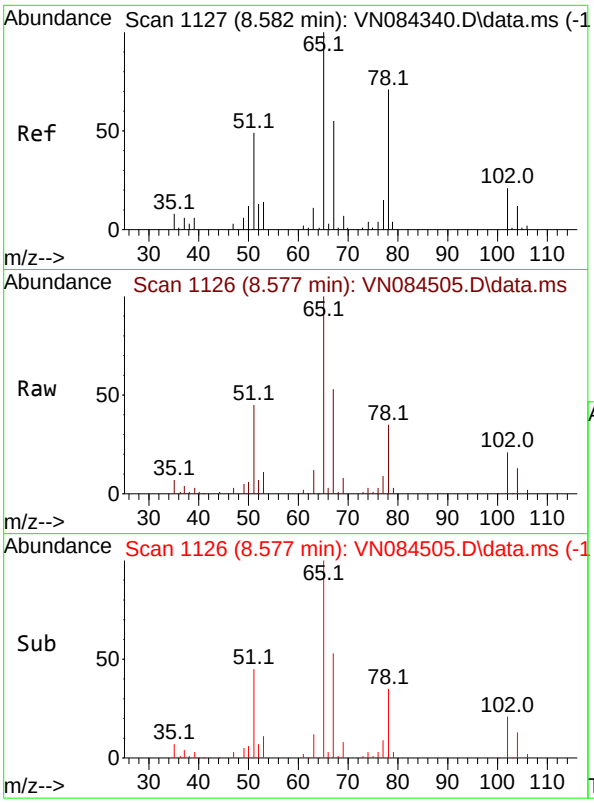


#26
Cyclohexane
Concen: 17.453 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 56 Resp: 63628

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	88.9	67.0	100.6

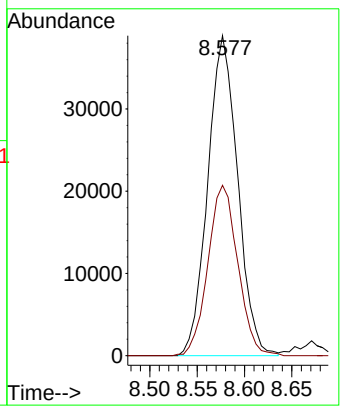




#27
1,2-Dichloroethane-d4
Concen: 30.313 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 65 Resp: 8543

Ion	Ratio	Lower	Upper
65	100		
67	53.2	41.5	62.3



Instrument :
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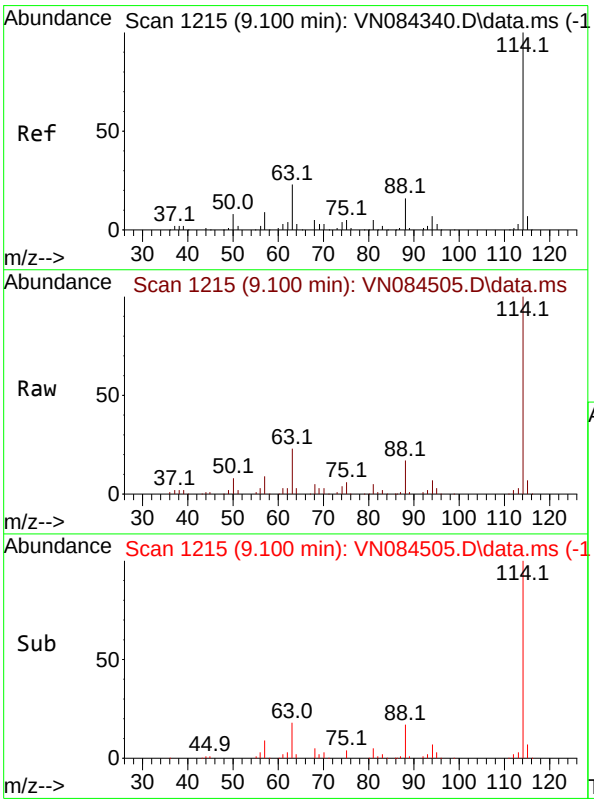
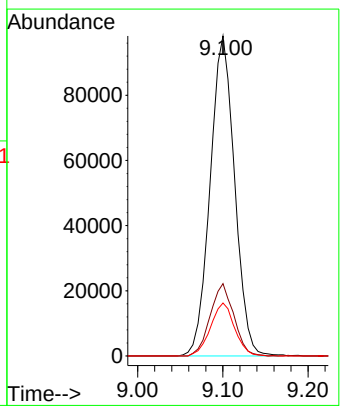
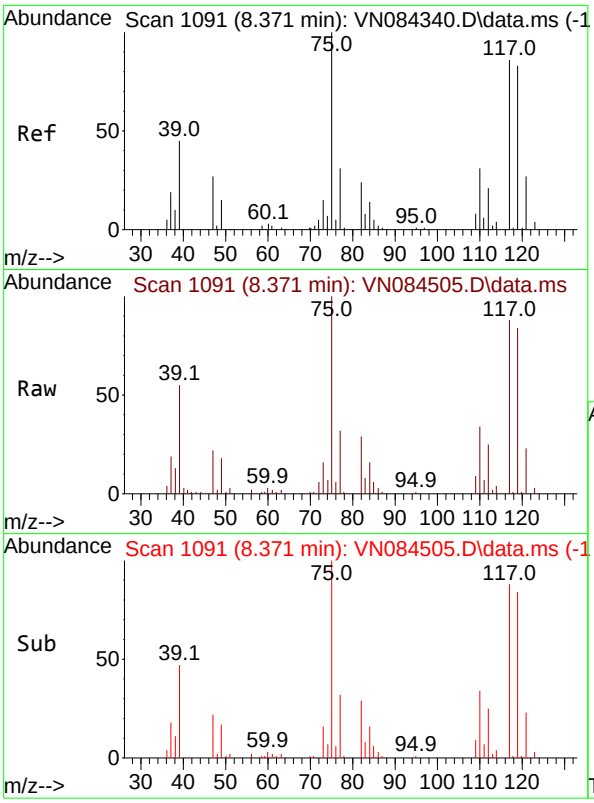


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:114 Resp: 196424

Ion	Ratio	Lower	Upper
114	100		
63	21.8	17.4	26.0
88	16.3	13.2	19.8

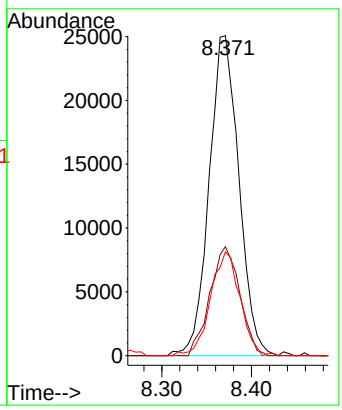




#29
1,1-Dichloropropene
Concen: 17.845 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 5753

Ion	Ratio	Lower	Upper
75	100		
110	34.4	0.0	67.6
77	31.8	0.0	61.4



Instrument :
MSVOA_N
ClientSampleId :
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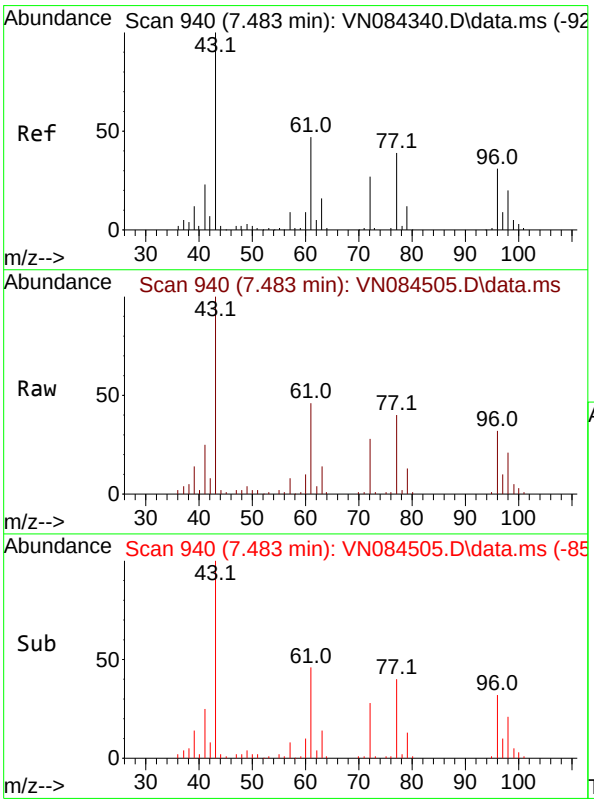
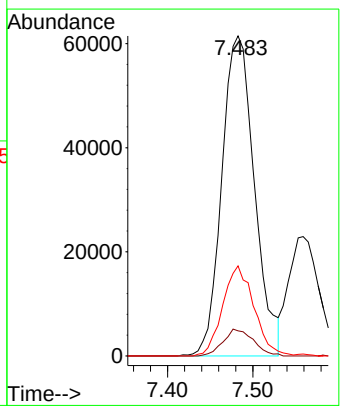
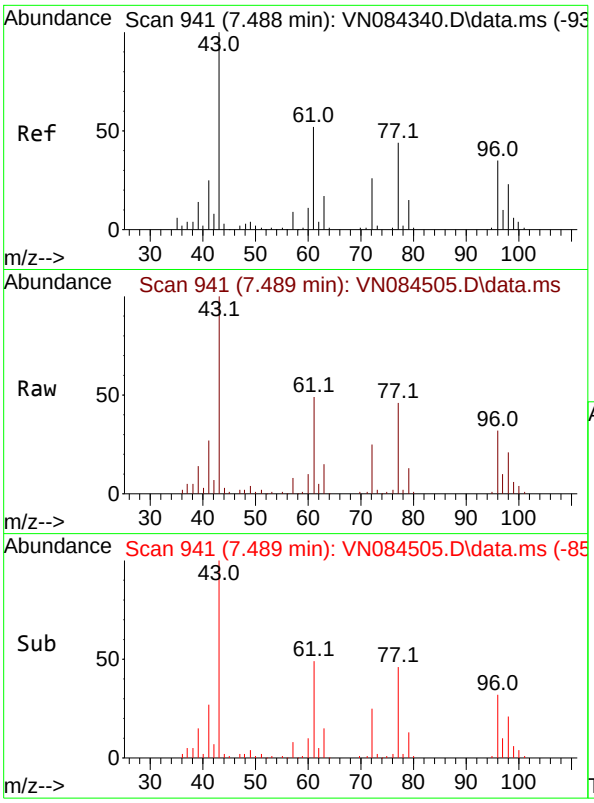


#30
2-Butanone
Concen: 95.566 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 164064

Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	26.9	21.3	31.9

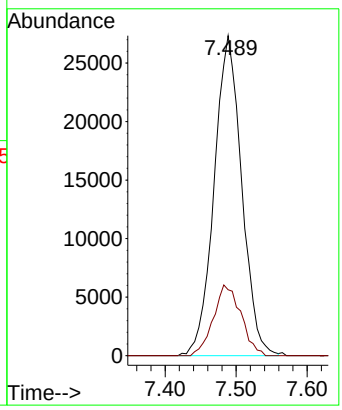




#31
2,2-Dichloropropane
Concen: 19.426 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 77 Resp: 7360

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.5	17.3



Instrument :
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ClientSampleId :
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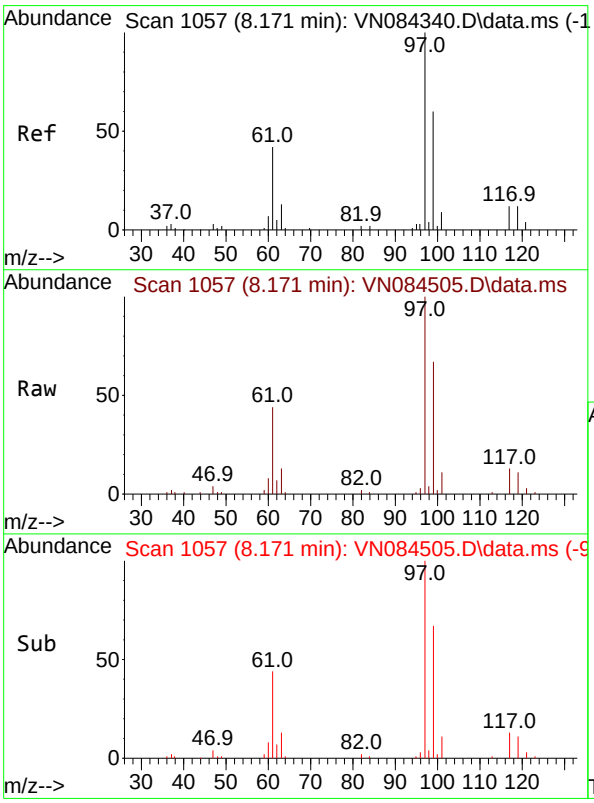
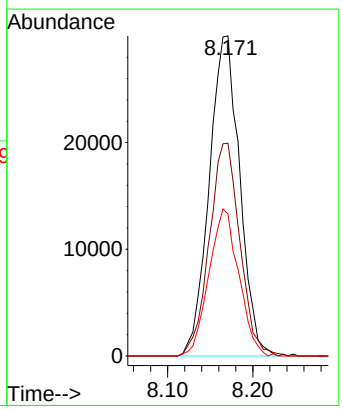
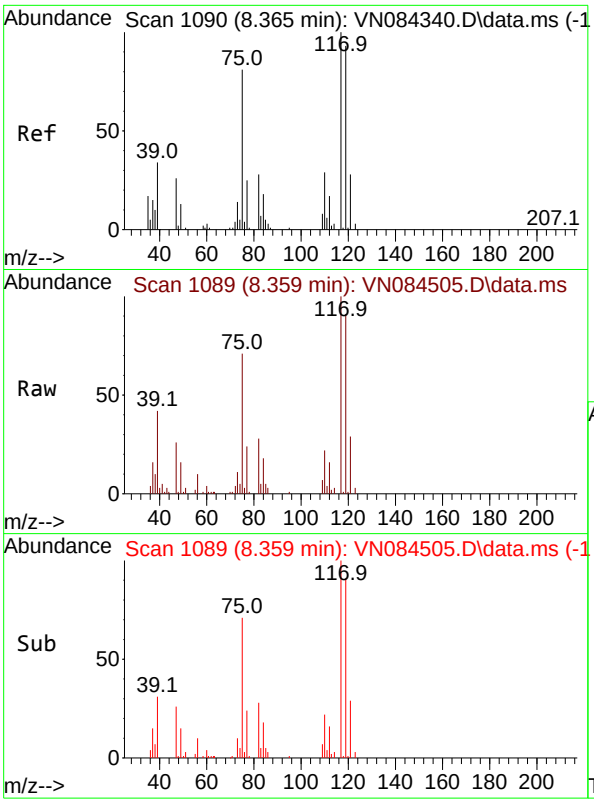


#32
1,1,1-Trichloroethane
Concen: 18.116 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 97 Resp: 74667

Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.2	76.8
61	44.9	34.1	51.1

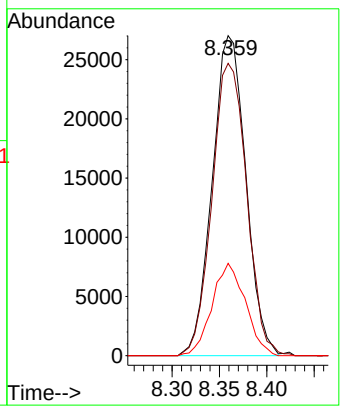




#33
Carbon Tetrachloride
Concen: 18.691 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:117 Resp: 6673

Ion	Ratio	Lower	Upper
117	100		
119	91.4	74.3	111.5
121	28.9	22.4	33.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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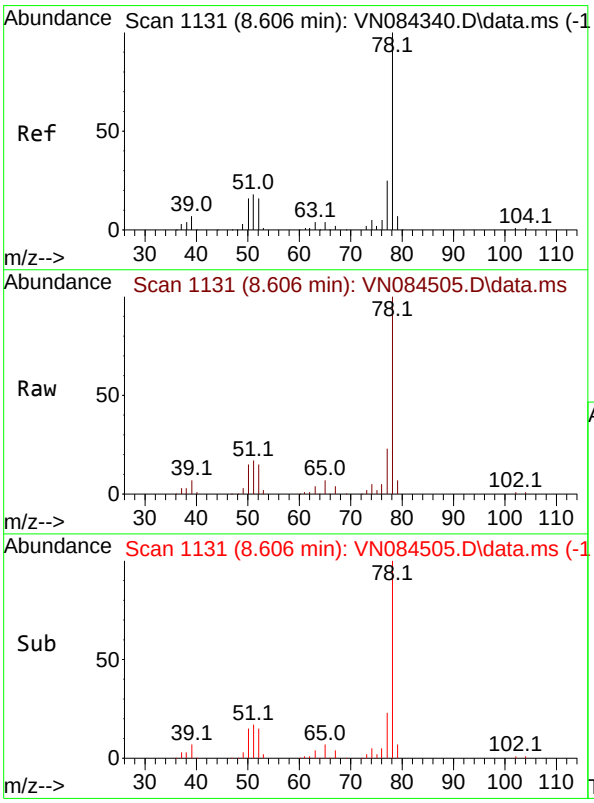
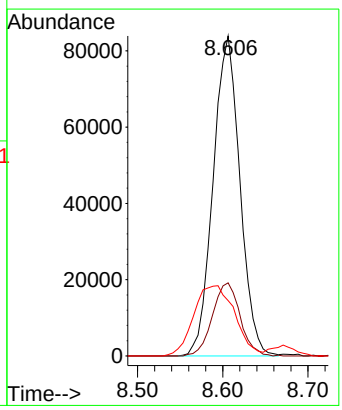
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

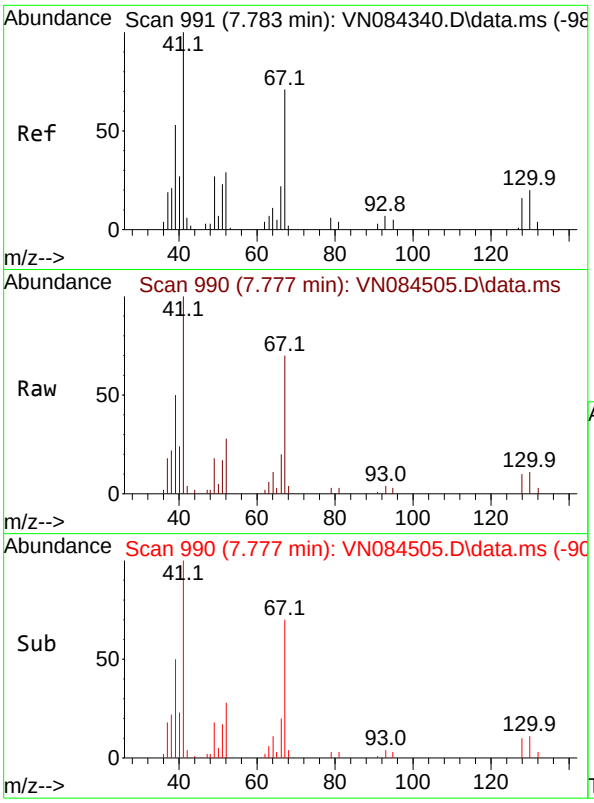


#34
Benzene
Concen: 18.173 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 78 Resp: 183430

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.6	29.4
51	15.1	15.8	23.6#

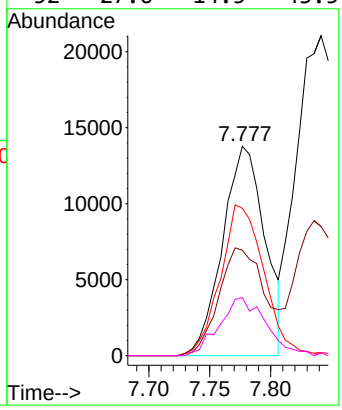




#35
Methacrylonitrile
Concen: 18.169 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 41 Resp: 3327

Ion	Ratio	Lower	Upper
41	100		
39	50.3	26.4	79.0
67	70.4	35.7	107.1
52	27.6	14.5	43.5



Instrument :
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ClientSampleId :
VN1025WBS01

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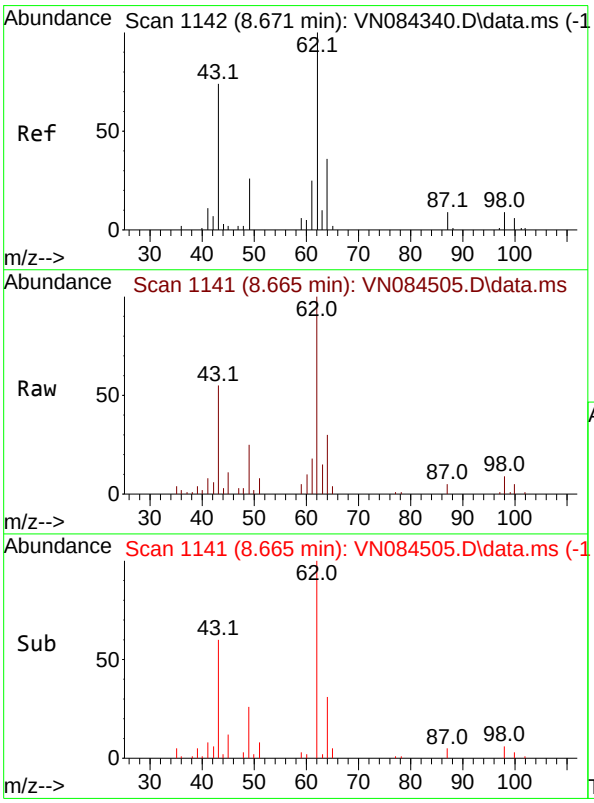
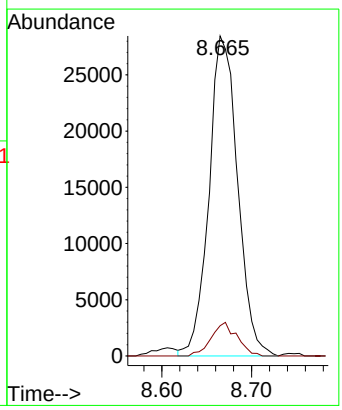
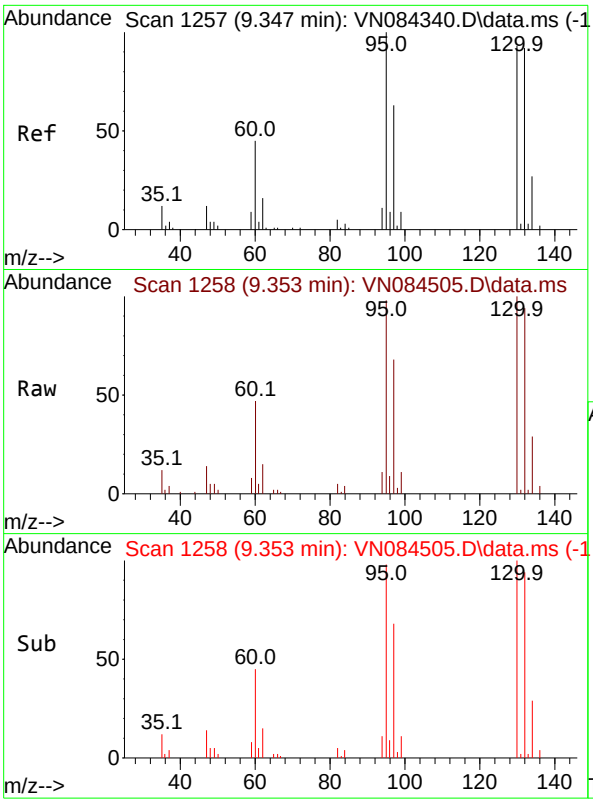


#36
1,2-Dichloroethane
Concen: 18.777 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 62 Resp: 63174

Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.3	10.9

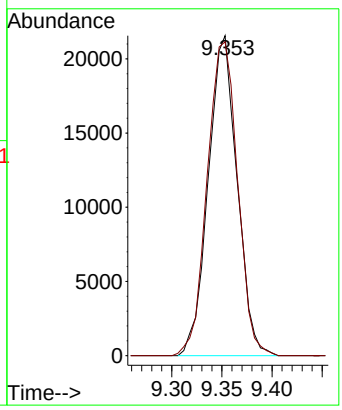




#37
Trichloroethene
Concen: 18.502 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:130 Resp: 4300

Ion	Ratio	Lower	Upper
130	100		
95	98.1	85.8	128.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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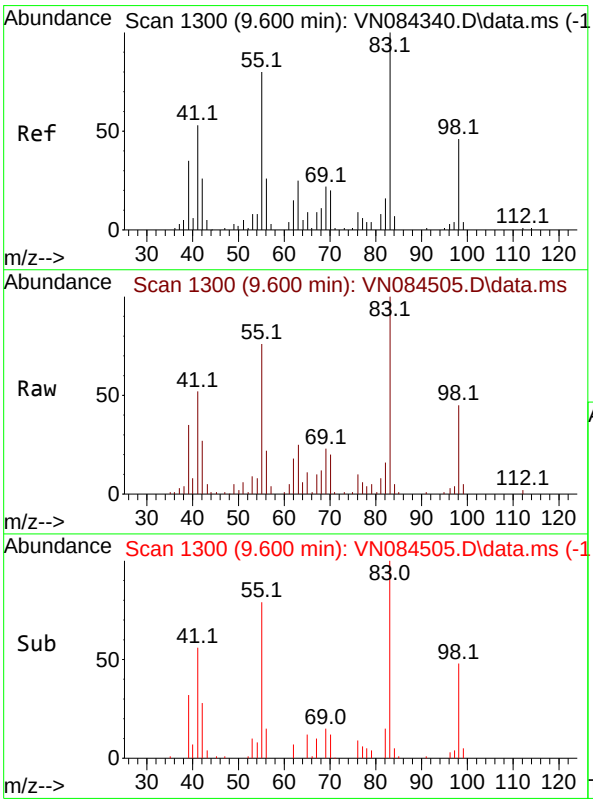
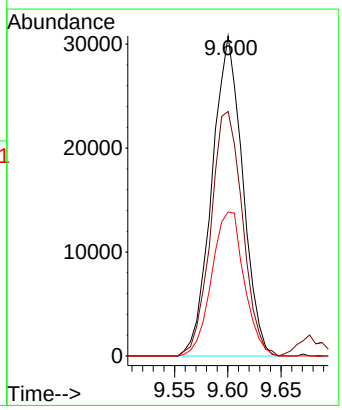
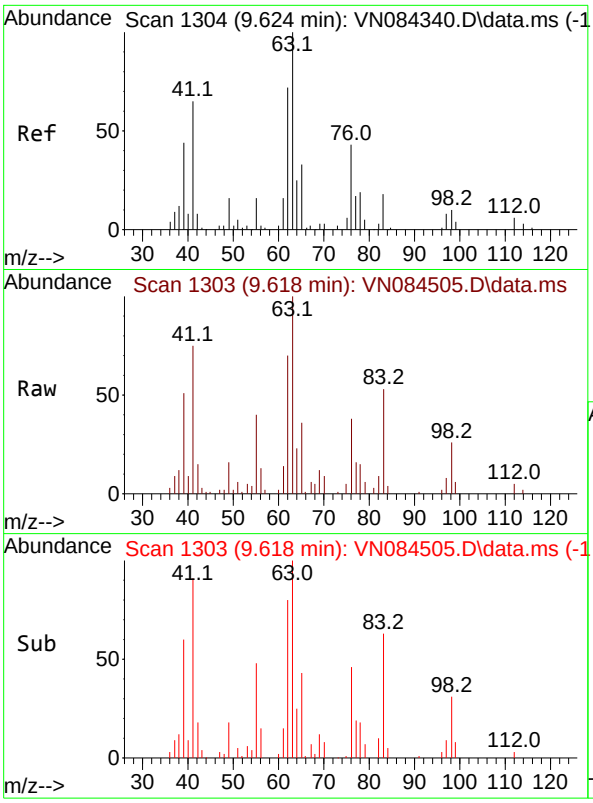


#38
Methylcyclohexane
Concen: 17.381 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 83 Resp: 61561

Ion	Ratio	Lower	Upper
83	100		
55	79.1	39.3	117.8
98	47.7	24.0	72.0

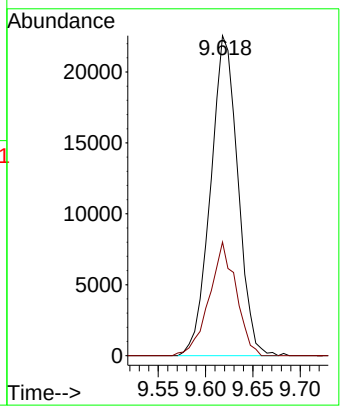




#39
1,2-Dichloropropane
Concen: 18.381 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 63 Resp: 4524

Ion	Ratio	Lower	Upper
63	100		
65	35.5	26.3	39.5



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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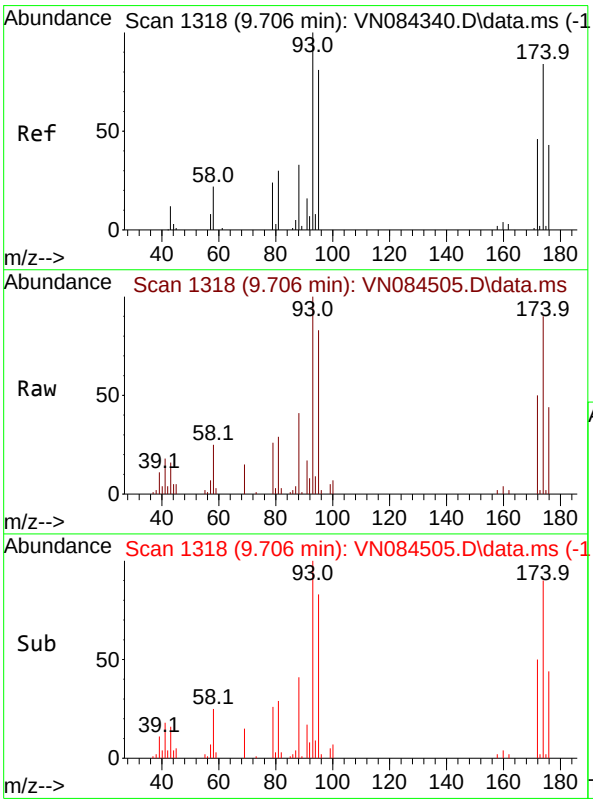
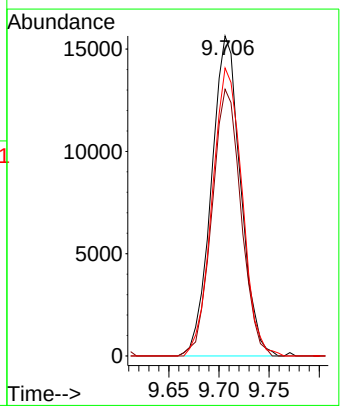
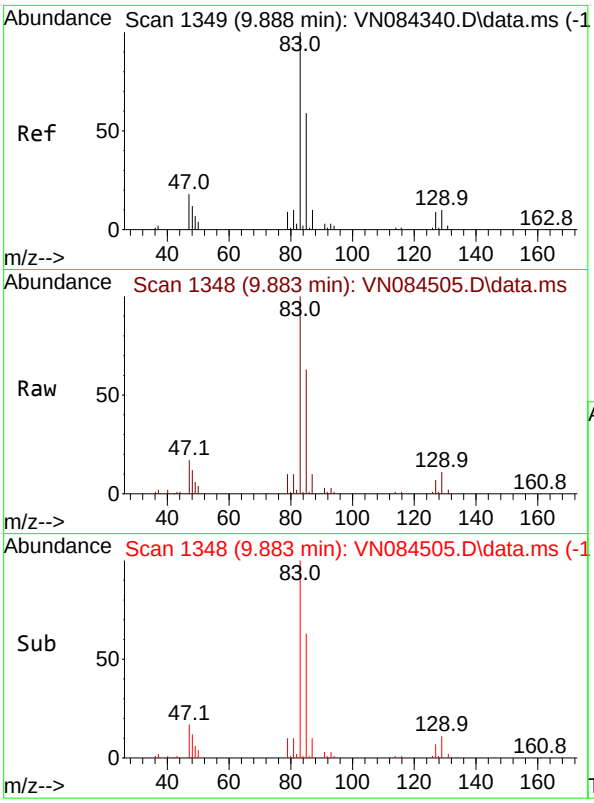


#40
Dibromomethane
Concen: 18.378 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 93 Resp: 31615

Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	171.4
174	92.1	0.0	183.0

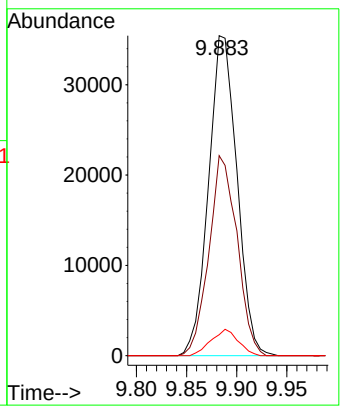




#41
Bromodichloromethane
Concen: 19.150 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 83 Resp: 6993

Ion	Ratio	Lower	Upper
83	100		
85	62.5	47.1	70.7
127	6.6	7.1	10.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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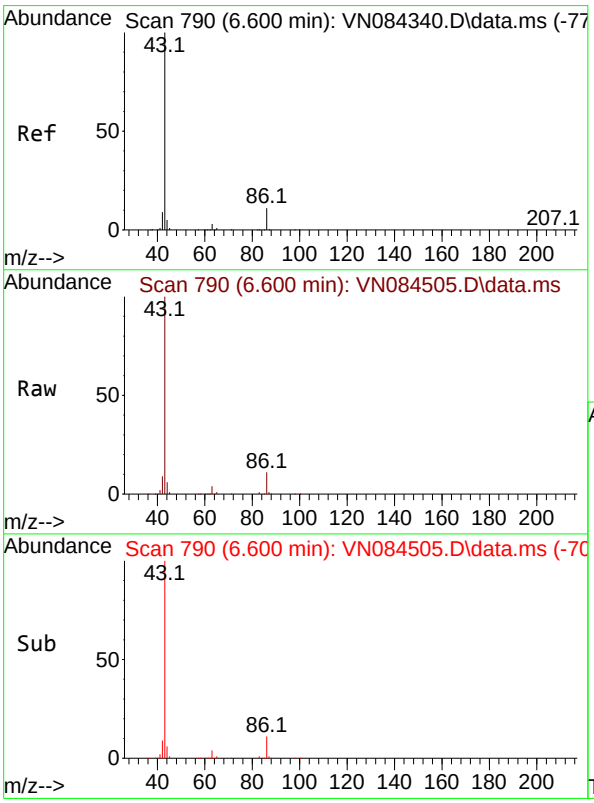
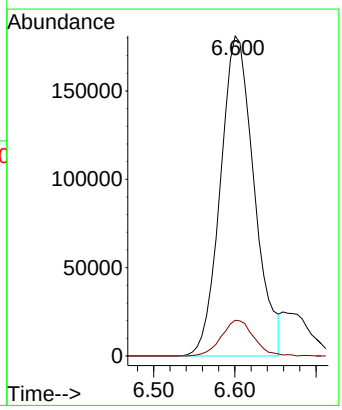
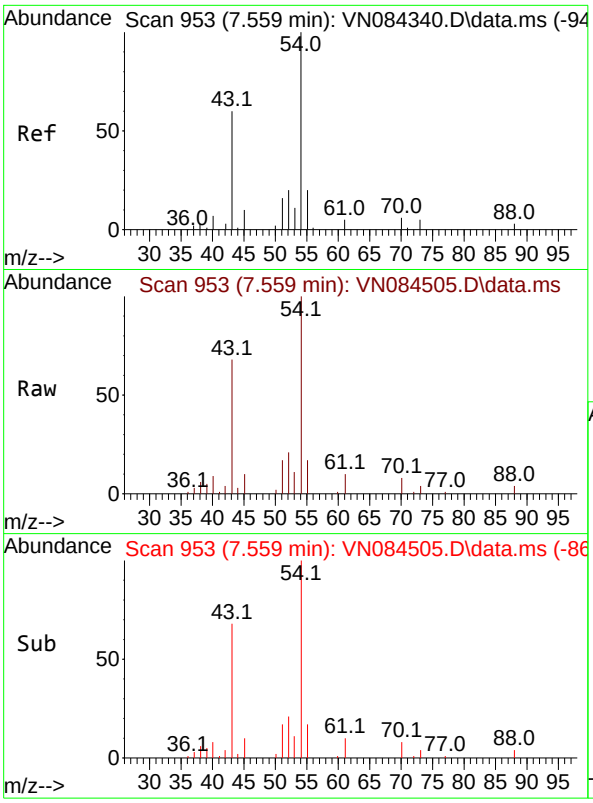


#42
Vinyl Acetate
Concen: 87.789 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 524167

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

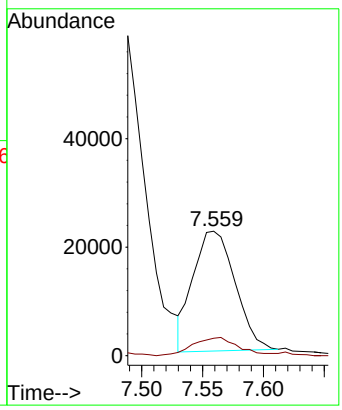




#43
Ethyl Acetate
Concen: 15.702 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 5316

Ion	Ratio	Lower	Upper
43	100		
45	16.4	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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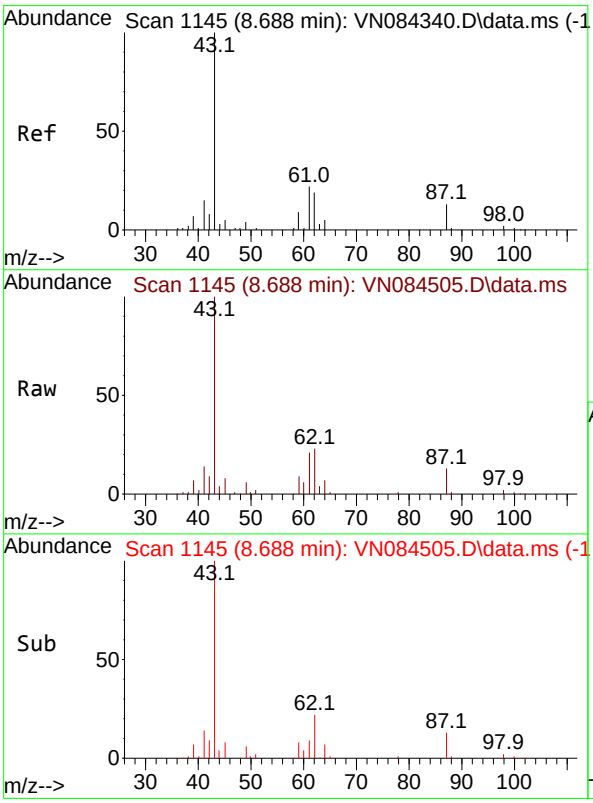
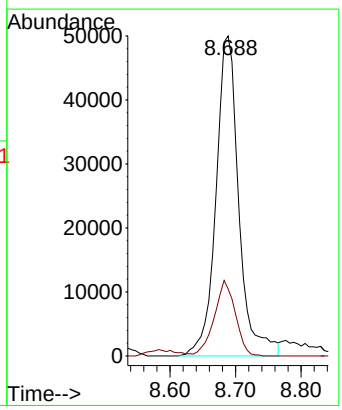
Supervised By :Mahesh Dadoda 10/28/2024

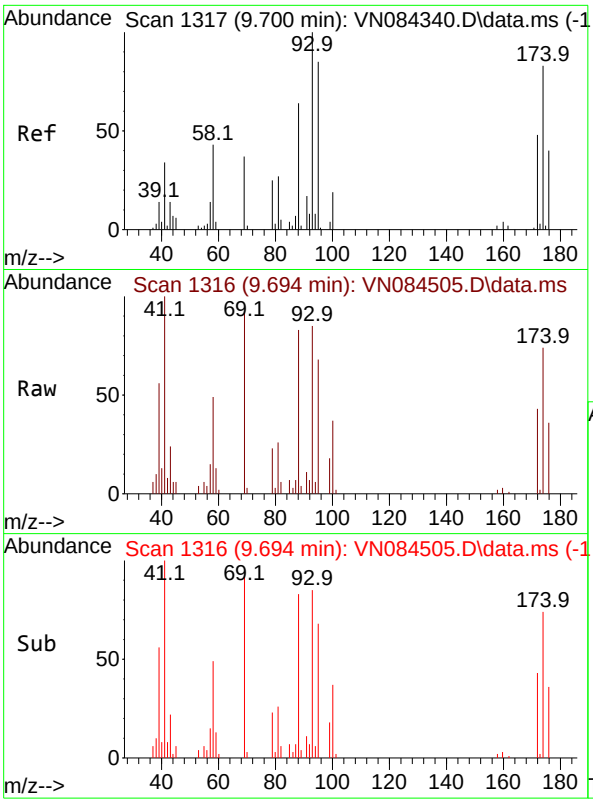


#44
Isopropyl Acetate
Concen: 21.839 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 121028

Ion	Ratio	Lower	Upper
43	100		
61	21.7	21.4	32.2

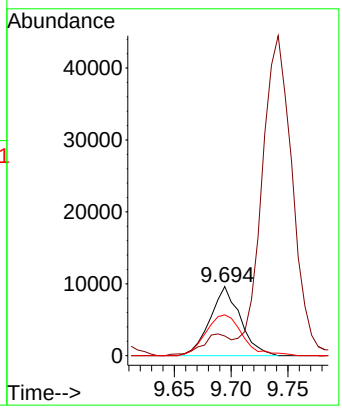




#45
1,4-Dioxane
Concen: 356.411 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 88 Resp: 1780

Ion	Ratio	Lower	Upper
88	100		
43	24.7	22.4	33.6
58	71.6	59.7	89.5



Instrument :
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ClientSampleId :
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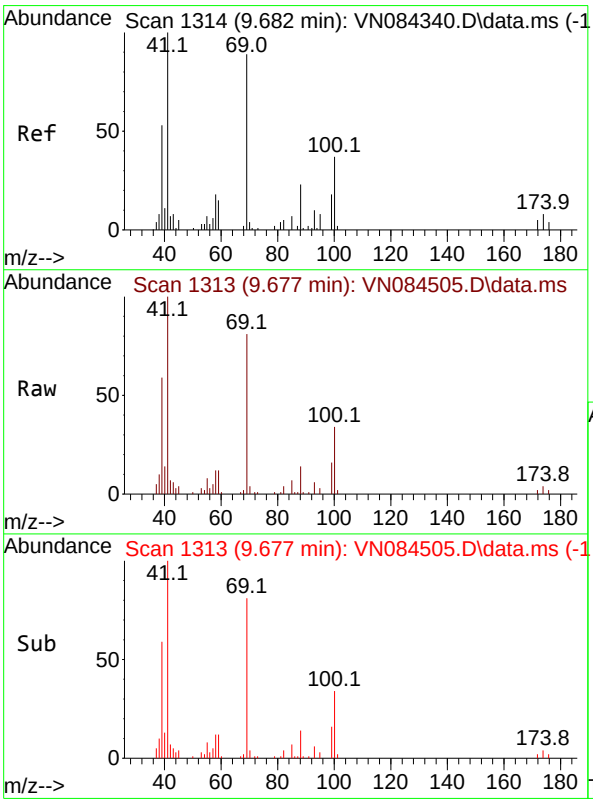
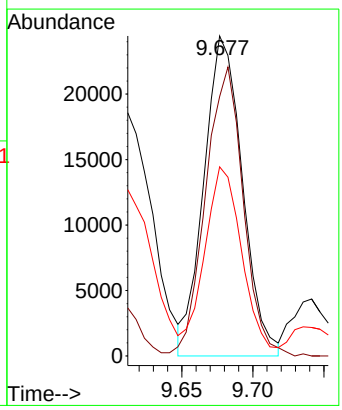
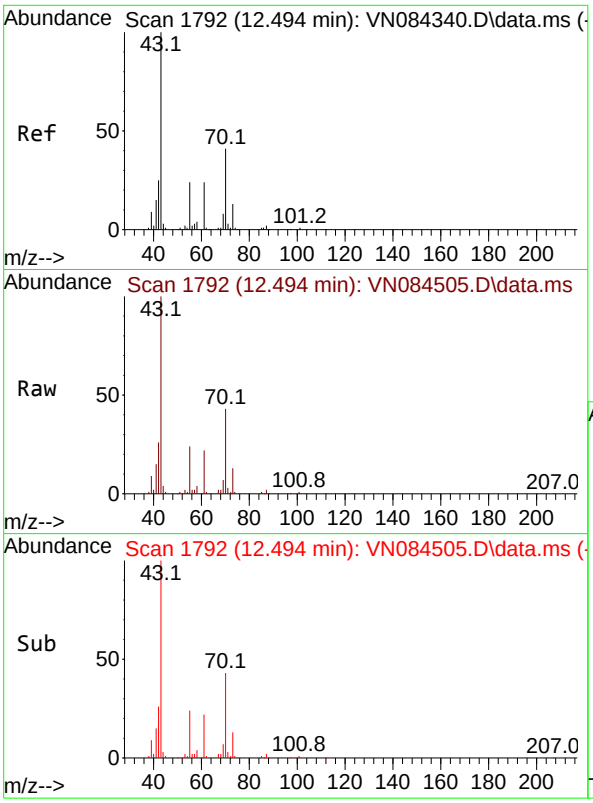


#46
Methyl methacrylate
Concen: 17.222 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 41 Resp: 46112

Ion	Ratio	Lower	Upper
41	100		
69	81.7	42.6	128.0
39	58.9	27.5	82.4

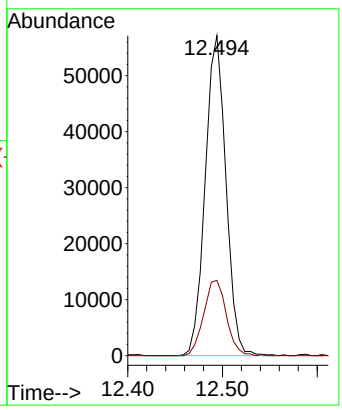




#47
n-amyl Acetate
Concen: 17.612 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 8681

Ion	Ratio	Lower	Upper
43	100		
55	25.8	20.6	31.0



Instrument :
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ClientSampleId :
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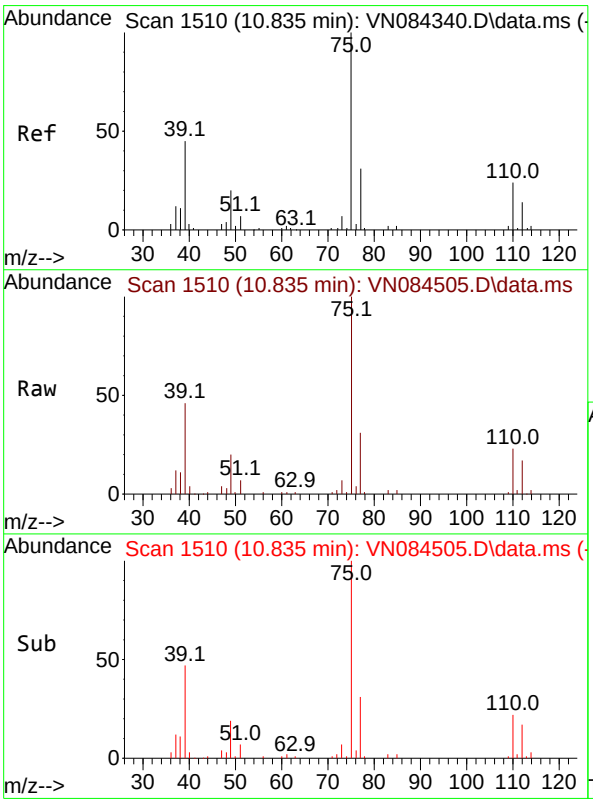
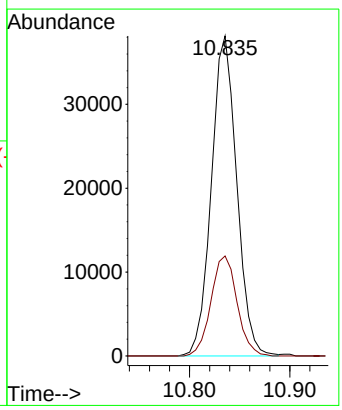
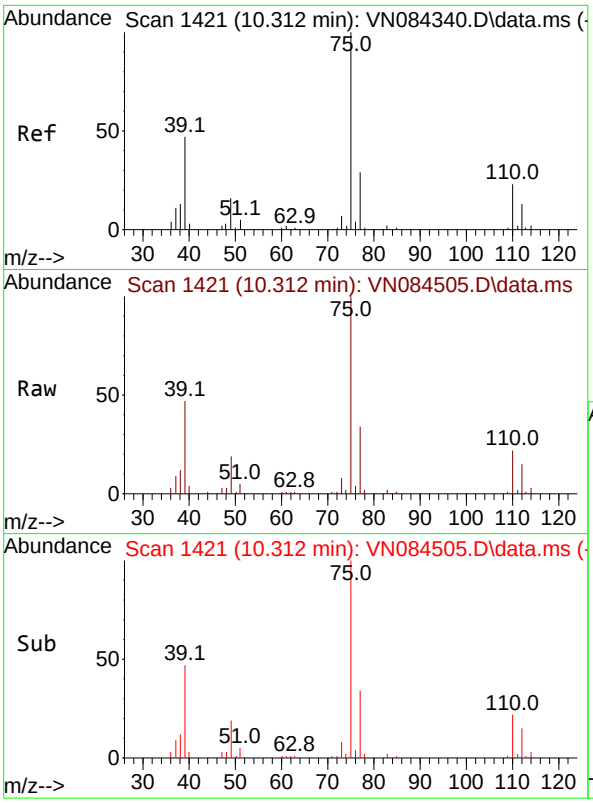


#48
t-1,3-Dichloropropene
Concen: 17.755 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 67004

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	37.0

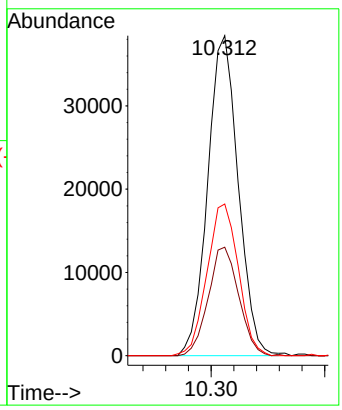




#49
cis-1,3-Dichloropropene
Concen: 18.112 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 7163

Ion	Ratio	Lower	Upper
75	100		
77	33.9	22.9	34.3
39	47.4	37.4	56.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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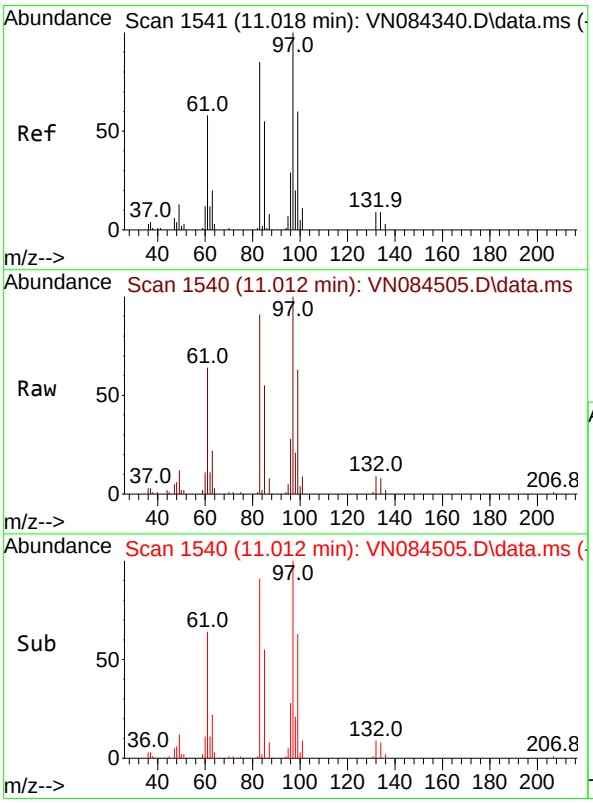
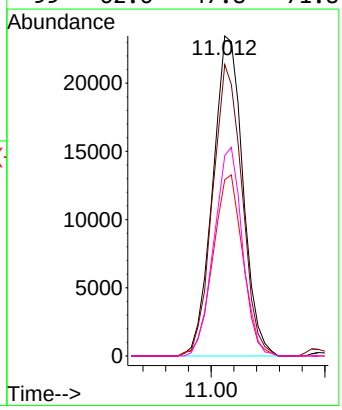
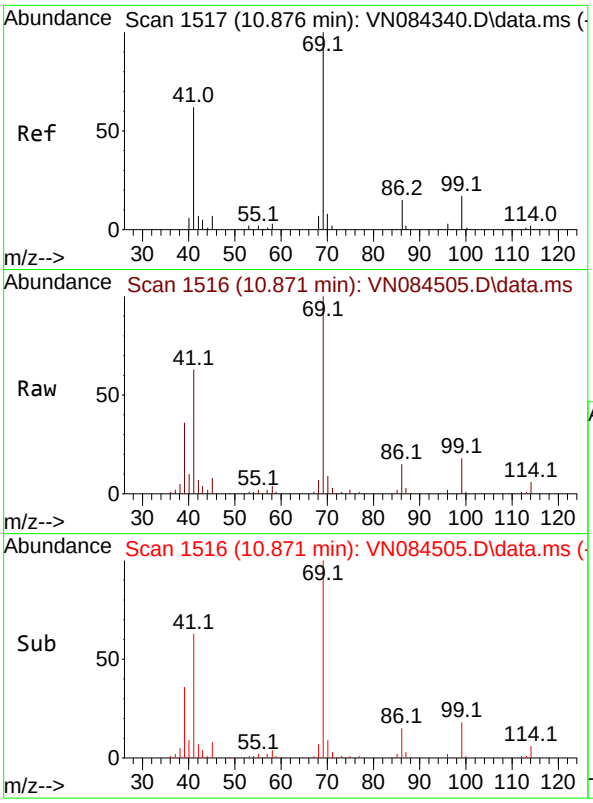


#50
1,1,2-Trichloroethane
Concen: 18.654 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 97 Resp: 43132

Ion	Ratio	Lower	Upper
97	100		
83	91.1	67.8	101.8
85	55.1	44.2	66.2
99	62.6	47.8	71.8

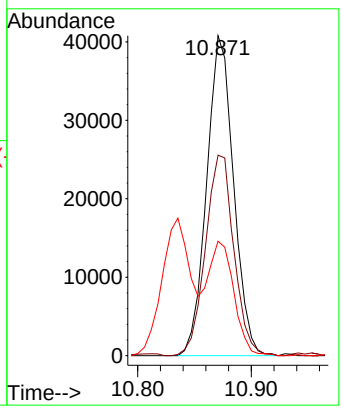




#51
Ethyl methacrylate
Concen: 17.595 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 69 Resp: 6719

Ion	Ratio	Lower	Upper
69	100		
41	62.6	30.9	92.7
39	35.8	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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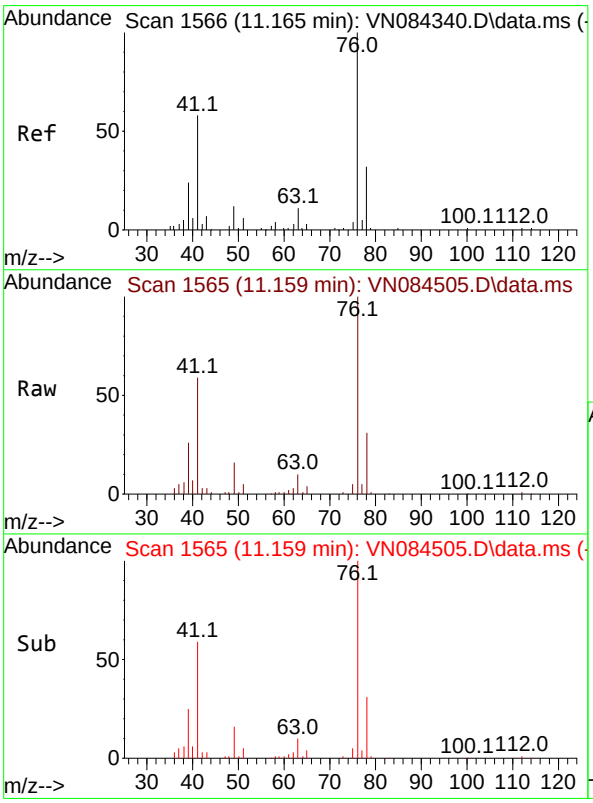
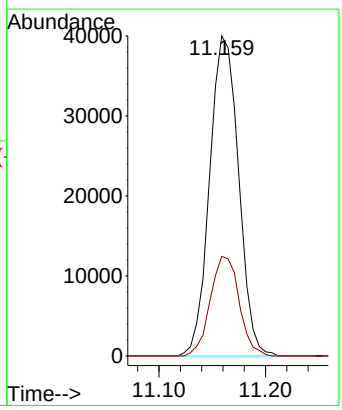
Supervised By :Mahesh Dadoda 10/28/2024

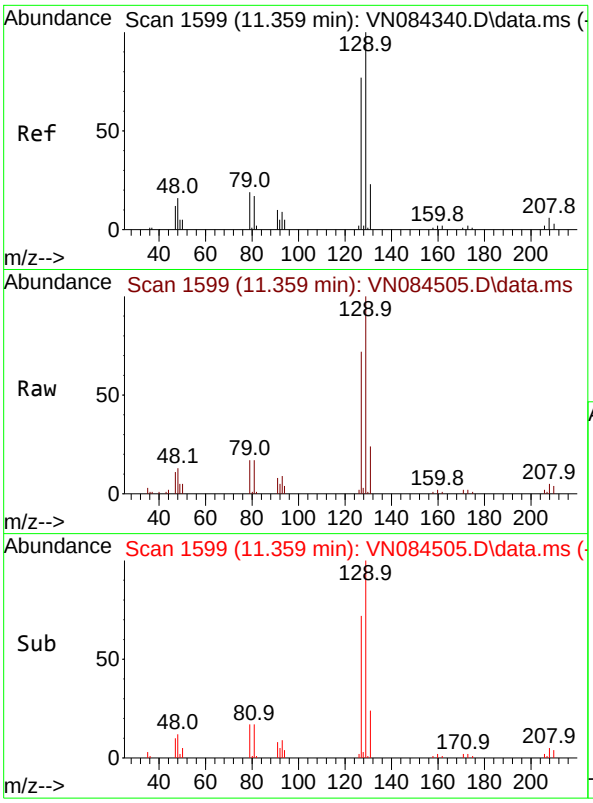


#52
1,3-Dichloropropane
Concen: 18.688 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 76 Resp: 75556

Ion	Ratio	Lower	Upper
76	100		
78	31.0	0.0	64.2

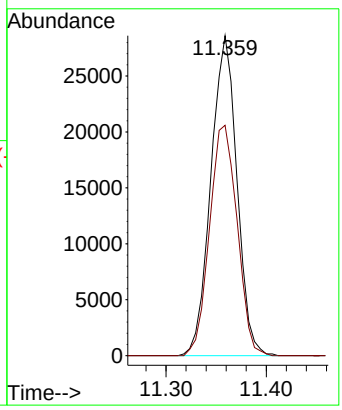




#53
Dibromochloromethane
Concen: 18.898 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:129 Resp: 5161

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5



Instrument :
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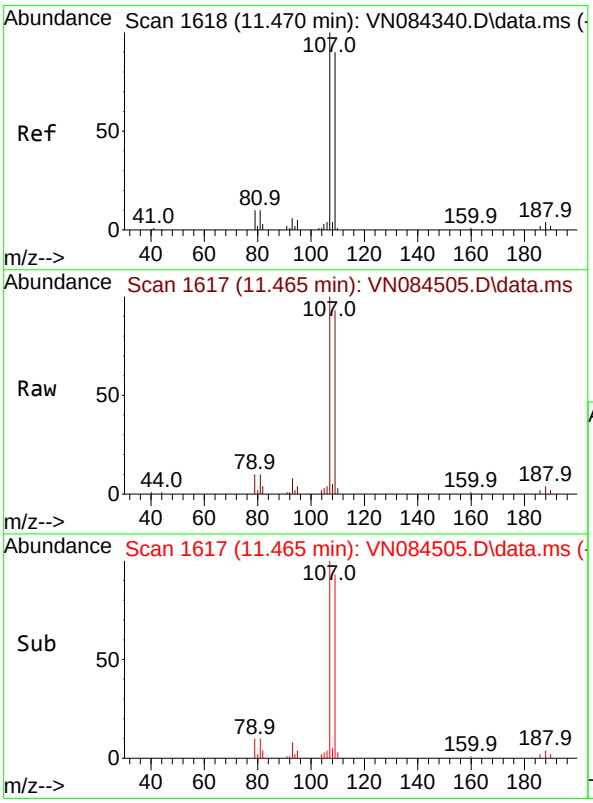
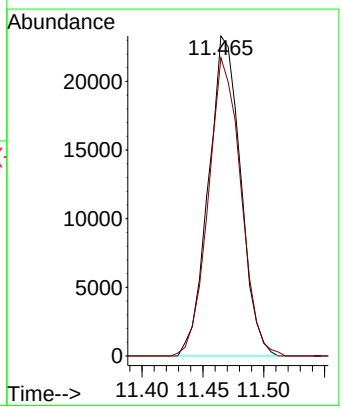
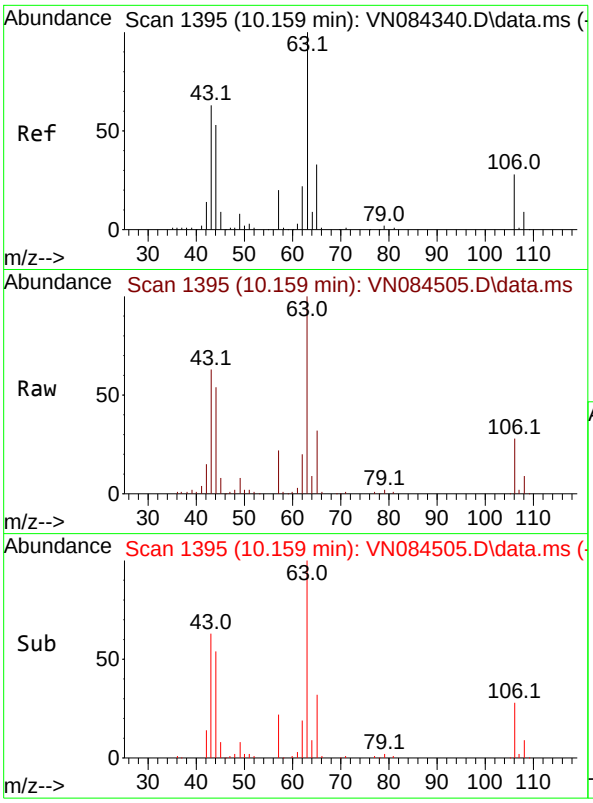


#54
1,2-Dibromoethane
Concen: 17.984 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:107 Resp: 42803

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.6

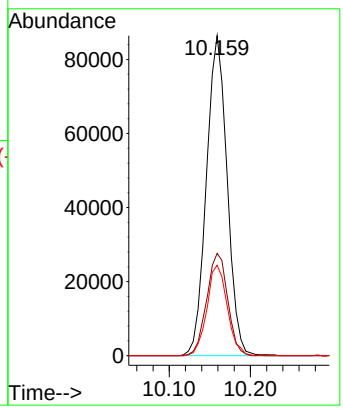




#55
2-Chloroethyl vinyl ether
Concen: 88.521 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 63 Resp: 15333

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	27.7	21.6	32.4



Instrument :
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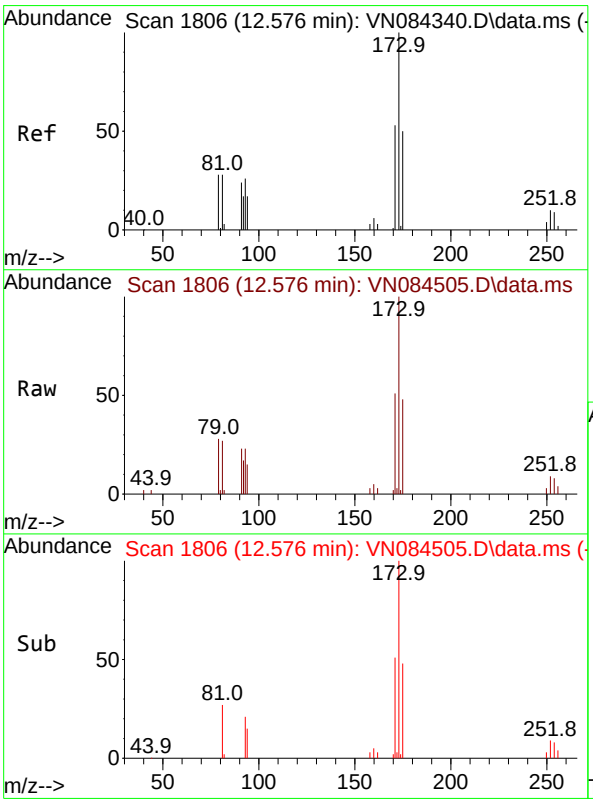
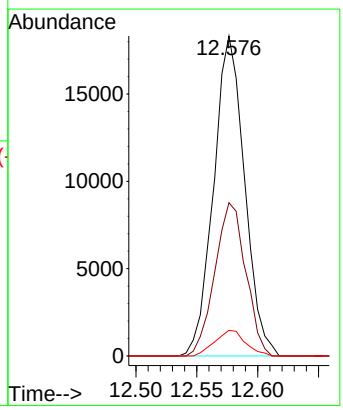
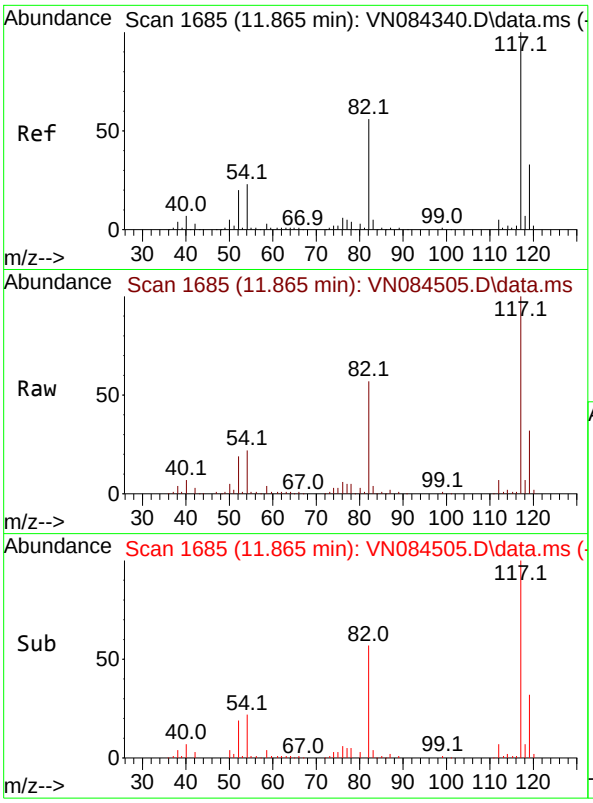


#56
Bromoform
Concen: 17.883 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:173 Resp: 32397

Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.4	59.2
254	7.9	6.8	10.2

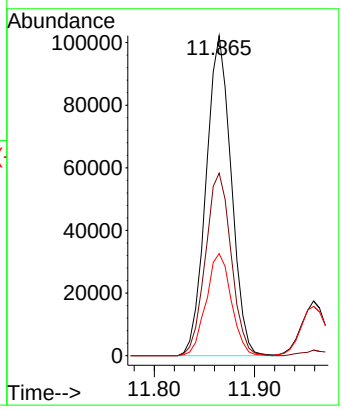




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:117 Resp: 17848

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
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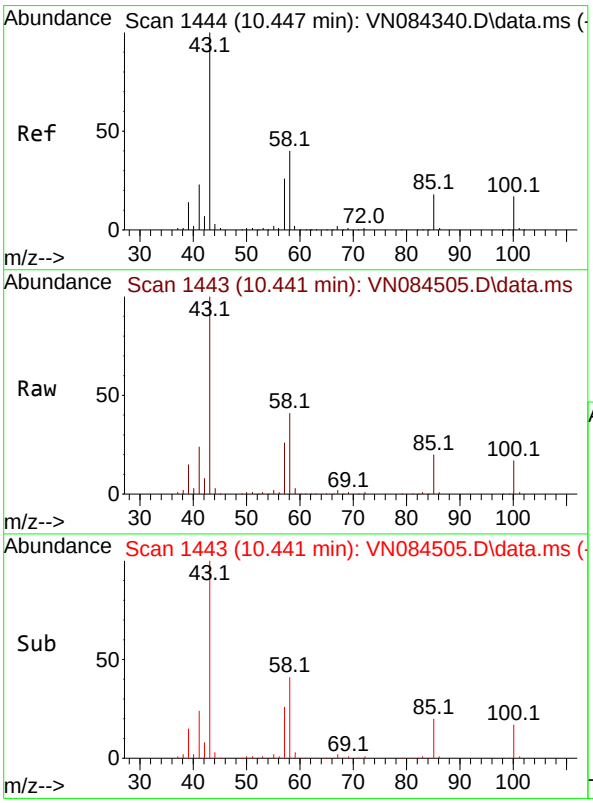
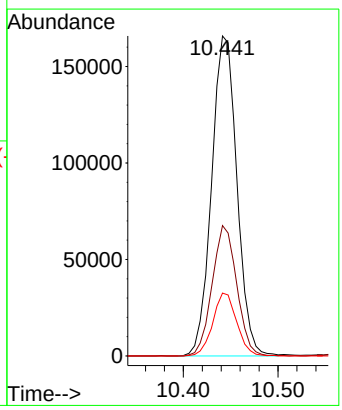
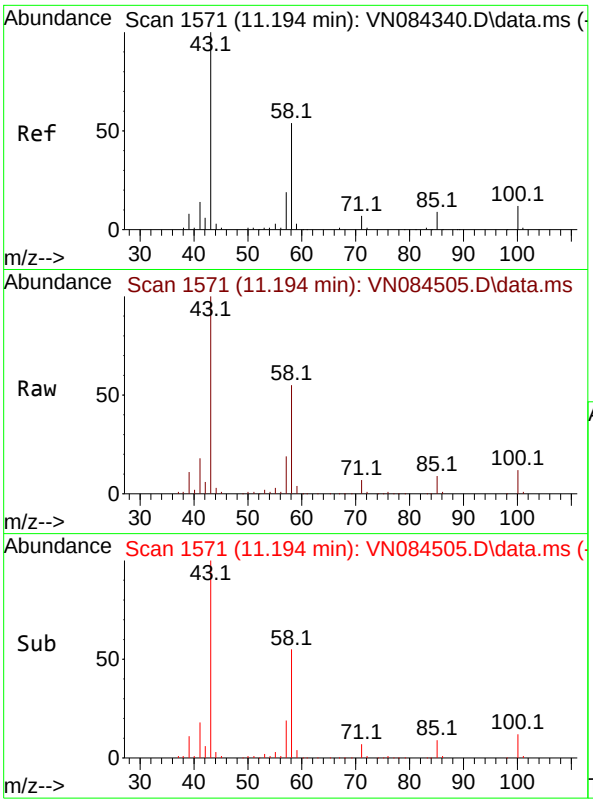


#58
4-Methyl-2-Pentanone
Concen: 92.625 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 307964

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9
85	18.6	14.6	22.0

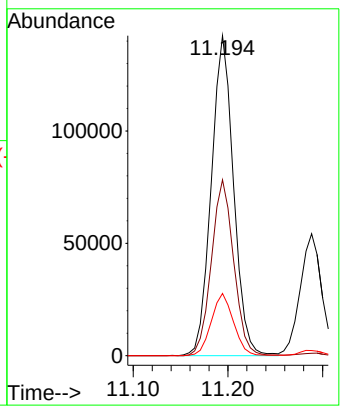




#59
2-Hexanone
Concen: 94.363 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 23313

Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.0	66.0
57	19.4	15.4	23.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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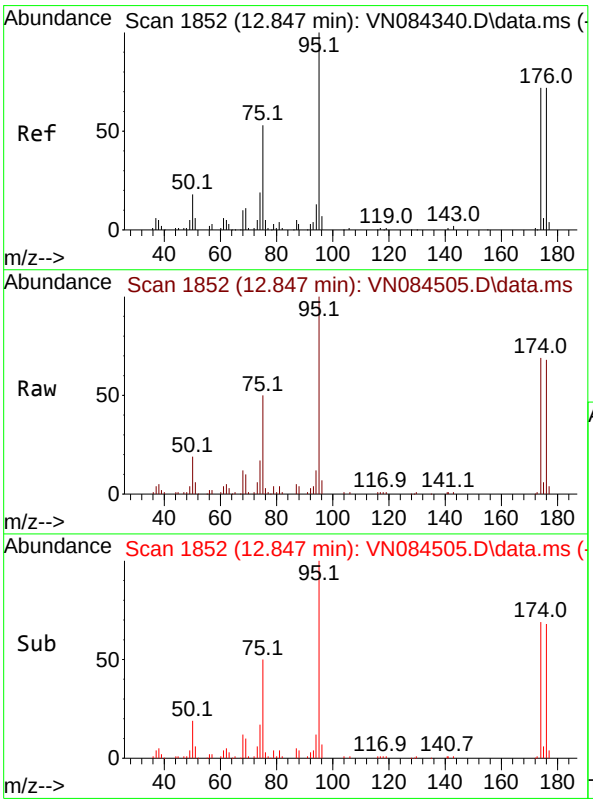
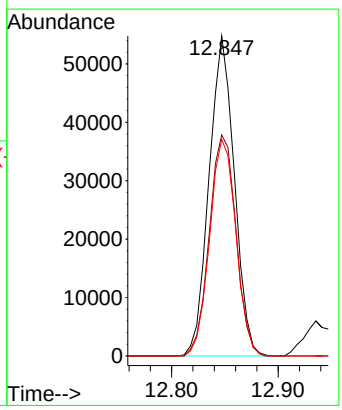
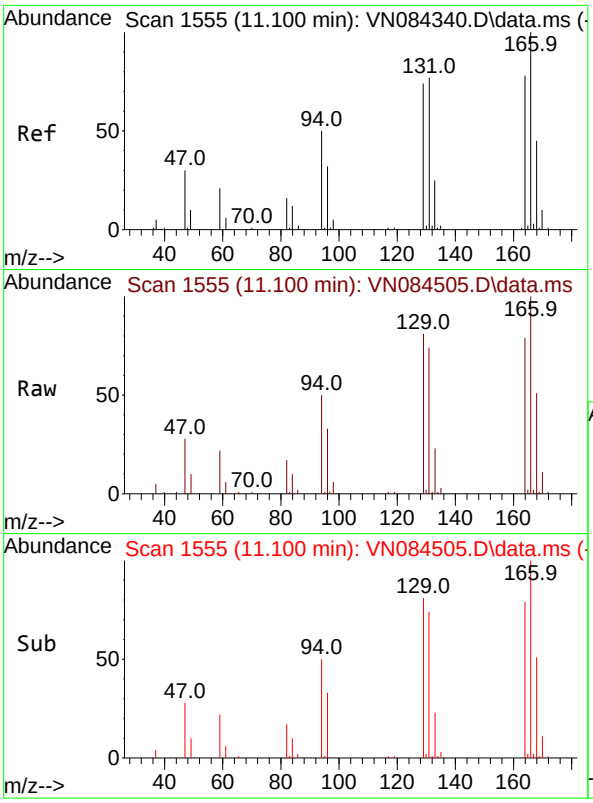


#60
4-Bromofluorobenzene
Concen: 30.625 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 95 Resp: 90213

Ion	Ratio	Lower	Upper
95	100		
174	72.8	58.2	87.2
176	70.3	56.4	84.6

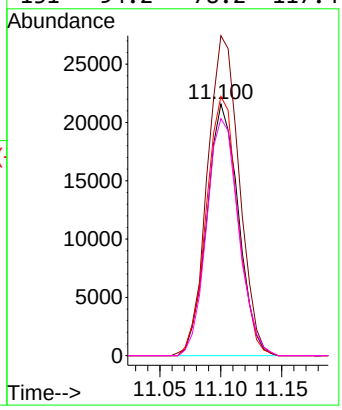




#61
Tetrachloroethene
Concen: 19.296 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:164 Resp: 3895

Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.5	153.7
129	103.0	75.7	113.5
131	94.2	78.2	117.4



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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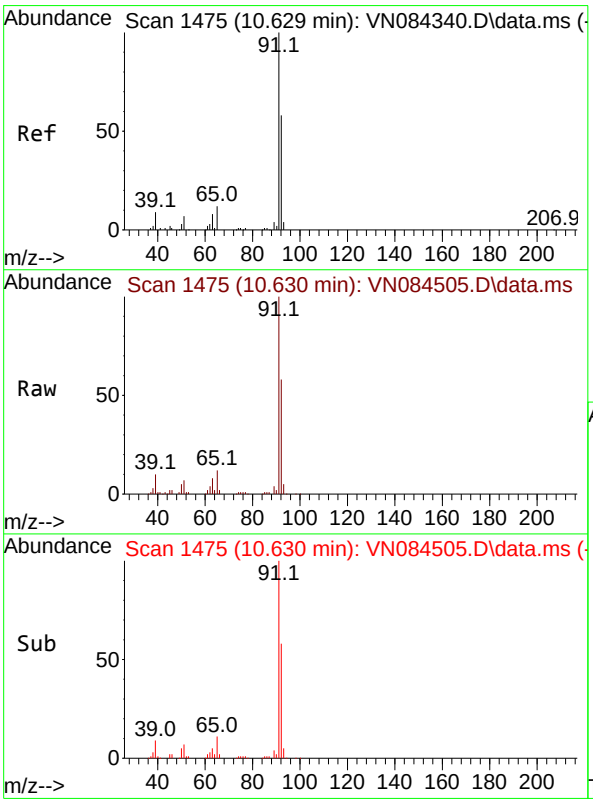
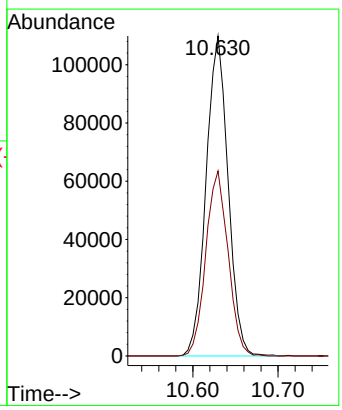
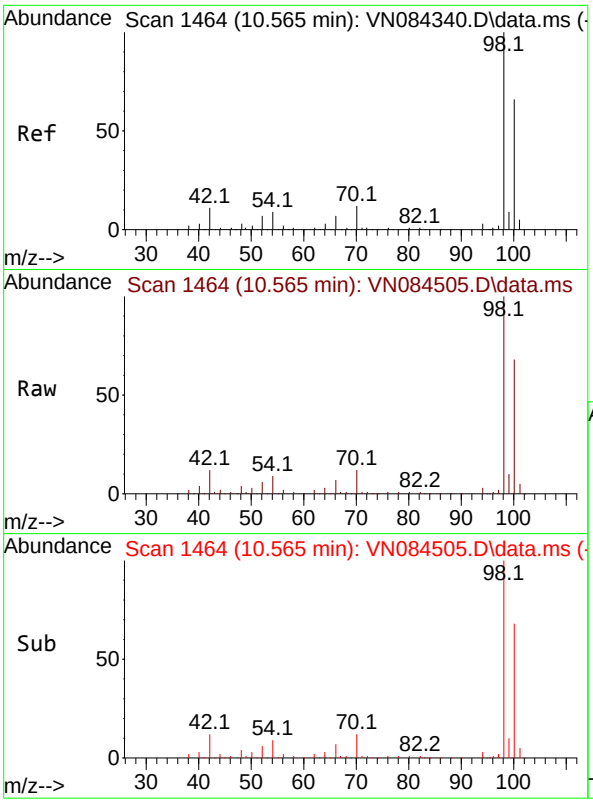


#62
Toluene
Concen: 18.818 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 196630

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.2	70.8





#63
Toluene-d8
Concen: 29.883 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 98 Resp: 24708

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7

Instrument :
MSVOA_N
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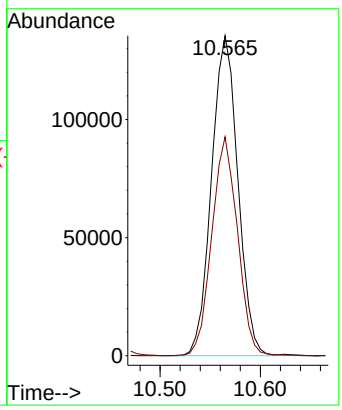
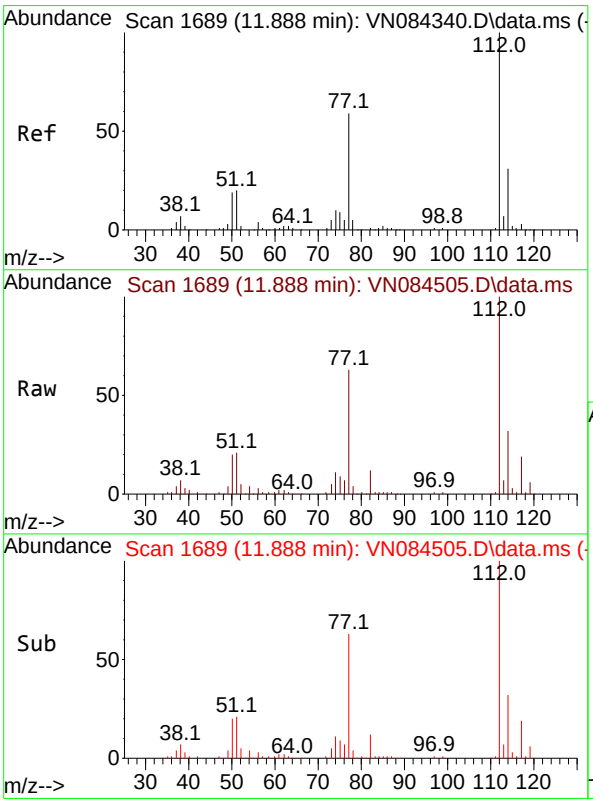
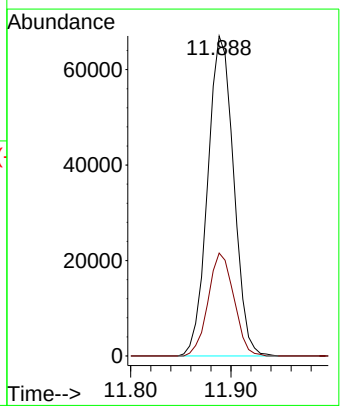


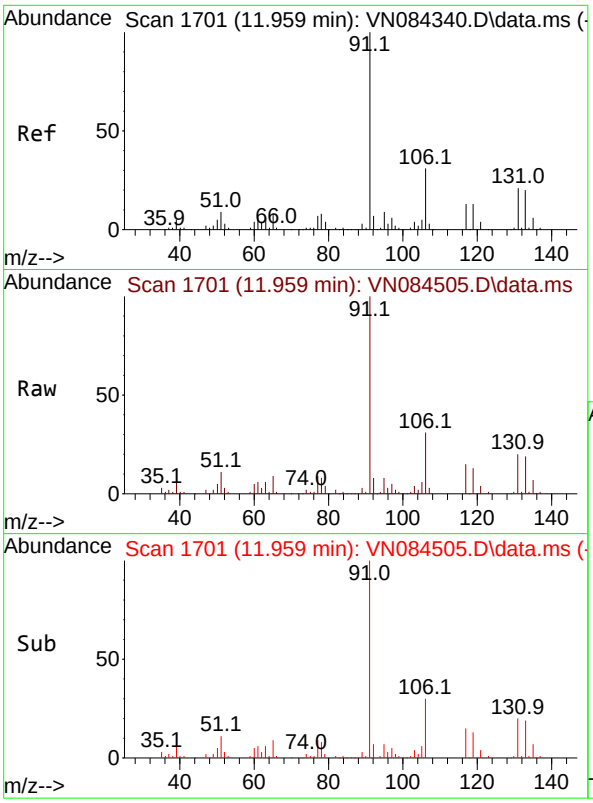


#64
Chlorobenzene
Concen: 18.545 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:112 Resp: 120580

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7





#65
1,1,1,2-Tetrachloroethane
Concen: 19.294 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:131 Resp: 4358

Ion	Ratio	Lower	Upper
131	100		
133	91.4	0.0	190.4
119	64.1	0.0	130.0

Instrument :
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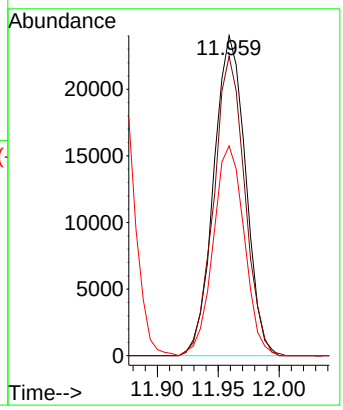
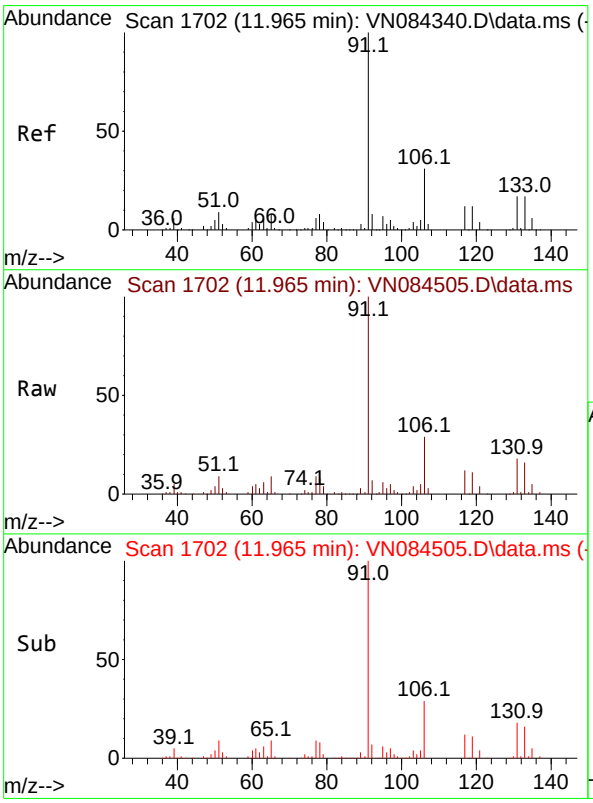
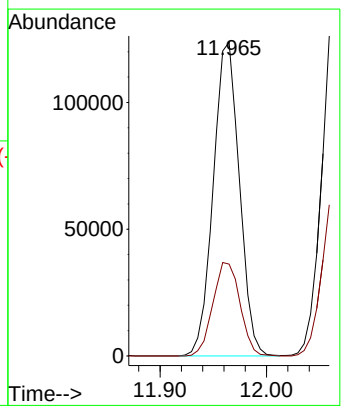


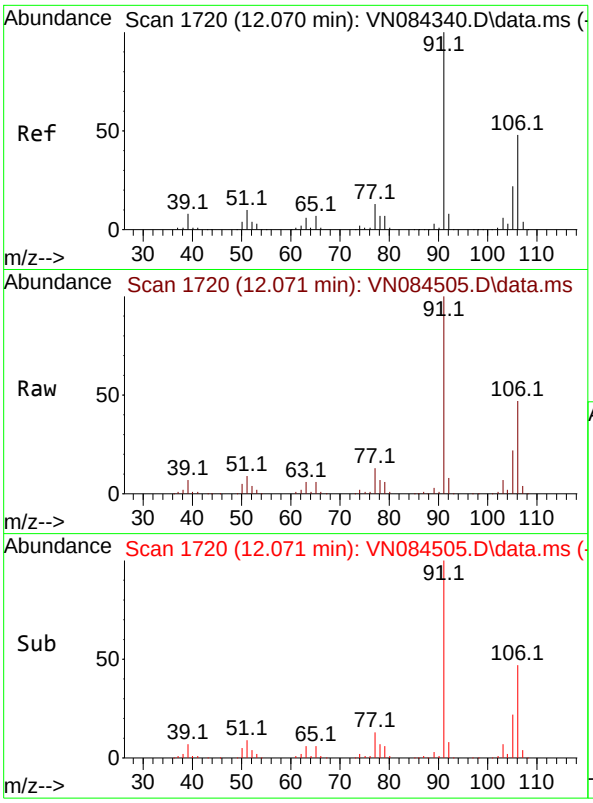


#66
Ethyl Benzene
Concen: 18.569 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 210798

Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.2	37.8

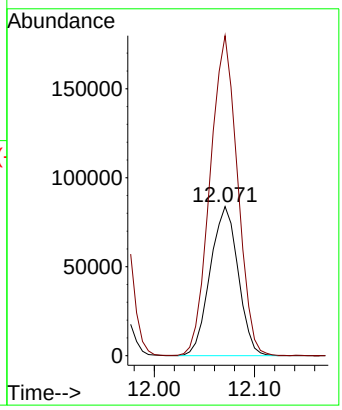




#67
m/p-Xylenes
Concen: 37.626 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:106 Resp: 16203

Ion	Ratio	Lower	Upper
106	100		
91	210.7	166.7	250.1



Instrument :
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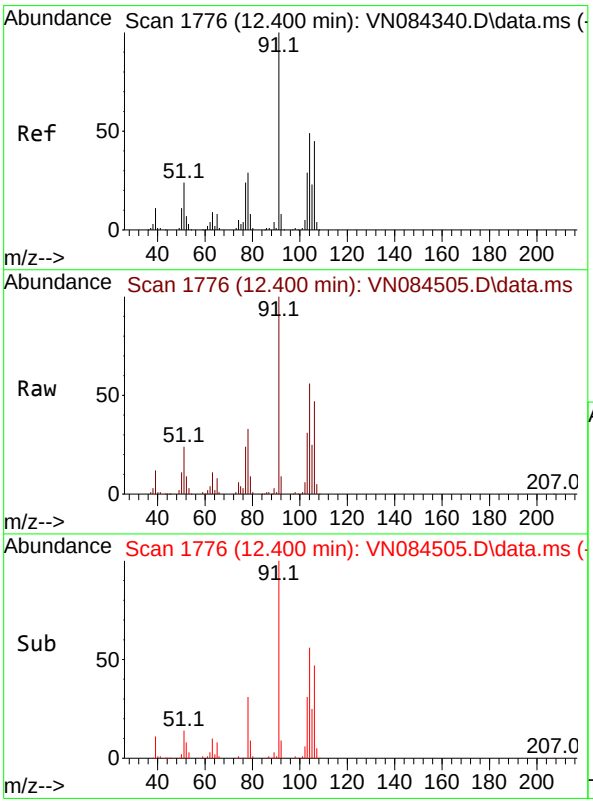
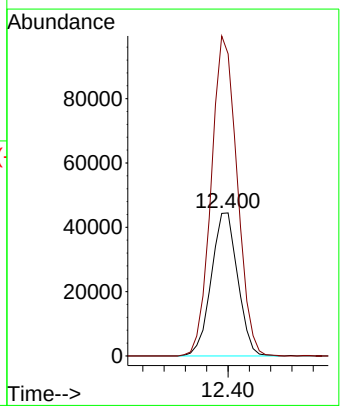
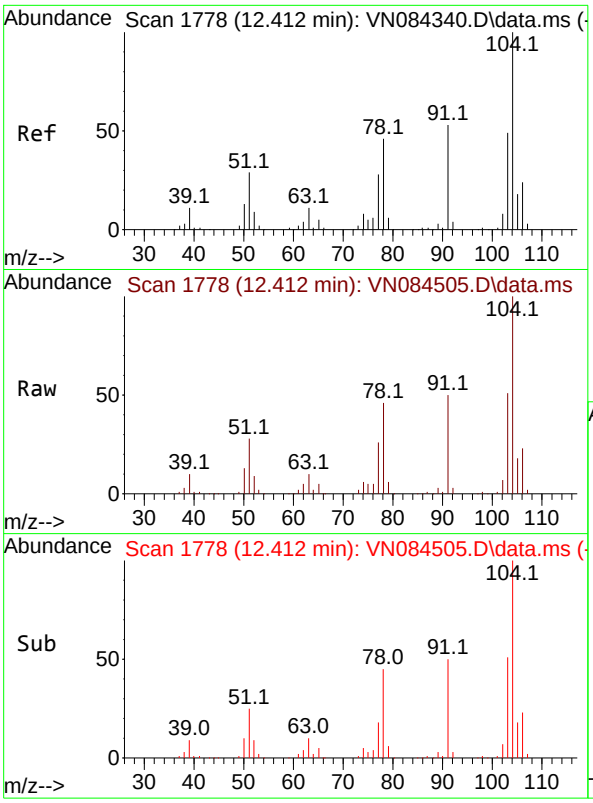


#68
o-Xylene
Concen: 18.426 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:106 Resp: 76484

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.9	332.9

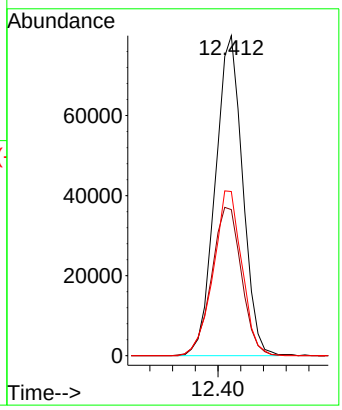




#69
Styrene
Concen: 18.768 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:104 Resp: 13373

Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.6	62.4
103	53.9	44.4	66.6



Instrument :
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ClientSampleId :
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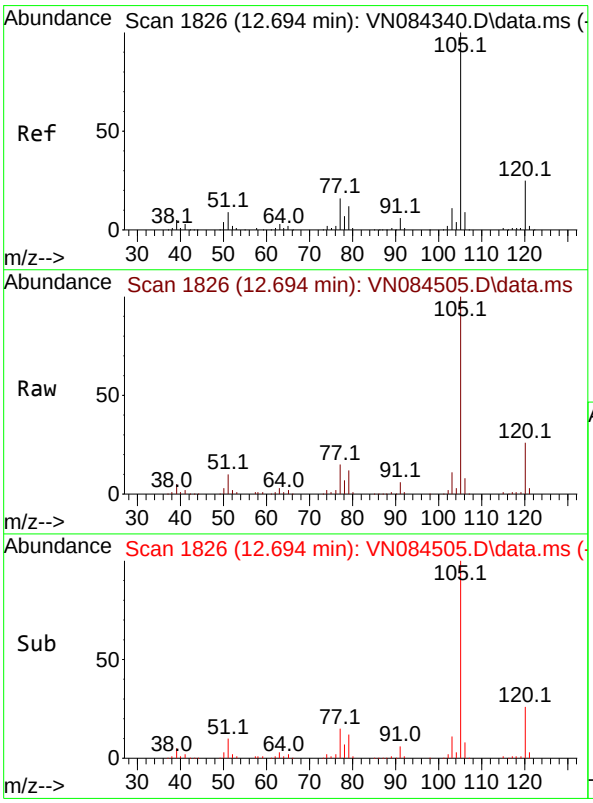
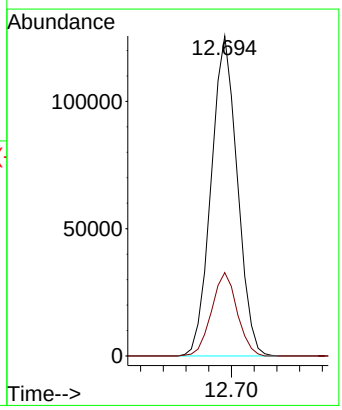
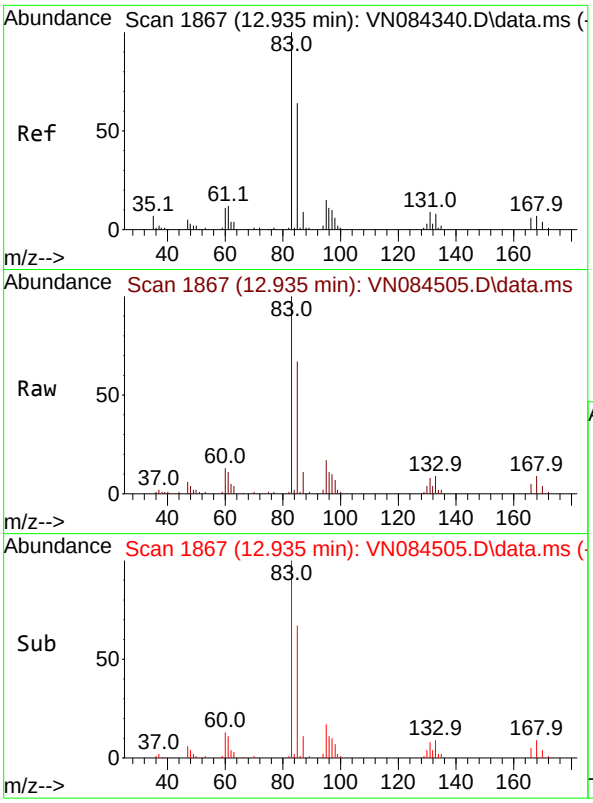


#70
Isopropylbenzene
Concen: 18.952 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 200837

Ion	Ratio	Lower	Upper
105	100		
120	25.5	17.4	32.4

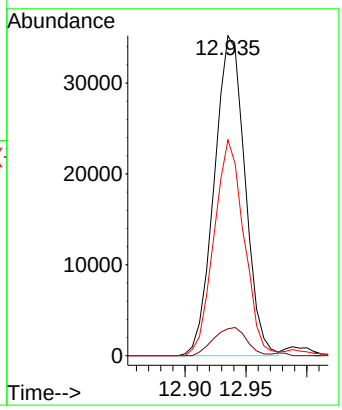




#71
1,1,2,2-Tetrachloroethane
Concen: 18.874 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 83 Resp: 6187

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.3
85	65.8	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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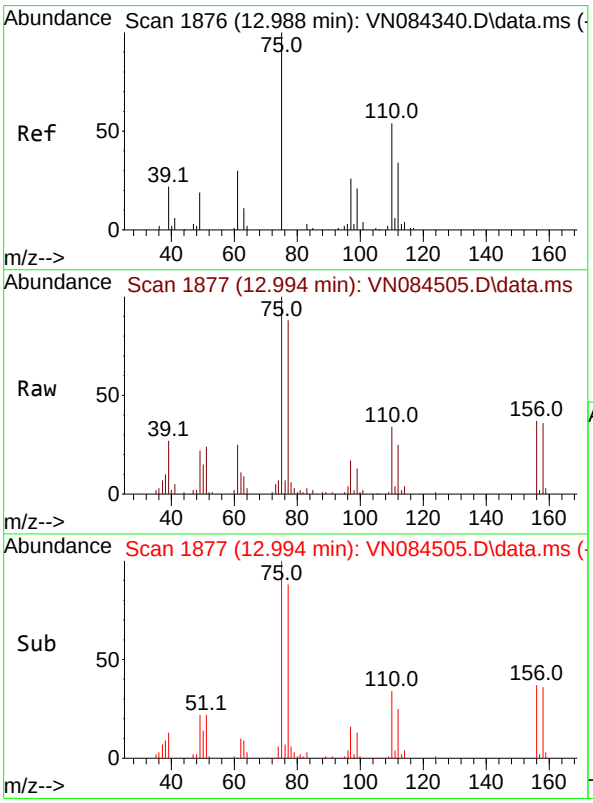
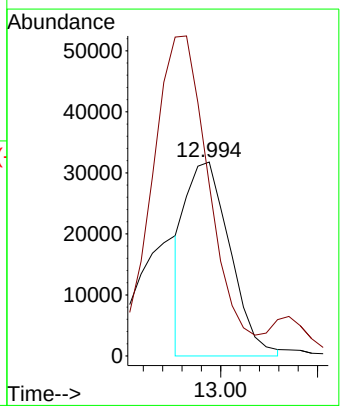
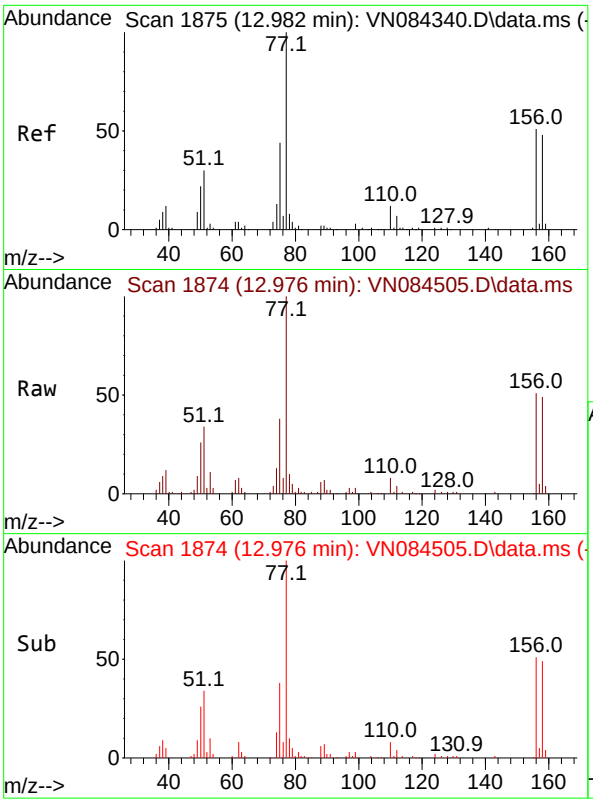


#72
1,2,3-Trichloropropane
Concen: 18.029 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 50617

Ion	Ratio	Lower	Upper
75	100		
77	214.0	0.0	414.0





#73
Bromobenzene
Concen: 19.075 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:156 Resp: 4895

Ion	Ratio	Lower	Upper
156	100		
77	221.3	0.0	451.0
158	96.7	0.0	194.6

Instrument :
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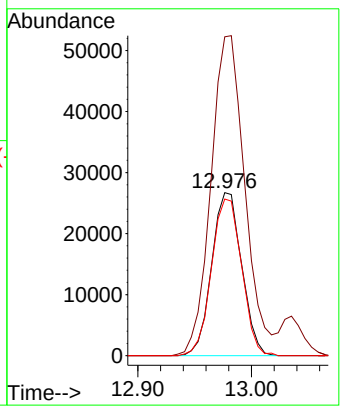
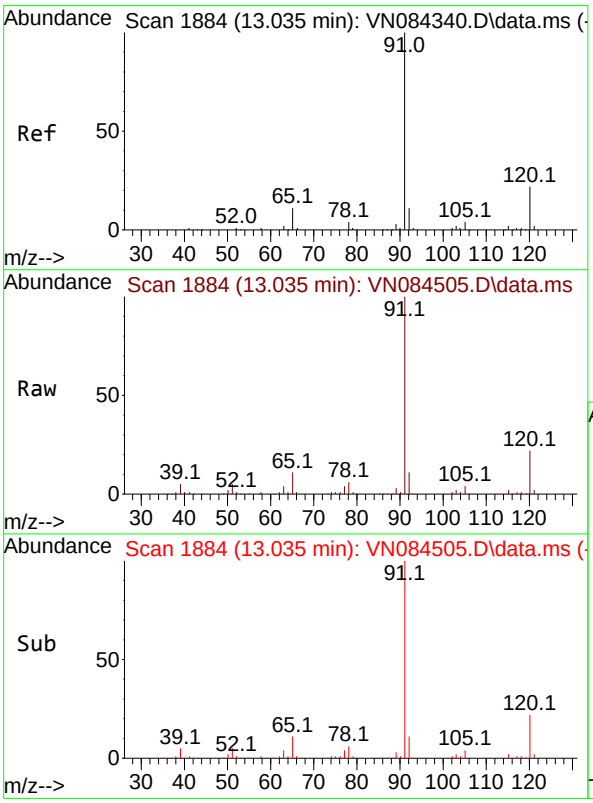
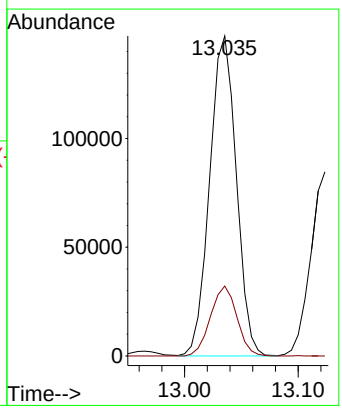


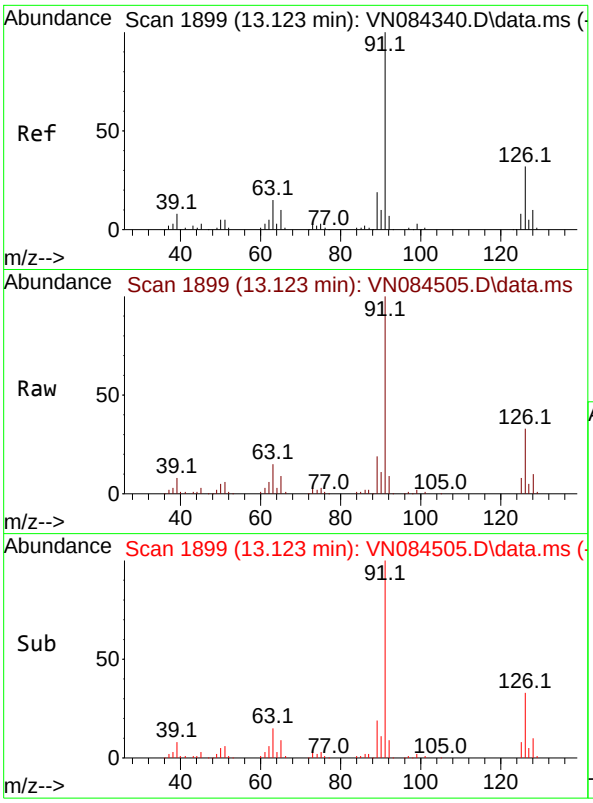


#74
n-propylbenzene
Concen: 19.004 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 239983

Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.2

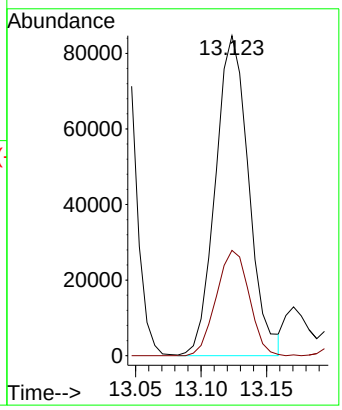




#75
2-Chlorotoluene
Concen: 19.035 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 14936

Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	64.0



Instrument :
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ClientSampleId :
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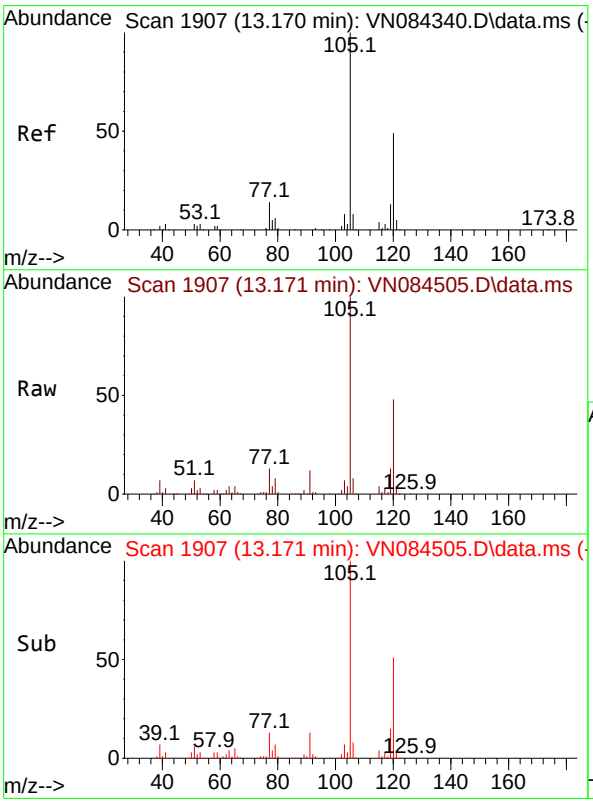
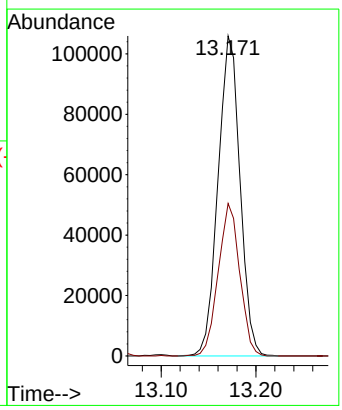
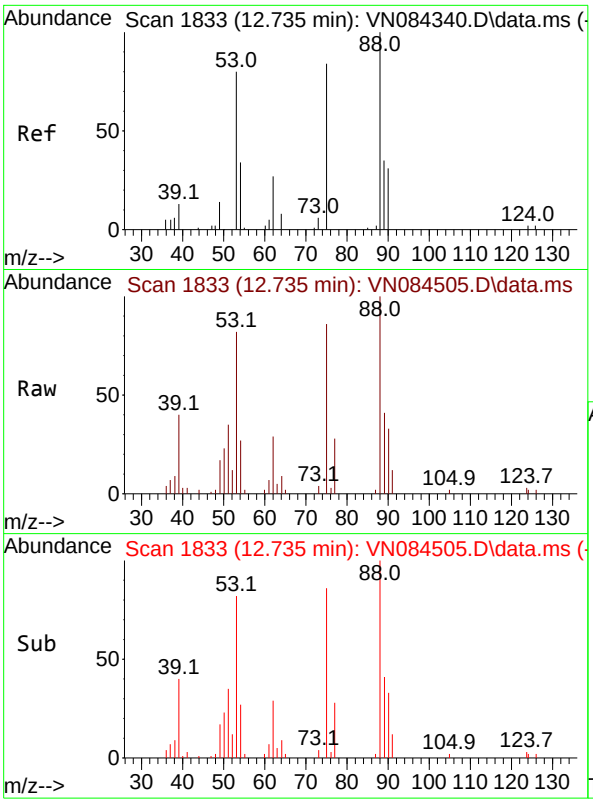


#76
1,3,5-Trimethylbenzene
Concen: 19.133 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 170711

Ion	Ratio	Lower	Upper
105	100		
120	46.7	0.0	94.4

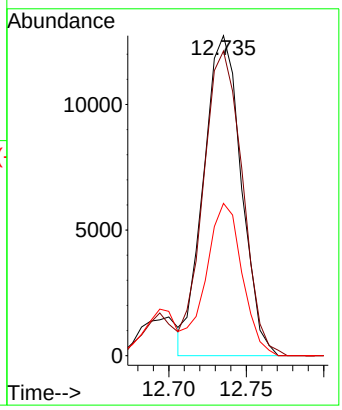




#77
t-1,4-Dichloro-2-butene
Concen: 17.960 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 2154

Ion	Ratio	Lower	Upper
75	100		
53	93.5	47.3	142.0
89	47.6	22.9	68.8



Instrument :
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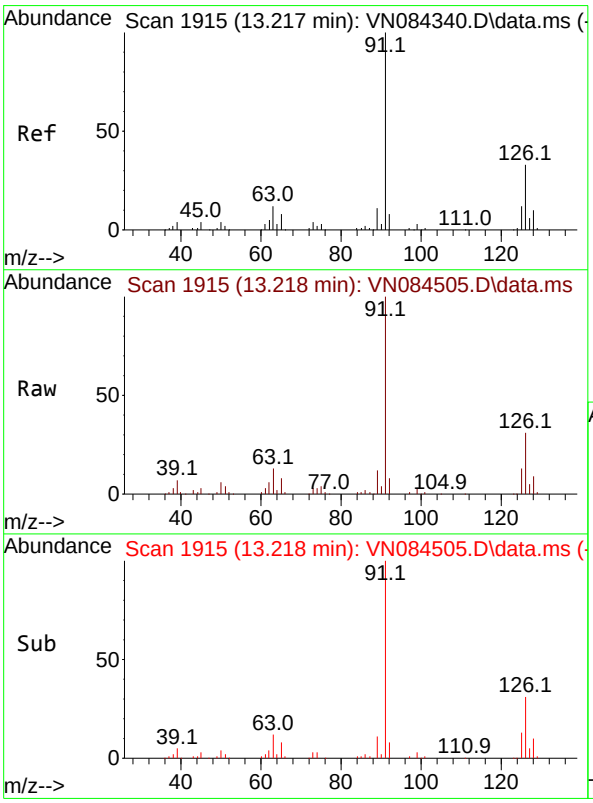
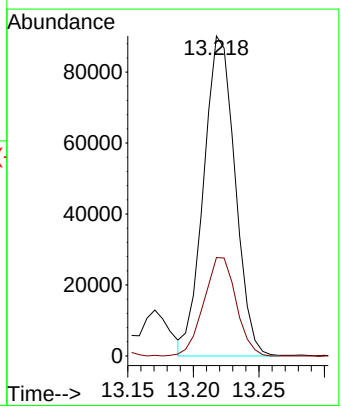
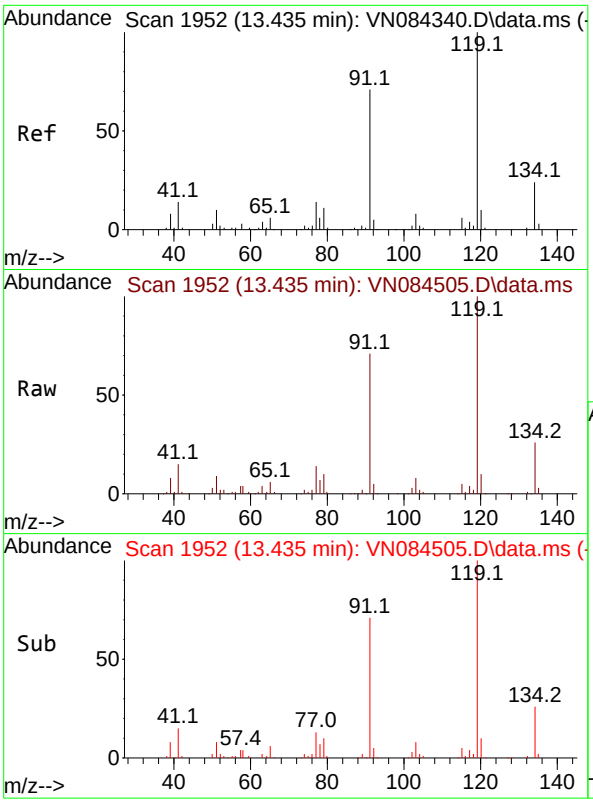


#78
4-Chlorotoluene
Concen: 18.839 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 150297

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.4

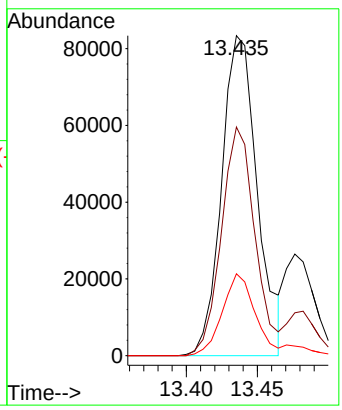




#79
tert-butylbenzene
Concen: 19.156 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:119 Resp: 14582

Ion	Ratio	Lower	Upper
119	100		
91	67.2	0.0	138.0
134	23.4	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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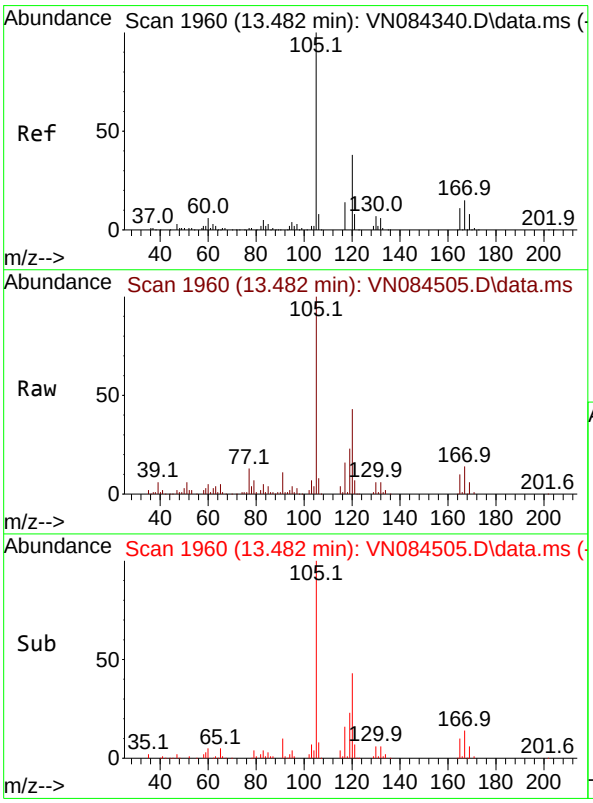
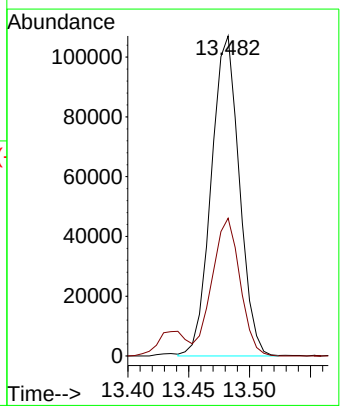
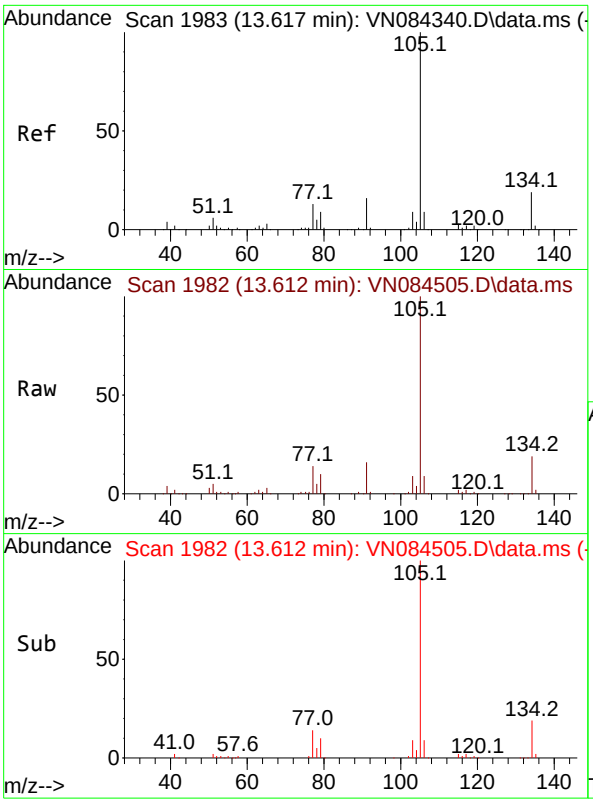


#80
1,2,4-Trimethylbenzene
Concen: 18.972 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 171754

Ion	Ratio	Lower	Upper
105	100		
120	42.8	0.0	88.8

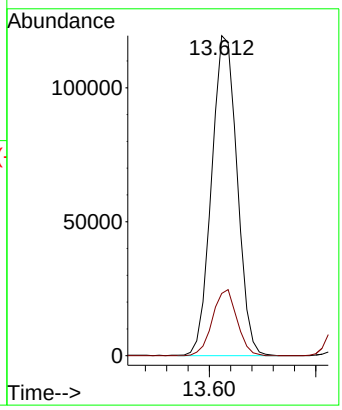




#81
sec-Butylbenzene
Concen: 18.971 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 19881

Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

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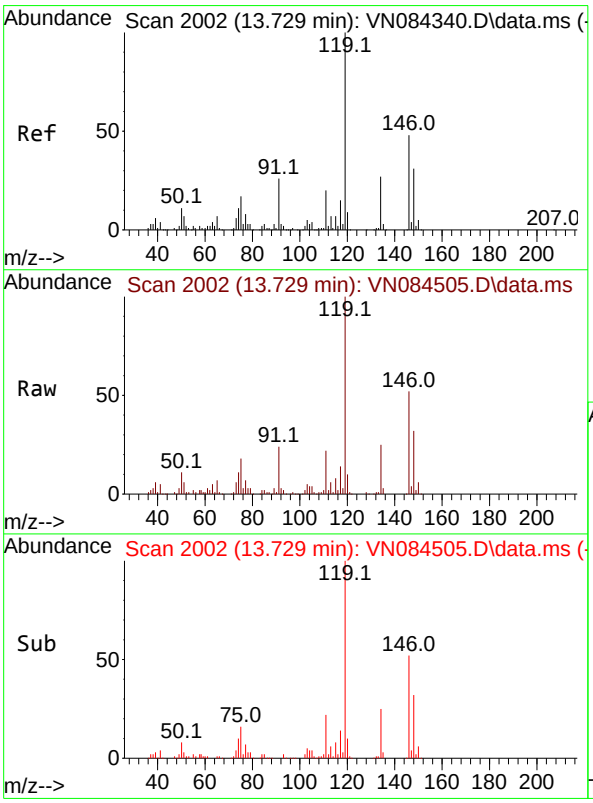
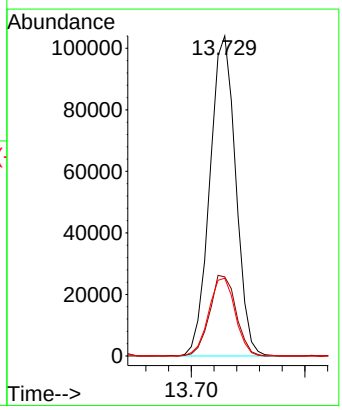
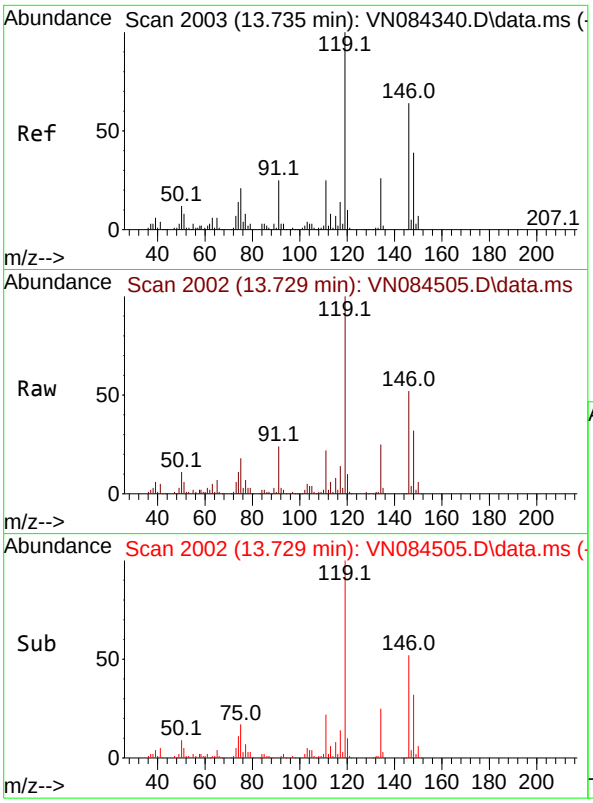


#82
p-Isopropyltoluene
Concen: 18.632 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:119 Resp: 164354

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	50.2
91	24.9	0.0	50.6

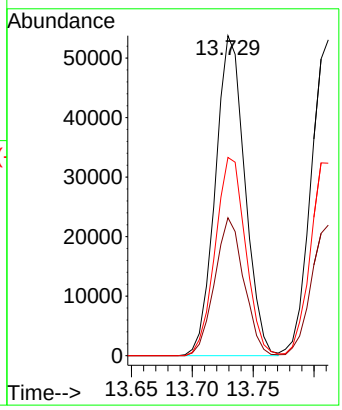




#83
1,3-Dichlorobenzene
Concen: 19.067 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:146 Resp: 9098

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.6	61.9
148	63.5	31.6	94.7



Instrument :
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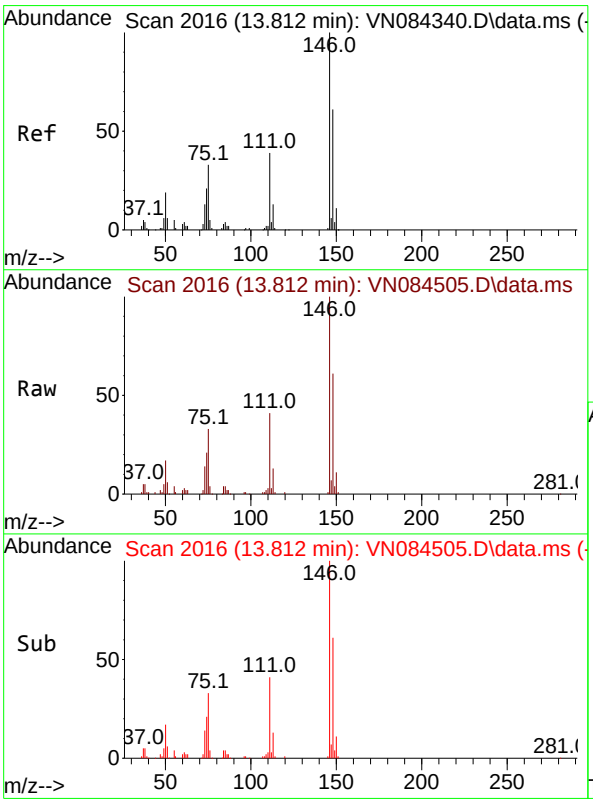
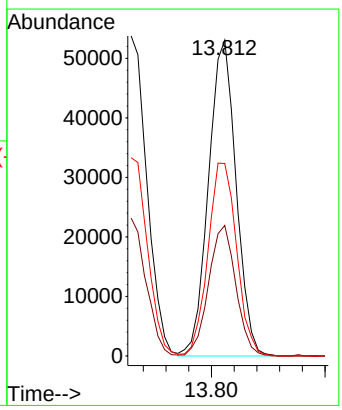
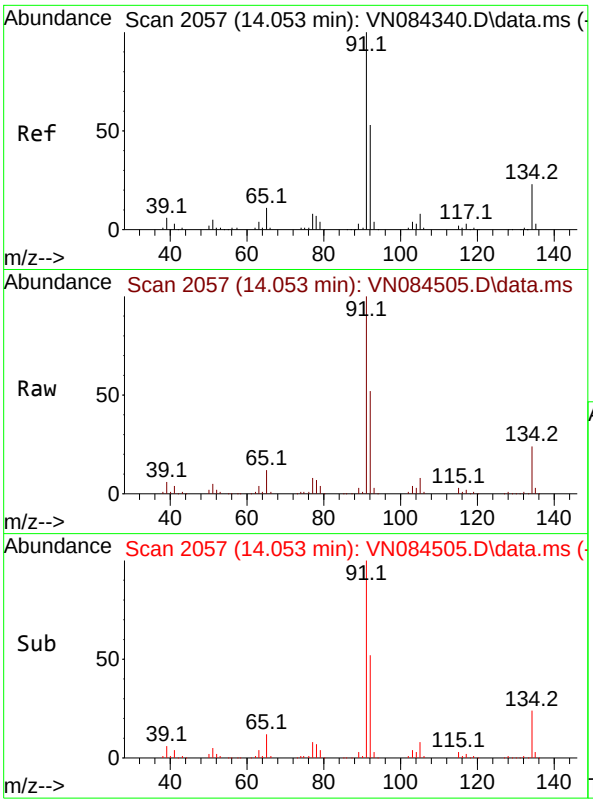


#84
1,4-Dichlorobenzene
Concen: 18.896 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:146 Resp: 89542

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	63.3	32.5	97.4





#85
n-Butylbenzene
Concen: 18.444 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 14091

Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	103.4
134	24.3	0.0	48.0

Instrument :
MSVOA_N
ClientSampleId :
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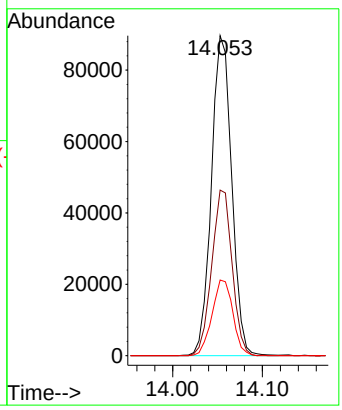
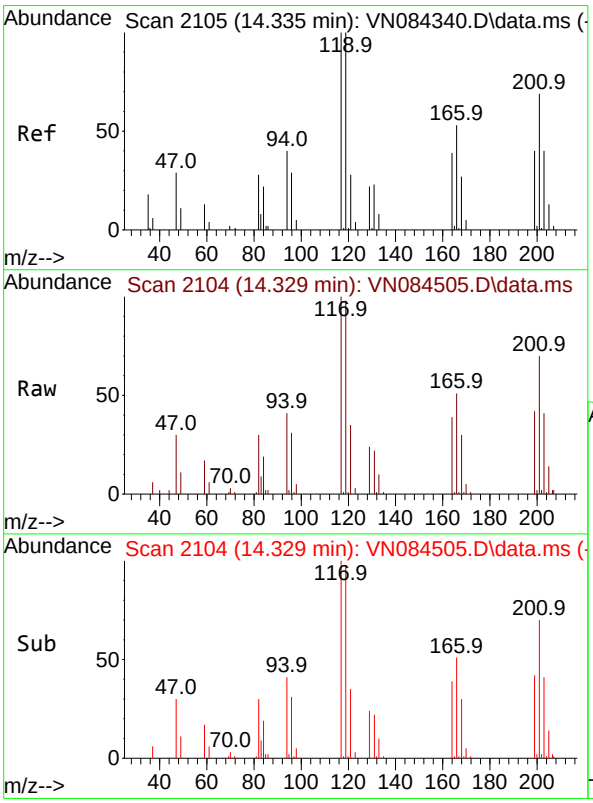
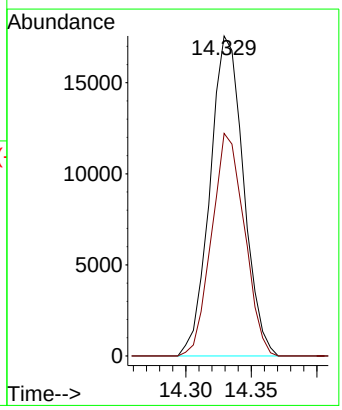


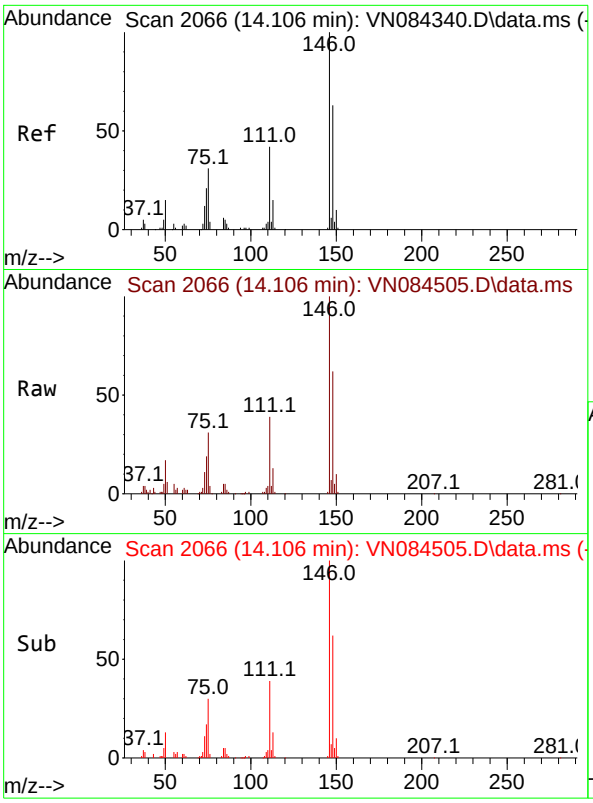


#86
Hexachloroethane
Concen: 18.323 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:117 Resp: 31139

Ion	Ratio	Lower	Upper
117	100		
201	68.0	33.9	101.6

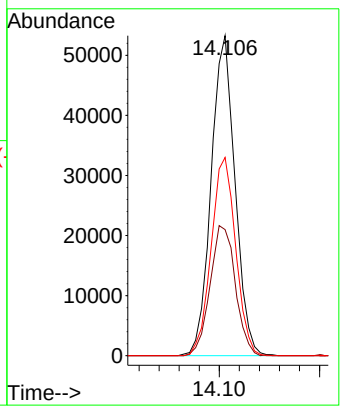




#87
1,2-Dichlorobenzene
Concen: 19.055 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:146 Resp: 8791

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.5
148	63.5	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
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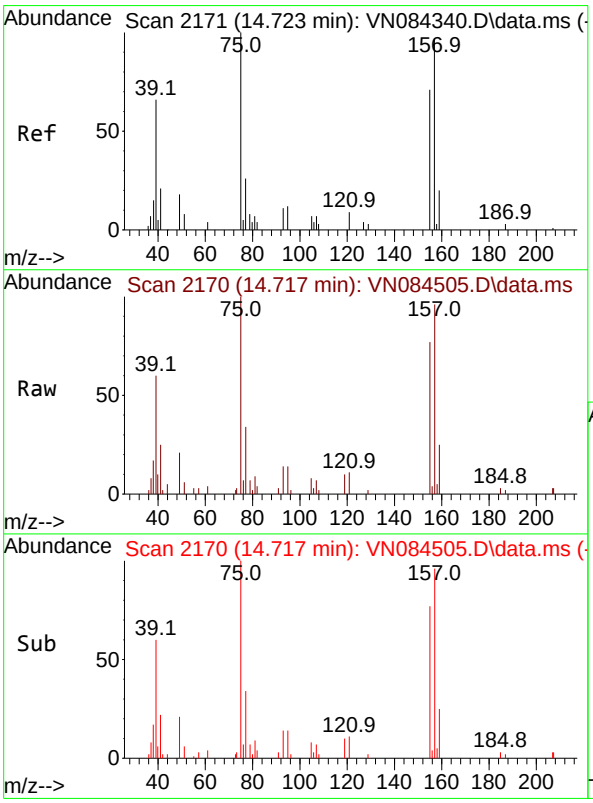
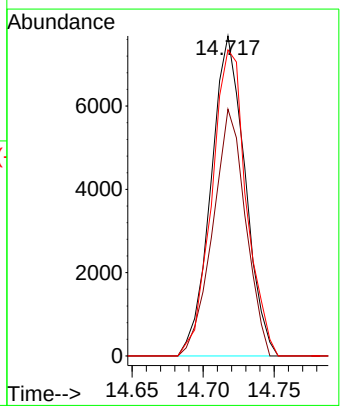
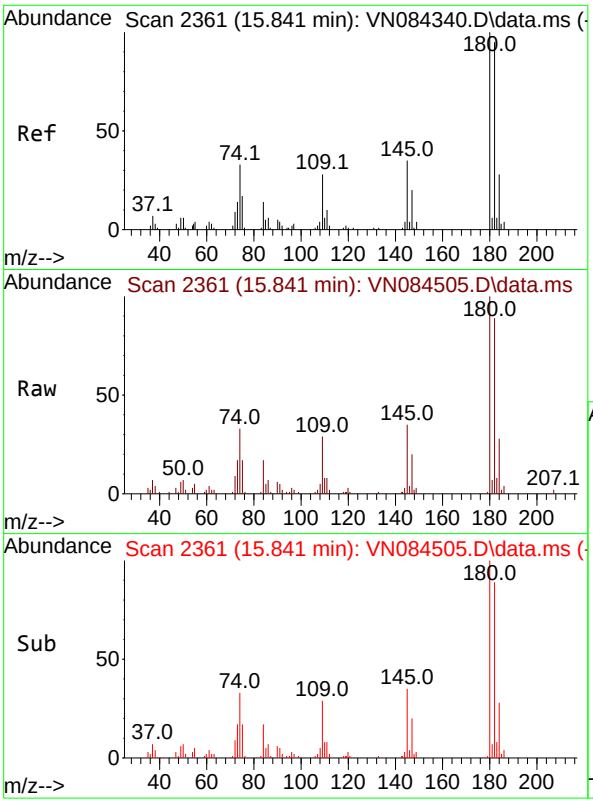


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.150 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 12838

Ion	Ratio	Lower	Upper
75	100		
155	74.0	61.8	92.8
157	96.8	77.4	116.0

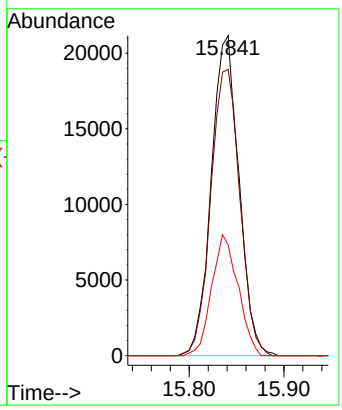




#89
1,2,4-Trichlorobenzene
Concen: 17.861 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:180 Resp: 4284

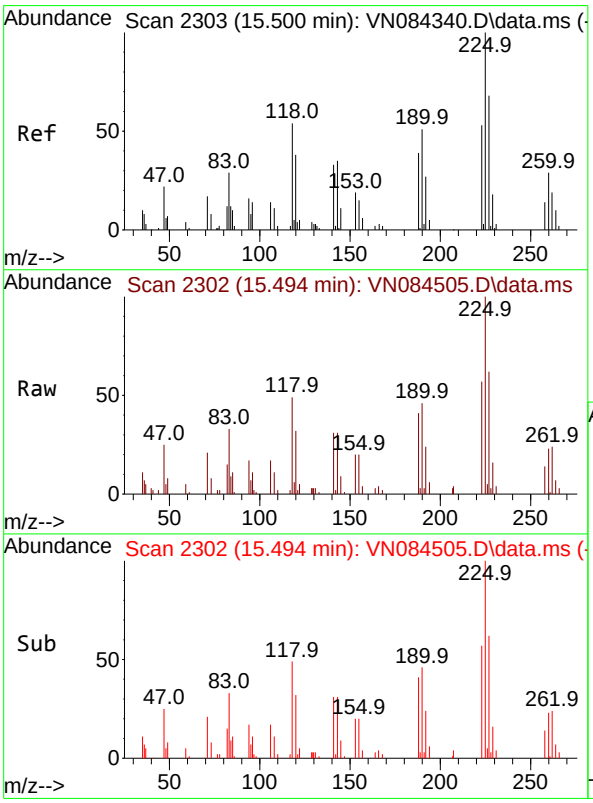
Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.8	116.6
145	36.1	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations APPROVED

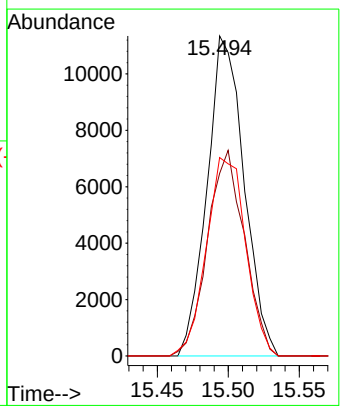
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

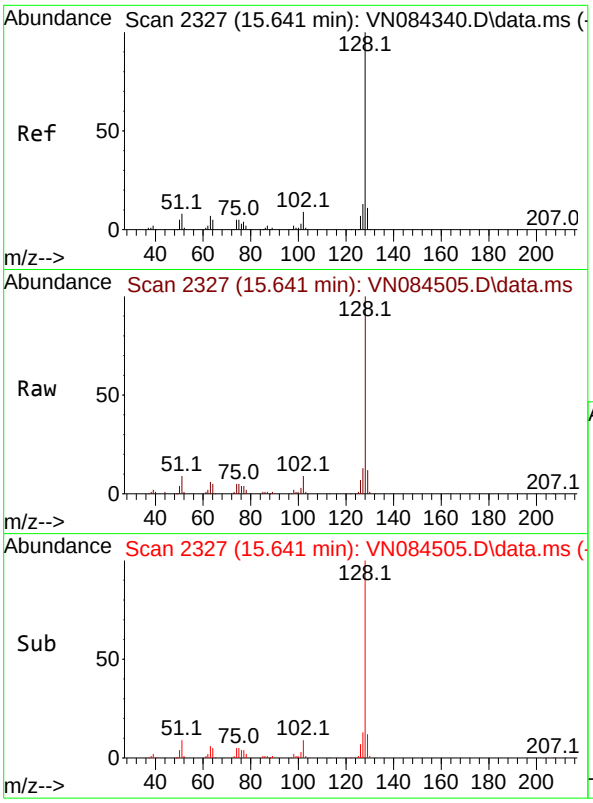


#90
Hexachlorobutadiene
Concen: 18.527 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:225 Resp: 20560

Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	124.0
227	65.7	0.0	130.8

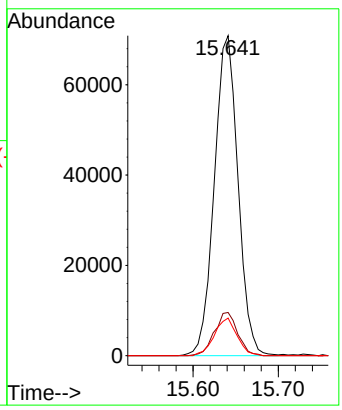




#91
Naphthalene
Concen: 16.837 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:128 Resp: 13686

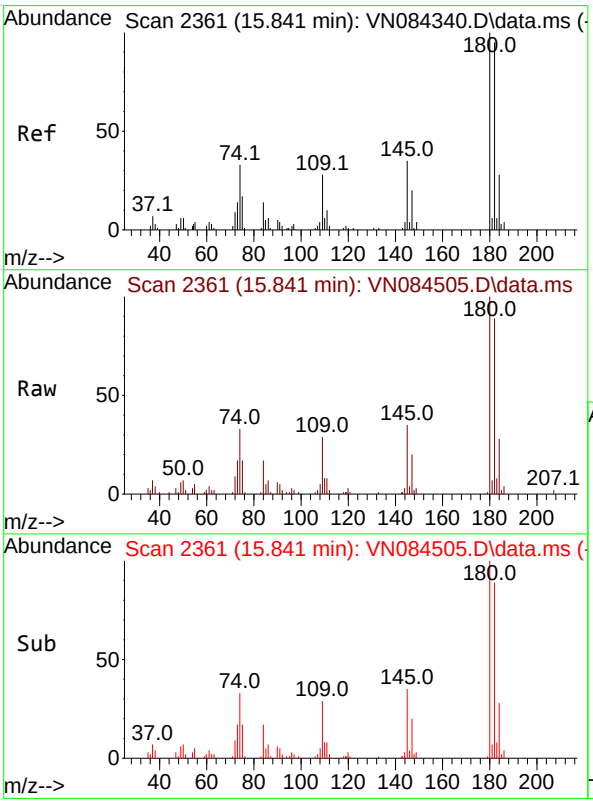
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.3	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
APPROVED

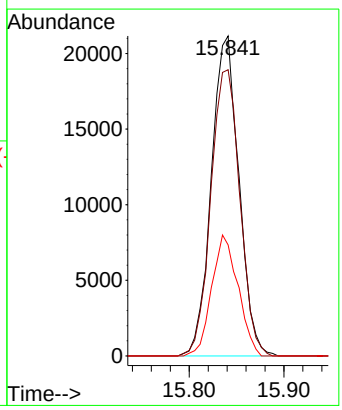
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024



#92
1,2,3-Trichlorobenzene
Concen: 17.861 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:180 Resp: 42844

Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	194.4
145	36.1	0.0	72.2



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	VN1025WBSD01		SDG No.:	P4549	
Lab Sample ID:	VN1025WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group4	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084506.D	1		10/25/24 11:04	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		1.20	5.00	ug/L
74-87-3	Chloromethane	16.8		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	18.0		1.20	5.00	ug/L
74-83-9	Bromomethane	17.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.6		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.9		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		1.10	5.00	ug/L
107-02-8	Acrolein	100		9.30	25.0	ug/L
107-13-1	Acrylonitrile	92.5		3.70	25.0	ug/L
67-64-1	Acetone	110		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	15.9		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	19.1		0.83	5.00	ug/L
79-20-9	Methyl Acetate	21.9		1.20	5.00	ug/L
75-09-2	Methylene Chloride	18.7		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.81	5.00	ug/L
110-82-7	Cyclohexane	17.2		1.00	5.00	ug/L
78-93-3	2-Butanone	97.6		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	19.2		1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.90	5.00	ug/L
67-66-3	Chloroform	18.8		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.2		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	17.1		0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	17.5		0.75	5.00	ug/L
71-43-2	Benzene	18.5		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.75	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	18.2		0.65	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBSD01	SDG No.:	P4549
Lab Sample ID:	VN1025WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084506.D	1		10/25/24 11:04	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	18.4		0.70	5.00	ug/L
75-27-4	Bromodichloromethane	18.5		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.9		4.20	25.0	ug/L
108-88-3	Toluene	18.6		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.8		0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.6		0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	18.5		0.68	5.00	ug/L
591-78-6	2-Hexanone	97.3		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	18.3		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.94	5.00	ug/L
108-90-7	Chlorobenzene	18.5		0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.9		0.91	5.00	ug/L
67-72-1	Hexachloroethane	17.6		0.91	5.00	ug/L
100-41-4	Ethyl Benzene	18.2		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	37.3		1.70	10.0	ug/L
95-47-6	o-Xylene	18.5		0.82	5.00	ug/L
100-42-5	Styrene	18.3		0.80	5.00	ug/L
75-25-2	Bromoform	18.2		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	21.3		1.70	5.00	ug/L
108-86-1	Bromobenzene	18.2		0.69	5.00	ug/L
103-65-1	n-propylbenzene	18.3		0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	18.6		0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.5		0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	18.3		0.82	5.00	ug/L
98-06-6	tert-butylbenzene	18.8		0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	18.1		0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	18.5		0.77	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1025WBSD01	SDG No.:	P4549
Lab Sample ID:	VN1025WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084506.D	1		10/25/24 11:04	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	18.3		0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.95	5.00	ug/L
104-51-8	n-Butylbenzene	17.4		0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.4		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	17.6		1.10	5.00	ug/L
91-20-3	Naphthalene	16.7		1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		1.40	5.00	ug/L
74-88-4	Methyl Iodide	17.5		0.94	5.00	ug/L
80-62-6	Methyl methacrylate	18.0		1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.3		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.3		63 - 112	101%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	34700	7.812			
540-36-3	1,4-Difluorobenzene	195000	9.1			
3114-55-4	Chlorobenzene-d5	178000	11.865			

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\VN102524\
Data File : VN084506.D
Acq On : 25 Oct 2024 11:04
Operator : JC\MD
Sample : VN1025WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	34702	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	195213	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	177752	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84628	30.291	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.967%			
60) 4-Bromofluorobenzene	12.847	95	88864	30.291	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.967%			
63) Toluene-d8	10.565	98	243186	29.532	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	36422	17.191	ug/l	97
3) Chloromethane	2.359	50	40390	16.752	ug/l	100
4) Vinyl Chloride	2.512	62	42500	17.975	ug/l	90
5) Bromomethane	2.965	94	26896	17.170	ug/l	91
6) Chloroethane	3.124	64	28823	18.595	ug/l	96
7) Trichlorofluoromethane	3.495	101	70666	18.349	ug/l	100
8) Diethyl Ether	3.959	74	25446	17.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	40889	18.882	ug/l	97
10) 1,1-Dichloroethene	4.336	96	38691	17.906	ug/l	88
11) Methyl Iodide	4.589	142	49750	17.521	ug/l	98
12) Methyl Acetate	5.024	43	59249	21.903	ug/l	97
13) Acrolein	4.177	56	52346	104.172	ug/l	99
14) Acrylonitrile	5.718	53	112460	92.538	ug/l	98
15) Acetone	4.424	58	38657	111.353	ug/l	96
16) Carbon Disulfide	4.712	76	102112	15.870	ug/l	97
17) Allyl chloride	5.024	41	63362	18.090	ug/l	98
18) Methylene Chloride	5.283	84	45436	18.667	ug/l	95
19) trans-1,2-Dichloroethene	5.789	96	40072	17.523	ug/l	97
20) Diisopropyl ether	6.671	45	143102	19.002	ug/l	97
21) 1,1-Dichloroethane	6.571	63	80838	18.707	ug/l	94
22) cis-1,2-Dichloroethene	7.488	96	49067	18.439	ug/l	97
23) tert-Butyl Alcohol	5.518	59	43998	94.385	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	138022	19.114	ug/l #	87
25) Chloroform	7.965	83	82367	18.820	ug/l	95
26) Cyclohexane	8.253	56	62057	17.171	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	55926	17.452	ug/l	99
30) 2-Butanone	7.483	43	166499	97.586	ug/l #	81
31) 2,2-Dichloropropane	7.483	77	72293	19.197	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	74656	18.226	ug/l	98
33) Carbon Tetrachloride	8.359	117	65486	18.454	ug/l	98
34) Benzene	8.606	78	185185	18.461	ug/l	95
35) Methacrylonitrile	7.777	41	34201	18.790	ug/l	96
36) 1,2-Dichloroethane	8.671	62	62515	18.697	ug/l	99
37) Trichloroethene	9.353	130	42690	18.481	ug/l	91
38) Methylcyclohexane	9.600	83	60037	17.056	ug/l	99
39) 1,2-Dichloropropane	9.618	63	44464	18.177	ug/l	96
40) Dibromomethane	9.706	93	31527	18.441	ug/l	97
41) Bromodichloromethane	9.888	83	67112	18.491	ug/l	94
42) Vinyl Acetate	6.600	43	519106	87.481	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084506.D
Acq On : 25 Oct 2024 11:04
Operator : JC\MD
Sample : VN1025WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 26 05:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	59398	17.652	ug/l	97
44) Isopropyl Acetate	8.688	43	109016	19.794	ug/l	96
45) 1,4-Dioxane	9.694	88	17576	354.009	ug/l	98
46) Methyl methacrylate	9.682	41	47794	17.961	ug/l	97
47) n-amyl Acetate	12.494	43	87873	17.937	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	66779	17.805	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	72971	18.565	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	42706	18.584	ug/l	95
51) Ethyl methacrylate	10.871	69	69514	18.314	ug/l	99
52) 1,3-Dichloropropane	11.159	76	74470	18.534	ug/l	100
53) Dibromochloromethane	11.359	129	49660	18.294	ug/l	98
54) 1,2-Dibromoethane	11.465	107	42517	17.974	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	152493	88.579	ug/l	99
56) Bromoform	12.576	173	32774	18.203	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	317615	95.920	ug/l	100
59) 2-Hexanone	11.194	43	239404	97.299	ug/l	100
61) Tetrachloroethene	11.100	164	37279	18.541	ug/l	98
62) Toluene	10.629	91	193173	18.564	ug/l	99
64) Chlorobenzene	11.888	112	120005	18.532	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	42428	18.860	ug/l	99
66) Ethyl Benzene	11.965	91	205594	18.185	ug/l	100
67) m/p-Xylenes	12.070	106	159912	37.286	ug/l	99
68) o-Xylene	12.394	106	76327	18.463	ug/l	99
69) Styrene	12.412	104	130016	18.321	ug/l	100
70) Isopropylbenzene	12.694	105	195104	18.487	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	62486	19.140	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	59504m	21.282	ug/l	
73) Bromobenzene	12.982	156	46579	18.224	ug/l	98
74) n-propylbenzene	13.035	91	229550	18.253	ug/l	99
75) 2-Chlorotoluene	13.123	91	145197	18.580	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	164553	18.518	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	21527	18.017	ug/l	96
78) 4-Chlorotoluene	13.217	91	145653	18.332	ug/l	97
79) tert-butylbenzene	13.435	119	142685	18.822	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	162818	18.059	ug/l	99
81) sec-Butylbenzene	13.612	105	192819	18.474	ug/l	100
82) p-Isopropyltoluene	13.729	119	160343	18.252	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	87899	18.496	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	84764	17.962	ug/l	99
85) n-Butylbenzene	14.053	91	132654	17.435	ug/l	99
86) Hexachloroethane	14.329	117	29867	17.647	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	84315	18.350	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12707	19.033	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	42050	17.602	ug/l	97
90) Hexachlorobutadiene	15.500	225	19449	17.598	ug/l	100
91) Naphthalene	15.641	128	135282	16.711	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	42050	17.602	ug/l	97

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

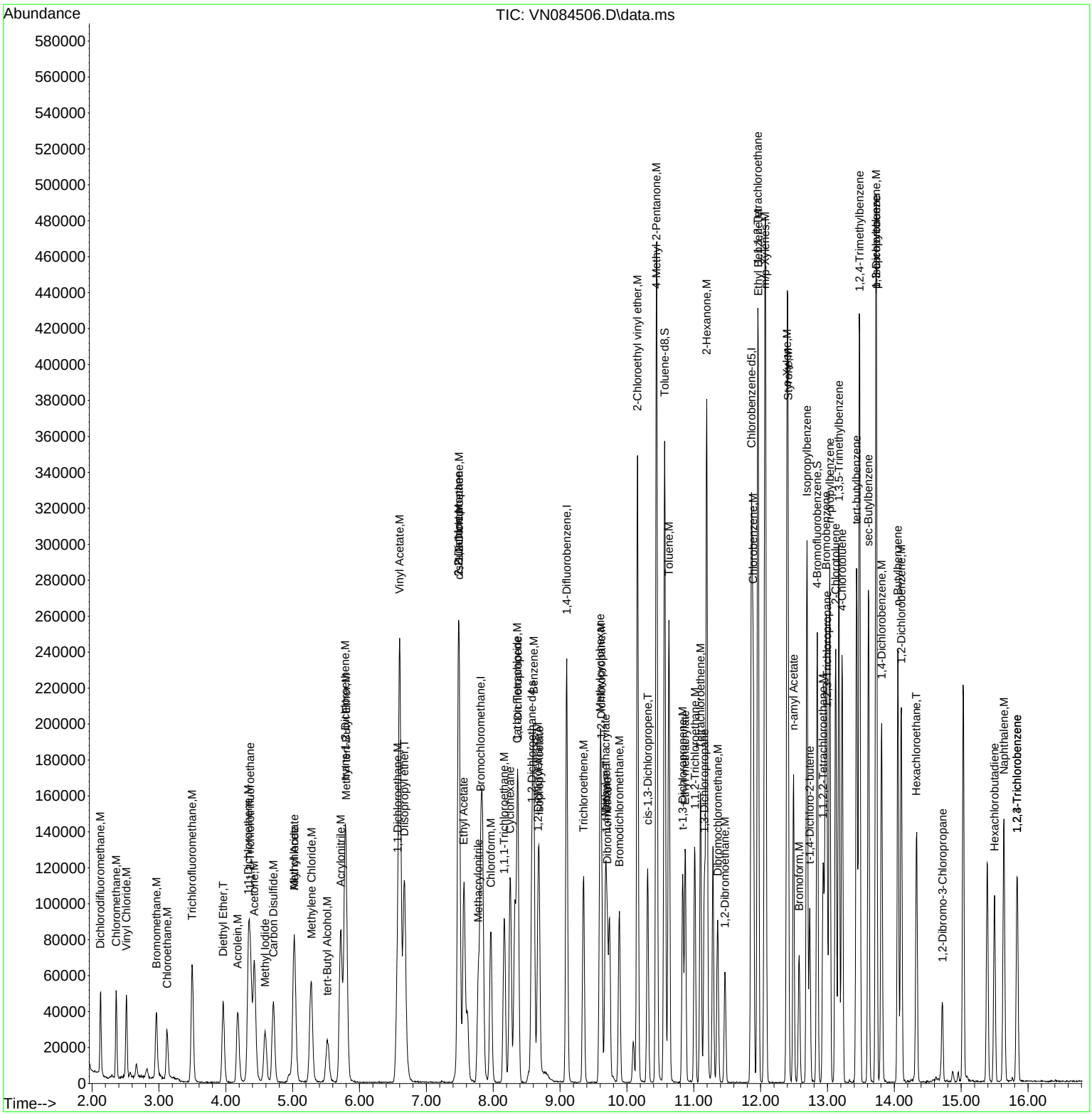
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084506.D
Acq On : 25 Oct 2024 11:04
Operator : JC\MD
Sample : VN1025WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

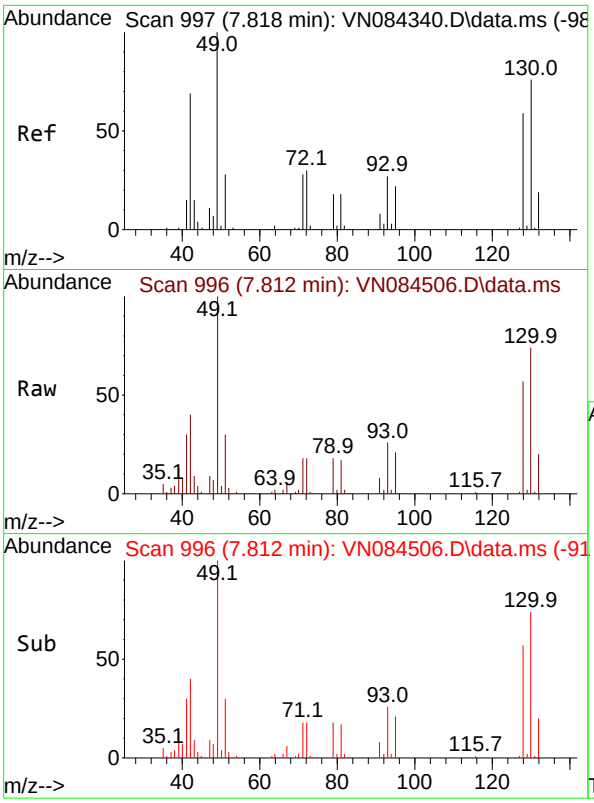
Quant Time: Oct 26 05:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

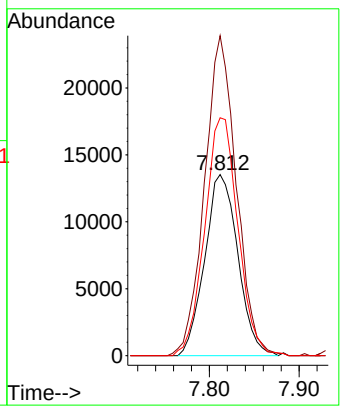




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:128 Resp: 3470

Ion	Ratio	Lower	Upper
128	100		
49	169.0	0.0	430.0
130	131.8	0.0	329.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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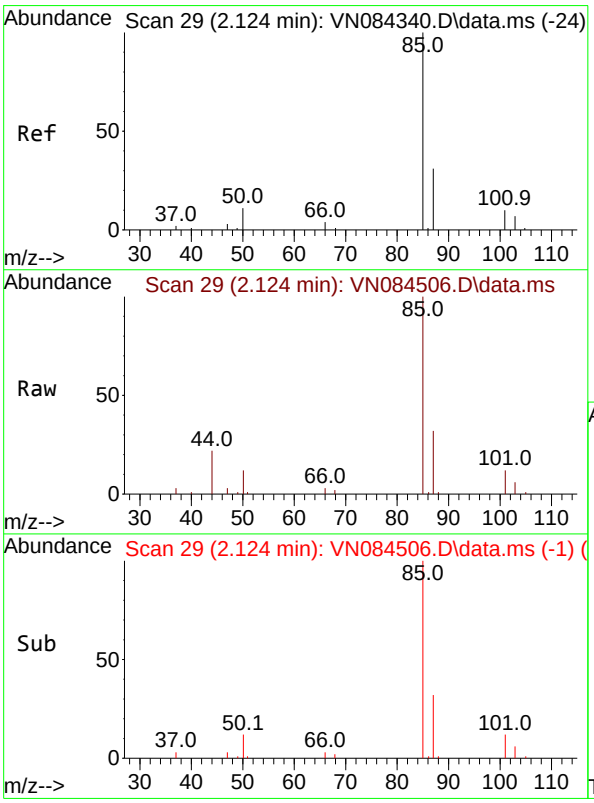
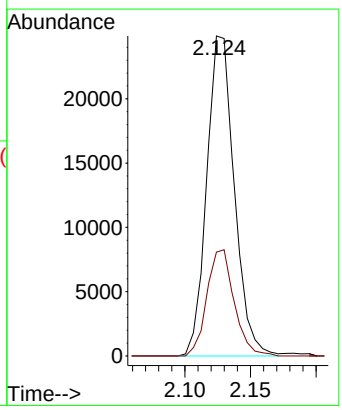
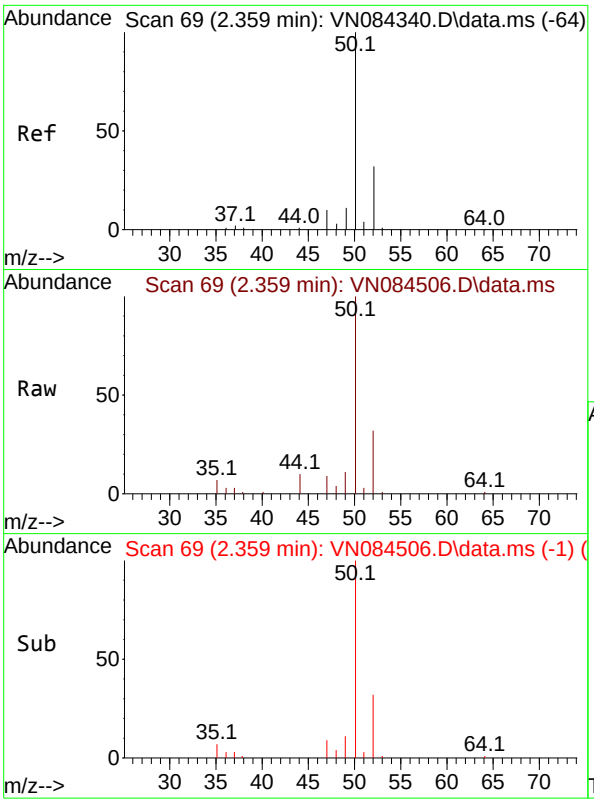


#2
Dichlorodifluoromethane
Concen: 17.191 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 85 Resp: 36422

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.4	46.4

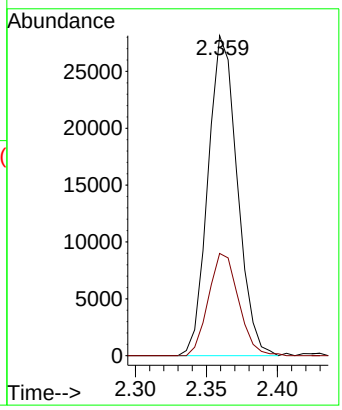




#3
Chloromethane
Concen: 16.752 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 50 Resp: 4039

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2024
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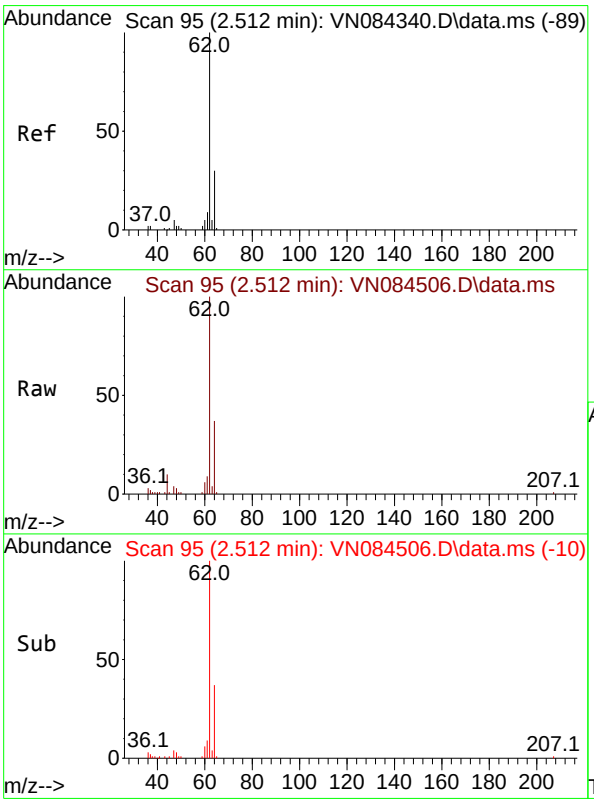
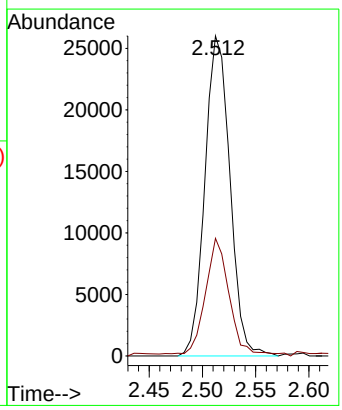
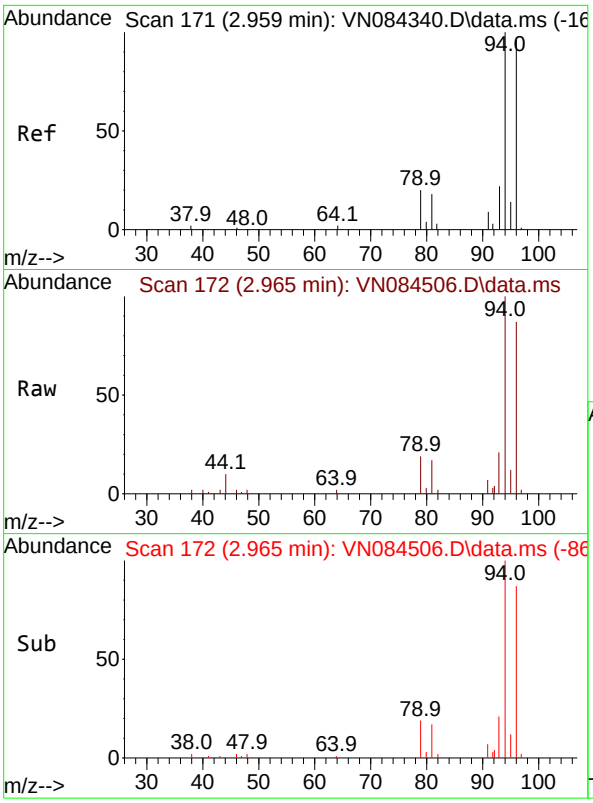


#4
Vinyl Chloride
Concen: 17.975 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 62 Resp: 42500

Ion	Ratio	Lower	Upper
62	100		
64	36.0	24.3	36.5

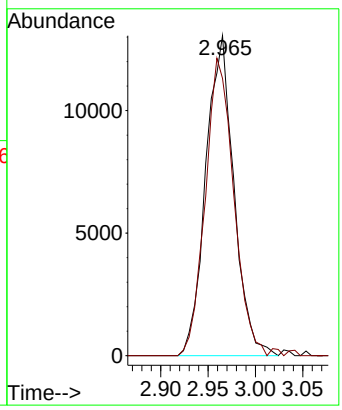




#5
Bromomethane
Concen: 17.170 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 94 Resp: 2689

Ion	Ratio	Lower	Upper
94	100		
96	86.6	76.7	115.1



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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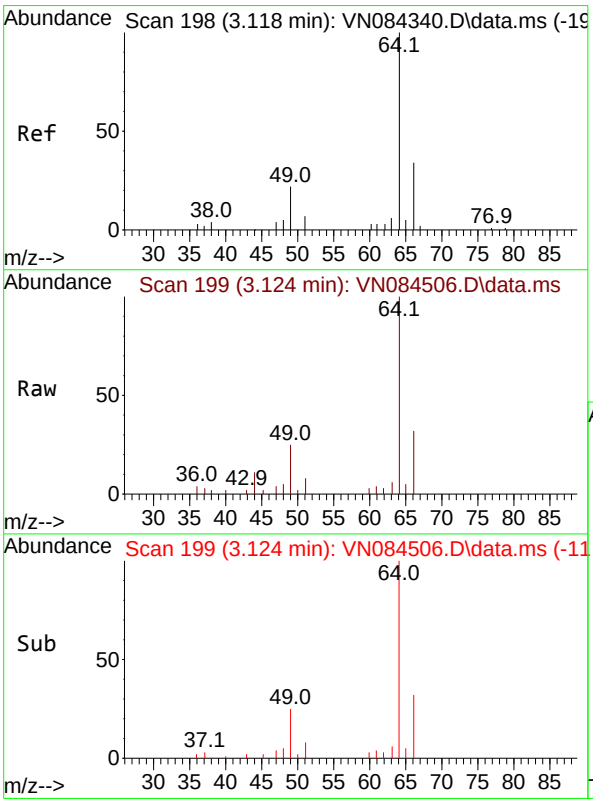
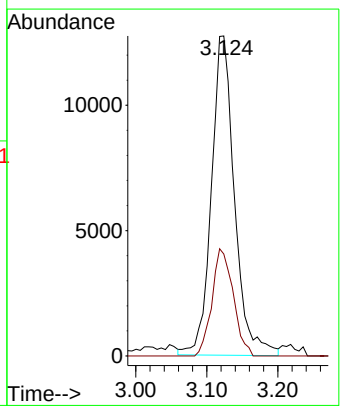
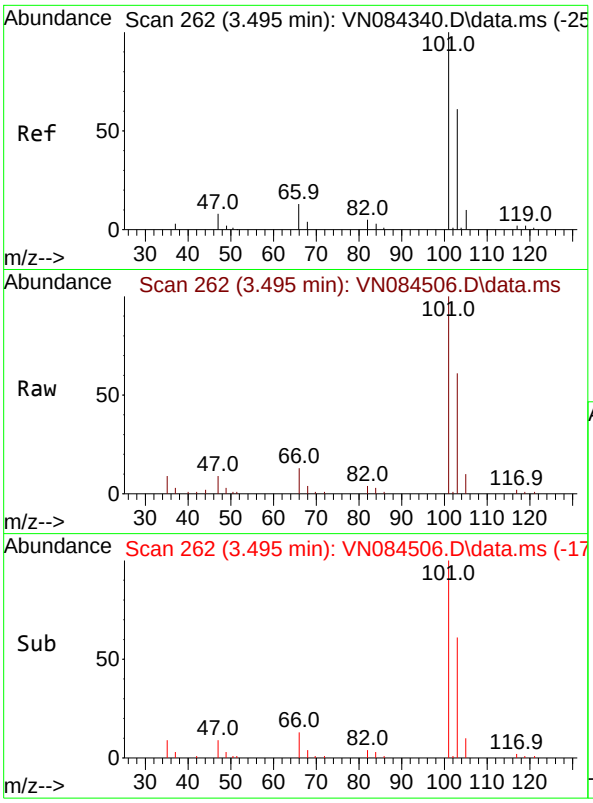


#6
Chloroethane
Concen: 18.595 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 64 Resp: 28823

Ion	Ratio	Lower	Upper
64	100		
66	32.5	27.7	41.5





#7
Trichlorofluoromethane
Concen: 18.349 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:101 Resp: 7066

Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.0	73.6

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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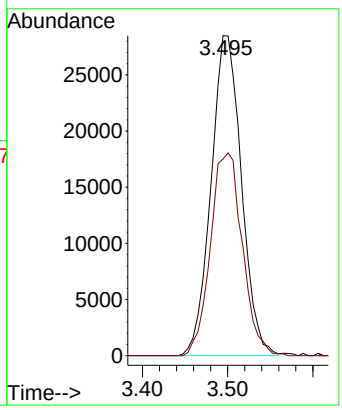
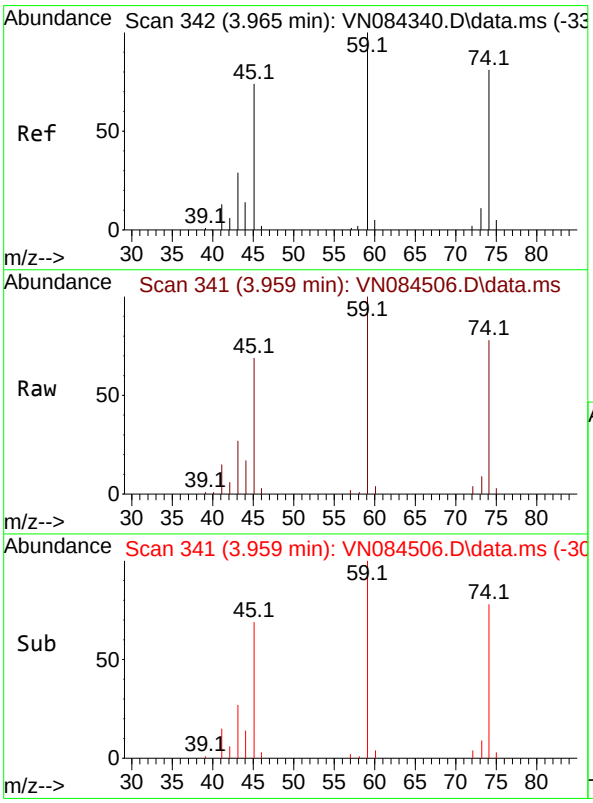
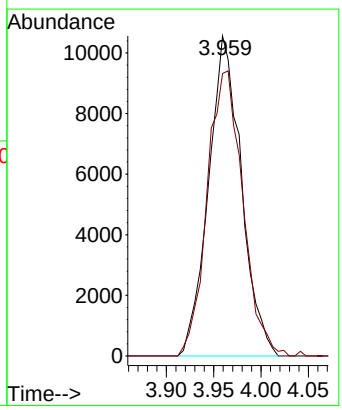


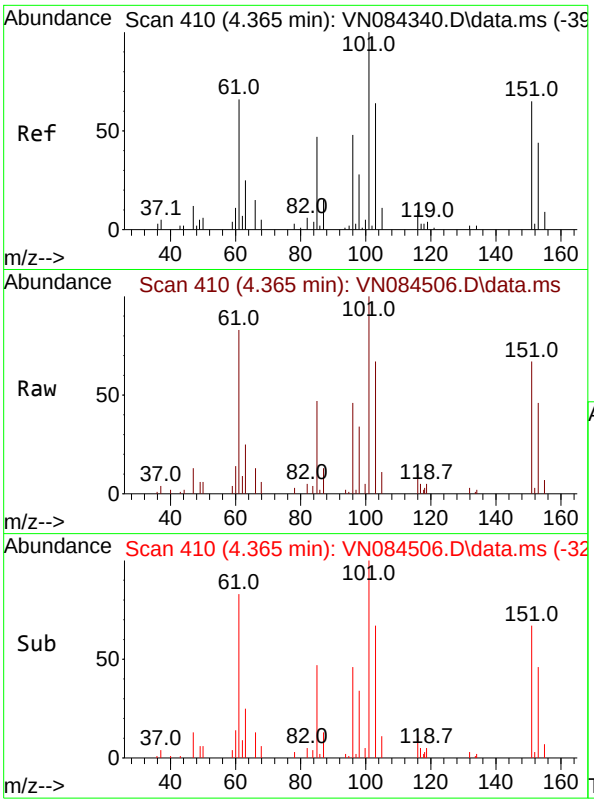


#8
Diethyl Ether
Concen: 17.971 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 74 Resp: 25446

Ion	Ratio	Lower	Upper
74	100		
45	96.5	19.2	173.2

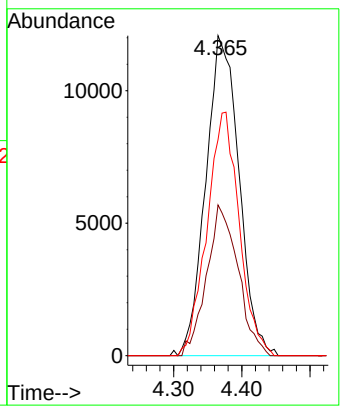




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.882 ug/l
RT: 4.365 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:101 Resp: 4088

Ion	Ratio	Lower	Upper
101	100		
85	44.5	0.0	93.6
151	73.8	0.0	151.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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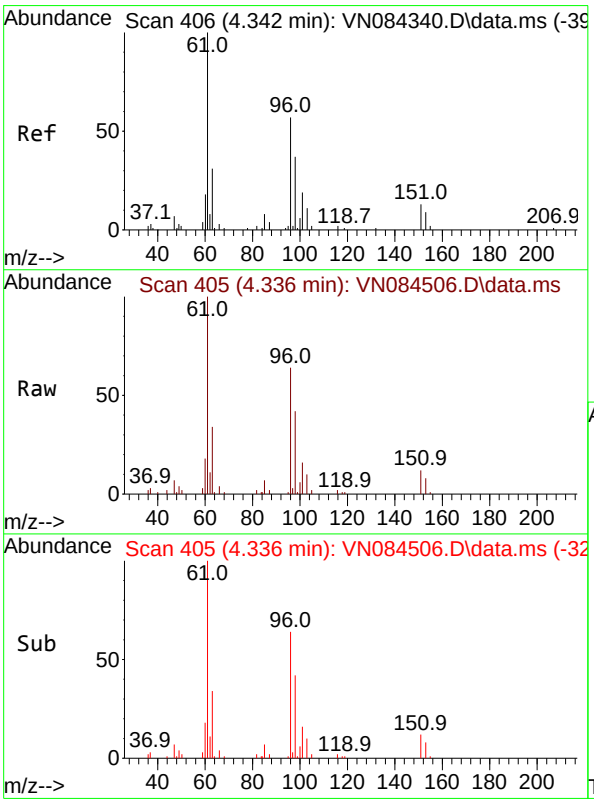
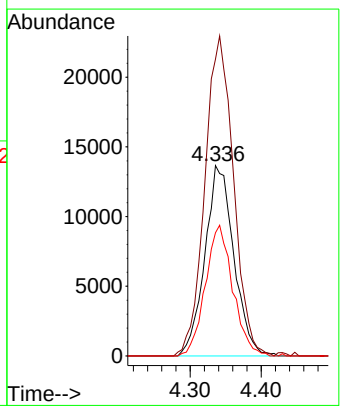
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

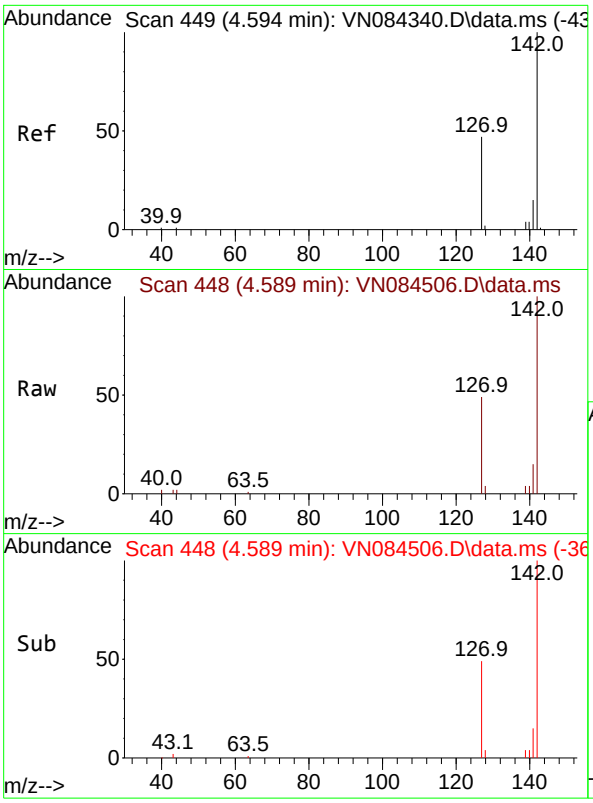


#10
1,1-Dichloroethene
Concen: 17.906 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 96 Resp: 38691

Ion	Ratio	Lower	Upper
96	100		
61	154.2	140.8	211.2
98	64.7	52.2	78.2

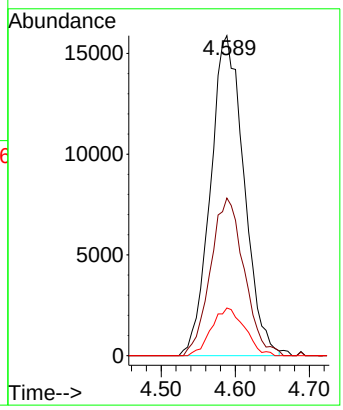




#11
Methyl Iodide
Concen: 17.521 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:142 Resp: 4975

Ion	Ratio	Lower	Upper
142	100		
127	48.9	23.8	71.4
141	15.0	7.4	22.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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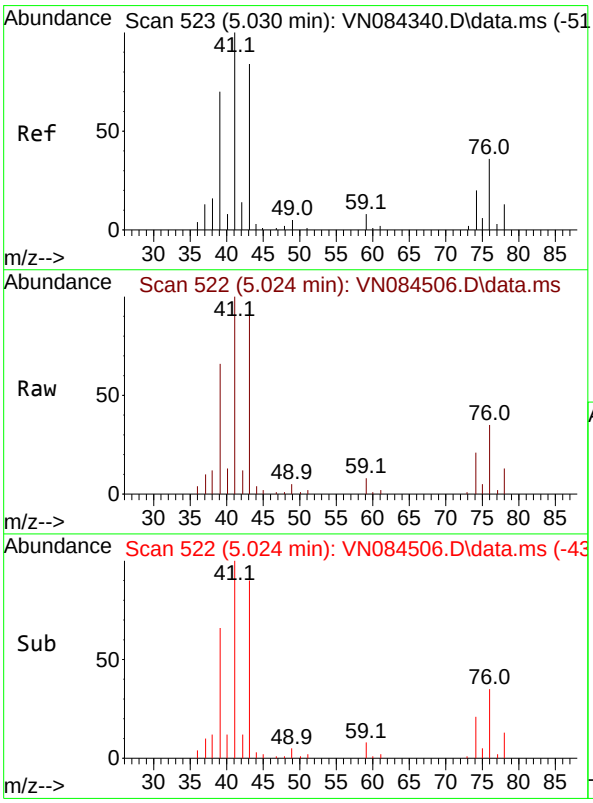
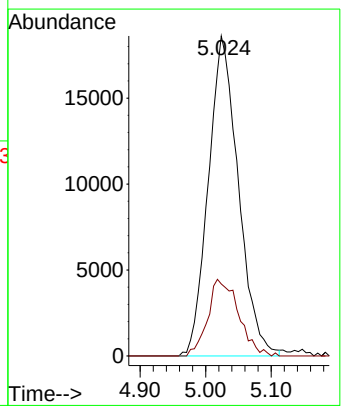
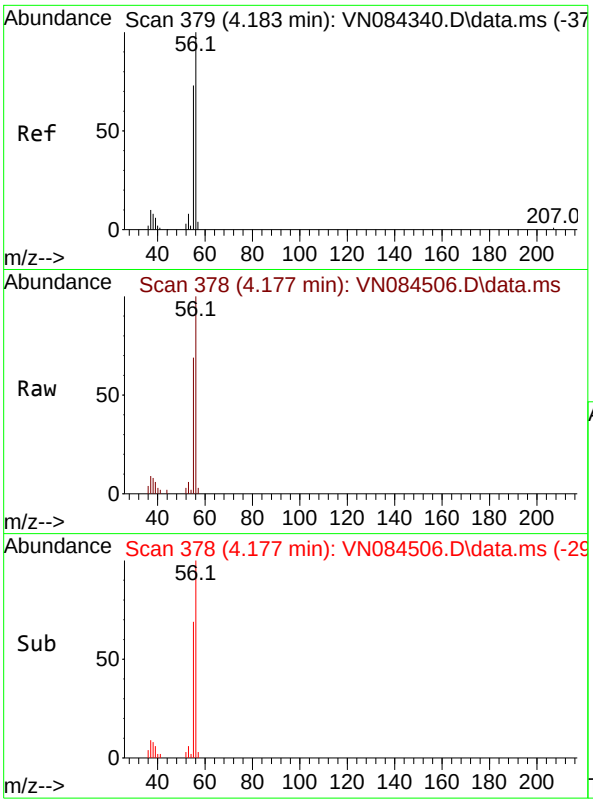


#12
Methyl Acetate
Concen: 21.903 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 59249

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.4	29.2

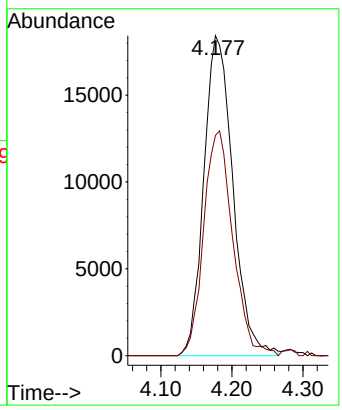




#13
Acrolein
Concen: 104.172 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 56 Resp: 5234

Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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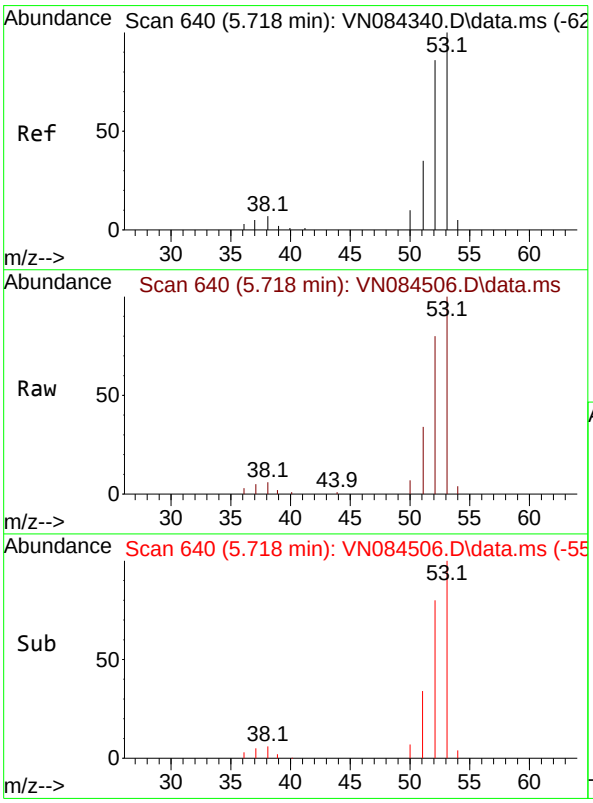
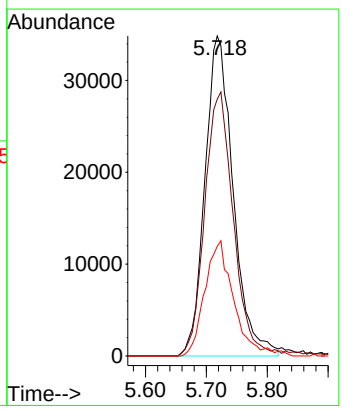
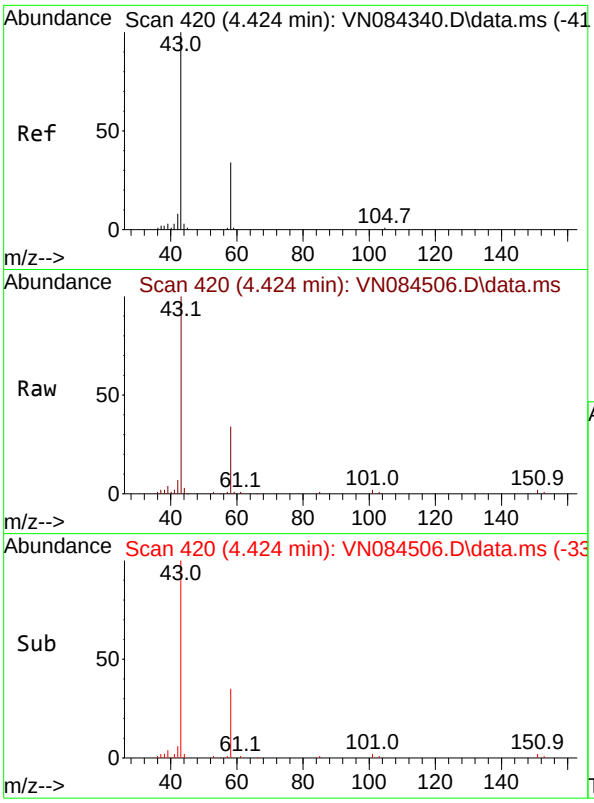


#14
Acrylonitrile
Concen: 92.538 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 53 Resp: 112460

Ion	Ratio	Lower	Upper
53	100		
52	82.8	40.4	121.2
51	35.5	17.8	53.4

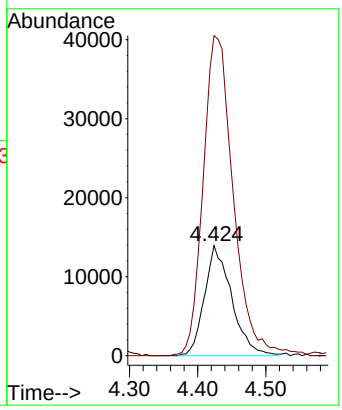




#15
Acetone
Concen: 111.353 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 58 Resp: 3865

Ion	Ratio	Lower	Upper
58	100		
43	289.1	237.5	356.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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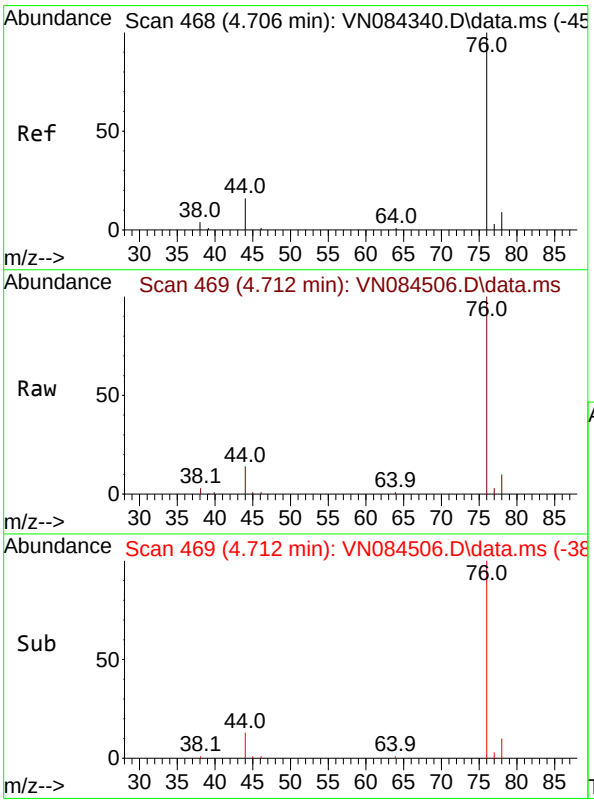
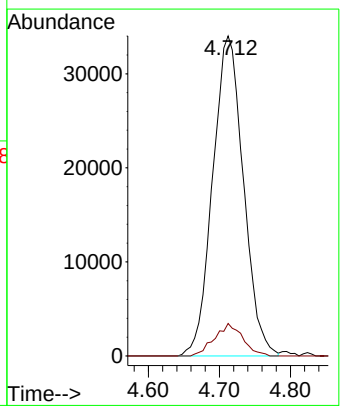
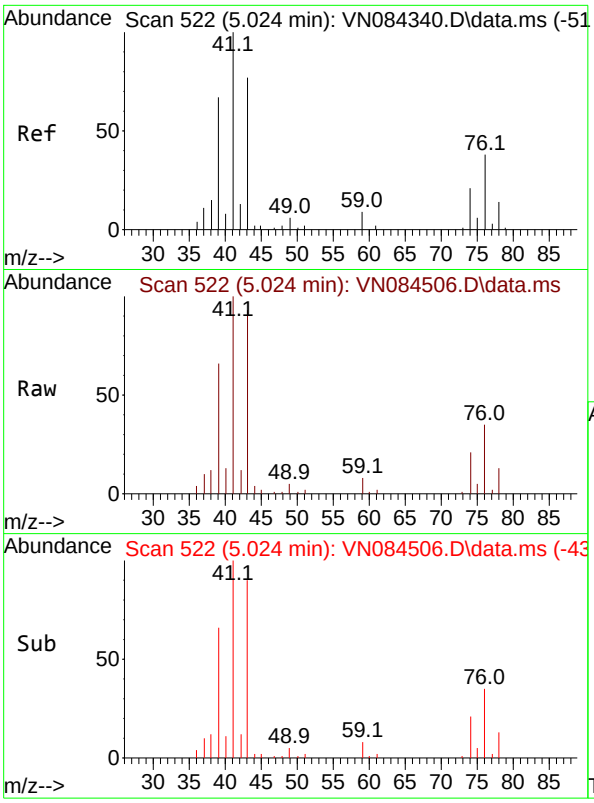


#16
Carbon Disulfide
Concen: 15.870 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 76 Resp: 102112

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.1	10.7

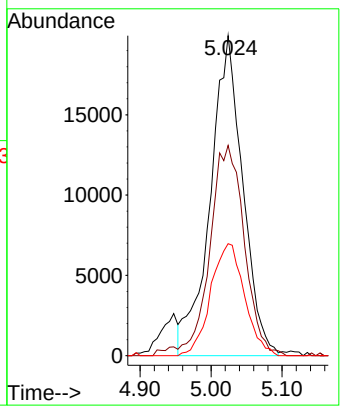




#17
Allyl chloride
Concen: 18.090 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 41 Resp: 6336

Ion	Ratio	Lower	Upper
41	100		
39	64.7	31.4	94.3
76	35.3	17.8	53.5



Instrument :
MSVOA_N
ClientSampleId :
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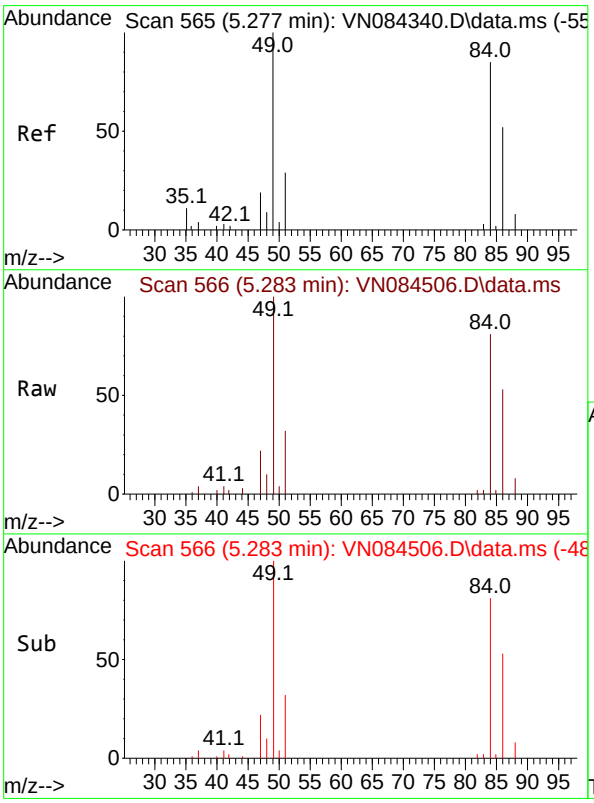
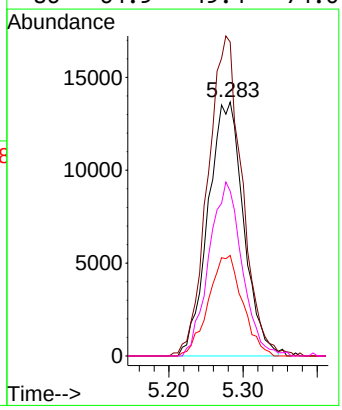
Supervised By :Mahesh Dadoda 10/28/2024

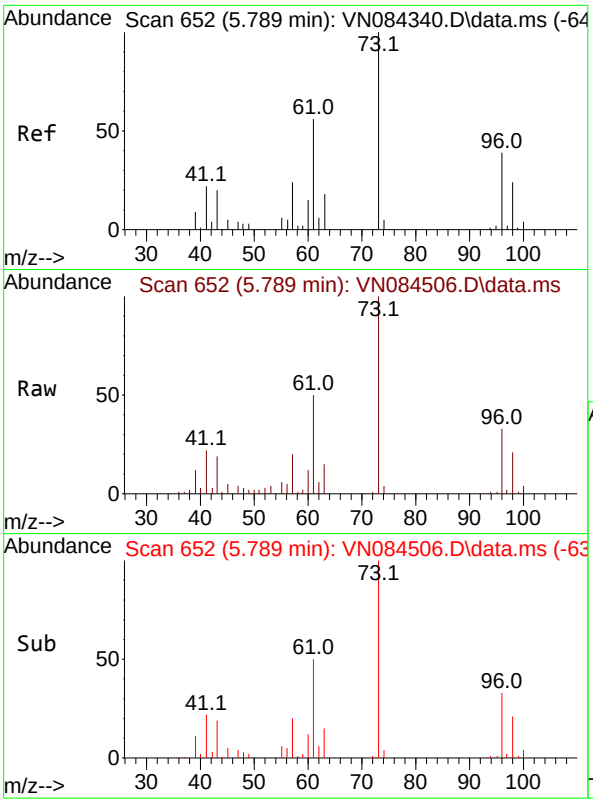


#18
Methylene Chloride
Concen: 18.667 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 84 Resp: 45436

Ion	Ratio	Lower	Upper
84	100		
49	122.4	94.6	142.0
51	39.6	27.3	40.9
86	64.9	49.4	74.0

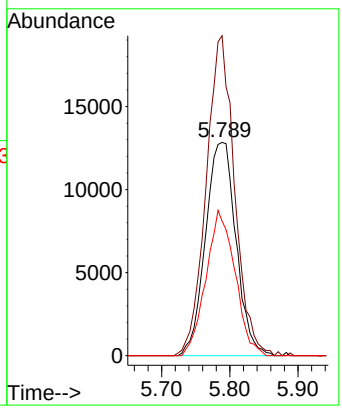




#19
trans-1,2-Dichloroethene
Concen: 17.523 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 96 Resp: 4007

Ion	Ratio	Lower	Upper
96	100		
61	148.8	115.8	173.6
98	63.1	49.4	74.0



Instrument :
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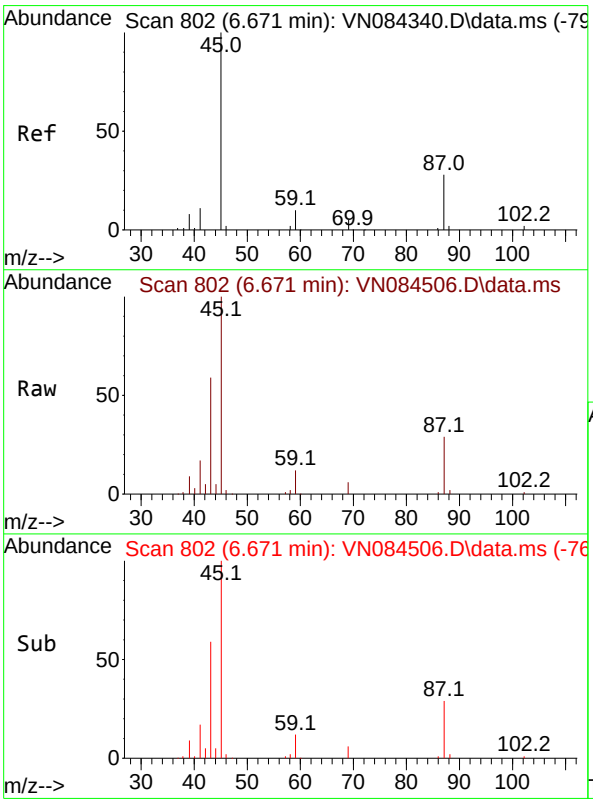
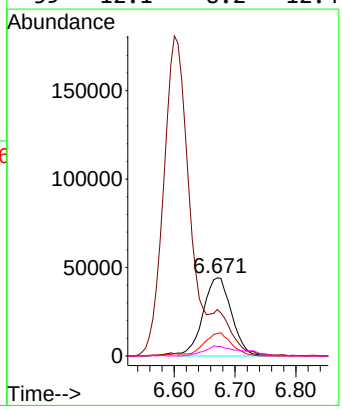
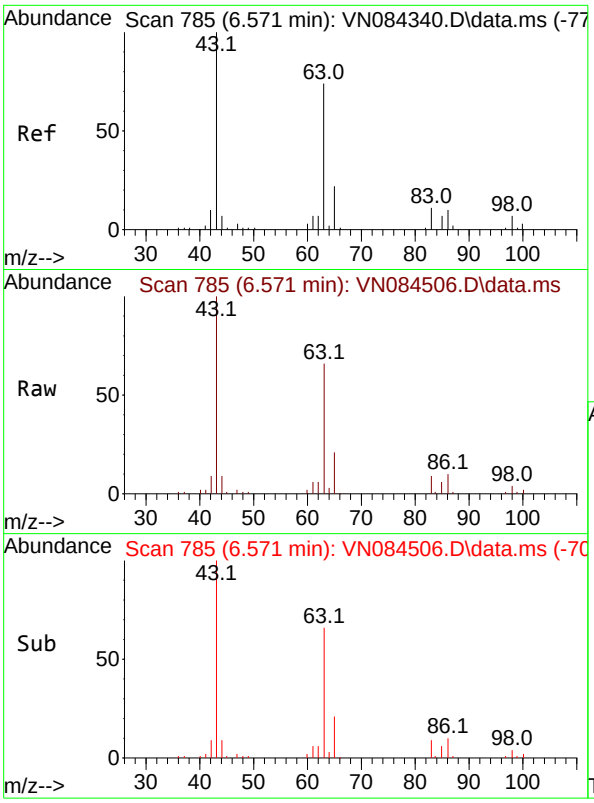


#20
Diisopropyl ether
Concen: 19.002 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 45 Resp: 143102

Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.7	65.5
87	28.9	23.1	34.7
59	12.1	8.2	12.4

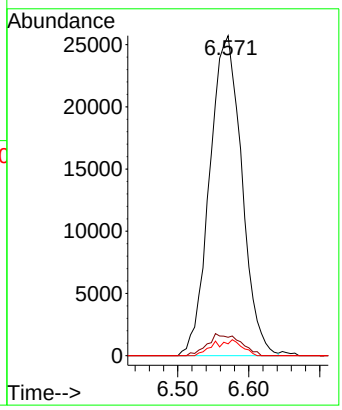




#21
1,1-Dichloroethane
Concen: 18.707 ug/l
RT: 6.571 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 63 Resp: 8083

Ion	Ratio	Lower	Upper
63	100		
98	5.7	4.5	13.4
100	3.7	2.1	6.3



Instrument :
MSVOA_N
ClientSampleId :
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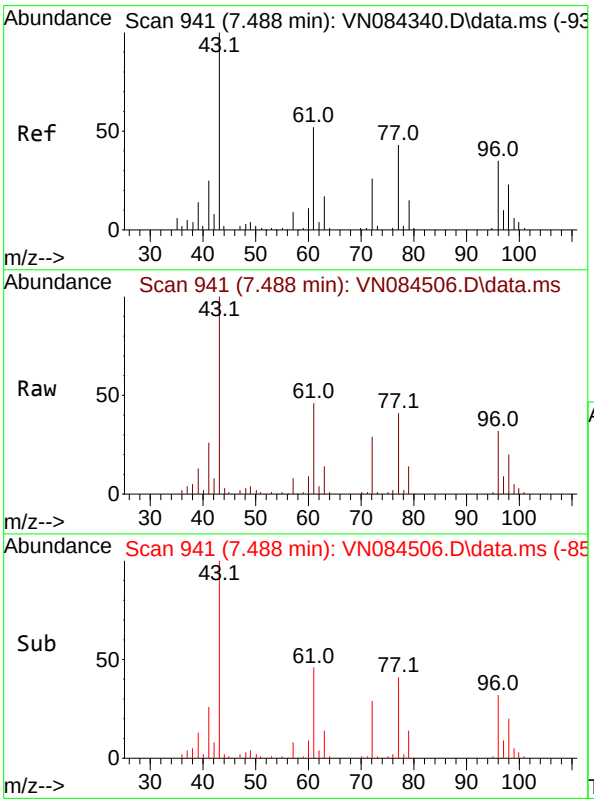
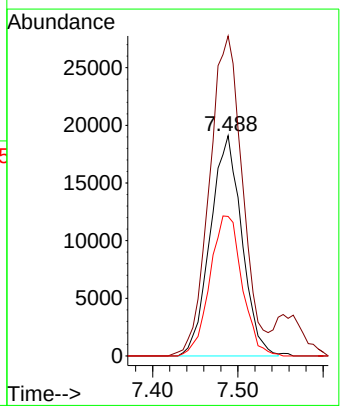
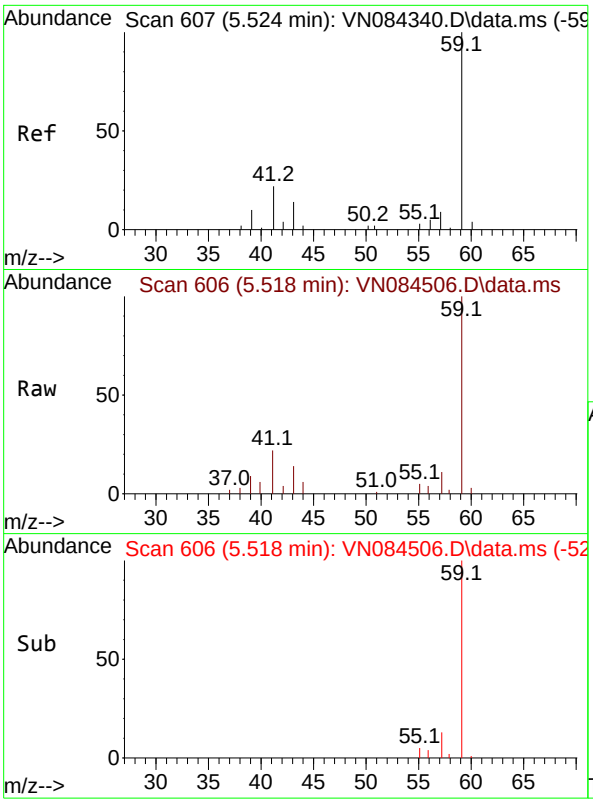


#22
cis-1,2-Dichloroethene
Concen: 18.439 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 96 Resp: 49067

Ion	Ratio	Lower	Upper
96	100		
61	152.7	118.0	177.0
98	65.1	51.8	77.8





#23
tert-Butyl Alcohol
Concen: 94.385 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 59 Resp: 4399

Ion	Ratio	Lower	Upper
59	100		
52	211.6	0.0	0.0#

Instrument :
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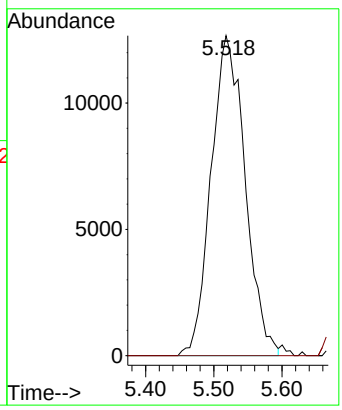
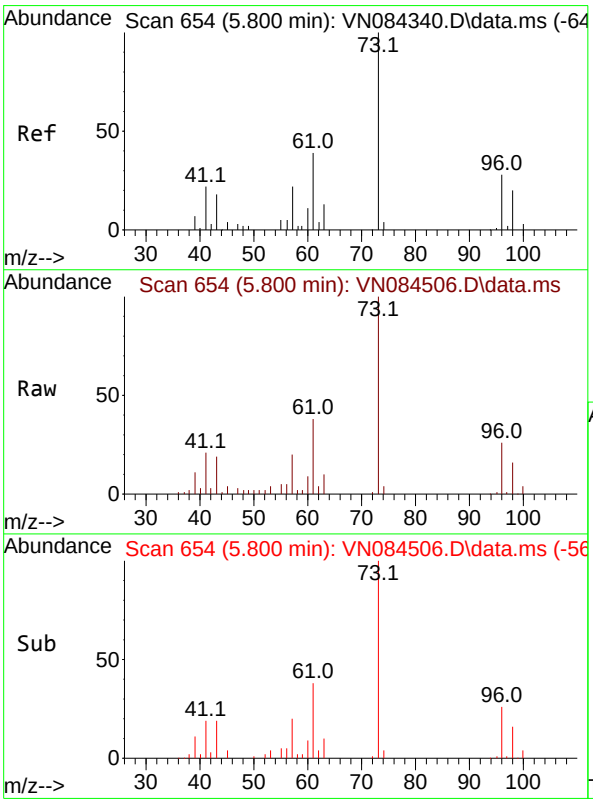
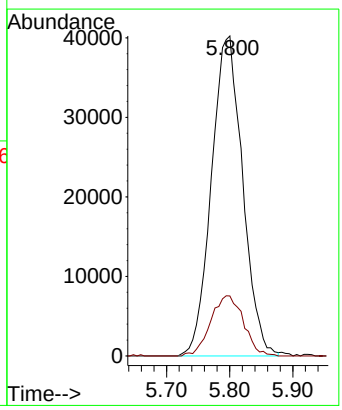


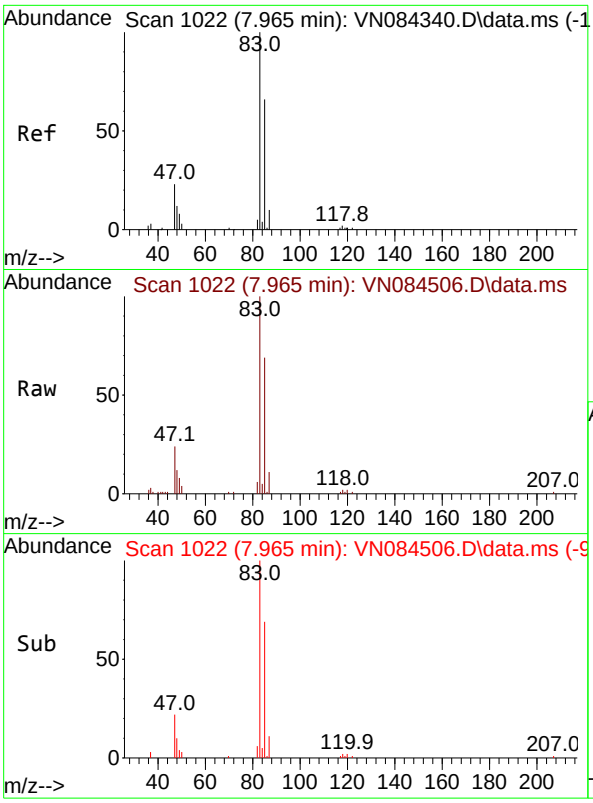


#24
Methyl tert-Butyl Ether
Concen: 19.114 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 73 Resp: 138022

Ion	Ratio	Lower	Upper
73	100		
43	18.9	10.9	16.3#

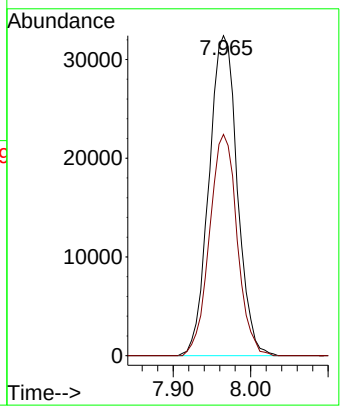




#25
Chloroform
Concen: 18.820 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 83 Resp: 8236

Ion	Ratio	Lower	Upper
83	100		
85	69.2	52.4	78.6



Instrument :
MSVOA_N
ClientSampleId :
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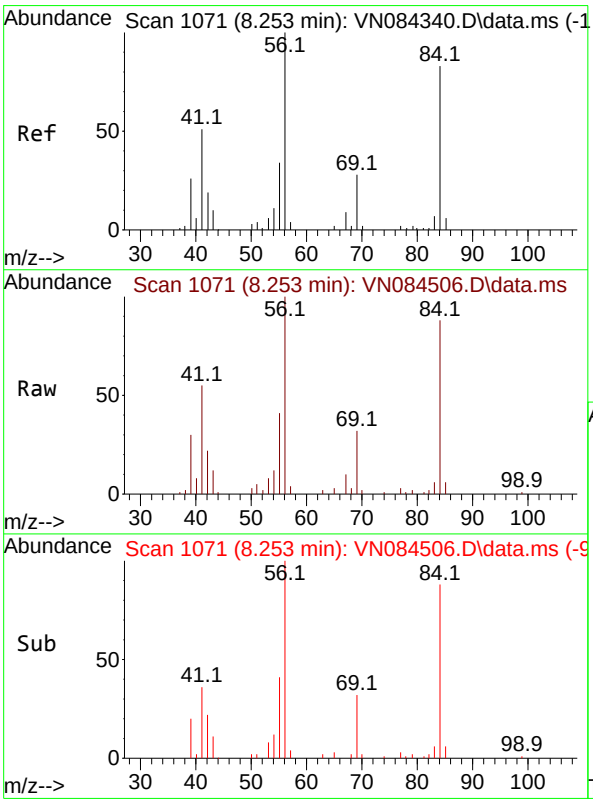
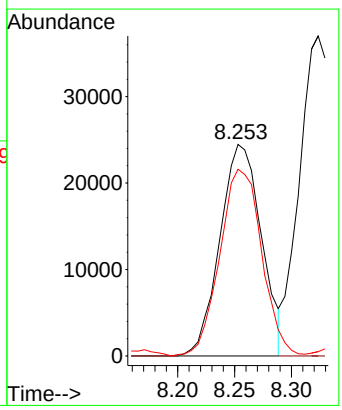
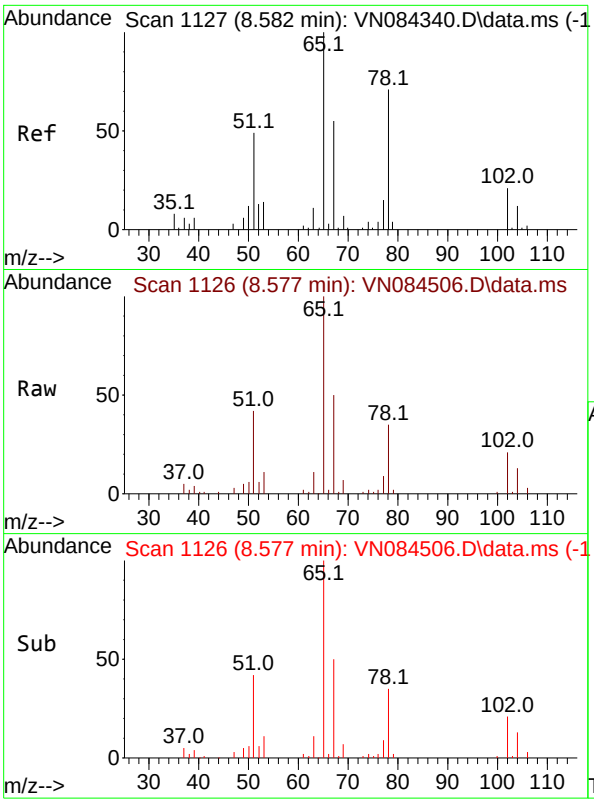


#26
Cyclohexane
Concen: 17.171 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 56 Resp: 62057

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	89.2	67.0	100.6

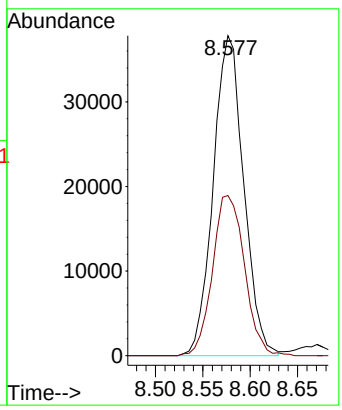




#27
1,2-Dichloroethane-d4
Concen: 30.291 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 65 Resp: 8462

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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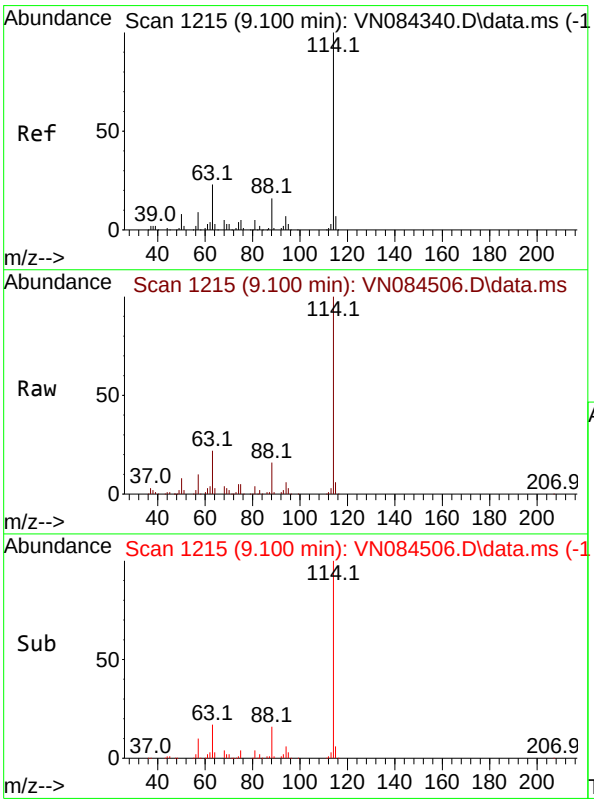
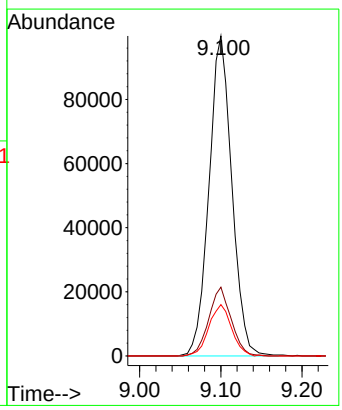
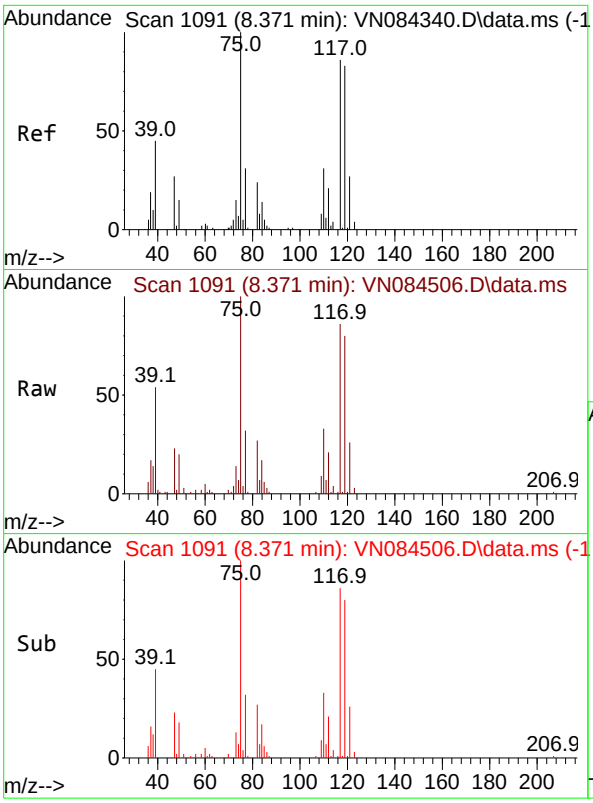


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:114 Resp: 195213

Ion	Ratio	Lower	Upper
114	100		
63	21.0	17.4	26.0
88	15.9	13.2	19.8

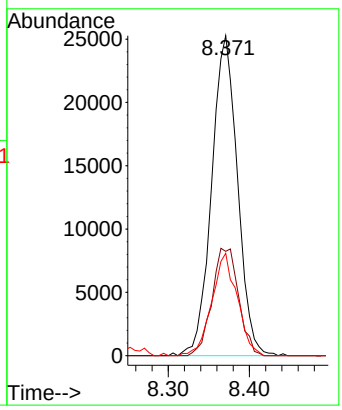




#29
1,1-Dichloropropene
Concen: 17.452 ug/l
RT: 8.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 5592

Ion	Ratio	Lower	Upper
75	100		
110	34.5	0.0	67.6
77	31.5	0.0	61.4



Instrument :
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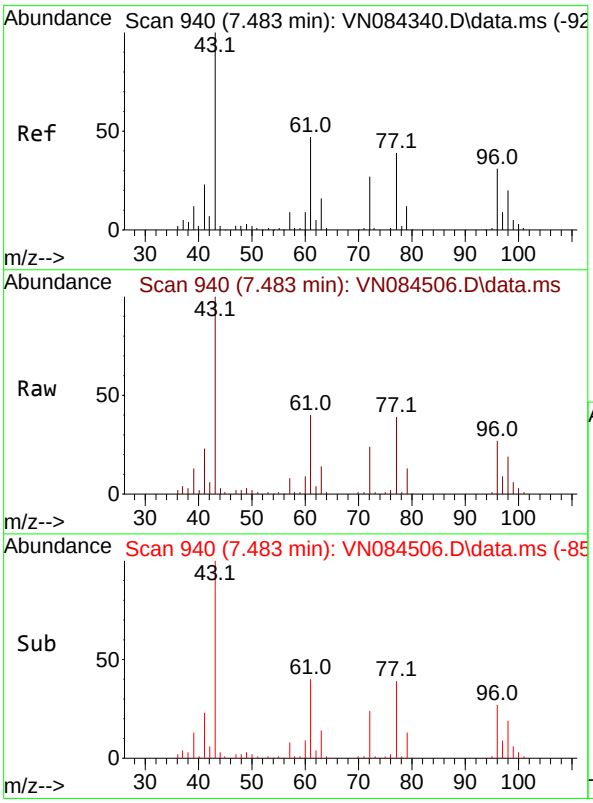
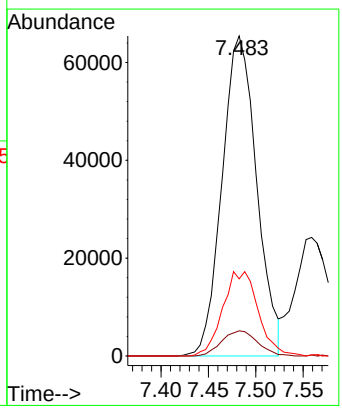
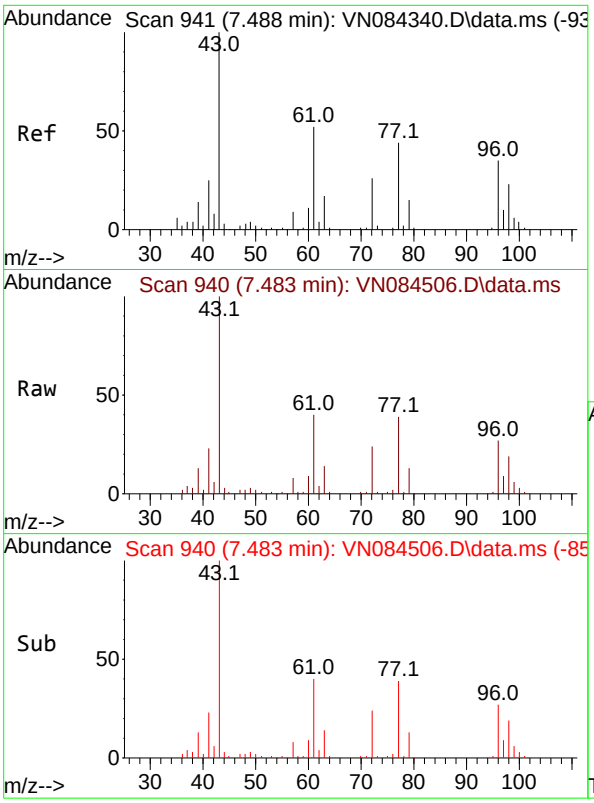


#30
2-Butanone
Concen: 97.586 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 166499

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.6	9.8
72	14.2	21.3	31.9#





#31
2,2-Dichloropropane
Concen: 19.197 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 77 Resp: 7229

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.5	17.3#

Instrument :
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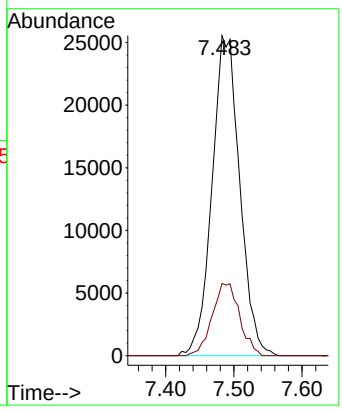
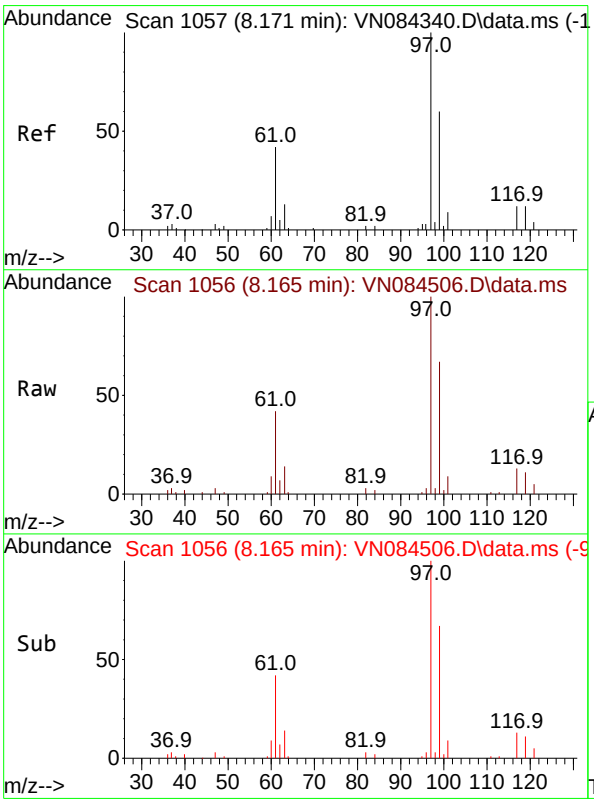
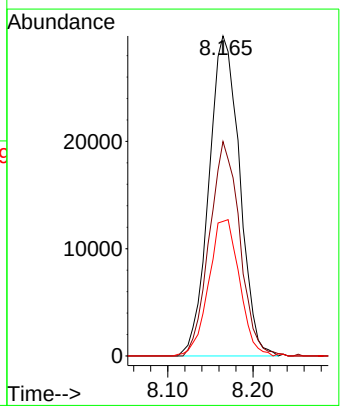


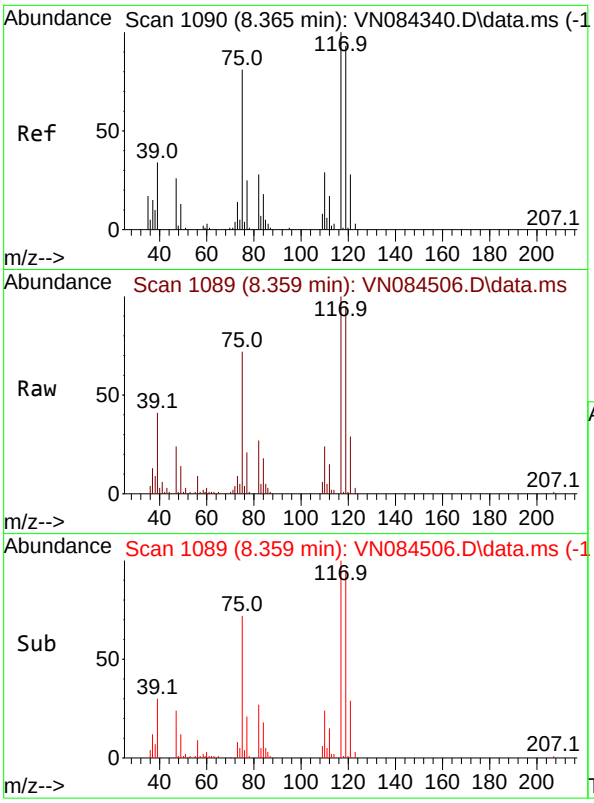


#32
1,1,1-Trichloroethane
Concen: 18.226 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 97 Resp: 74656

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.2	76.8
61	42.8	34.1	51.1

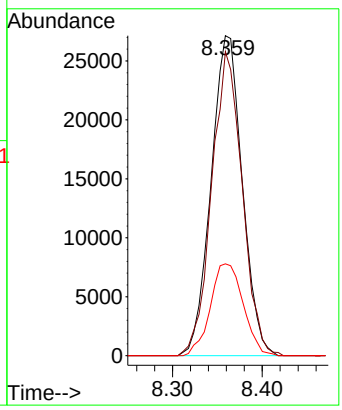




#33
Carbon Tetrachloride
Concen: 18.454 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:117 Resp: 6548

Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.3	111.5
121	28.7	22.4	33.6



Instrument :
MSVOA_N
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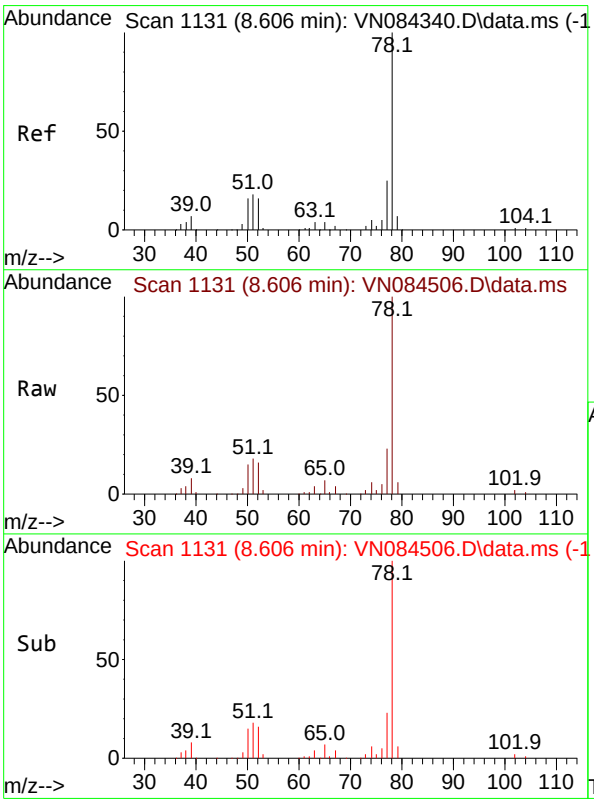
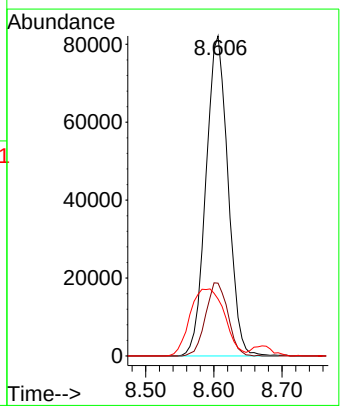
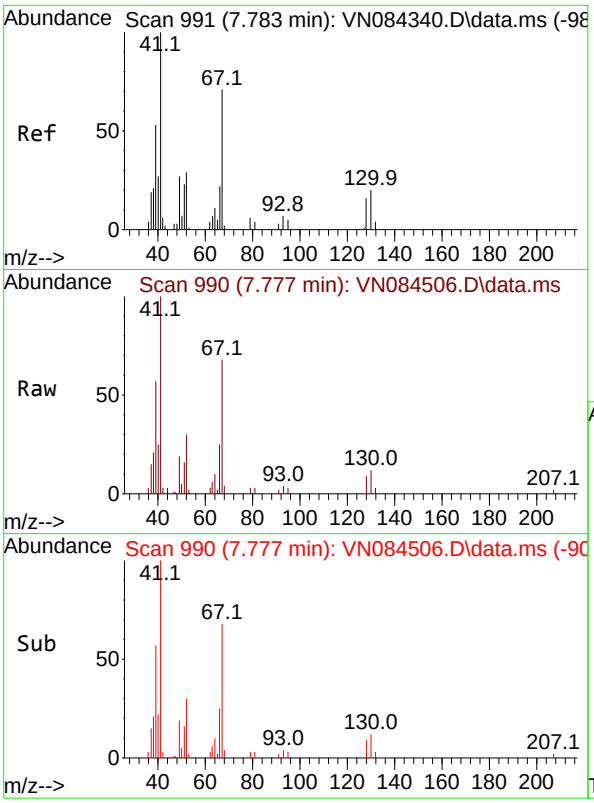


#34
Benzene
Concen: 18.461 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 78 Resp: 185185

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.6	29.4
51	16.8	15.8	23.6

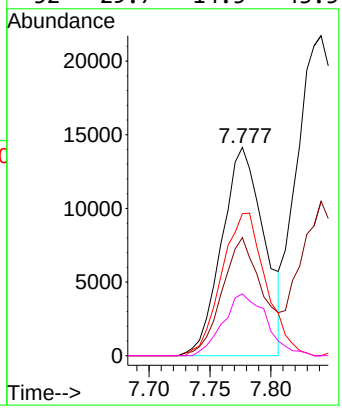




#35
Methacrylonitrile
Concen: 18.790 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 41 Resp: 3420

Ion	Ratio	Lower	Upper
41	100		
39	56.7	26.4	79.0
67	68.1	35.7	107.1
52	29.7	14.5	43.5



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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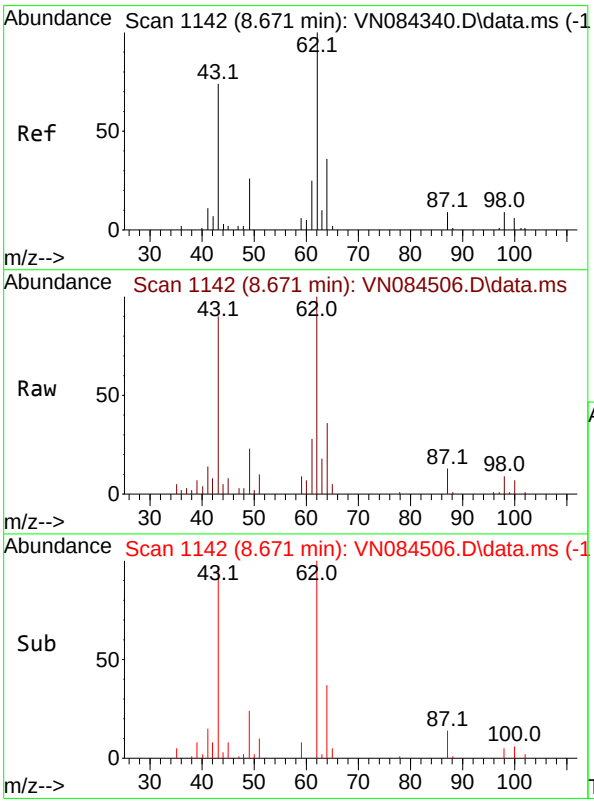
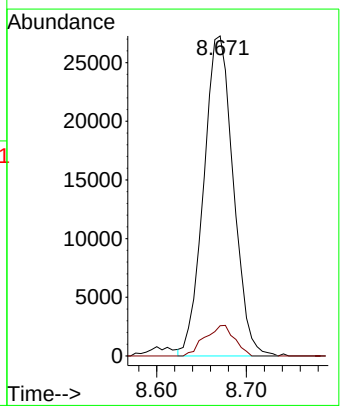
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

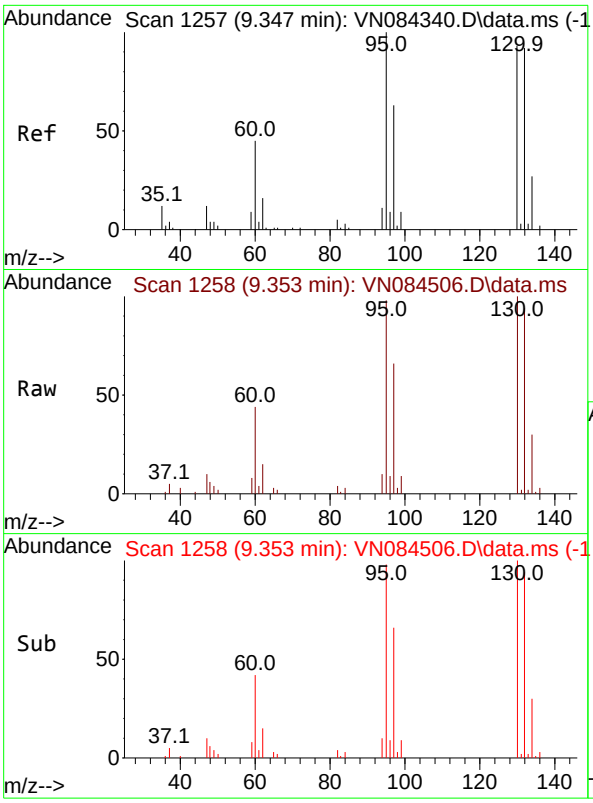


#36
1,2-Dichloroethane
Concen: 18.697 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 62 Resp: 62515

Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.3	10.9

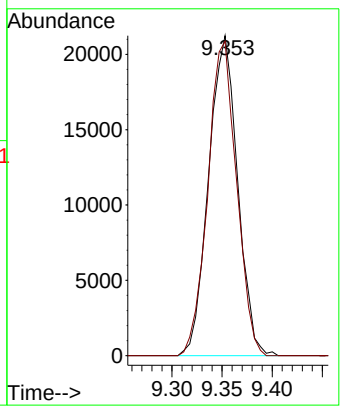




#37
Trichloroethene
Concen: 18.481 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:130 Resp: 4269

Ion	Ratio	Lower	Upper
130	100		
95	98.2	85.8	128.6



Instrument :
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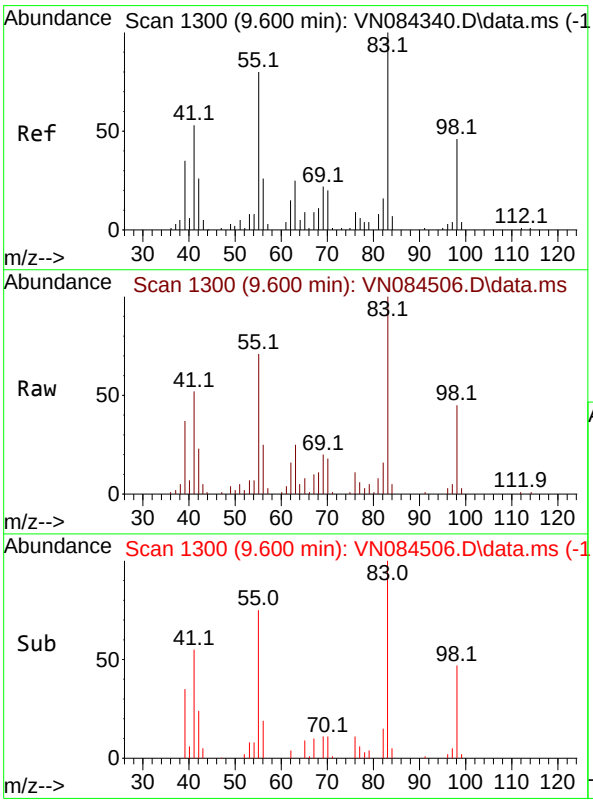
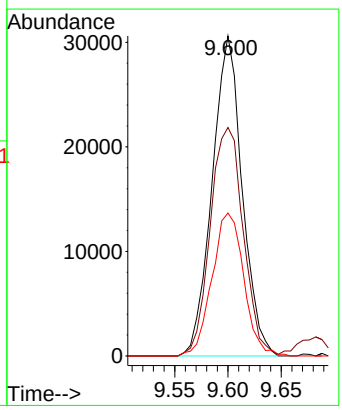
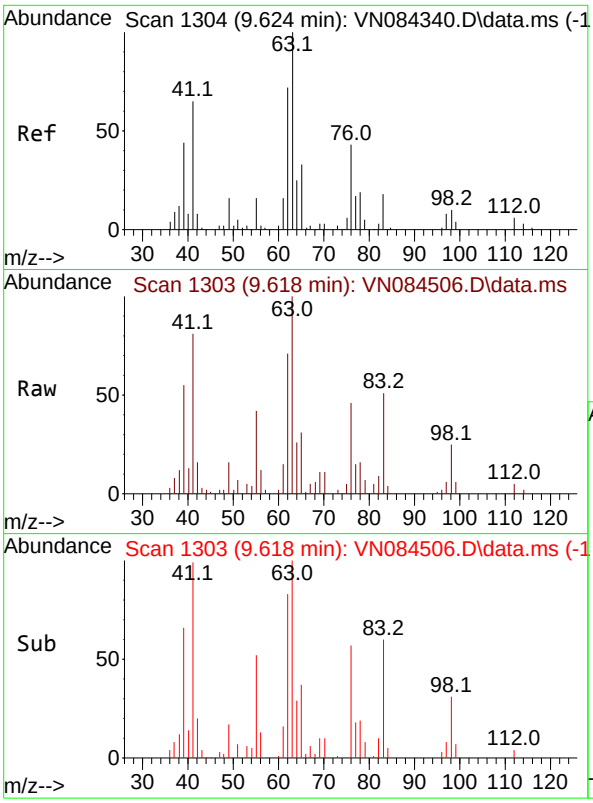


#38
Methylcyclohexane
Concen: 17.056 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 83 Resp: 60037

Ion	Ratio	Lower	Upper
83	100		
55	78.3	39.3	117.8
98	47.2	24.0	72.0

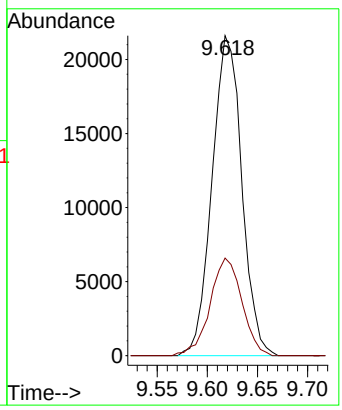




#39
1,2-Dichloropropane
Concen: 18.177 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 63 Resp: 4446

Ion	Ratio	Lower	Upper
63	100		
65	30.5	26.3	39.5



Instrument :
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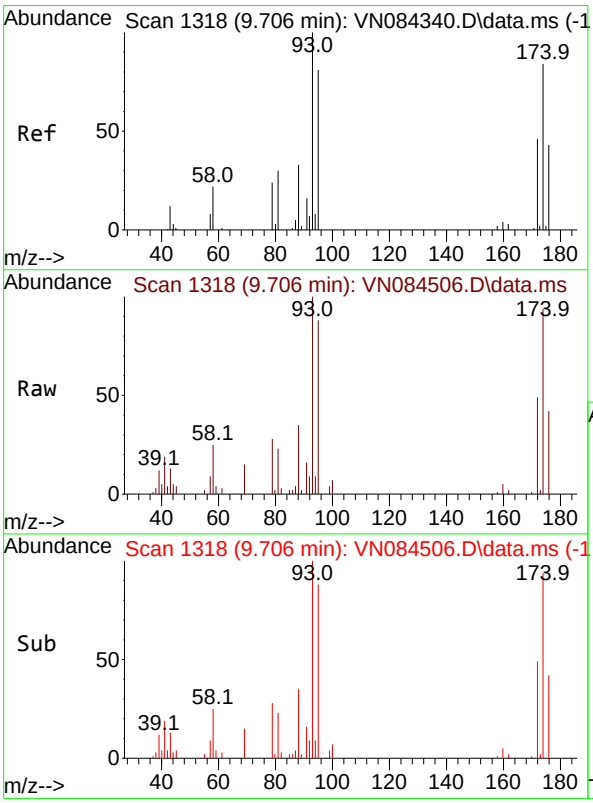
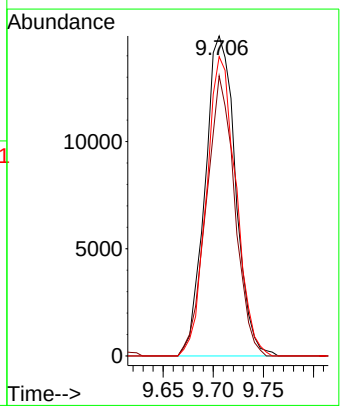
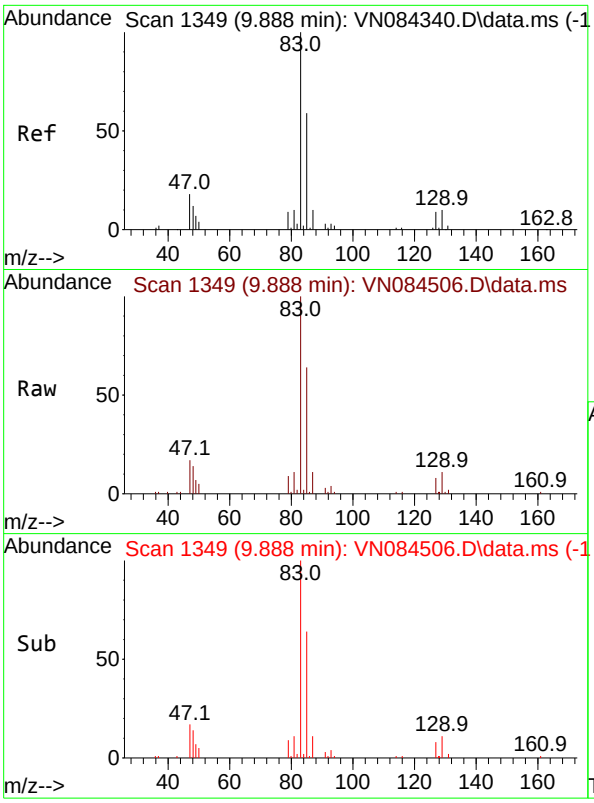


#40
Dibromomethane
Concen: 18.441 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 93 Resp: 31527

Ion	Ratio	Lower	Upper
93	100		
95	81.7	0.0	171.4
174	90.7	0.0	183.0

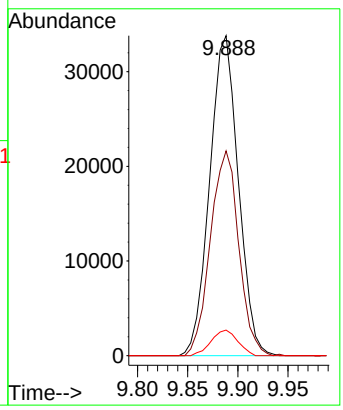




#41
Bromodichloromethane
Concen: 18.491 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 83 Resp: 6711

Ion	Ratio	Lower	Upper
83	100		
85	64.0	47.1	70.7
127	8.0	7.1	10.7



Instrument :
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ClientSampleId :
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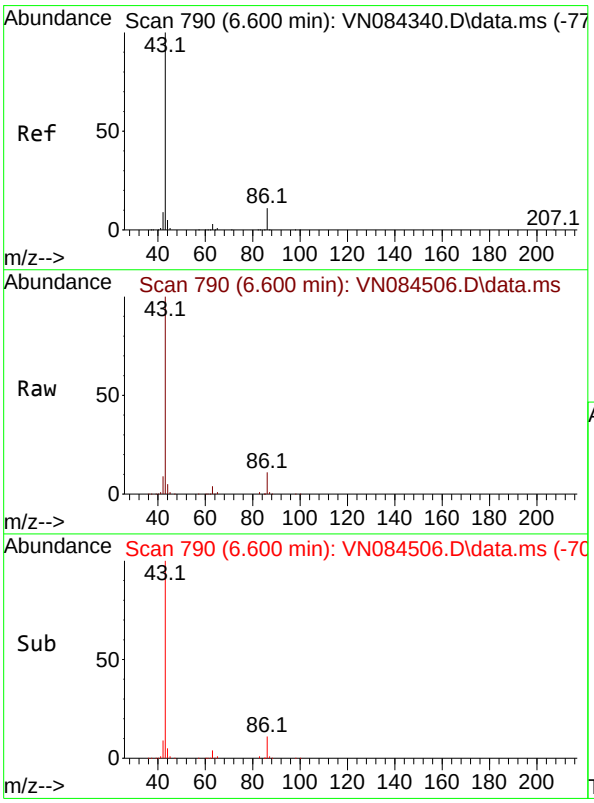
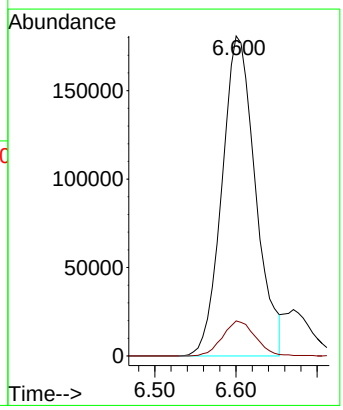
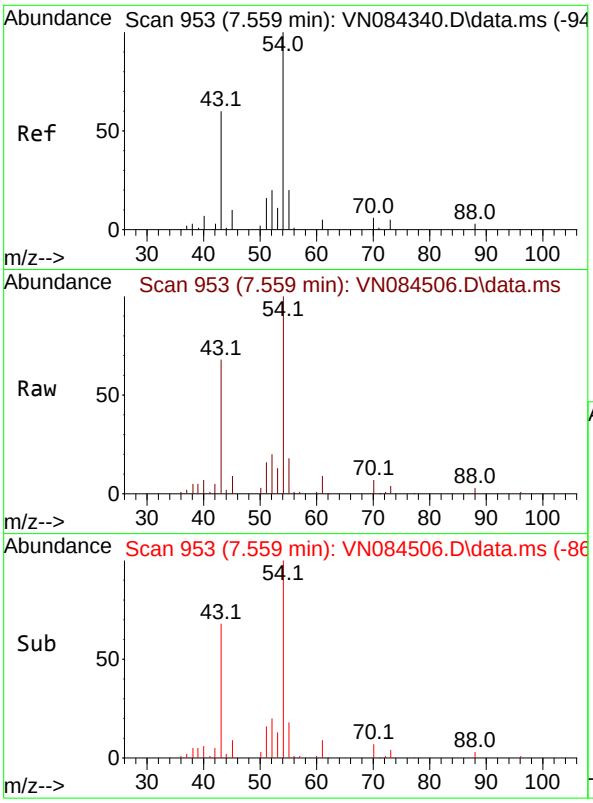


#42
Vinyl Acetate
Concen: 87.481 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 519106

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.5	12.7

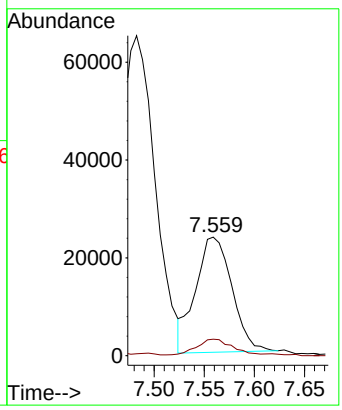




#43
Ethyl Acetate
Concen: 17.652 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 5939

Ion	Ratio	Lower	Upper
43	100		
45	14.6	10.6	16.0



Instrument :
MSVOA_N
ClientSampleId :
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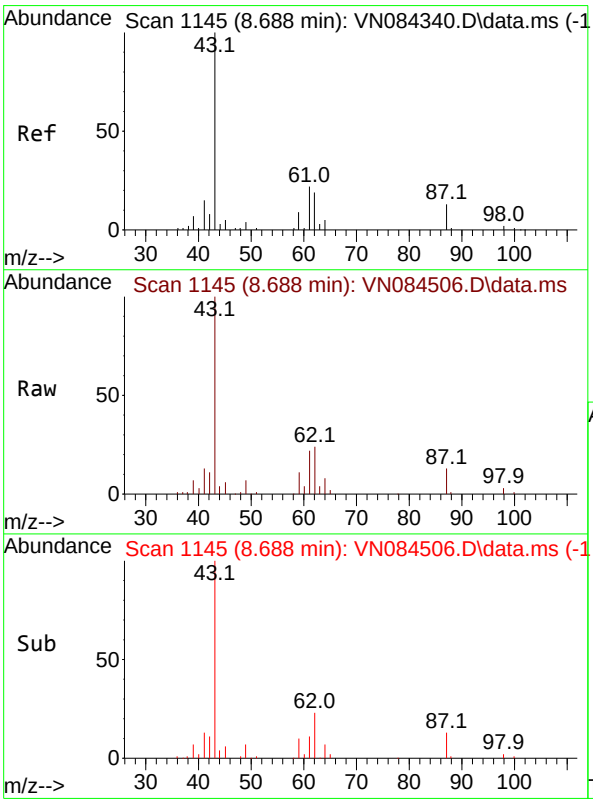
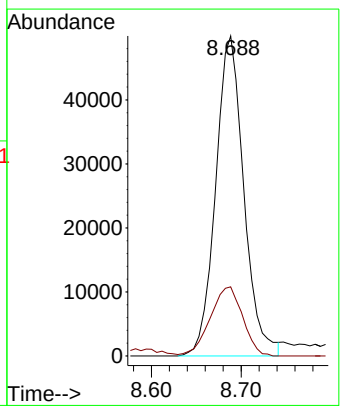
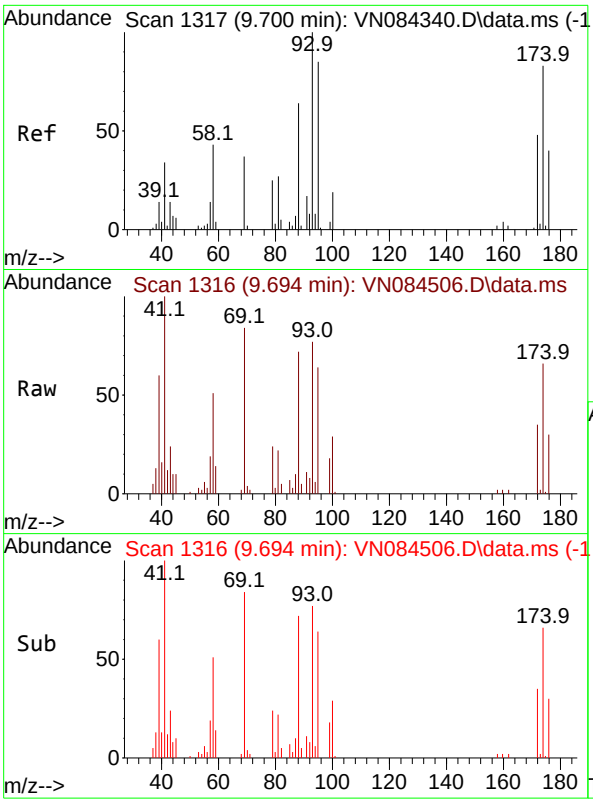


#44
Isopropyl Acetate
Concen: 19.794 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 109016

Ion	Ratio	Lower	Upper
43	100		
61	24.9	21.4	32.2

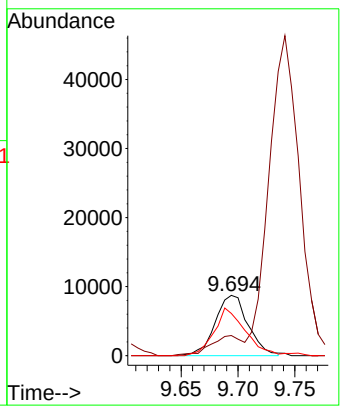




#45
1,4-Dioxane
Concen: 354.009 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 88 Resp: 1757

Ion	Ratio	Lower	Upper
88	100		
43	30.1	22.4	33.6
58	74.1	59.7	89.5



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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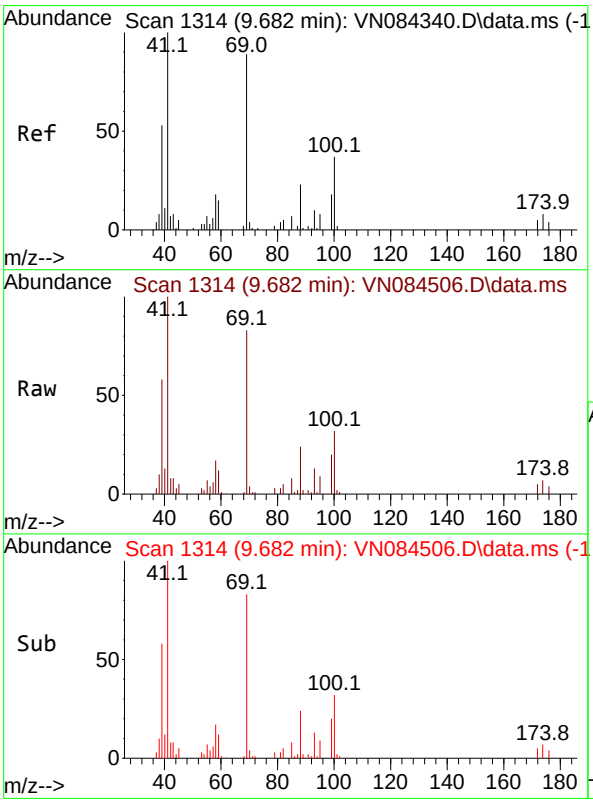
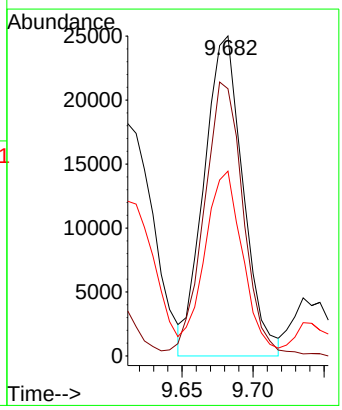
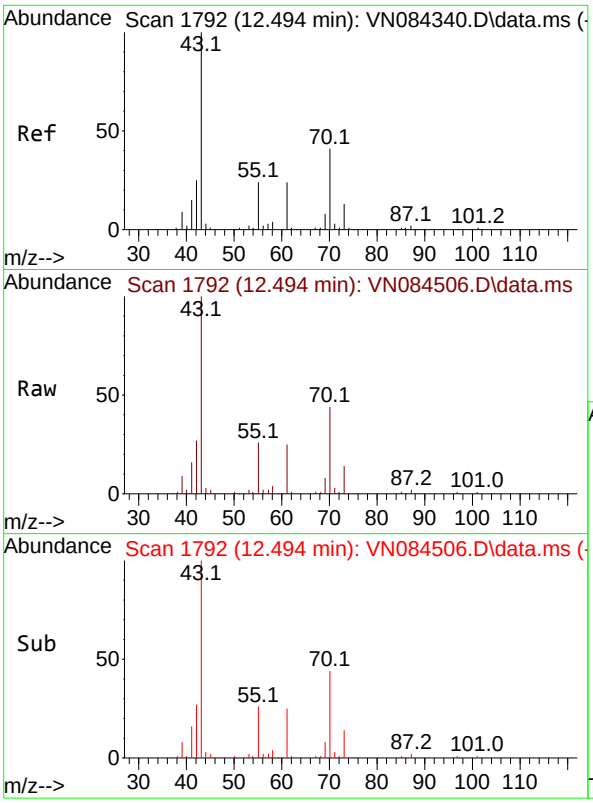


#46
Methyl methacrylate
Concen: 17.961 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 41 Resp: 47794

Ion	Ratio	Lower	Upper
41	100		
69	86.4	42.6	128.0
39	58.5	27.5	82.4

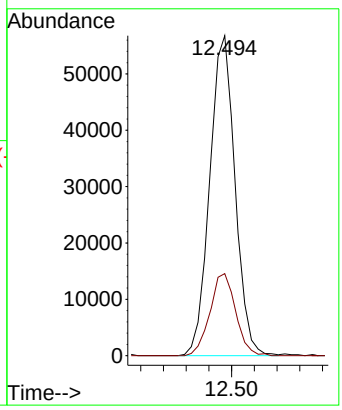




#47
n-amyl Acetate
Concen: 17.937 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 8787

Ion	Ratio	Lower	Upper
43	100		
55	26.0	20.6	31.0



Instrument :
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ClientSampleId :
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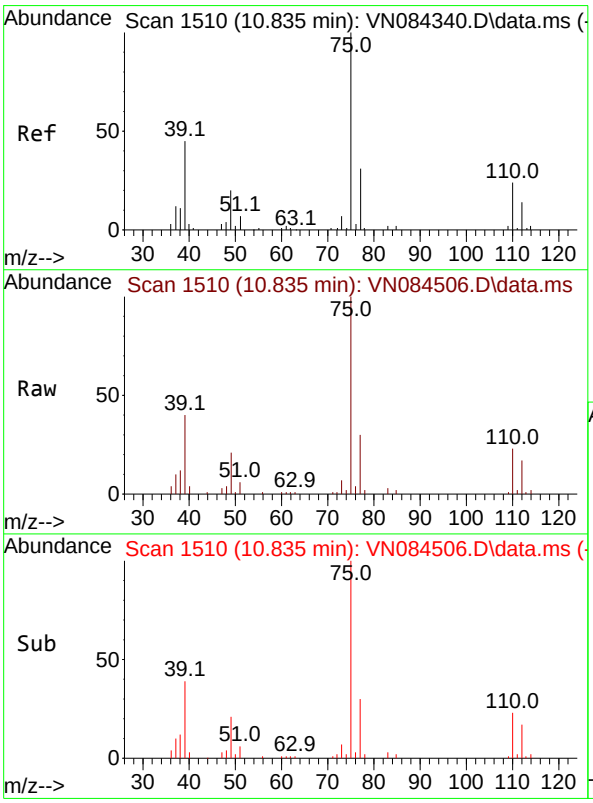
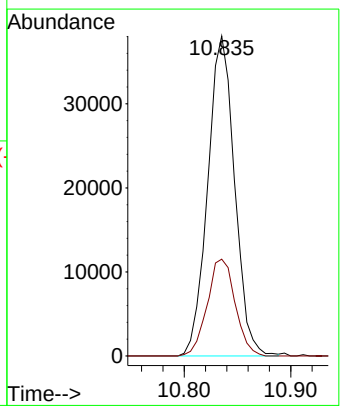
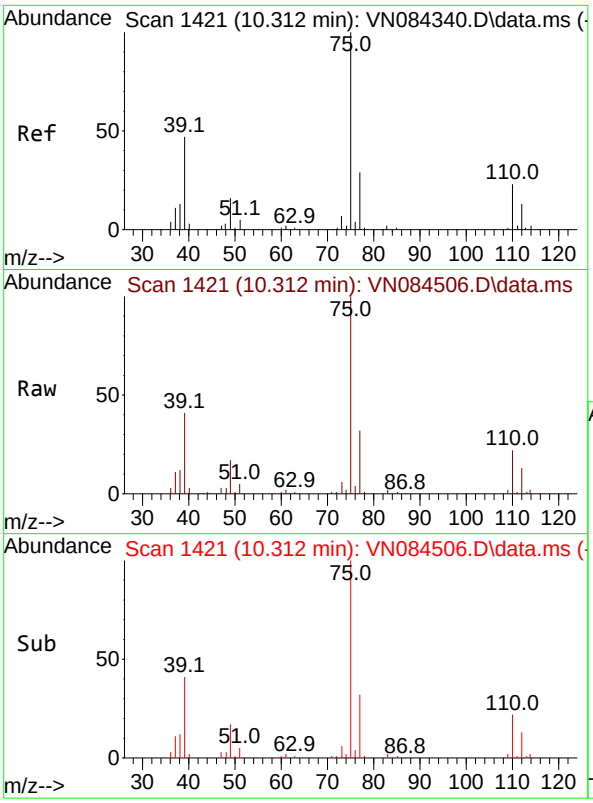


#48
t-1,3-Dichloropropene
Concen: 17.805 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 66779

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.6	37.0

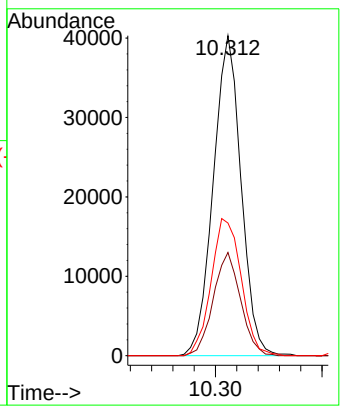




#49
cis-1,3-Dichloropropene
Concen: 18.565 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 7297

Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.9	34.3
39	41.5	37.4	56.2



Instrument :
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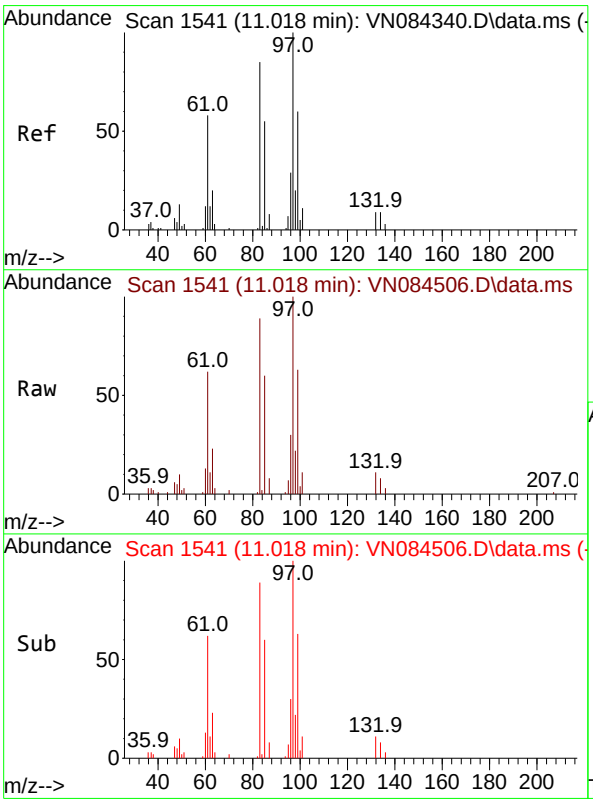
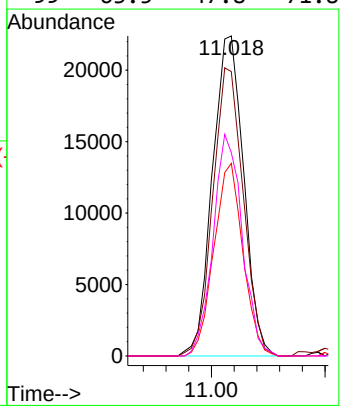
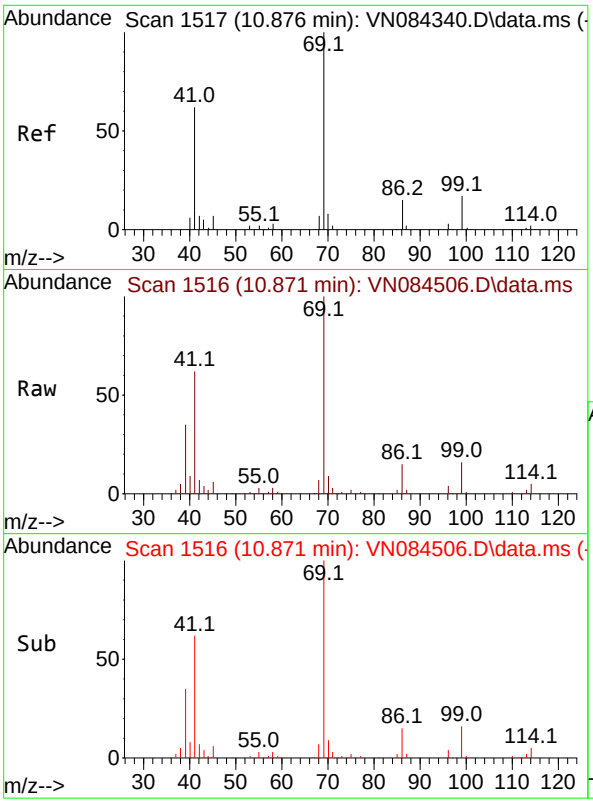


#50
1,1,2-Trichloroethane
Concen: 18.584 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 97 Resp: 42706

Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.8	101.8
85	60.2	44.2	66.2
99	63.5	47.8	71.8

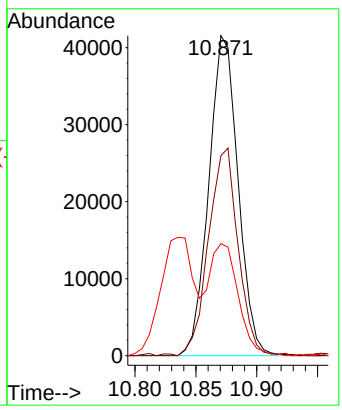




#51
Ethyl methacrylate
Concen: 18.314 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 69 Resp: 6951

Ion	Ratio	Lower	Upper
69	100		
41	62.5	30.9	92.7
39	34.5	16.6	49.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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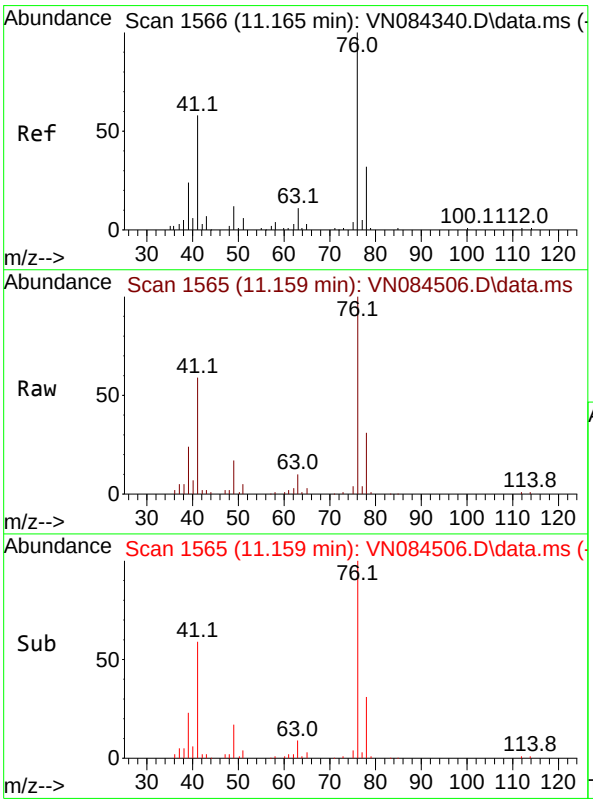
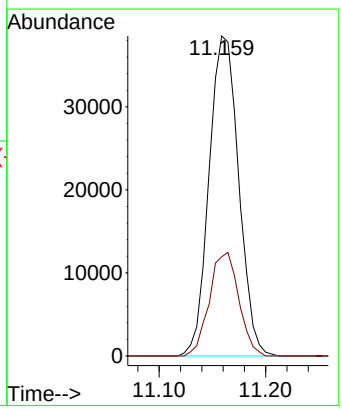
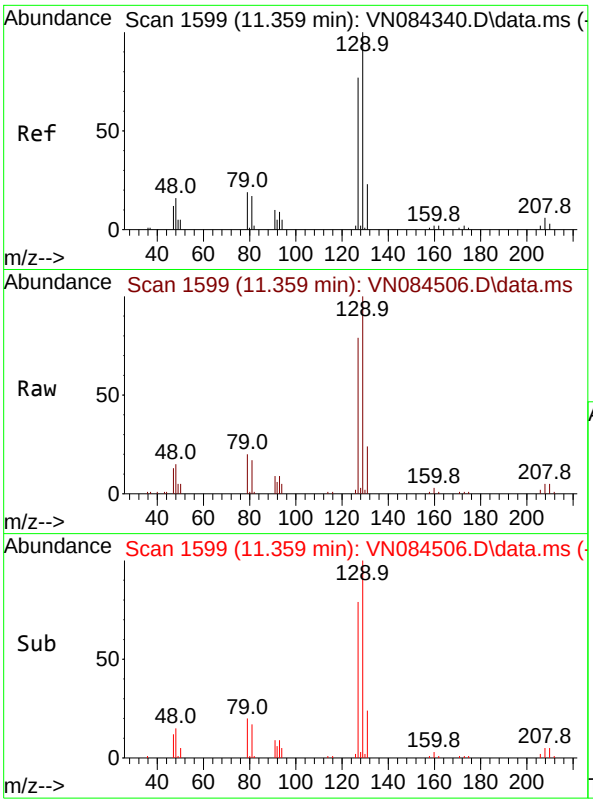


#52
1,3-Dichloropropane
Concen: 18.534 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 76 Resp: 74470

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2

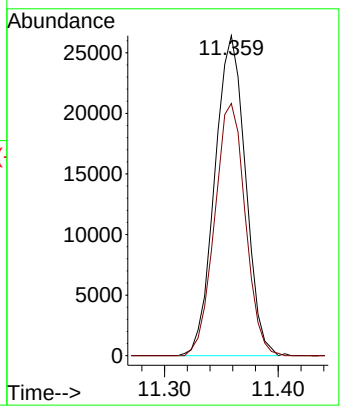




#53
Dibromochloromethane
Concen: 18.294 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:129 Resp: 4966

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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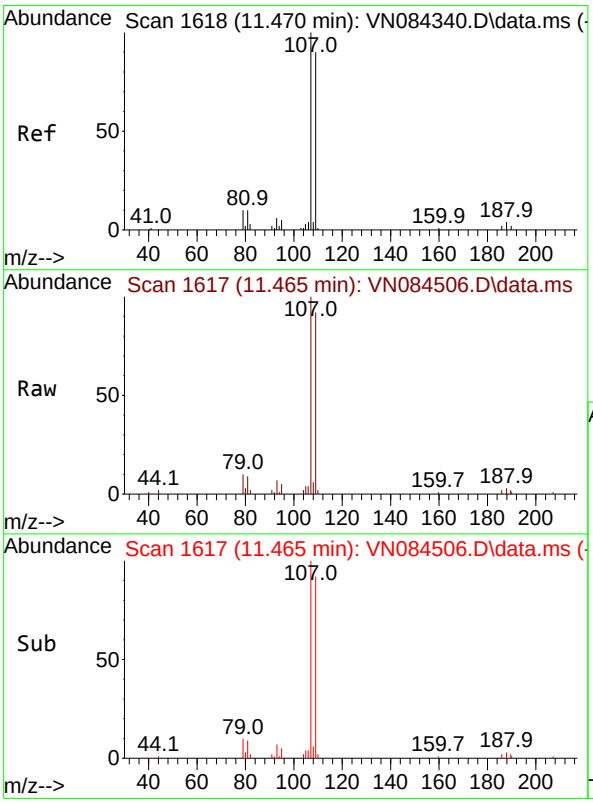
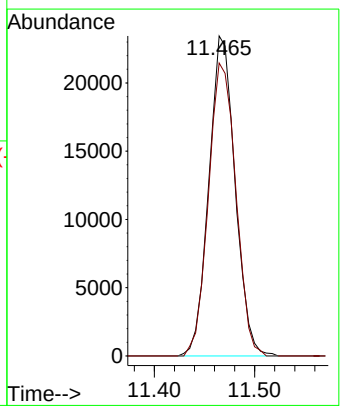
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

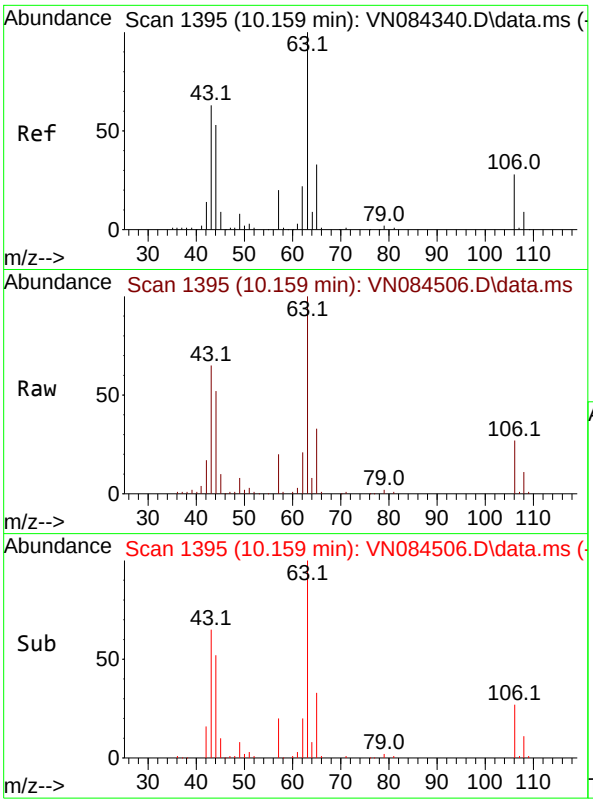


#54
1,2-Dibromoethane
Concen: 17.974 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:107 Resp: 42517

Ion	Ratio	Lower	Upper
107	100		
109	95.5	73.8	110.6

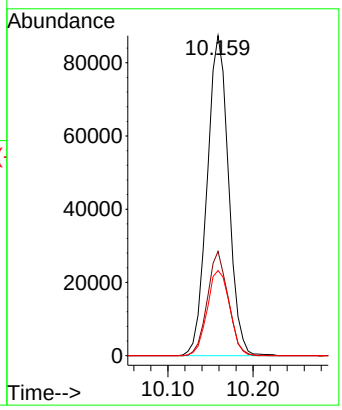




#55
2-Chloroethyl vinyl ether
Concen: 88.579 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 63 Resp: 15249

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.6	38.4
106	28.0	21.6	32.4



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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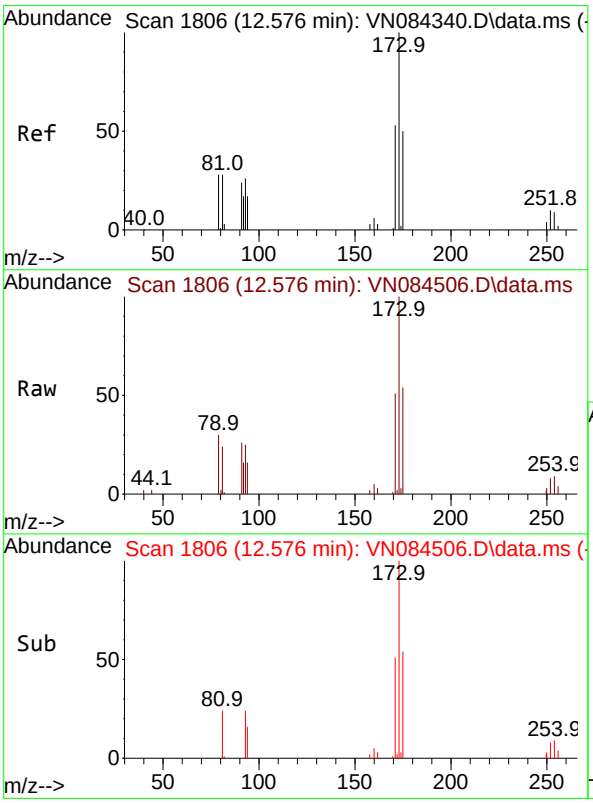
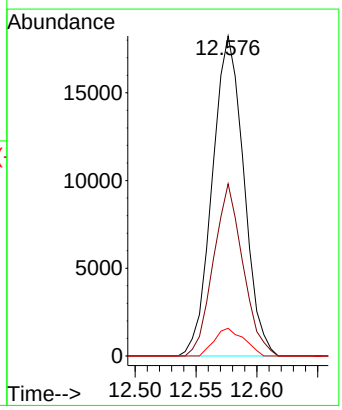
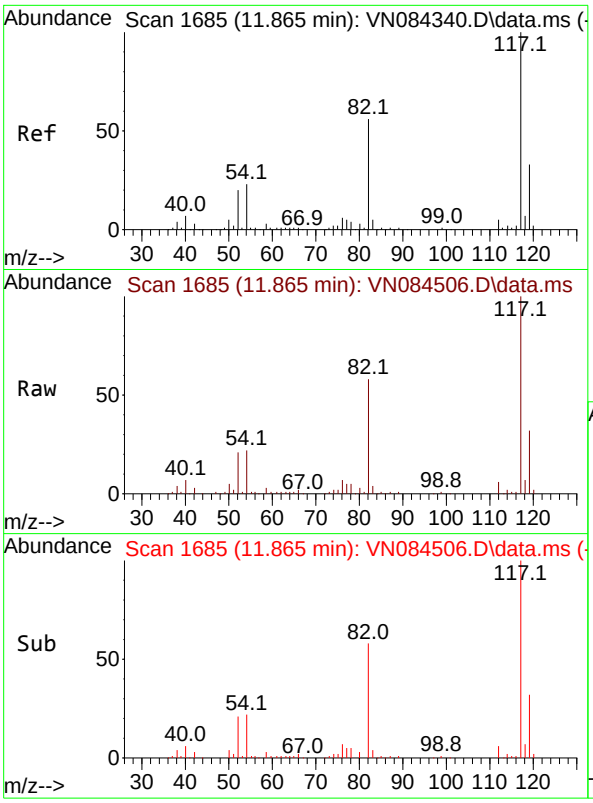


#56
Bromoform
Concen: 18.203 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:173 Resp: 32774

Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.4	59.2
254	8.1	6.8	10.2

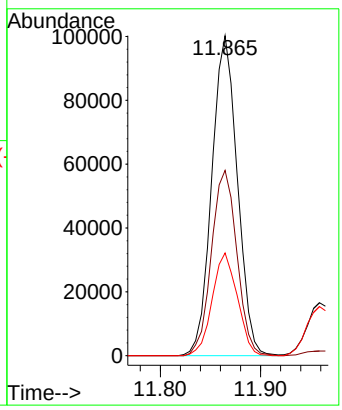




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:117 Resp: 17775

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.2	69.4
119	31.6	25.4	38.2



Instrument :
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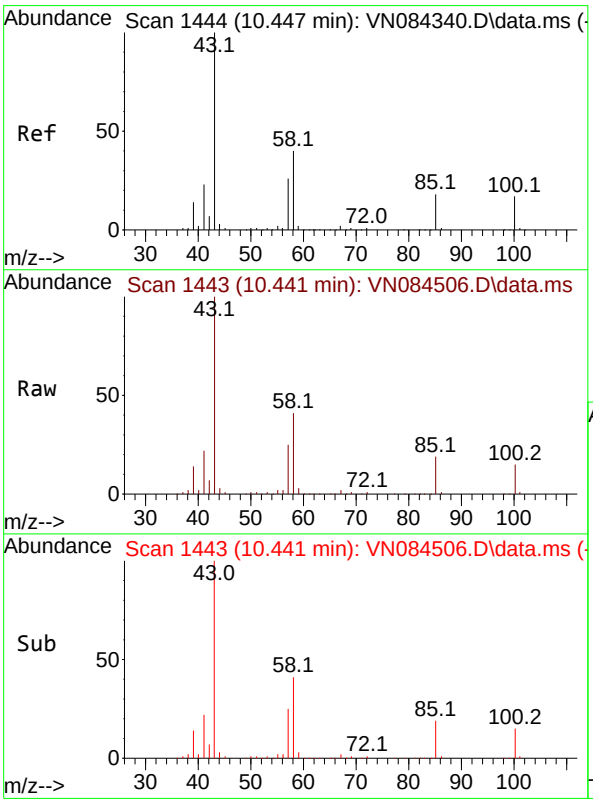
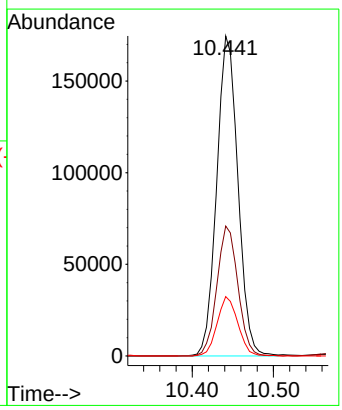
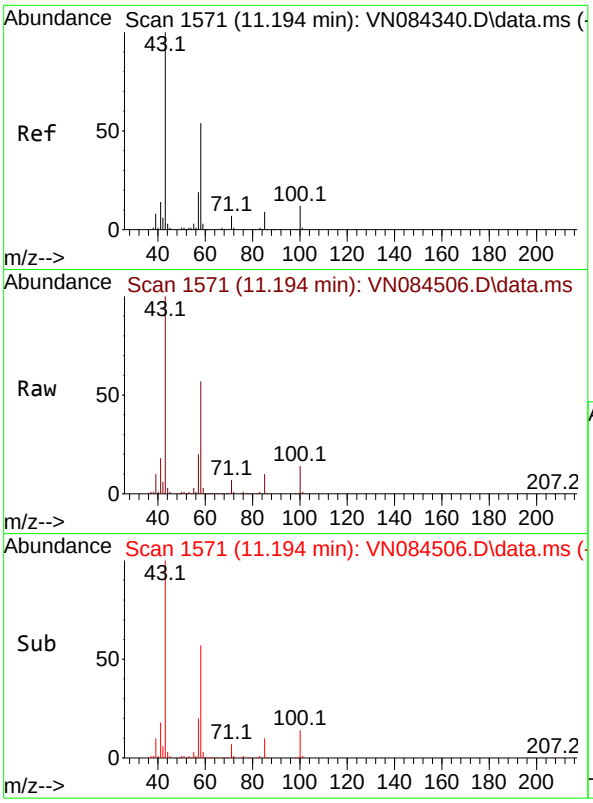


#58
4-Methyl-2-Pentanone
Concen: 95.920 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 317615

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.9	47.9
85	18.1	14.6	22.0





#59
2-Hexanone
Concen: 97.299 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 23940

Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.0	66.0
57	19.2	15.4	23.2

Instrument :
MSVOA_N
ClientSampleId :
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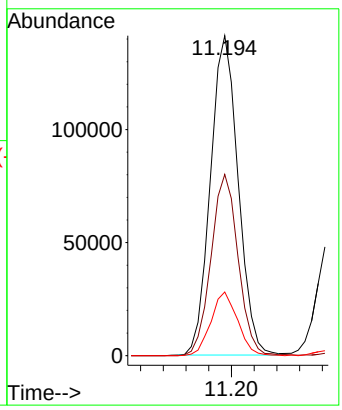
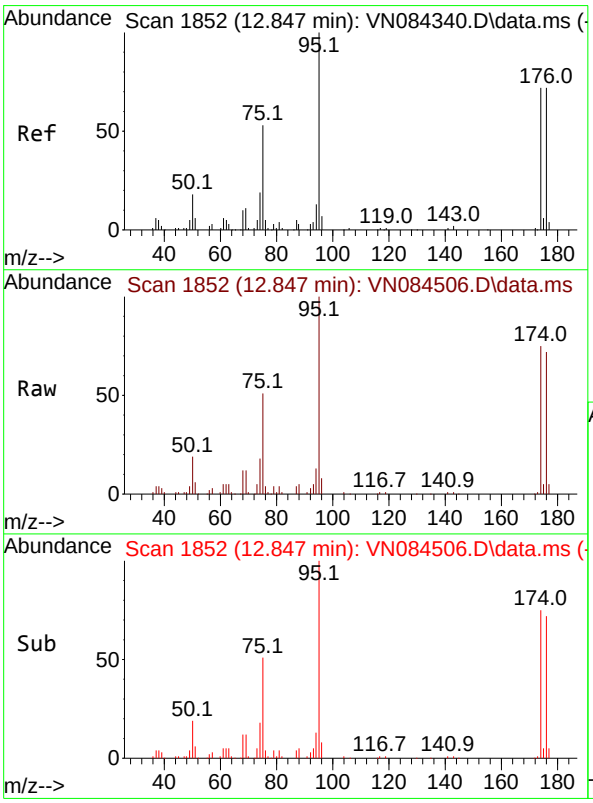
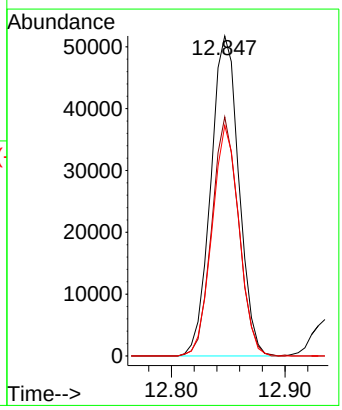


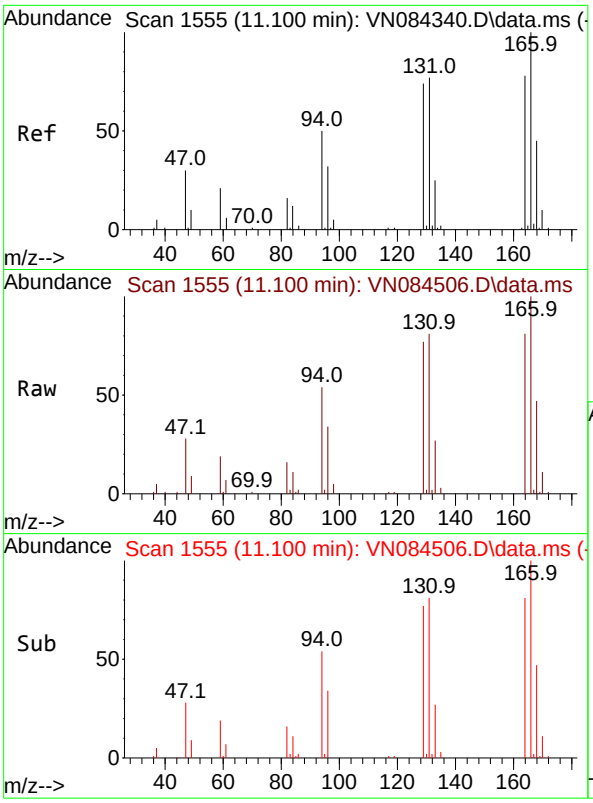


#60
4-Bromofluorobenzene
Concen: 30.291 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 95 Resp: 88864

Ion	Ratio	Lower	Upper
95	100		
174	71.0	58.2	87.2
176	69.4	56.4	84.6

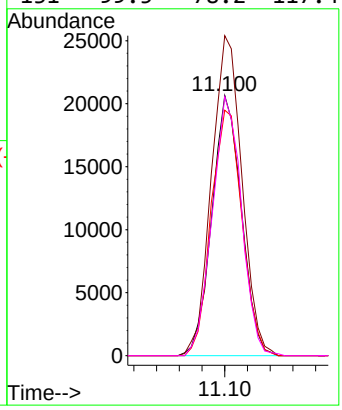




#61
Tetrachloroethene
Concen: 18.541 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:164 Resp: 3727

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.5	153.7
129	94.4	75.7	113.5
131	99.5	78.2	117.4



Instrument :
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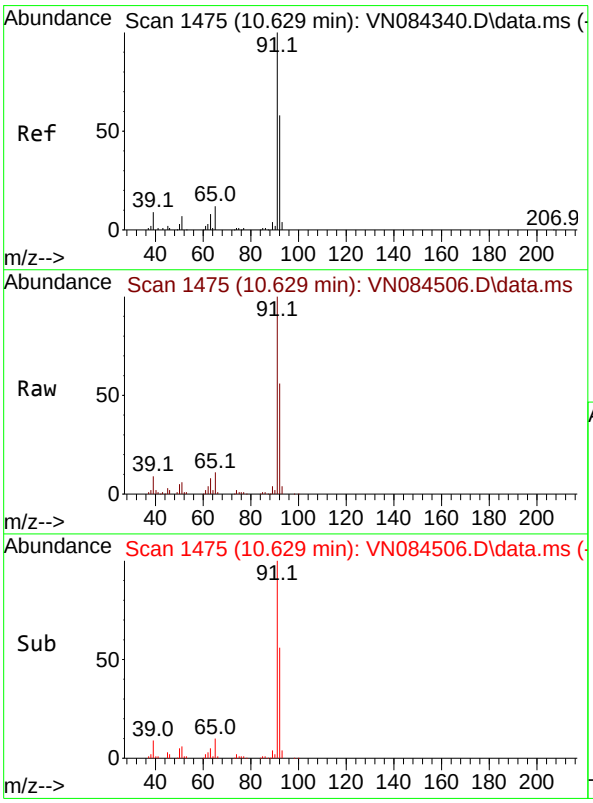
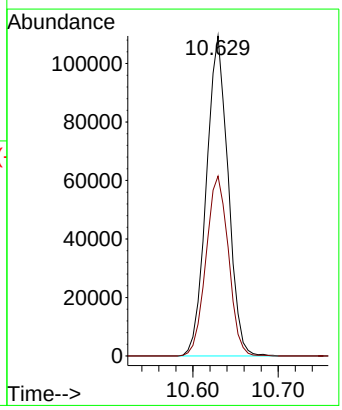
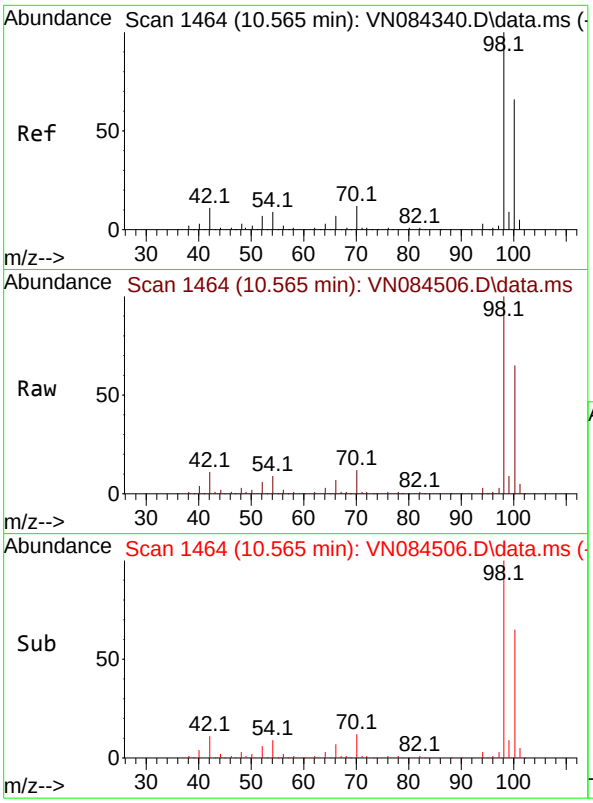


#62
Toluene
Concen: 18.564 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 193173

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.2	70.8





#63
Toluene-d8
Concen: 29.532 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 98 Resp: 24318

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.5	78.7

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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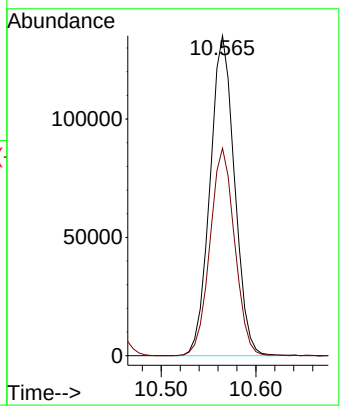
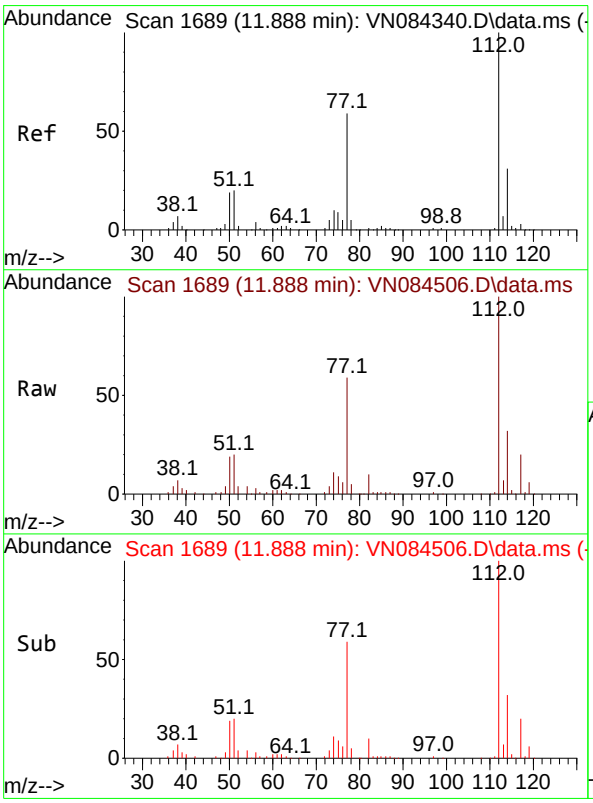
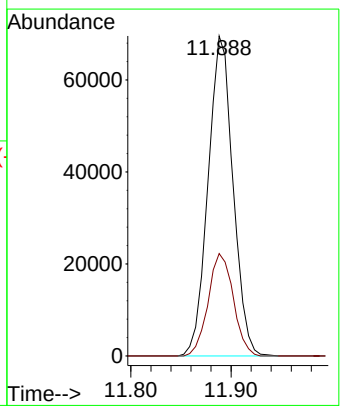


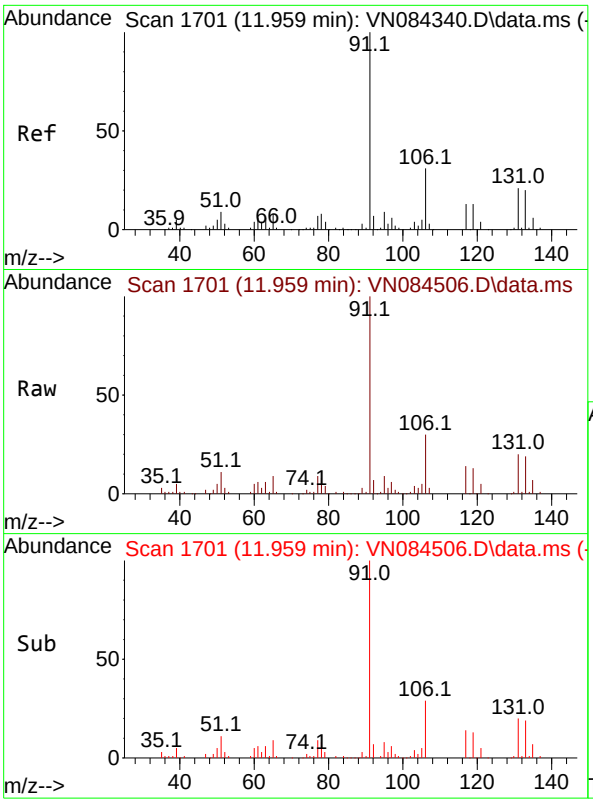


#64
Chlorobenzene
Concen: 18.532 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:112 Resp: 120005

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7





#65
1,1,1,2-Tetrachloroethane
Concen: 18.860 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:131 Resp: 4242

Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	190.4
119	65.7	0.0	130.0

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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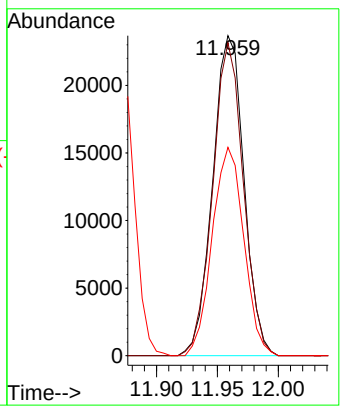
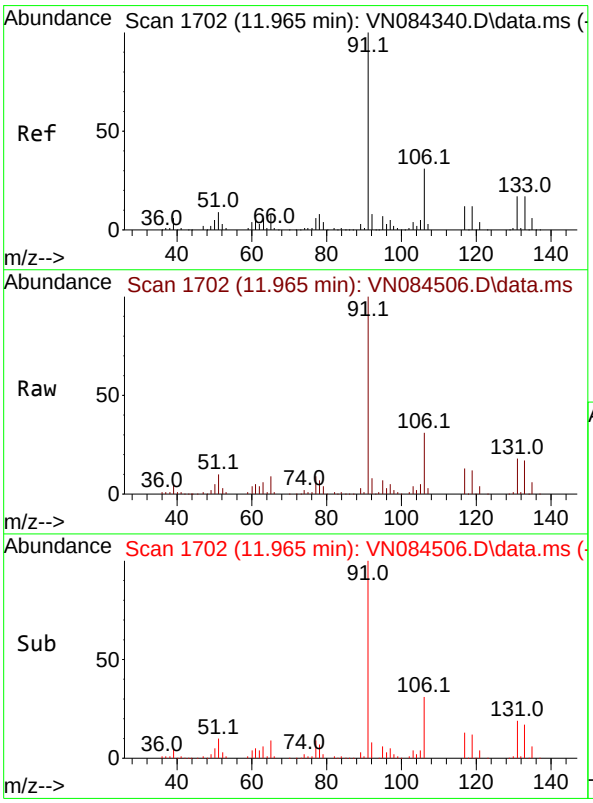
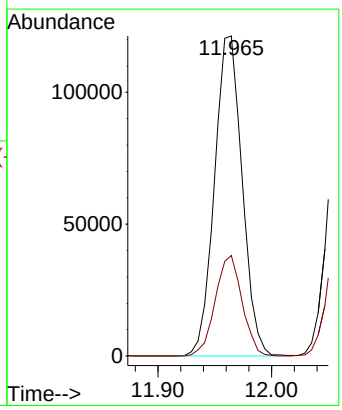


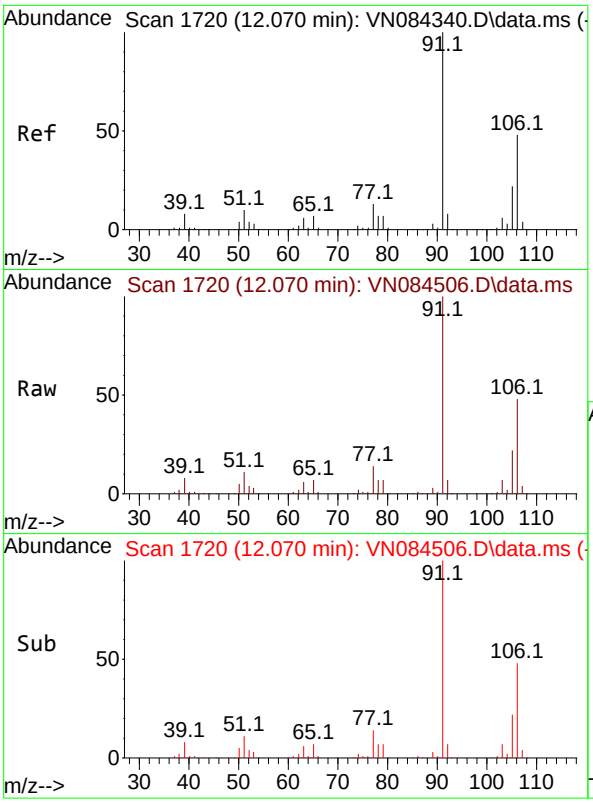


#66
Ethyl Benzene
Concen: 18.185 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 205594

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.2	37.8

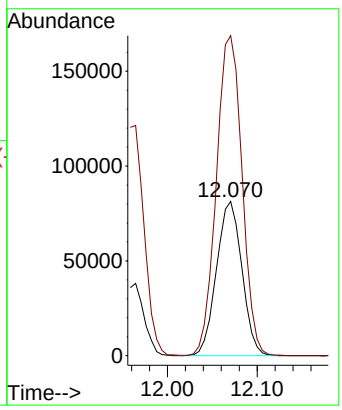




#67
m/p-Xylenes
Concen: 37.286 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:106 Resp: 15991

Ion	Ratio	Lower	Upper
106	100		
91	209.4	166.7	250.1



Instrument :
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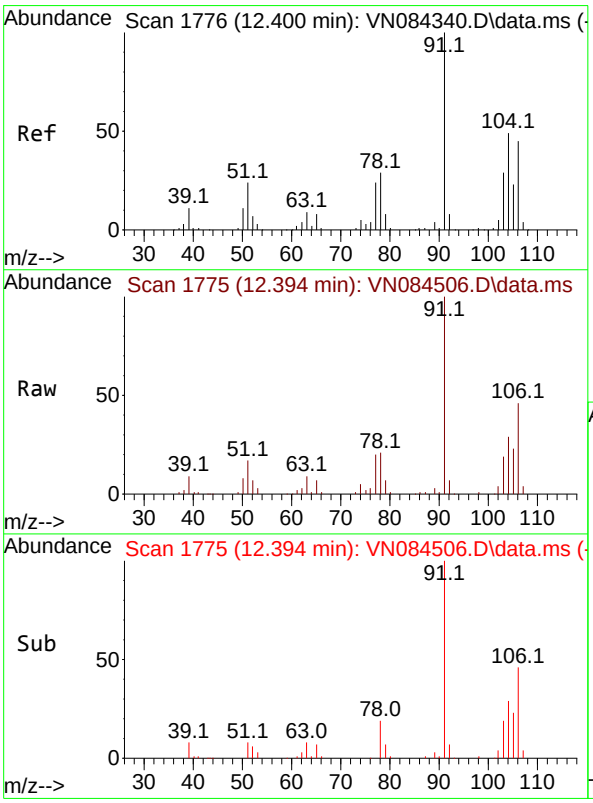
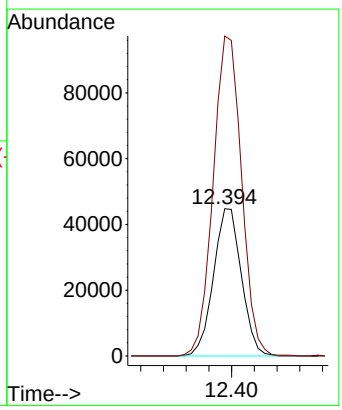
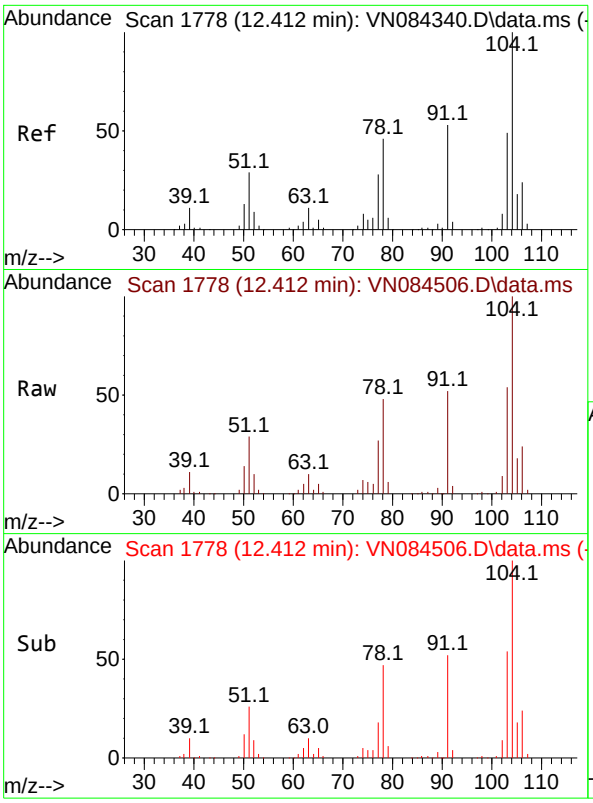


#68
o-Xylene
Concen: 18.463 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:106 Resp: 76327

Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.9	332.9

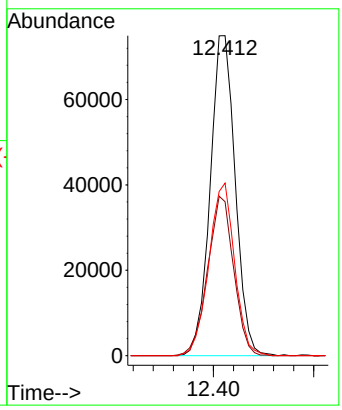




#69
Styrene
Concen: 18.321 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:104 Resp: 13001

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	55.4	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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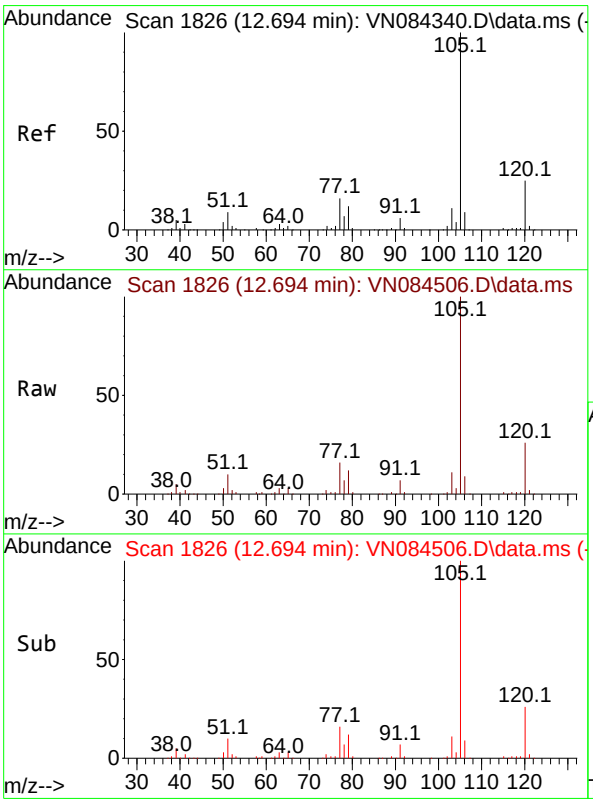
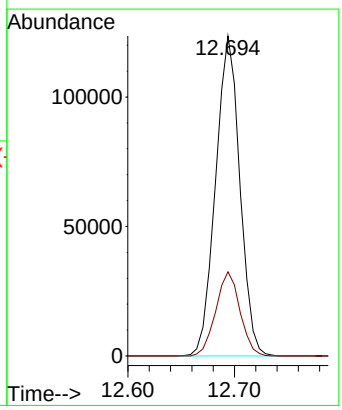
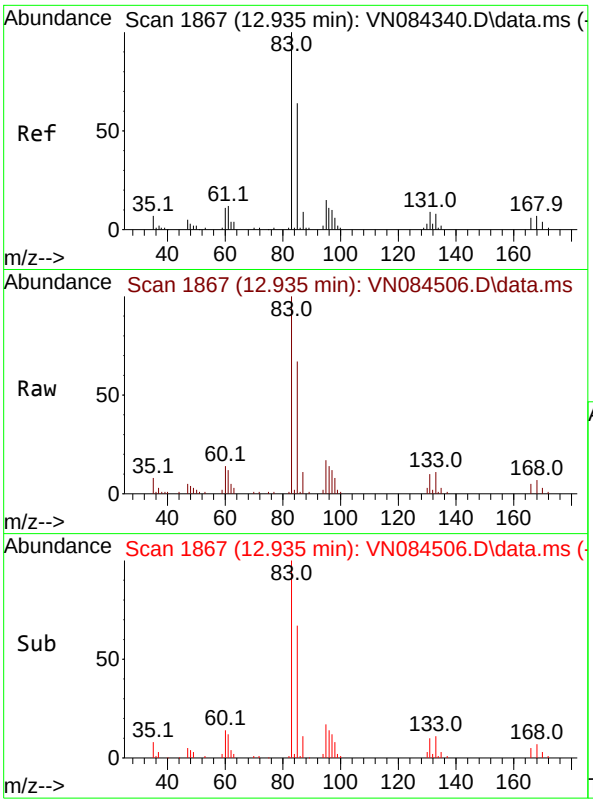


#70
Isopropylbenzene
Concen: 18.487 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 195104

Ion	Ratio	Lower	Upper
105	100		
120	26.2	17.4	32.4

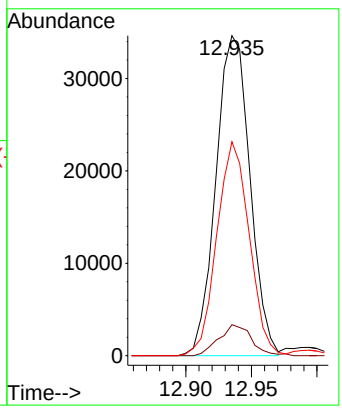




#71
1,1,2,2-Tetrachloroethane
Concen: 19.140 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 83 Resp: 6248

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.1	15.3
85	63.6	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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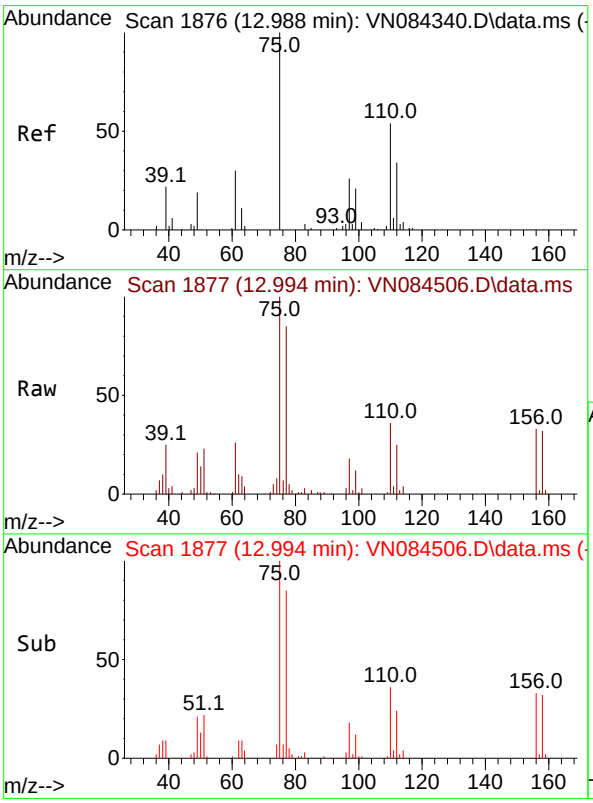
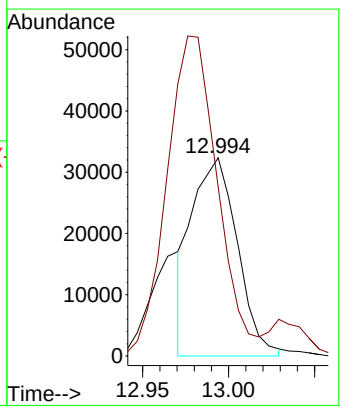
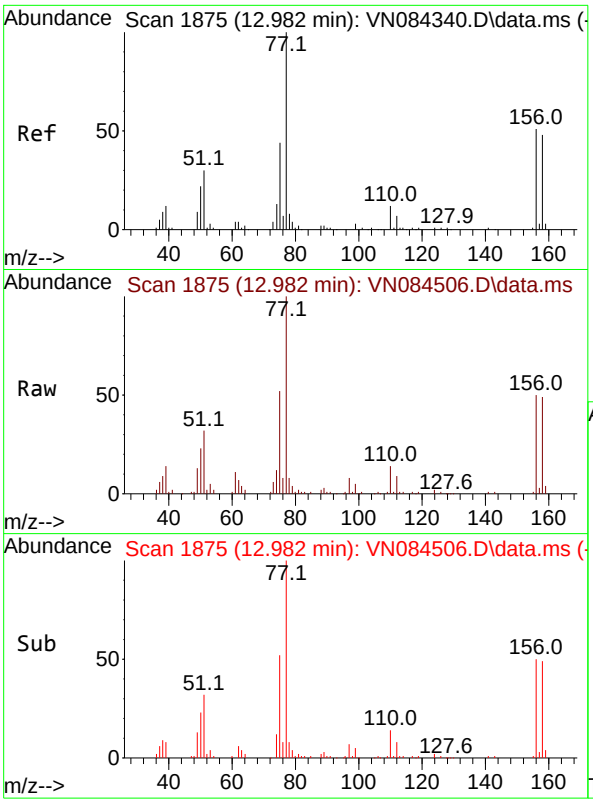


#72
1,2,3-Trichloropropane
Concen: 21.282 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 59504

Ion	Ratio	Lower	Upper
75	100		
77	179.7	0.0	414.0

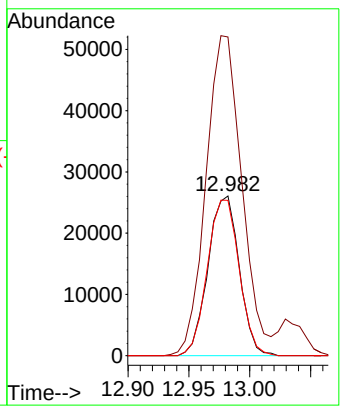




#73
Bromobenzene
Concen: 18.224 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:156 Resp: 4657

Ion	Ratio	Lower	Upper
156	100		
77	229.5	0.0	451.0
158	99.6	0.0	194.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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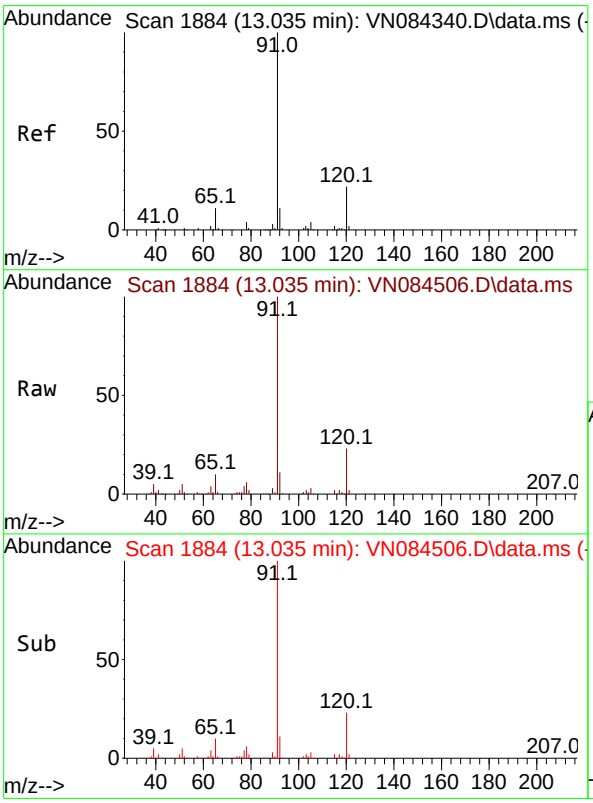
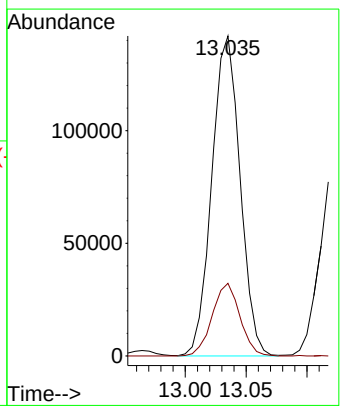
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

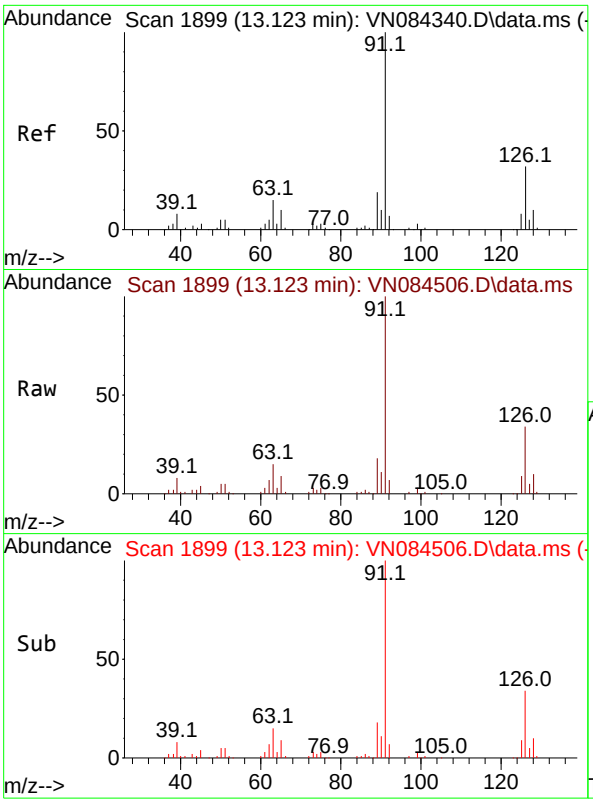


#74
n-propylbenzene
Concen: 18.253 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 229550

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.2





#75
2-Chlorotoluene
Concen: 18.580 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 14519

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0

Instrument :
MSVOA_N
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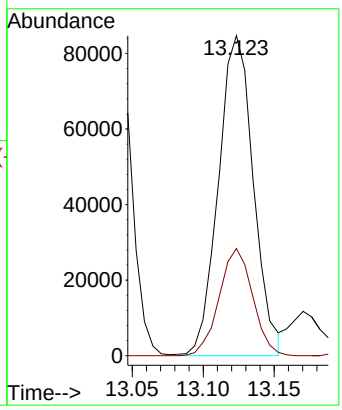
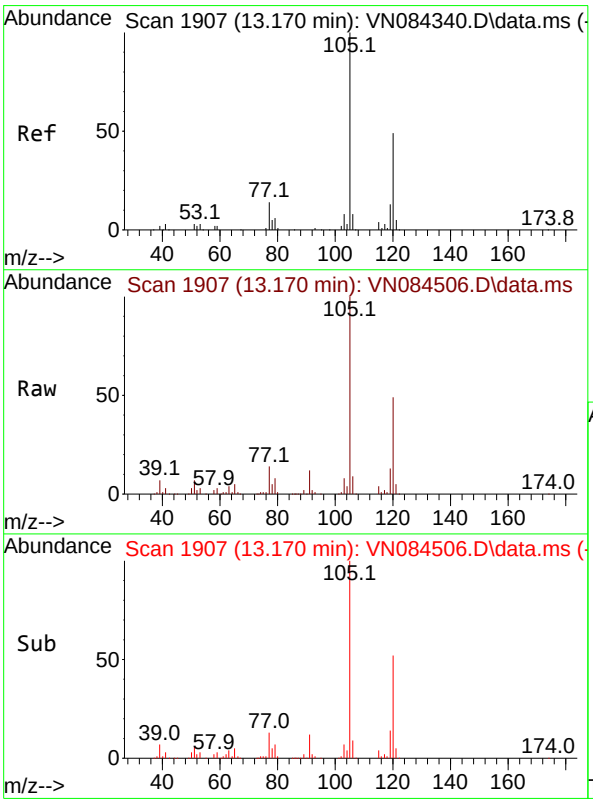
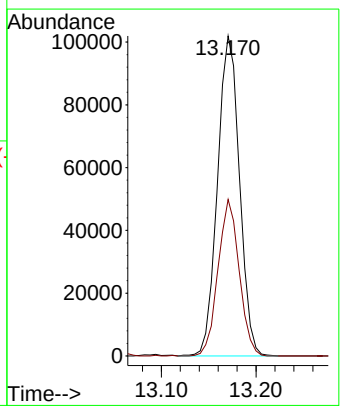


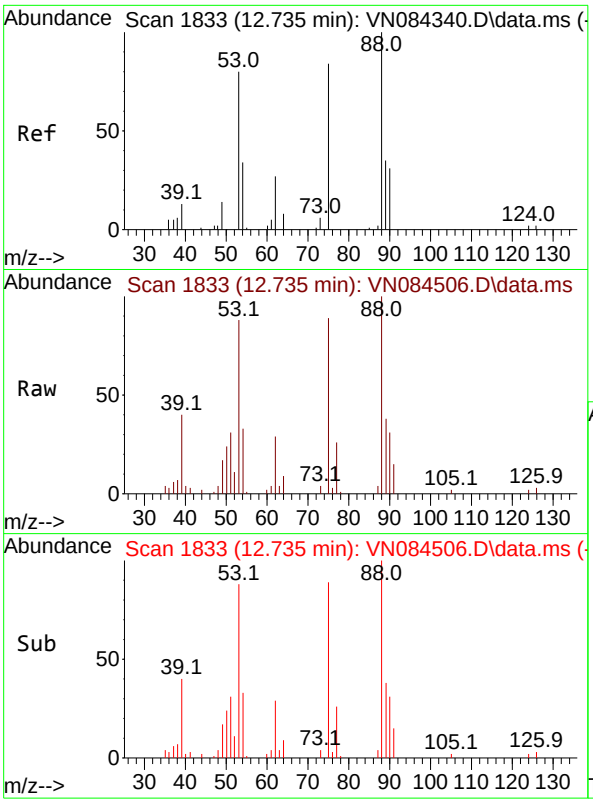


#76
1,3,5-Trimethylbenzene
Concen: 18.518 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 164553

Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	94.4

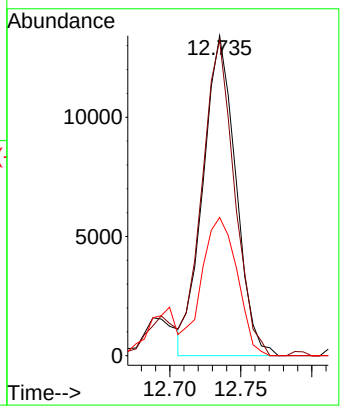




#77
t-1,4-Dichloro-2-butene
Concen: 18.017 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 2152

Ion	Ratio	Lower	Upper
75	100		
53	98.7	47.3	142.0
89	43.2	22.9	68.8



Instrument :
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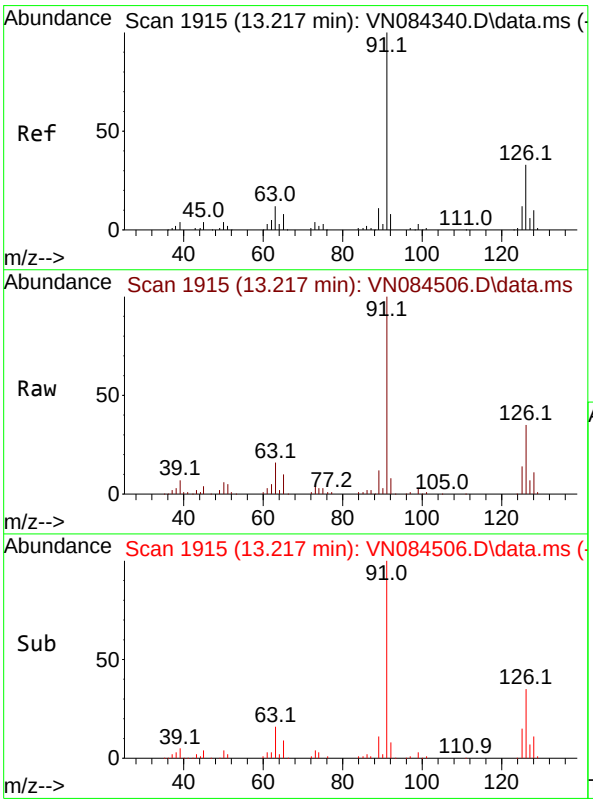
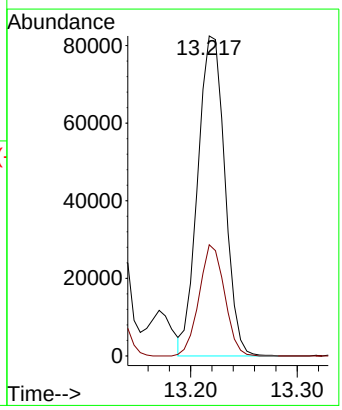
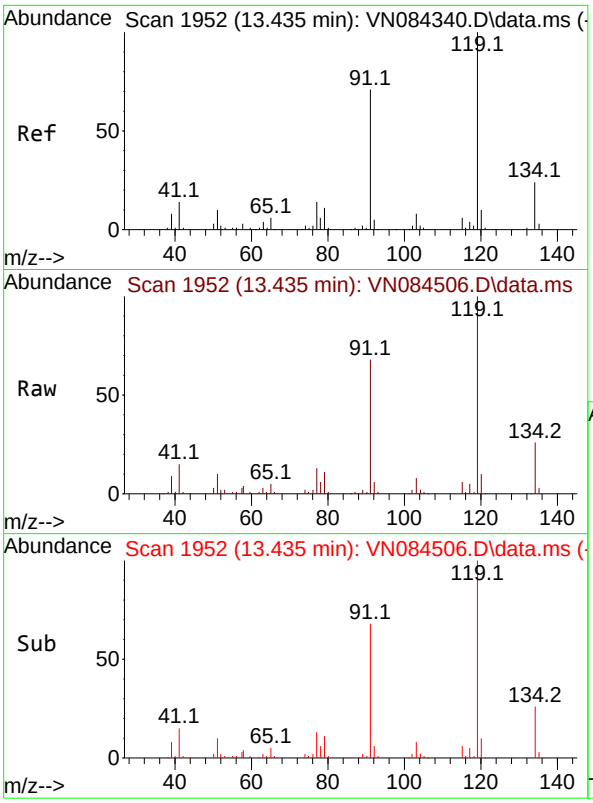


#78
4-Chlorotoluene
Concen: 18.332 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 145653

Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	62.4

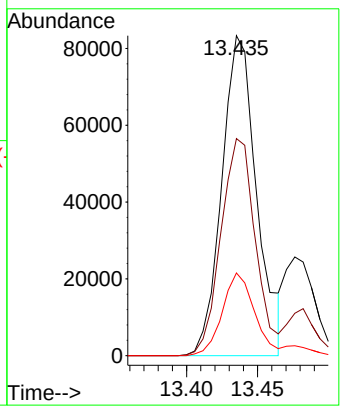




#79
tert-butylbenzene
Concen: 18.822 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:119 Resp: 14268

Ion	Ratio	Lower	Upper
119	100		
91	67.1	0.0	138.0
134	23.8	0.0	48.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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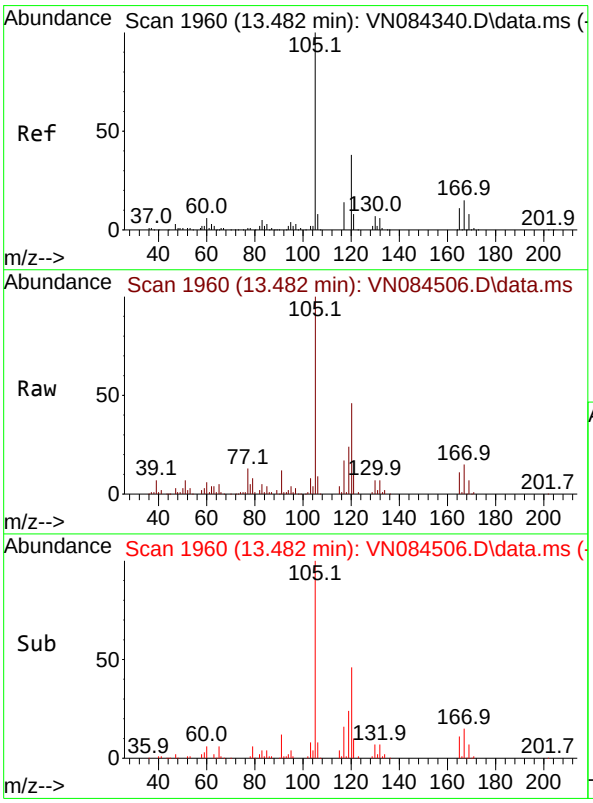
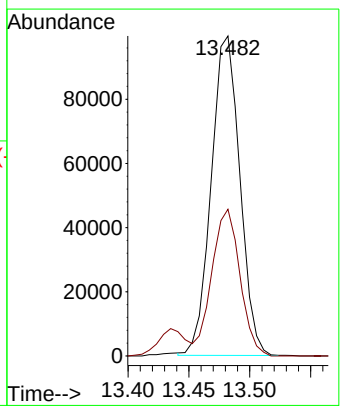
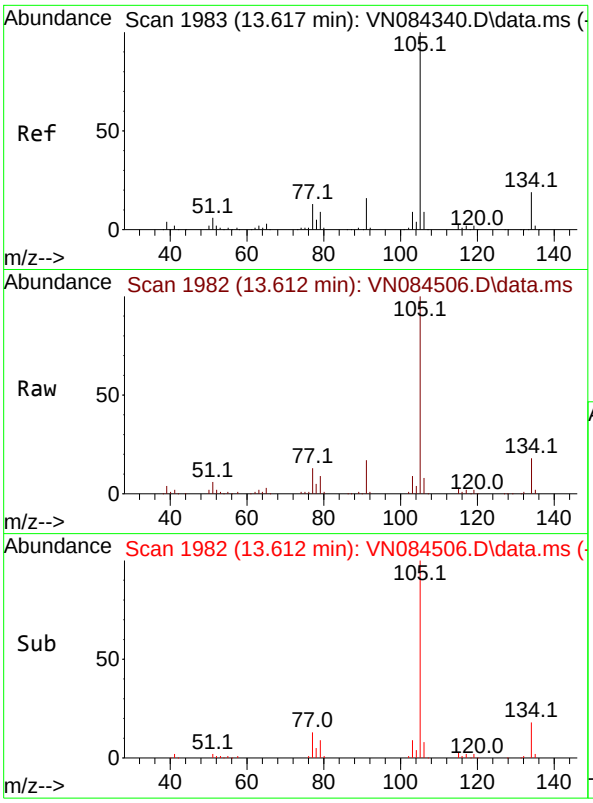


#80
1,2,4-Trimethylbenzene
Concen: 18.059 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 162818

Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	88.8





#81
sec-Butylbenzene
Concen: 18.474 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 19281

Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	38.0

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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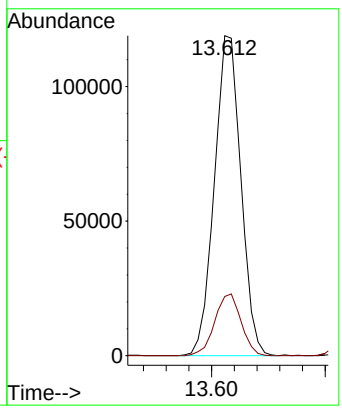
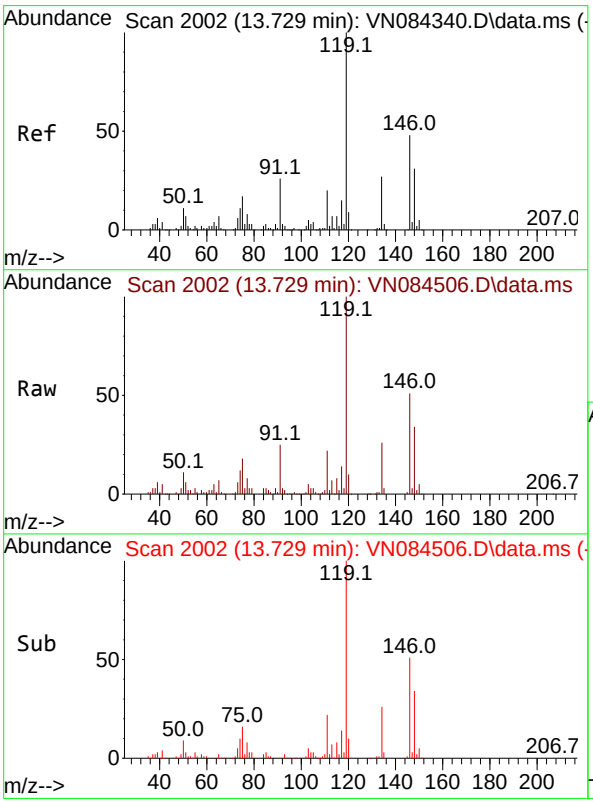
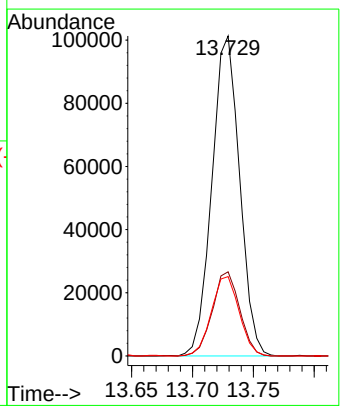


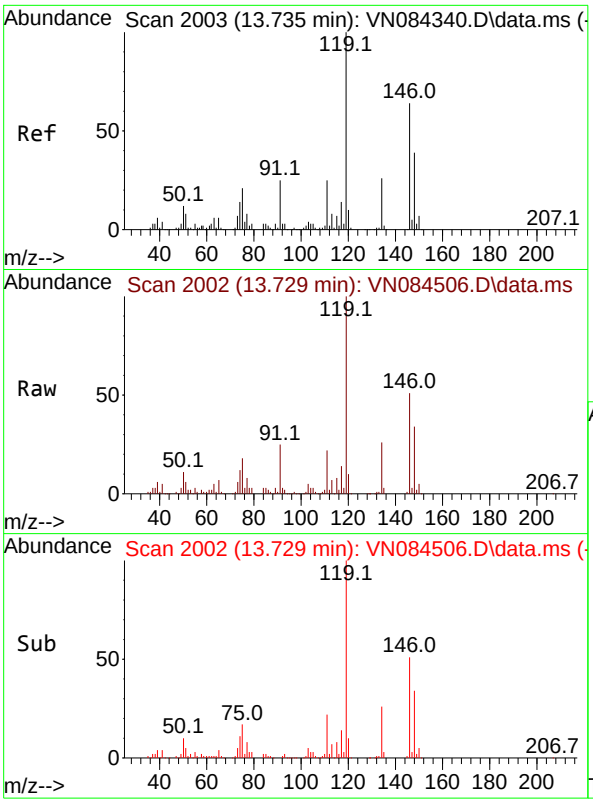


#82
p-Isopropyltoluene
Concen: 18.252 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:119 Resp: 160343

Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	50.2
91	25.0	0.0	50.6





#83
1,3-Dichlorobenzene
Concen: 18.496 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:146 Resp: 8789

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	62.9	31.6	94.7

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2024
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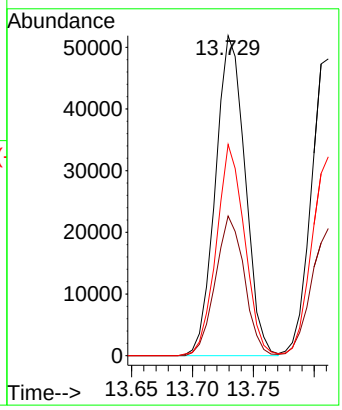
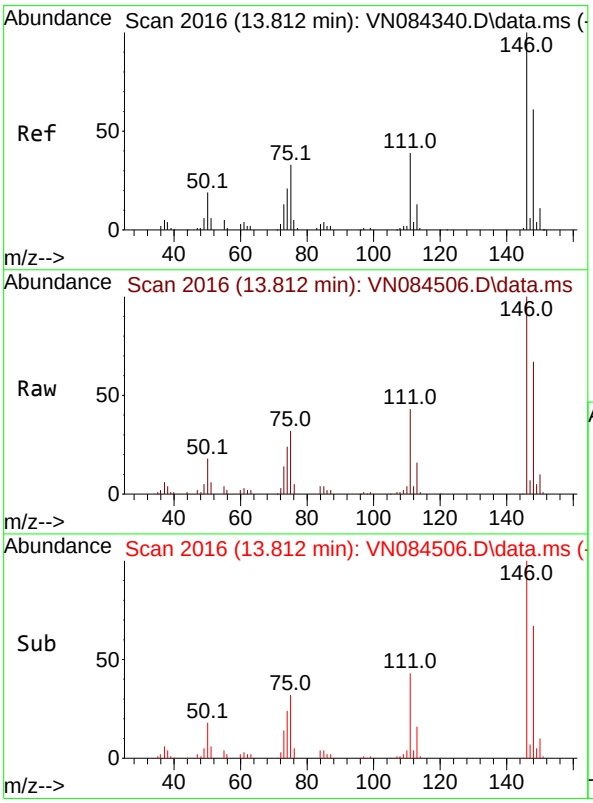
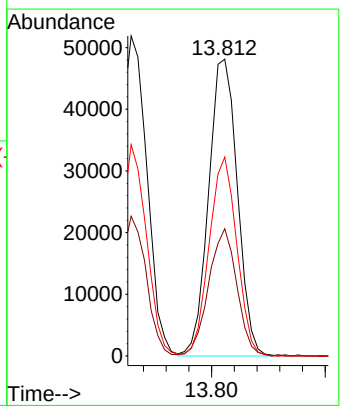


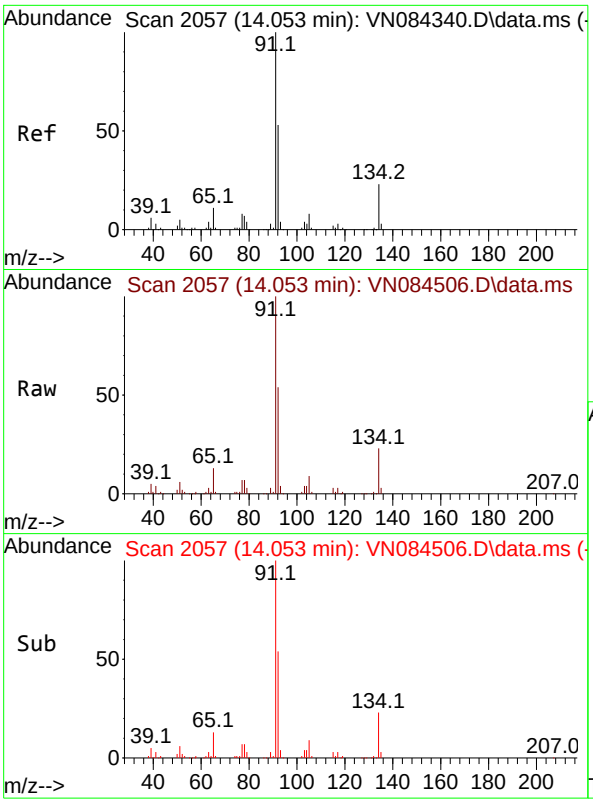


#84
1,4-Dichlorobenzene
Concen: 17.962 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:146 Resp: 84764

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	64.3	32.5	97.4

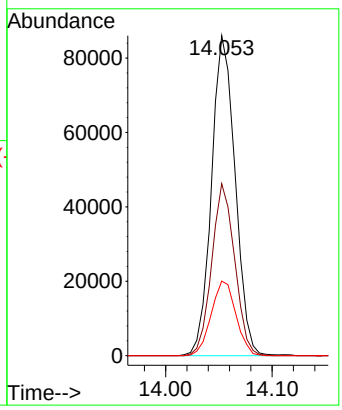




#85
n-Butylbenzene
Concen: 17.435 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 13265

Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	103.4
134	24.4	0.0	48.0



Instrument :
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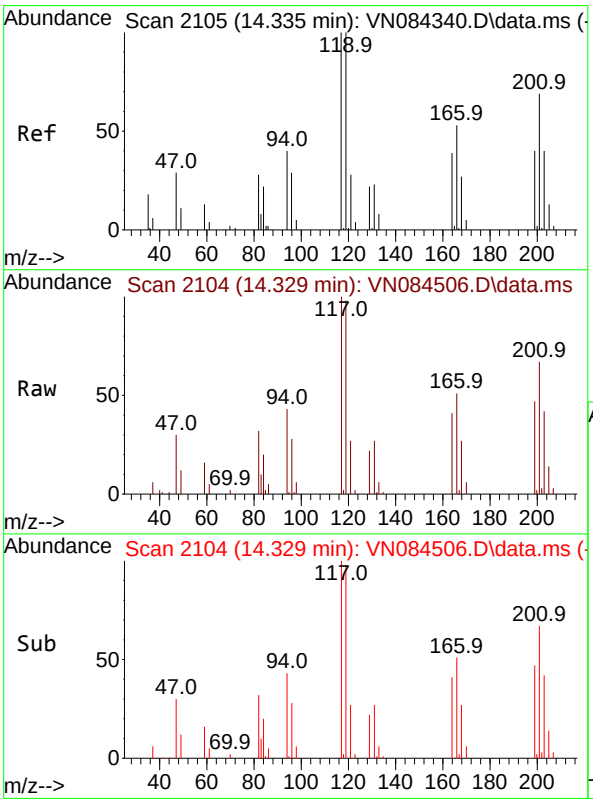
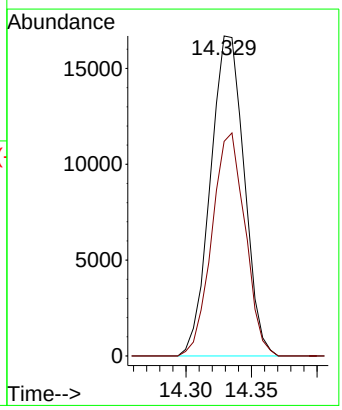
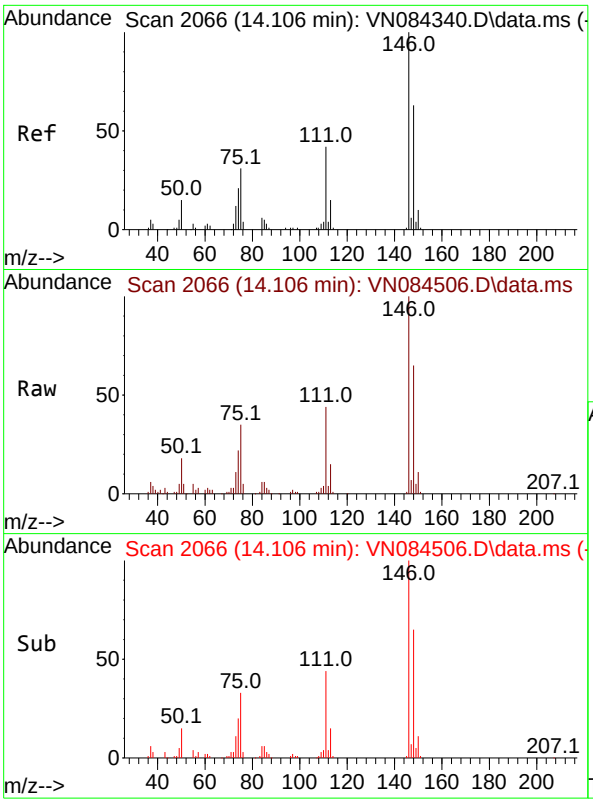


#86
Hexachloroethane
Concen: 17.647 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:117 Resp: 29867

Ion	Ratio	Lower	Upper
117	100		
201	68.5	33.9	101.6

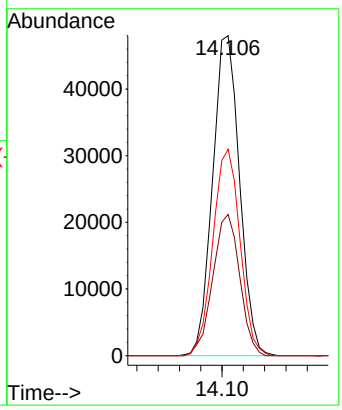




#87
1,2-Dichlorobenzene
Concen: 18.350 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:146 Resp: 8431

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.5
148	64.7	31.1	93.5



Instrument :
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ClientSampleId :
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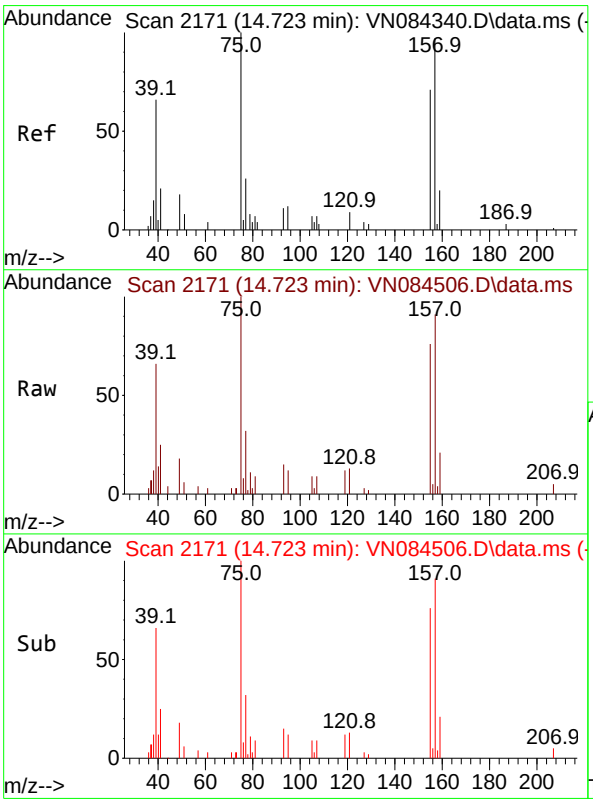
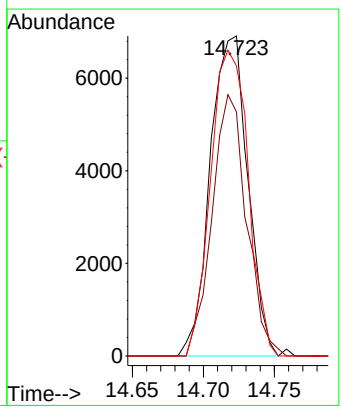
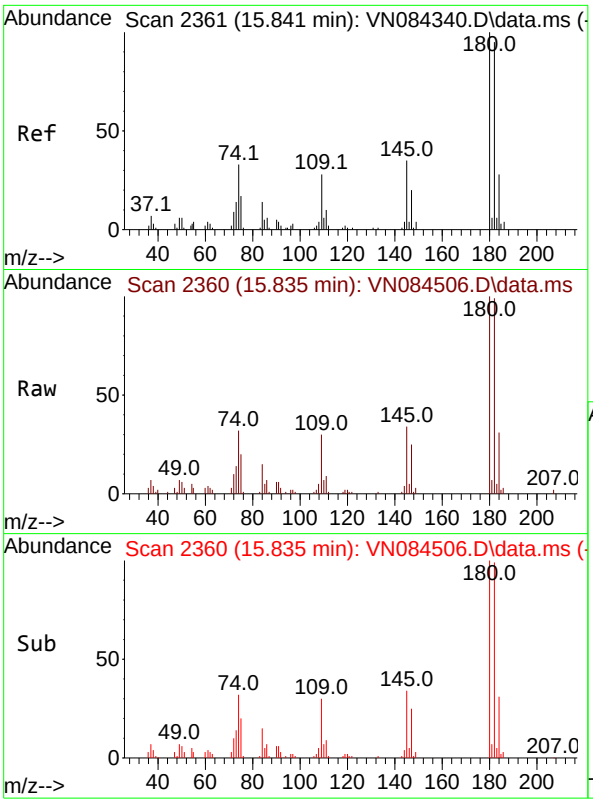


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.033 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 12707

Ion	Ratio	Lower	Upper
75	100		
155	75.0	61.8	92.8
157	96.0	77.4	116.0

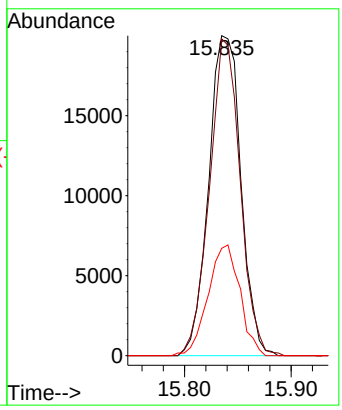




#89
1,2,4-Trichlorobenzene
Concen: 17.602 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:180 Resp: 4205

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.8	116.6
145	34.2	28.9	43.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

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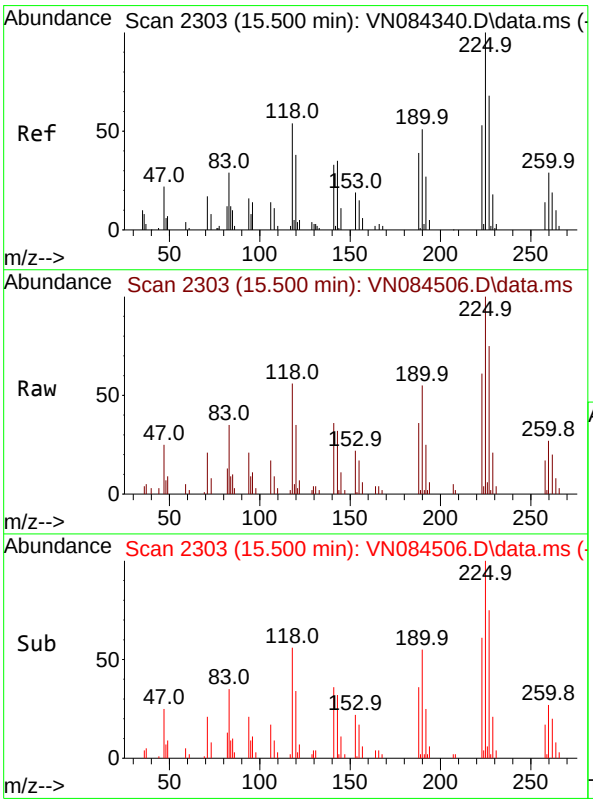
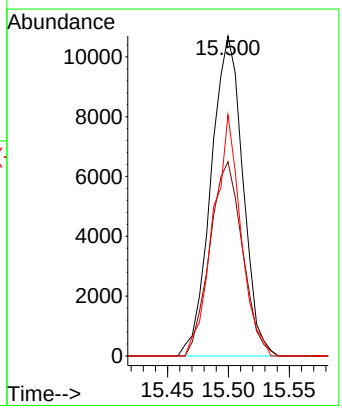
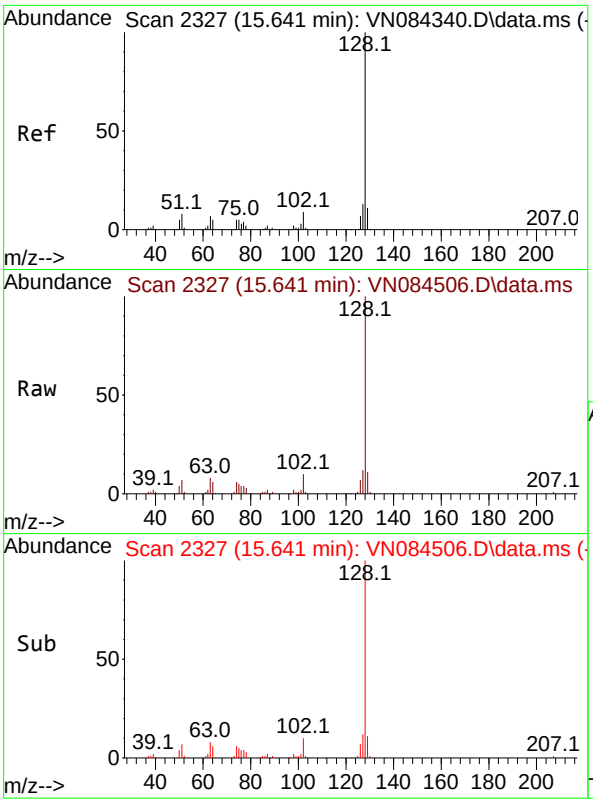


#90
Hexachlorobutadiene
Concen: 17.598 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:225 Resp: 19449

Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	124.0
227	65.6	0.0	130.8

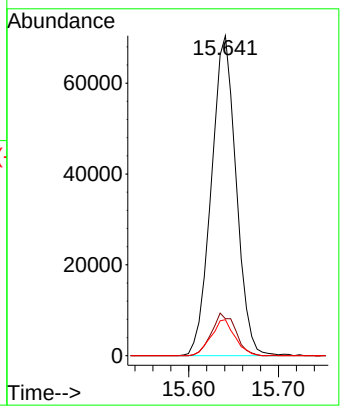




#91
Naphthalene
Concen: 16.711 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:128 Resp: 13528

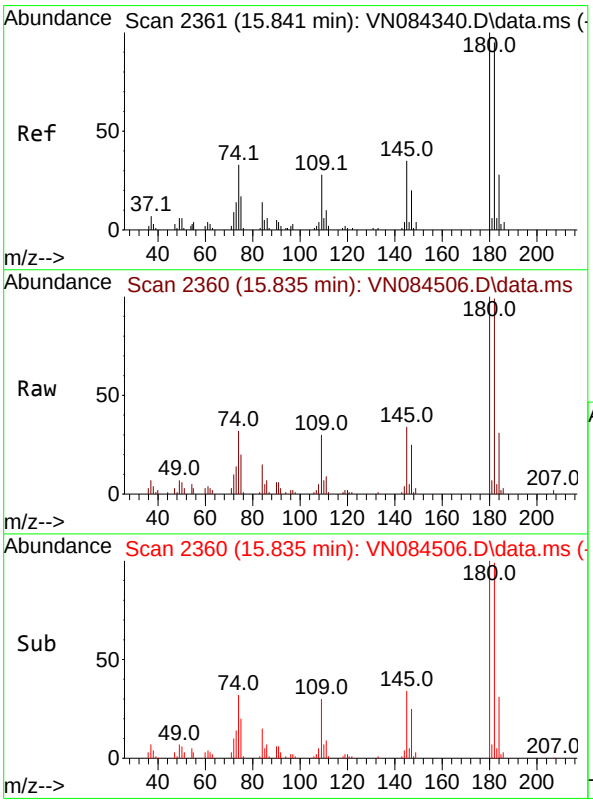
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Manual Integrations
APPROVED

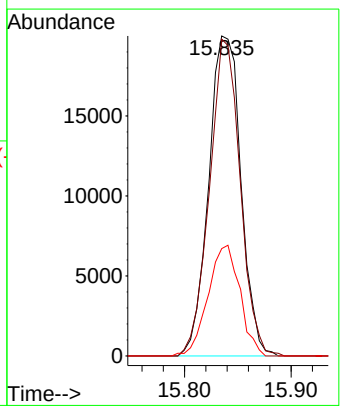
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024



#92
1,2,3-Trichlorobenzene
Concen: 17.602 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:180 Resp: 42050

Ion	Ratio	Lower	Upper
180	100		
182	94.1	0.0	194.4
145	34.2	0.0	72.2



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Manual Integration Report

Sequence:	vn100824	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VN084337.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:43:58 AM	MMDadoda	10/9/2024 8:55:19 PM	Peak Integrated by Software
VSTDICC100	VN084338.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:44:02 AM	MMDadoda	10/9/2024 8:55:22 PM	Peak Integrated by Software
VSTDICC050	VN084339.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:44:07 AM	MMDadoda	10/9/2024 8:55:25 PM	Peak Integrated by Software
VSTDICC050	VN084339.D	Methyl tert-Butyl Ether	JOHN	10/9/2024 9:44:07 AM	MMDadoda	10/9/2024 8:55:25 PM	Peak Integrated by Software
VSTDICCC020	VN084340.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:44:11 AM	MMDadoda	10/9/2024 8:55:28 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	1,1,1-Trichloroethane	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	Acrylonitrile	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	Diethyl Ether	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	Ethyl Acetate	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	Methacrylonitrile	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICC005	VN084341.D	Methylene Chloride	JOHN	10/9/2024 9:44:15 AM	MMDadoda	10/9/2024 8:55:31 PM	Peak Integrated by Software
VSTDICV020	VN084343.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:44:19 AM	MMDadoda	10/9/2024 8:55:36 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn100824	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV020	VN084343.D	Ethyl Acetate	JOHN	10/9/2024 9:44:19 AM	MMDadoda	10/9/2024 8:55:36 PM	Peak Integrated by Software
VSTDCCC020	VN084355.D	1,2,3-Trichloropropane	JOHN	10/9/2024 9:44:52 AM	MMDadoda	10/9/2024 8:55:52 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn102524	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084503.D	1,2,3-Trichloropropane	SAM	10/28/2024 9:56:55 AM	MMDadoda	10/28/2024 2:07:17 PM	Peak Integrated by Software
VSTDCCC050	VN084503.D	trans-1,4-Dichloro-2-but ene	SAM	10/28/2024 9:56:55 AM	MMDadoda	10/28/2024 2:07:17 PM	Peak Integrated by Software
VSTDCCC020	VN084504.D	1,2,3-Trichloropropane	SAM	10/28/2024 9:57:01 AM	MMDadoda	10/28/2024 2:07:20 PM	Peak Integrated by Software
VSTDCCC020	VN084504.D	Isopropyl Acetate	SAM	10/28/2024 9:57:01 AM	MMDadoda	10/28/2024 2:07:20 PM	Peak Integrated by Software
VN1025WBS01	VN084505.D	1,2,3-Trichloropropane	SAM	10/28/2024 11:04:43 AM	MMDadoda	10/28/2024 2:07:22 PM	Peak Integrated by Software
VN1025WBSD0 1	VN084506.D	1,2,3-Trichloropropane	SAM	10/28/2024 11:04:38 AM	MMDadoda	10/28/2024 2:07:24 PM	Peak Integrated by Software
VSTDCCC050	VN084526.D	1,2,3-Trichloropropane	SAM	10/28/2024 9:57:39 AM	MMDadoda	10/28/2024 2:07:32 PM	Peak Integrated by Software
VSTDCCC020	VN084527.D	1,2,3-Trichloropropane	SAM	10/28/2024 9:57:44 AM	MMDadoda	10/28/2024 2:07:34 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100824

Review By	John Carlone	Review On	10/9/2024 9:46:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2024 8:56:13 PM		
SubDirectory	VN100824	HP Acquire Method		HP Processing Method	624N100824W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130714
Initial Calibration Stds	VP130724,VP130725,VP130726,VP130727,VP130728
CCC	VP130715
Internal Standard/PEM	
ICV/I.BLK	VP130729
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084336.D	08 Oct 2024 09:08	JC\MD	Ok
2	VSTDICC150	VN084337.D	08 Oct 2024 09:43	JC\MD	Ok,M
3	VSTDICC100	VN084338.D	08 Oct 2024 10:07	JC\MD	Ok,M
4	VSTDICC050	VN084339.D	08 Oct 2024 10:31	JC\MD	Ok,M
5	VSTDICCC020	VN084340.D	08 Oct 2024 10:55	JC\MD	Ok,M
6	VSTDICC005	VN084341.D	08 Oct 2024 11:19	JC\MD	Ok,M
7	IBLK	VN084342.D	08 Oct 2024 11:43	JC\MD	Ok
8	VSTDICV020	VN084343.D	08 Oct 2024 12:09	JC\MD	Ok,M
9	VN1008WBS01	VN084344.D	08 Oct 2024 12:46	JC\MD	Ok,M
10	VN1008WBSD01	VN084345.D	08 Oct 2024 13:21	JC\MD	Ok,M
11	VN1008WBL01	VN084346.D	08 Oct 2024 13:45	JC\MD	Ok
12	P4271-01	VN084347.D	08 Oct 2024 14:11	JC\MD	Ok
13	P4334-01	VN084348.D	08 Oct 2024 14:53	JC\MD	Ok,M
14	P4334-02	VN084349.D	08 Oct 2024 15:17	JC\MD	Ok
15	P4337-01	VN084350.D	08 Oct 2024 15:41	JC\MD	Ok
16	P4337-02	VN084351.D	08 Oct 2024 16:05	JC\MD	Ok
17	P4289-01	VN084352.D	08 Oct 2024 16:29	JC\MD	Ok,M
18	IBLK	VN084353.D	08 Oct 2024 16:53	JC\MD	Ok,M
19	IBLK	VN084354.D	08 Oct 2024 17:16	JC\MD	Ok,M
20	VSTDCCC020	VN084355.D	08 Oct 2024 17:40	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102524

Review By	Mahesh Dadoda	Review On	10/28/2024 2:07:54 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2024 2:09:34 PM				
SubDirectory	VN102524	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131110,VP131122
Initial Calibration Stds	
CCC	VP131111,VP131112,VP131123,VP131124
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084502.D	25 Oct 2024 08:21	JC\MD	Ok
2	VSTDCCC050	VN084503.D	25 Oct 2024 08:59	JC\MD	Ok,M
3	VSTDCCC020	VN084504.D	25 Oct 2024 10:04	JC\MD	Ok,M
4	VN1025WBS01	VN084505.D	25 Oct 2024 10:40	JC\MD	Ok,M
5	VN1025WBSD01	VN084506.D	25 Oct 2024 11:04	JC\MD	Ok,M
6	VN1025WBL01	VN084507.D	25 Oct 2024 11:27	JC\MD	Ok
7	VN1025WBL02	VN084508.D	25 Oct 2024 11:51	JC\MD	Ok
8	VN1025WBS02	VN084509.D	25 Oct 2024 12:27	JC\MD	Ok,M
9	VN1025WBSD02	VN084510.D	25 Oct 2024 12:51	JC\MD	Ok,M
10	P4528-02	VN084511.D	25 Oct 2024 13:15	JC\MD	Ok,M
11	P4549-01	VN084512.D	25 Oct 2024 13:39	JC\MD	Ok
12	P4528-01	VN084513.D	25 Oct 2024 14:03	JC\MD	Ok
13	VIBLK	VN084514.D	25 Oct 2024 14:27	JC\MD	Ok
14	P4549-03	VN084515.D	25 Oct 2024 14:51	JC\MD	Ok
15	P4549-02	VN084516.D	25 Oct 2024 15:15	JC\MD	Ok
16	P4549-04	VN084517.D	25 Oct 2024 15:39	JC\MD	Ok
17	P4554-01	VN084518.D	25 Oct 2024 16:03	JC\MD	Ok,M
18	P4550-01	VN084519.D	25 Oct 2024 16:27	JC\MD	ReRun
19	P4528-02	VN084520.D	25 Oct 2024 16:50	JC\MD	Ok
20	P4528-01	VN084521.D	25 Oct 2024 17:14	JC\MD	ReRun
21	P4550-02	VN084522.D	25 Oct 2024 17:38	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102524

Review By	Mahesh Dadoda	Review On	10/28/2024 2:07:54 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2024 2:09:34 PM				
SubDirectory	VN102524	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131110,VP131122
Initial Calibration Stds	
CCC	VP131111,VP131112,VP131123,VP131124
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4550-03	VN084523.D	25 Oct 2024 18:02	JC\MD	Ok
23	P4550-04	VN084524.D	25 Oct 2024 18:26	JC\MD	Ok
24	P4550-05	VN084525.D	25 Oct 2024 18:49	JC\MD	ReRun
25	VSTDCCC050	VN084526.D	25 Oct 2024 19:13	JC\MD	Ok,M
26	VSTDCCC020	VN084527.D	25 Oct 2024 19:37	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100824

Review By	John Carlone	Review On	10/9/2024 9:46:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2024 8:56:13 PM		
SubDirectory	VN100824	HP Acquire Method		HP Processing Method	624N100824W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130714
Initial Calibration Stds	VP130724,VP130725,VP130726,VP130727,VP130728
CCC	VP130715
Internal Standard/PEM	
ICV/I.BLK	VP130729
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084336.D	08 Oct 2024 09:08		JC\MD	Ok
2	VSTDICC150	VSTDICC150	VN084337.D	08 Oct 2024 09:43	V13516	JC\MD	Ok,M
3	VSTDICC100	VSTDICC100	VN084338.D	08 Oct 2024 10:07		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN084339.D	08 Oct 2024 10:31		JC\MD	Ok,M
5	VSTDICCC020	VSTDICCC020	VN084340.D	08 Oct 2024 10:55		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084341.D	08 Oct 2024 11:19		JC\MD	Ok,M
7	IBLK	IBLK	VN084342.D	08 Oct 2024 11:43		JC\MD	Ok
8	VSTDICV020	ICVVN100824	VN084343.D	08 Oct 2024 12:09		JC\MD	Ok,M
9	VN1008WBS01	VN1008WBS01	VN084344.D	08 Oct 2024 12:46		JC\MD	Ok,M
10	VN1008WBSD01	VN1008WBSD01	VN084345.D	08 Oct 2024 13:21		JC\MD	Ok,M
11	VN1008WBL01	VN1008WBL01	VN084346.D	08 Oct 2024 13:45		JC\MD	Ok
12	P4271-01	14B-1	VN084347.D	08 Oct 2024 14:11	vial B pH#6.0	JC\MD	Ok
13	P4334-01	001-WILLETS-PT-BLVD	VN084348.D	08 Oct 2024 14:53	vial A pH<2	JC\MD	Ok,M
14	P4334-02	002-35TH-AVE(SEP)	VN084349.D	08 Oct 2024 15:17	vial A pH<2	JC\MD	Ok
15	P4337-01	001-WILLETS-PT-BLVD	VN084350.D	08 Oct 2024 15:41	vial A pH<2	JC\MD	Ok
16	P4337-02	002-35TH-AVE(OCT)	VN084351.D	08 Oct 2024 16:05	vial A pH<2	JC\MD	Ok
17	P4289-01	EFF-Waste Water	VN084352.D	08 Oct 2024 16:29	vial B pH<2	JC\MD	Ok,M
18	IBLK	IBLK	VN084353.D	08 Oct 2024 16:53		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100824

Review By	John Carlone	Review On	10/9/2024 9:46:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2024 8:56:13 PM		
SubDirectory	VN100824	HP Acquire Method		HP Processing Method	624N100824W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130714
Initial Calibration Stds	VP130724,VP130725,VP130726,VP130727,VP130728
CCC	VP130715
Internal Standard/PEM	
ICV/I.BLK	VP130729
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VN084354.D	08 Oct 2024 17:16		JC\MD	Ok,M
20	VSTDCCC020	VSTDCCC020EC	VN084355.D	08 Oct 2024 17:40		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102524

Review By	Mahesh Dadoda	Review On	10/28/2024 2:07:54 PM			
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2024 2:09:34 PM			
SubDirectory	VN102524	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131110,VP131122
Initial Calibration Stds	
CCC	VP131111,VP131112,VP131123,VP131124
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084502.D	25 Oct 2024 08:21		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084503.D	25 Oct 2024 08:59	CCC Failed for comp. #02	JC\MD	Ok,M
3	VSTDCCC020	VSTDCCC020	VN084504.D	25 Oct 2024 10:04		JC\MD	Ok,M
4	VN1025WBS01	VN1025WBS01	VN084505.D	25 Oct 2024 10:40		JC\MD	Ok,M
5	VN1025WBSD01	VN1025WBSD01	VN084506.D	25 Oct 2024 11:04		JC\MD	Ok,M
6	VN1025WBL01	VN1025WBL01	VN084507.D	25 Oct 2024 11:27		JC\MD	Ok
7	VN1025WBL02	VN1025WBL02	VN084508.D	25 Oct 2024 11:51	8260	JC\MD	Ok
8	VN1025WBS02	VN1025WBS02	VN084509.D	25 Oct 2024 12:27	8260	JC\MD	Ok,M
9	VN1025WBSD02	VN1025WBSD02	VN084510.D	25 Oct 2024 12:51	8260	JC\MD	Ok,M
10	P4528-02	241023062-05-TRIP-BL	VN084511.D	25 Oct 2024 13:15	pH#5.0 B TB	JC\MD	Ok,M
11	P4549-01	TT-TB-20241024	VN084512.D	25 Oct 2024 13:39	pH#<2 A TB	JC\MD	Ok
12	P4528-01	241023062-02-VOA	VN084513.D	25 Oct 2024 14:03	pH#7.0 B	JC\MD	Ok
13	VIBLK	VIBLK	VN084514.D	25 Oct 2024 14:27		JC\MD	Ok
14	P4549-03	TT-068-IDWGW-20241	VN084515.D	25 Oct 2024 14:51	bad matrix no straight run	JC\MD	Ok
15	P4549-02	TT-067-IDWGW-20241	VN084516.D	25 Oct 2024 15:15	bad matrix no straight run	JC\MD	Ok
16	P4549-04	TT-069-IDWGW-20241	VN084517.D	25 Oct 2024 15:39	bad matrix no straight run	JC\MD	Ok
17	P4554-01	001-WILLETS-BLVD(SE	VN084518.D	25 Oct 2024 16:03	pH#2.0 A	JC\MD	Ok,M
18	P4550-01	BP-VPB-190-TB-20241	VN084519.D	25 Oct 2024 16:27	pH#2.0 A TB;Surrogate fail	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102524

Review By	Mahesh Dadoda	Review On	10/28/2024 2:07:54 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2024 2:09:34 PM		
SubDirectory	VN102524	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131110,VP131122
Initial Calibration Stds	
CCC	VP131111,VP131112,VP131123,VP131124
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4528-02	241023062-05-TRIP-BL	VN084520.D	25 Oct 2024 16:50	pH#5.0 A TB;CCC Failed for comp. #02,no sample to rerun confirmation.no hit on the sample.	JC\MD	Ok
20	P4528-01	241023062-02-VOA	VN084521.D	25 Oct 2024 17:14	pH#7.0 A CCC Failed for comp. #02	JC\MD	ReRun
21	P4550-02	VPB190-HYD-2024102	VN084522.D	25 Oct 2024 17:38	pH#2.0 A Surrogate fail	JC\MD	ReRun
22	P4550-03	BP-VPB-190-EB-20241	VN084523.D	25 Oct 2024 18:02	pH#2.0 A EB	JC\MD	Ok
23	P4550-04	BP-VPB-190-GW-298-3	VN084524.D	25 Oct 2024 18:26	pH#2.0 A	JC\MD	Ok
24	P4550-05	BP-VPB-190-GW-318-3	VN084525.D	25 Oct 2024 18:49	pH#2.0 A Surrogate fail	JC\MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VN084526.D	25 Oct 2024 19:13		JC\MD	Ok,M
26	VSTDCCC020	VSTDCCC020EC	VN084527.D	25 Oct 2024 19:37		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P4549

Test : VOCMS Group4

Prepbatch ID :

Sequence ID/Qc Batch ID: vn102524,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130314,VP130430,VP130836,VP130994,VP131110,VP131111,VP131112,VP131122,VP131123,VP131124,

Chemical ID :
V12560,V12666,V12794,V12798,V13390,V13444,V13462,V13463,V13707,V13804,V13806,V14018,V14019,V14108,V14145,V14147,V14148,V14152,V14171,V14172,V14212,V14215,V14217,V14288,V14436,V14443,V14546,V14547,V14548,W3112,

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP128298	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 ml

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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
257	8260 Calibration Working STD Mix-First source, 160PPM	VP130314	09/16/2024	10/26/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/18/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13804 + 1.00000ml of V13806 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14217 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14212 + 1.50000ml of V14215 + 10.60000ml of V14145 + 2.00000ml of V14108 = Final Quantity: 25.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP130836	10/14/2024	11/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/16/2024

FROM 1.00000ml of V14548 + 1.50000ml of V14546 + 1.50000ml of V14547 + 21.00000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
466	624 Internal Standard and Surrogate Mix, 150PPM	VP130994	10/21/2024	12/31/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/28/2024

FROM 0.15000ml of V12560 + 0.15000ml of V12666 + 24.70000ml 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
589	BFB TUNE CHECK	VP131110	10/25/2024	10/26/2024	Amit Patel	None	None	Mahesh Dadoda 10/29/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = 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	VP131111	10/25/2024	10/26/2024	Amit Patel	None	None	Mahesh Dadoda 10/29/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130314 + 0.01250ml of VP130836 = 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	VP131112	10/25/2024	10/26/2024	Amit Patel	None	None	Mahesh Dadoda 10/29/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130314 + 0.01250ml of VP130836 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131122	10/25/2024	10/26/2024	Amit Patel	None	None	Mahesh Dadoda 10/29/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = 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
645	20 PPB CCC, 624	VP131123	10/25/2024	10/26/2024	Amit Patel	None	None	Mahesh Dadoda 10/29/2024

FROM 39.97000ml of W3112 + 0.00500ml of VP128762 + 0.00500ml of VP130314 + 0.00500ml of VP130836 + 0.00800ml of VP130994 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
645	20 PPB CCC, 624	VP131124	10/25/2024	10/26/2024	Amit Patel	None	None	Mahesh Dadoda 10/29/2024

FROM 39.97000ml of W3112 + 0.00500ml of VP128762 + 0.00500ml of VP130314 + 0.00500ml of VP130836 + 0.00800ml of VP130994 = 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 #
Restek	555584 / Custom Standard, CLP VOA SurrogateStd [CS 5179-4]	A0179624	12/31/2024	10/21/2024 / SAM	01/04/2022 / SAM	V12560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555583 / Custom Standard, CLP VOA Internal Std [CS 5179-3]	A0181978	02/28/2025	10/21/2024 / SAM	02/22/2022 / SAM	V12666

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	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

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	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

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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	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

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	V13804

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	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

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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.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

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	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

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	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

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

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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.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

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	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

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	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14212

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	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

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	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14217

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	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

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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	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

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	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14548

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 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

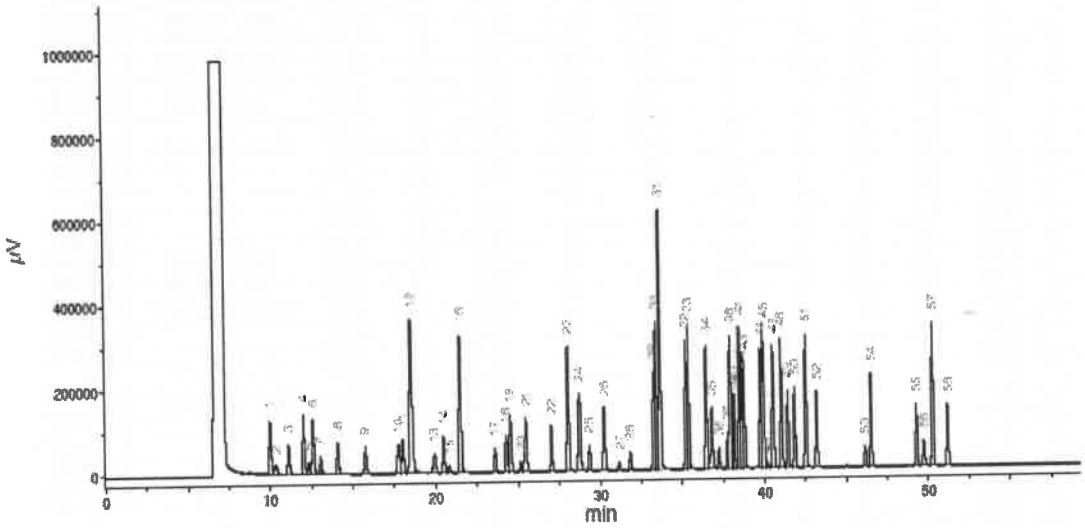
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	SHBK0879	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	40010.6	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	40003.8	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

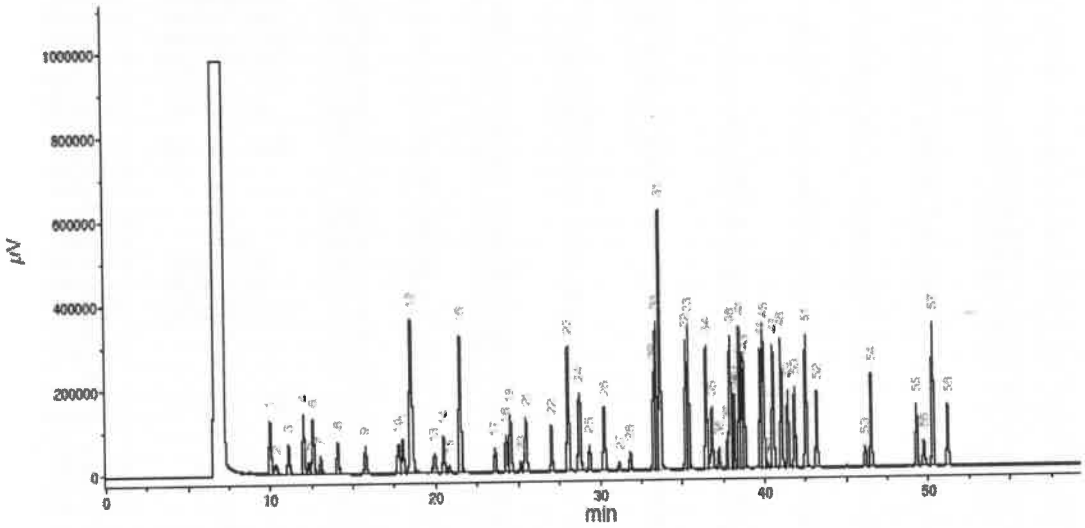
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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

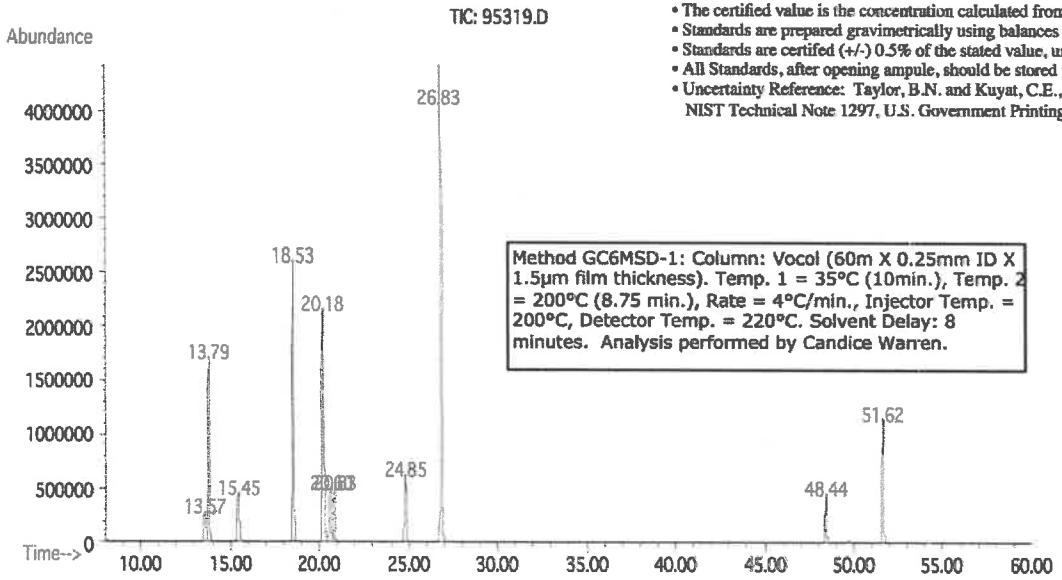
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

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

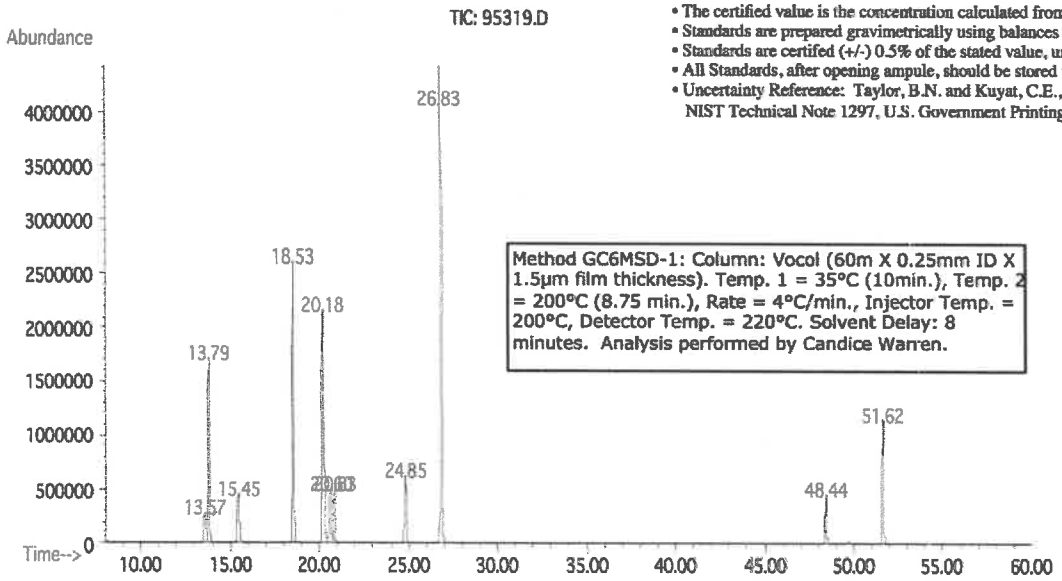
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

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

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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.

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

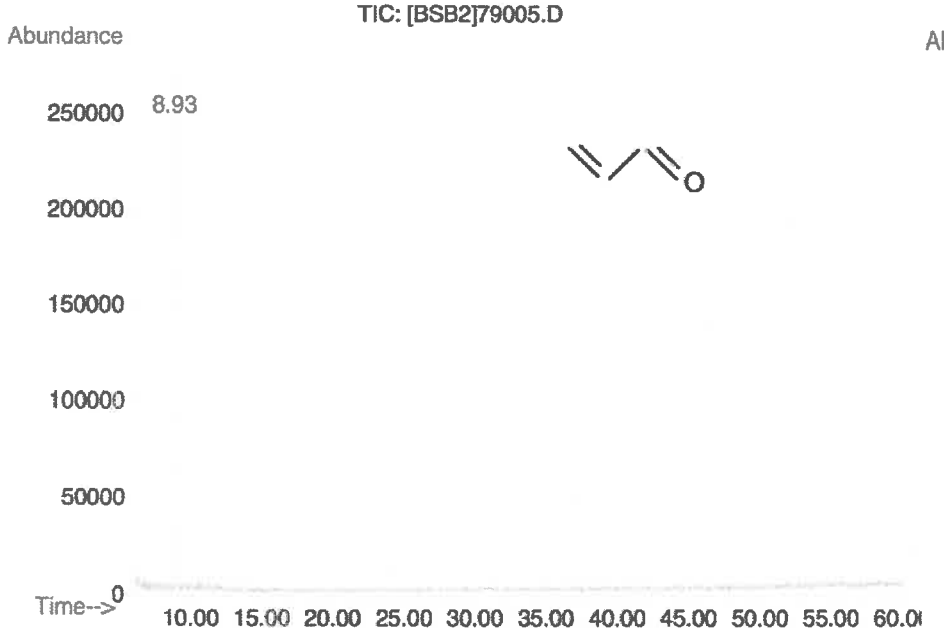
Solvent(s): **Lot#**
Water 072324Q

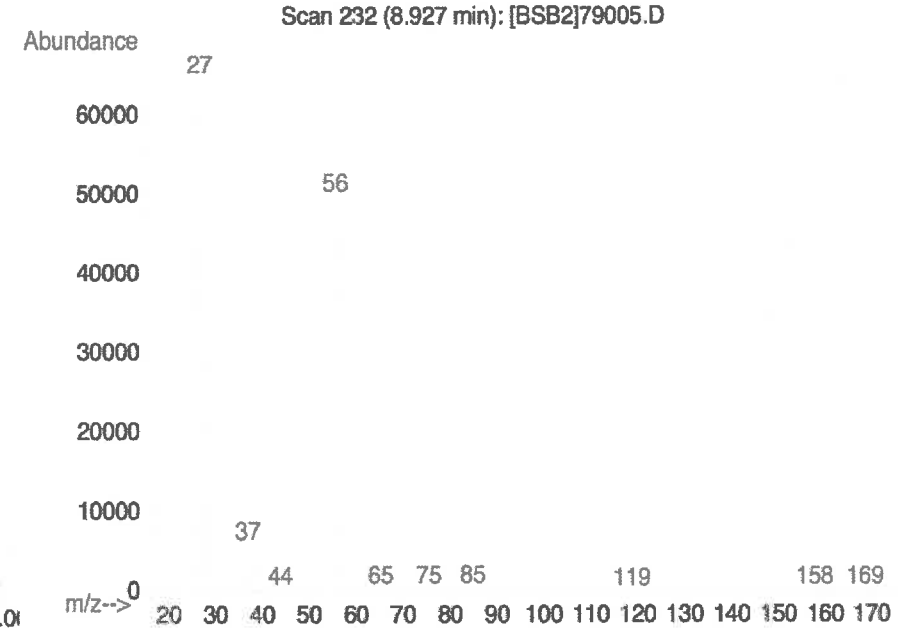
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 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. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	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 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).

Absolute Standards Inc.

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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.

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: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

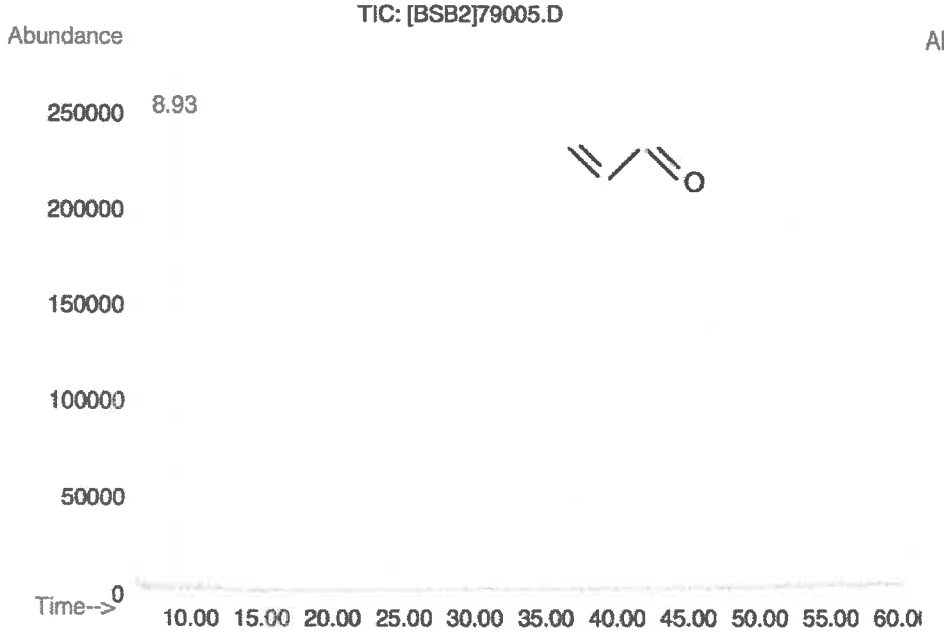
Solvent(s): **Lot#**
Water 072324Q

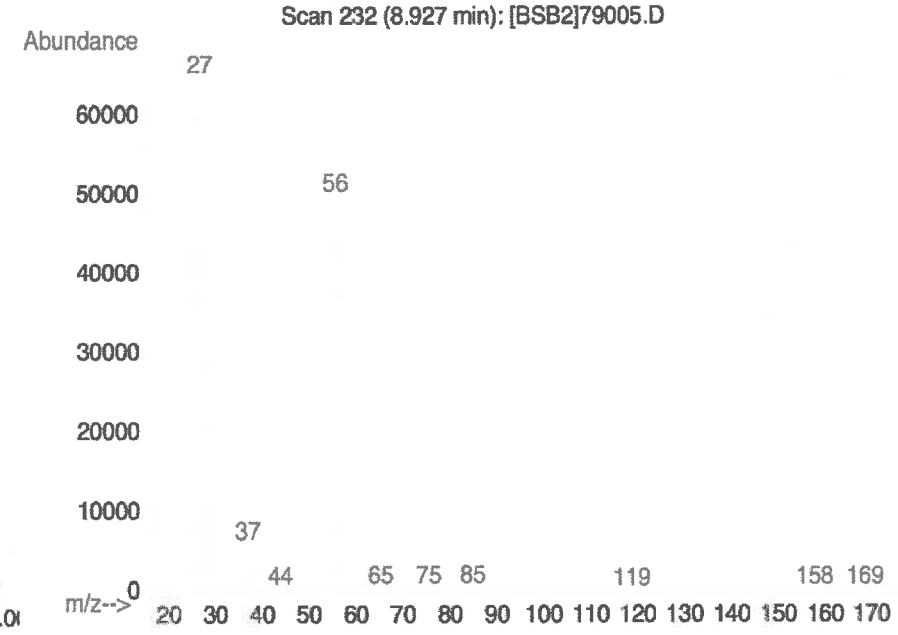
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 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. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	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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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: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

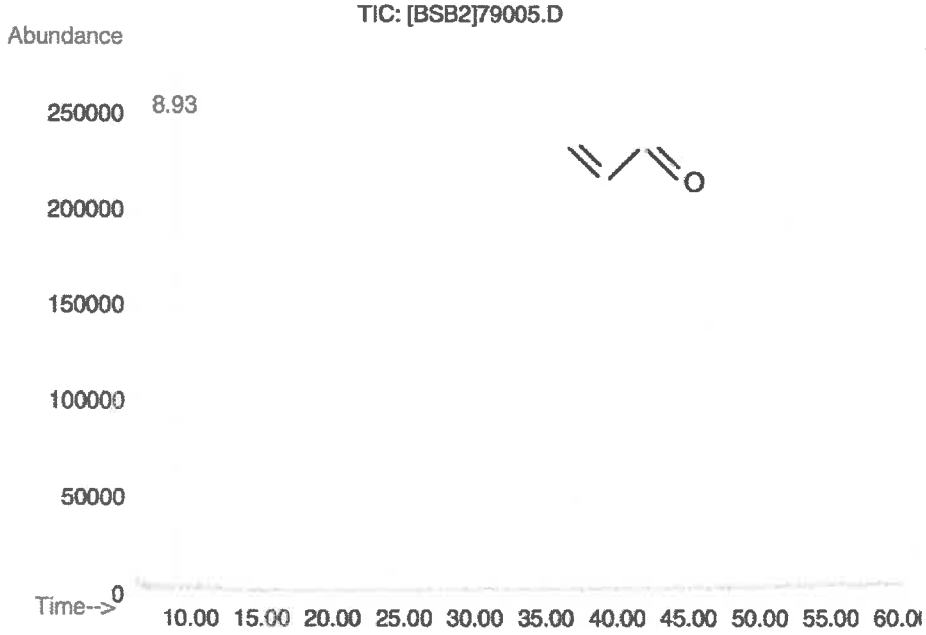
Solvent(s): **Lot#**
Water 072324Q

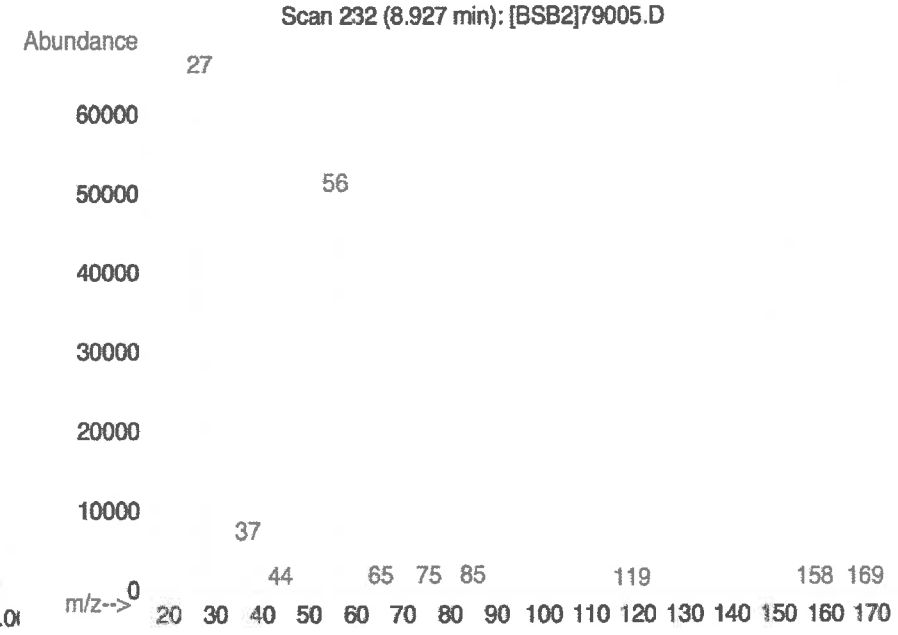
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

	100724
Formulated By: Lawrence Barry	DATE
	100724
Reviewed By: Pedro L. Rentas	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. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	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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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.
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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

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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

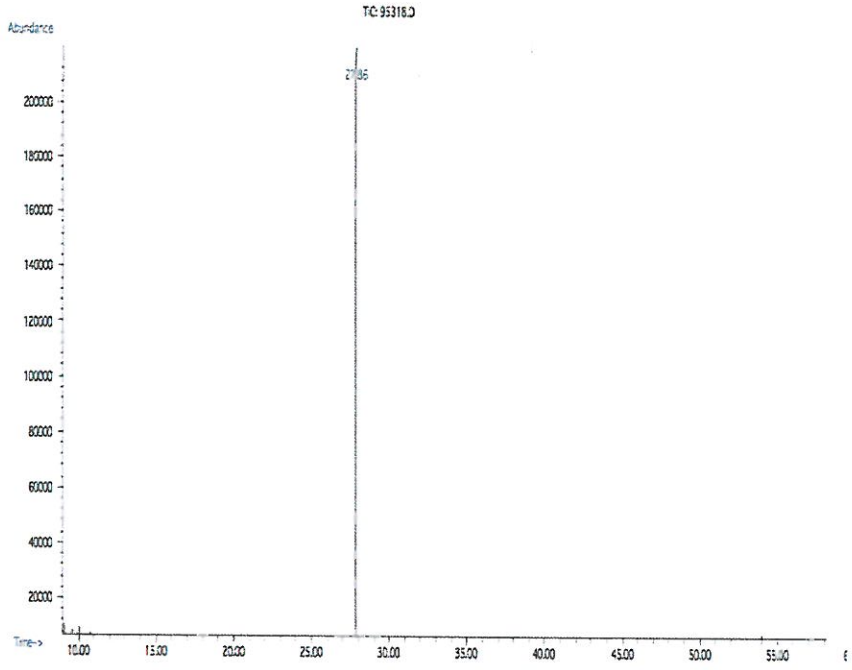
Solvent(s):	Lot#
Methanol	EA899-US

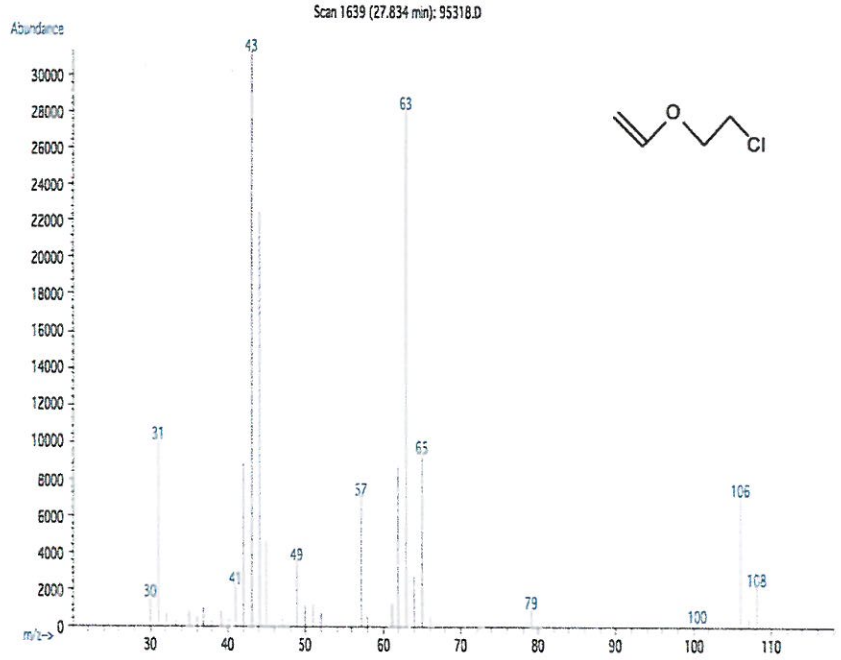
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

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.





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CERTIFIED WEIGHT REPORT

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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

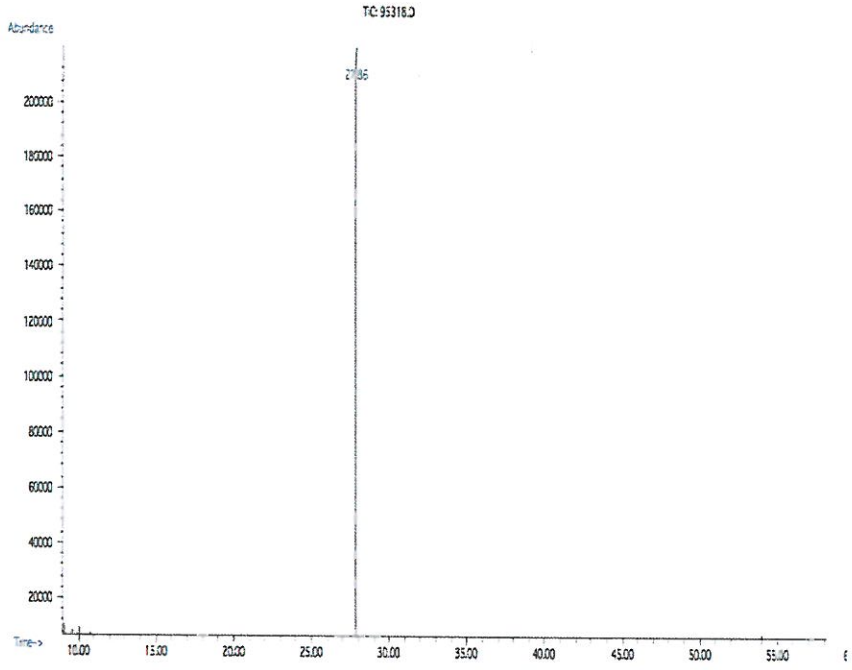
Solvent(s):	Lot#
Methanol	EA899-US

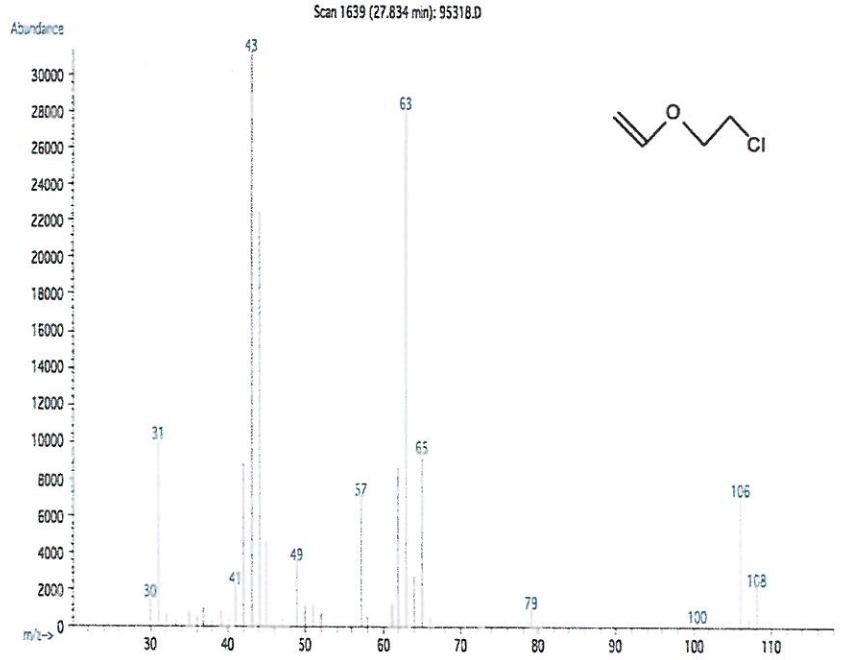
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

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.





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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. : 555583 **Lot No.:** A0181978

Description : Custom CLP VOA Internal Standard Mix

Custom CLP VOA Internal Standard Mix 25,000µg/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

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Difluorobenzene **CAS #** 540-36-3 (Lot MKBN8571V) **Purity** 99%	25,032.0 µg/mL	+/- 231.6508 µg/mL +/- 1,415.0433 µg/mL +/- 1,447.6224 µg/mL	Gravimetric Unstressed Stressed
2	Bromochloromethane **CAS #** 74-97-5 (Lot 00008541) **Purity** 99%	25,036.0 µg/mL	+/- 231.6879 µg/mL +/- 1,415.2694 µg/mL +/- 1,447.8538 µg/mL	Gravimetric Unstressed Stressed
3	Chlorobenzene-d5 **CAS #** 3114-55-4 (Lot PR-29571) **Purity** 99%	25,104.0 µg/mL	+/- 232.3171 µg/mL +/- 1,419.1134 µg/mL +/- 1,451.7863 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 17-Feb-2022 **Balance:** B707717271

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.

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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. : 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)

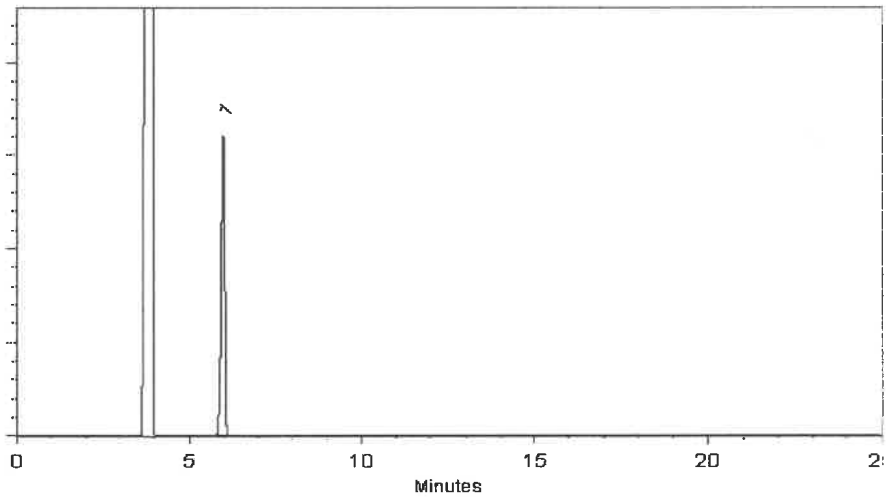
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

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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. : 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.)

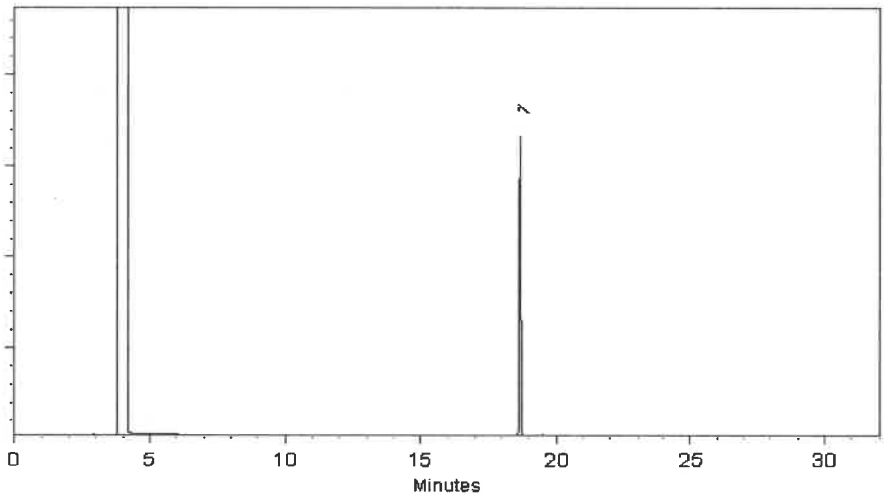
Inj. Temp:
200°C

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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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.)

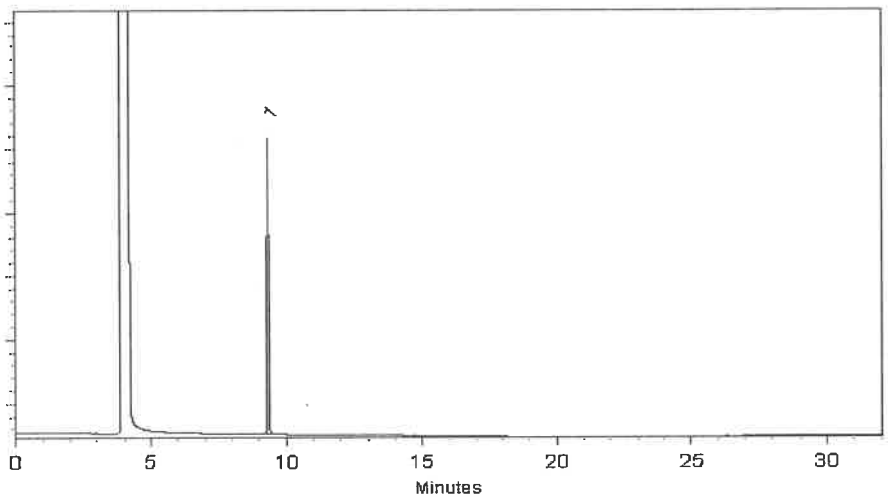
Inj. Temp:
200°C

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.)

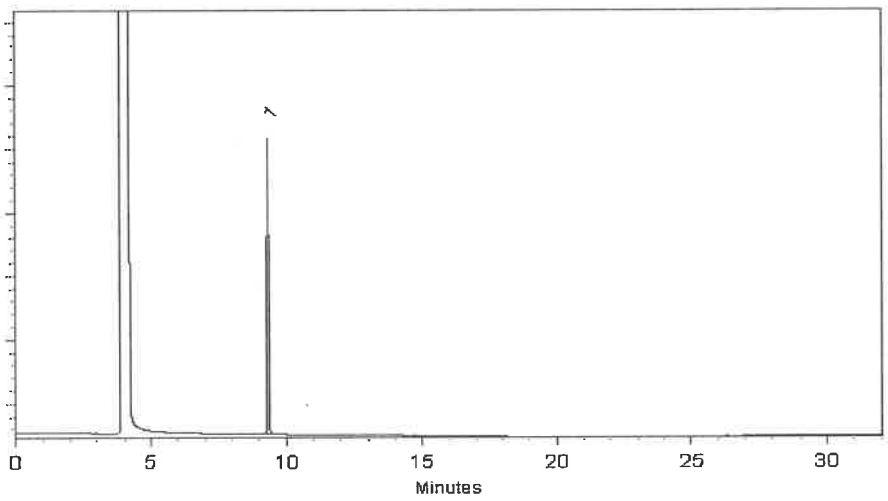
Inj. Temp:
200°C

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:

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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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- 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. : 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.

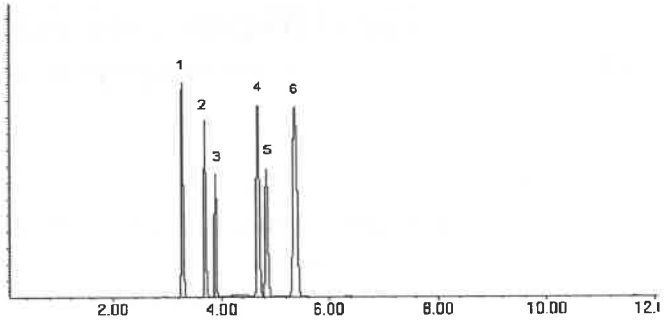
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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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.
- 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. : 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.

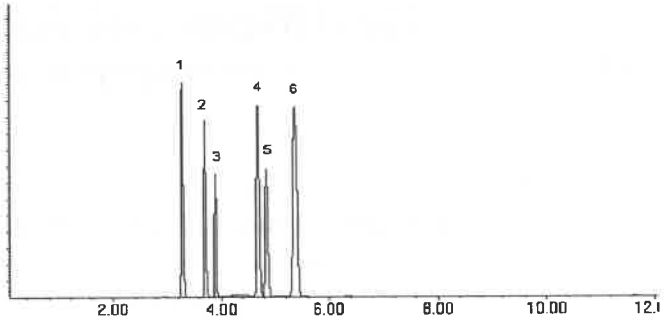
Inj. Temp:
200°C

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:

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- 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.)

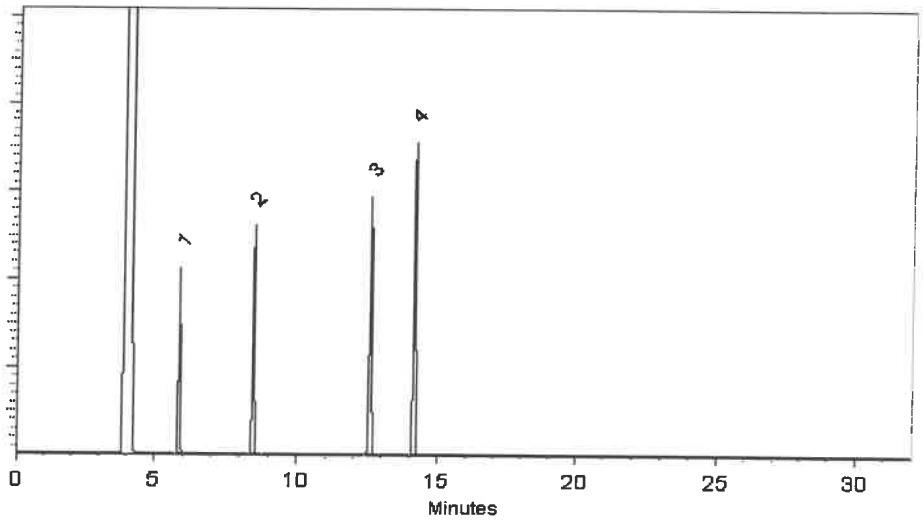
Inj. Temp:
200°C

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:

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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.

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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.)

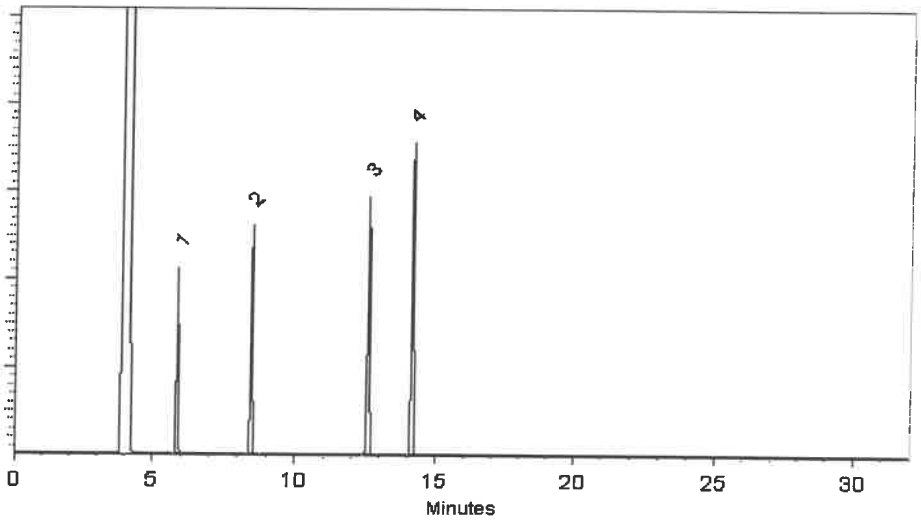
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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:

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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.)

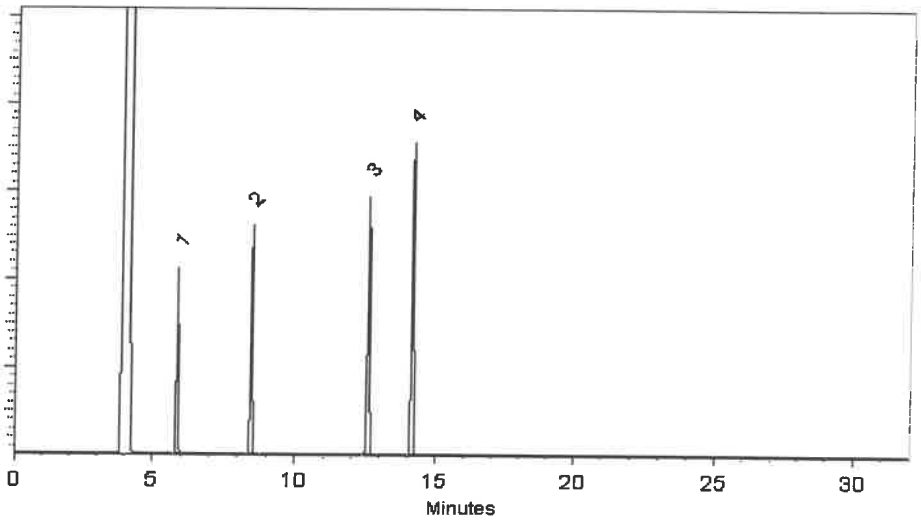
Inj. Temp:
200°C

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:

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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. : 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.)

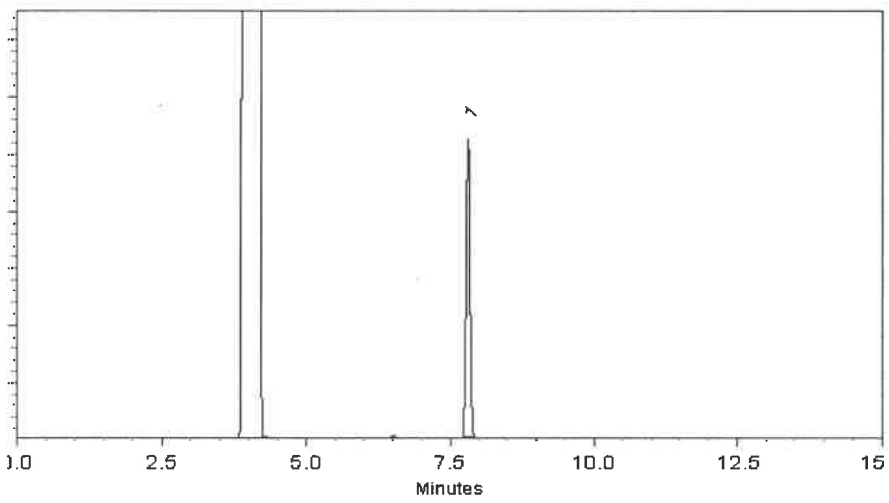
Inj. Temp:
200°C

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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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. : 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.)

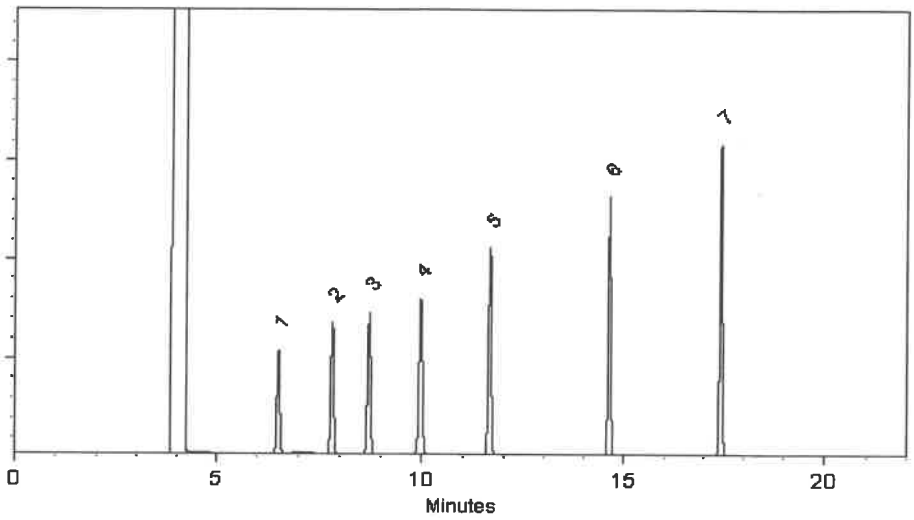
Inj. Temp:
200°C

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.
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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. : 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.)

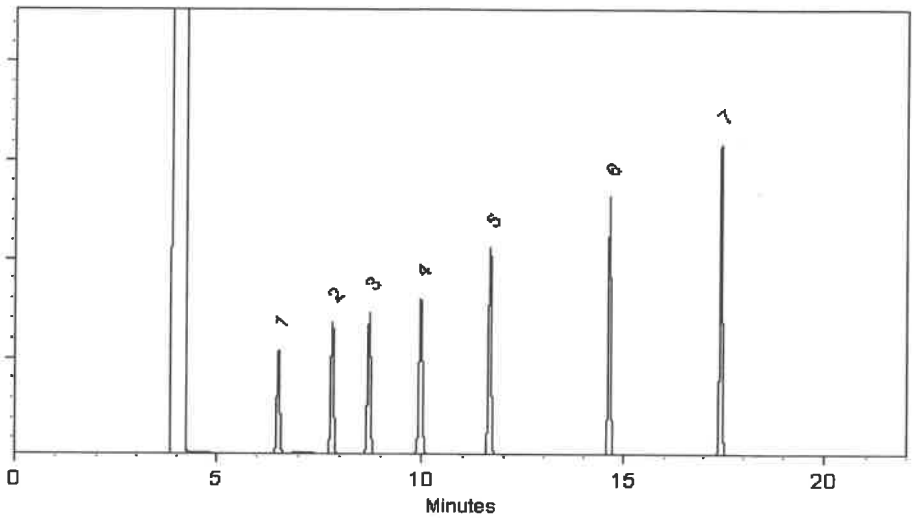
Inj. Temp:
200°C

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:

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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:

- 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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gravimetric

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Certificate #3222.01

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

REVIEWED

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

Gravimetric Certificate

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ilac-MRA

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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. : 555584 **Lot No.:** A0179624

Description : Custom CLP VOA Surrogate Standard Mix

Custom CLP VOA Surrogate Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-29377) **Purity** 99%	25,032.0 µg/mL	+/- 231.6508 µg/mL +/- 1,415.0433 µg/mL +/- 1,447.6224 µg/mL	Gravimetric Unstressed Stressed
2	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KO) **Purity** 99%	25,072.0 µg/mL	+/- 232.0210 µg/mL +/- 1,417.3044 µg/mL +/- 1,449.9357 µg/mL	Gravimetric Unstressed Stressed
3	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-31958) **Purity** 99%	25,024.0 µg/mL	+/- 231.5768 µg/mL +/- 1,414.5910 µg/mL +/- 1,447.1598 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Cathleen Soltis
Cathleen Soltis - Mix Technician

Date Mixed: 16-Dec-2021 **Balance:** B251644995

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.
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- 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.

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Flammable liquids, n.o.s (Methanol, Toluene-d8)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II
International:	
IATA Proper Shipping Name:	Flammable liquids, n.o.s (Methanol, Toluene-d8)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
1-Bromo-4-fluorobenzene (BFB)	460-00-4	-	-	-	X
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Devolop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
P&T Methanol	67-56-1	X	X	X	X
1-Bromo-4-	460-00-4	-	-	-	-

fluorobenzene (BFB)					
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 01/05/17

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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Material No.: 9077-02
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500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

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Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P4549

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Ln, Suite 300	PROJECT #: 112G08005-WE13 LOCATION: GW IDW	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie,wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX:_____48hr_____ DAYS*
HARD COPY:_____48hr_____DAYS*
EDD_____48hr_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ RESULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ EDD Format_____
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other_____

ANALYSIS

1	2	3	4	5	6	7	8	9
VOC's (EPA 624)	pH	Total Metals	PCB's (EPA 8082)					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A		B							<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	TT-TB-20241024	QA		X	10/24/24	10:00	2	2									Trip Blank
2.	TT-067-IDWGW-20241024	AQ		X	10/24/24	14:00	5	2	1	1	1						
3.	TT-068-IDWGW-20241024	AQ		X	10/24/24	14:05	5	2	1	1	1						
4.	TT-069-IDWGW-20241024	AQ		X	10/24/24	14:10	5	2	1	1	1						
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1.	DATE/TIME 10/24/24 15:00	RECEIVED BY 1. 15:30 10.24.24
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME 1905 10-24-2024	RECEIVED FOR LAB BY

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 3.0°C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?: yes
Comments:
48hr TAT - CTO-WE13 Drilling GW IDW Sampling - Frac Tank #3291 (TT-050)

Page 1 of 1

SHIPPED VIA: CLIENT: ❑ Hand Delivered ❑ Overnight
CHEMTECH: ❑ Picked Up ❑ Overnight

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4549 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 10/24/2024 4:00:00 PM
Project Name : CTO WE13
Receive DateTime : 10/24/2024 ~~12:00:00~~ 19:05 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4549-01	TT-TB-20241024	Water	10/24/2024	10:00					
					VOCMS Group4		624.1		2 Bus. Days
P4549-02	TT-067-IDWGW-20241024	Water	10/24/2024	14:00					
					VOCMS Group4		624.1		2 Bus. Days
P4549-03	TT-068-IDWGW-20241024	Water	10/24/2024	14:05					
					VOCMS Group4		624.1		2 Bus. Days
P4549-04	TT-069-IDWGW-20241024	Water	10/24/2024	14:10					
					VOCMS Group4		624.1		2 Bus. Days

Relinguished By :
Date / Time : 10/25/24 0900

Received By :
Date / Time : 10/25/24 0900 Rgt 5

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084337.D
Acq On : 08 Oct 2024 09:43
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Oct 09 02:05:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	33784	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	181536	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	171821	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	80830	29.718	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.067%			
60) 4-Bromofluorobenzene	12.847	95	88349	31.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.867%			
63) Toluene-d8	10.565	98	240116	30.166	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	301403	146.123	ug/l	96
3) Chloromethane	2.359	50	349225	148.780	ug/l	99
4) Vinyl Chloride	2.512	62	340879	148.089	ug/l	97
5) Bromomethane	2.924	94	208863	136.955	ug/l	99
6) Chloroethane	3.100	64	213547	141.510	ug/l	95
7) Trichlorofluoromethane	3.489	101	546712	145.812	ug/l	99
8) Diethyl Ether	3.959	74	206608	149.881	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	314320	149.095	ug/l	98
10) 1,1-Dichloroethene	4.330	96	309616	147.186	ug/l	92
11) Methyl Iodide	4.583	142	422778	152.937	ug/l	99
12) Methyl Acetate	5.018	43	402489	152.836	ug/l	99
13) Acrolein	4.177	56	371221	758.829	ug/l	100
14) Acrylonitrile	5.718	53	902986	763.216	ug/l	99
15) Acetone	4.424	58	277575	821.289	ug/l	95
16) Carbon Disulfide	4.706	76	909776	145.236	ug/l	100
17) Allyl chloride	5.018	41	511759	150.078	ug/l	95
18) Methylene Chloride	5.271	84	349106	147.322	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	329107	147.827	ug/l	97
20) Diisopropyl ether	6.671	45	1114091	151.956	ug/l	96
21) 1,1-Dichloroethane	6.571	63	620566	147.512	ug/l	97
22) cis-1,2-Dichloroethene	7.482	96	392124	151.363	ug/l	98
23) tert-Butyl Alcohol	5.524	59	333149	734.096	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	1068810	152.038	ug/l #	85
25) Chloroform	7.965	83	634973	149.030	ug/l	99
26) Cyclohexane	8.253	56	539286	153.272	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	461334	154.807	ug/l	100
30) 2-Butanone	7.482	43	1249418	787.459	ug/l	99
31) 2,2-Dichloropropane	7.488	77	549477	156.907	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	571549	150.045	ug/l	99
33) Carbon Tetrachloride	8.359	117	504637	152.921	ug/l	97
34) Benzene	8.606	78	1425580	152.821	ug/l	96
35) Methacrylonitrile	7.777	41	279509	165.128	ug/l	99
36) 1,2-Dichloroethane	8.671	62	471651	151.686	ug/l	100
37) Trichloroethene	9.353	130	324930	151.266	ug/l	95
38) Methylcyclohexane	9.600	83	538684	164.564	ug/l	99
39) 1,2-Dichloropropane	9.618	63	348207	153.071	ug/l	97
40) Dibromomethane	9.706	93	243118	152.917	ug/l	98
41) Bromodichloromethane	9.888	83	515968	152.872	ug/l	94
42) Vinyl Acetate	6.600	43	4357419	789.646	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084337.D
Acq On : 08 Oct 2024 09:43
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Oct 09 02:05:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

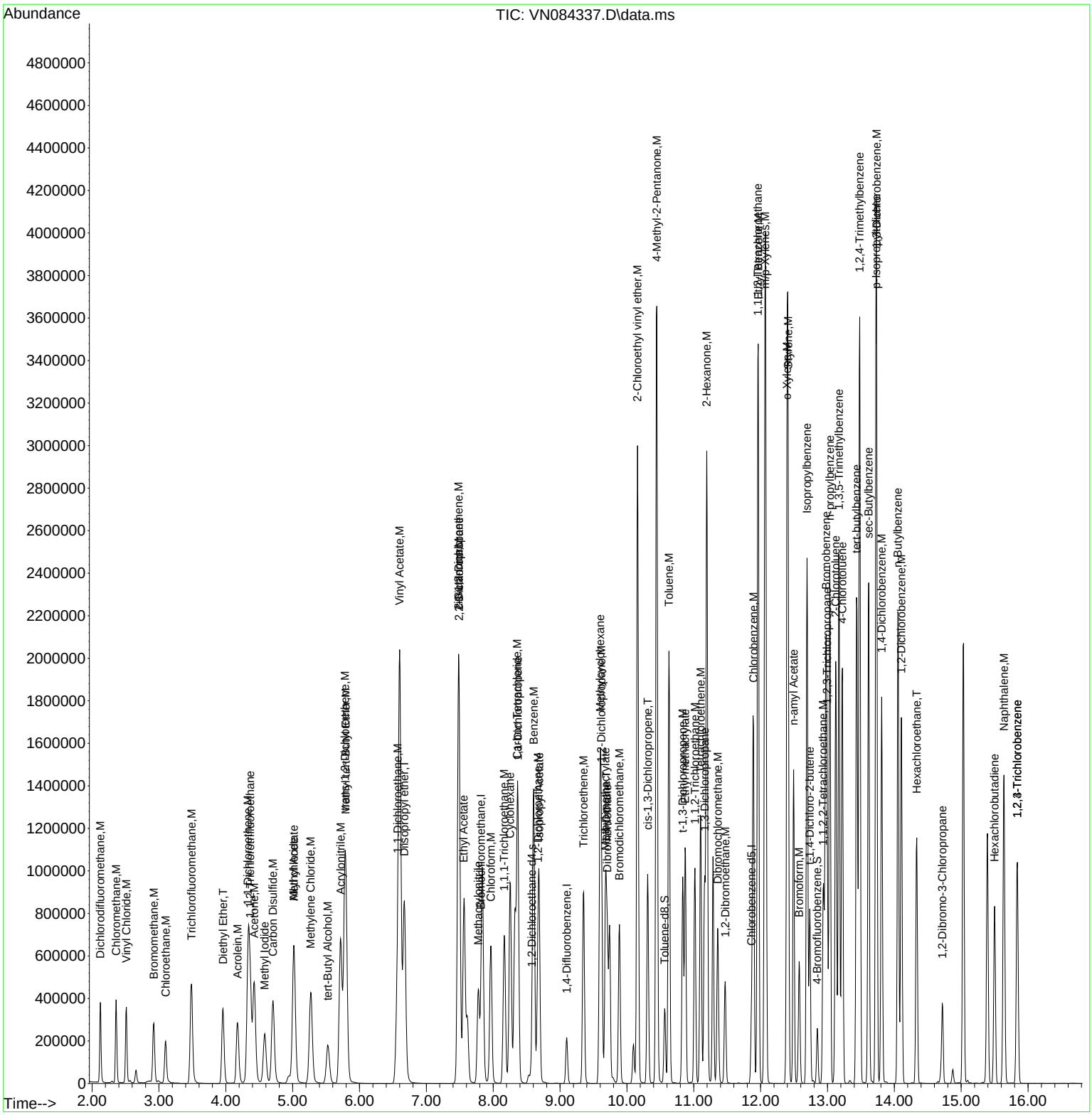
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	484255	154.753	ug/l	100
44) Isopropyl Acetate	8.688	43	808933	157.943	ug/l	99
45) 1,4-Dioxane	9.694	88	147762	3200.393	ug/l	98
46) Methyl methacrylate	9.676	41	391545	158.224	ug/l	100
47) n-amyl Acetate	12.494	43	752246	165.124	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	547316	156.926	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	578523	158.273	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	323065	151.179	ug/l	96
51) Ethyl methacrylate	10.870	69	581930	164.863	ug/l	95
52) 1,3-Dichloropropane	11.165	76	568999	152.279	ug/l	99
53) Dibromochloromethane	11.359	129	390970	154.875	ug/l	100
54) 1,2-Dibromoethane	11.470	107	336624	153.033	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	1333727	833.093	ug/l	99
56) Bromoform	12.576	173	268044	160.094	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	2491181	778.311	ug/l	99
59) 2-Hexanone	11.194	43	1891152	795.133	ug/l	99
61) Tetrachloroethene	11.106	164	290573	149.507	ug/l	97
62) Toluene	10.629	91	1525116	151.621	ug/l	99
64) Chlorobenzene	11.894	112	946501	151.211	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	331211	152.311	ug/l	99
66) Ethyl Benzene	11.964	91	1749567	160.094	ug/l	99
67) m/p-Xylenes	12.070	106	1319448	318.270	ug/l	100
68) o-Xylene	12.394	106	633813	158.611	ug/l	99
69) Styrene	12.412	104	1107376	161.432	ug/l	99
70) Isopropylbenzene	12.694	105	1625283	159.320	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	483003	153.053	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	662180	245.343	ug/l	51
73) Bromobenzene	12.982	156	383306	155.148	ug/l	100
74) n-propylbenzene	13.035	91	1966655	161.778	ug/l	99
75) 2-Chlorotoluene	13.123	91	1199693	158.816	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1386742	161.447	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	193413	167.468	ug/l	98
78) 4-Chlorotoluene	13.223	91	1227049	159.769	ug/l	100
79) tert-butylbenzene	13.435	119	1182498	161.368	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	1410559	161.849	ug/l	100
81) sec-Butylbenzene	13.617	105	1643555	162.908	ug/l	99
82) p-Isopropyltoluene	13.729	119	1409541	165.992	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	731253	159.183	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	723724	158.652	ug/l	99
85) n-Butylbenzene	14.053	91	1274832	173.335	ug/l	98
86) Hexachloroethane	14.335	117	259393	158.553	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	696639	156.847	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	102940	159.510	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	374861	162.329	ug/l	99
90) Hexachlorobutadiene	15.500	225	157242	147.184	ug/l	97
91) Naphthalene	15.641	128	1334733	170.565	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	374861	162.329	ug/l	99

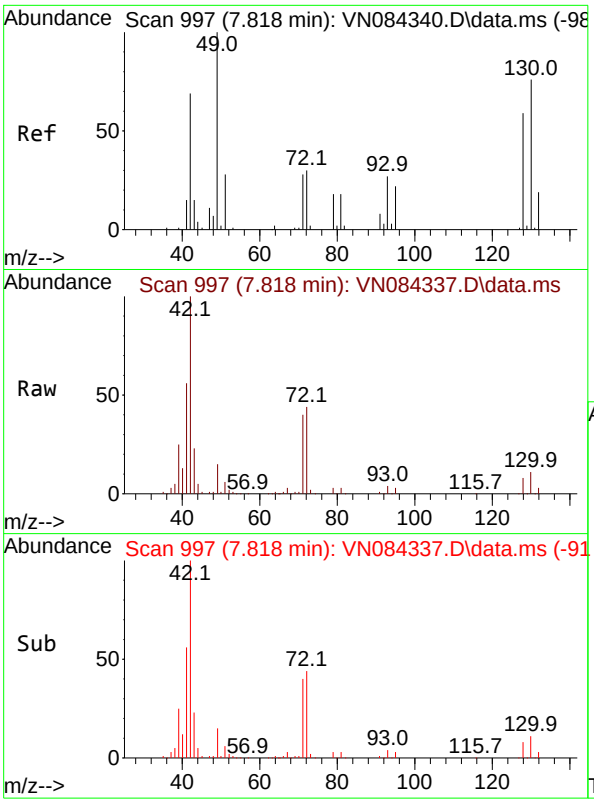
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084337.D
Acq On : 08 Oct 2024 09:43
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Oct 09 02:05:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration



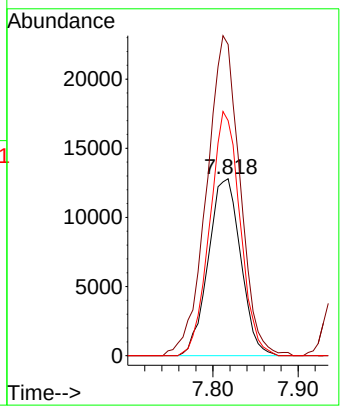


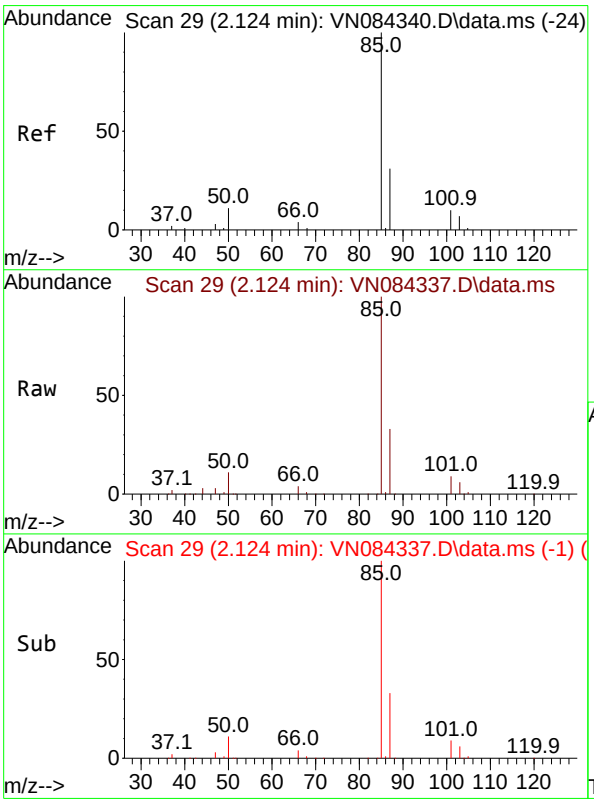
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 33784

Ion	Ratio	Lower	Upper
128	100		
49	185.9	0.0	430.0
130	129.4	0.0	329.8

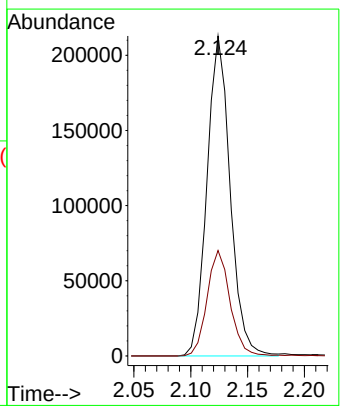


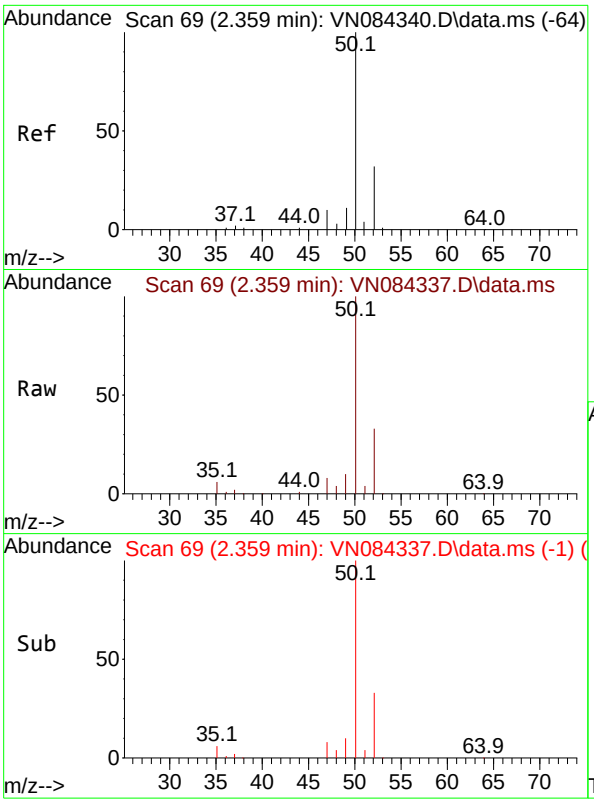


#2
Dichlorodifluoromethane
Concen: 146.123 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 85 Resp: 301403

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4



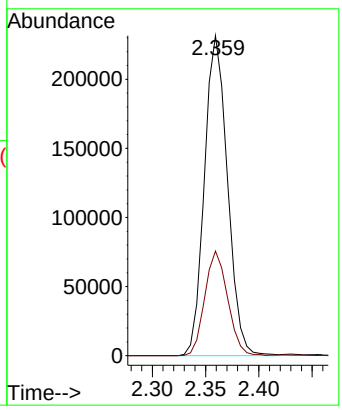


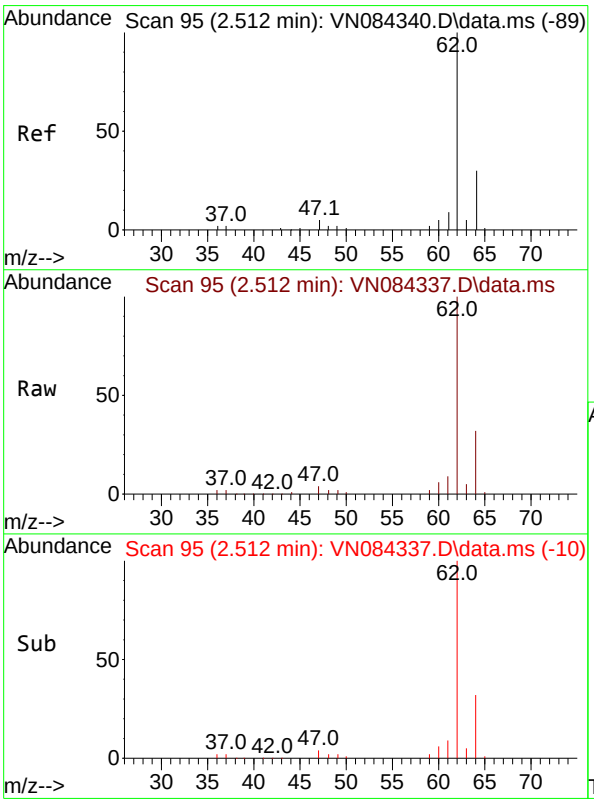
#3
Chloromethane
Concen: 148.780 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 349225

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.8	38.6

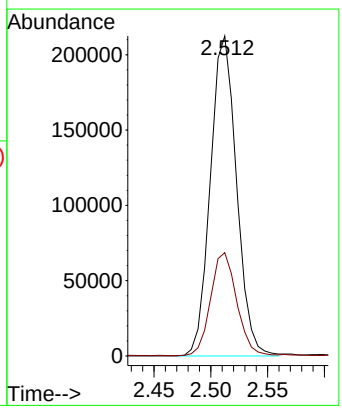


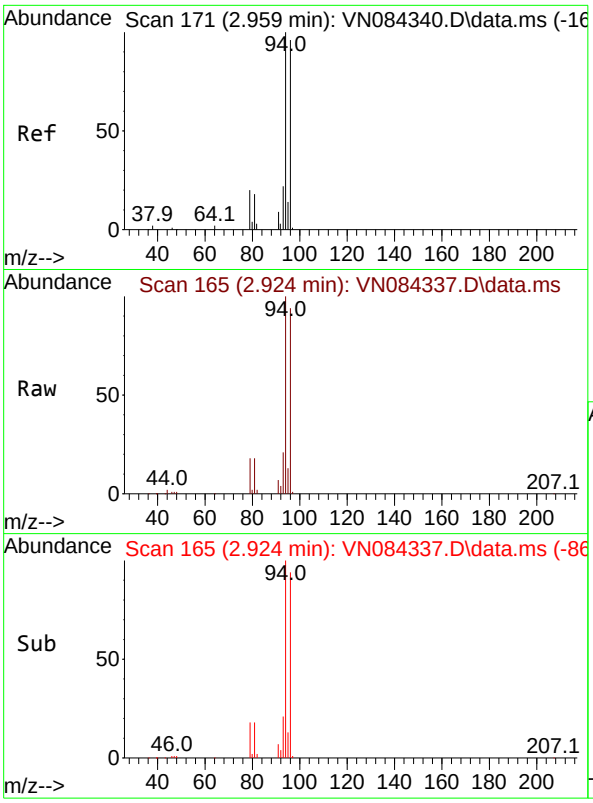


#4
Vinyl Chloride
Concen: 148.089 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 62 Resp: 340879

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



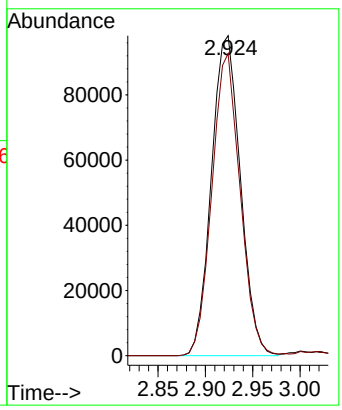


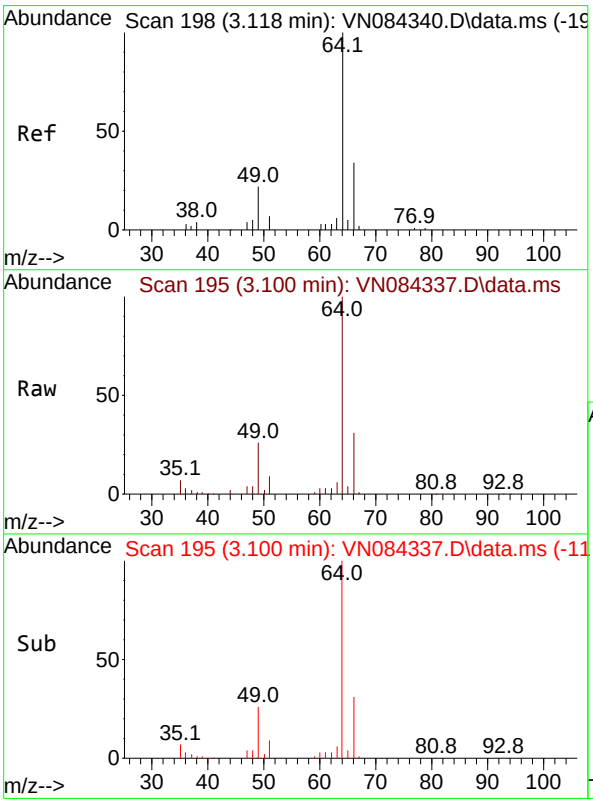
#5
Bromomethane
Concen: 136.955 ug/l
RT: 2.924 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 208863

Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.7	115.1

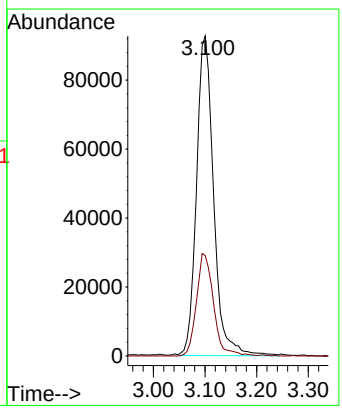


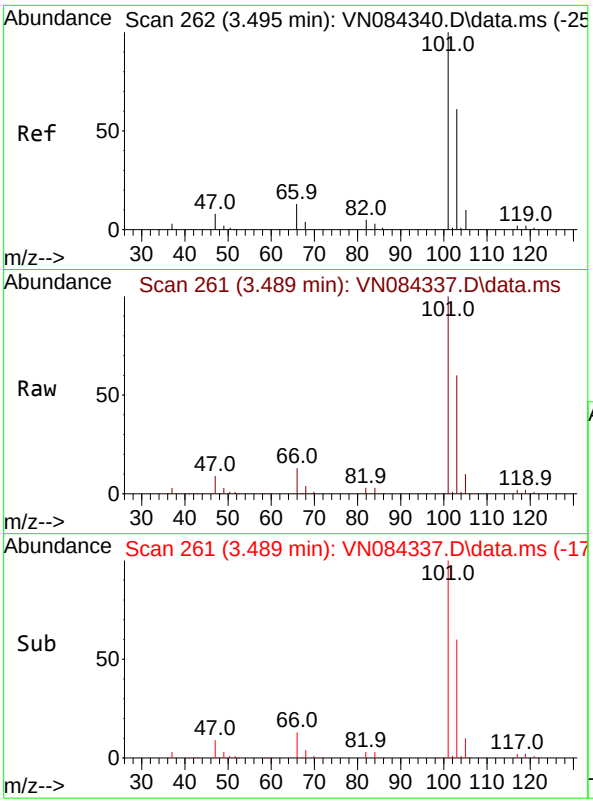


#6
Chloroethane
Concen: 141.510 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 64 Resp: 213547

Ion	Ratio	Lower	Upper
64	100		
66	31.4	27.7	41.5



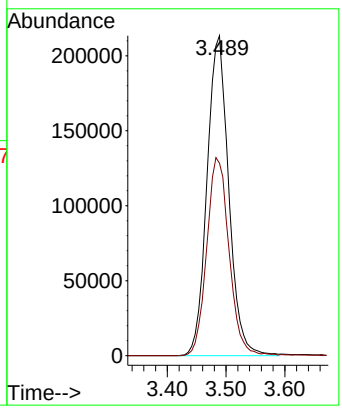


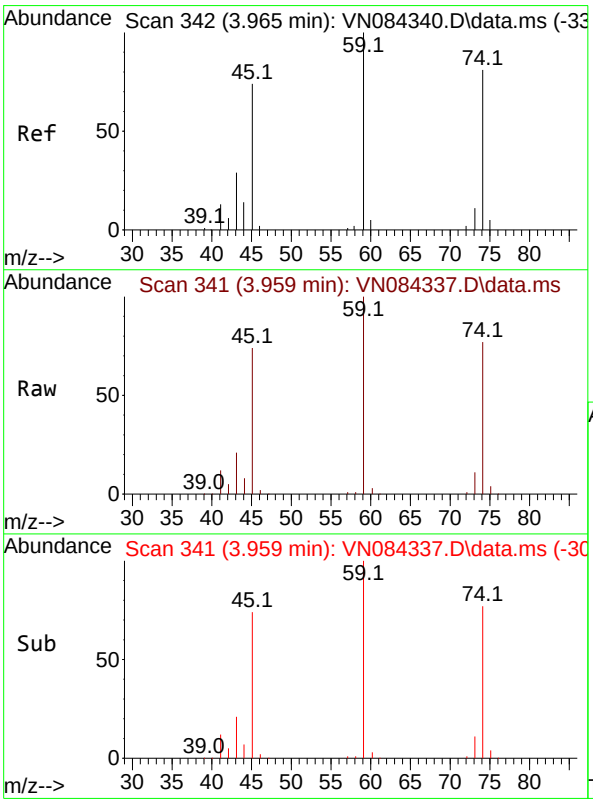
#7
Trichlorofluoromethane
Concen: 145.812 ug/l
RT: 3.489 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 546712

Ion	Ratio	Lower	Upper
101	100		
103	60.2	49.0	73.6

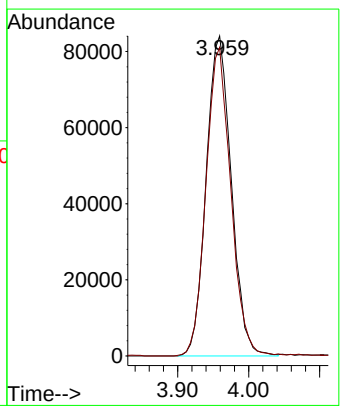


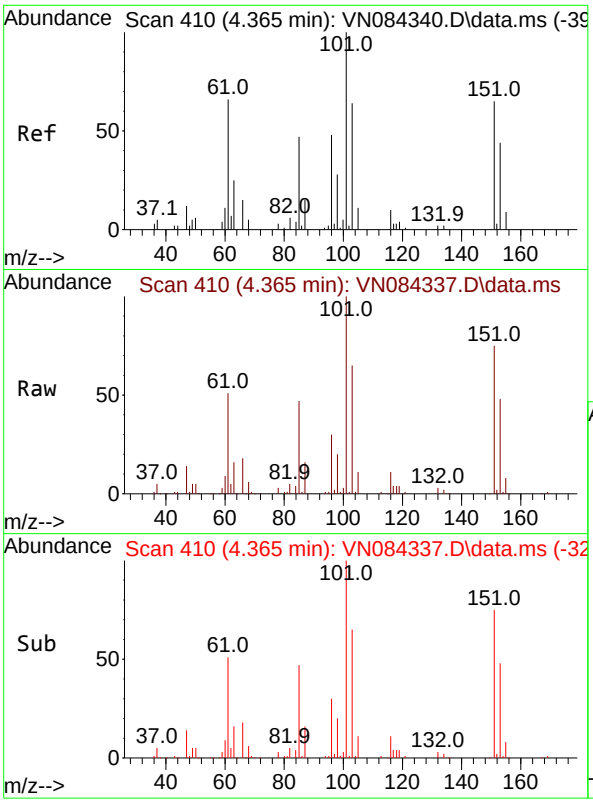


#8
Diethyl Ether
Concen: 149.881 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 74 Resp: 206608

Ion	Ratio	Lower	Upper
74	100		
45	95.3	19.2	173.2



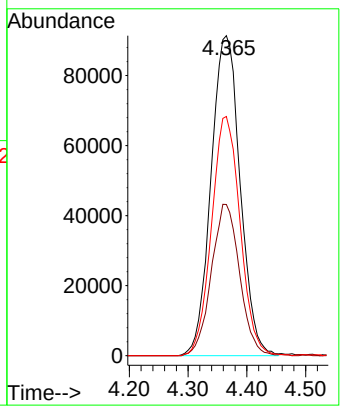


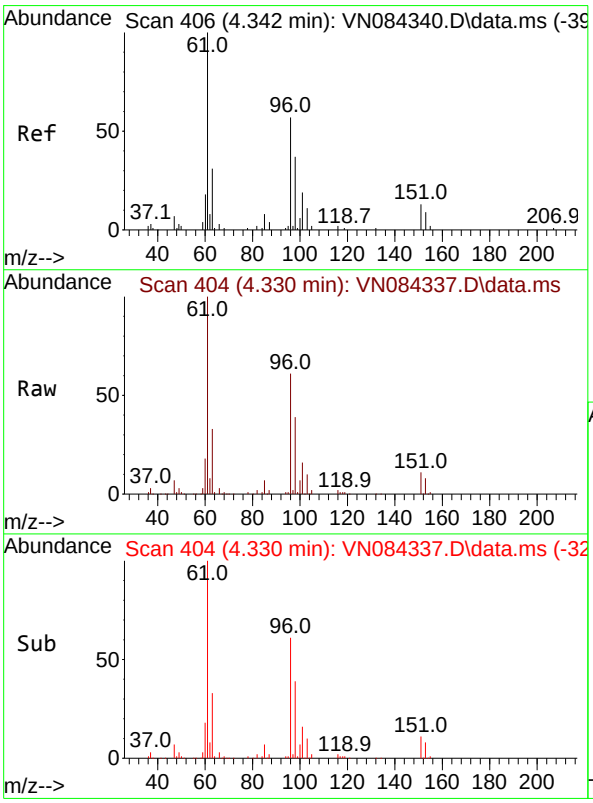
#9
1,1,2-Trichlorotrifluoroethane
Concen: 149.095 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 314320

Ion	Ratio	Lower	Upper
101	100		
85	45.9	0.0	93.6
151	73.4	0.0	151.8

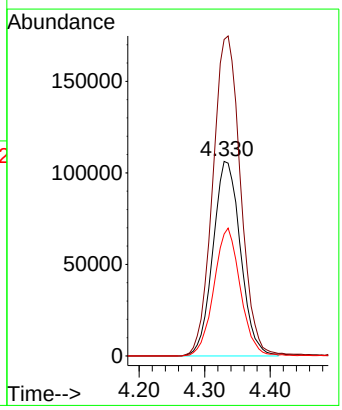


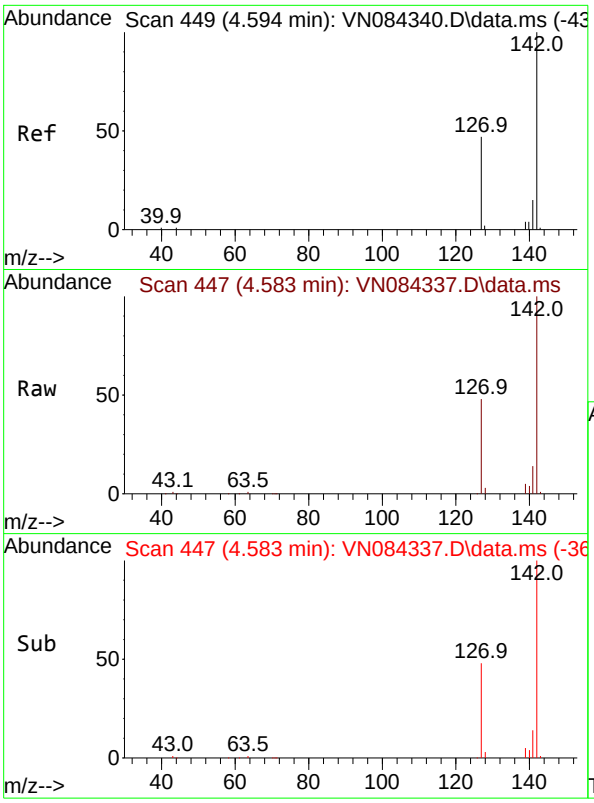


#10
1,1-Dichloroethene
Concen: 147.186 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 96 Resp: 309616

Ion	Ratio	Lower	Upper
96	100		
61	162.6	140.8	211.2
98	62.7	52.2	78.2



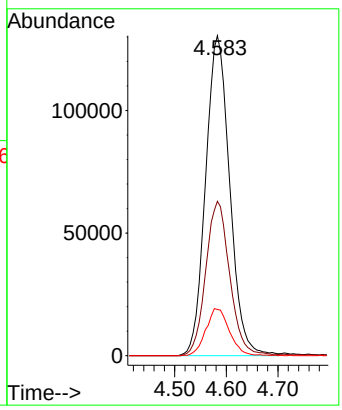


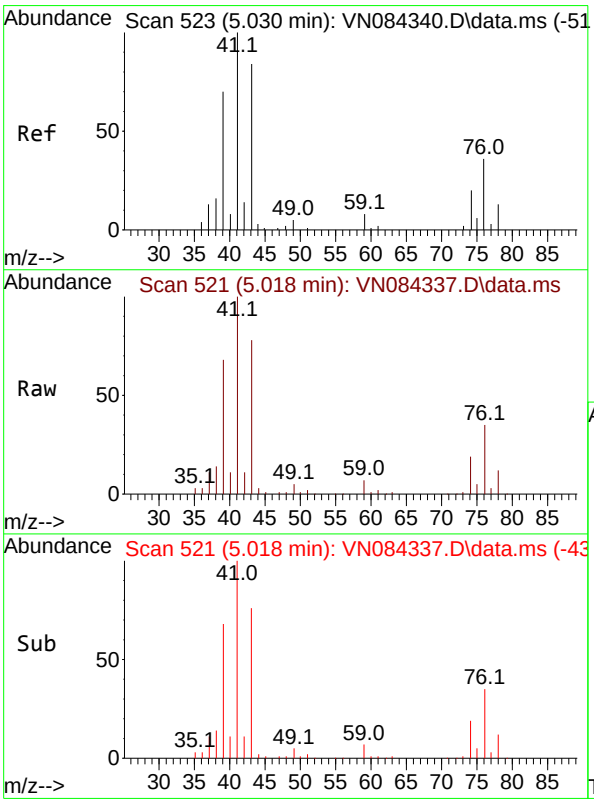
#11
Methyl Iodide
Concen: 152.937 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:142 Resp: 422778

Ion	Ratio	Lower	Upper
142	100		
127	48.2	23.8	71.4
141	14.5	7.4	22.2

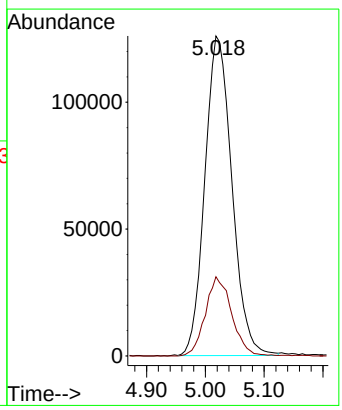


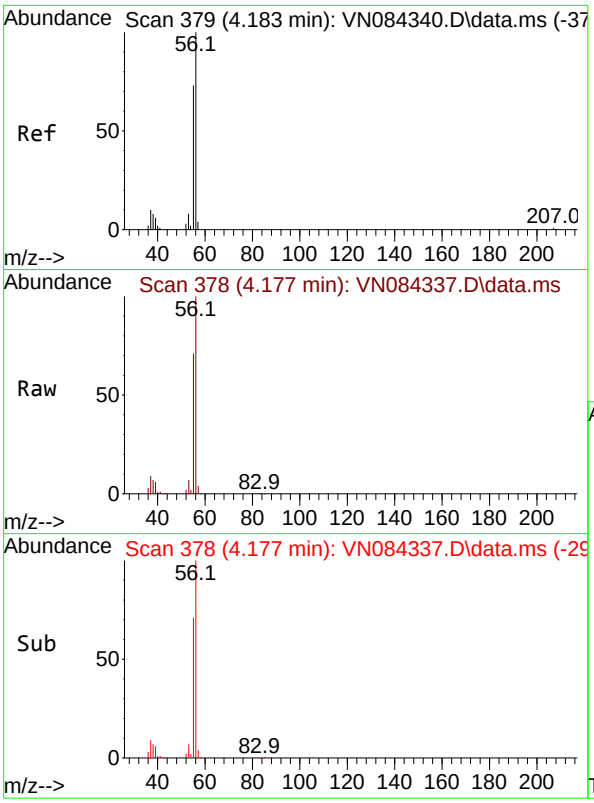


#12
Methyl Acetate
Concen: 152.836 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.012 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 402489

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2



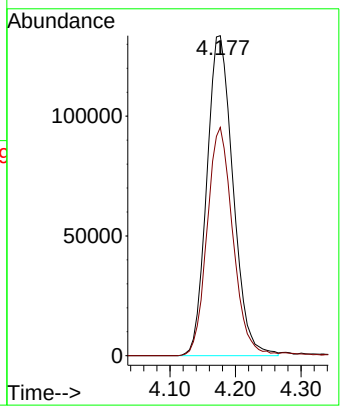


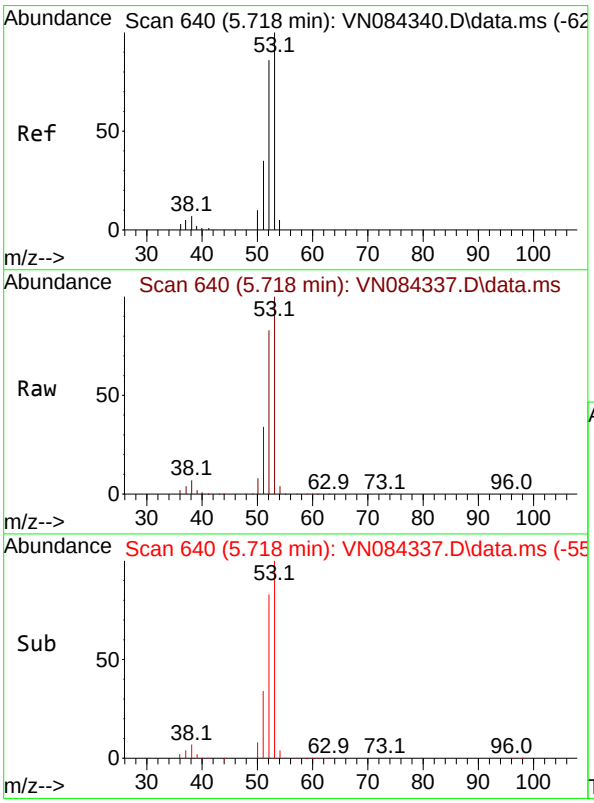
#13
Acrolein
Concen: 758.829 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 371221

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.4	84.6

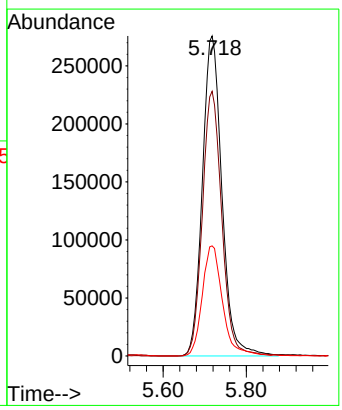


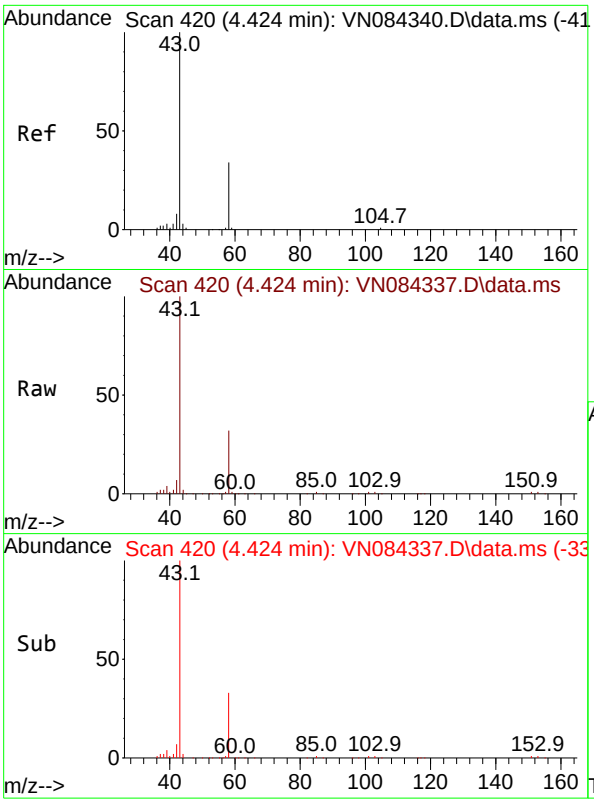


#14
Acrylonitrile
Concen: 763.216 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 53 Resp: 902986

Ion	Ratio	Lower	Upper
53	100		
52	81.6	40.4	121.2
51	35.6	17.8	53.4



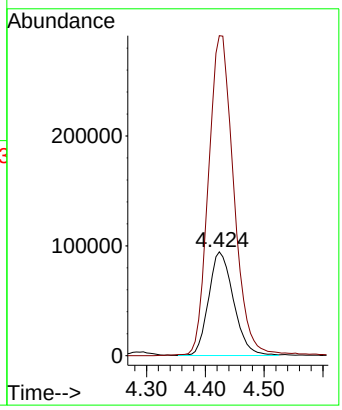


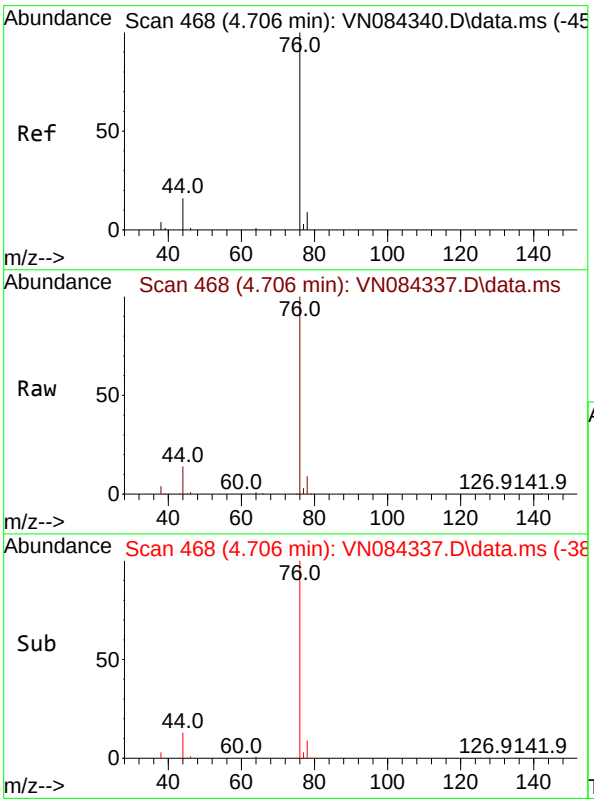
#15
Acetone
Concen: 821.289 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 58 Resp: 277575

Ion	Ratio	Lower	Upper
58	100		
43	307.5	237.5	356.3

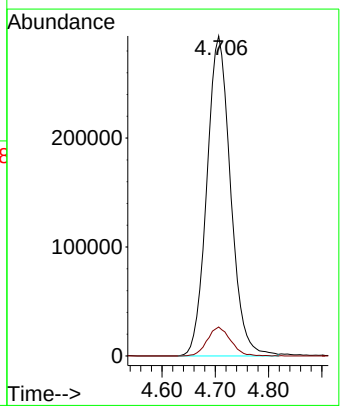


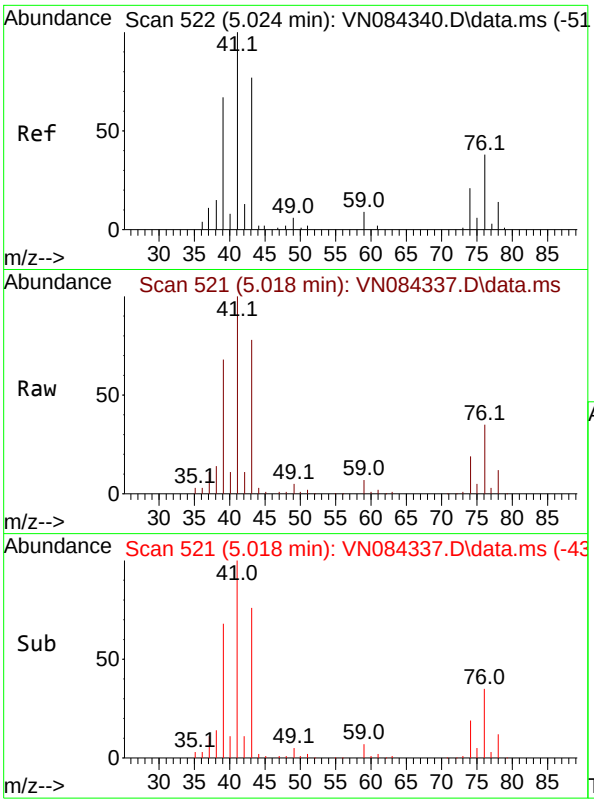


#16
Carbon Disulfide
Concen: 145.236 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 76 Resp: 909776

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7



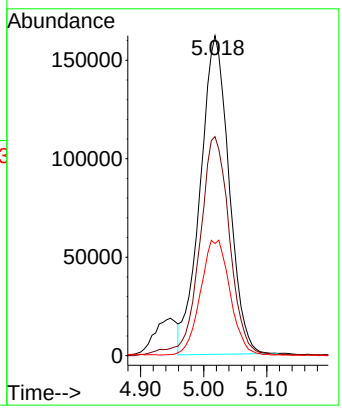


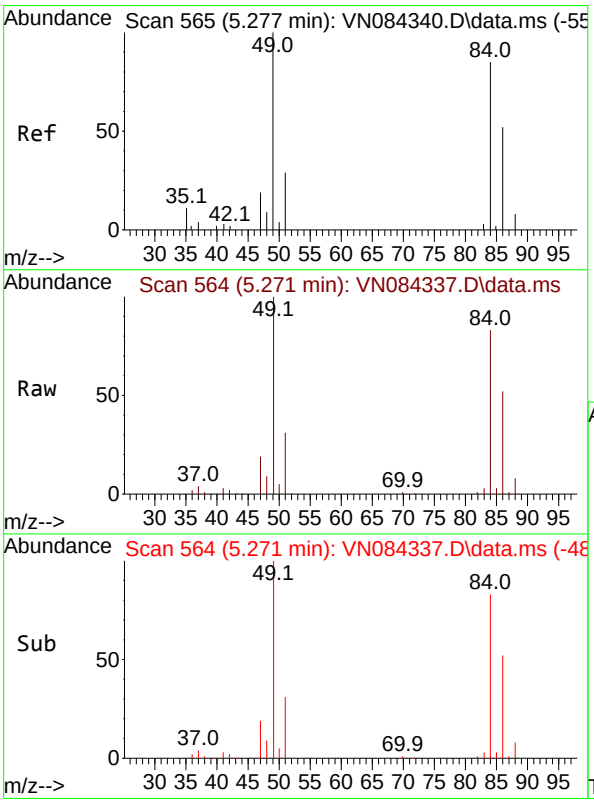
#17
Allyl chloride
Concen: 150.078 ug/l
RT: 5.018 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 511759

Ion	Ratio	Lower	Upper
41	100		
39	68.5	31.4	94.3
76	35.0	17.8	53.5

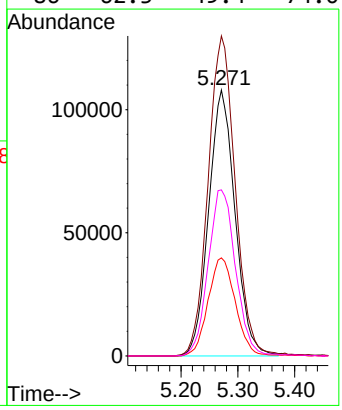


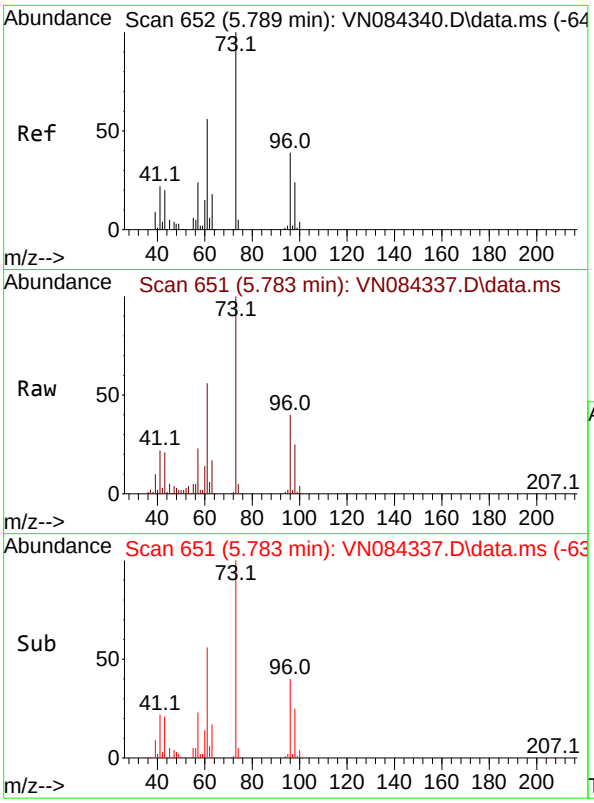


#18
Methylene Chloride
Concen: 147.322 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 84 Resp: 349106

Ion	Ratio	Lower	Upper
84	100		
49	120.0	94.6	142.0
51	36.9	27.3	40.9
86	62.3	49.4	74.0



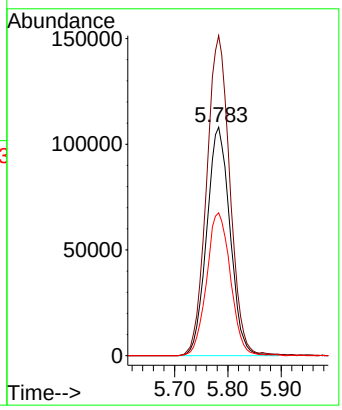


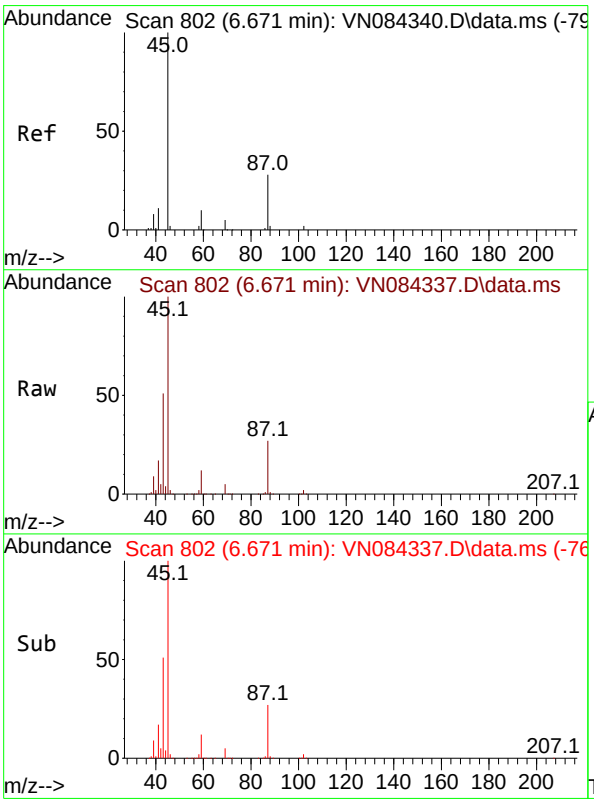
#19
trans-1,2-Dichloroethene
Concen: 147.827 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 329107

Ion	Ratio	Lower	Upper
96	100		
61	140.0	115.8	173.6
98	62.5	49.4	74.0

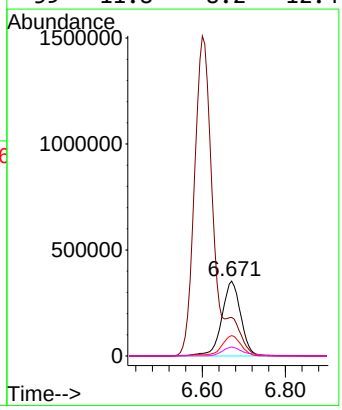


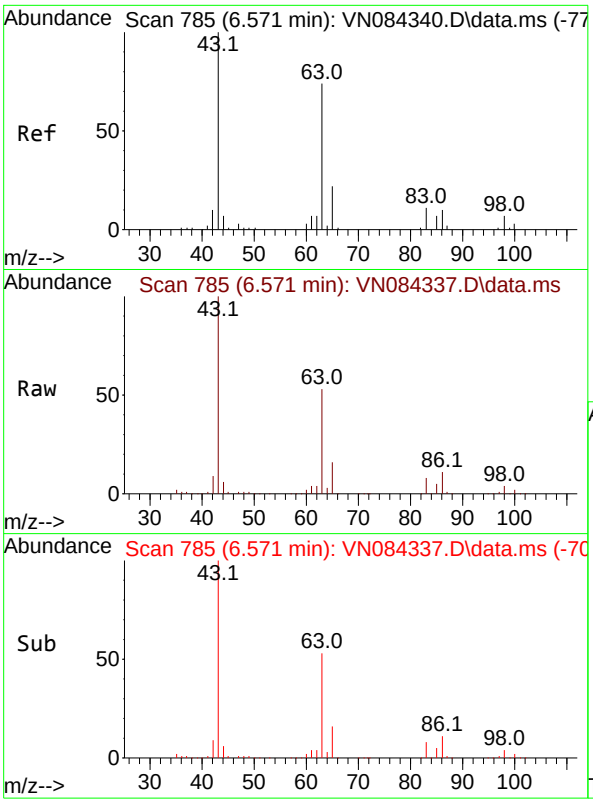


#20
Diisopropyl ether
Concen: 151.956 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 45 Resp: 1114091

Ion	Ratio	Lower	Upper
45	100		
43	50.9	43.7	65.5
87	27.1	23.1	34.7
59	11.8	8.2	12.4



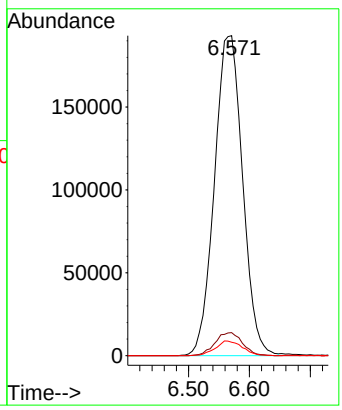


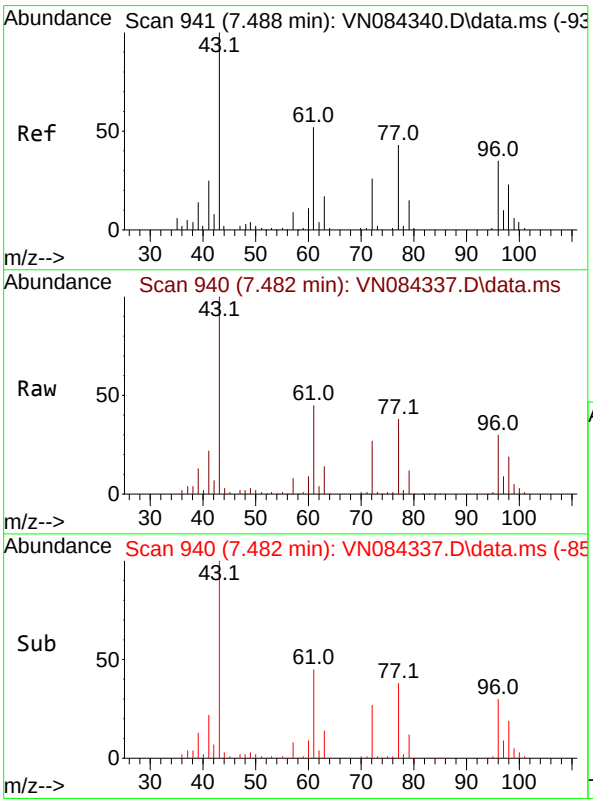
#21
1,1-Dichloroethane
Concen: 147.512 ug/l
RT: 6.571 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 620566

Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.5	13.4
100	4.2	2.1	6.3

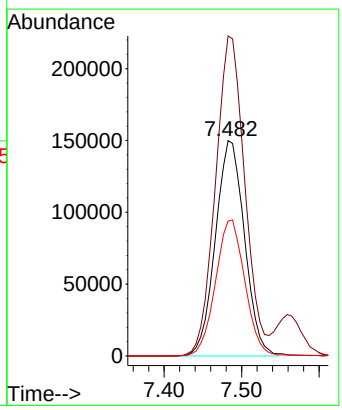


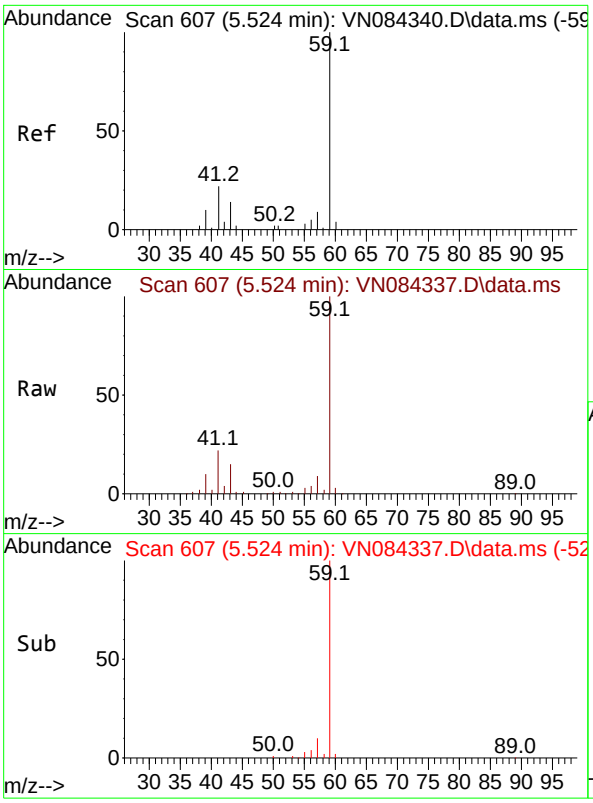


#22
cis-1,2-Dichloroethene
Concen: 151.363 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 96 Resp: 392124

Ion	Ratio	Lower	Upper
96	100		
61	149.9	118.0	177.0
98	63.8	51.8	77.8



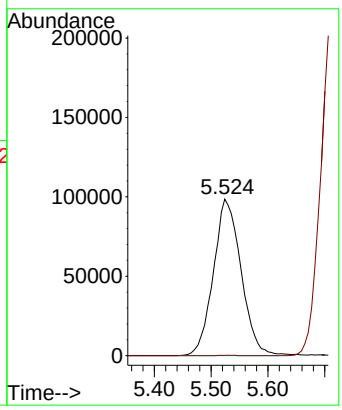


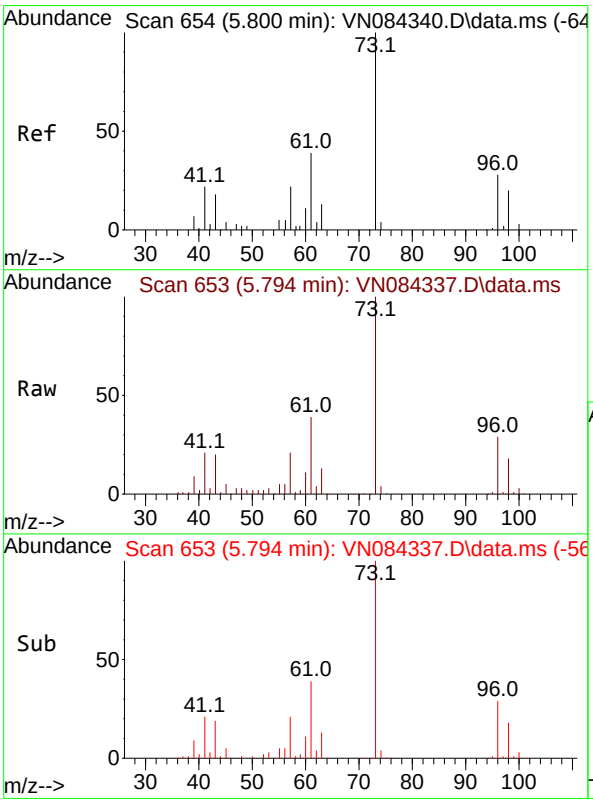
#23
tert-Butyl Alcohol
Concen: 734.096 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 333149

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

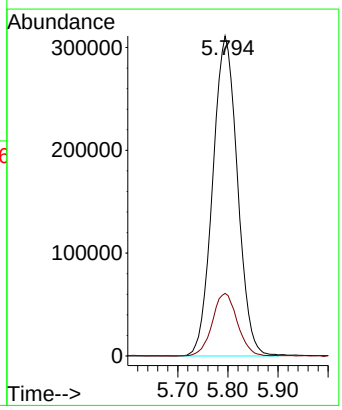


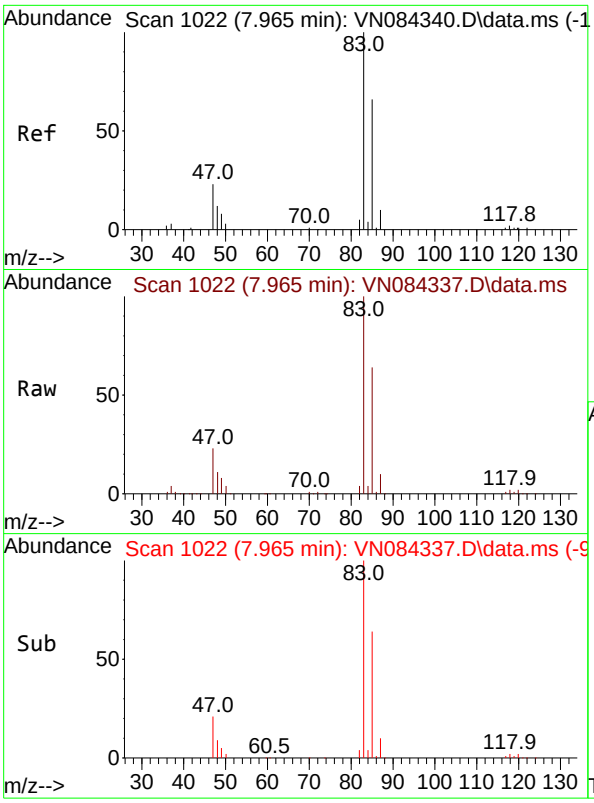


#24
Methyl tert-Butyl Ether
Concen: 152.038 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 73 Resp: 1068810

Ion	Ratio	Lower	Upper
73	100		
43	19.8	10.9	16.3#



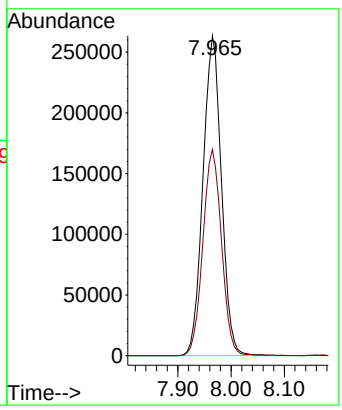


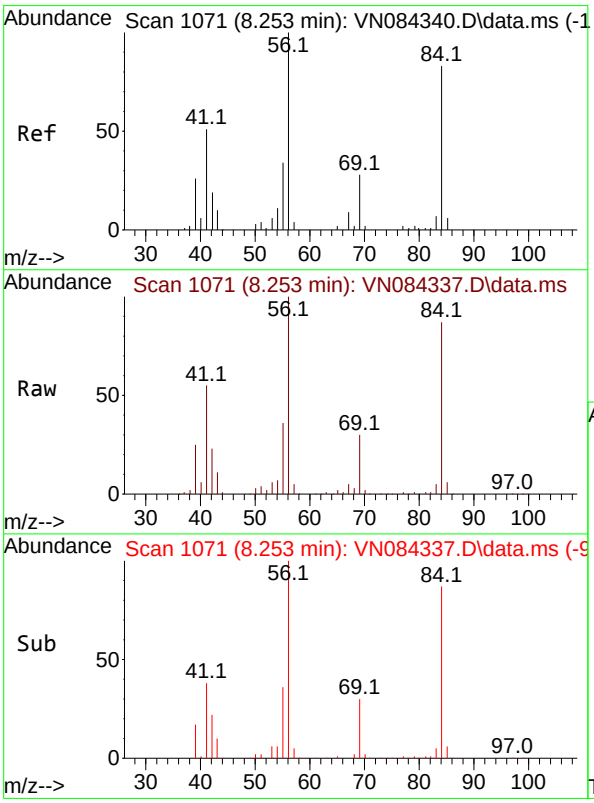
#25
Chloroform
Concen: 149.030 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 634973

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6

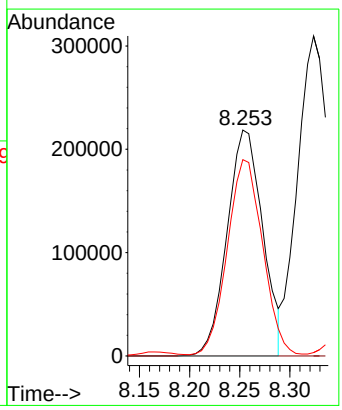


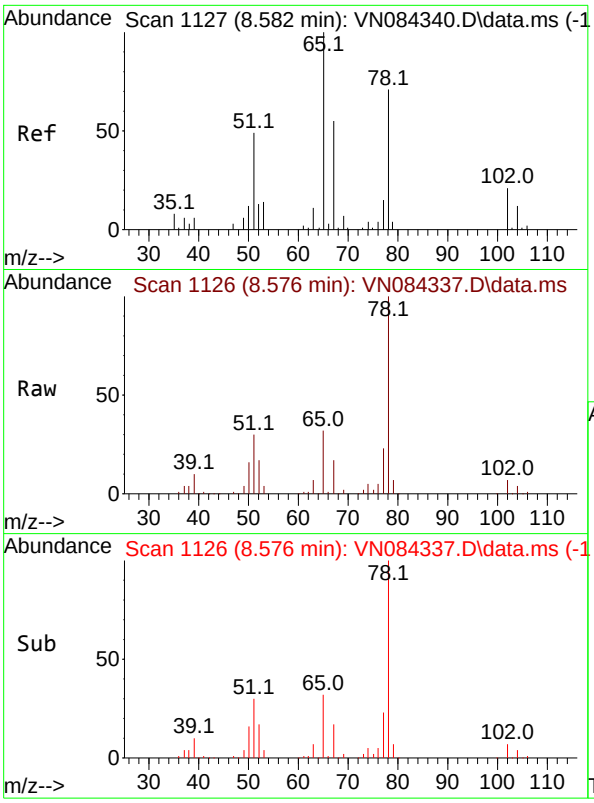


#26
Cyclohexane
Concen: 153.272 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 56 Resp: 539286

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	86.9	67.0	100.6



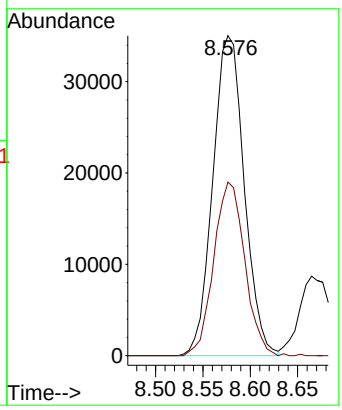


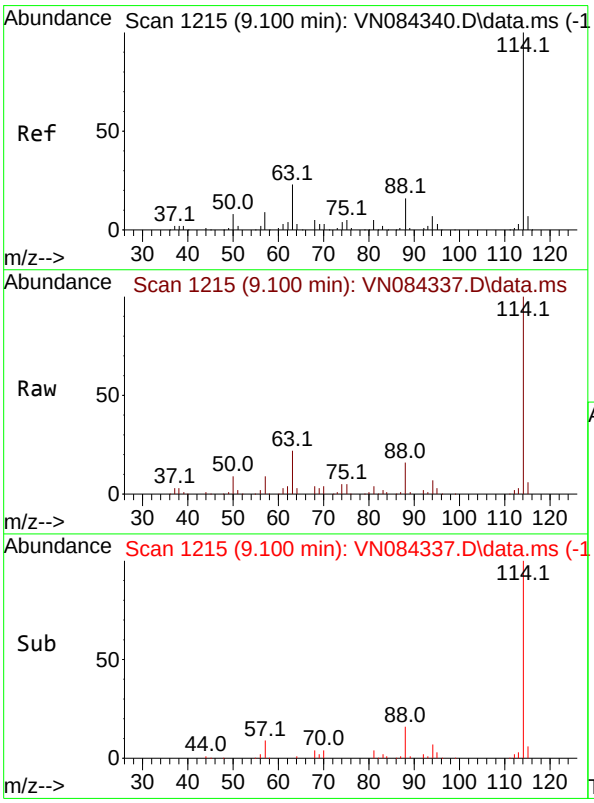
#27
1,2-Dichloroethane-d4
Concen: 29.718 ug/l
RT: 8.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 80830

Ion	Ratio	Lower	Upper
65	100		
67	53.4	41.5	62.3

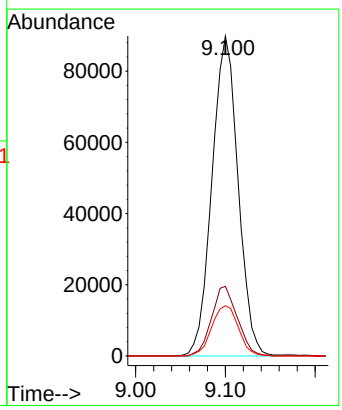


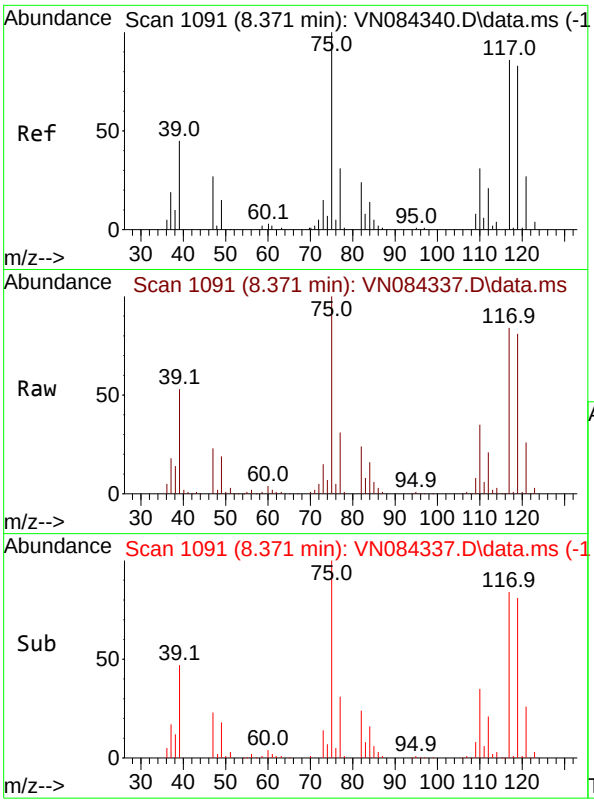


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:114 Resp: 181536

Ion	Ratio	Lower	Upper
114	100		
63	21.5	17.4	26.0
88	16.1	13.2	19.8



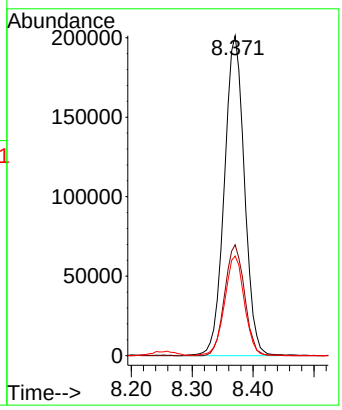


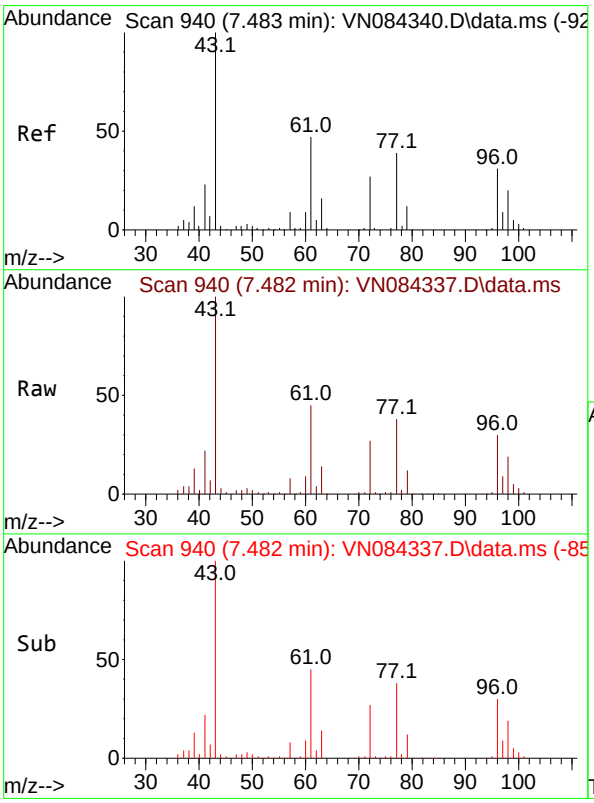
#29
1,1-Dichloropropene
Concen: 154.807 ug/l
RT: 8.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 461334

Ion	Ratio	Lower	Upper
75	100		
110	34.2	0.0	67.6
77	30.6	0.0	61.4

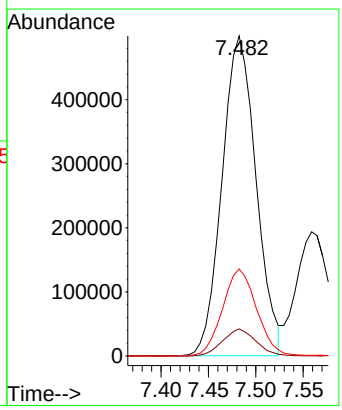


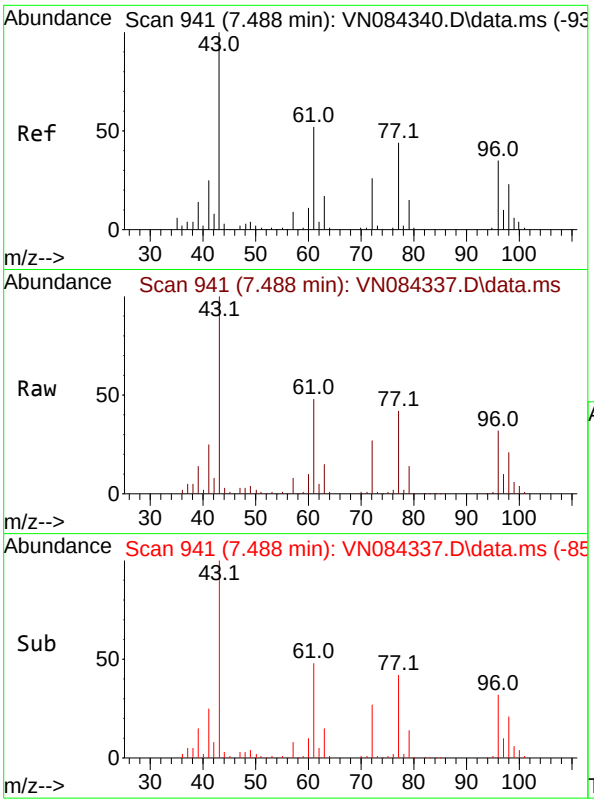


#30
2-Butanone
Concen: 787.459 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 1249418

Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	9.8
72	27.3	21.3	31.9



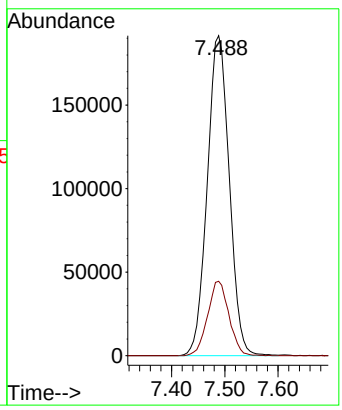


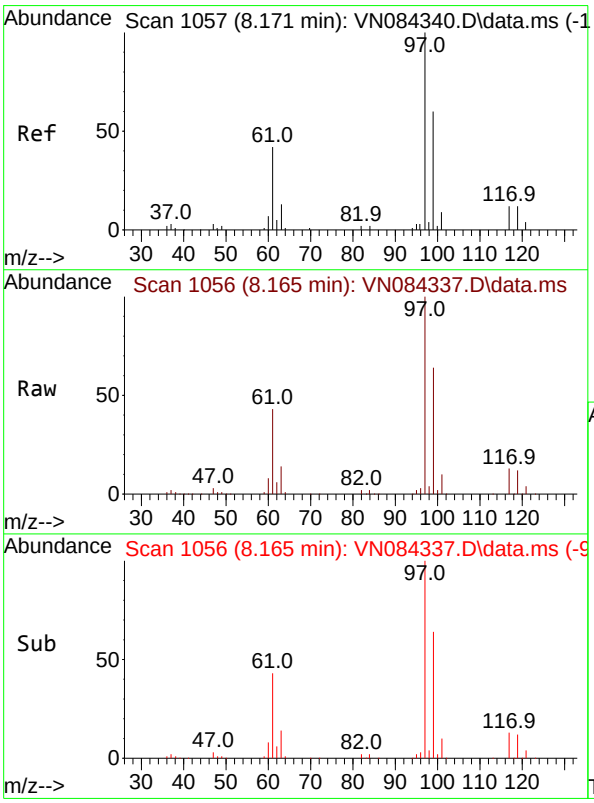
#31
2,2-Dichloropropane
Concen: 156.907 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 77 Resp: 549477

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.5	17.3#

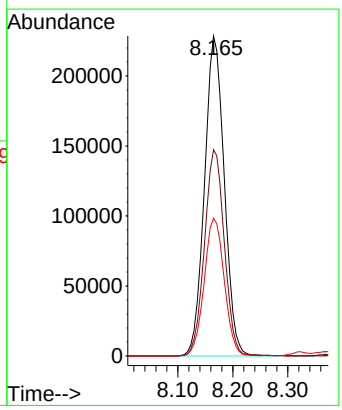


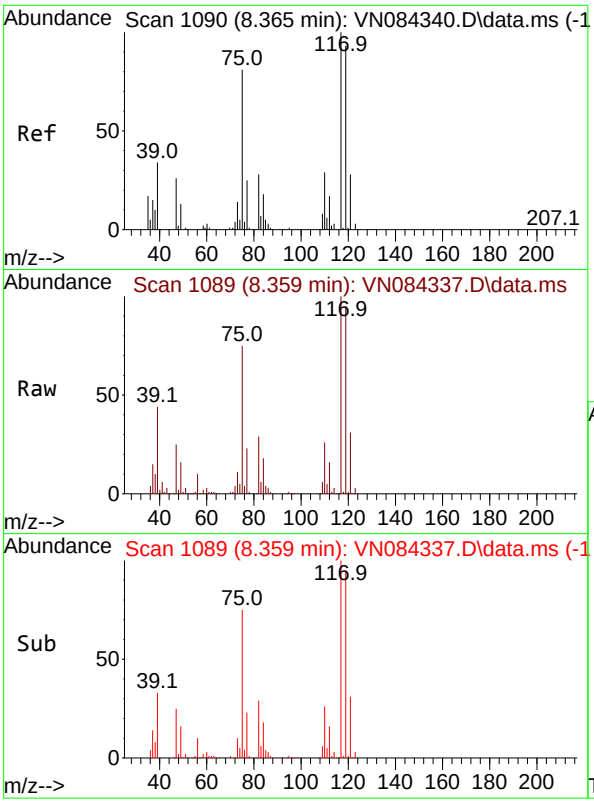


#32
1,1,1-Trichloroethane
Concen: 150.045 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 97 Resp: 571549

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	43.7	34.1	51.1



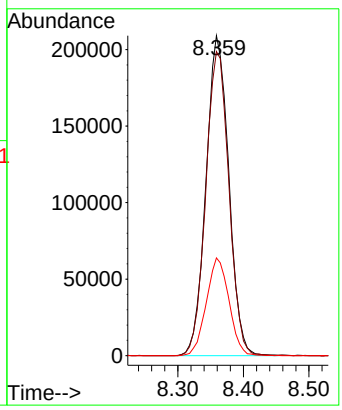


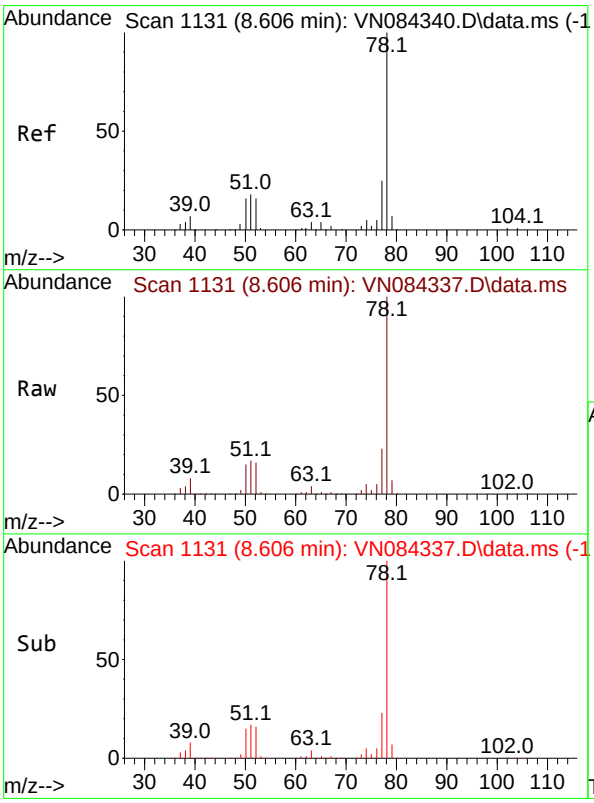
#33
Carbon Tetrachloride
Concen: 152.921 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 504637

Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.3	111.5
121	30.6	22.4	33.6

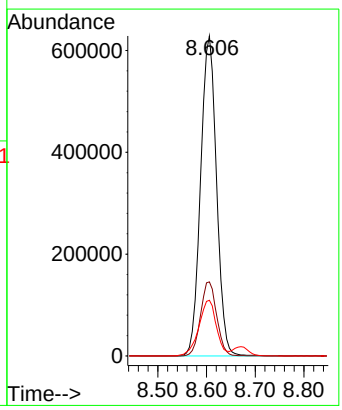


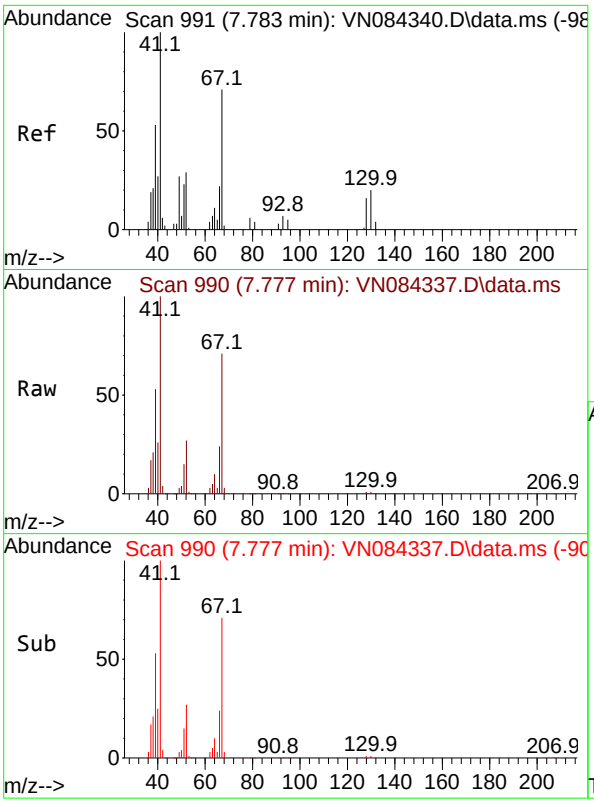


#34
Benzene
Concen: 152.821 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 78 Resp: 1425580

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.6	29.4
51	17.4	15.8	23.6



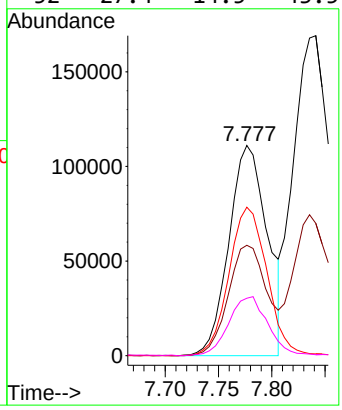


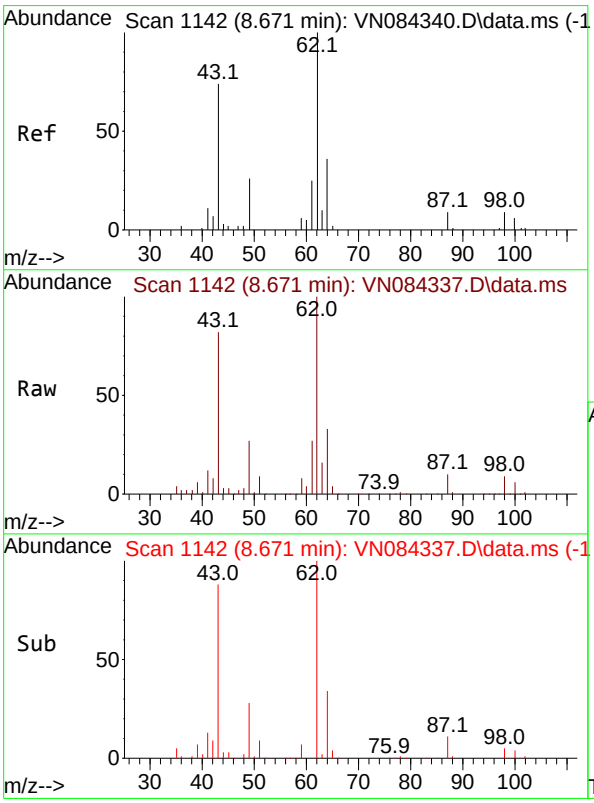
#35
Methacrylonitrile
Concen: 165.128 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 279509

Ion	Ratio	Lower	Upper
41	100		
39	52.5	26.4	79.0
67	70.6	35.7	107.1
52	27.4	14.5	43.5

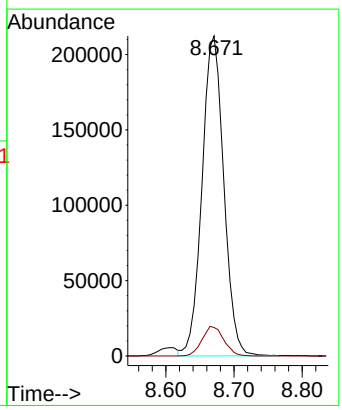


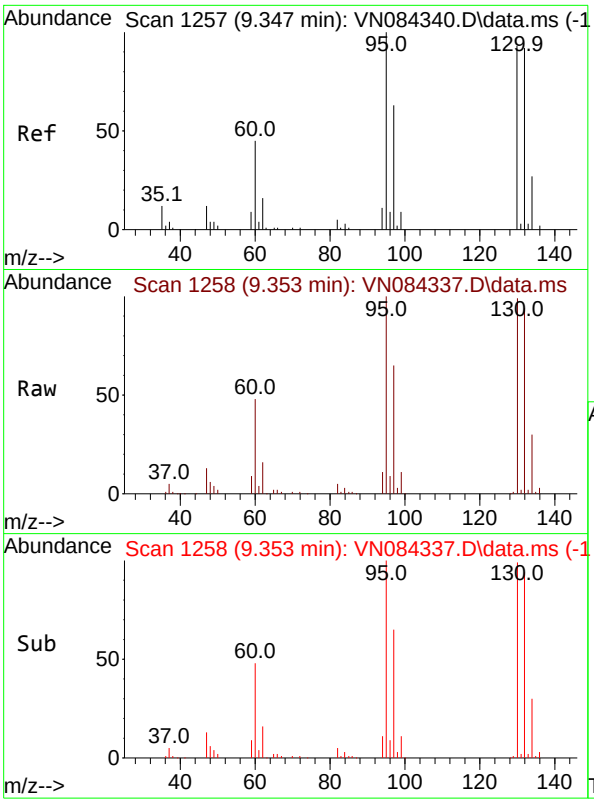


#36
1,2-Dichloroethane
Concen: 151.686 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 62 Resp: 471651

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9



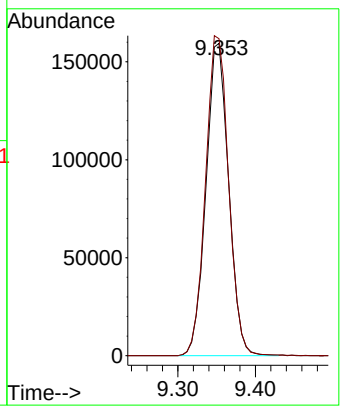


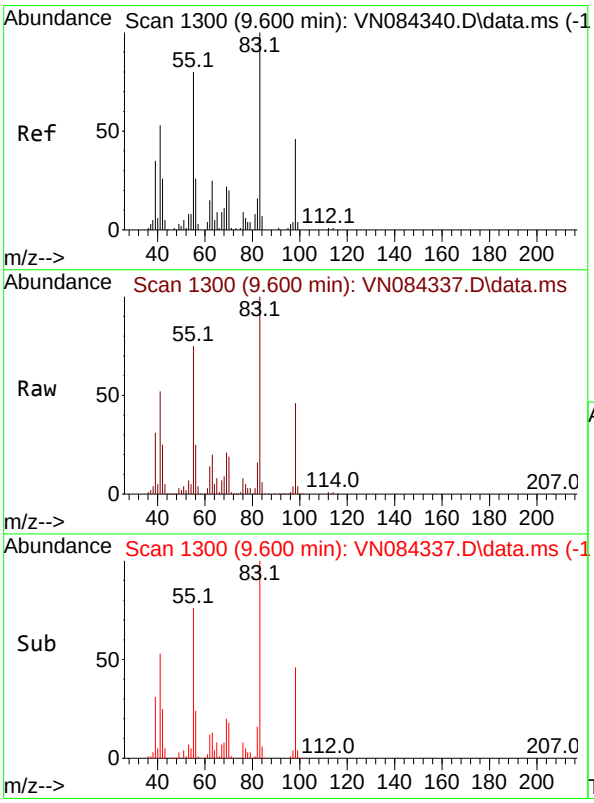
#37
Trichloroethene
Concen: 151.266 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:130 Resp: 324930

Ion	Ratio	Lower	Upper
130	100		
95	101.5	85.8	128.6

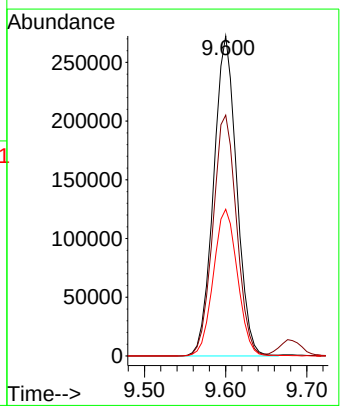


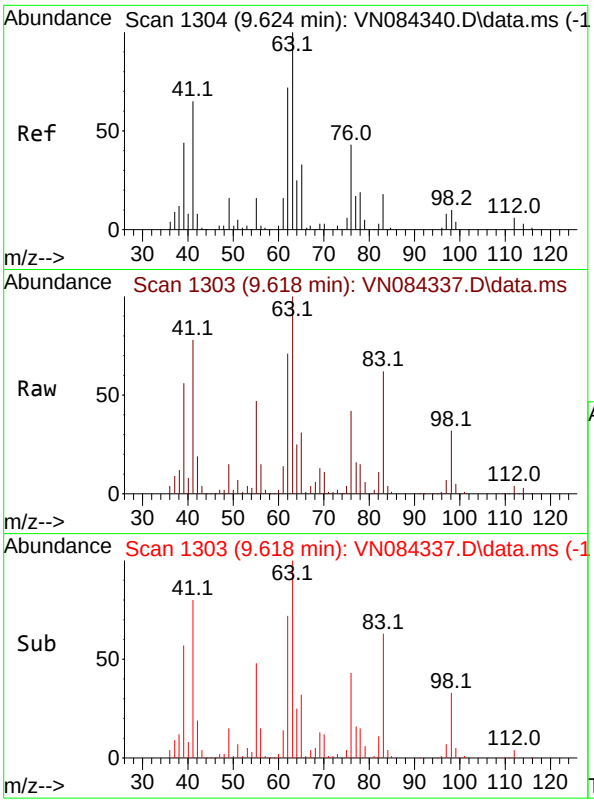


#38
Methylcyclohexane
Concen: 164.564 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 83 Resp: 538684

Ion	Ratio	Lower	Upper
83	100		
55	77.3	39.3	117.8
98	47.9	24.0	72.0



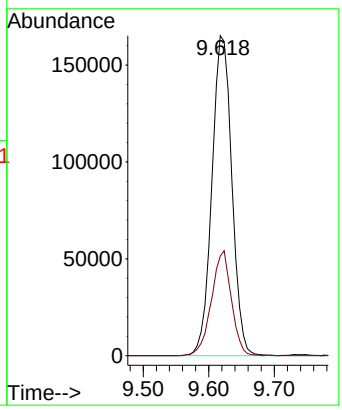


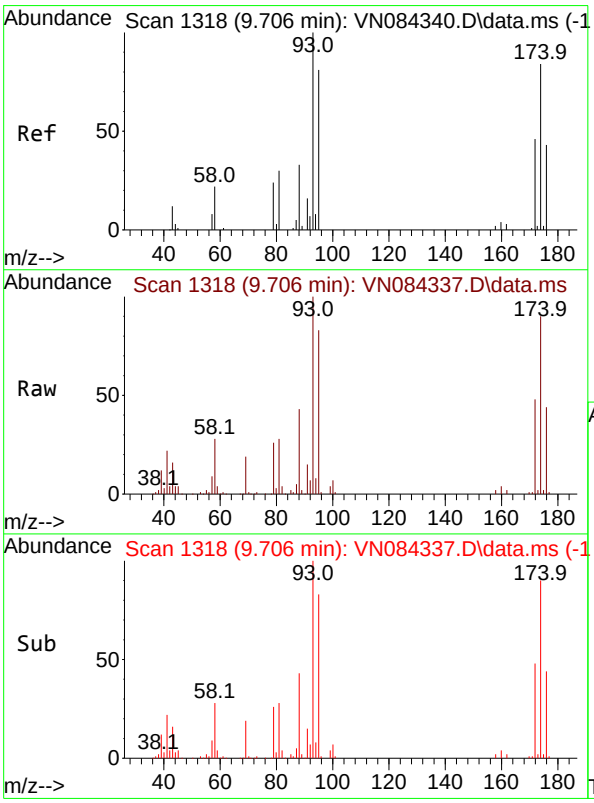
#39
1,2-Dichloropropane
Concen: 153.071 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 348207

Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.3	39.5

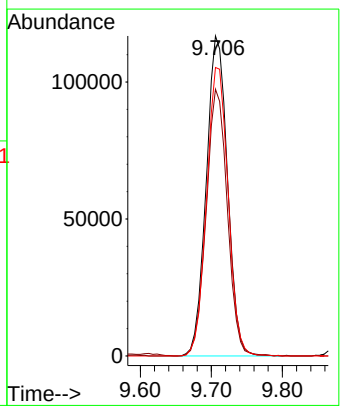


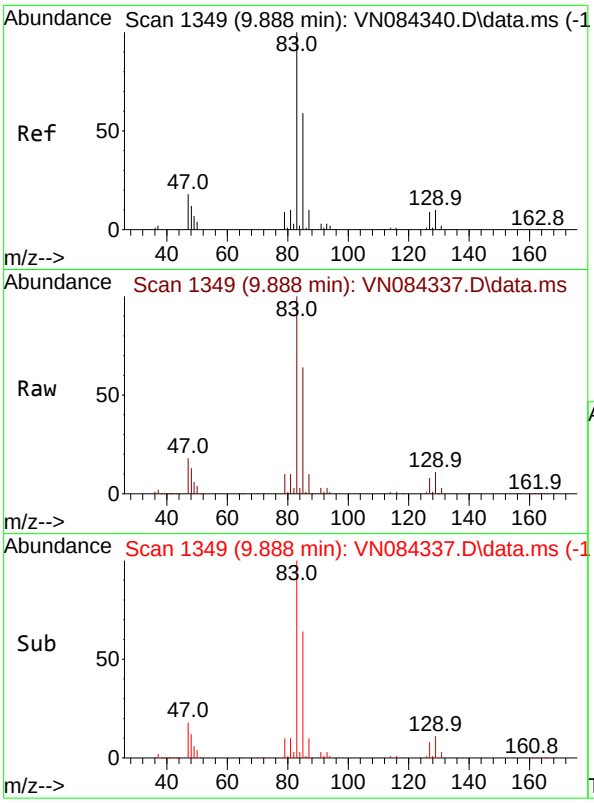


#40
Dibromomethane
Concen: 152.917 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 93 Resp: 243118

Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	171.4
174	91.2	0.0	183.0



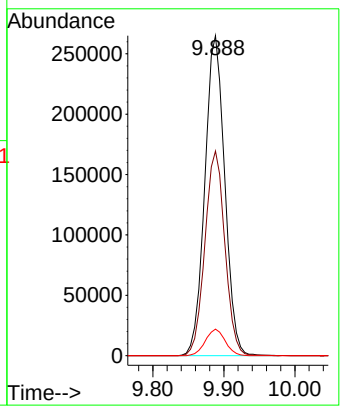


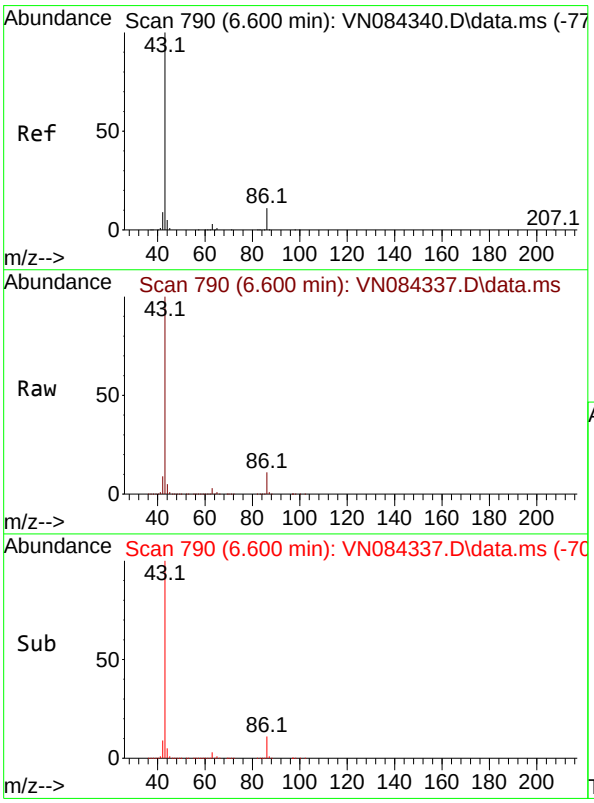
#41
Bromodichloromethane
Concen: 152.872 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 515968

Ion	Ratio	Lower	Upper
83	100		
85	63.9	47.1	70.7
127	8.3	7.1	10.7

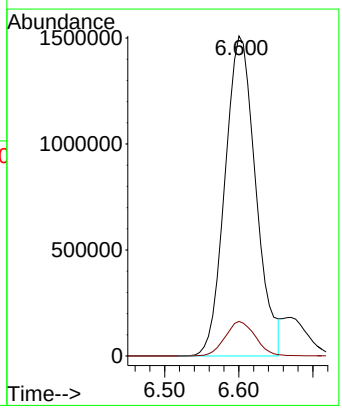


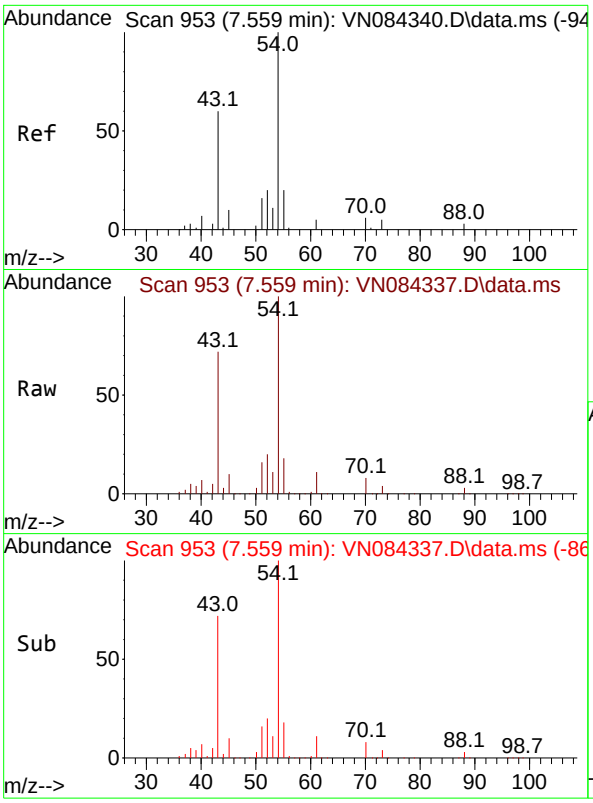


#42
Vinyl Acetate
Concen: 789.646 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 4357419

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7



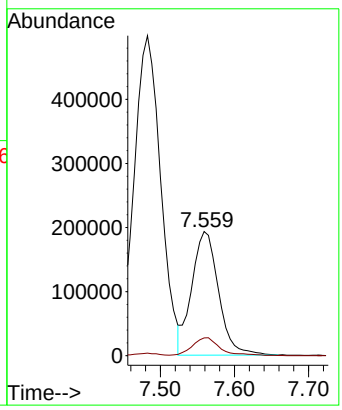


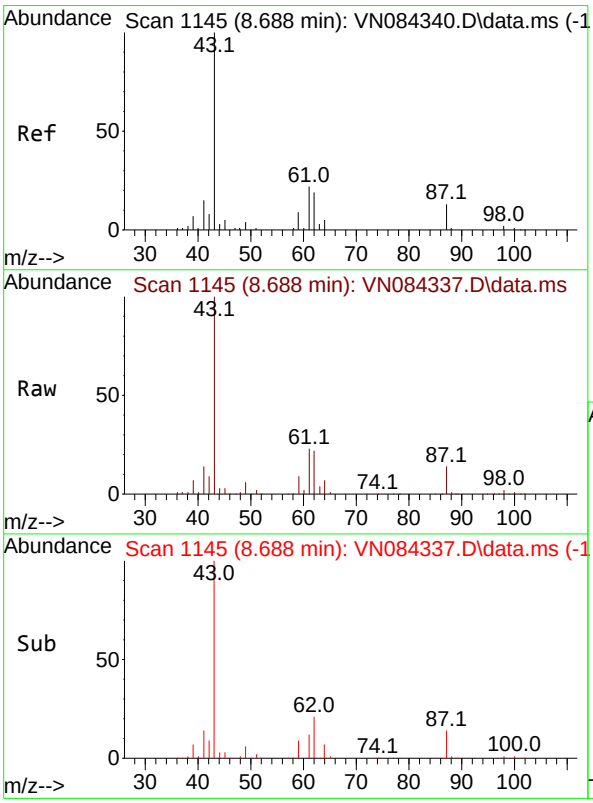
#43
Ethyl Acetate
Concen: 154.753 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 484255

Ion	Ratio	Lower	Upper
43	100		
45	13.2	10.6	16.0

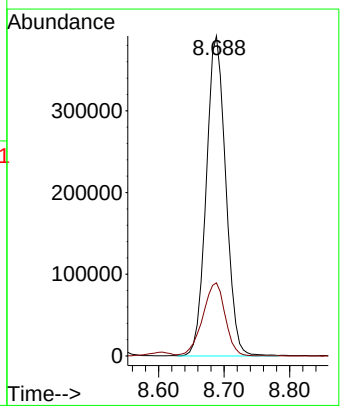


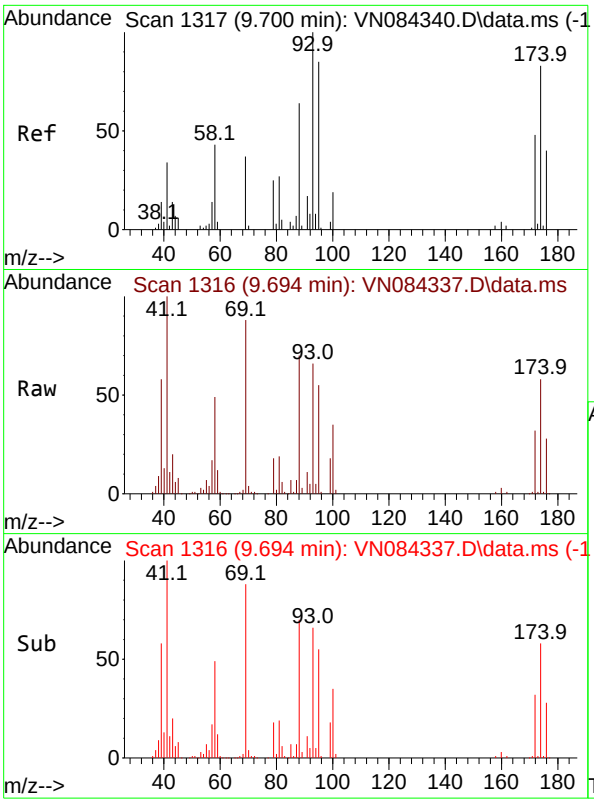


#44
Isopropyl Acetate
Concen: 157.943 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 808933

Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.4	32.2



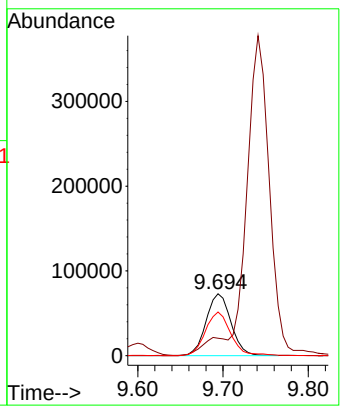


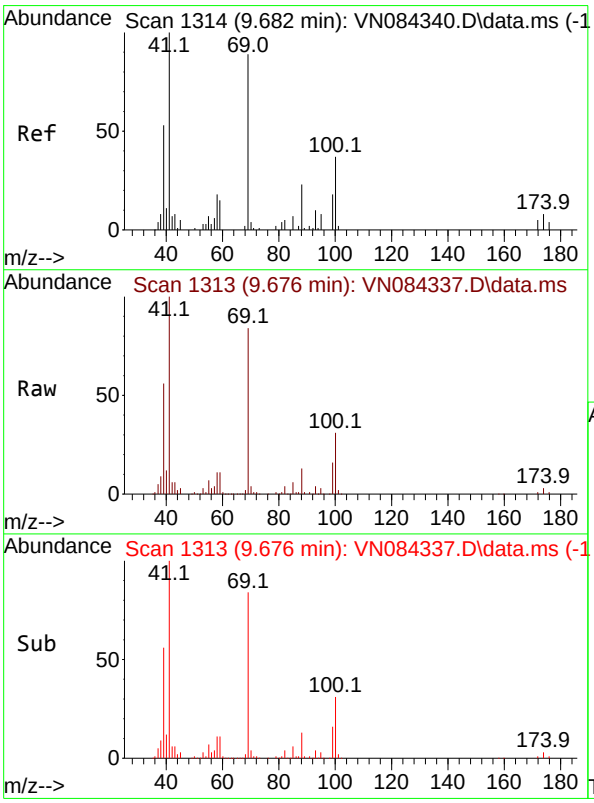
#45
1,4-Dioxane
Concen: 3200.393 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 147762

Ion	Ratio	Lower	Upper
88	100		
43	29.1	22.4	33.6
58	72.4	59.7	89.5

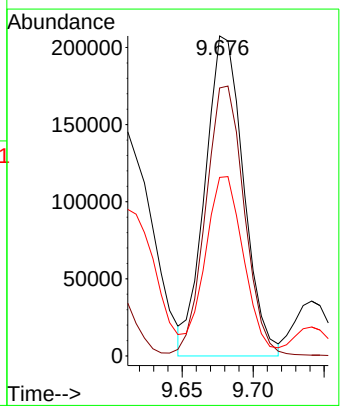


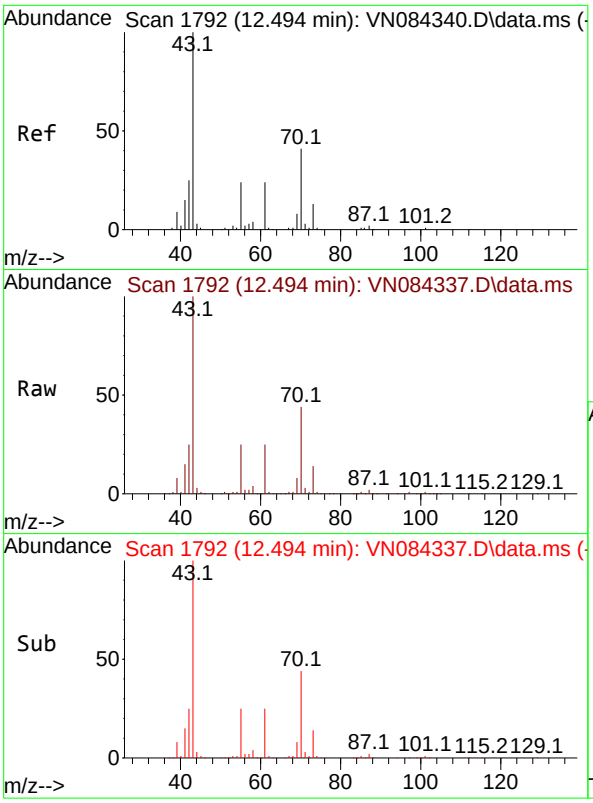


#46
Methyl methacrylate
Concen: 158.224 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 41 Resp: 391545

Ion	Ratio	Lower	Upper
41	100		
69	85.4	42.6	128.0
39	55.3	27.5	82.4



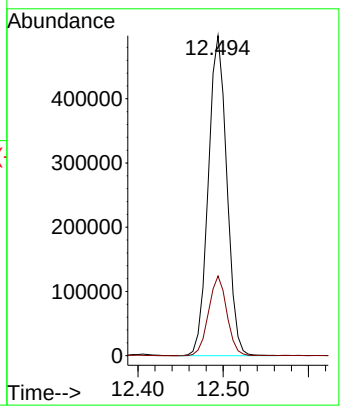


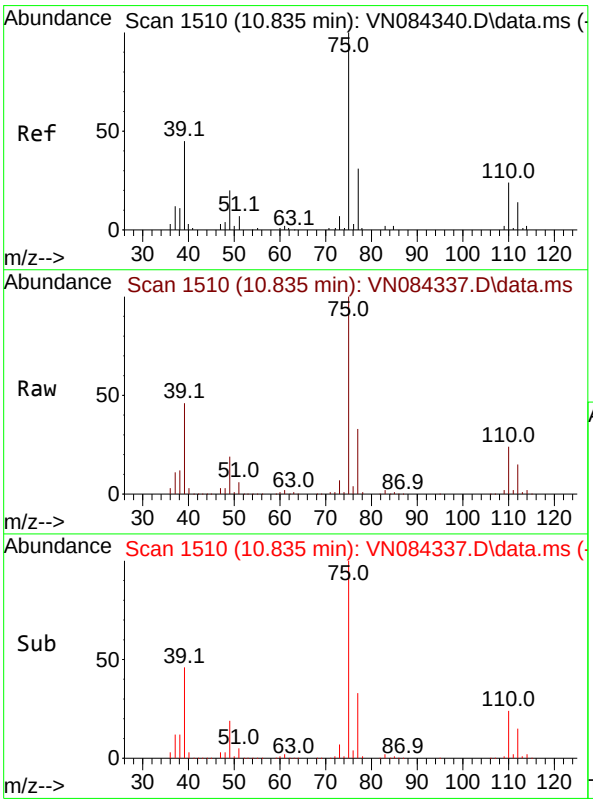
#47
n-amyl Acetate
Concen: 165.124 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 752246

Ion	Ratio	Lower	Upper
43	100		
55	24.5	20.6	31.0

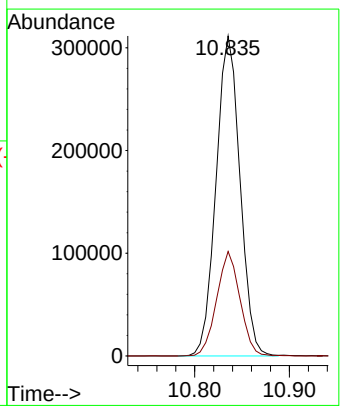


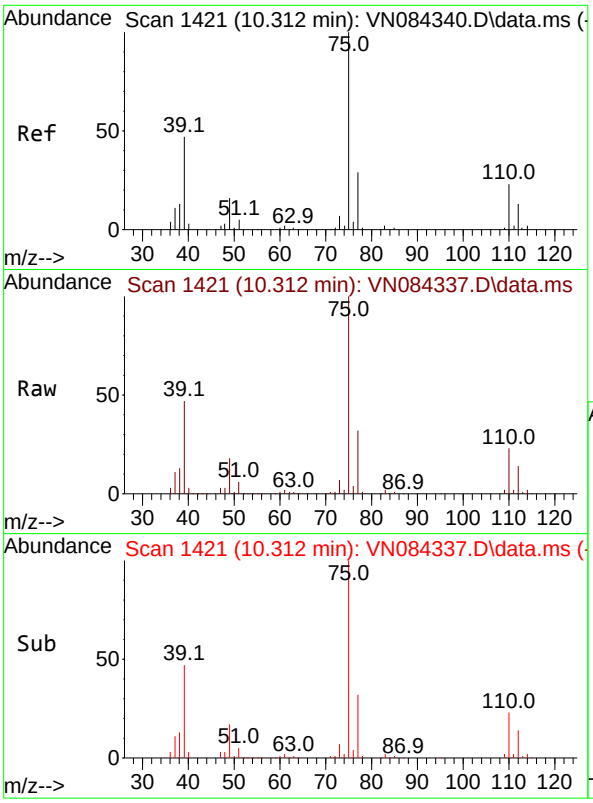


#48
t-1,3-Dichloropropene
Concen: 156.926 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 547316

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	37.0



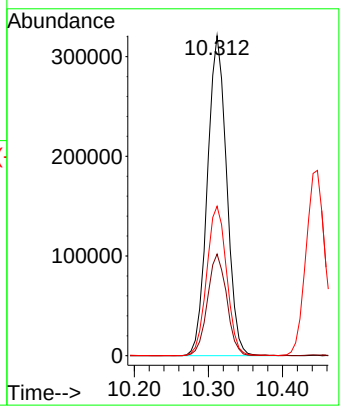


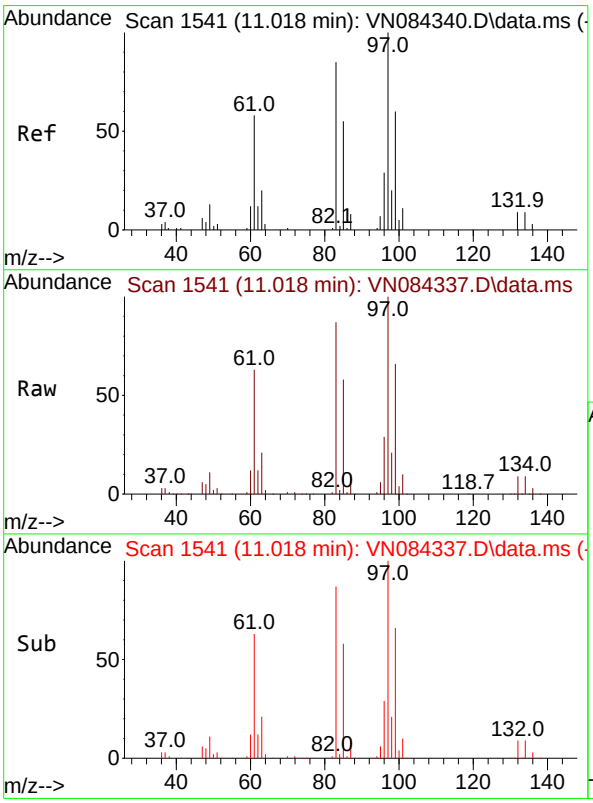
#49
cis-1,3-Dichloropropene
Concen: 158.273 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 578523

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.9	34.3
39	46.6	37.4	56.2

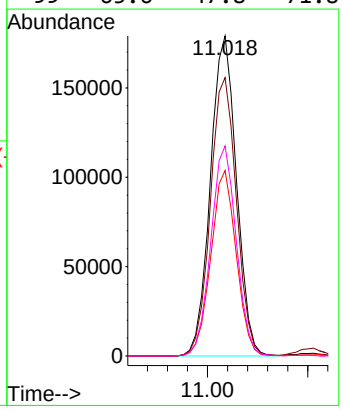


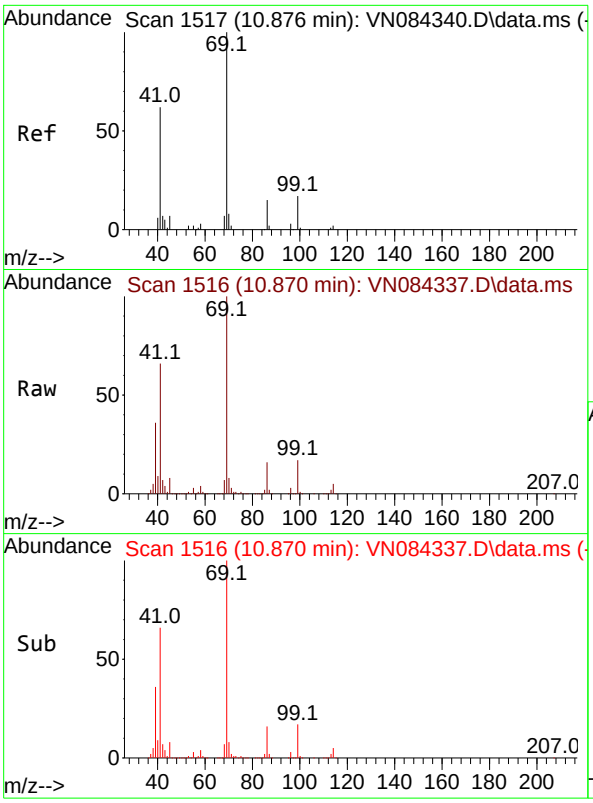


#50
1,1,2-Trichloroethane
Concen: 151.179 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 97 Resp: 323065

Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.8	101.8
85	58.0	44.2	66.2
99	65.6	47.8	71.8



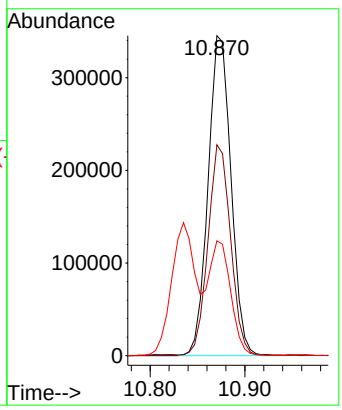


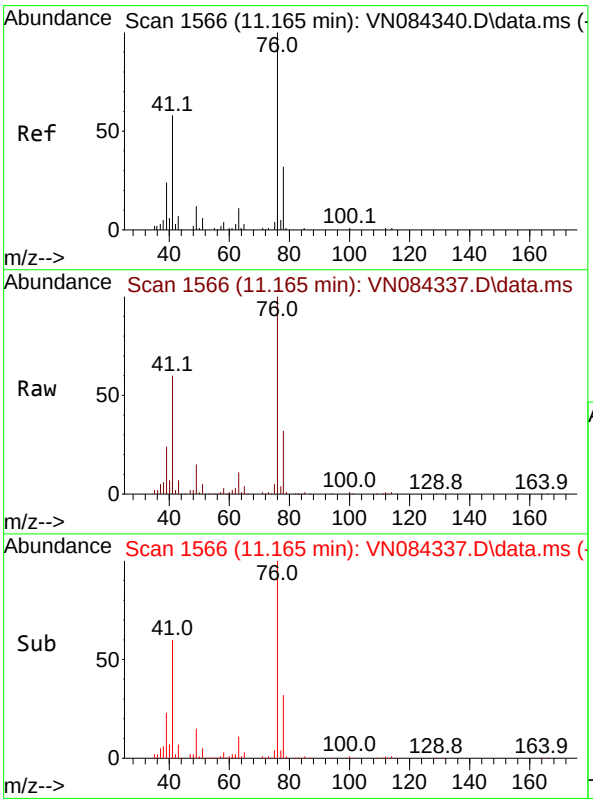
#51
Ethyl methacrylate
Concen: 164.863 ug/l
RT: 10.870 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 69 Resp: 581930

Ion	Ratio	Lower	Upper
69	100		
41	65.7	30.9	92.7
39	35.8	16.6	49.7

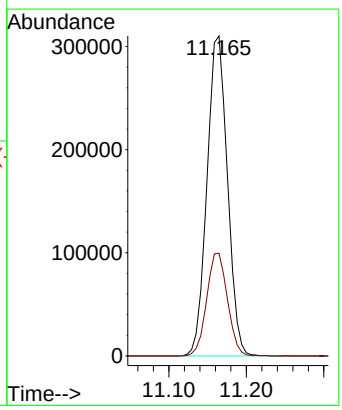


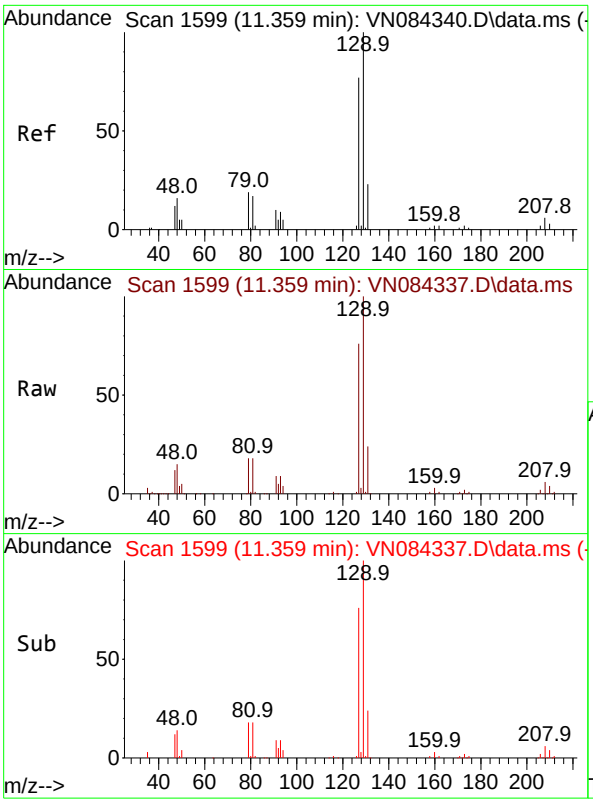


#52
1,3-Dichloropropane
Concen: 152.279 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 76 Resp: 568999

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.2



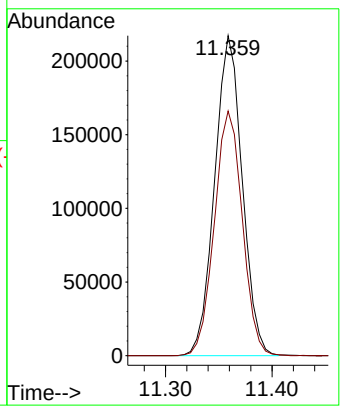


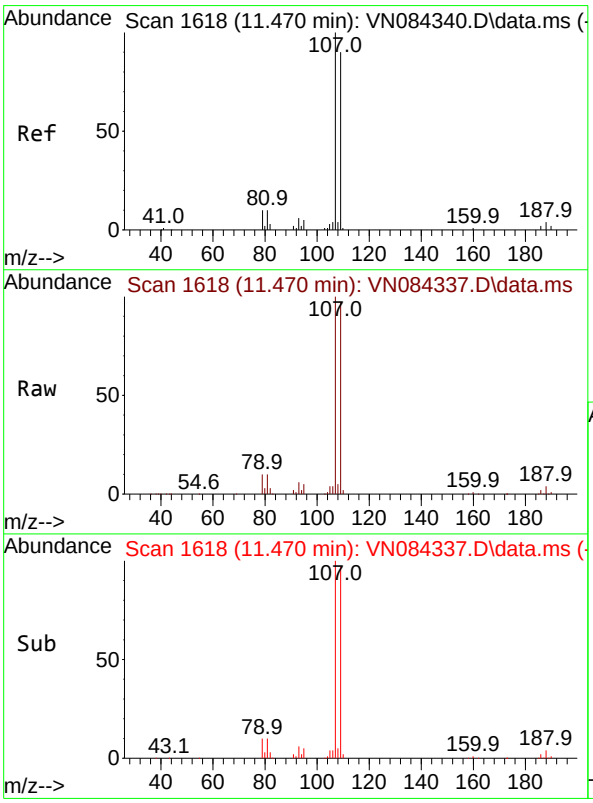
#53
Dibromochloromethane
Concen: 154.875 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:129 Resp: 390970

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5

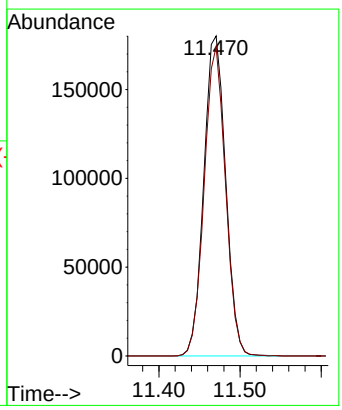


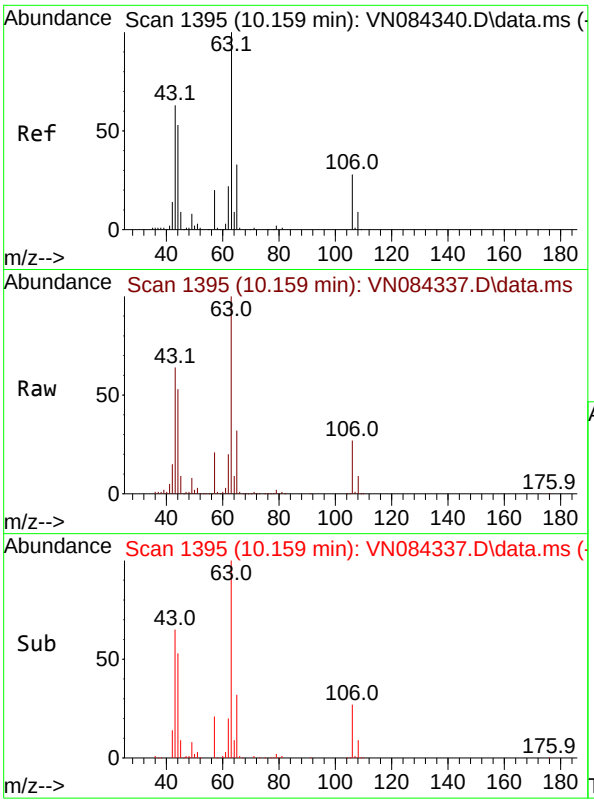


#54
1,2-Dibromoethane
Concen: 153.033 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:107 Resp: 336624

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.6



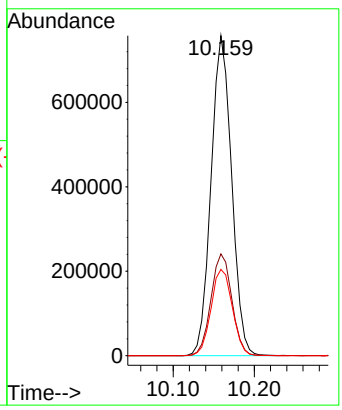


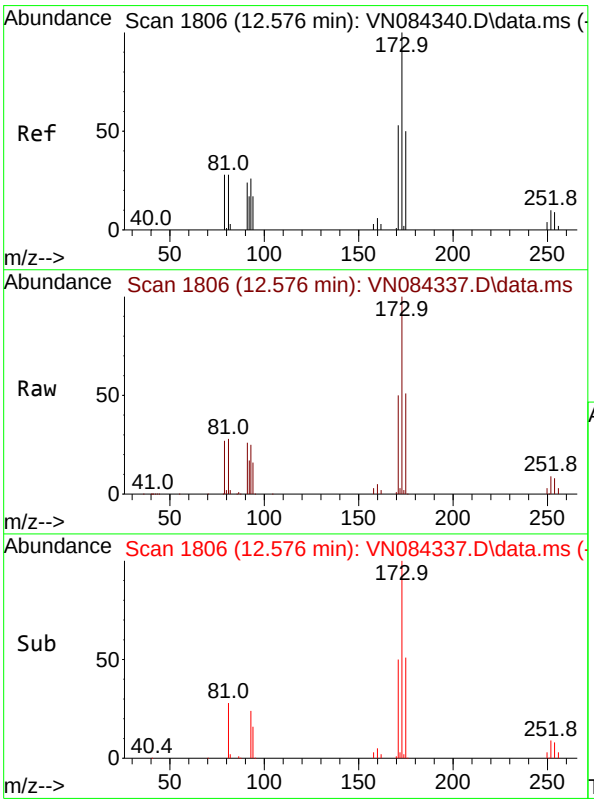
#55
2-Chloroethyl vinyl ether
Concen: 833.093 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 1333727

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	28.0	21.6	32.4

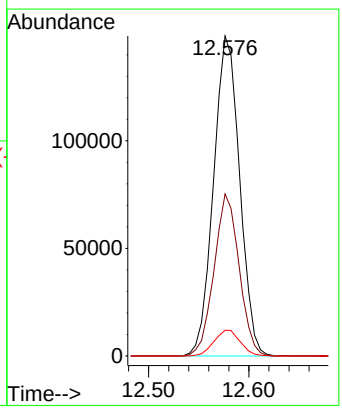


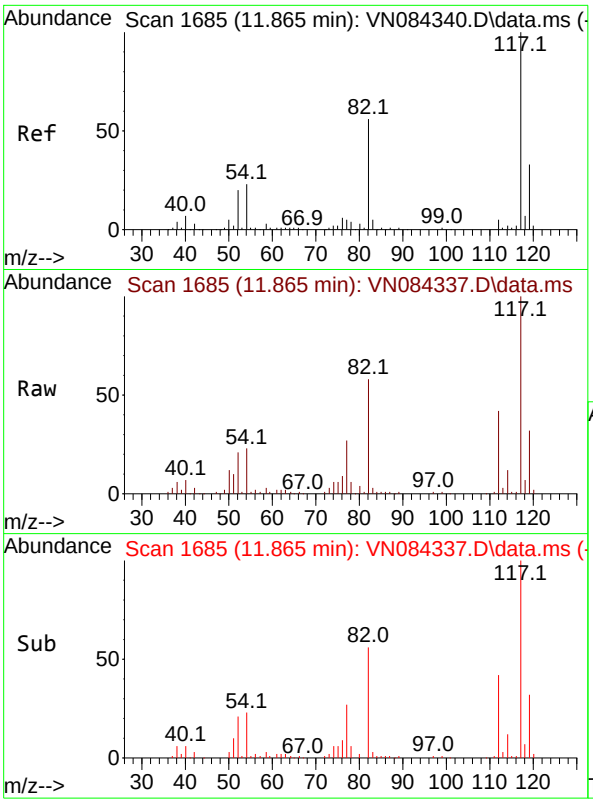


#56
Bromoform
Concen: 160.094 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:173 Resp: 268044

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.2
254	8.1	6.8	10.2



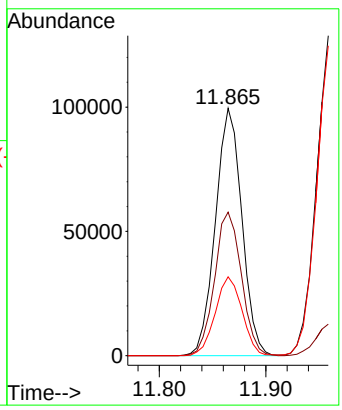


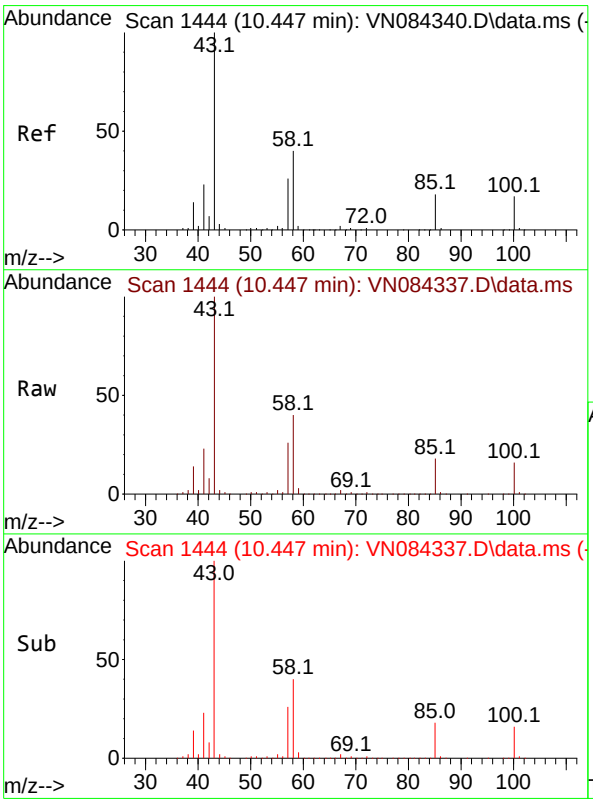
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 171821

Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.2	69.4
119	32.4	25.4	38.2

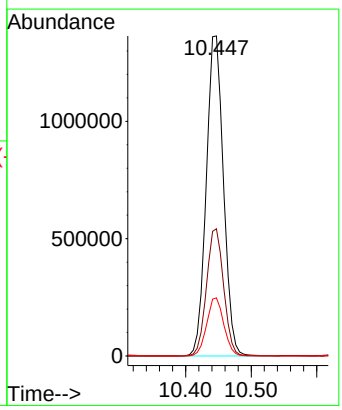


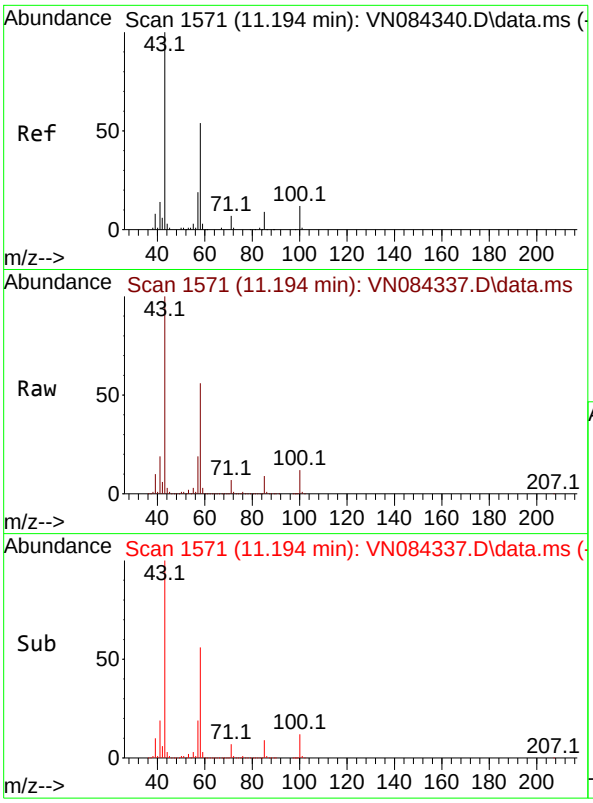


#58
4-Methyl-2-Pentanone
Concen: 778.311 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 43 Resp: 2491181

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9
85	18.0	14.6	22.0



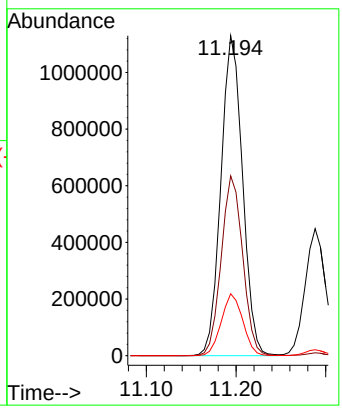


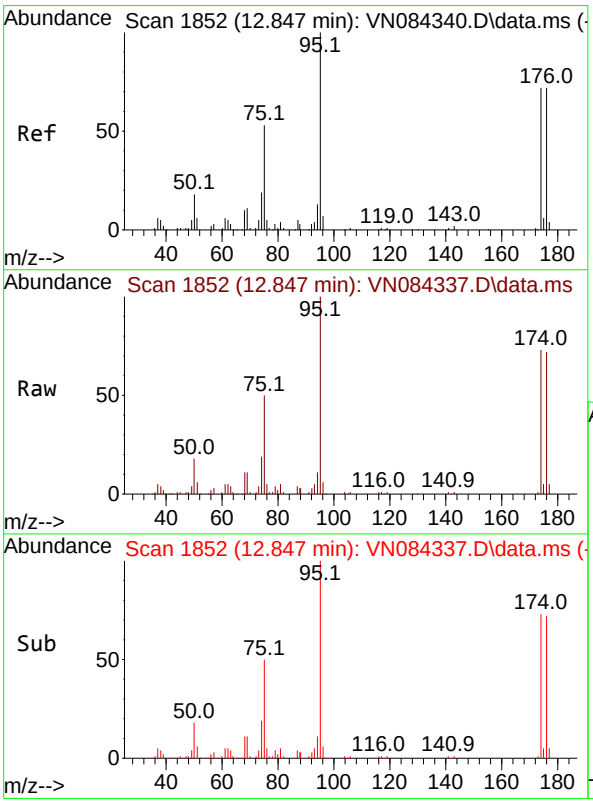
#59
2-Hexanone
Concen: 795.133 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1891152

Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.0	66.0
57	19.3	15.4	23.2

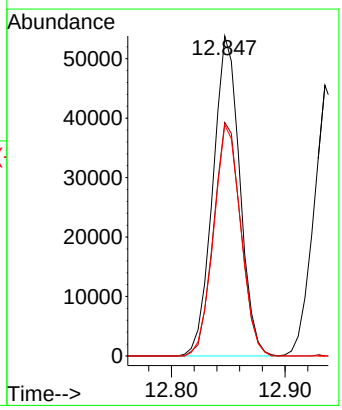


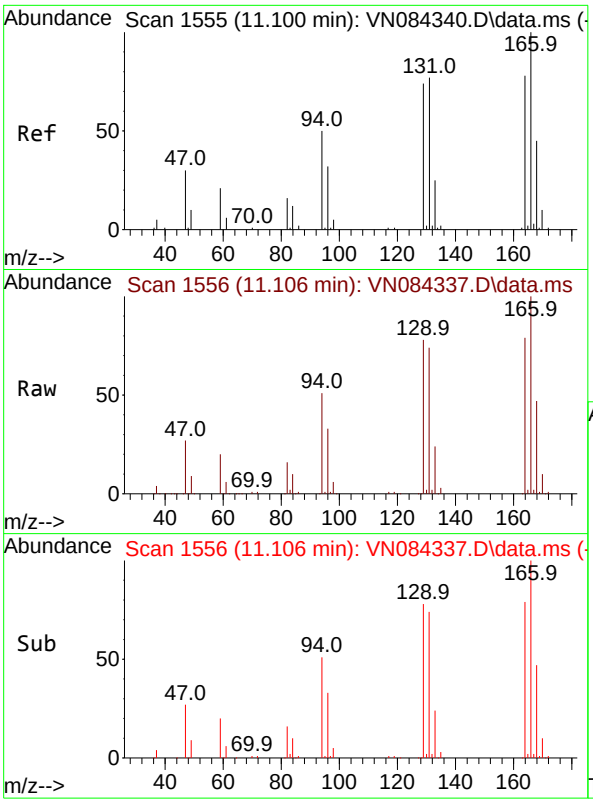


#60
4-Bromofluorobenzene
Concen: 31.155 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 95 Resp: 88349

Ion	Ratio	Lower	Upper
95	100		
174	73.9	58.2	87.2
176	72.8	56.4	84.6



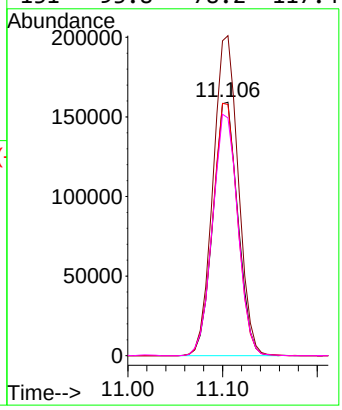


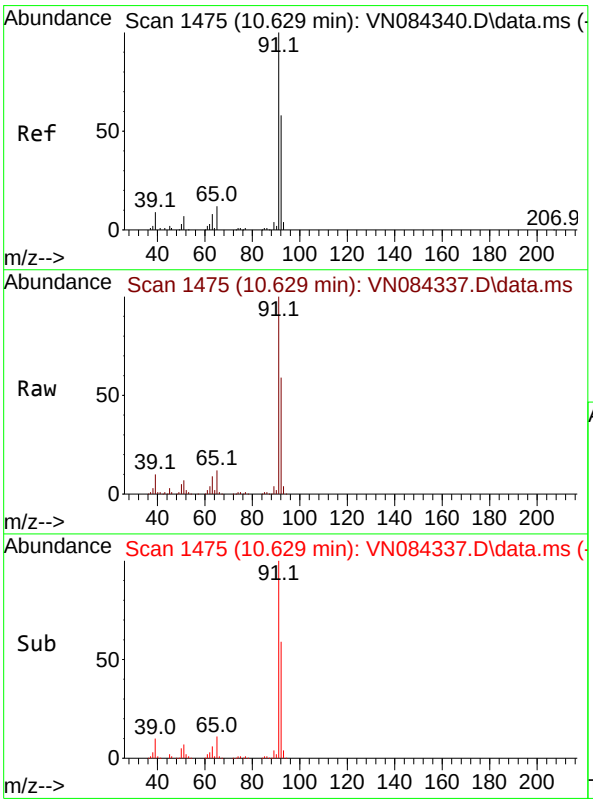
#61
Tetrachloroethene
Concen: 149.507 ug/l
RT: 11.106 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:164 Resp: 290573

Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.5	153.7
129	99.1	75.7	113.5
131	93.8	78.2	117.4

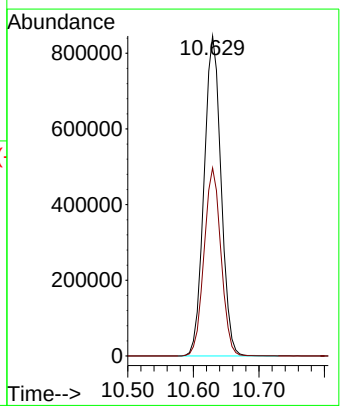


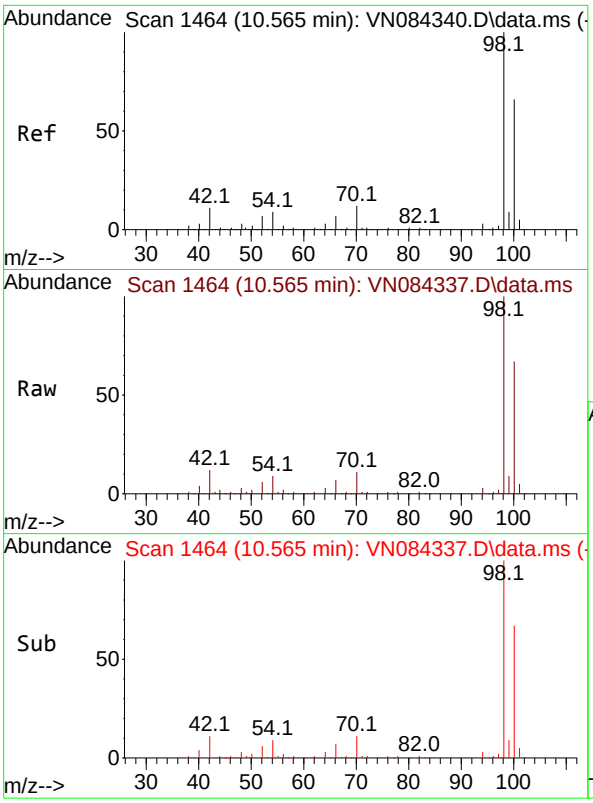


#62
Toluene
Concen: 151.621 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1525116

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.2	70.8



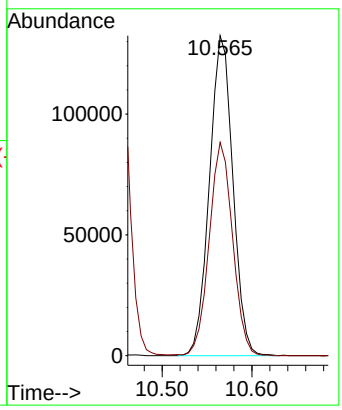


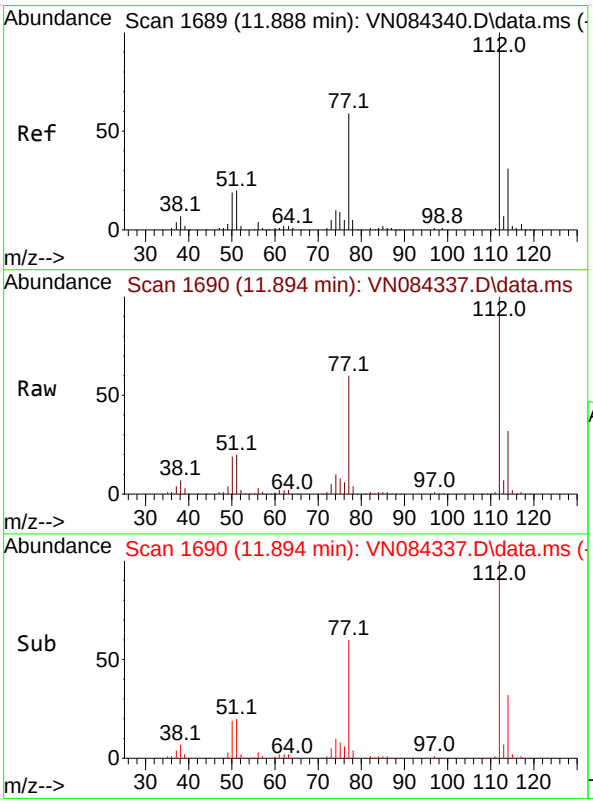
#63
Toluene-d8
Concen: 30.166 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 98 Resp: 240116

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7

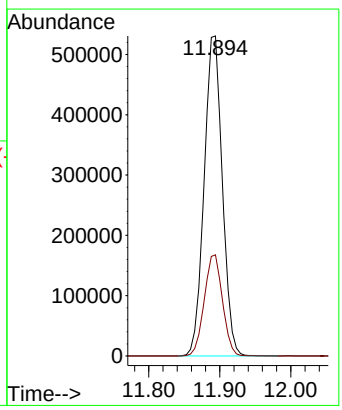


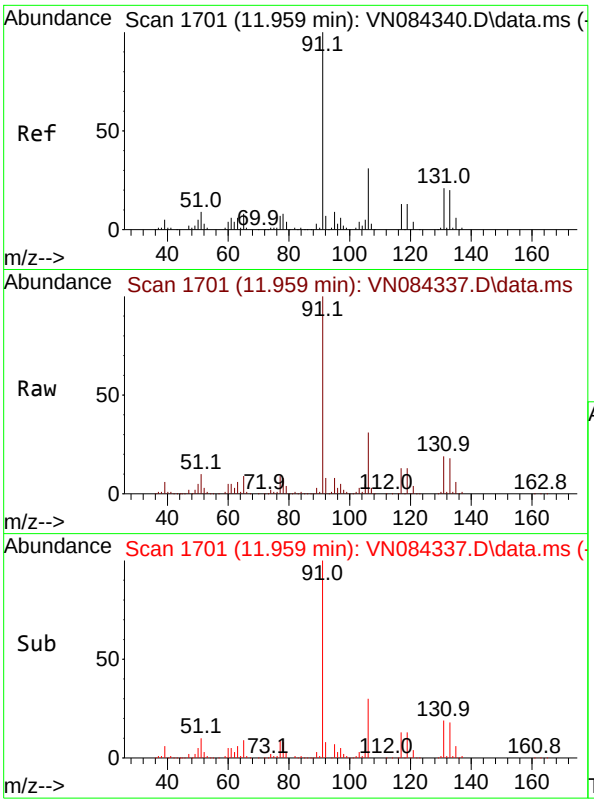


#64
Chlorobenzene
Concen: 151.211 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:112 Resp: 946501

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.1	37.7



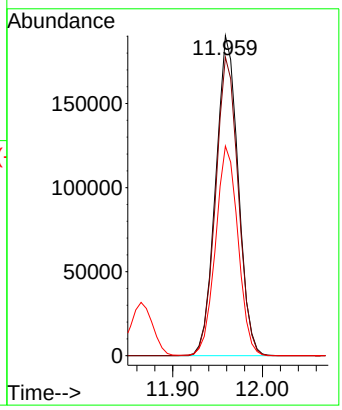


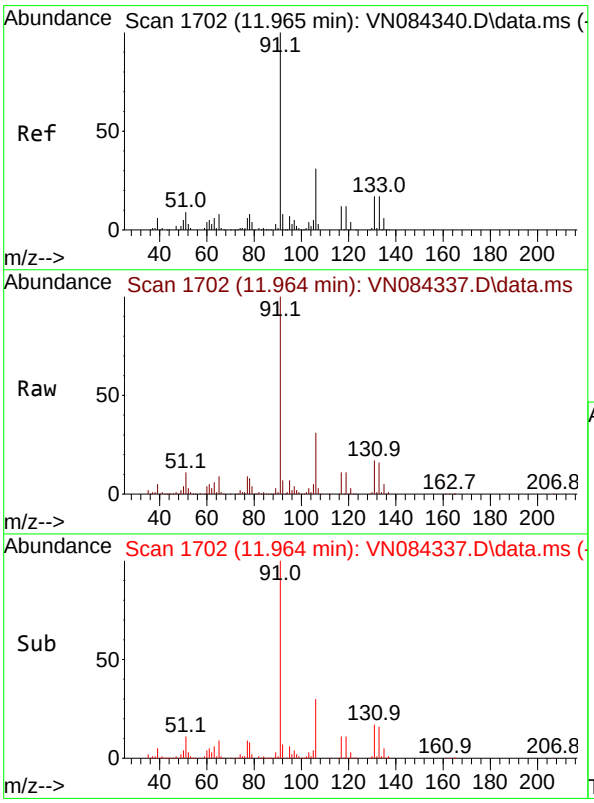
#65
1,1,1,2-Tetrachloroethane
Concen: 152.311 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:131 Resp: 331211

Ion	Ratio	Lower	Upper
131	100		
133	94.0	0.0	190.4
119	65.5	0.0	130.0

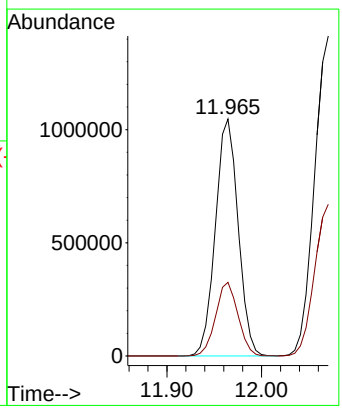


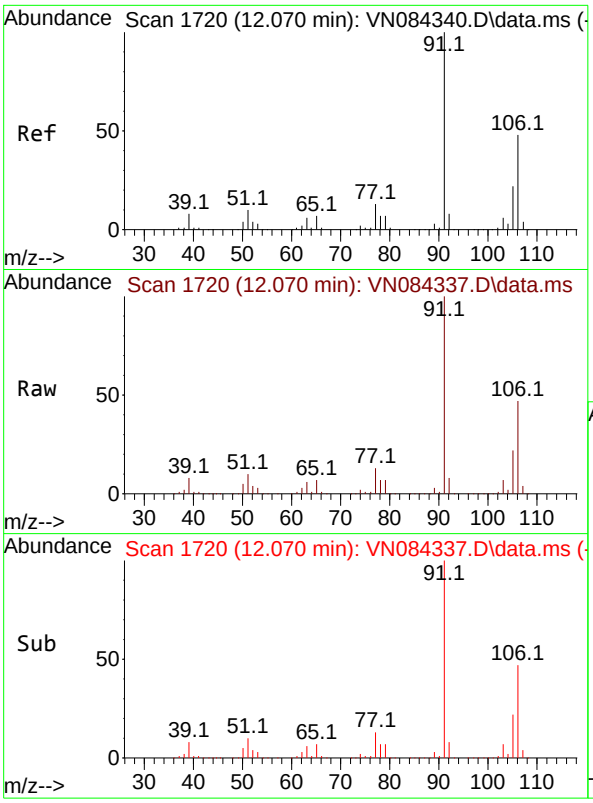


#66
Ethyl Benzene
Concen: 160.094 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1749567

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.2	37.8



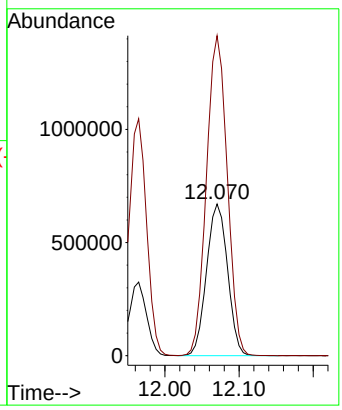


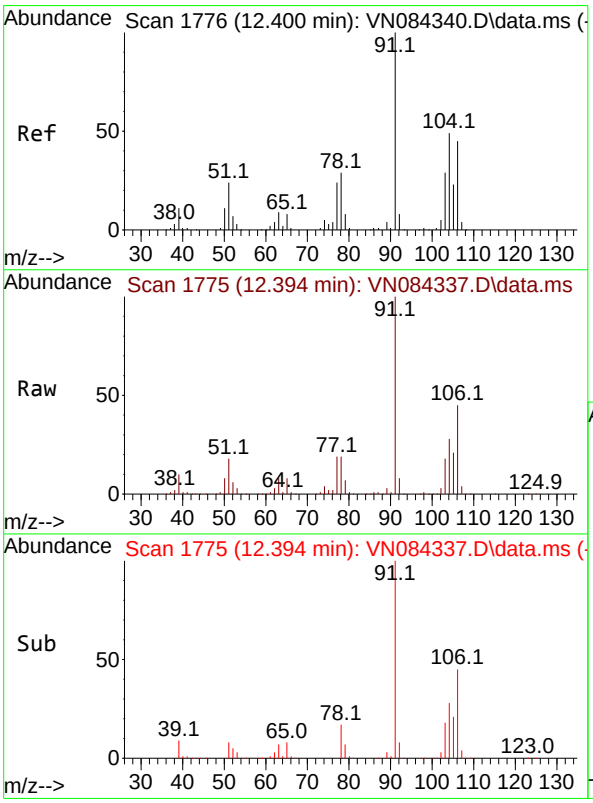
#67
m/p-Xylenes
Concen: 318.270 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 1319448

Ion	Ratio	Lower	Upper
106	100		
91	209.0	166.7	250.1

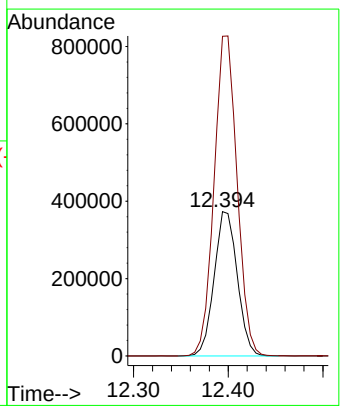


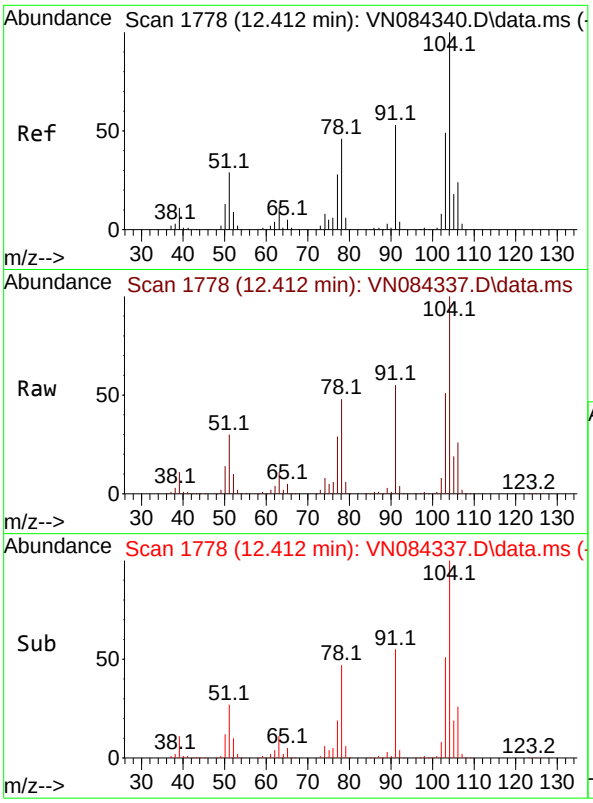


#68
o-Xylene
Concen: 158.611 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:106 Resp: 633813

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.9	332.9



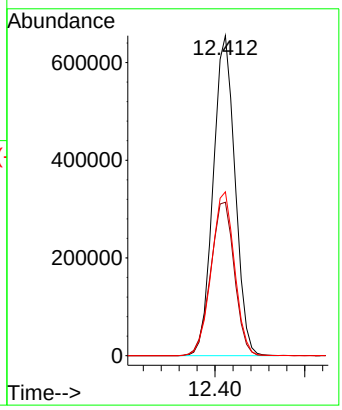


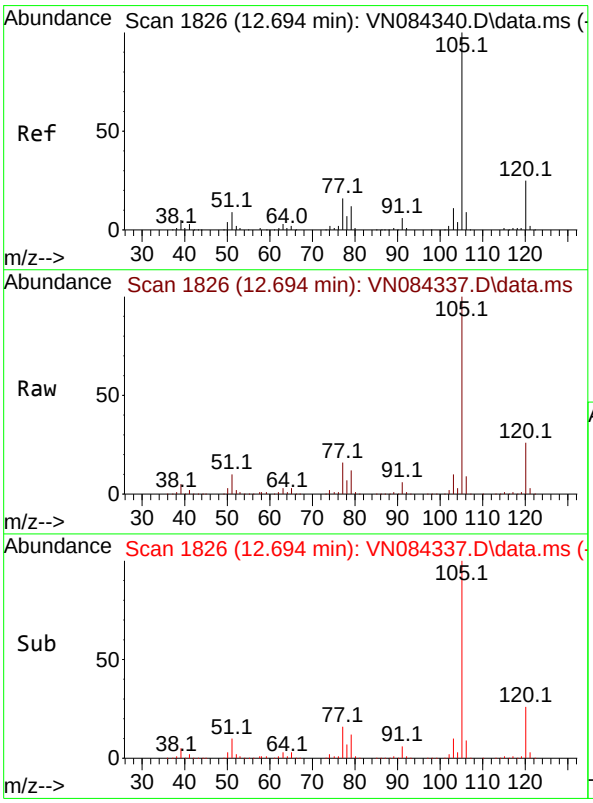
#69
Styrene
Concen: 161.432 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:104 Resp: 1107376

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.6	62.4
103	54.1	44.4	66.6

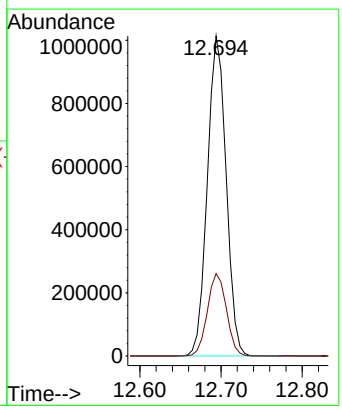


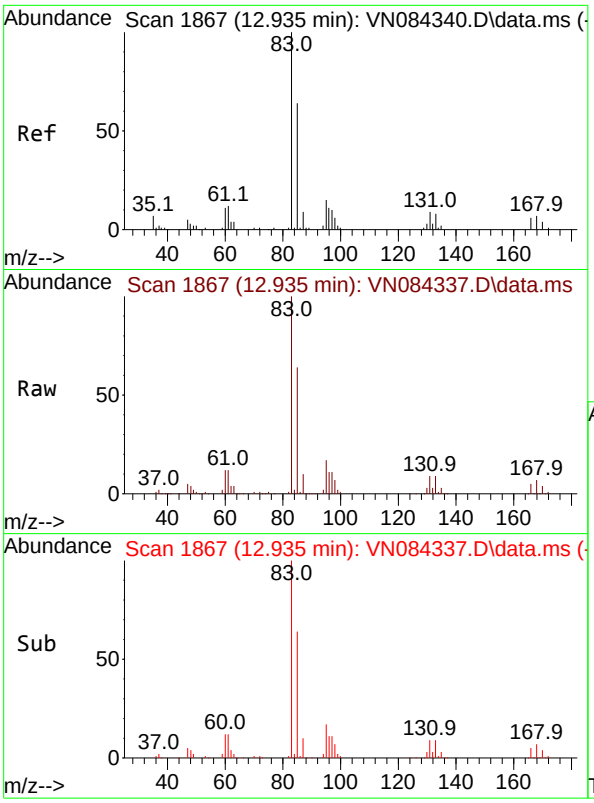


#70
Isopropylbenzene
Concen: 159.320 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1625283

Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.4	32.4



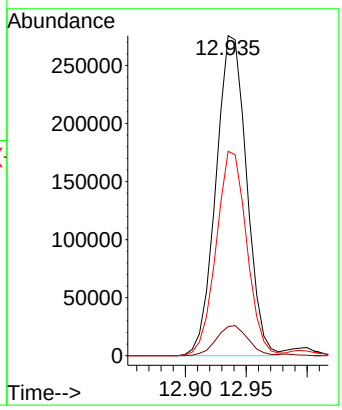


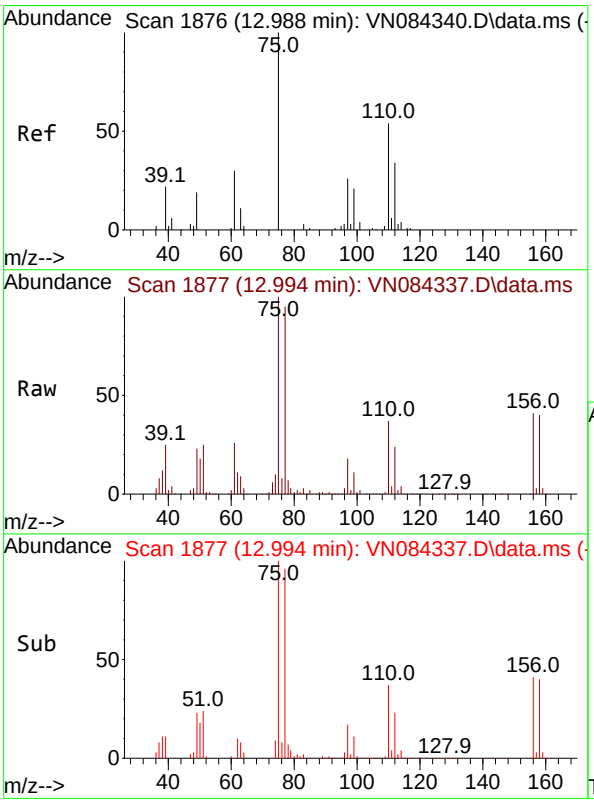
#71
1,1,2,2-Tetrachloroethane
Concen: 153.053 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 483003

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	63.6	32.0	96.2

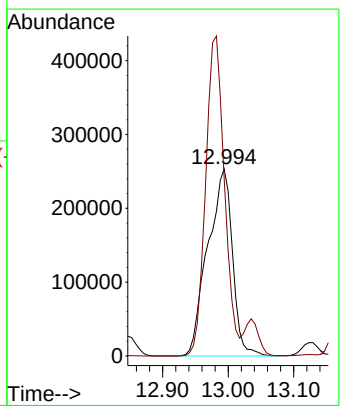


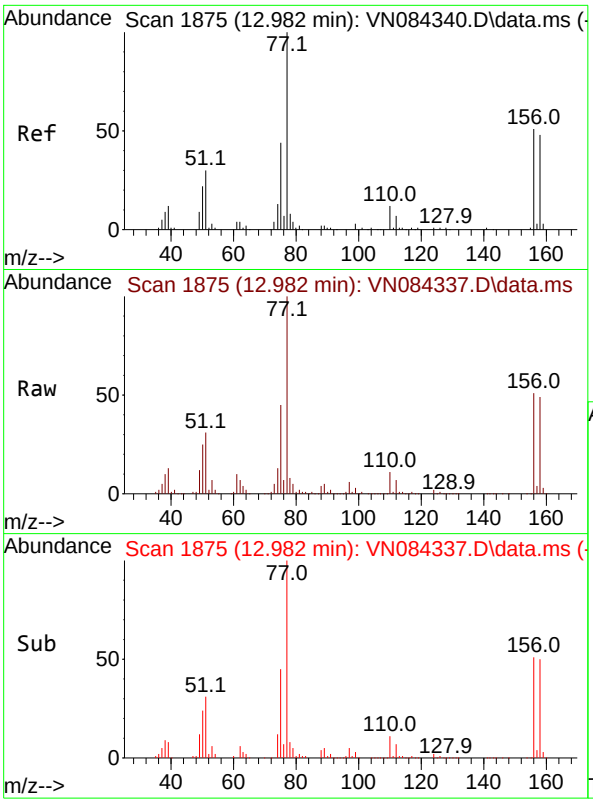


#72
1,2,3-Trichloropropane
Concen: 245.343 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 662180

Ion	Ratio	Lower	Upper
75	100		
77	130.8	0.0	414.0



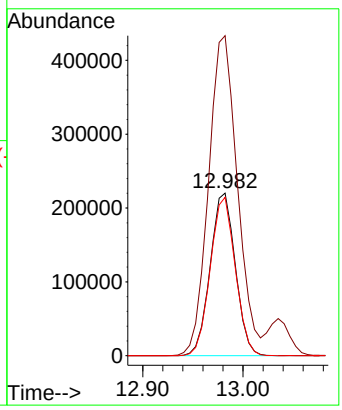


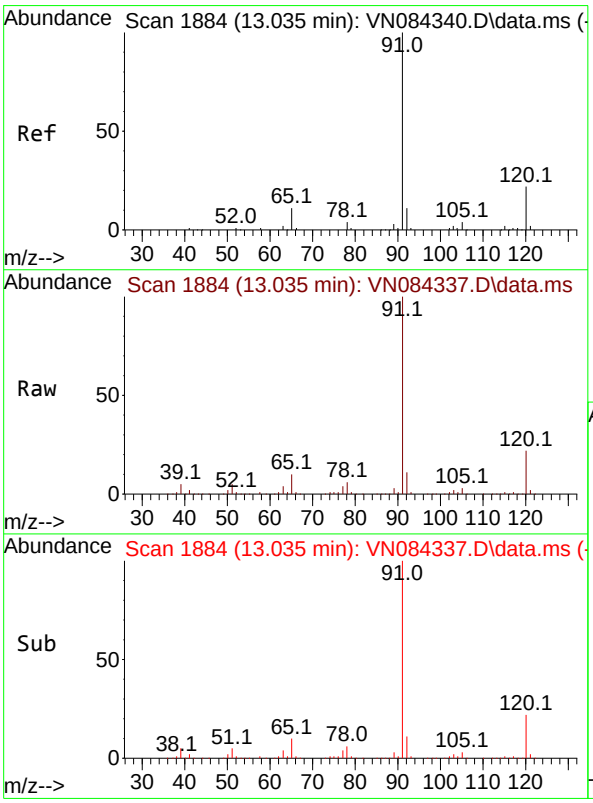
#73
Bromobenzene
Concen: 155.148 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 383306

Ion	Ratio	Lower	Upper
156	100		
77	226.0	0.0	451.0
158	96.9	0.0	194.6

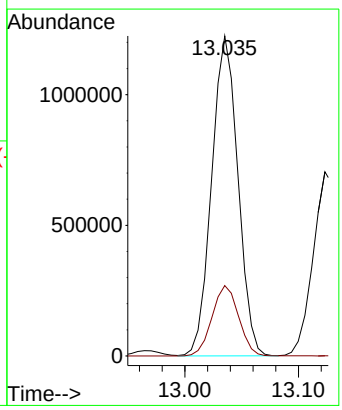


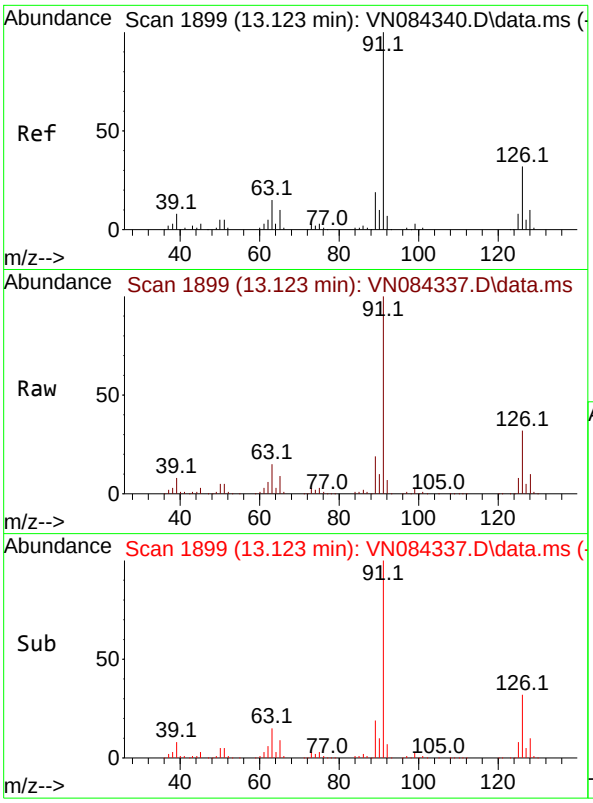


#74
n-propylbenzene
Concen: 161.778 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1966655

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.2



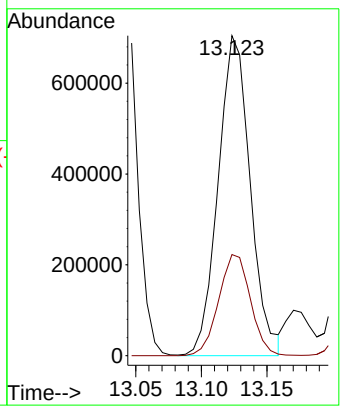


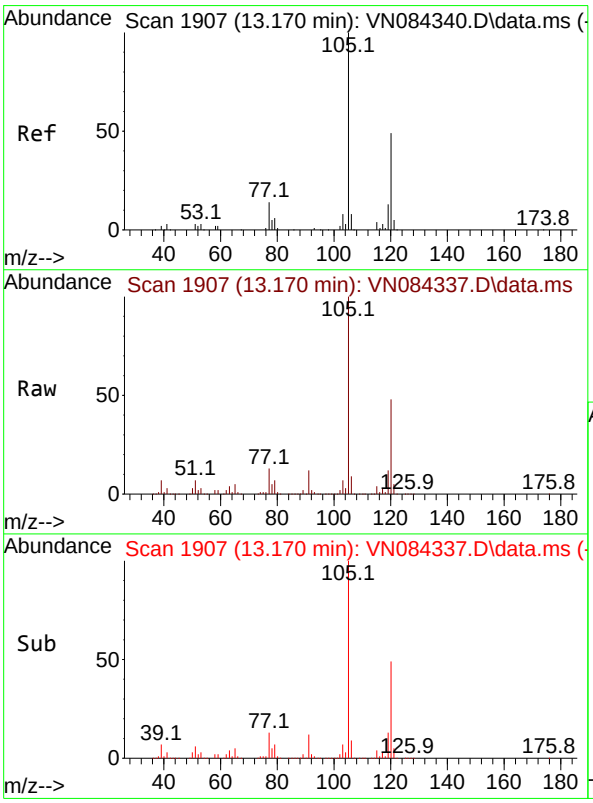
#75
2-Chlorotoluene
Concen: 158.816 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1199693

Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	64.0

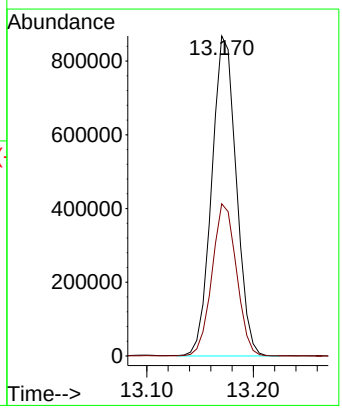


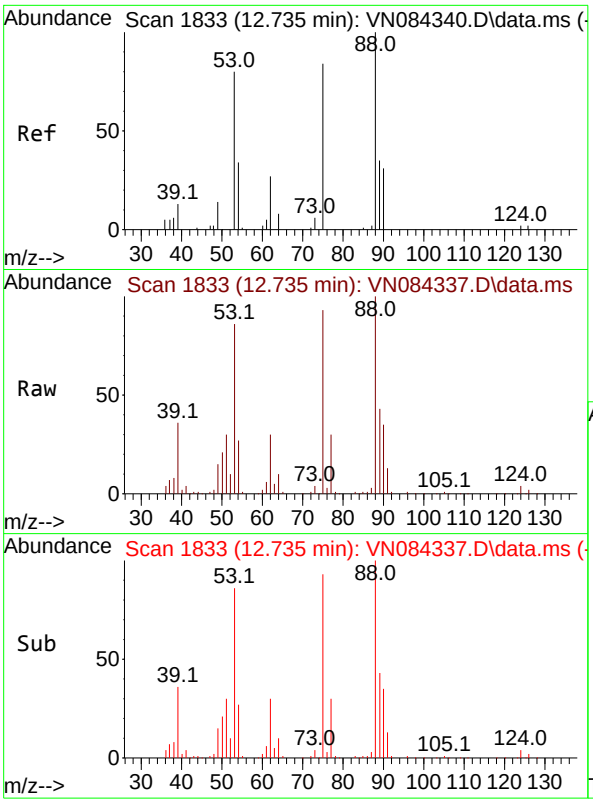


#76
1,3,5-Trimethylbenzene
Concen: 161.447 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1386742

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.4



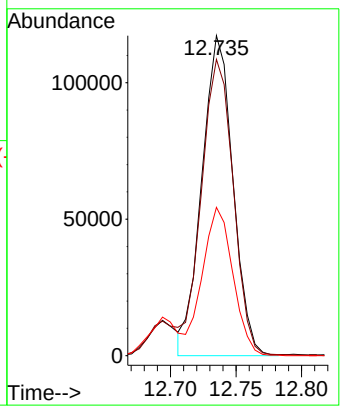


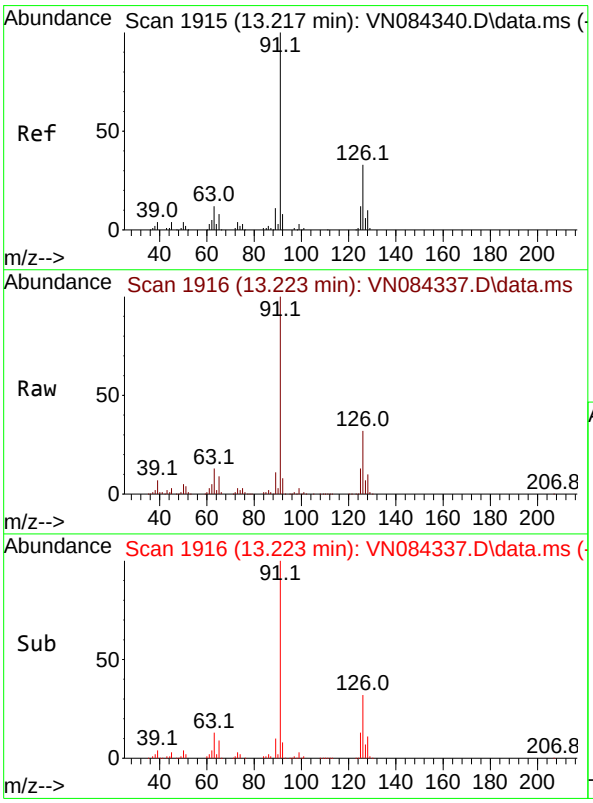
#77
t-1,4-Dichloro-2-butene
Concen: 167.468 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 193413

Ion	Ratio	Lower	Upper
75	100		
53	92.6	47.3	142.0
89	46.4	22.9	68.8

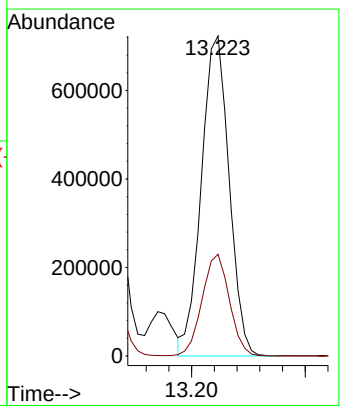


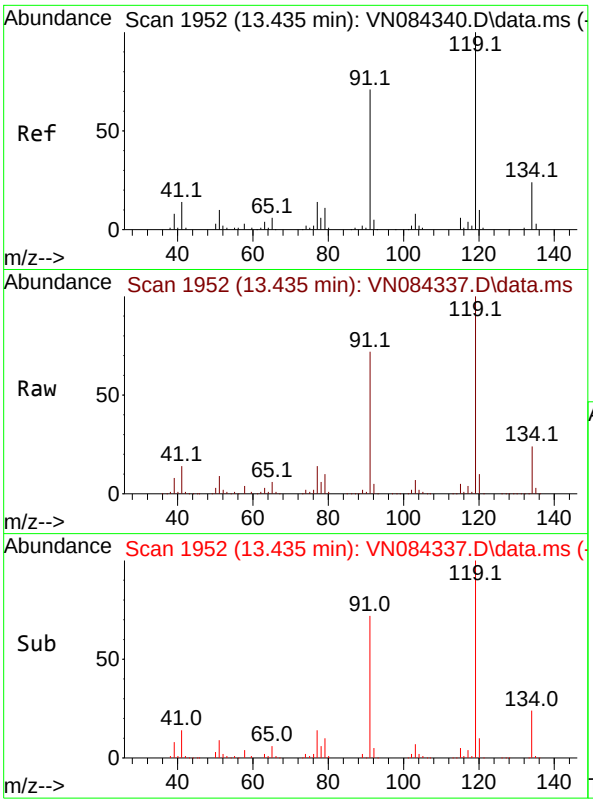


#78
4-Chlorotoluene
Concen: 159.769 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 91 Resp: 1227049

Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	62.4



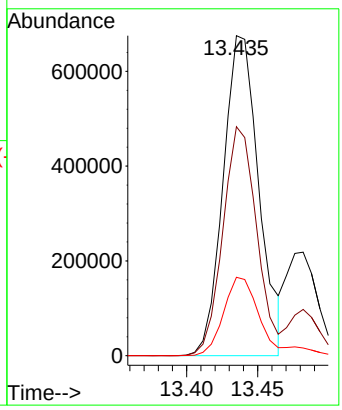


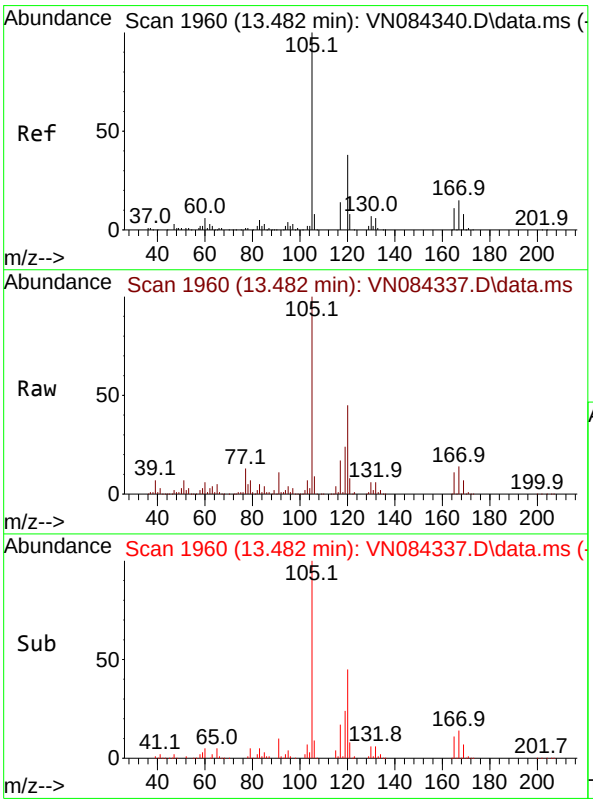
#79
tert-butylbenzene
Concen: 161.368 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1182498

Ion	Ratio	Lower	Upper
119	100		
91	67.9	0.0	138.0
134	23.5	0.0	48.8

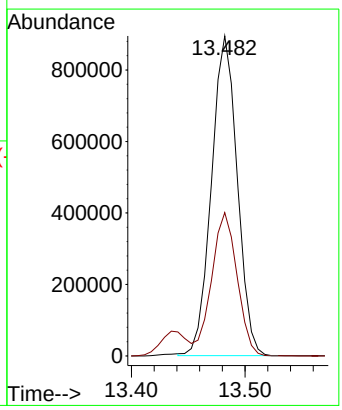


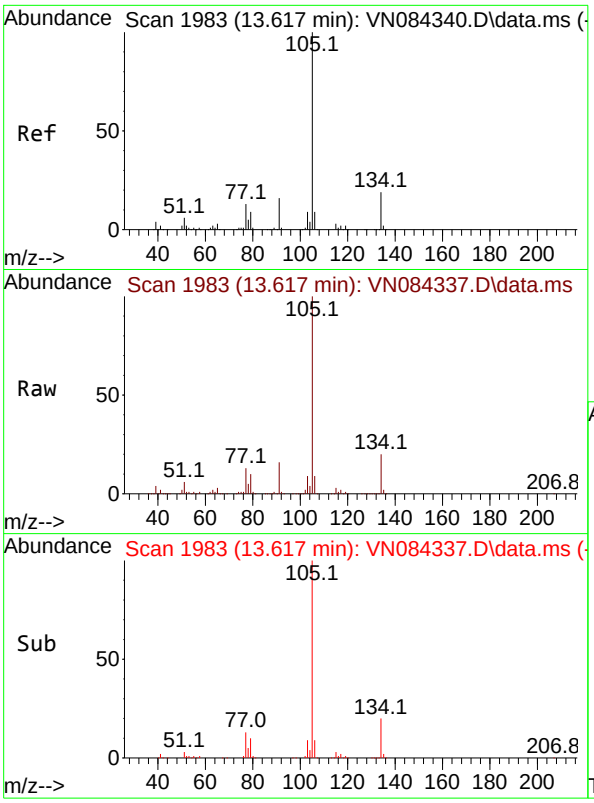


#80
1,2,4-Trimethylbenzene
Concen: 161.849 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:105 Resp: 1410559

Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	88.8



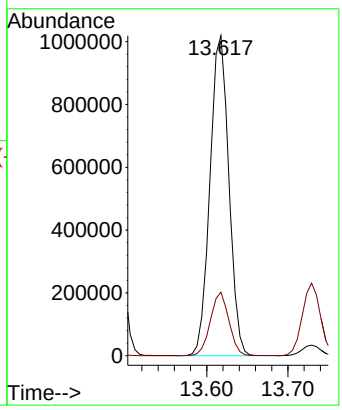


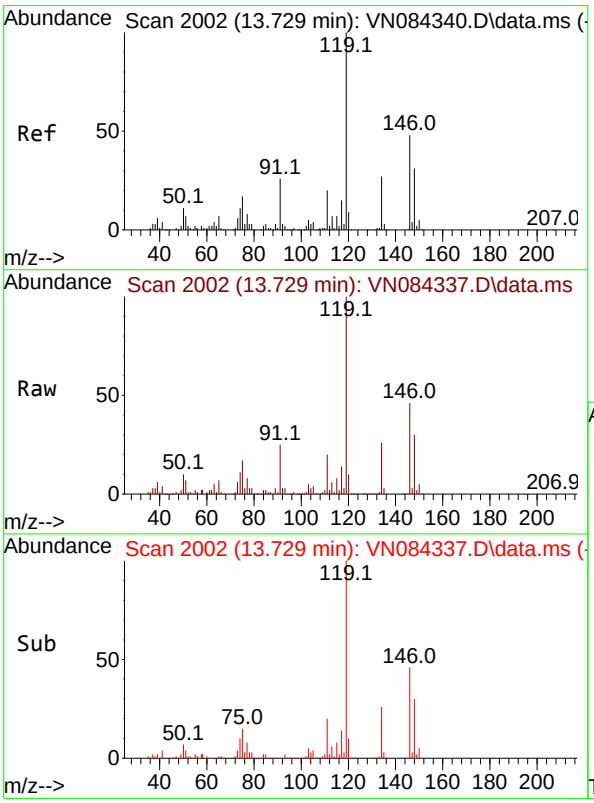
#81
sec-Butylbenzene
Concen: 162.908 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1643555

Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.0

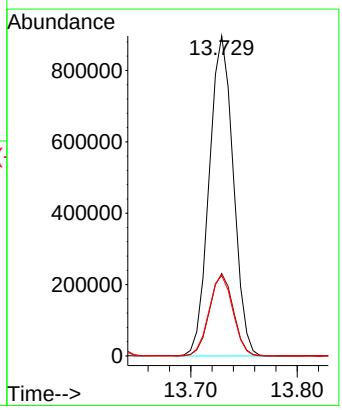


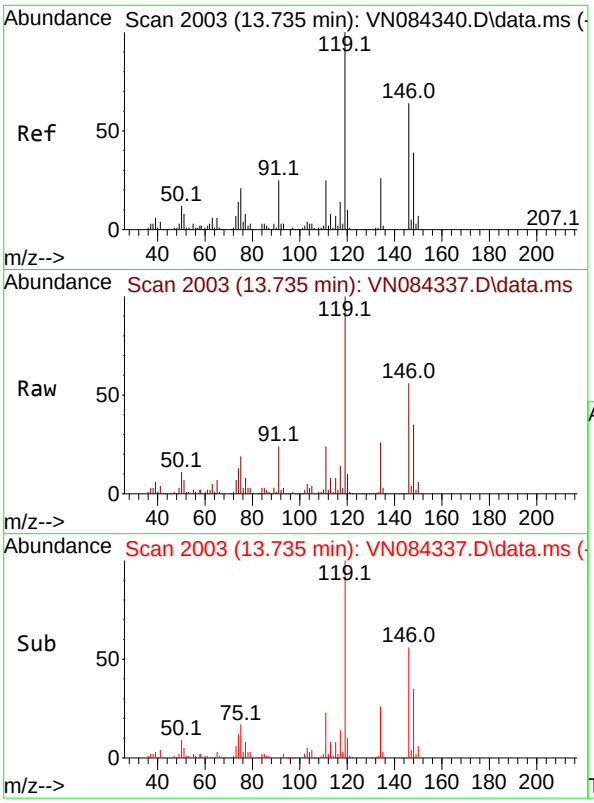


#82
p-Isopropyltoluene
Concen: 165.992 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:119 Resp: 1409541

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	50.2
91	25.0	0.0	50.6



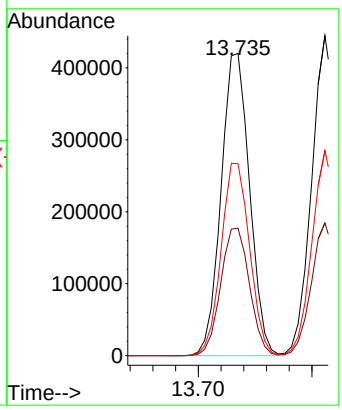


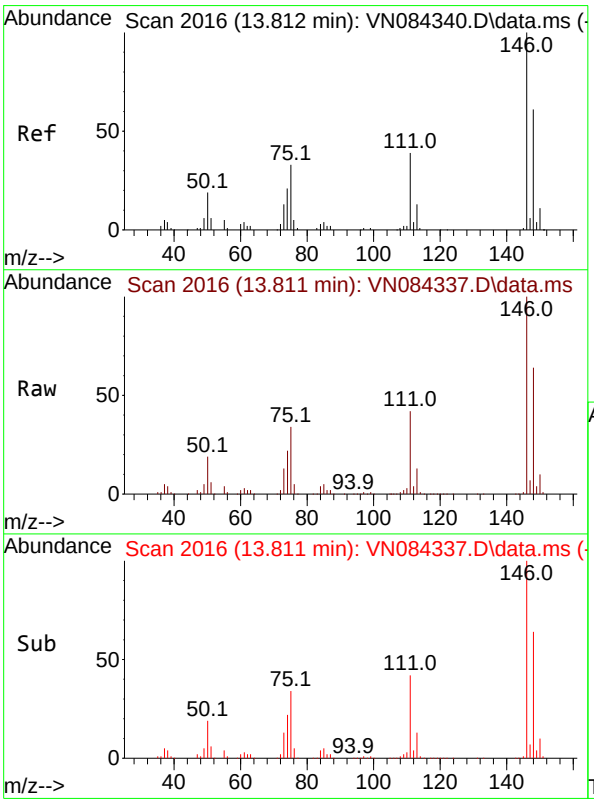
#83
1,3-Dichlorobenzene
Concen: 159.183 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 731253

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.6	61.9
148	63.7	31.6	94.7

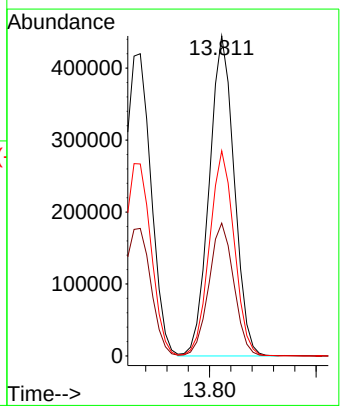


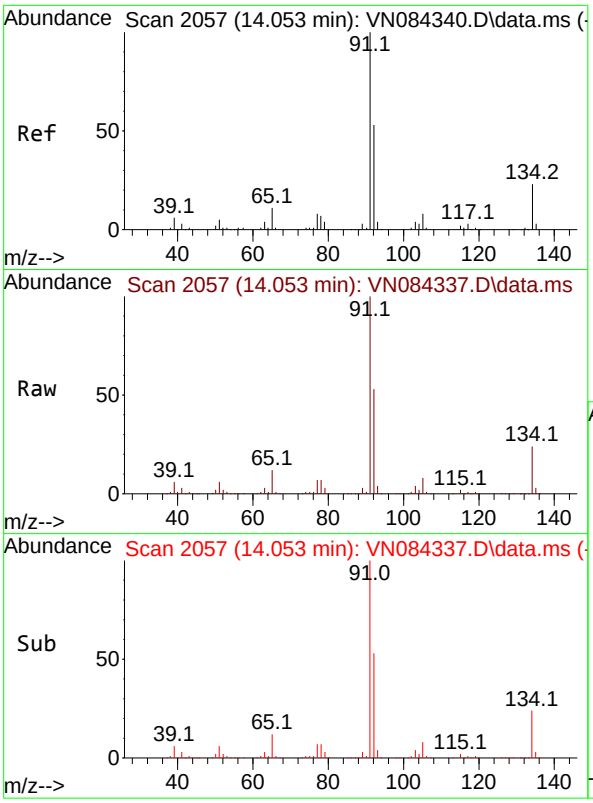


#84
1,4-Dichlorobenzene
Concen: 158.652 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:146 Resp: 723724

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.3	32.5	97.4



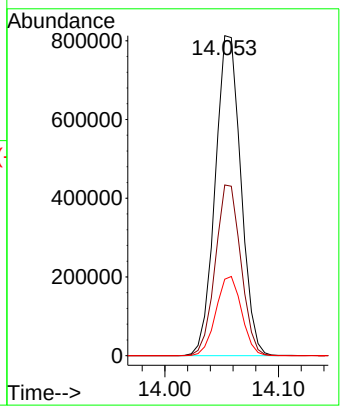


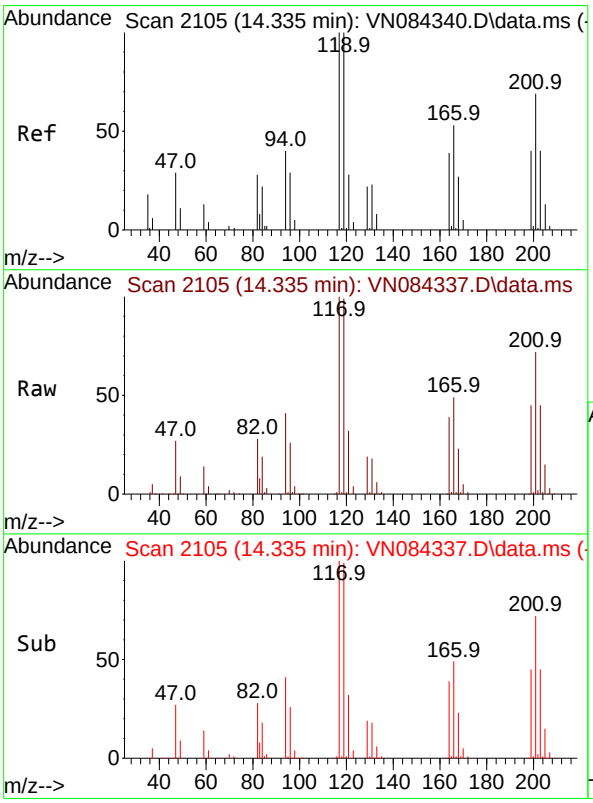
#85
n-Butylbenzene
Concen: 173.335 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1274832

Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	103.4
134	24.8	0.0	48.0

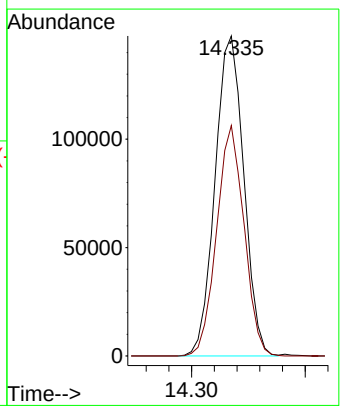


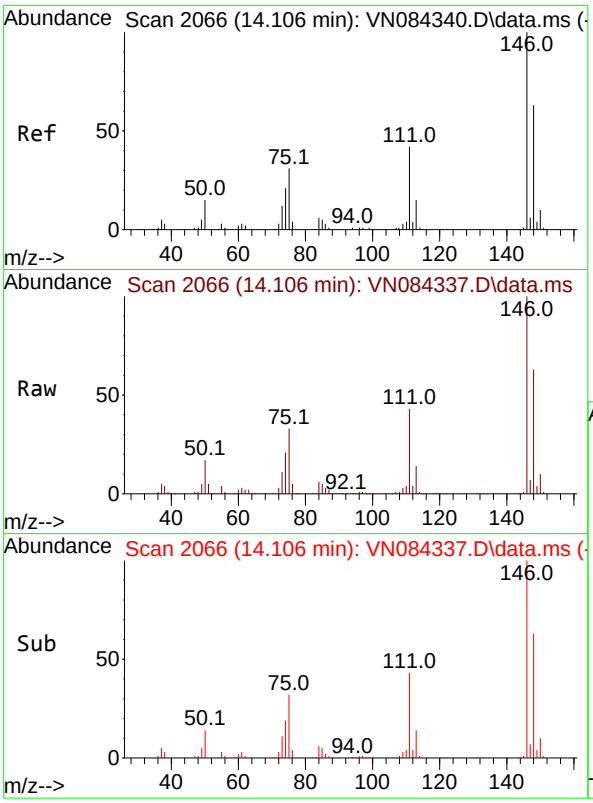


#86
Hexachloroethane
Concen: 158.553 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:117 Resp: 259393

Ion	Ratio	Lower	Upper
117	100		
201	68.7	33.9	101.6



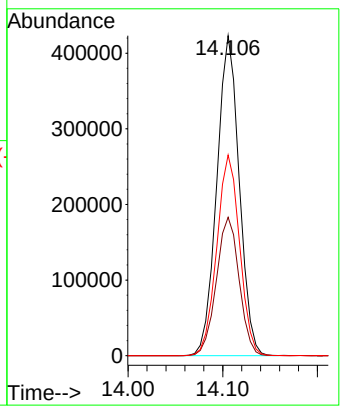


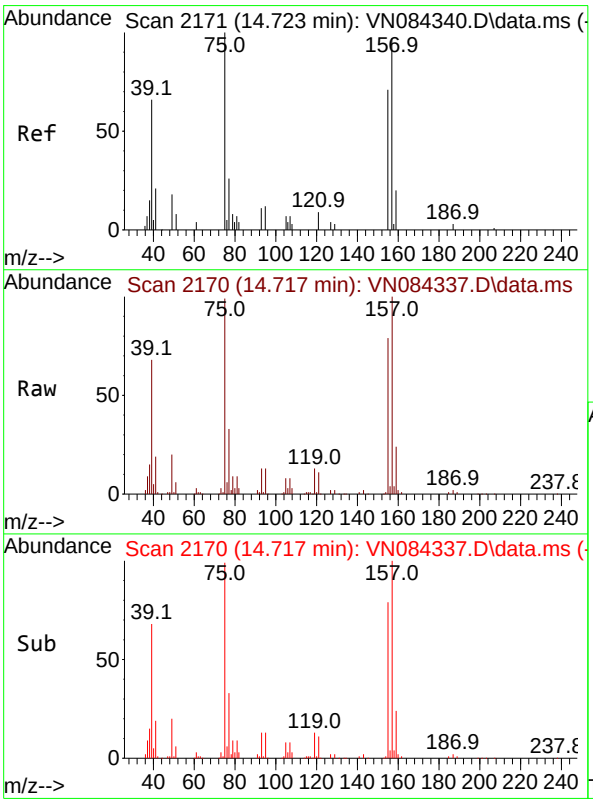
#87
1,2-Dichlorobenzene
Concen: 156.847 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 696639

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.5
148	63.8	31.1	93.5

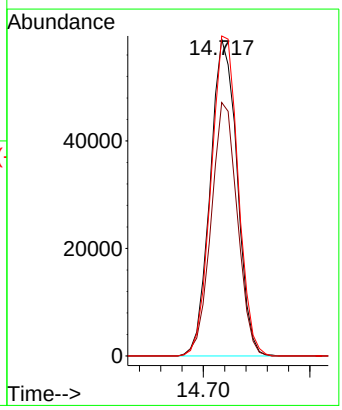


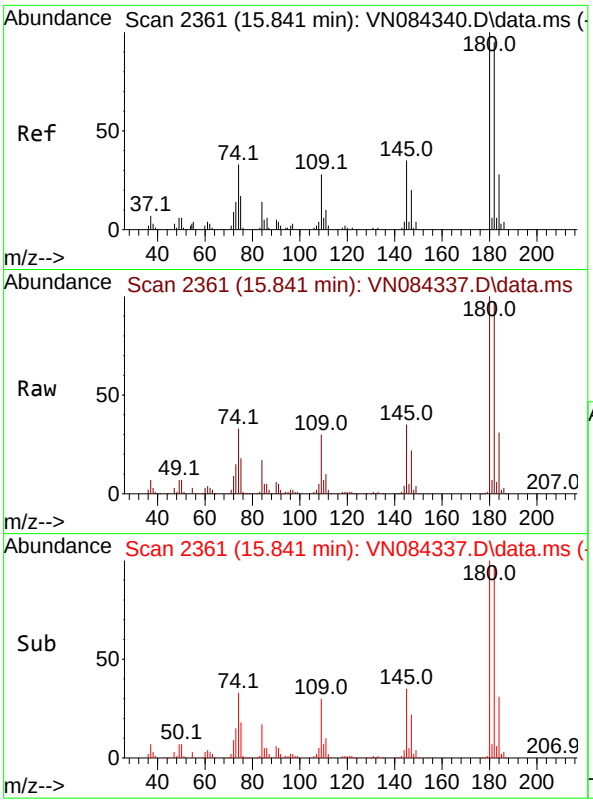


#88
1,2-Dibromo-3-Chloropropane
Concen: 159.510 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion: 75 Resp: 102940

Ion	Ratio	Lower	Upper
75	100		
155	78.1	61.8	92.8
157	101.7	77.4	116.0



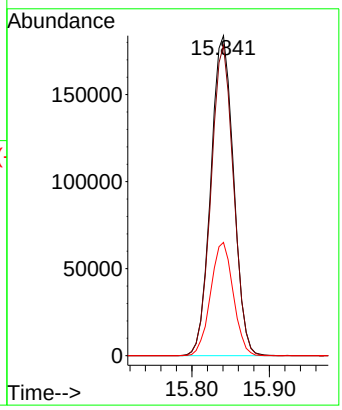


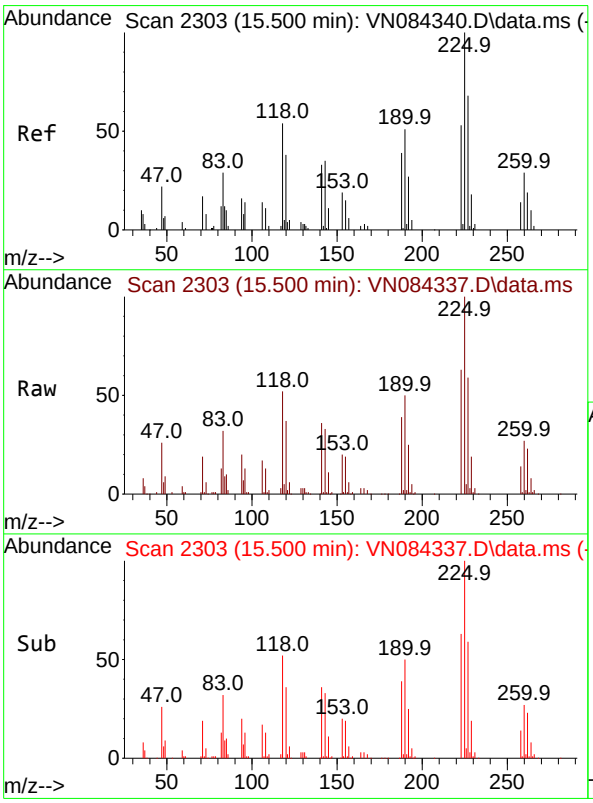
#89
1,2,4-Trichlorobenzene
Concen: 162.329 ug/l
RT: 15.841 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 374861

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.6
145	35.2	28.9	43.3

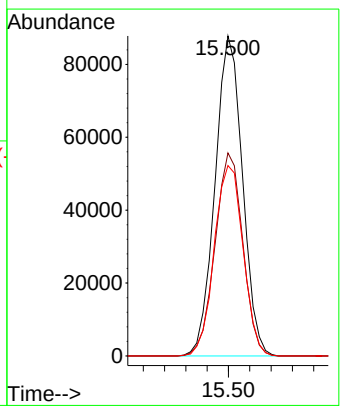


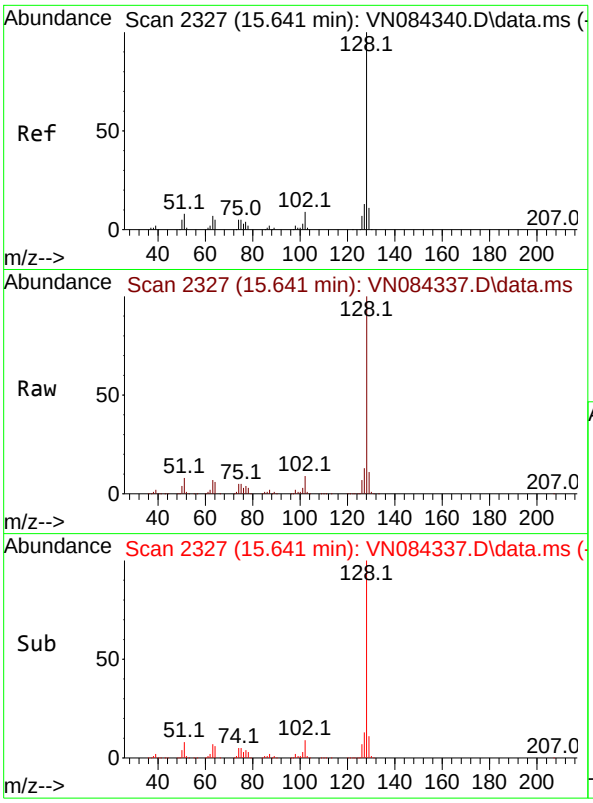


#90
Hexachlorobutadiene
Concen: 147.184 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:225 Resp: 157242

Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	124.0
227	62.5	0.0	130.8



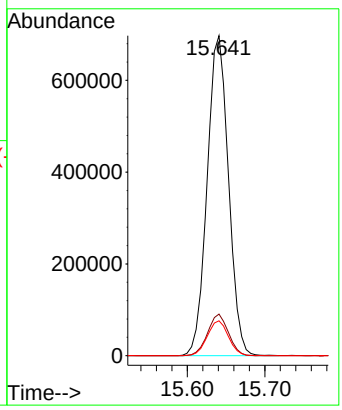


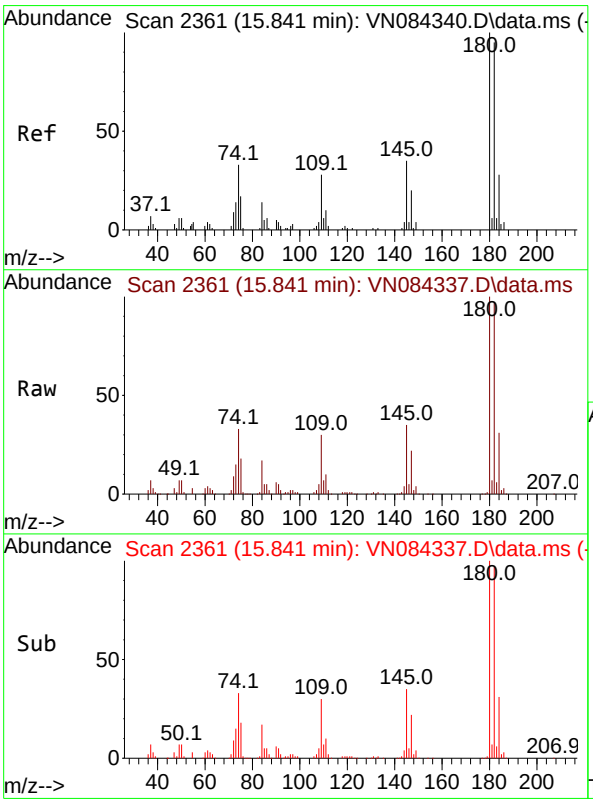
#91
Naphthalene
Concen: 170.565 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1334733

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.8	13.2

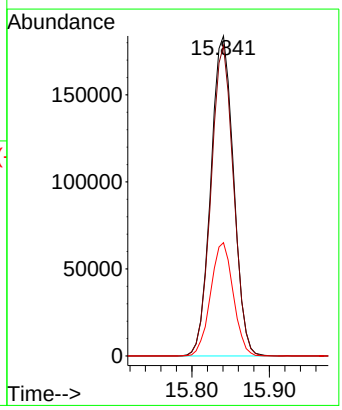




#92
1,2,3-Trichlorobenzene
Concen: 162.329 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN084337.D
Acq: 08 Oct 2024 09:43

Tgt Ion:180 Resp: 374861

Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	194.4
145	35.2	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084338.D
Acq On : 08 Oct 2024 10:07
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 09 02:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	35068	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	190456	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	179975	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84835	30.048	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%			
60) 4-Bromofluorobenzene	12.847	95	91083	30.664	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.200%			
63) Toluene-d8	10.565	98	247263	29.656	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.867%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	205380	95.924	ug/l	97
3) Chloromethane	2.359	50	238067	97.710	ug/l	99
4) Vinyl Chloride	2.512	62	232167	97.168	ug/l	98
5) Bromomethane	2.930	94	144198	91.091	ug/l	97
6) Chloroethane	3.106	64	140802	89.888	ug/l	97
7) Trichlorofluoromethane	3.489	101	379462	97.500	ug/l	92
8) Diethyl Ether	3.959	74	141064	98.586	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	213828	97.714	ug/l	99
10) 1,1-Dichloroethene	4.336	96	214197	98.097	ug/l	93
11) Methyl Iodide	4.583	142	286385	99.804	ug/l	99
12) Methyl Acetate	5.024	43	276654	101.206	ug/l	100
13) Acrolein	4.177	56	263202	518.323	ug/l	99
14) Acrylonitrile	5.712	53	599763	488.367	ug/l	98
15) Acetone	4.424	58	184044	524.611	ug/l	93
16) Carbon Disulfide	4.706	76	615999	94.737	ug/l	100
17) Allyl chloride	5.018	41	352646	99.630	ug/l	93
18) Methylene Chloride	5.271	84	235470	95.730	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	224774	97.266	ug/l	93
20) Diisopropyl ether	6.671	45	758291	99.640	ug/l	97
21) 1,1-Dichloroethane	6.565	63	420888	96.384	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	261797	97.356	ug/l	98
23) tert-Butyl Alcohol	5.524	59	237527	504.229	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	732699	100.410	ug/l #	85
25) Chloroform	7.965	83	426680	96.476	ug/l	99
26) Cyclohexane	8.253	56	363184	99.442	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	312760	100.036	ug/l	99
30) 2-Butanone	7.483	43	852543	512.158	ug/l	99
31) 2,2-Dichloropropane	7.489	77	370236	100.772	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	399456	99.955	ug/l	99
33) Carbon Tetrachloride	8.359	117	347588	100.397	ug/l	97
34) Benzene	8.606	78	960915	98.185	ug/l	97
35) Methacrylonitrile	7.777	41	188397	106.088	ug/l	97
36) 1,2-Dichloroethane	8.671	62	320751	98.324	ug/l	100
37) Trichloroethene	9.353	130	224110	99.445	ug/l	93
38) Methylcyclohexane	9.600	83	359108	104.567	ug/l	99
39) 1,2-Dichloropropane	9.618	63	235798	98.802	ug/l	98
40) Dibromomethane	9.706	93	163396	97.960	ug/l	98
41) Bromodichloromethane	9.888	83	350730	99.048	ug/l	92
42) Vinyl Acetate	6.600	43	2998867	517.998	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084338.D
Acq On : 08 Oct 2024 10:07
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 09 02:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

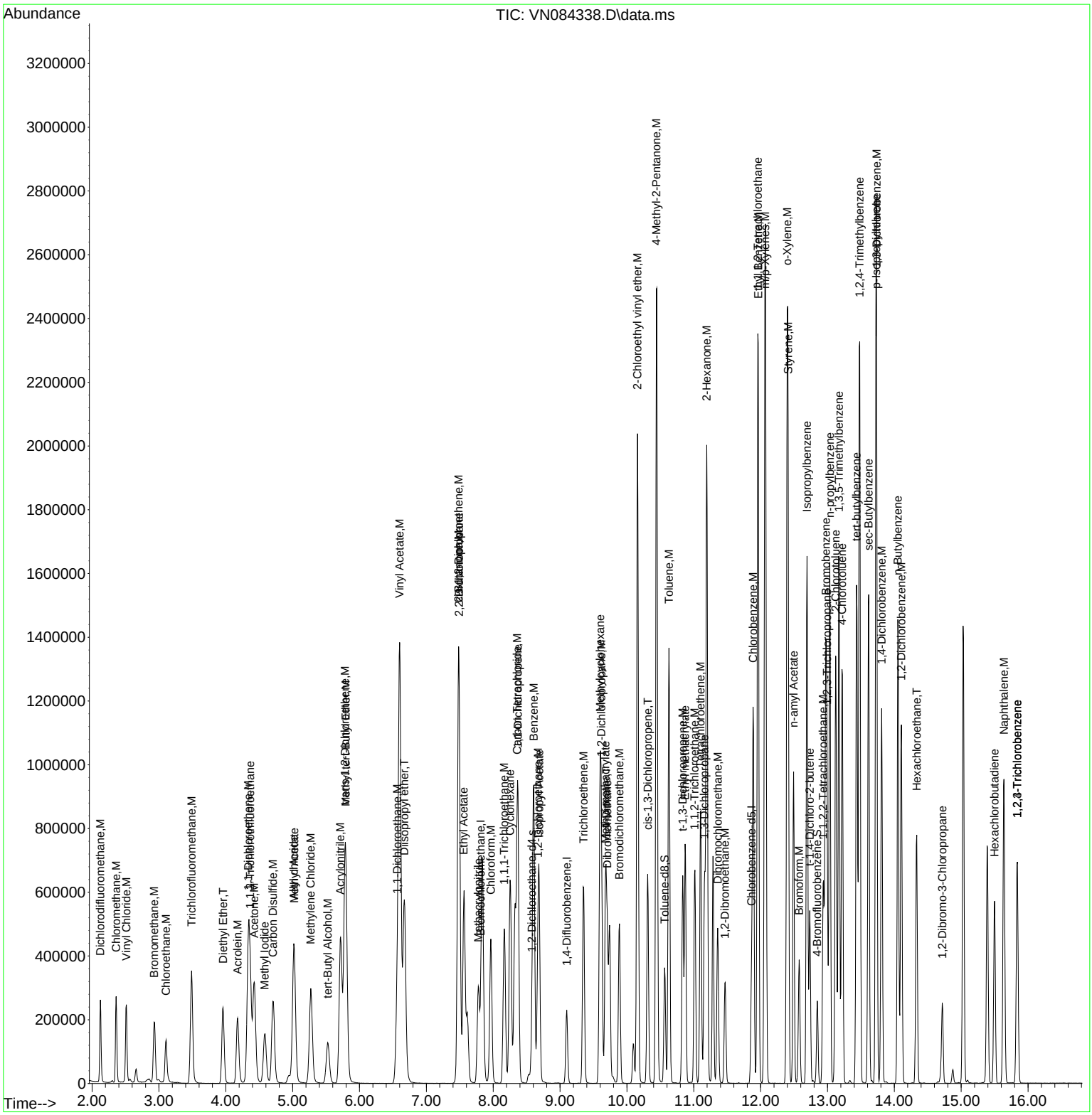
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	337577	102.827	ug/l	97
44) Isopropyl Acetate	8.688	43	553772	103.059	ug/l	99
45) 1,4-Dioxane	9.694	88	102529	2116.681	ug/l	95
46) Methyl methacrylate	9.677	41	266510	102.653	ug/l	99
47) n-amyl Acetate	12.494	43	505509	105.767	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	368556	100.723	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	391167	102.004	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	221414	98.758	ug/l	98
51) Ethyl methacrylate	10.871	69	391063	105.601	ug/l	92
52) 1,3-Dichloropropane	11.159	76	387077	98.740	ug/l	100
53) Dibromochloromethane	11.359	129	264647	99.925	ug/l	99
54) 1,2-Dibromoethane	11.465	107	230529	99.892	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	906371	539.636	ug/l	99
56) Bromoform	12.576	173	181985	103.603	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	1693999	505.272	ug/l	100
59) 2-Hexanone	11.194	43	1283238	515.092	ug/l	99
61) Tetrachloroethene	11.100	164	196676	96.610	ug/l	96
62) Toluene	10.629	91	1038960	98.609	ug/l	99
64) Chlorobenzene	11.888	112	641078	97.777	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	224096	98.384	ug/l	99
66) Ethyl Benzene	11.965	91	1181271	103.195	ug/l	100
67) m/p-Xylenes	12.071	106	878405	202.285	ug/l	99
68) o-Xylene	12.400	106	426068	101.792	ug/l	99
69) Styrene	12.412	104	739030	102.854	ug/l	99
70) Isopropylbenzene	12.694	105	1096352	102.602	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	326404	98.744	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	450285	159.275	ug/l	49
73) Bromobenzene	12.976	156	258761	99.991	ug/l	99
74) n-propylbenzene	13.035	91	1306104	102.573	ug/l	99
75) 2-Chlorotoluene	13.123	91	797168	100.748	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	925442	102.861	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	128080	105.874	ug/l	99
78) 4-Chlorotoluene	13.218	91	811956	100.932	ug/l	99
79) tert-butylbenzene	13.435	119	797890	103.950	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	940023	102.973	ug/l	99
81) sec-Butylbenzene	13.618	105	1098551	103.955	ug/l	99
82) p-Isopropyltoluene	13.729	119	929312	104.480	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	486367	101.078	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	482980	101.080	ug/l	99
85) n-Butylbenzene	14.053	91	822416	106.755	ug/l	97
86) Hexachloroethane	14.335	117	173285	101.121	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	469667	100.954	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	69709	103.123	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	249678	103.221	ug/l	96
90) Hexachlorobutadiene	15.500	225	106287	94.981	ug/l	98
91) Naphthalene	15.641	128	888428	108.388	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	249678	103.221	ug/l	96

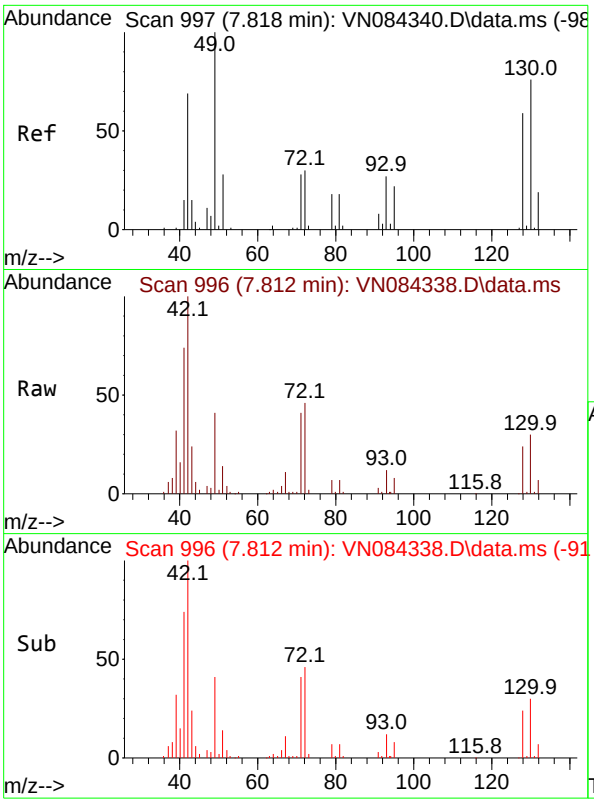
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084338.D
Acq On : 08 Oct 2024 10:07
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 09 02:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration



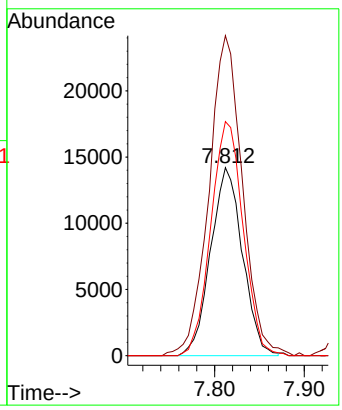


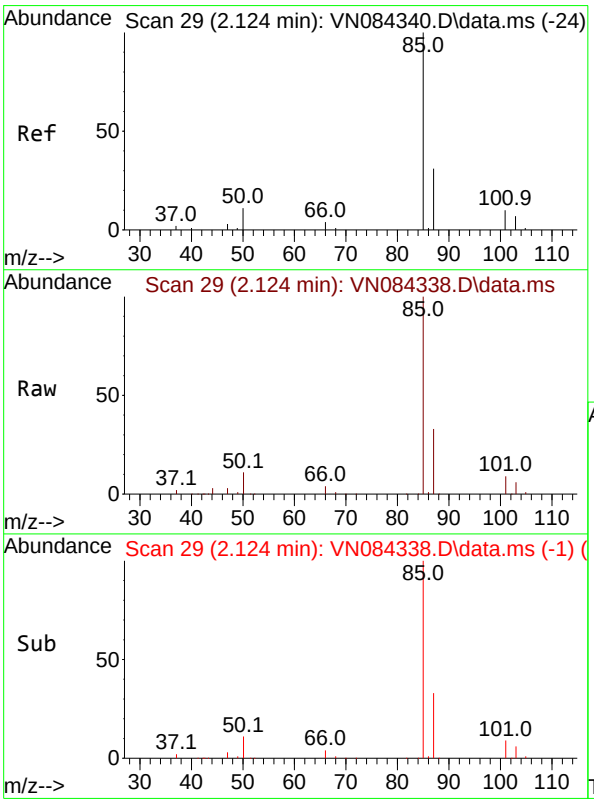
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 35068

Ion	Ratio	Lower	Upper
128	100		
49	178.6	0.0	430.0
130	126.3	0.0	329.8

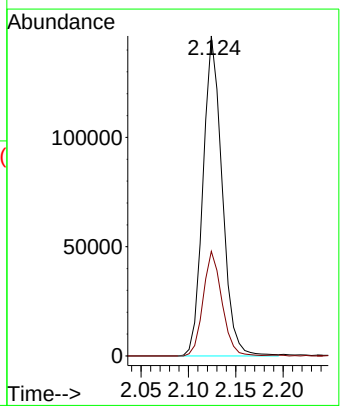


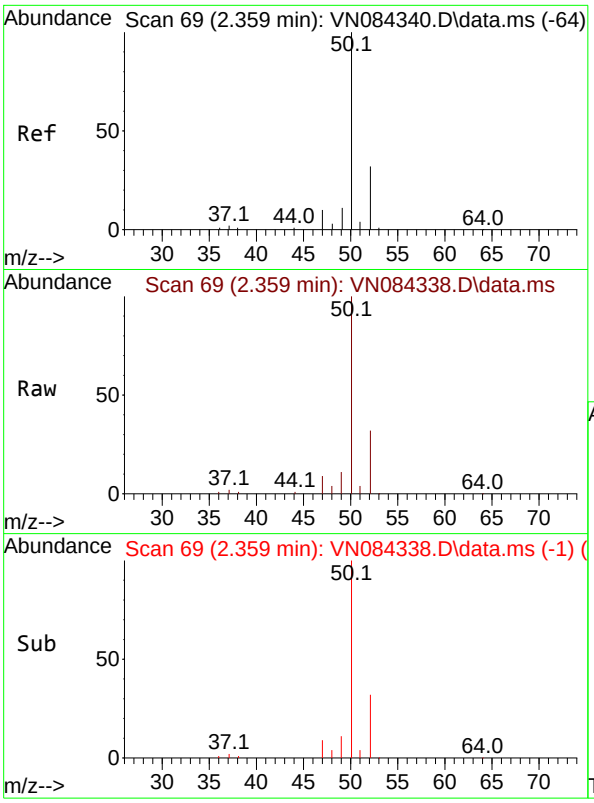


#2
Dichlorodifluoromethane
Concen: 95.924 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 85 Resp: 205380

Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.4	46.4



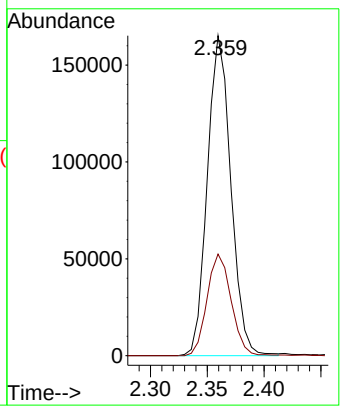


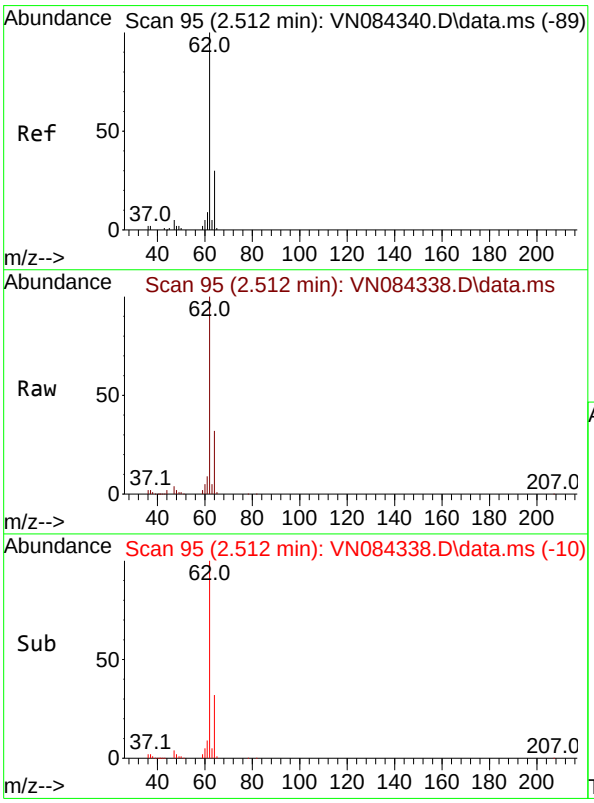
#3
Chloromethane
Concen: 97.710 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 238067

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.8	38.6

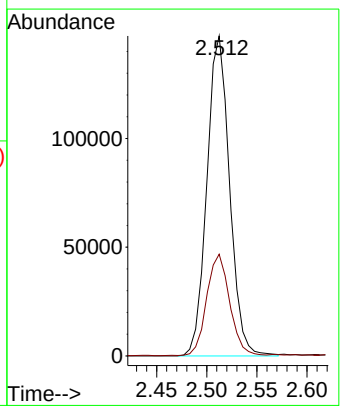


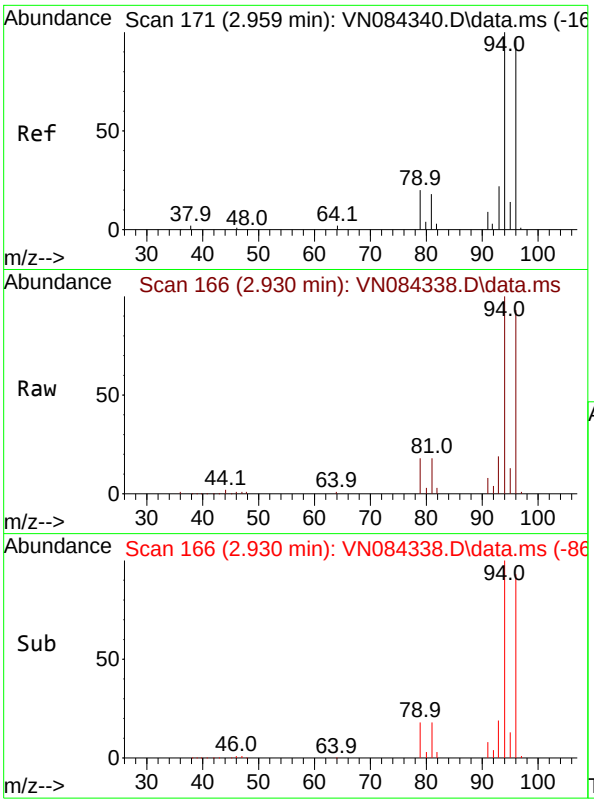


#4
Vinyl Chloride
Concen: 97.168 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 62 Resp: 232167

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.3	36.5



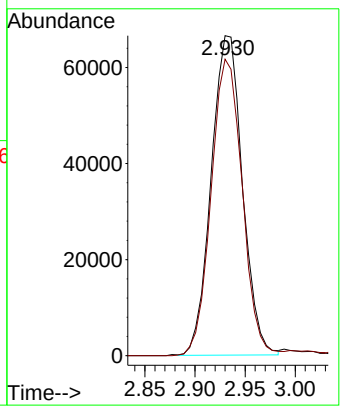


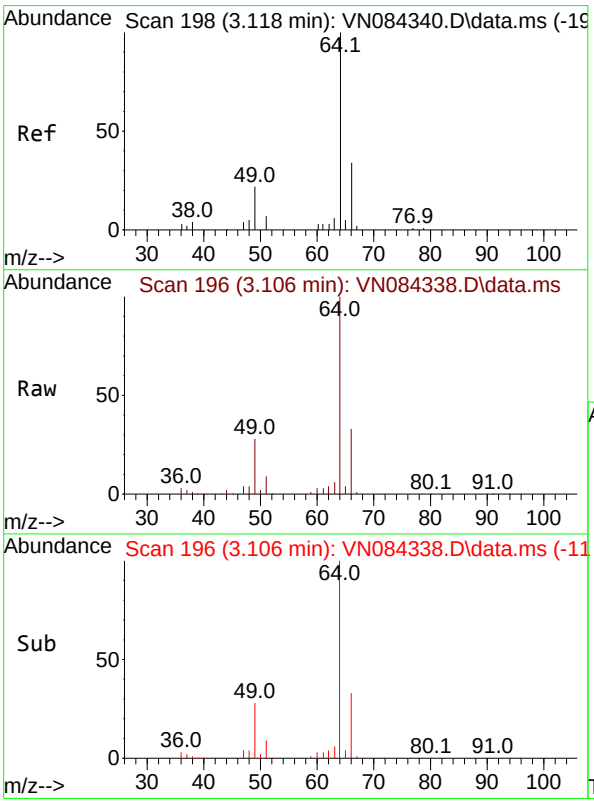
#5
Bromomethane
Concen: 91.091 ug/l
RT: 2.930 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 144198

Ion	Ratio	Lower	Upper
94	100		
96	92.7	76.7	115.1

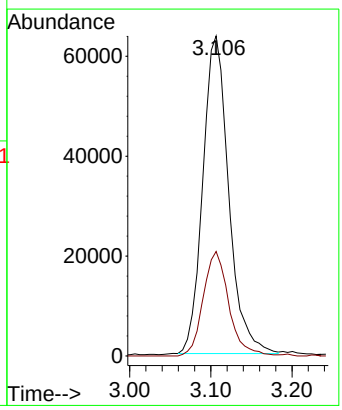


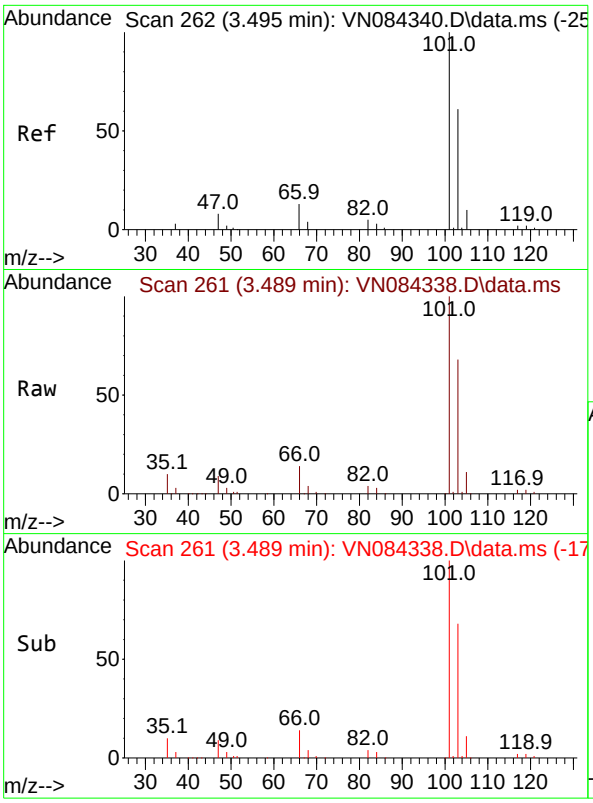


#6
Chloroethane
Concen: 89.888 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 64 Resp: 140802

Ion	Ratio	Lower	Upper
64	100		
66	32.9	27.7	41.5



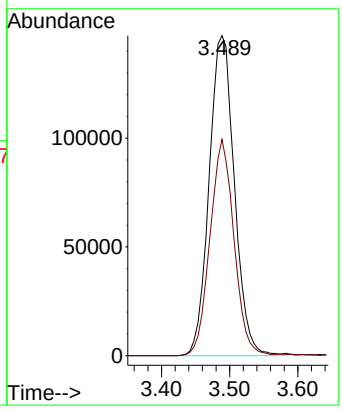


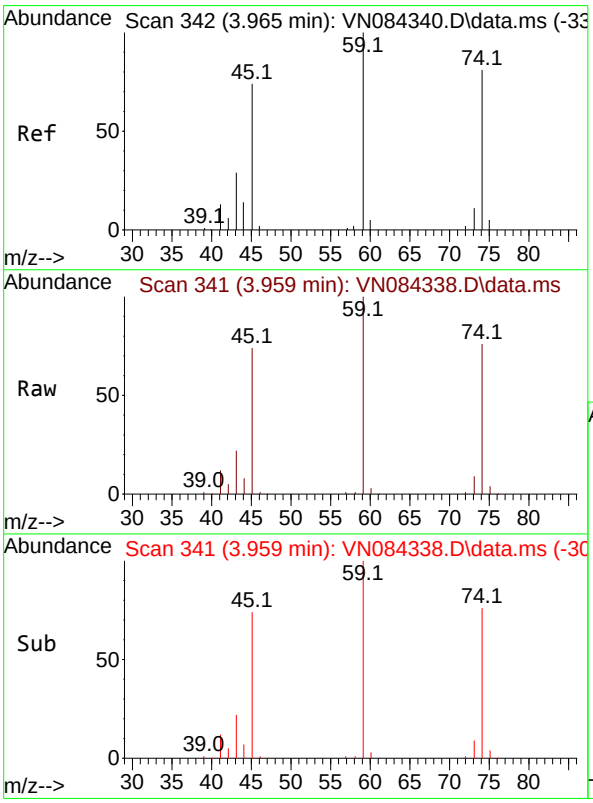
#7
Trichlorofluoromethane
Concen: 97.500 ug/l
RT: 3.489 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 379462

Ion	Ratio	Lower	Upper
101	100		
103	67.6	49.0	73.6

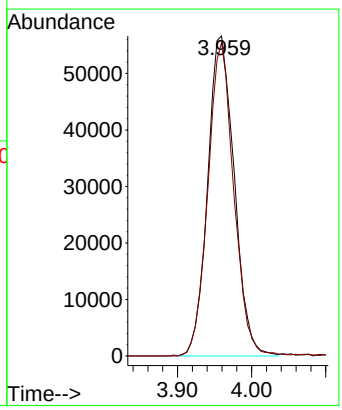


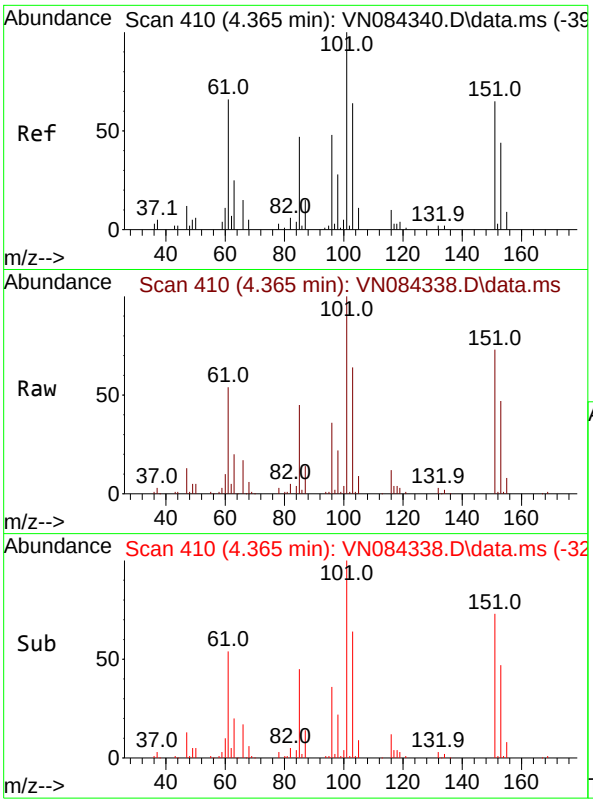


#8
Diethyl Ether
Concen: 98.586 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 74 Resp: 141064

Ion	Ratio	Lower	Upper
74	100		
45	94.9	19.2	173.2



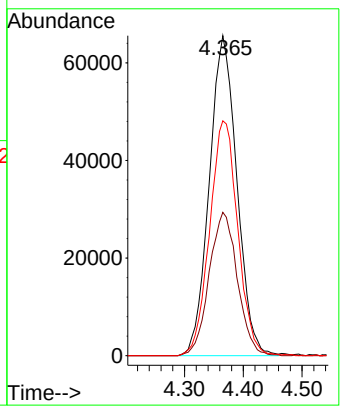


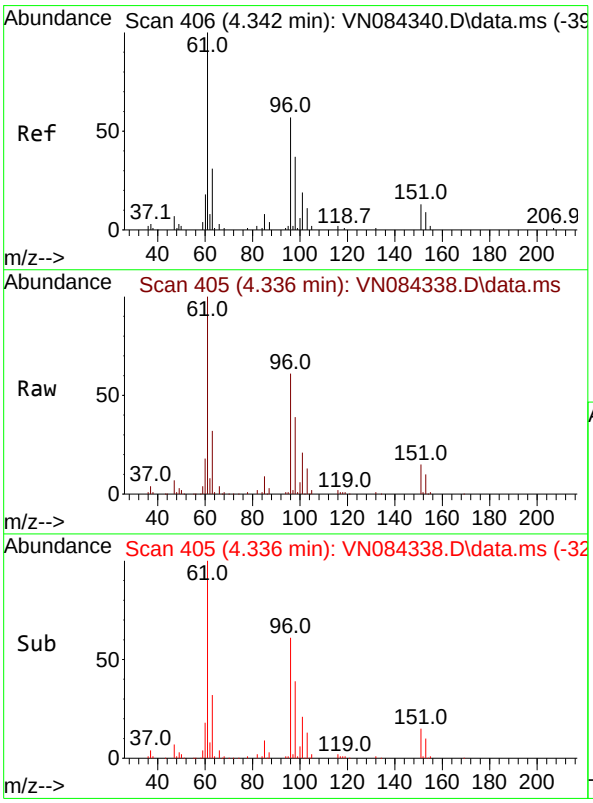
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.714 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 213828

Ion	Ratio	Lower	Upper
101	100		
85	45.7	0.0	93.6
151	74.8	0.0	151.8

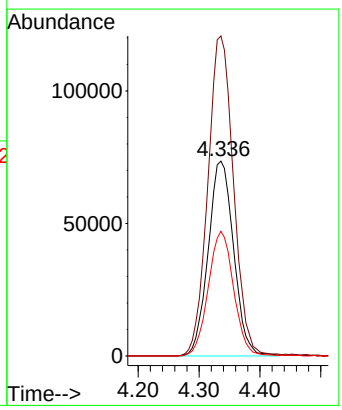


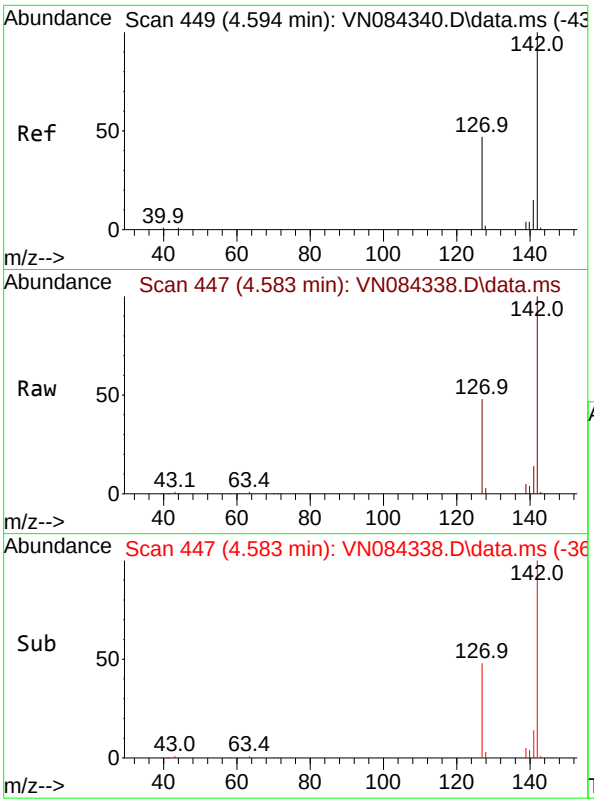


#10
1,1-Dichloroethene
Concen: 98.097 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 96 Resp: 214197

Ion	Ratio	Lower	Upper
96	100		
61	164.1	140.8	211.2
98	64.0	52.2	78.2



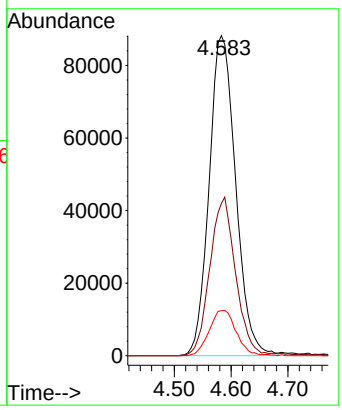


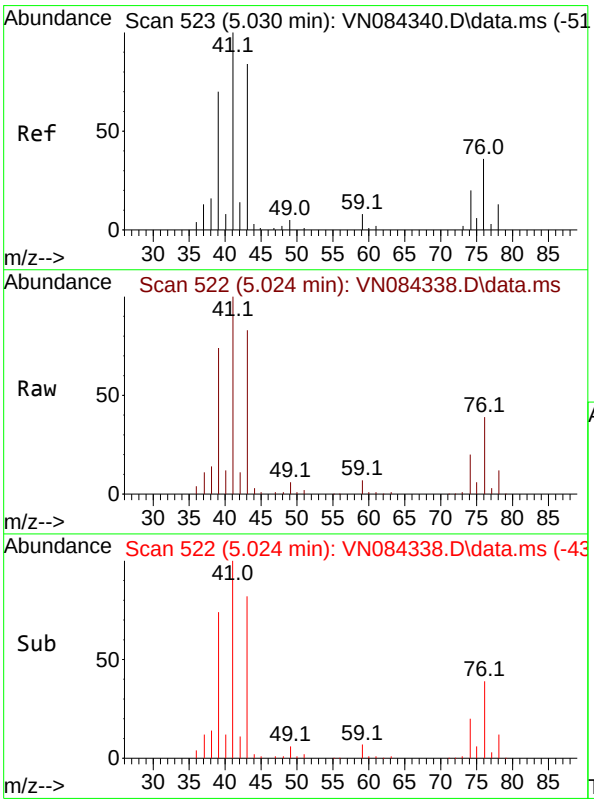
#11
Methyl Iodide
Concen: 99.804 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:142 Resp: 286385

Ion	Ratio	Lower	Upper
142	100		
127	47.4	23.8	71.4
141	14.1	7.4	22.2

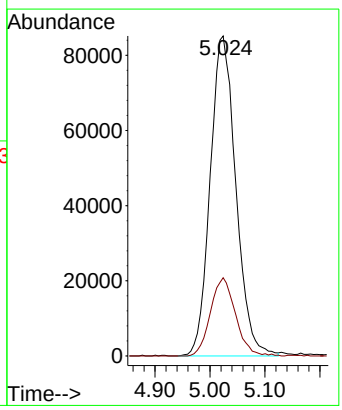


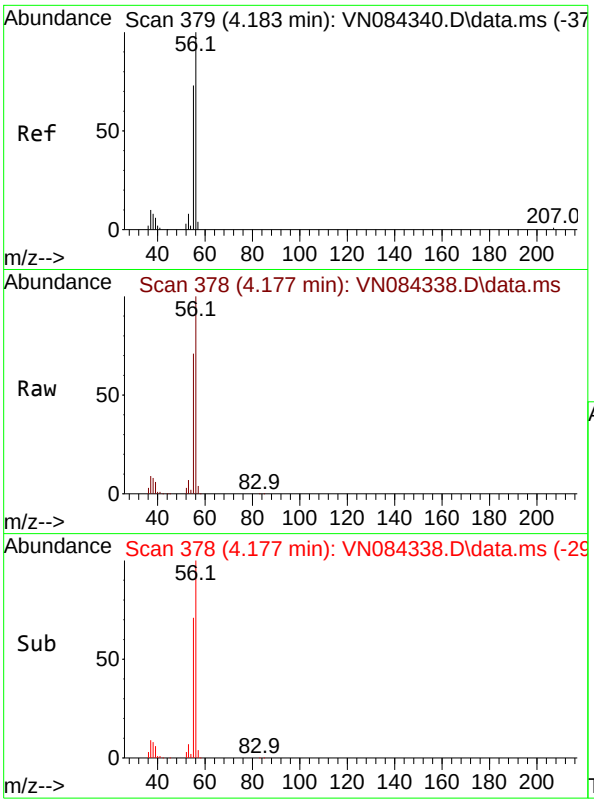


#12
Methyl Acetate
Concen: 101.206 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 276654

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2



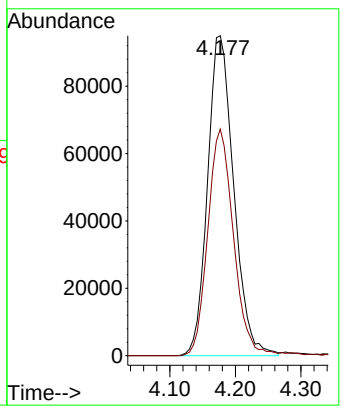


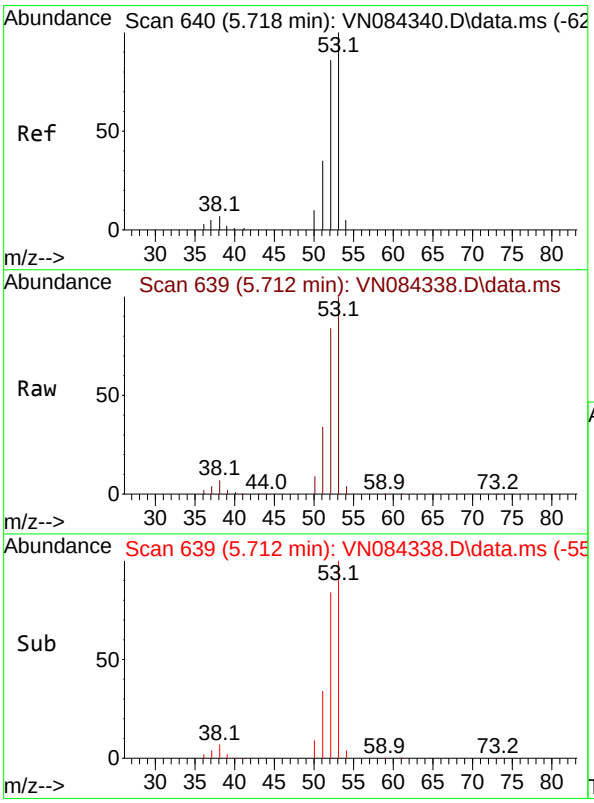
#13
Acrolein
Concen: 518.323 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 263202

Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.4	84.6

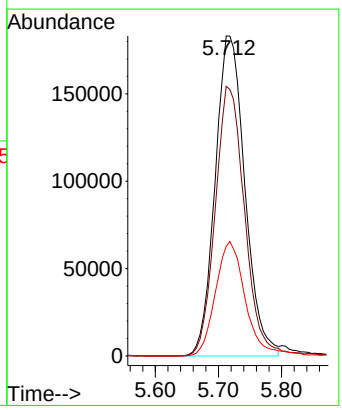


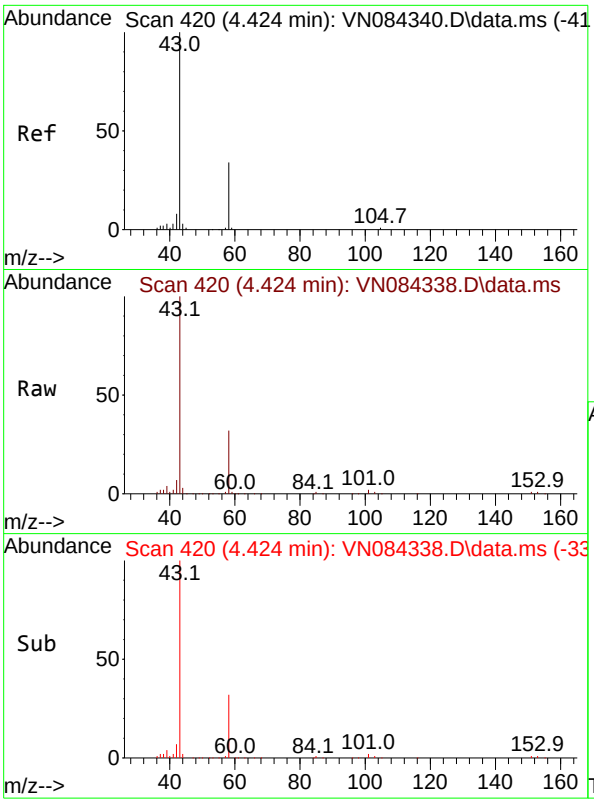


#14
Acrylonitrile
Concen: 488.367 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 53 Resp: 599763

Ion	Ratio	Lower	Upper
53	100		
52	83.2	40.4	121.2
51	36.0	17.8	53.4



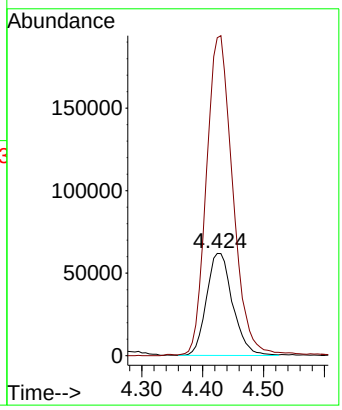


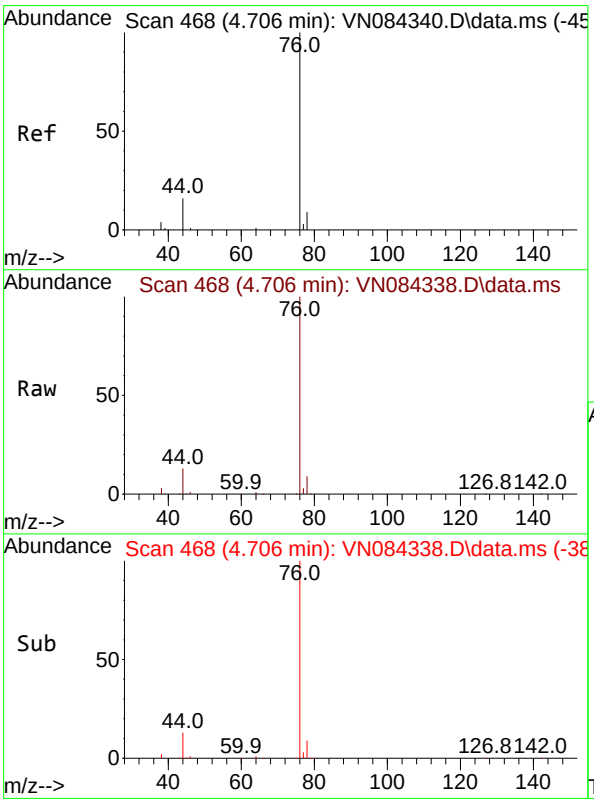
#15
Acetone
Concen: 524.611 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 58 Resp: 184044

Ion	Ratio	Lower	Upper
58	100		
43	310.9	237.5	356.3

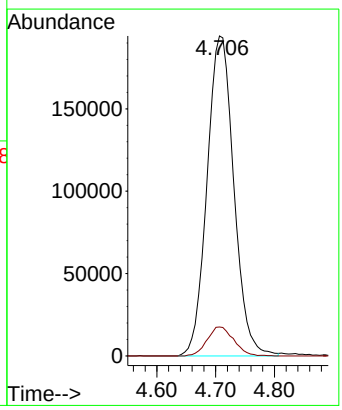


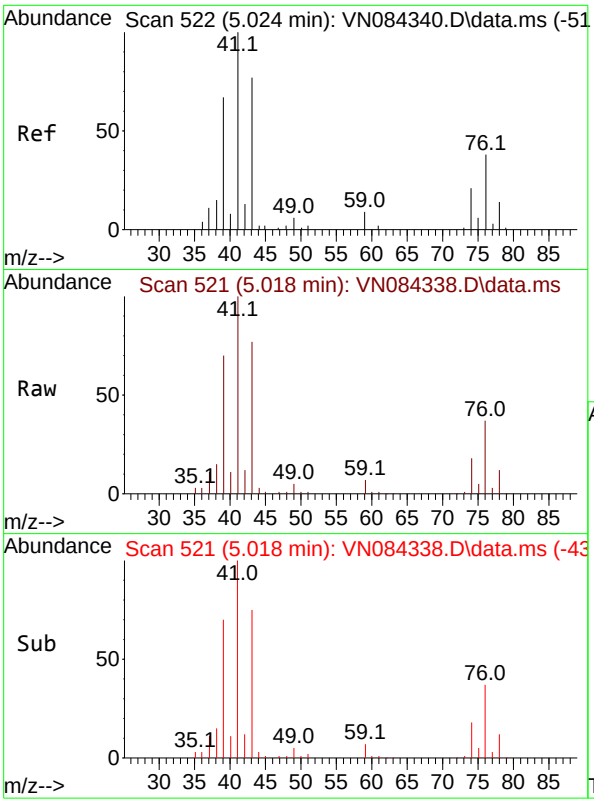


#16
Carbon Disulfide
Concen: 94.737 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 76 Resp: 615999

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7



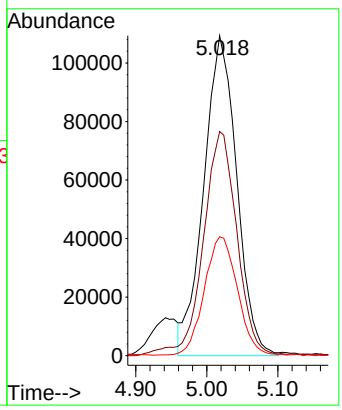


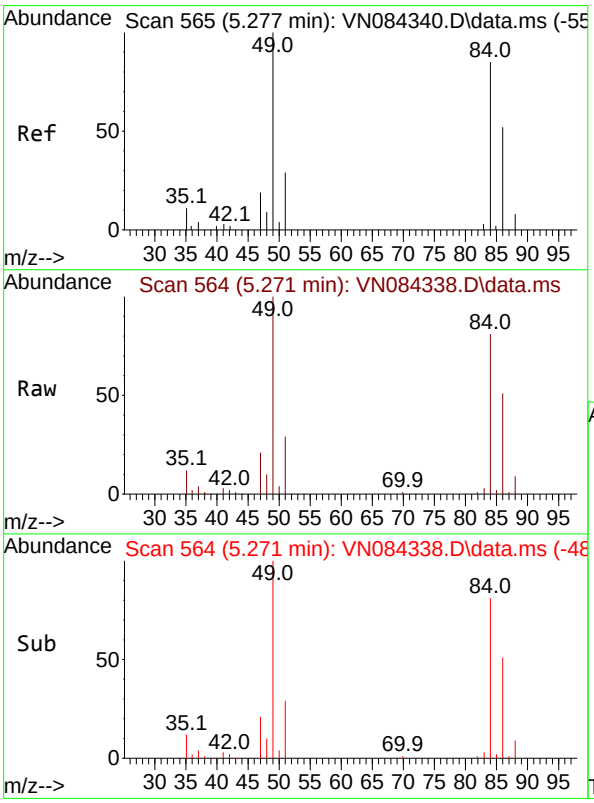
#17
Allyl chloride
Concen: 99.630 ug/l
RT: 5.018 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 352646

Ion	Ratio	Lower	Upper
41	100		
39	69.8	31.4	94.3
76	37.2	17.8	53.5

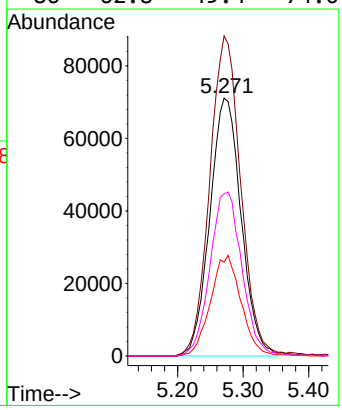


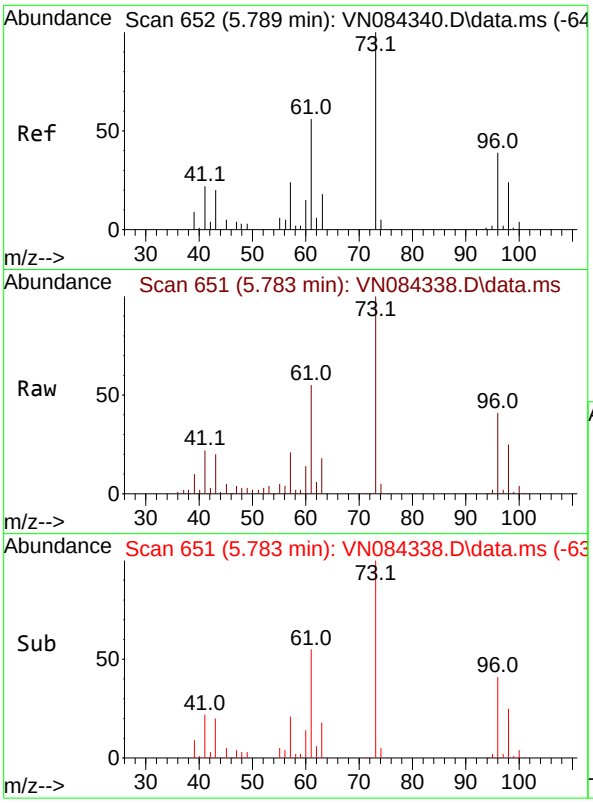


#18
Methylene Chloride
Concen: 95.730 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 84 Resp: 235470

Ion	Ratio	Lower	Upper
84	100		
49	123.6	94.6	142.0
51	36.1	27.3	40.9
86	62.8	49.4	74.0



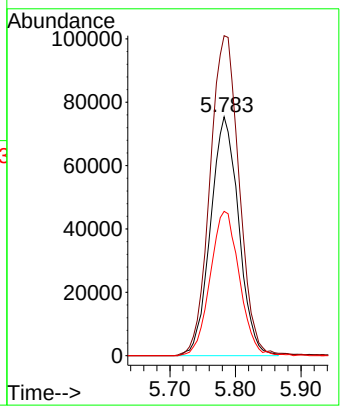


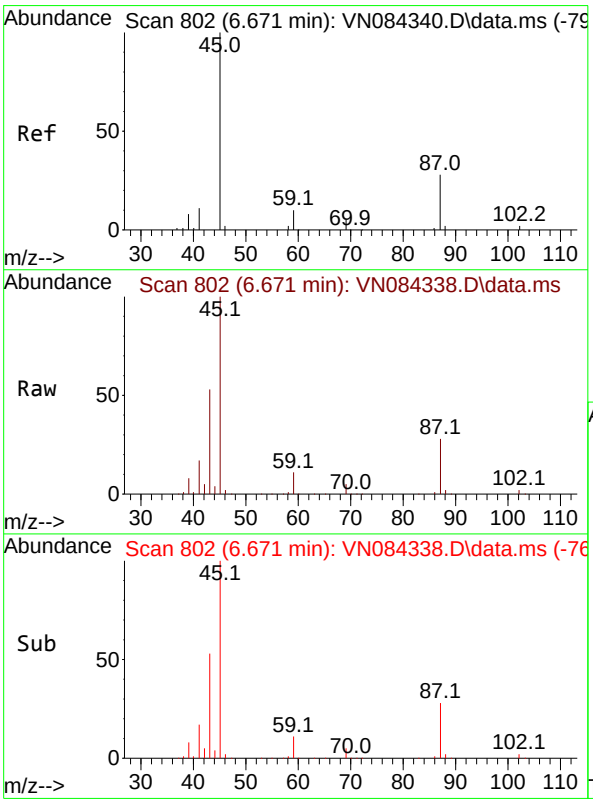
#19
trans-1,2-Dichloroethene
Concen: 97.266 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 224774

Ion	Ratio	Lower	Upper
96	100		
61	133.7	115.8	173.6
98	60.4	49.4	74.0

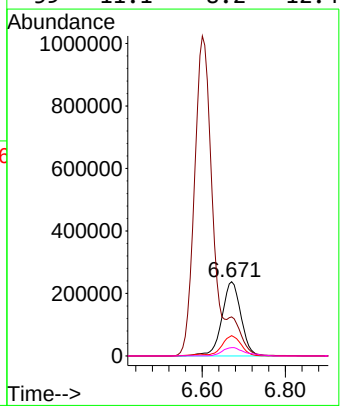


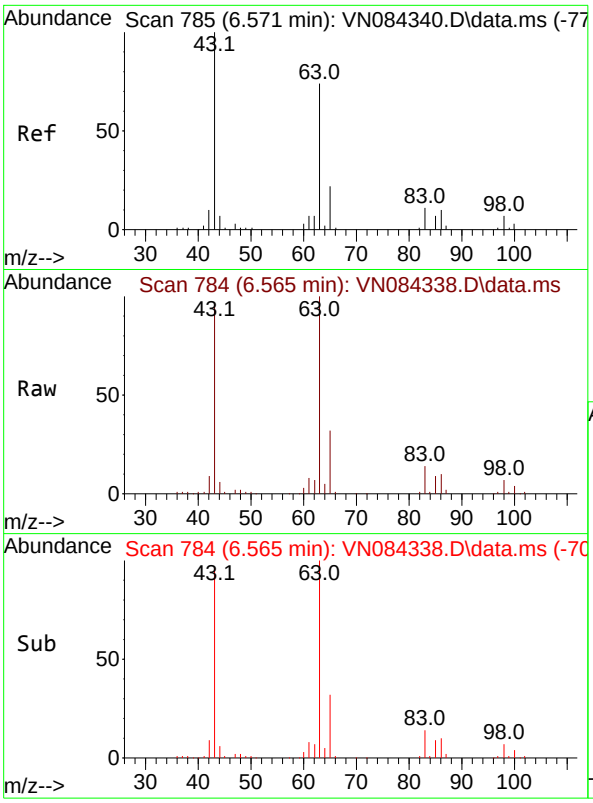


#20
Diisopropyl ether
Concen: 99.640 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 45 Resp: 758291

Ion	Ratio	Lower	Upper
45	100		
43	51.9	43.7	65.5
87	27.4	23.1	34.7
59	11.1	8.2	12.4



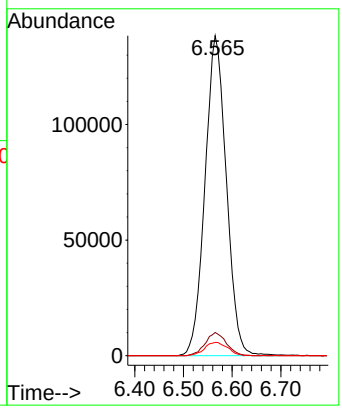


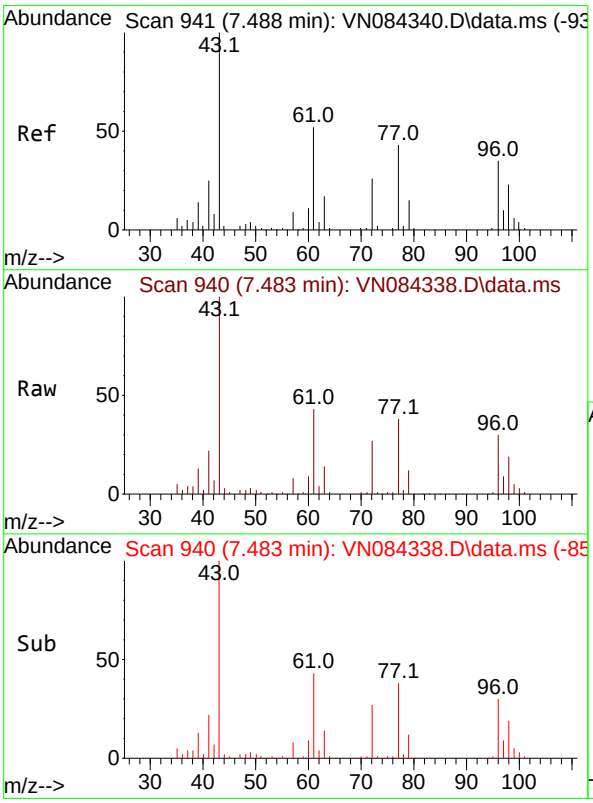
#21
1,1-Dichloroethane
Concen: 96.384 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 420888

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.5	13.4
100	4.1	2.1	6.3

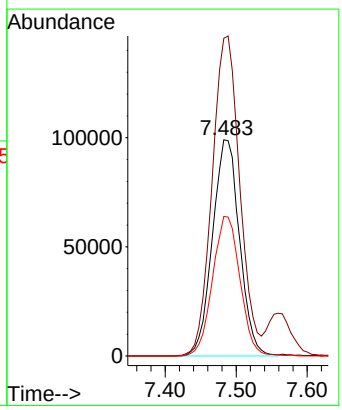


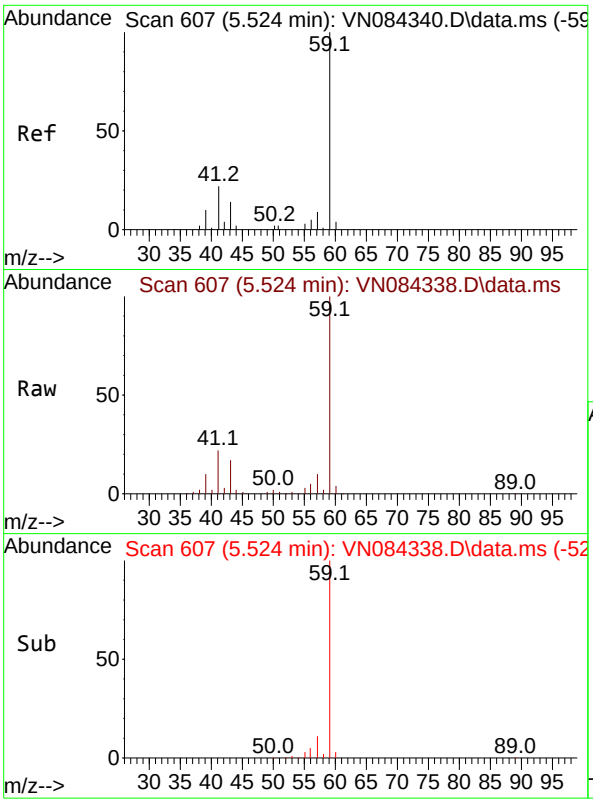


#22
cis-1,2-Dichloroethene
Concen: 97.356 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 96 Resp: 261797

Ion	Ratio	Lower	Upper
96	100		
61	151.3	118.0	177.0
98	65.3	51.8	77.8



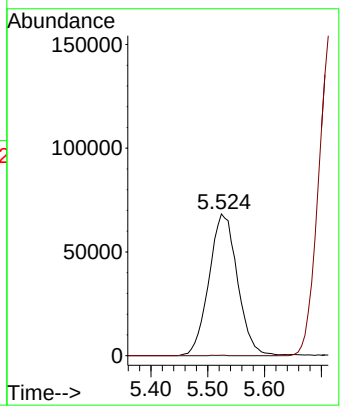


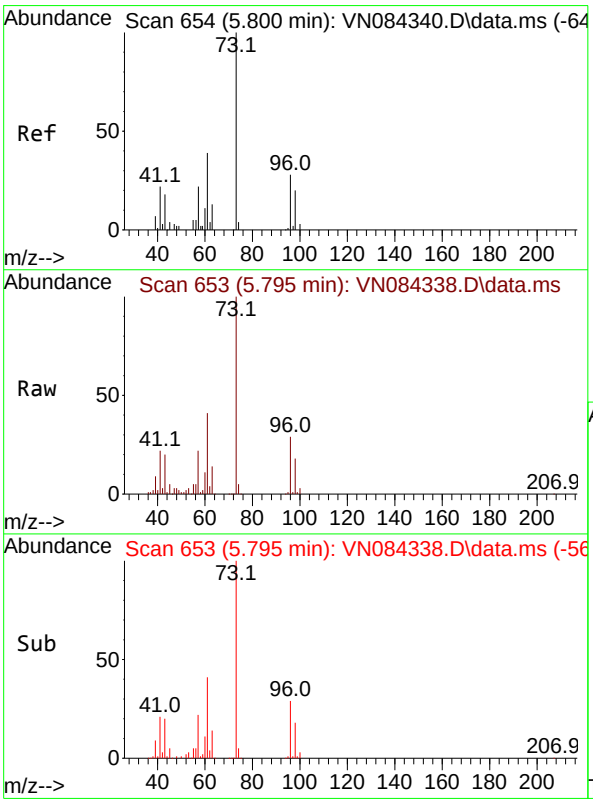
#23
tert-Butyl Alcohol
Concen: 504.229 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 237527

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

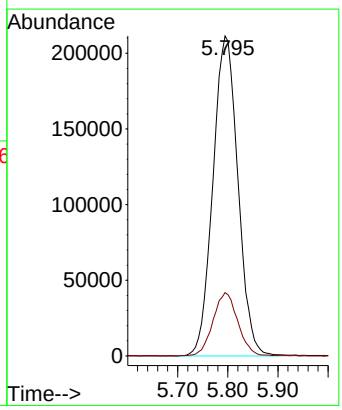


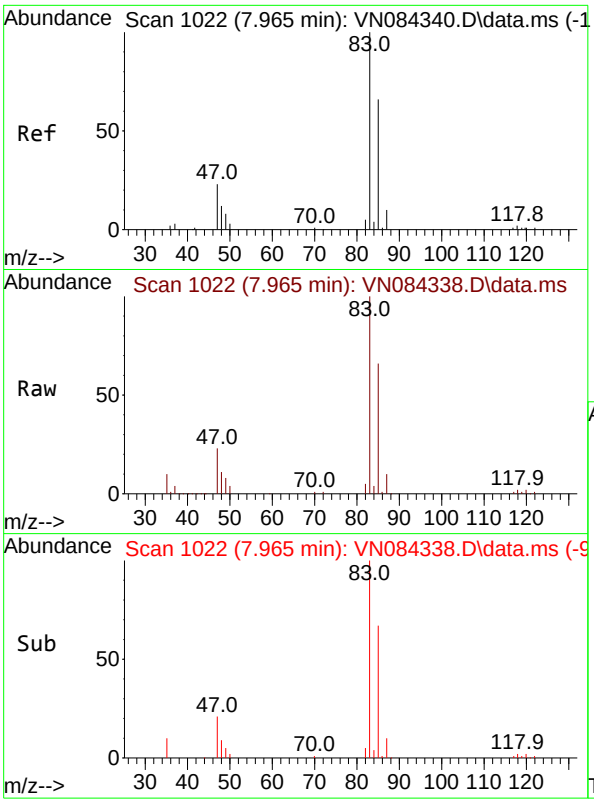


#24
Methyl tert-Butyl Ether
Concen: 100.410 ug/l
RT: 5.795 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 73 Resp: 732699

Ion	Ratio	Lower	Upper
73	100		
43	19.7	10.9	16.3#



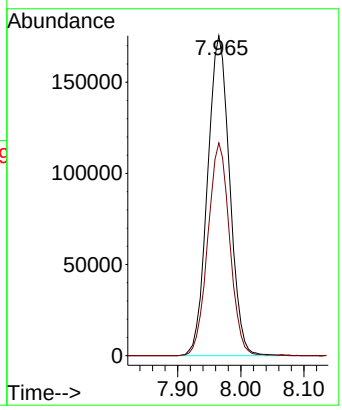


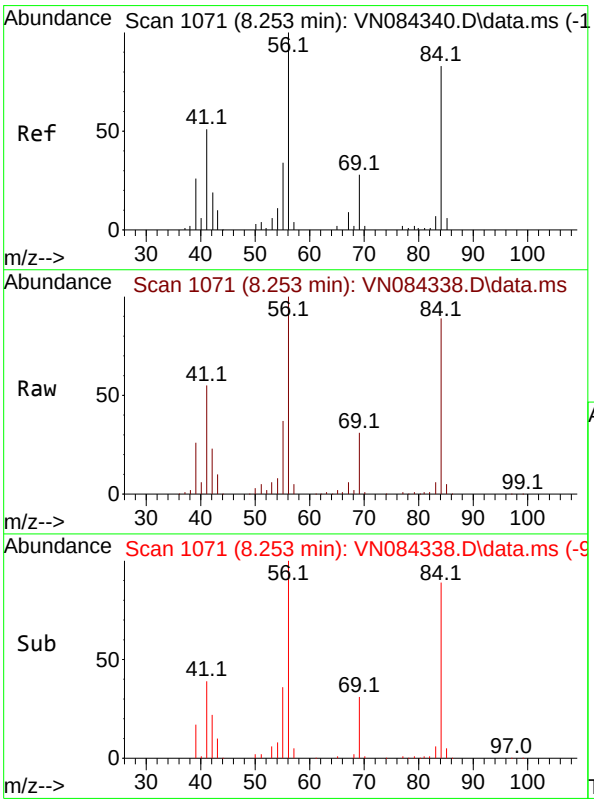
#25
Chloroform
Concen: 96.476 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 426680

Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6

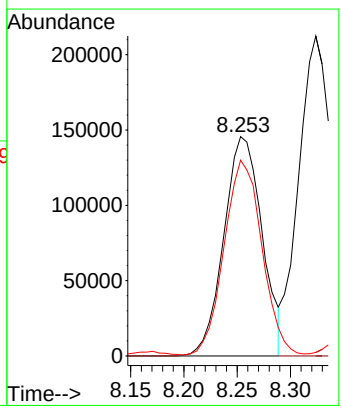


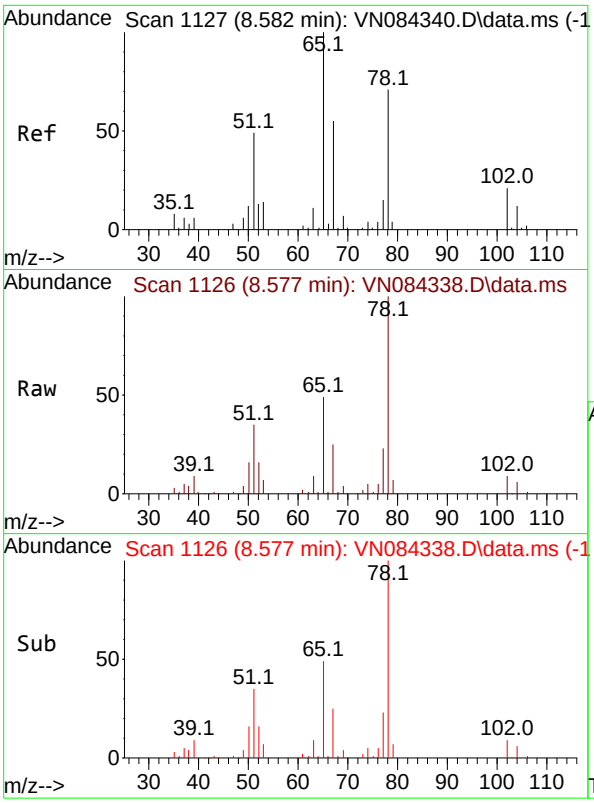


#26
Cyclohexane
Concen: 99.442 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 56 Resp: 363184

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	89.0	67.0	100.6



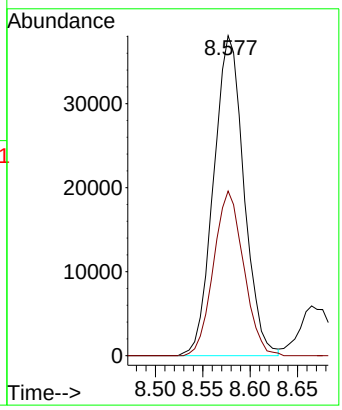


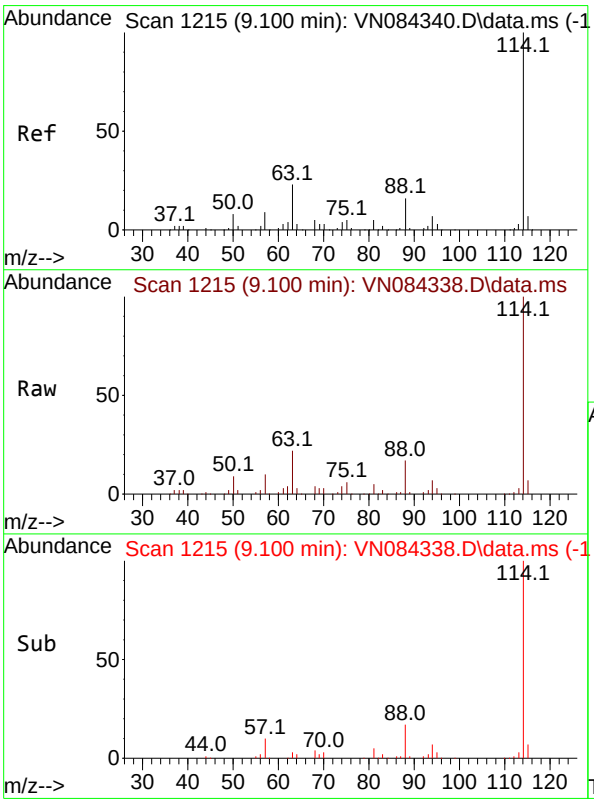
#27
1,2-Dichloroethane-d4
Concen: 30.048 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 84835

Ion	Ratio	Lower	Upper
65	100		
67	51.1	41.5	62.3

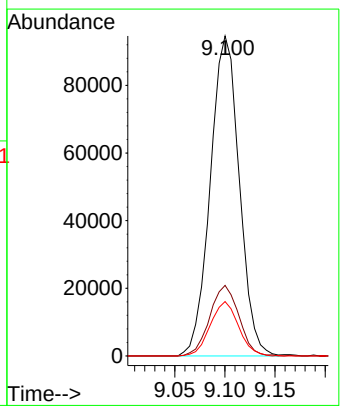


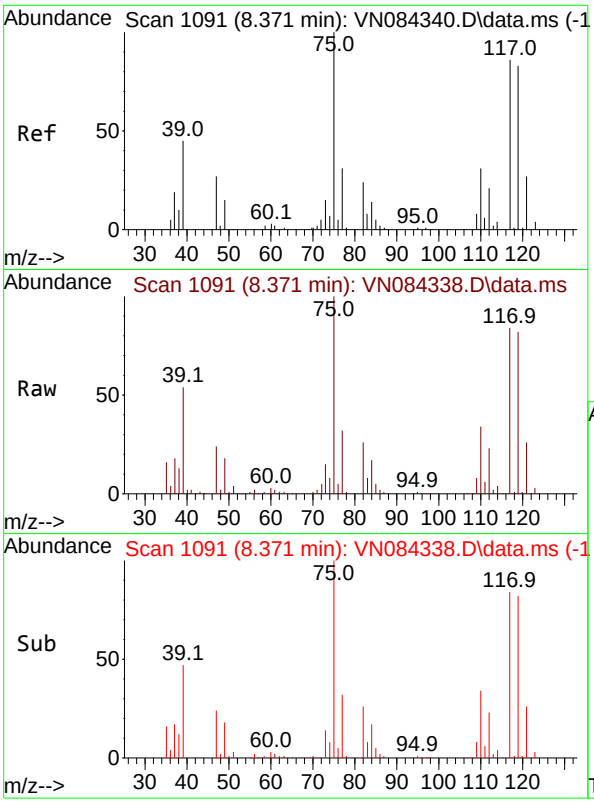


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:114 Resp: 190456

Ion	Ratio	Lower	Upper
114	100		
63	22.1	17.4	26.0
88	16.6	13.2	19.8



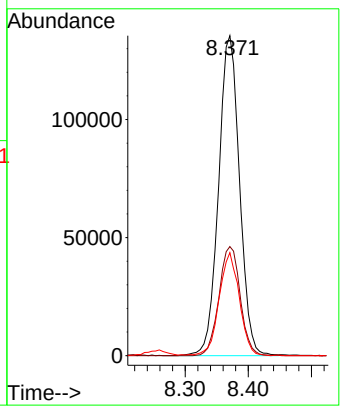


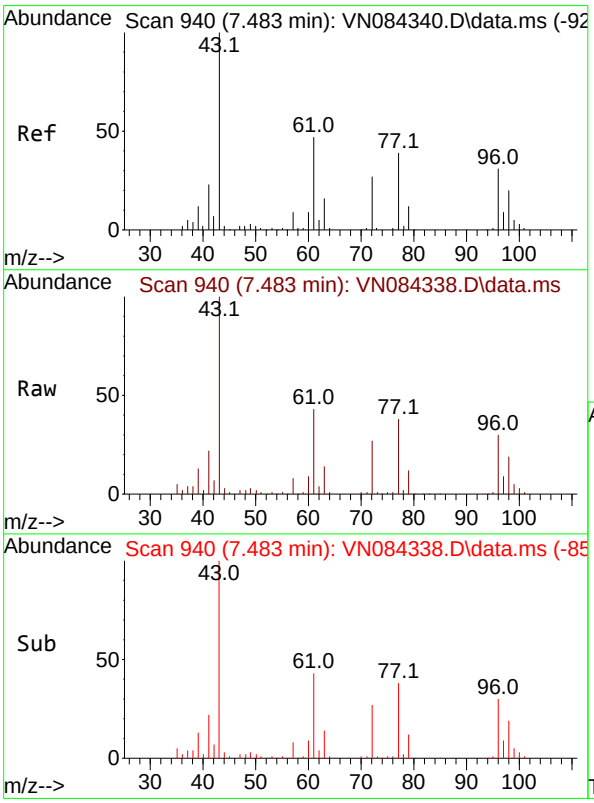
#29
1,1-Dichloropropene
Concen: 100.036 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 312760

Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	67.6
77	31.2	0.0	61.4

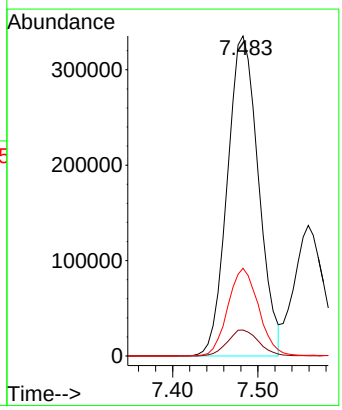


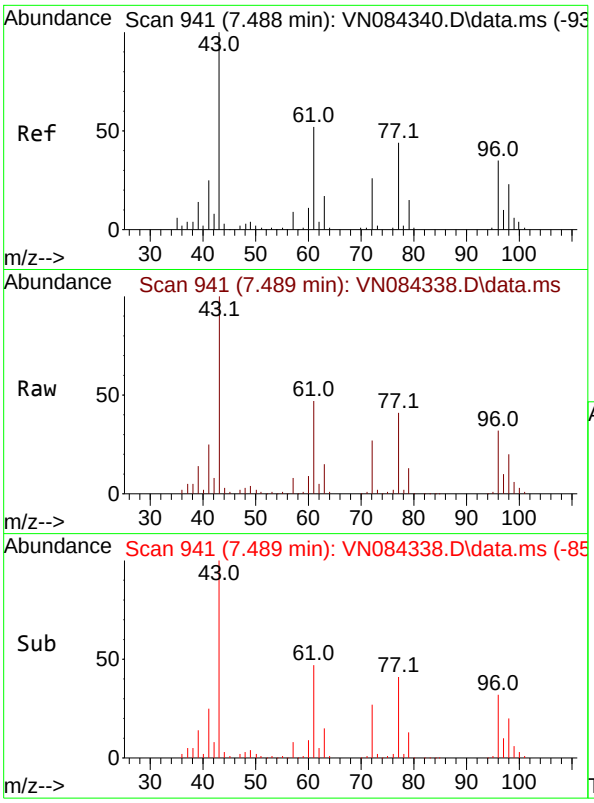


#30
2-Butanone
Concen: 512.158 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 852543

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	27.1	21.3	31.9



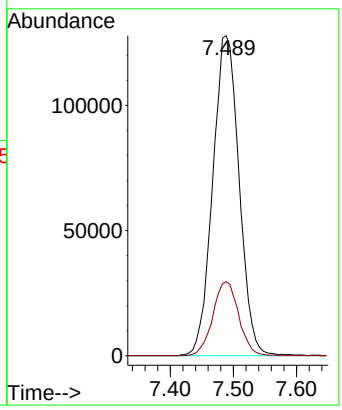


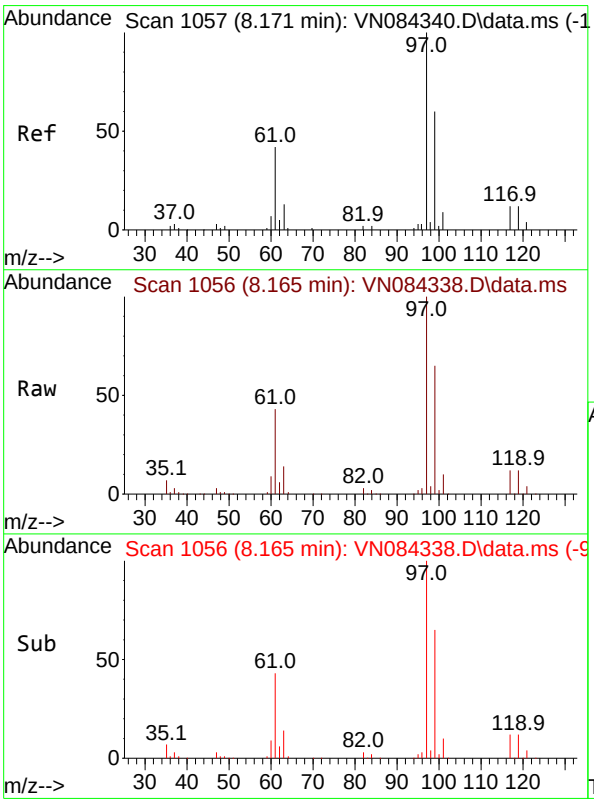
#31
2,2-Dichloropropane
Concen: 100.772 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 77 Resp: 370236

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.5	17.3#

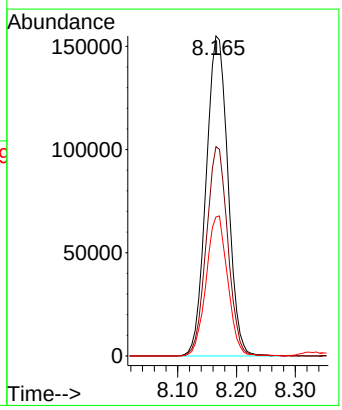


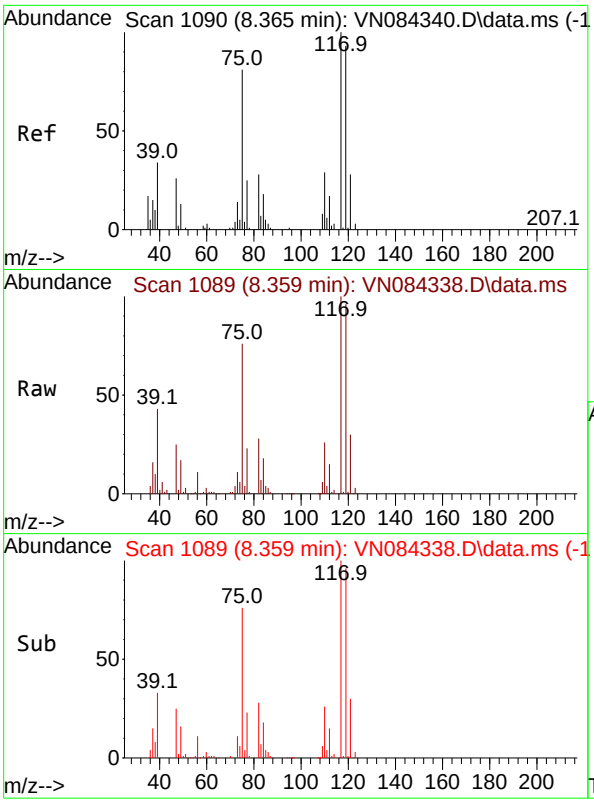


#32
1,1,1-Trichloroethane
Concen: 99.955 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 97 Resp: 399456

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	43.0	34.1	51.1



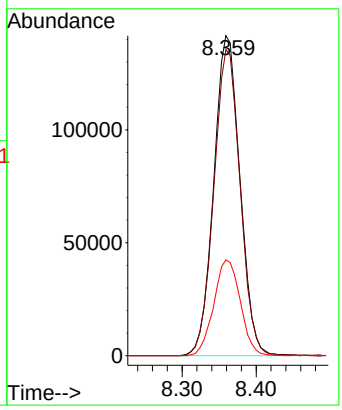


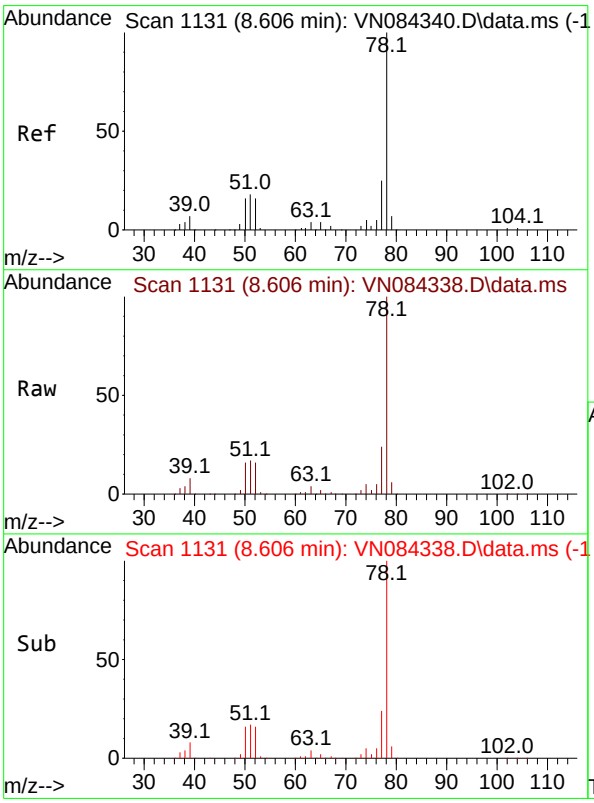
#33
Carbon Tetrachloride
Concen: 100.397 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 347588

Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.3	111.5
121	29.9	22.4	33.6

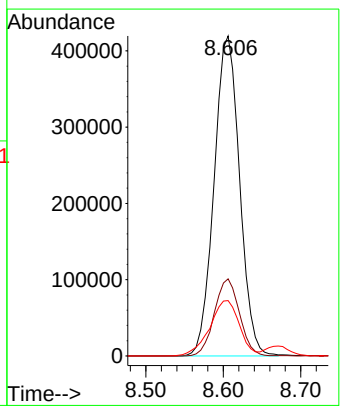


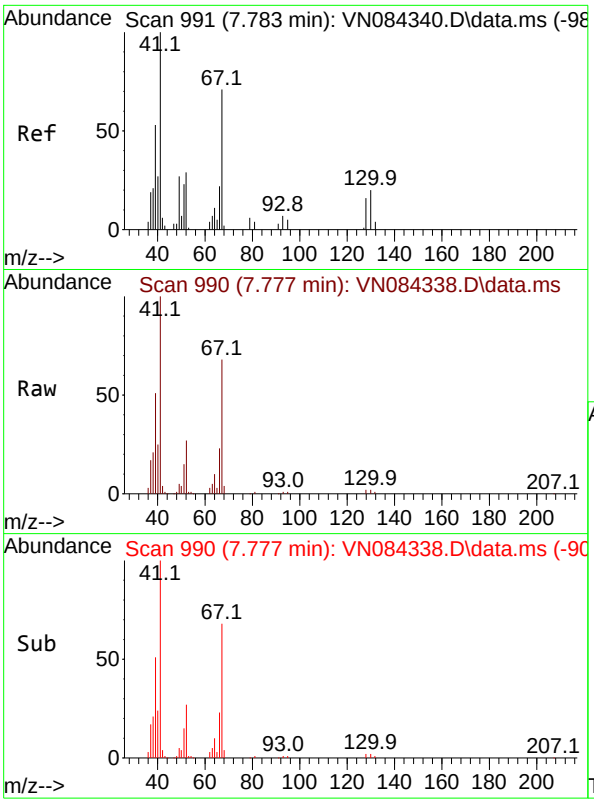


#34
Benzene
Concen: 98.185 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 78 Resp: 960915

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4
51	17.1	15.8	23.6



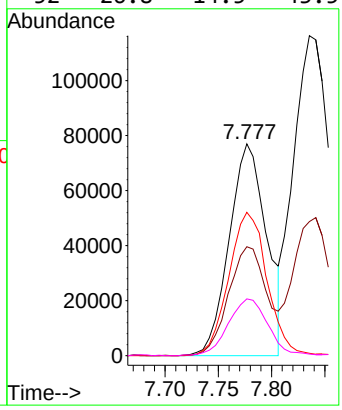


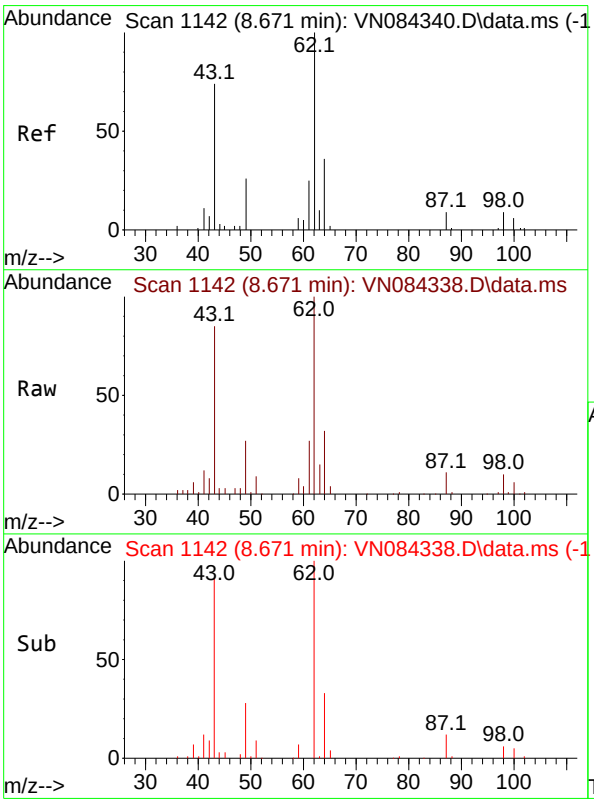
#35
Methacrylonitrile
Concen: 106.088 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 188397

Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.4	79.0
67	67.7	35.7	107.1
52	26.8	14.5	43.5

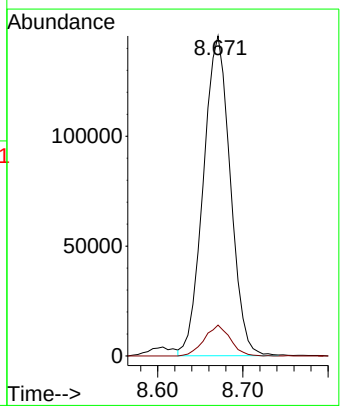


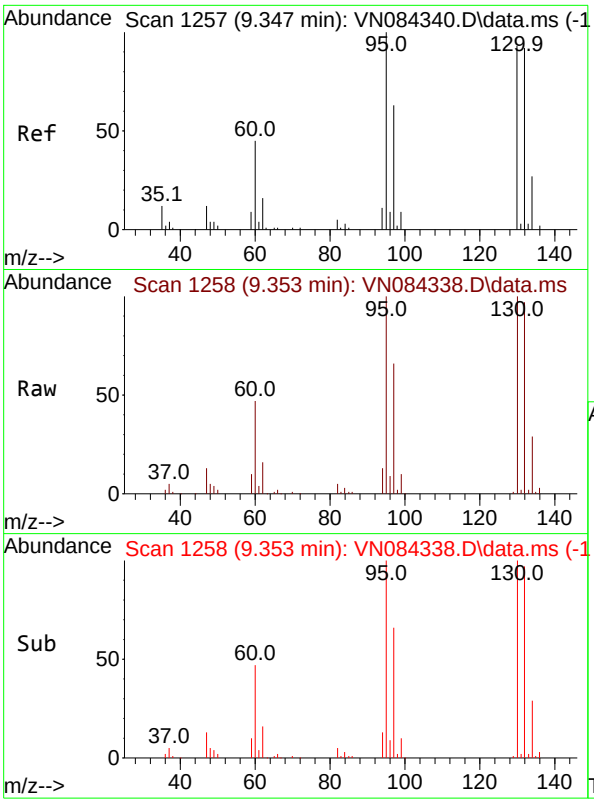


#36
1,2-Dichloroethane
Concen: 98.324 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 62 Resp: 320751

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9



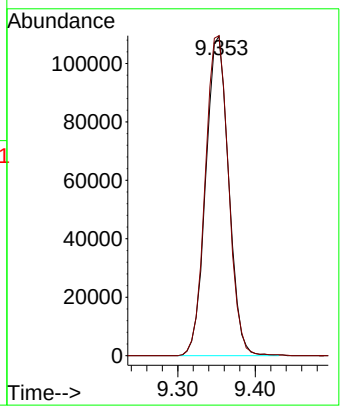


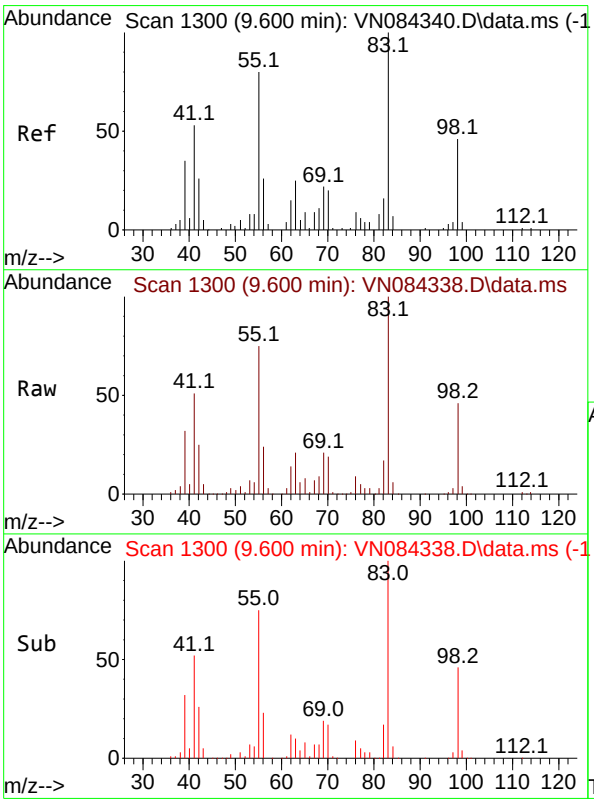
#37
Trichloroethene
Concen: 99.445 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:130 Resp: 224110

Ion	Ratio	Lower	Upper
130	100		
95	100.1	85.8	128.6

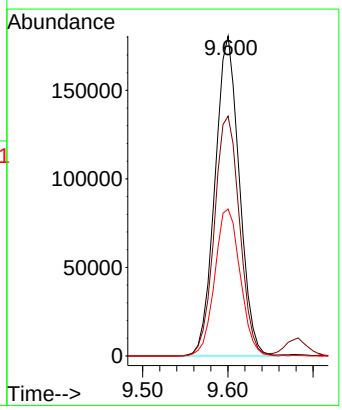


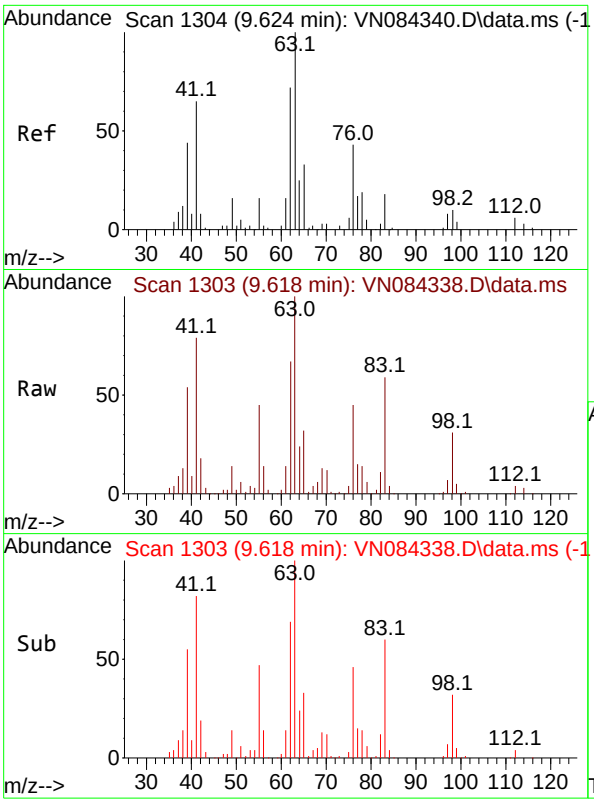


#38
Methylcyclohexane
Concen: 104.567 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 83 Resp: 359108

Ion	Ratio	Lower	Upper
83	100		
55	77.7	39.3	117.8
98	48.0	24.0	72.0



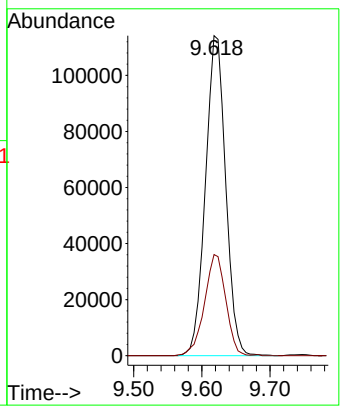


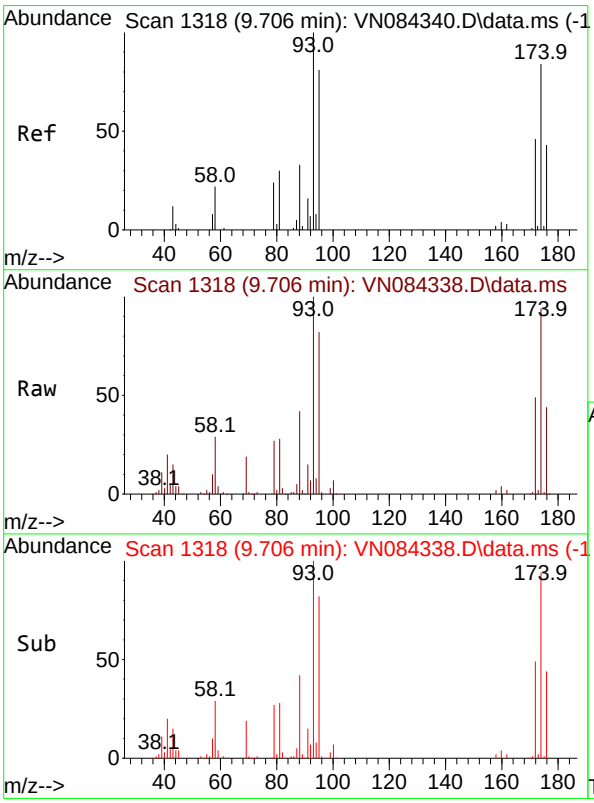
#39
1,2-Dichloropropane
Concen: 98.802 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 235798

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5

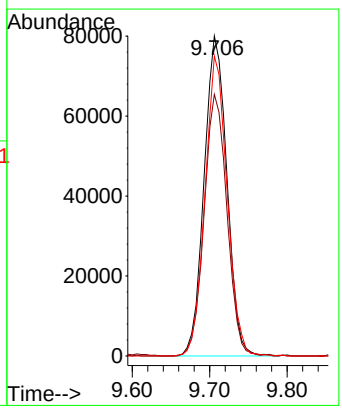


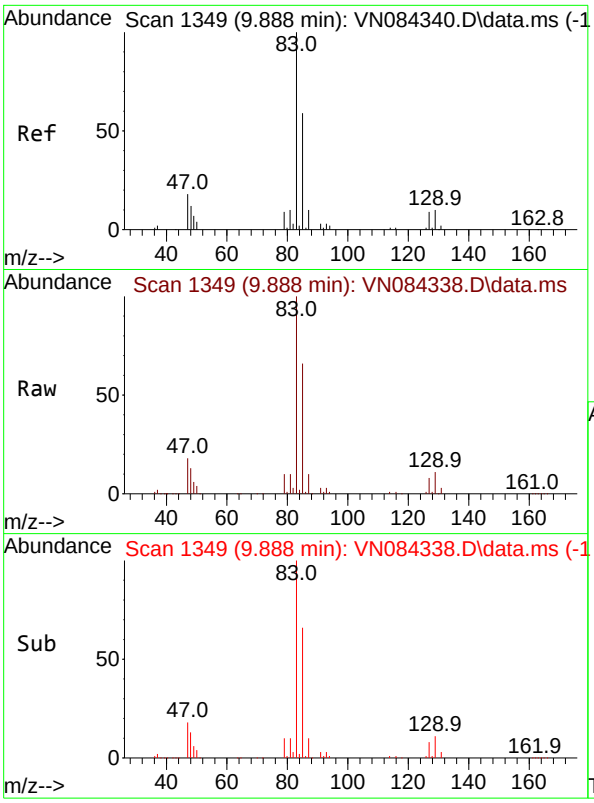


#40
Dibromomethane
Concen: 97.960 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 93 Resp: 163396

Ion	Ratio	Lower	Upper
93	100		
95	81.8	0.0	171.4
174	91.3	0.0	183.0



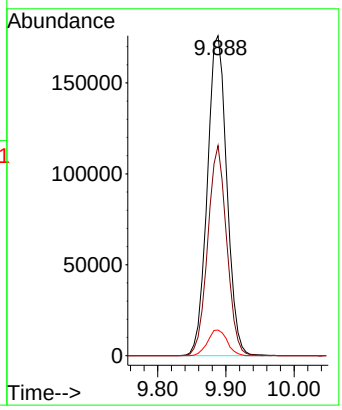


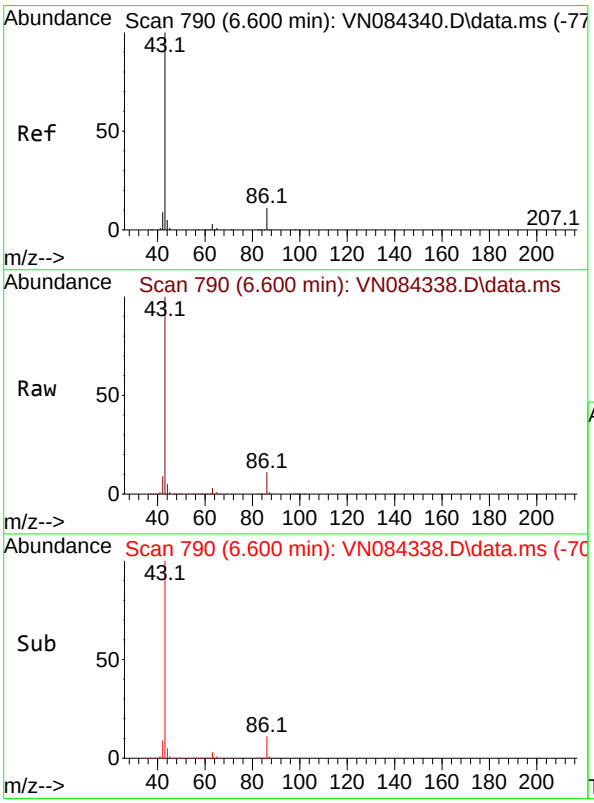
#41
Bromodichloromethane
Concen: 99.048 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 350730

Ion	Ratio	Lower	Upper
83	100		
85	65.6	47.1	70.7
127	8.0	7.1	10.7

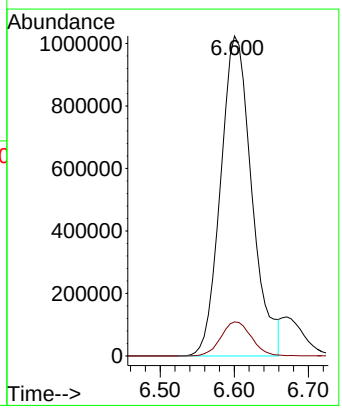


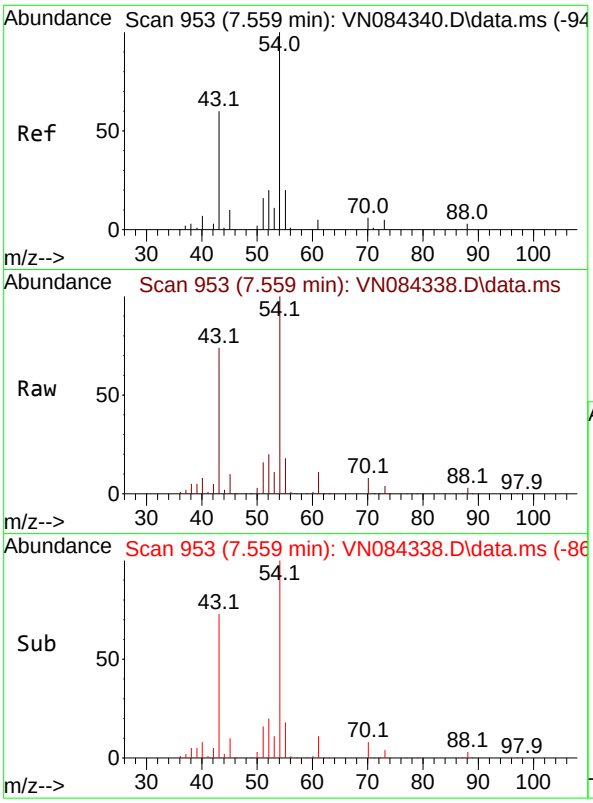


#42
Vinyl Acetate
Concen: 517.998 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 2998867

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7



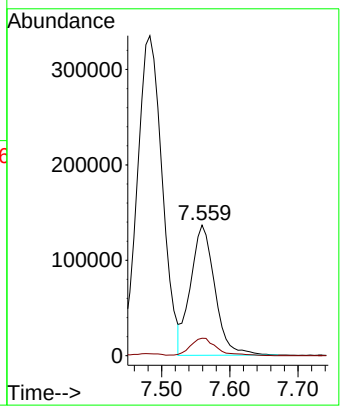


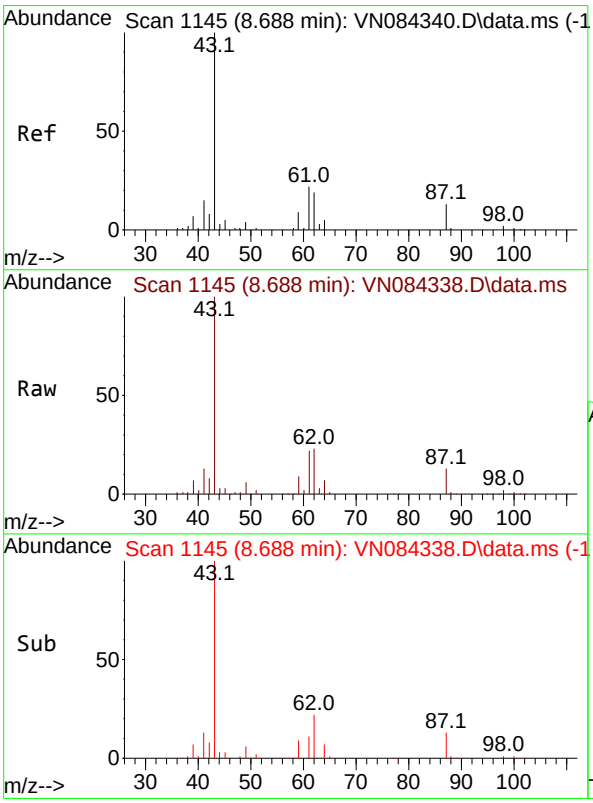
#43
Ethyl Acetate
Concen: 102.827 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 337577

Ion	Ratio	Lower	Upper
43	100		
45	14.6	10.6	16.0

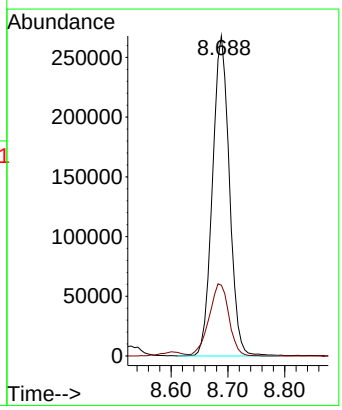


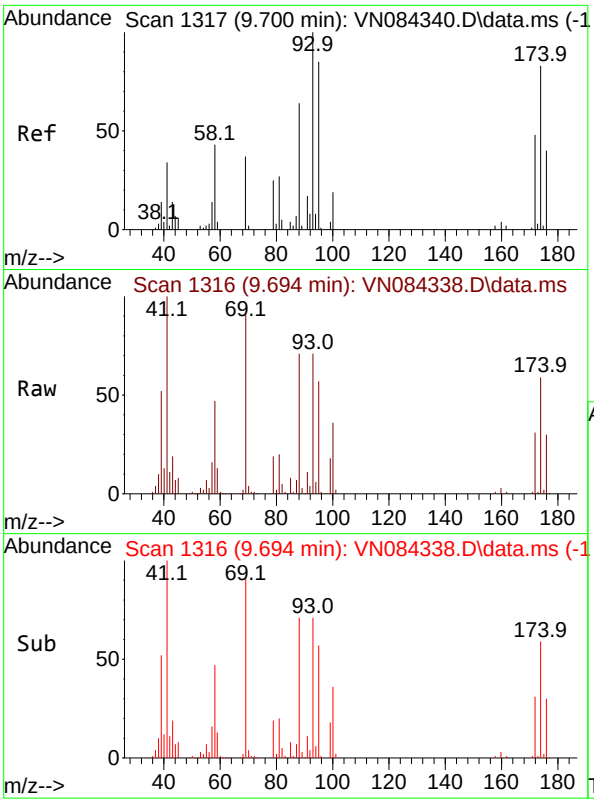


#44
Isopropyl Acetate
Concen: 103.059 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 553772

Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.4	32.2



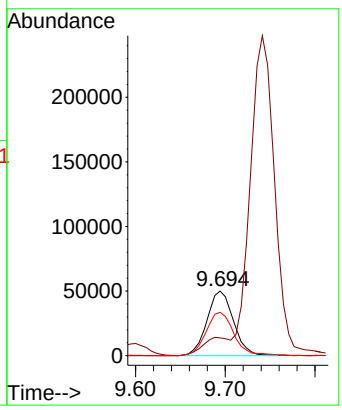


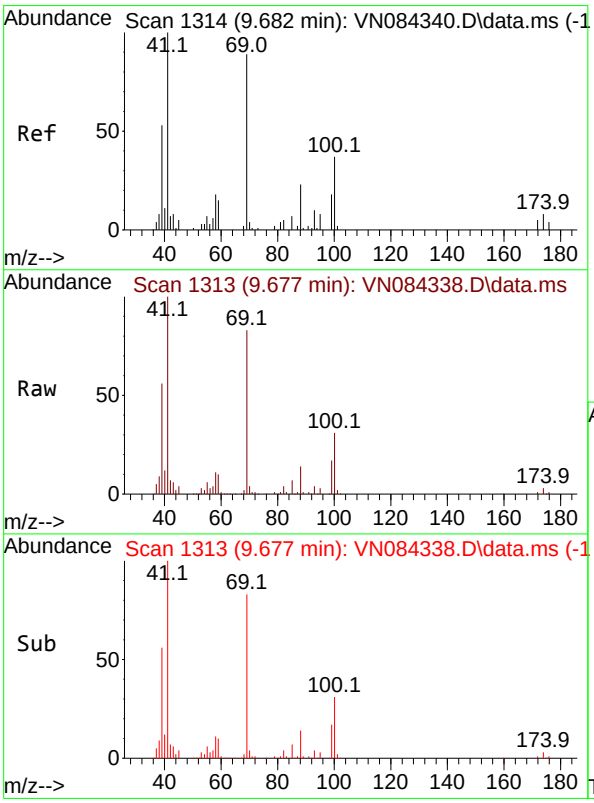
#45
1,4-Dioxane
Concen: 2116.681 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 102529

Ion	Ratio	Lower	Upper
88	100		
43	29.0	22.4	33.6
58	68.9	59.7	89.5

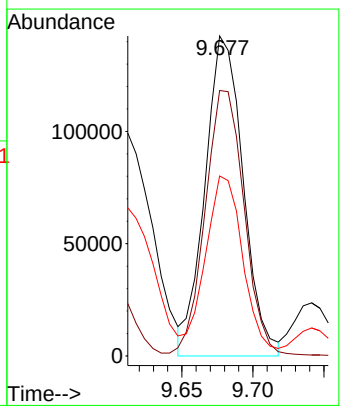


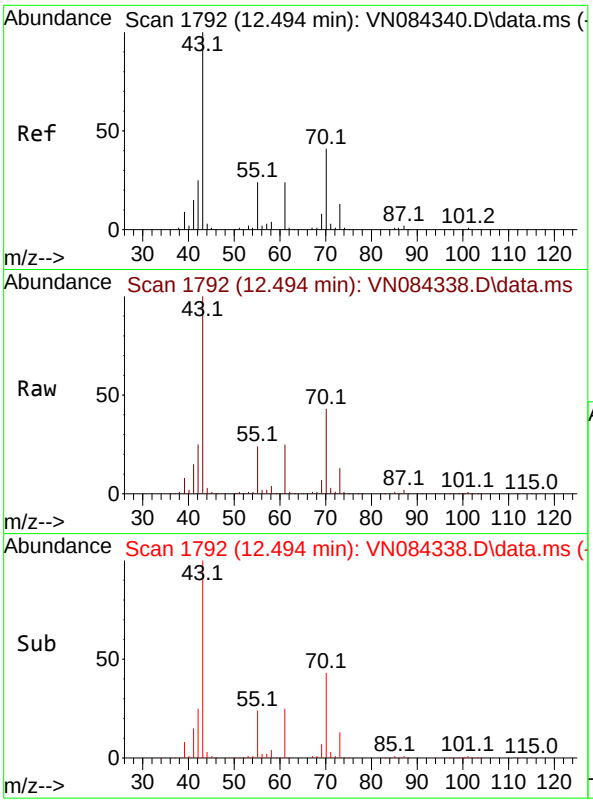


#46
Methyl methacrylate
Concen: 102.653 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 41 Resp: 266510

Ion	Ratio	Lower	Upper
41	100		
69	85.3	42.6	128.0
39	56.3	27.5	82.4



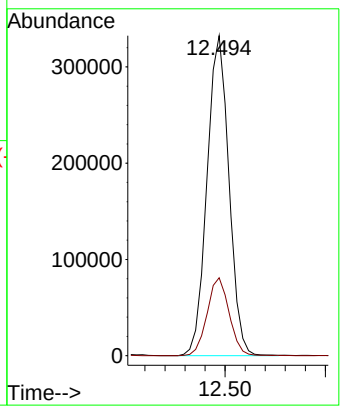


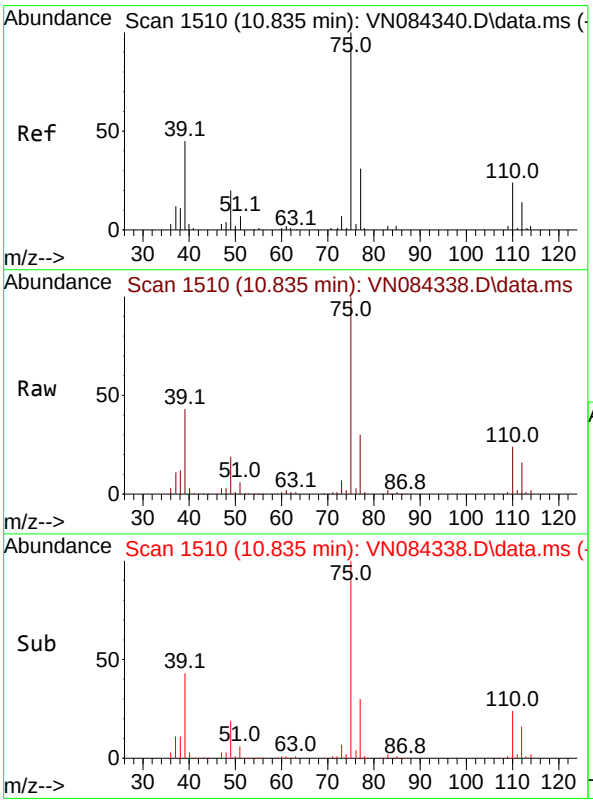
#47
n-amyl Acetate
Concen: 105.767 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 505509

Ion	Ratio	Lower	Upper
43	100		
55	24.4	20.6	31.0

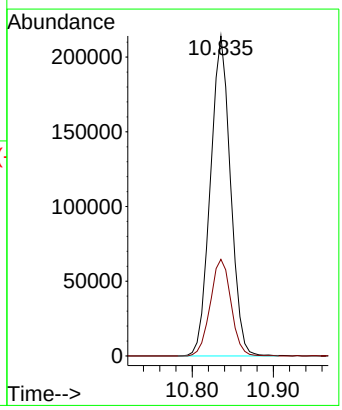


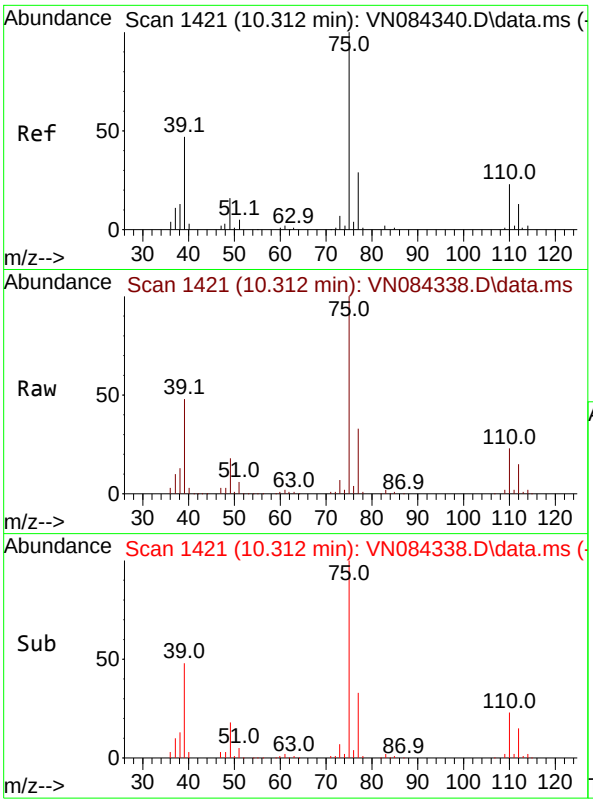


#48
t-1,3-Dichloropropene
Concen: 100.723 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 368556

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.6	37.0



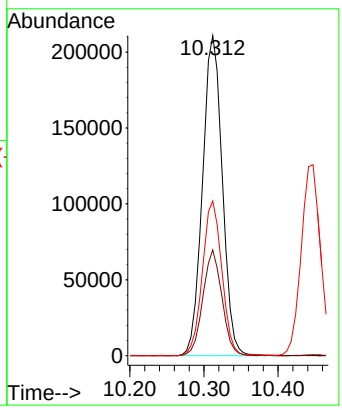


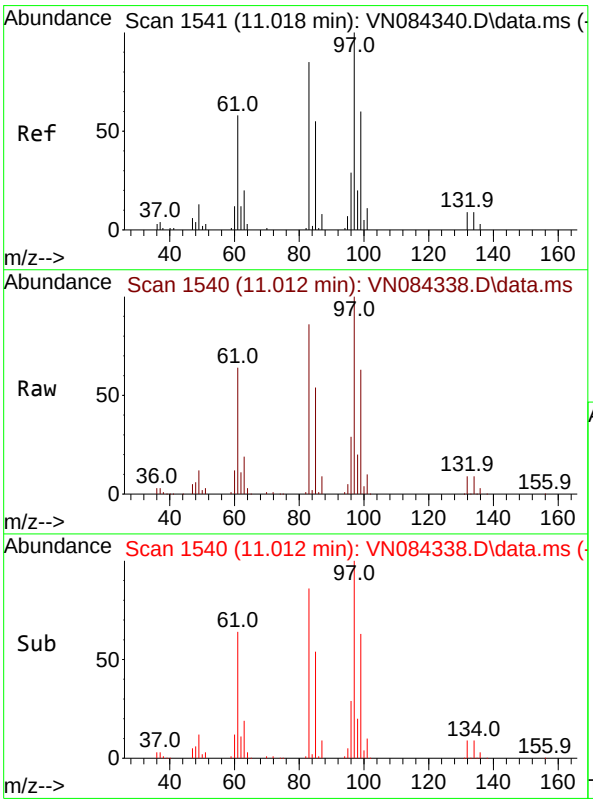
#49
cis-1,3-Dichloropropene
Concen: 102.004 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 391167

Ion	Ratio	Lower	Upper
75	100		
77	33.1	22.9	34.3
39	48.3	37.4	56.2

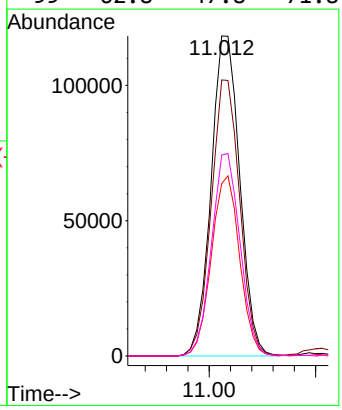


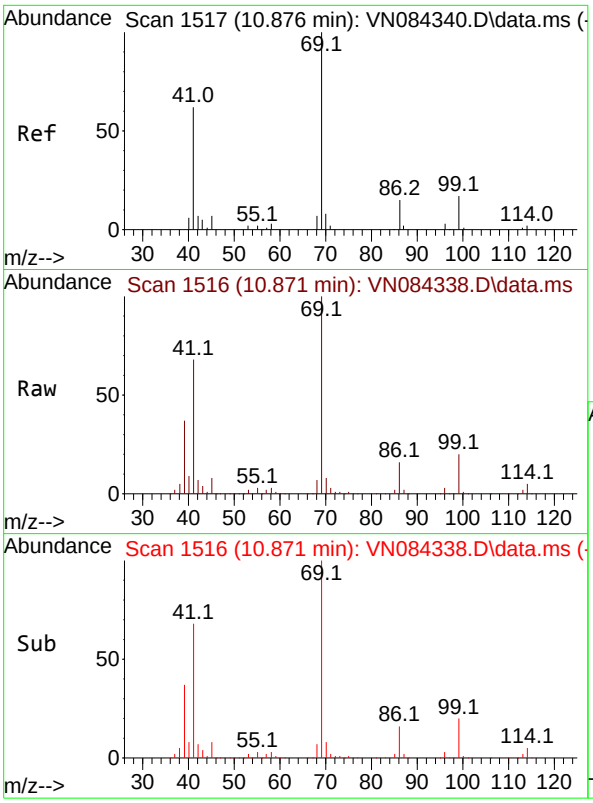


#50
1,1,2-Trichloroethane
Concen: 98.758 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 97 Resp: 221414

Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.8	101.8
85	53.9	44.2	66.2
99	62.8	47.8	71.8



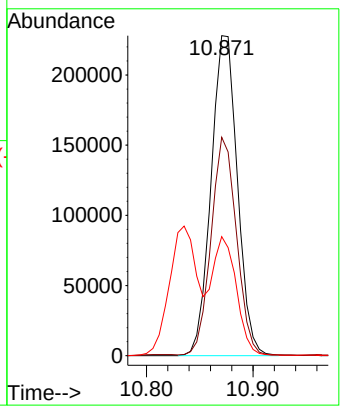


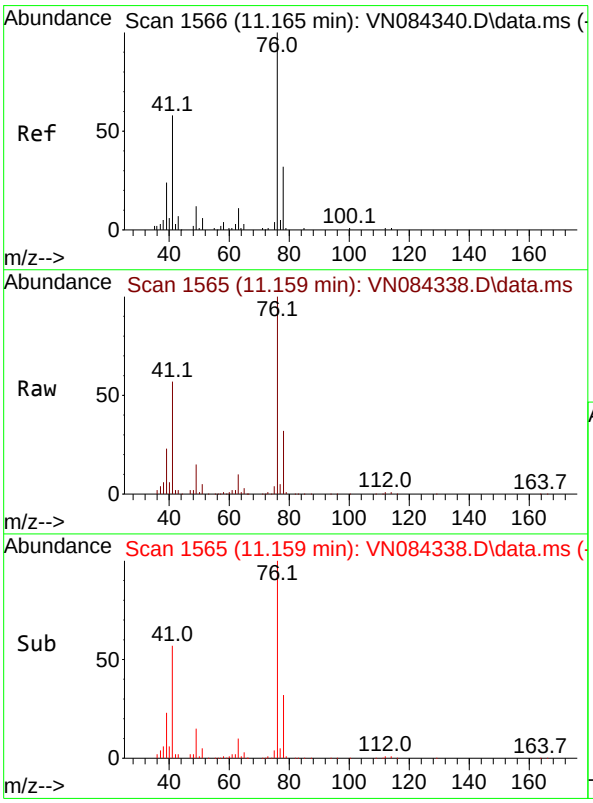
#51
Ethyl methacrylate
Concen: 105.601 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 69 Resp: 391063

Ion	Ratio	Lower	Upper
69	100		
41	68.0	30.9	92.7
39	37.0	16.6	49.7

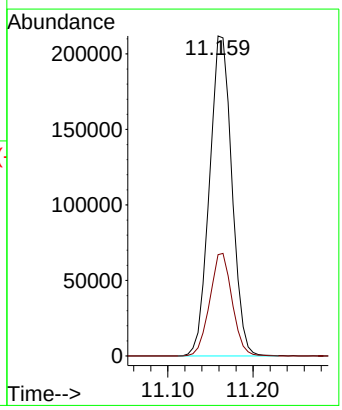


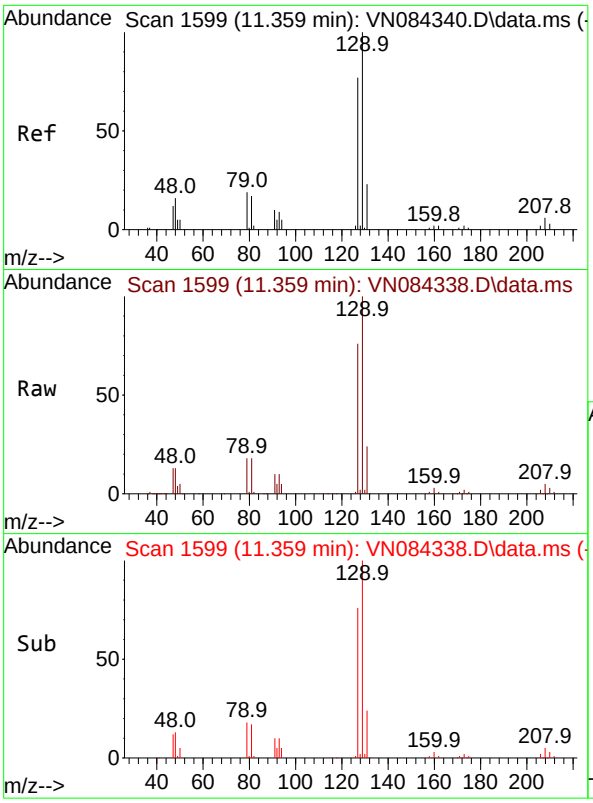


#52
1,3-Dichloropropane
Concen: 98.740 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 76 Resp: 387077

Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.2



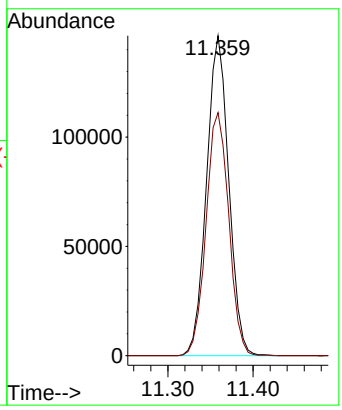


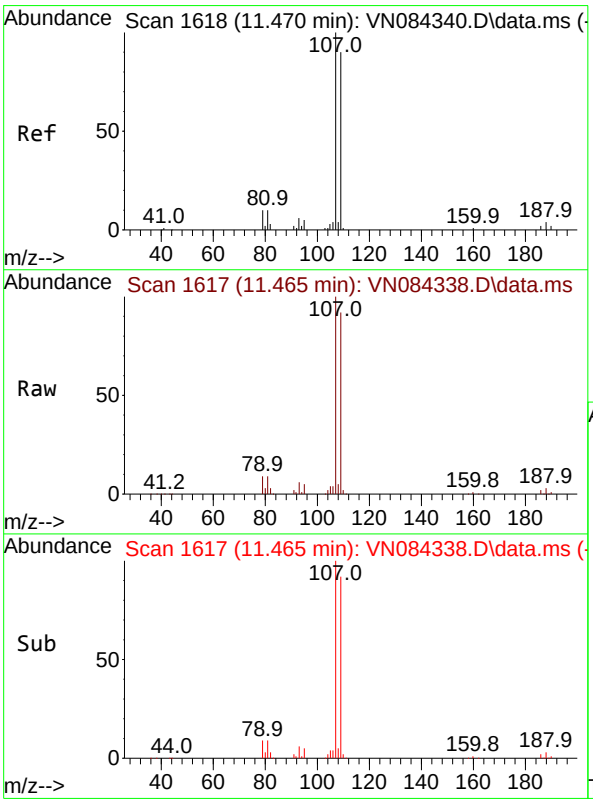
#53
Dibromochloromethane
Concen: 99.925 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:129 Resp: 264647

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5

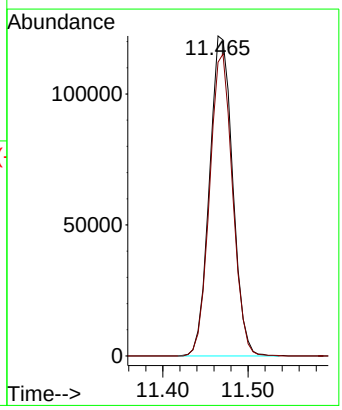


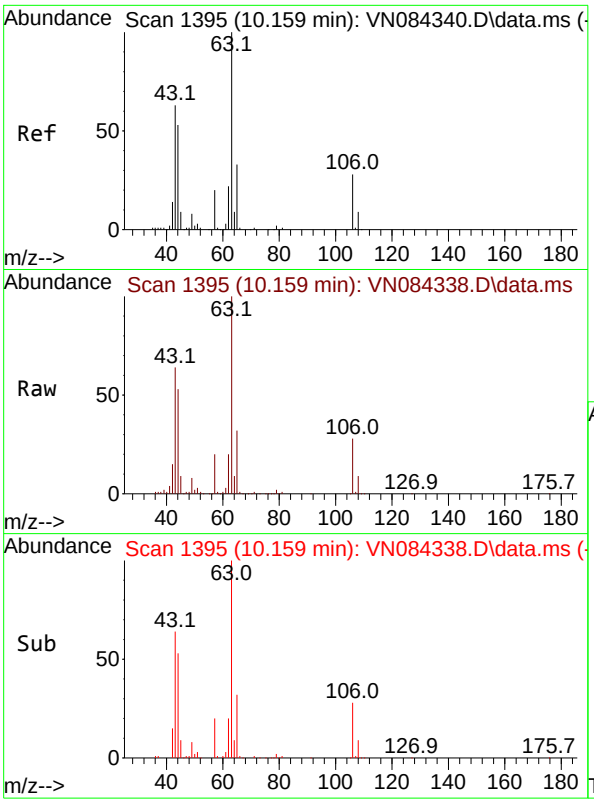


#54
1,2-Dibromoethane
Concen: 99.892 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:107 Resp: 230529

Ion	Ratio	Lower	Upper
107	100		
109	93.4	73.8	110.6



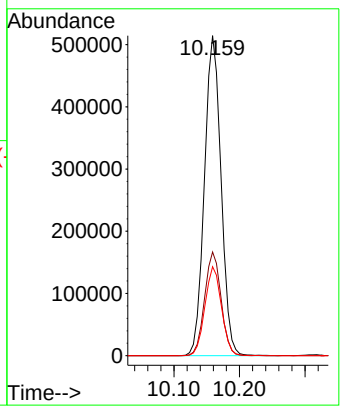


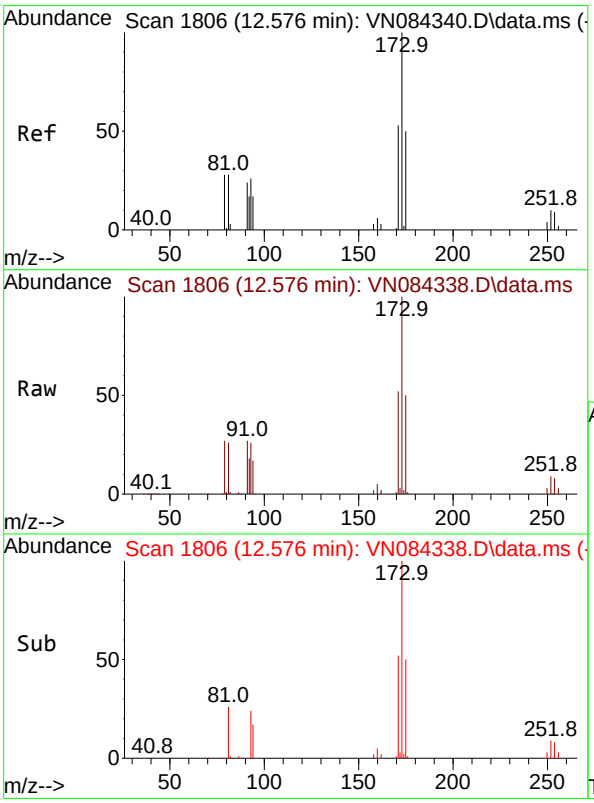
#55
2-Chloroethyl vinyl ether
Concen: 539.636 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 906371

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.7	21.6	32.4

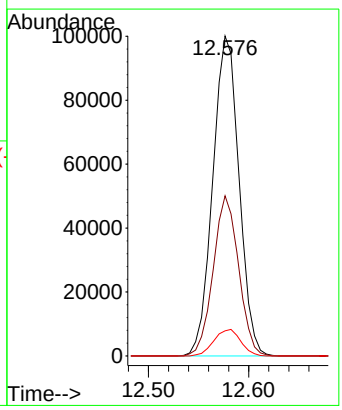


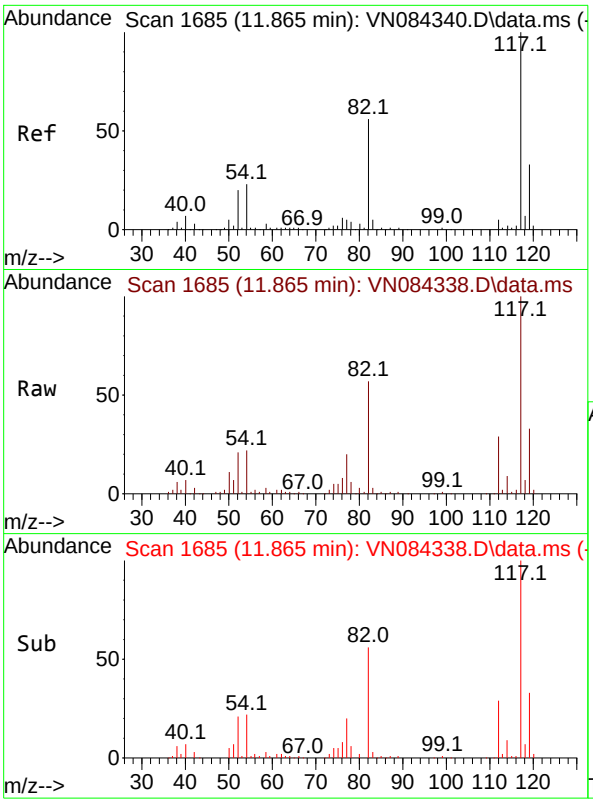


#56
Bromoform
Concen: 103.603 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:173 Resp: 181985

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.4	59.2
254	8.5	6.8	10.2



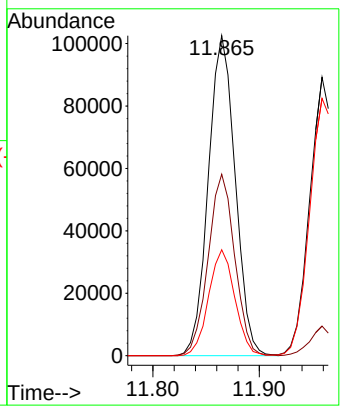


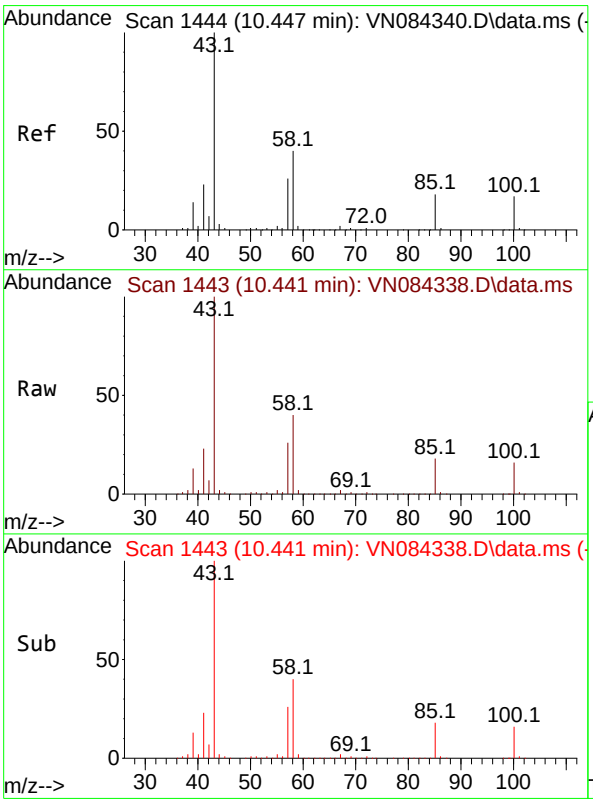
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 179975

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.2	69.4
119	32.3	25.4	38.2

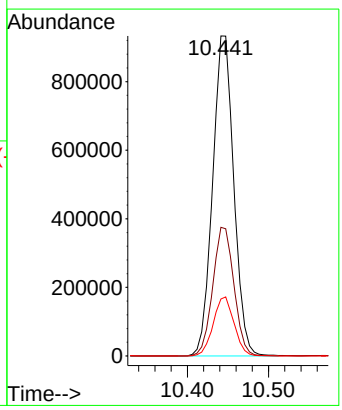


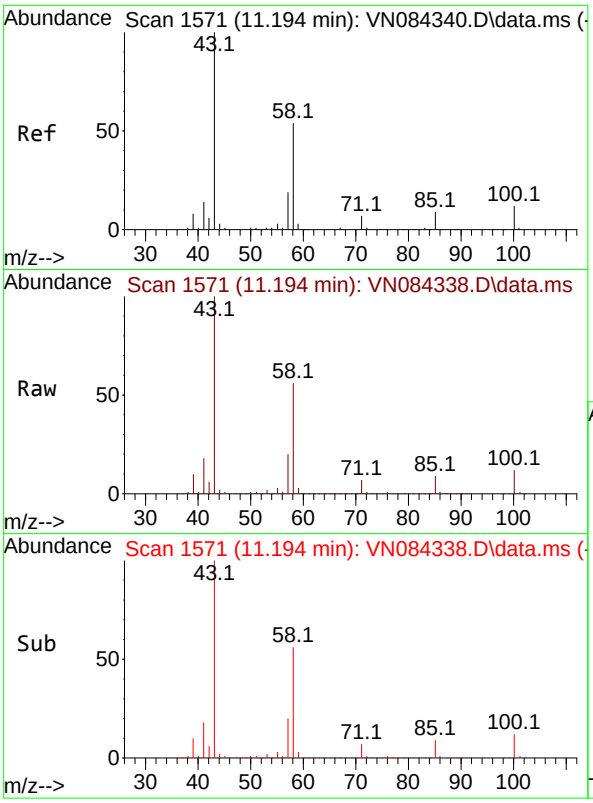


#58
4-Methyl-2-Pentanone
Concen: 505.272 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 43 Resp: 1693999

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.9	47.9
85	18.2	14.6	22.0



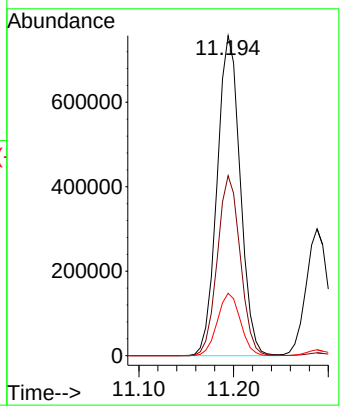


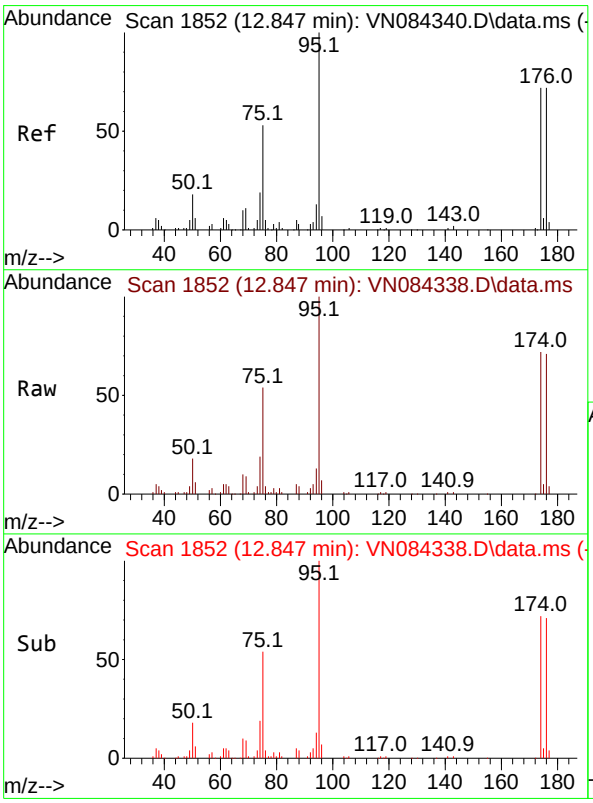
#59
2-Hexanone
Concen: 515.092 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1283238

Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.0	66.0
57	19.5	15.4	23.2

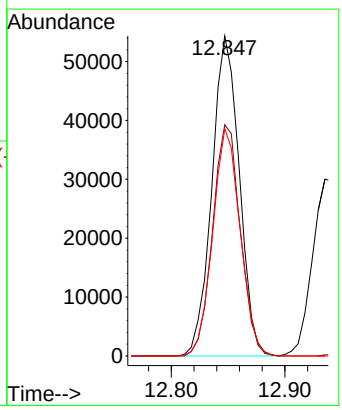


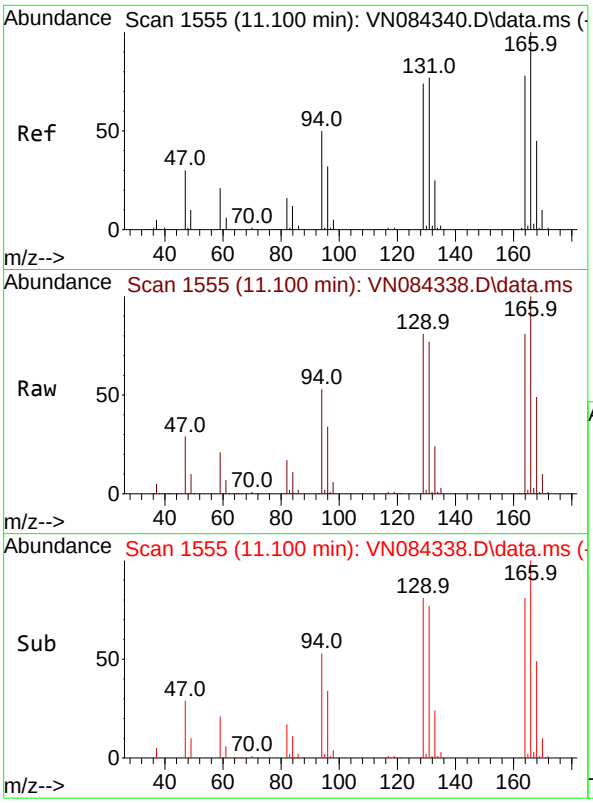


#60
4-Bromofluorobenzene
Concen: 30.664 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 95 Resp: 91083

Ion	Ratio	Lower	Upper
95	100		
174	72.9	58.2	87.2
176	71.2	56.4	84.6



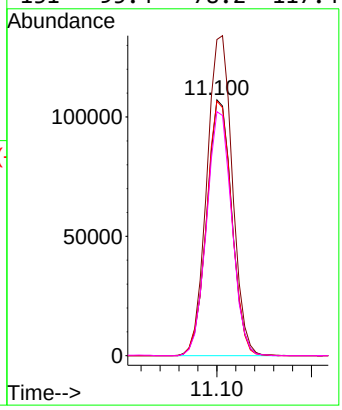


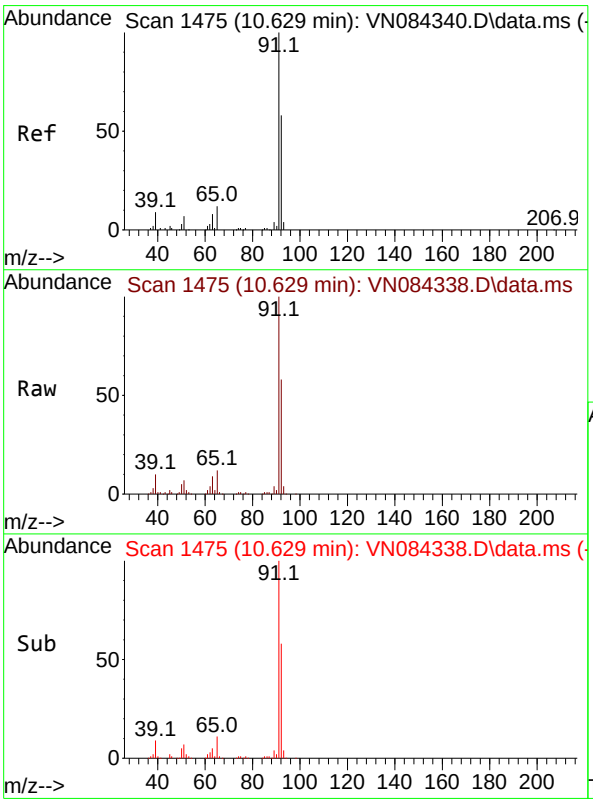
#61
Tetrachloroethene
Concen: 96.610 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:164 Resp: 196676

Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.5	153.7
129	99.5	75.7	113.5
131	95.4	78.2	117.4

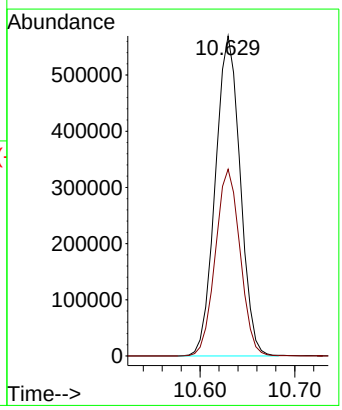


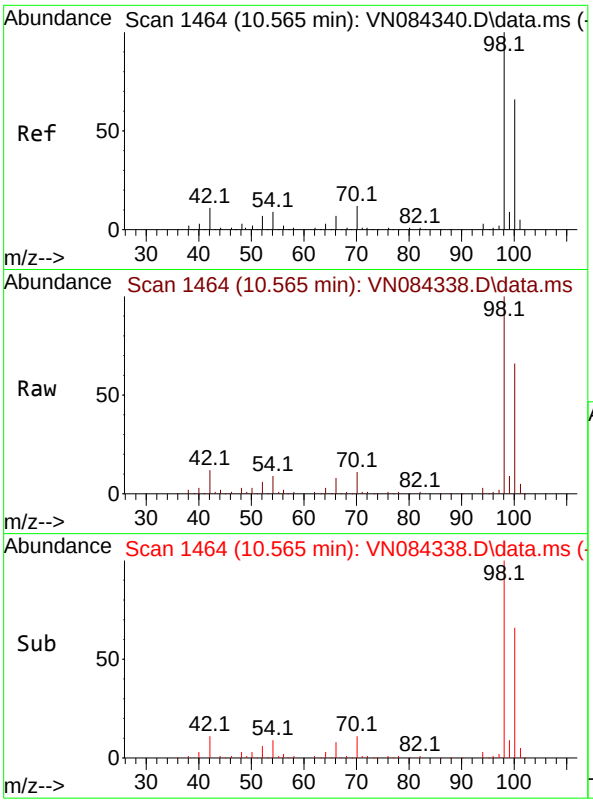


#62
Toluene
Concen: 98.609 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 1038960

Ion	Ratio	Lower	Upper
91	100		
92	58.1	47.2	70.8



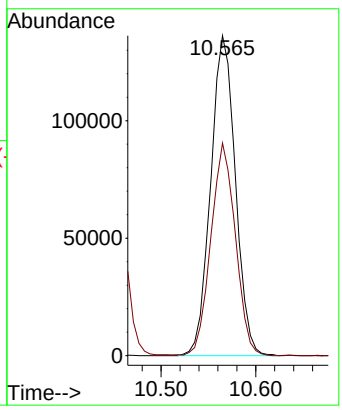


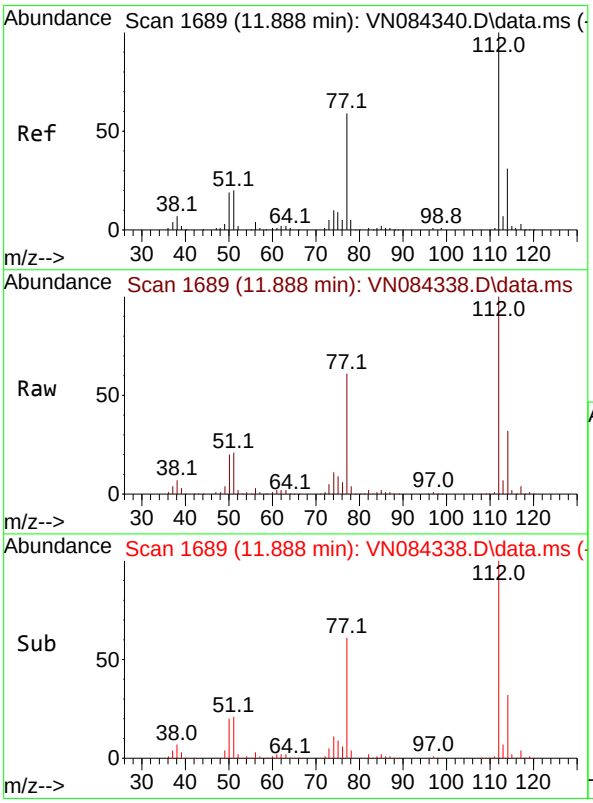
#63
Toluene-d8
Concen: 29.656 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 98 Resp: 247263

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7

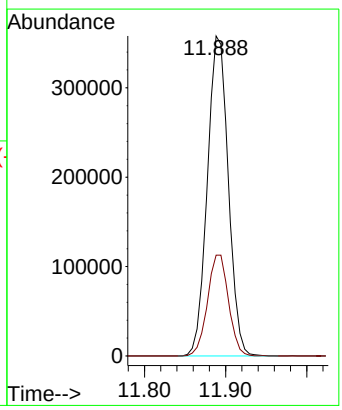


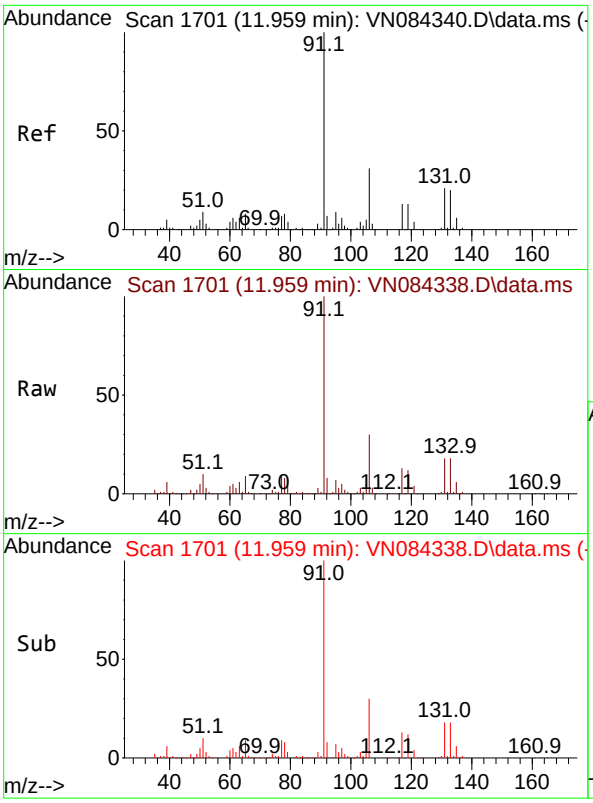


#64
Chlorobenzene
Concen: 97.777 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:112 Resp: 641078

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7



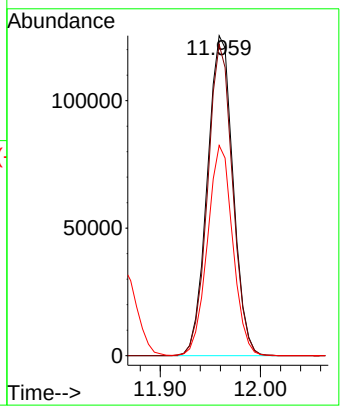


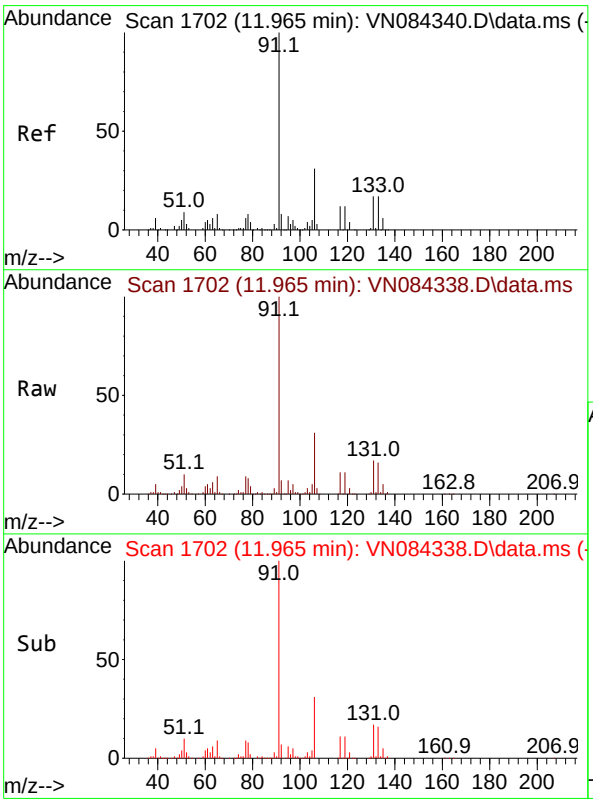
#65
1,1,1,2-Tetrachloroethane
Concen: 98.384 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:131 Resp: 224096

Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	190.4
119	64.5	0.0	130.0

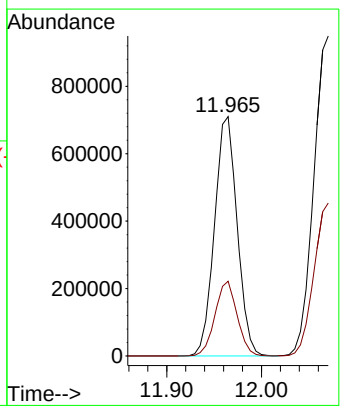


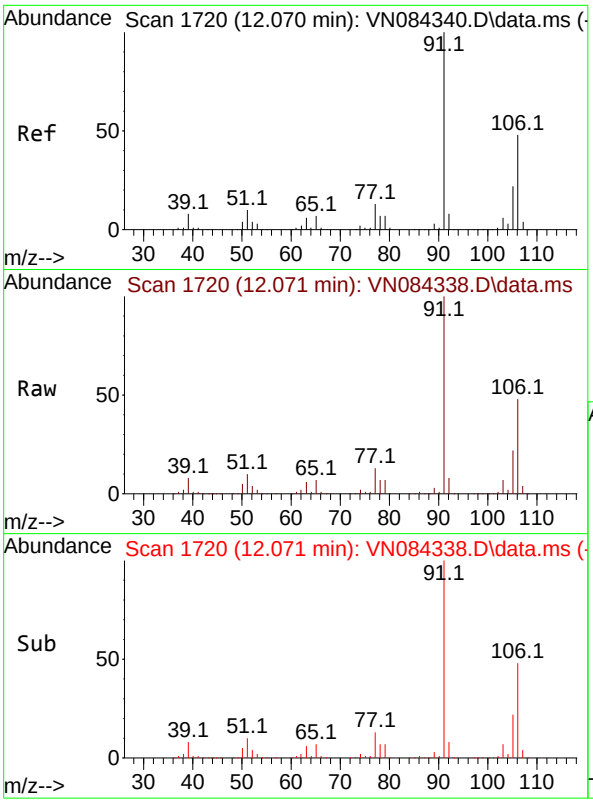


#66
Ethyl Benzene
Concen: 103.195 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 1181271

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.2	37.8



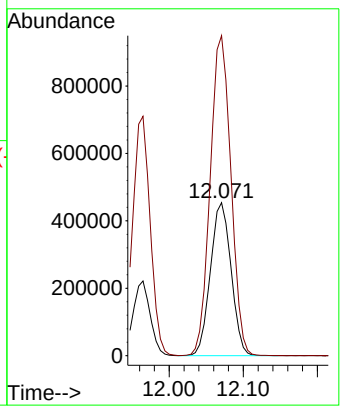


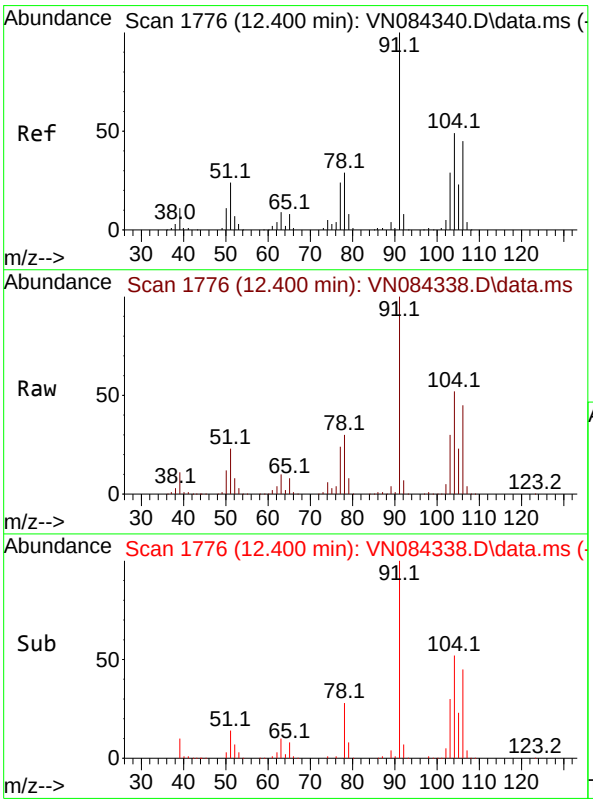
#67
m/p-Xylenes
Concen: 202.285 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 878405

Ion	Ratio	Lower	Upper
106	100		
91	209.9	166.7	250.1

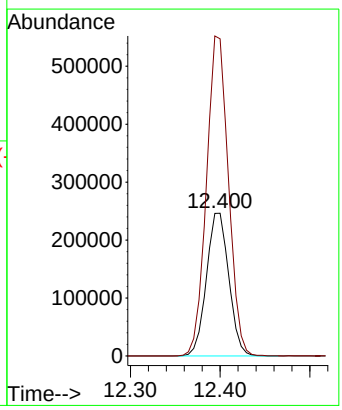


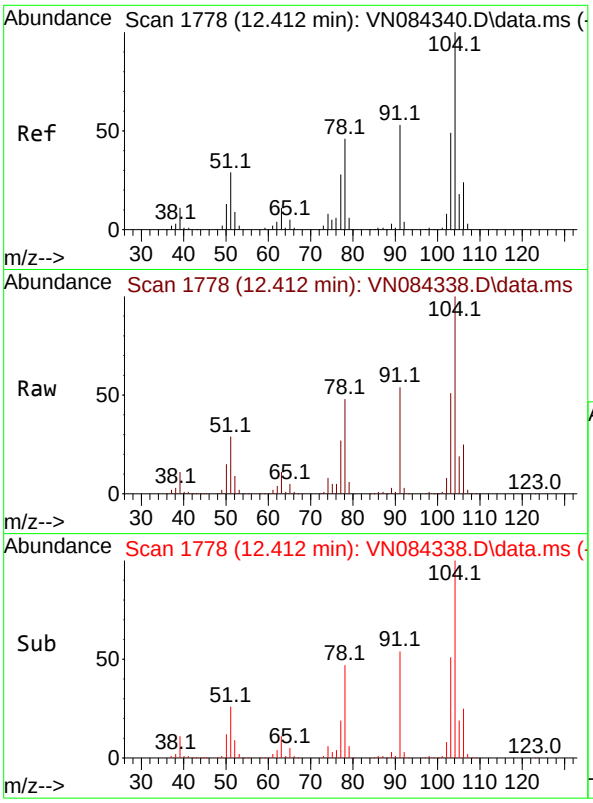


#68
o-Xylene
Concen: 101.792 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:106 Resp: 426068

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.9	332.9



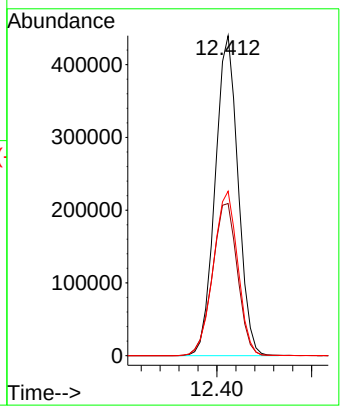


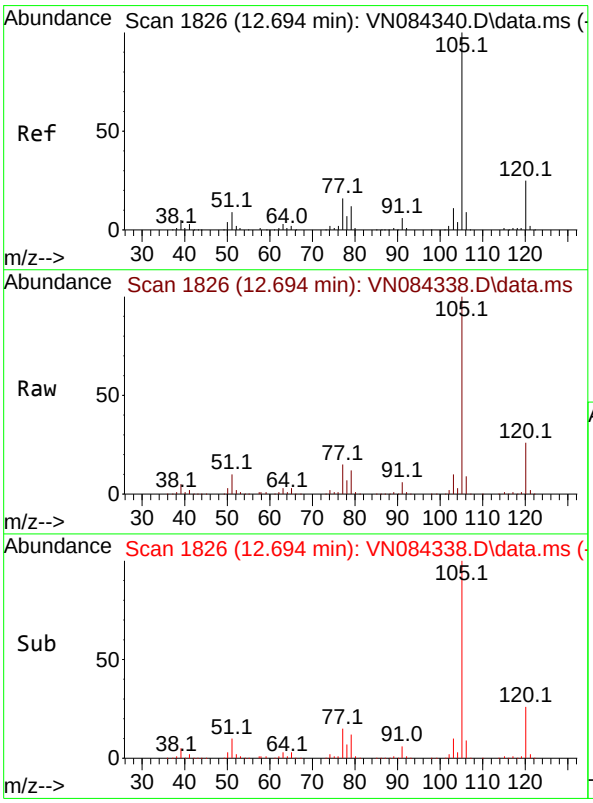
#69
Styrene
Concen: 102.854 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:104 Resp: 739030

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.6	62.4
103	55.0	44.4	66.6

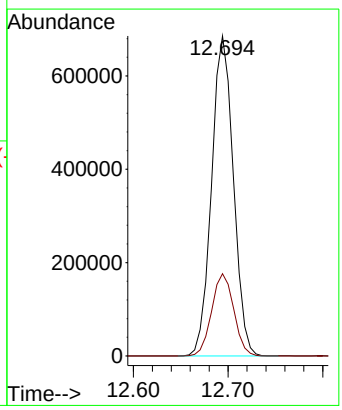


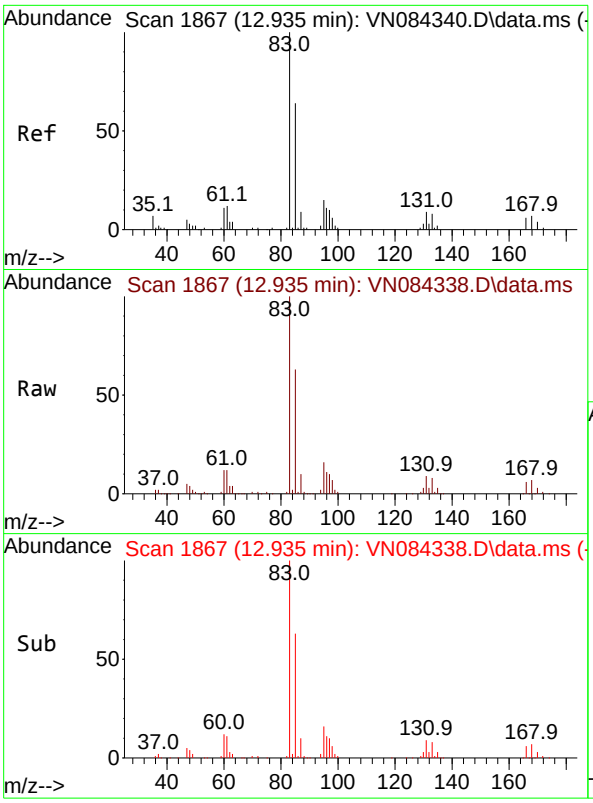


#70
Isopropylbenzene
Concen: 102.602 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 1096352

Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.4	32.4



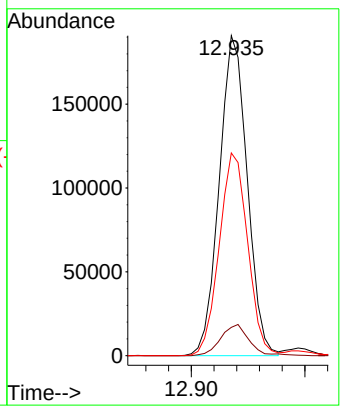


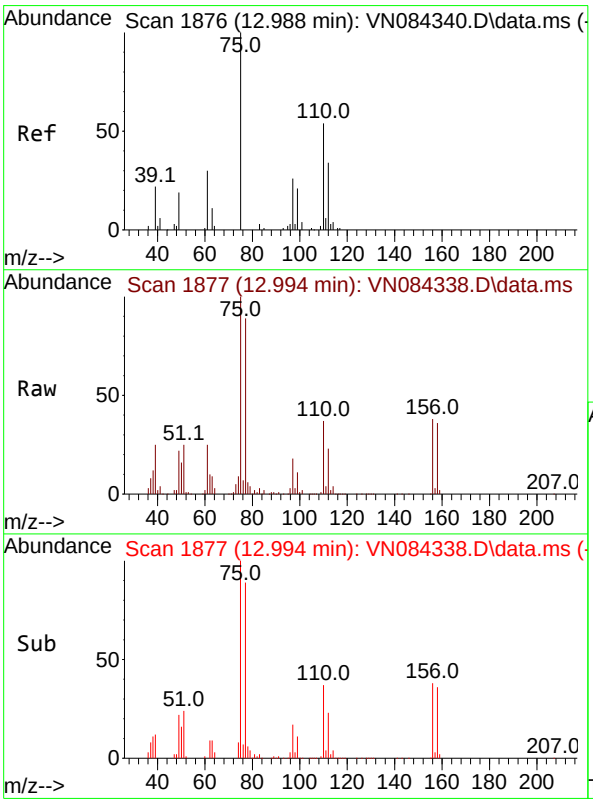
#71
1,1,2,2-Tetrachloroethane
Concen: 98.744 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 326404

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.3
85	64.5	32.0	96.2

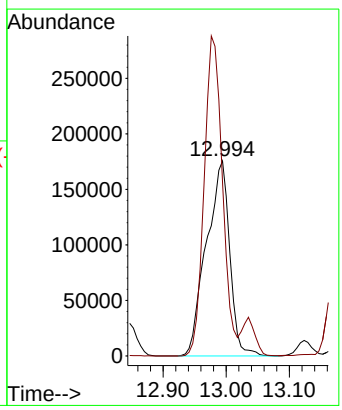


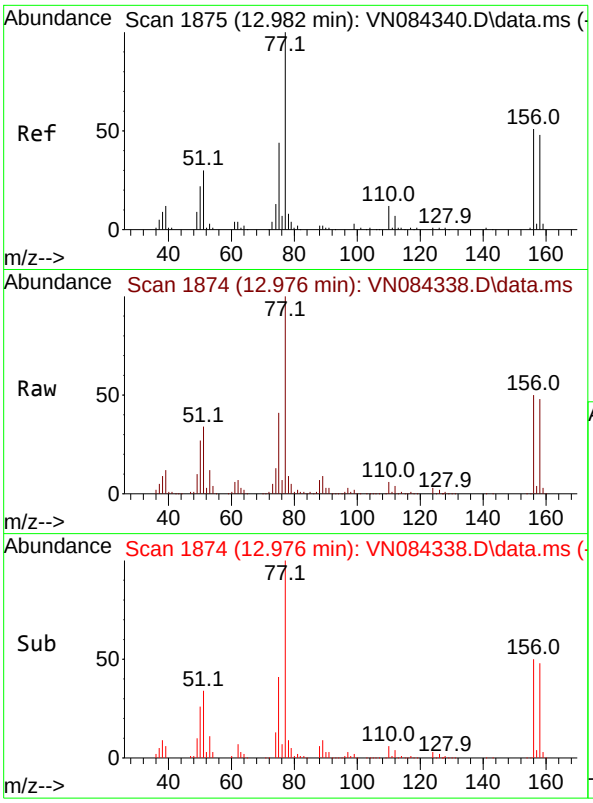


#72
1,2,3-Trichloropropane
Concen: 159.275 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 450285

Ion	Ratio	Lower	Upper
75	100		
77	128.6	0.0	414.0



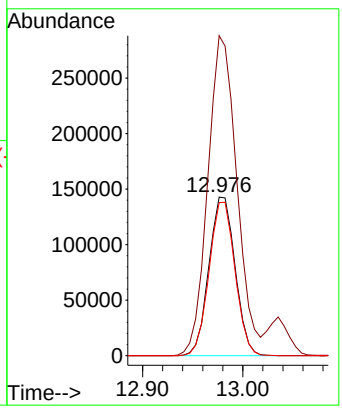


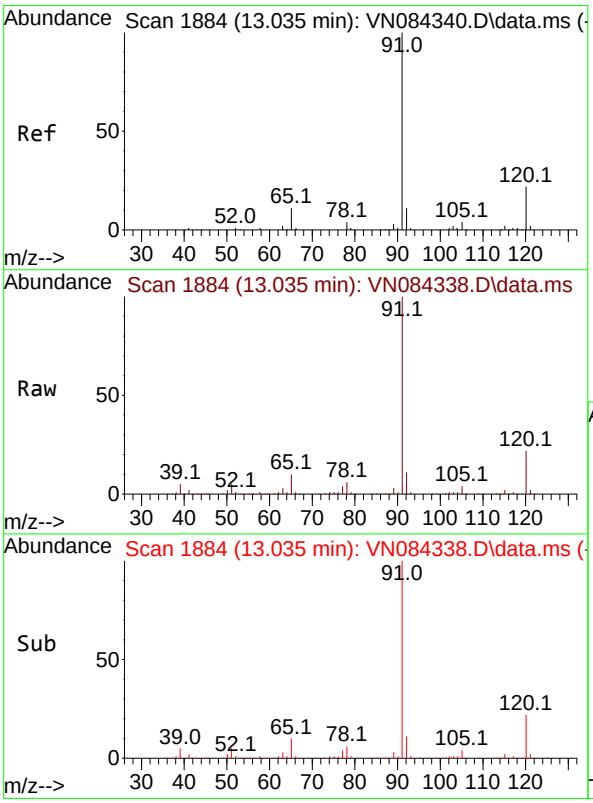
#73
Bromobenzene
Concen: 99.991 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 258761

Ion	Ratio	Lower	Upper
156	100		
77	223.7	0.0	451.0
158	95.8	0.0	194.6

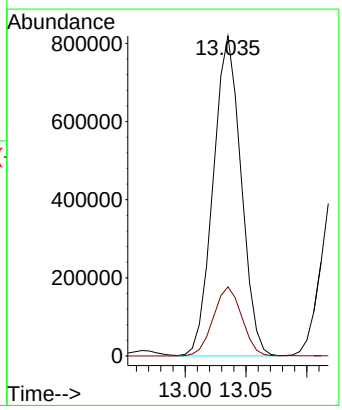


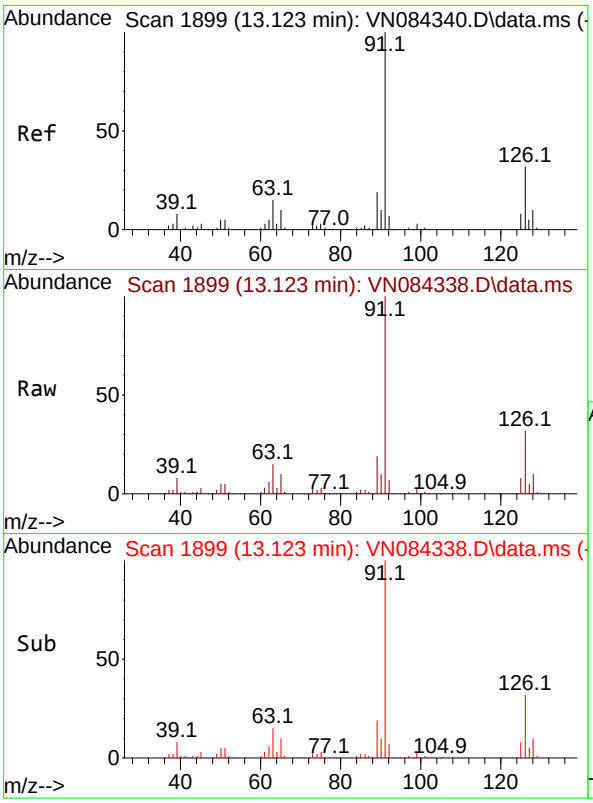


#74
n-propylbenzene
Concen: 102.573 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 1306104

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	43.2



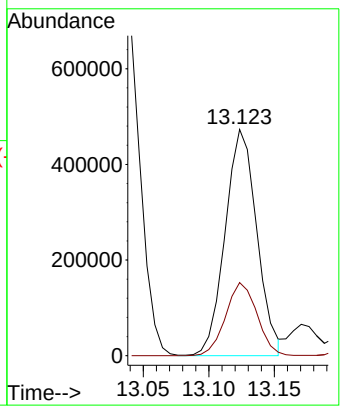


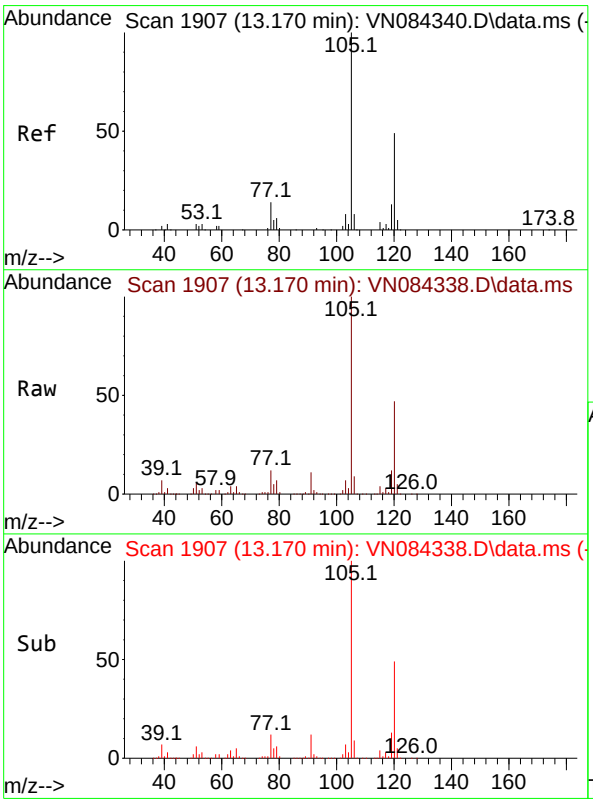
#75
2-Chlorotoluene
Concen: 100.748 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 797168

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0

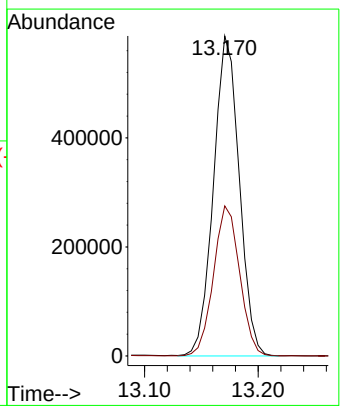


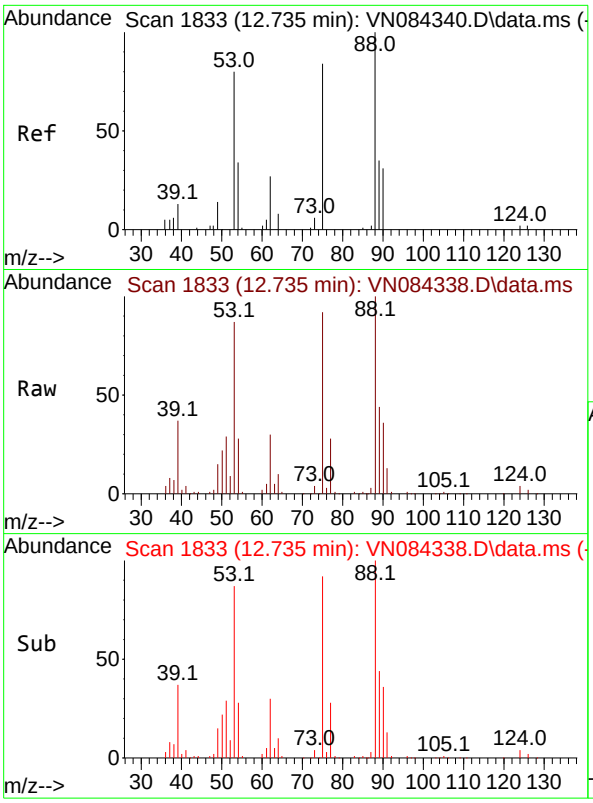


#76
1,3,5-Trimethylbenzene
Concen: 102.861 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 925442

Ion	Ratio	Lower	Upper
105	100		
120	47.6	0.0	94.4



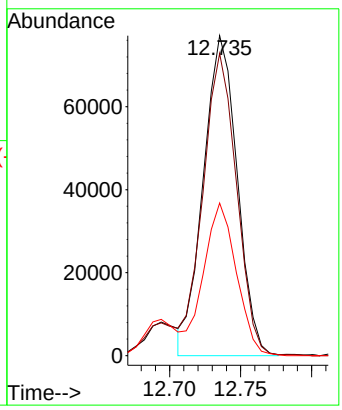


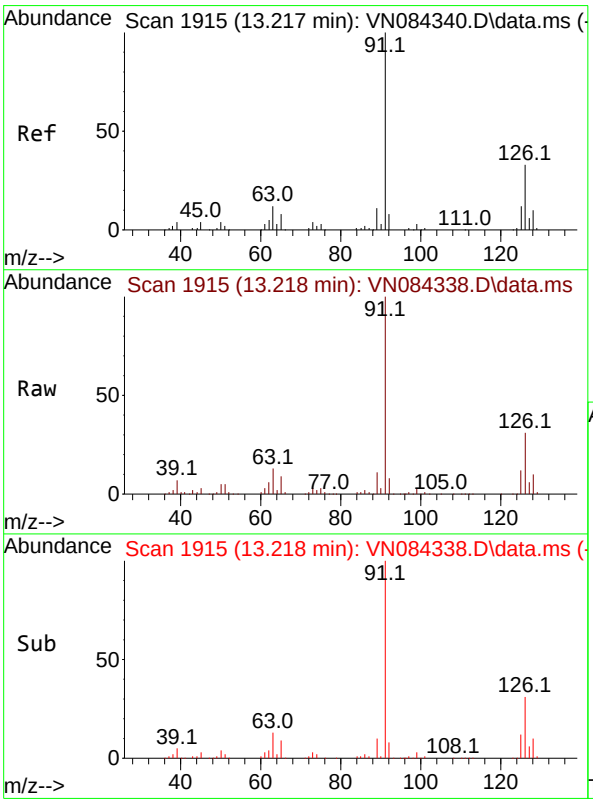
#77
t-1,4-Dichloro-2-butene
Concen: 105.874 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 128080

Ion	Ratio	Lower	Upper
75	100		
53	94.4	47.3	142.0
89	47.6	22.9	68.8

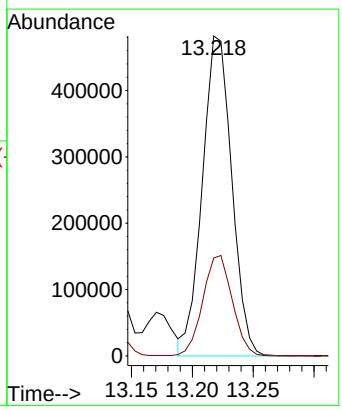


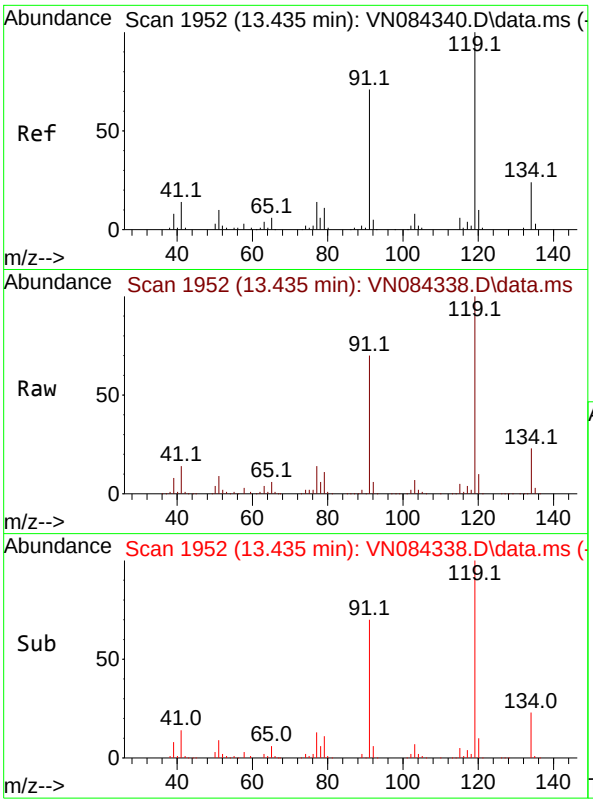


#78
4-Chlorotoluene
Concen: 100.932 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 91 Resp: 811956

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.4



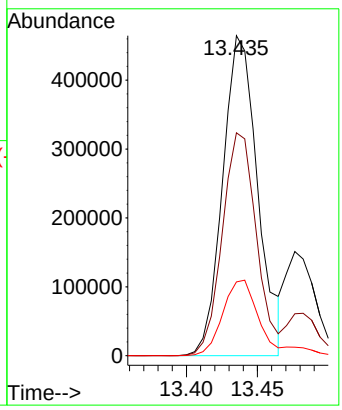


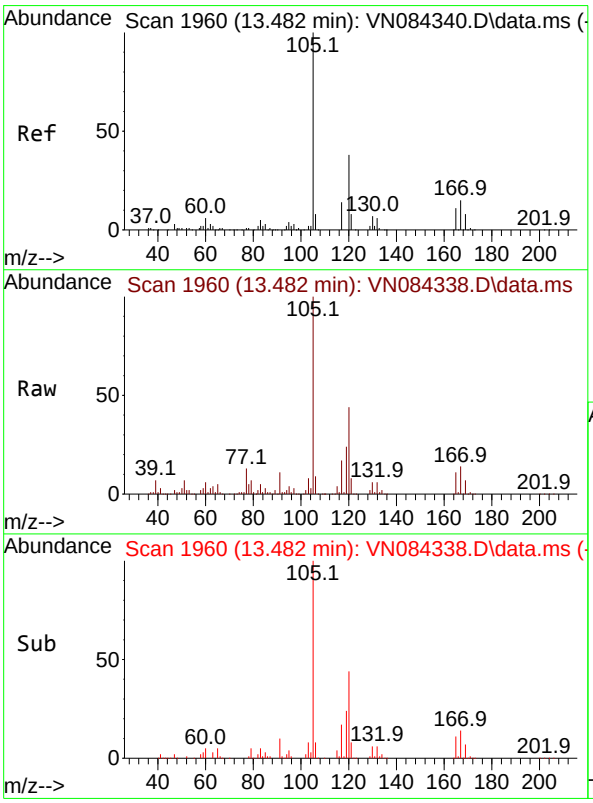
#79
tert-butylbenzene
Concen: 103.950 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 797890

Ion	Ratio	Lower	Upper
119	100		
91	68.0	0.0	138.0
134	23.4	0.0	48.8

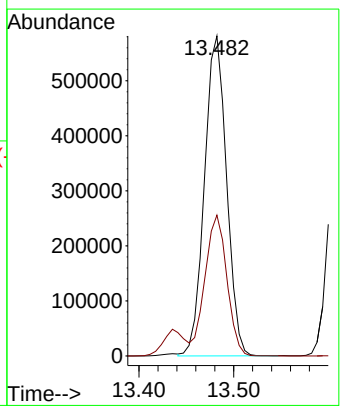


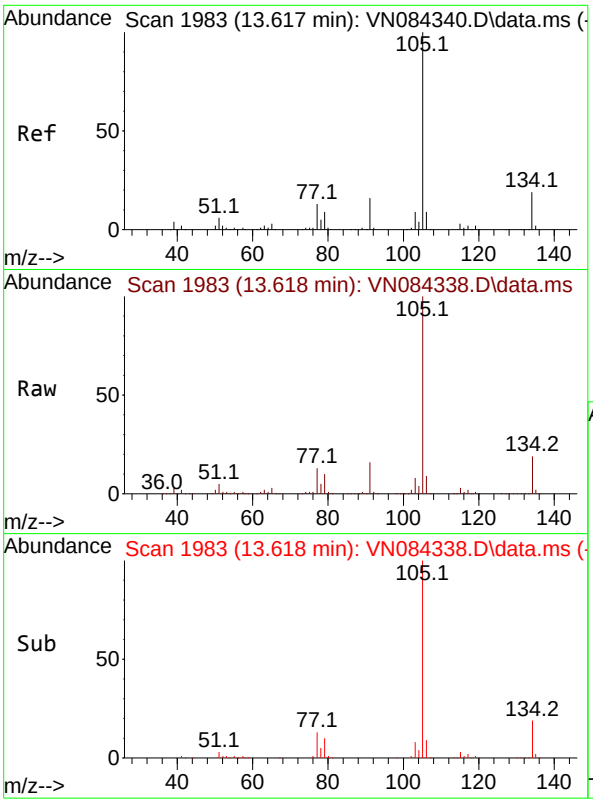


#80
1,2,4-Trimethylbenzene
Concen: 102.973 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:105 Resp: 940023

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	88.8



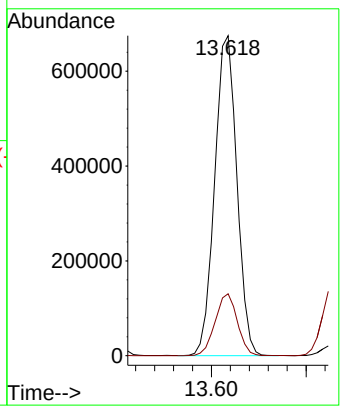


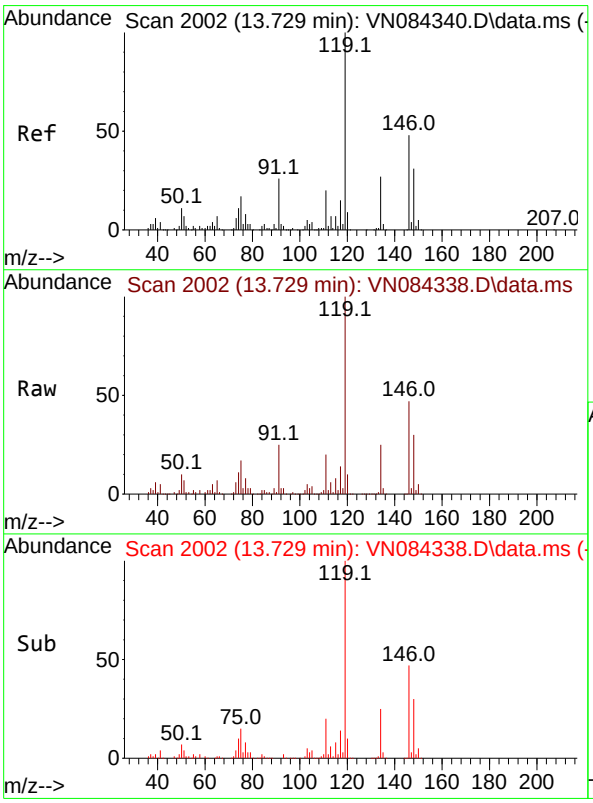
#81
sec-Butylbenzene
Concen: 103.955 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1098551

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	38.0

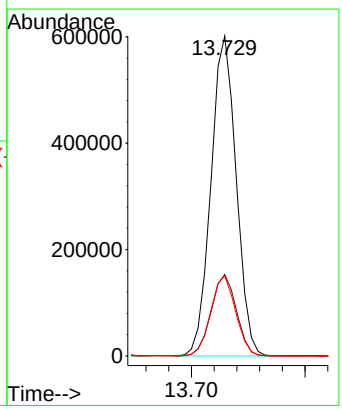


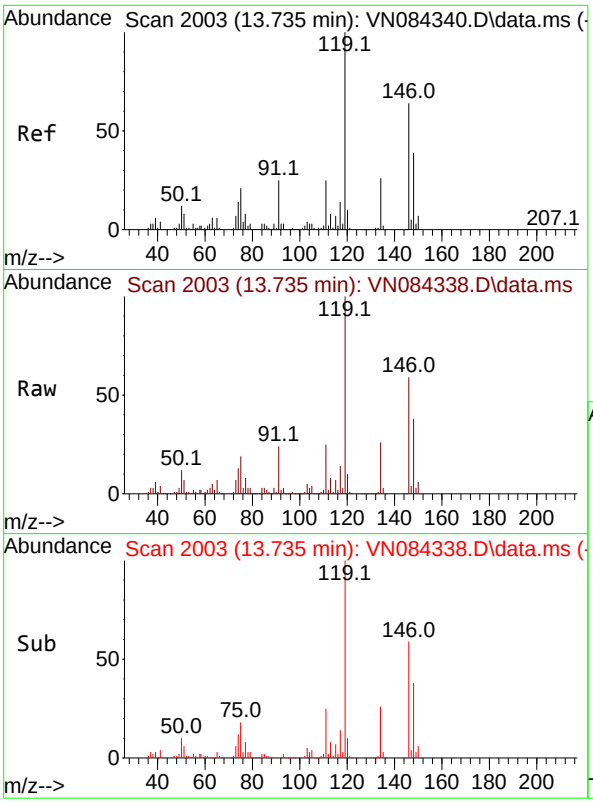


#82
p-Isopropyltoluene
Concen: 104.480 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:119 Resp: 929312

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.2
91	24.8	0.0	50.6



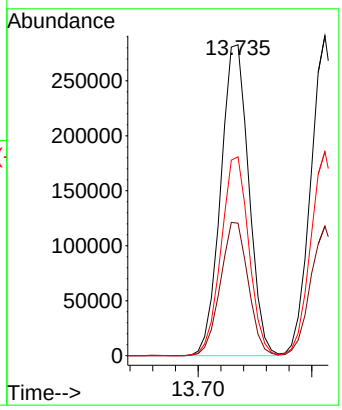


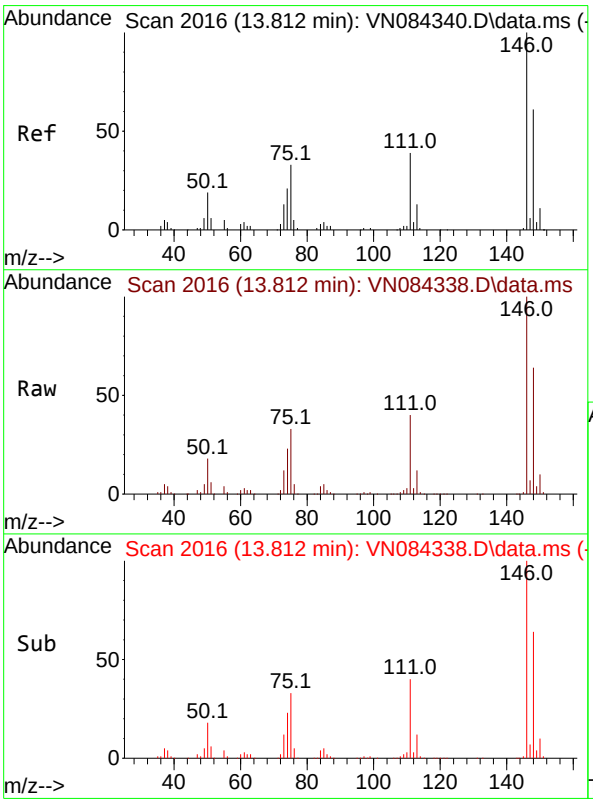
#83
1,3-Dichlorobenzene
Concen: 101.078 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 486367

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.9
148	63.0	31.6	94.7

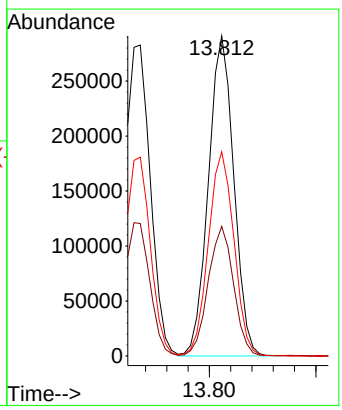


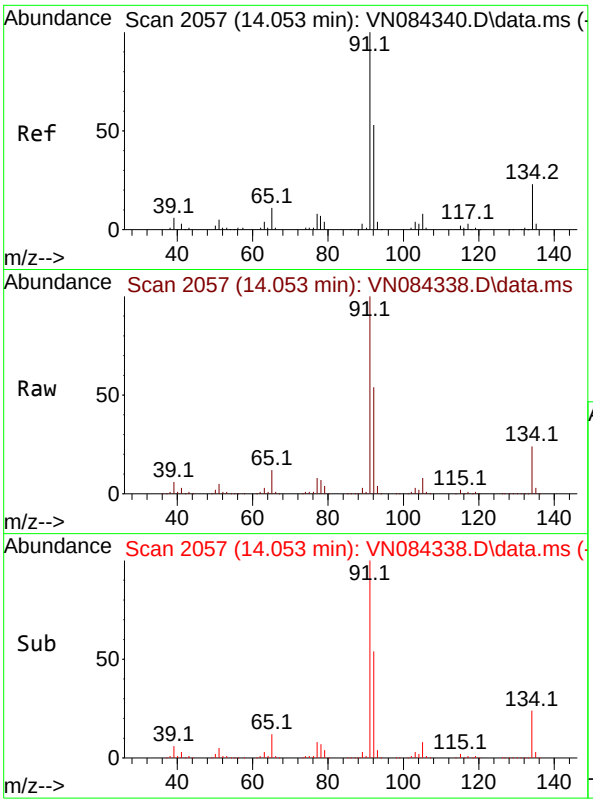


#84
1,4-Dichlorobenzene
Concen: 101.080 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:146 Resp: 482980

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	64.2	32.5	97.4



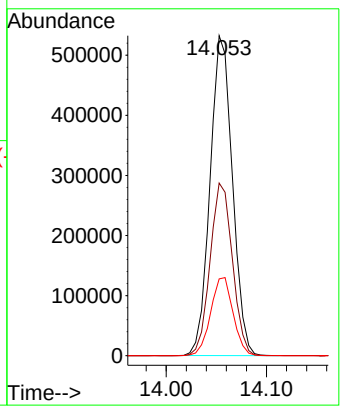


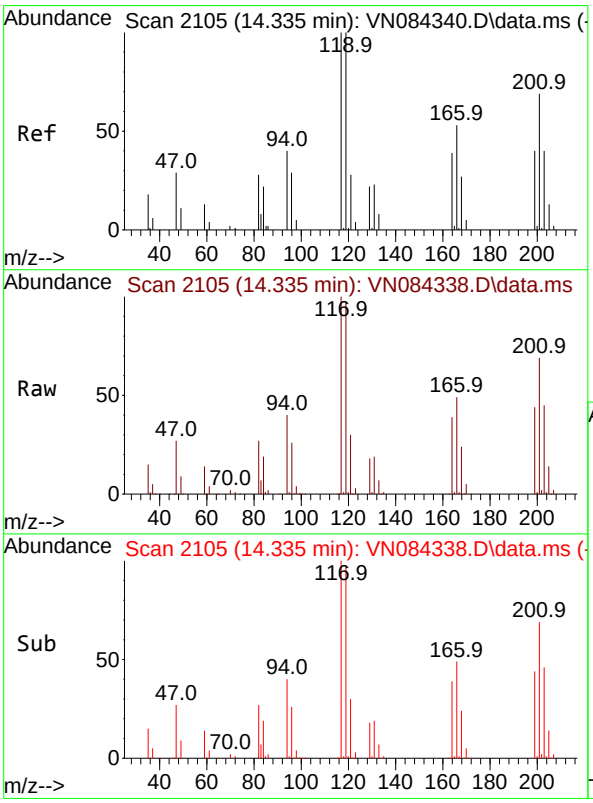
#85
n-Butylbenzene
Concen: 106.755 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 822416

Ion	Ratio	Lower	Upper
91	100		
92	53.9	0.0	103.4
134	24.6	0.0	48.0

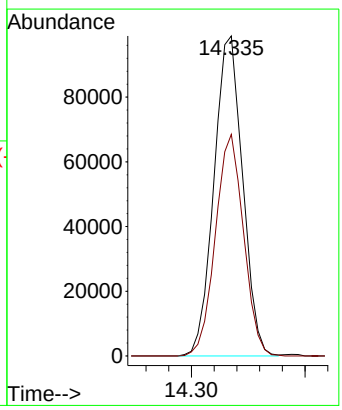


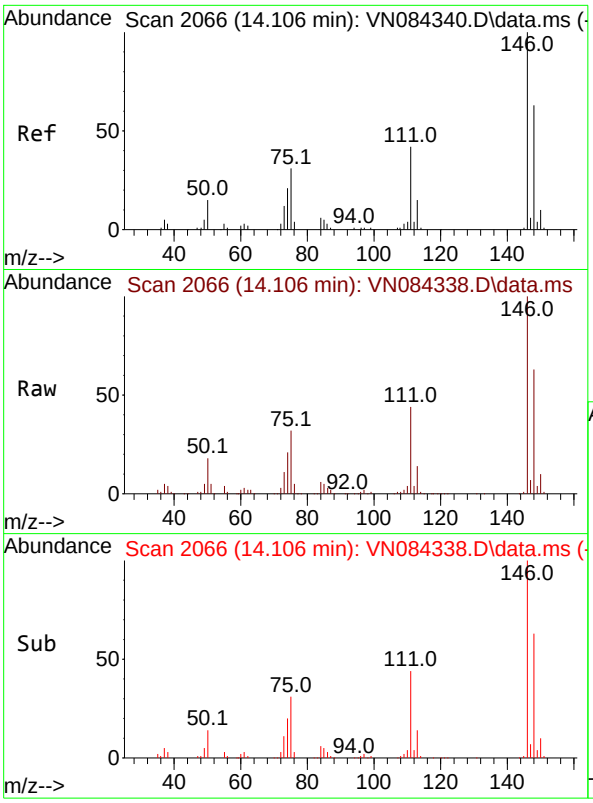


#86
Hexachloroethane
Concen: 101.121 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:117 Resp: 173285

Ion	Ratio	Lower	Upper
117	100		
201	67.9	33.9	101.6



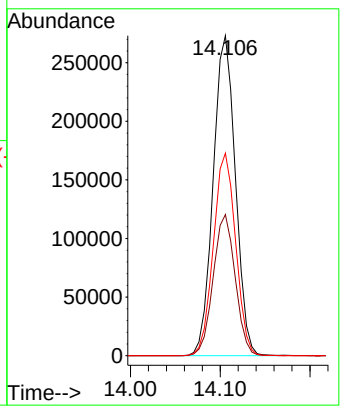


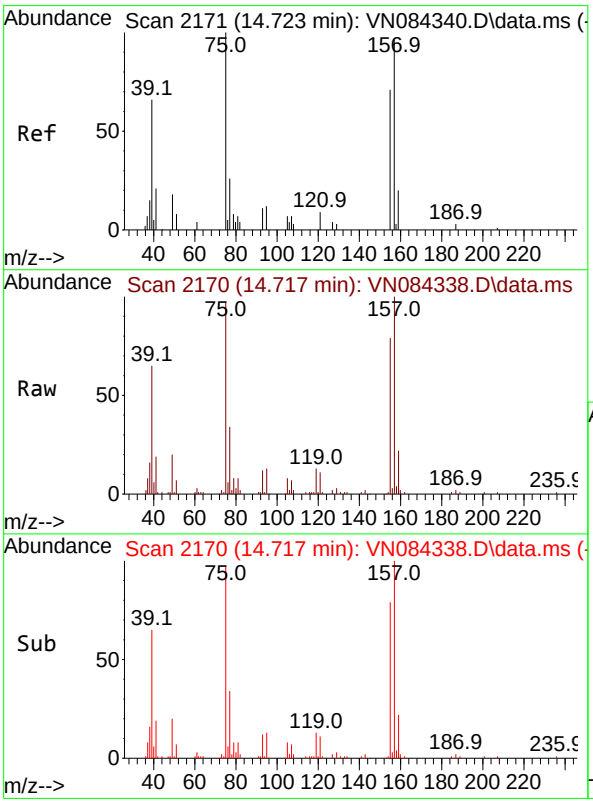
#87
1,2-Dichlorobenzene
Concen: 100.954 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 469667

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	63.4	31.1	93.5

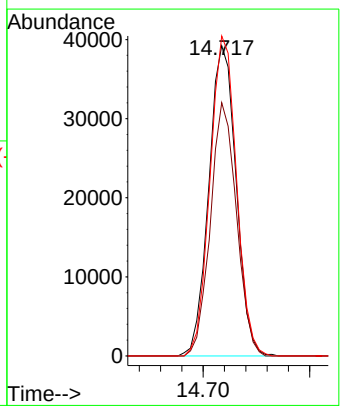


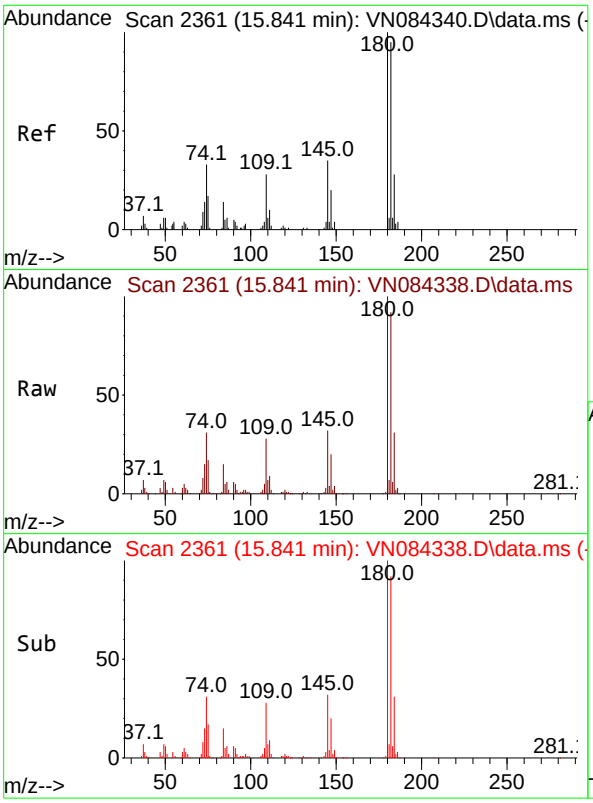


#88
1,2-Dibromo-3-Chloropropane
Concen: 103.123 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion: 75 Resp: 69709

Ion	Ratio	Lower	Upper
75	100		
155	77.9	61.8	92.8
157	99.8	77.4	116.0



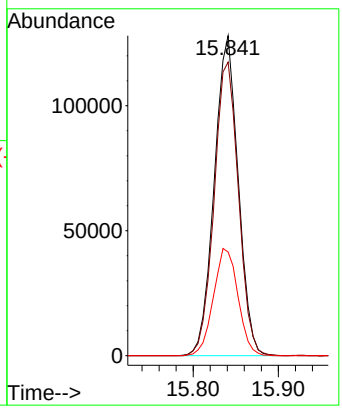


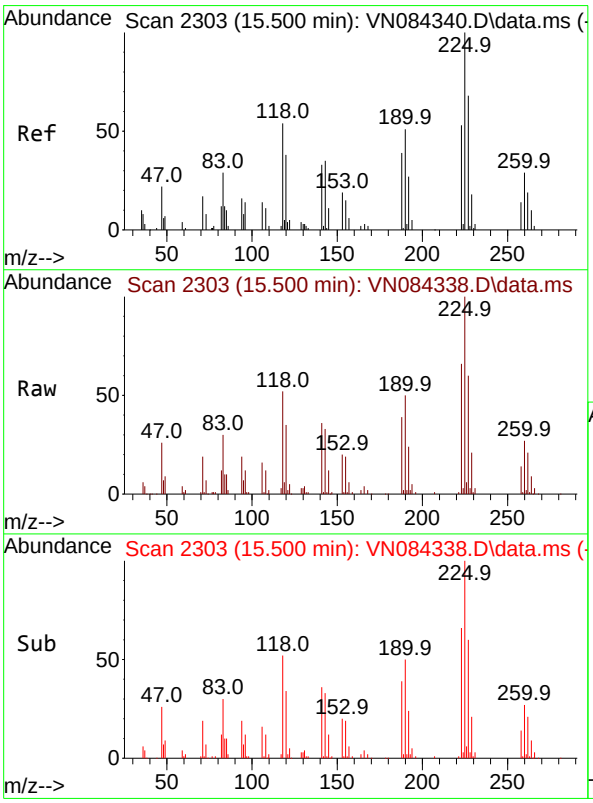
#89
1,2,4-Trichlorobenzene
Concen: 103.221 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 249678

Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.8	116.6
145	34.4	28.9	43.3

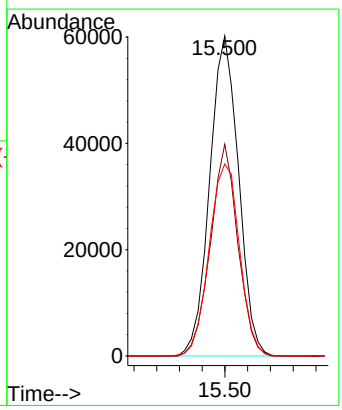


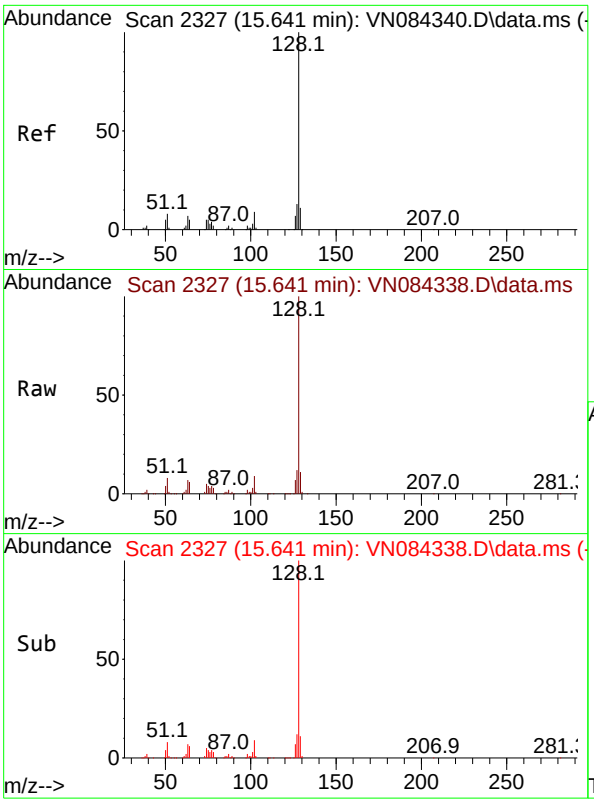


#90
Hexachlorobutadiene
Concen: 94.981 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:225 Resp: 106287

Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	124.0
227	63.1	0.0	130.8



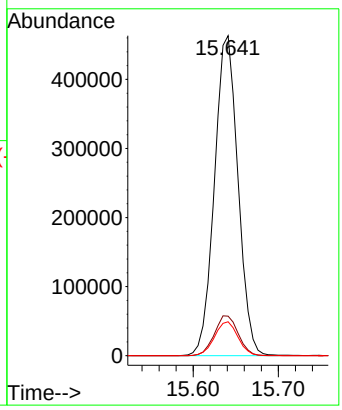


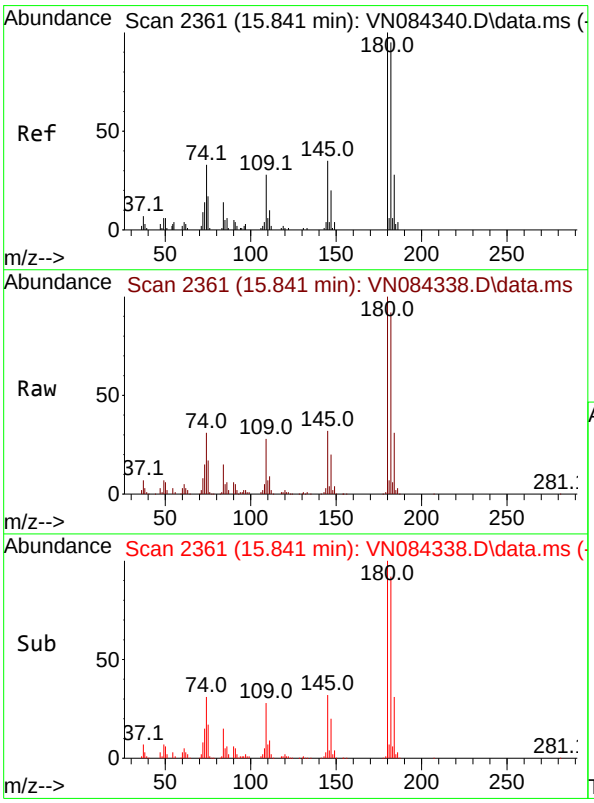
#91
Naphthalene
Concen: 108.388 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 888428

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.8	13.2

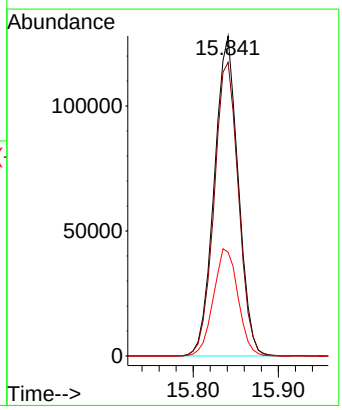




#92
1,2,3-Trichlorobenzene
Concen: 103.221 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084338.D
Acq: 08 Oct 2024 10:07

Tgt Ion:180 Resp: 249678

Ion	Ratio	Lower	Upper
180	100		
182	93.4	0.0	194.4
145	34.4	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084339.D
Acq On : 08 Oct 2024 10:31
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Oct 09 02:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	35466	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	196182	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180971	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84072	29.444	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.133%			
60) 4-Bromofluorobenzene	12.847	95	90206	30.202	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%			
63) Toluene-d8	10.565	98	249414	29.750	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.167%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	104507	48.263	ug/l	96
3) Chloromethane	2.359	50	119618	48.544	ug/l	99
4) Vinyl Chloride	2.512	62	118532	49.052	ug/l	93
5) Bromomethane	2.947	94	73816	46.107	ug/l	98
6) Chloroethane	3.118	64	72586	45.819	ug/l	95
7) Trichlorofluoromethane	3.495	101	192447	48.893	ug/l	94
8) Diethyl Ether	3.959	74	72484	50.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	106319	48.040	ug/l	98
10) 1,1-Dichloroethene	4.342	96	110533	50.053	ug/l	89
11) Methyl Iodide	4.589	142	146194	50.376	ug/l	97
12) Methyl Acetate	5.024	43	143947	52.068	ug/l	95
13) Acrolein	4.177	56	127301	247.880	ug/l	99
14) Acrylonitrile	5.718	53	314551	253.254	ug/l	98
15) Acetone	4.430	58	90377	254.725	ug/l	96
16) Carbon Disulfide	4.712	76	316013	48.056	ug/l	98
17) Allyl chloride	5.024	41	179722	50.205	ug/l	93
18) Methylene Chloride	5.277	84	123536	49.660	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	115099	49.248	ug/l	89
20) Diisopropyl ether	6.671	45	387668	50.368	ug/l	96
21) 1,1-Dichloroethane	6.571	63	216289	48.975	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	135603	49.862	ug/l	100
23) tert-Butyl Alcohol	5.524	59	121932	255.936	ug/l #	100
25) Chloroform	7.965	83	224326	50.153	ug/l	99
26) Cyclohexane	8.259	56	182672	49.456	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	159132	49.412	ug/l	99
30) 2-Butanone	7.482	43	438443	255.703	ug/l	99
31) 2,2-Dichloropropane	7.488	77	186163	49.191	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	202531	49.200	ug/l	99
33) Carbon Tetrachloride	8.359	117	173775	48.728	ug/l	94
34) Benzene	8.606	78	494102	49.013	ug/l	96
35) Methacrylonitrile	7.777	41	94562	51.695	ug/l	96
36) 1,2-Dichloroethane	8.671	62	165947	49.385	ug/l	100
37) Trichloroethene	9.353	130	112853	48.615	ug/l	98
38) Methylcyclohexane	9.600	83	175023	49.477	ug/l	99
39) 1,2-Dichloropropane	9.618	63	118717	48.292	ug/l	98
40) Dibromomethane	9.706	93	84017	48.900	ug/l	98
41) Bromodichloromethane	9.888	83	179758	49.283	ug/l	92
42) Vinyl Acetate	6.606	43	1520354	254.948	ug/l	100
43) Ethyl Acetate	7.559	43	168929	49.954	ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084339.D
Acq On : 08 Oct 2024 10:31
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Oct 09 02:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	8.688	43	281915	50.934	ug/l	99
45) 1,4-Dioxane	9.694	88	51791	1038.003	ug/l	95
46) Methyl methacrylate	9.682	41	137372	51.368	ug/l	98
47) n-amyl Acetate	12.494	43	251442	51.073	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	187402	49.721	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	197144	49.908	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	114315	49.500	ug/l	98
51) Ethyl methacrylate	10.871	69	198002	51.907	ug/l	96
52) 1,3-Dichloropropane	11.165	76	198343	49.119	ug/l	99
53) Dibromochloromethane	11.359	129	135901	49.816	ug/l	99
54) 1,2-Dibromoethane	11.470	107	118129	49.693	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	439901	254.264	ug/l	99
56) Bromoform	12.576	173	90199	49.851	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	864518	256.442	ug/l	100
59) 2-Hexanone	11.194	43	654698	261.350	ug/l	100
61) Tetrachloroethene	11.100	164	100050	48.875	ug/l	97
62) Toluene	10.629	91	526619	49.707	ug/l	99
64) Chlorobenzene	11.888	112	323202	49.023	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	114617	50.043	ug/l	99
66) Ethyl Benzene	11.965	91	582229	50.583	ug/l	99
67) m/p-Xylenes	12.070	106	446529	102.264	ug/l	99
68) o-Xylene	12.400	106	213661	50.765	ug/l	99
69) Styrene	12.412	104	369695	51.169	ug/l	99
70) Isopropylbenzene	12.694	105	546834	50.894	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	167855	50.500	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	225292	79.252	ug/l	49
73) Bromobenzene	12.982	156	131272	50.447	ug/l	98
74) n-propylbenzene	13.035	91	650890	50.836	ug/l	99
75) 2-Chlorotoluene	13.123	91	396493	49.834	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	461964	51.064	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	63656	52.330	ug/l	96
78) 4-Chlorotoluene	13.223	91	407771	50.410	ug/l	99
79) tert-butylbenzene	13.435	119	394929	51.169	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	467589	50.939	ug/l	100
81) sec-Butylbenzene	13.617	105	541224	50.934	ug/l	99
82) p-Isopropyltoluene	13.729	119	451993	50.537	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	243731	50.374	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	237600	49.452	ug/l	99
85) n-Butylbenzene	14.053	91	392578	50.679	ug/l	98
86) Hexachloroethane	14.335	117	85140	49.410	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	235213	50.280	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	35951	52.891	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	123597	50.816	ug/l	97
90) Hexachlorobutadiene	15.500	225	53904	47.905	ug/l	99
91) Naphthalene	15.641	128	428263	51.960	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	123597	50.816	ug/l	97

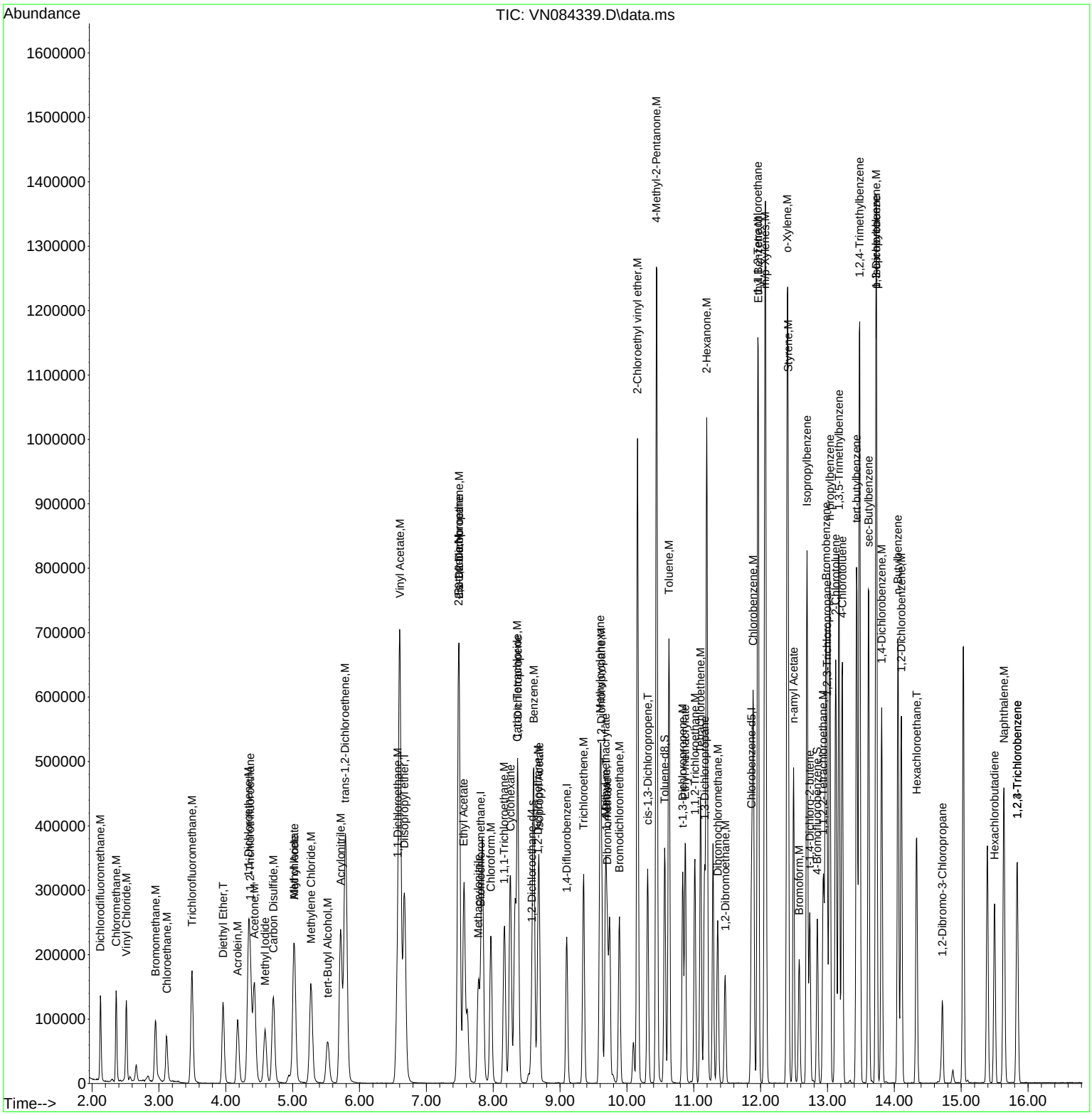
(#) = qualifier out of range (m) = manual integration (+) = signals summed

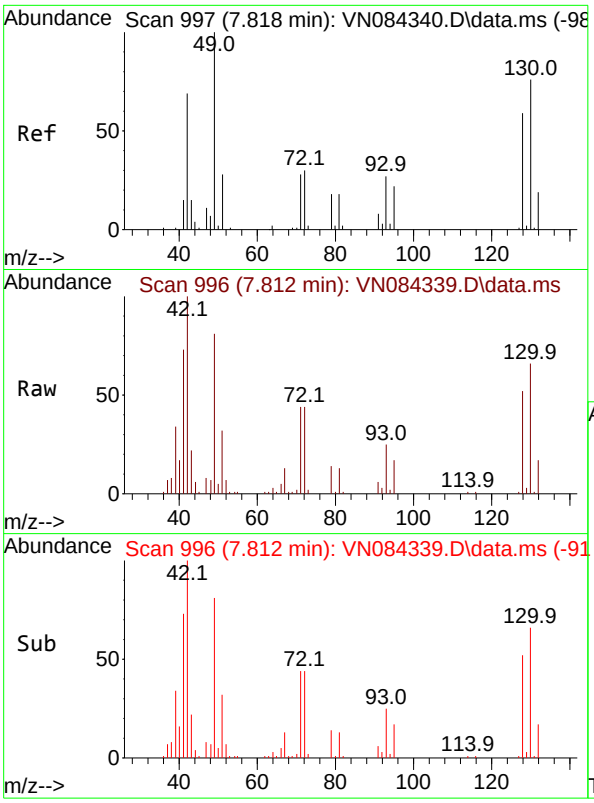
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084339.D
Acq On : 08 Oct 2024 10:31
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Oct 09 02:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration



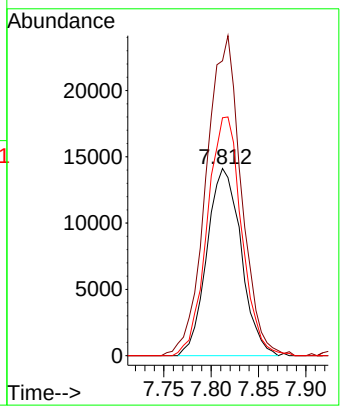


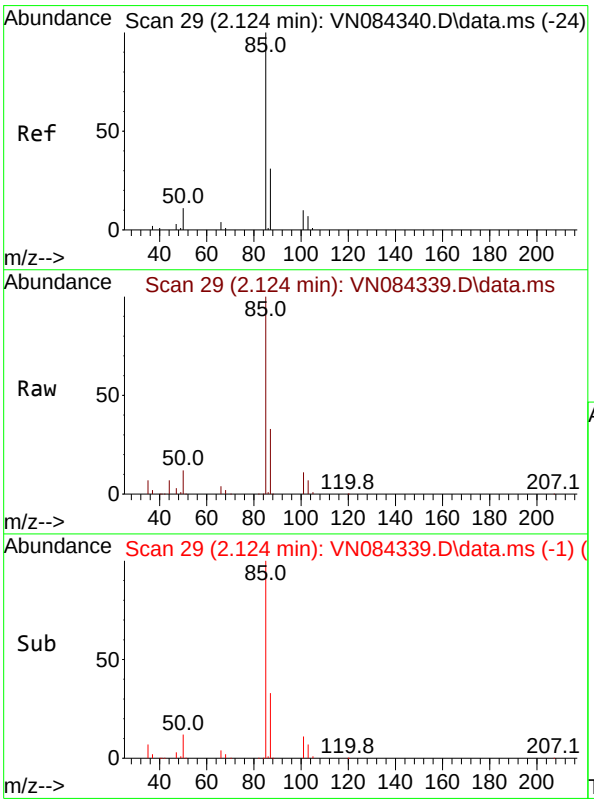
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 35466

Ion	Ratio	Lower	Upper
128	100		
49	175.8	0.0	430.0
130	128.5	0.0	329.8

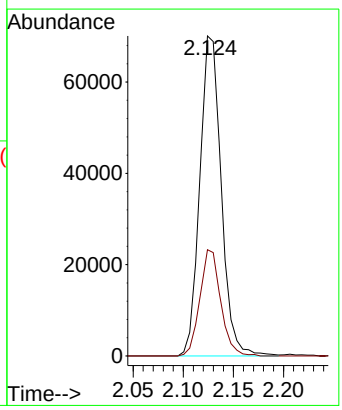


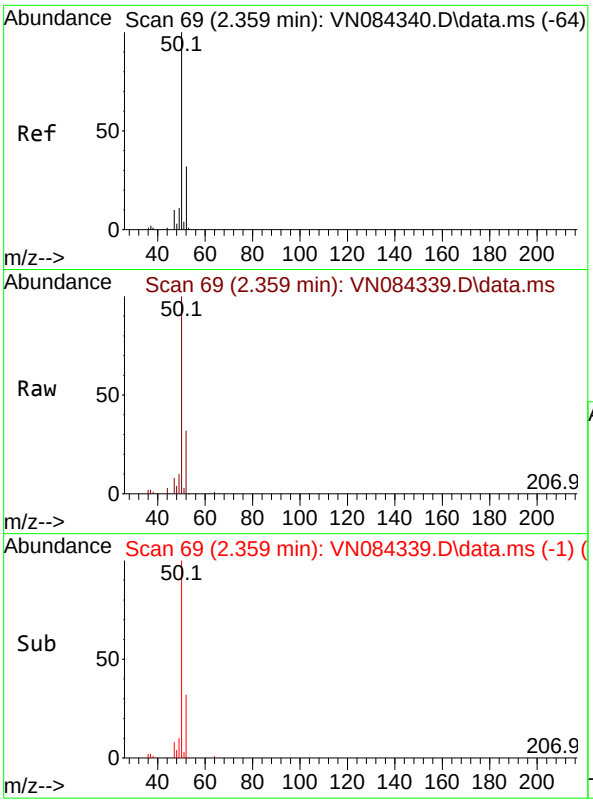


#2
Dichlorodifluoromethane
Concen: 48.263 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 85 Resp: 104507

Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.4	46.4



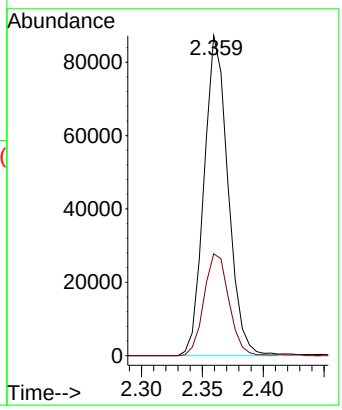


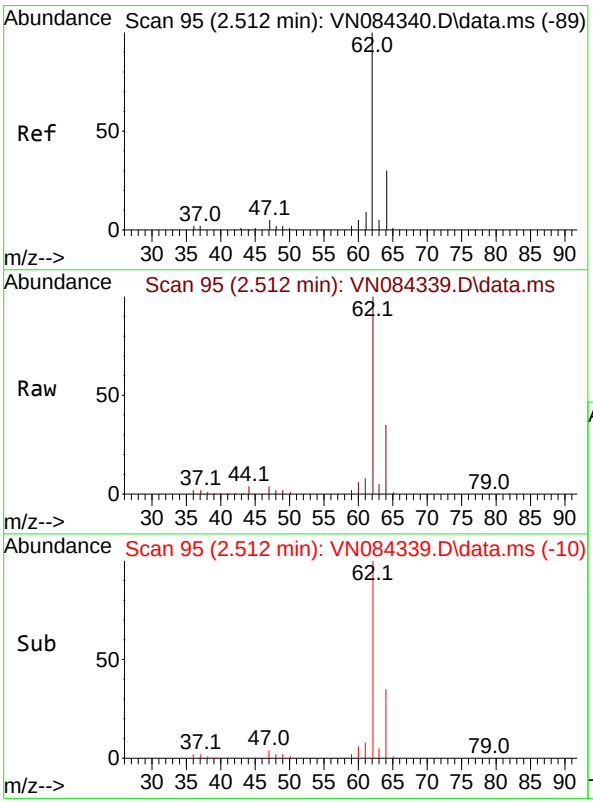
#3
Chloromethane
Concen: 48.544 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 50 Resp: 119618

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.8	38.6

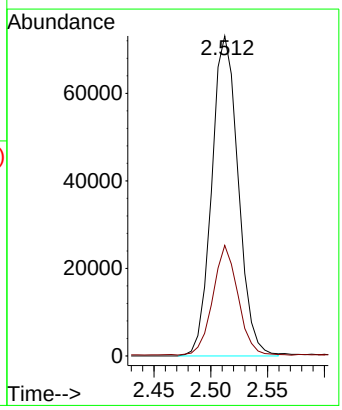


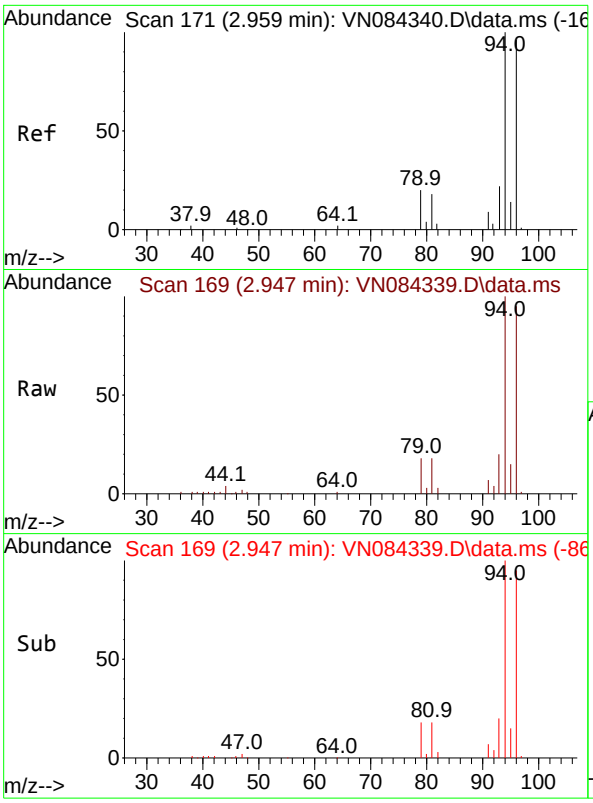


#4
Vinyl Chloride
Concen: 49.052 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 62 Resp: 118532

Ion	Ratio	Lower	Upper
62	100		
64	34.3	24.3	36.5



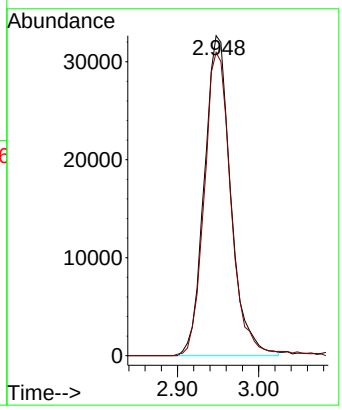


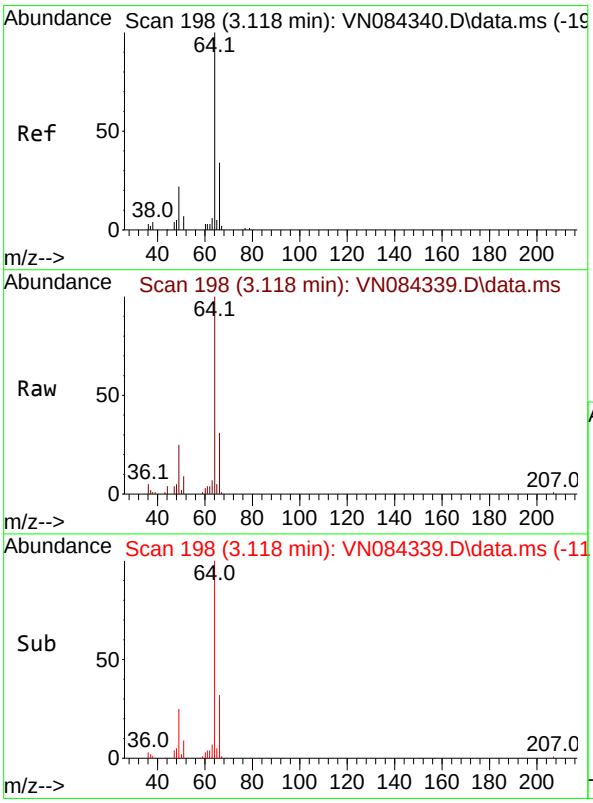
#5
Bromomethane
Concen: 46.107 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 94 Resp: 73816

Ion	Ratio	Lower	Upper
94	100		
96	94.2	76.7	115.1

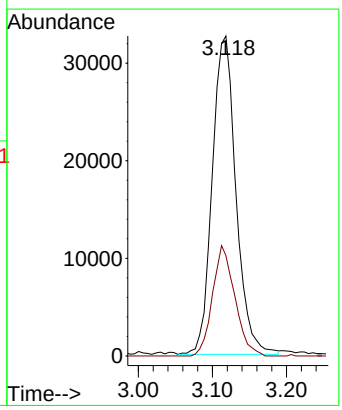


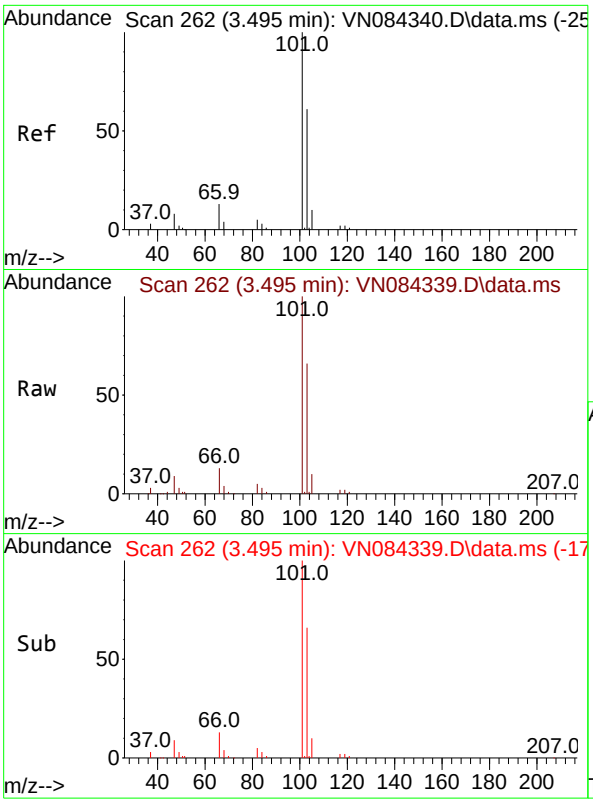


#6
Chloroethane
Concen: 45.819 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 64 Resp: 72586

Ion	Ratio	Lower	Upper
64	100		
66	31.5	27.7	41.5



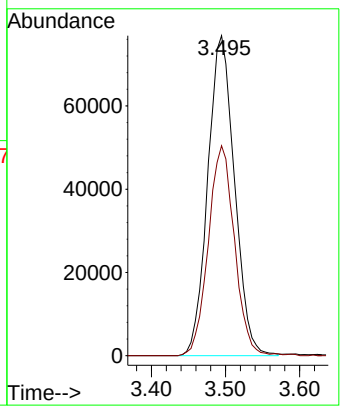


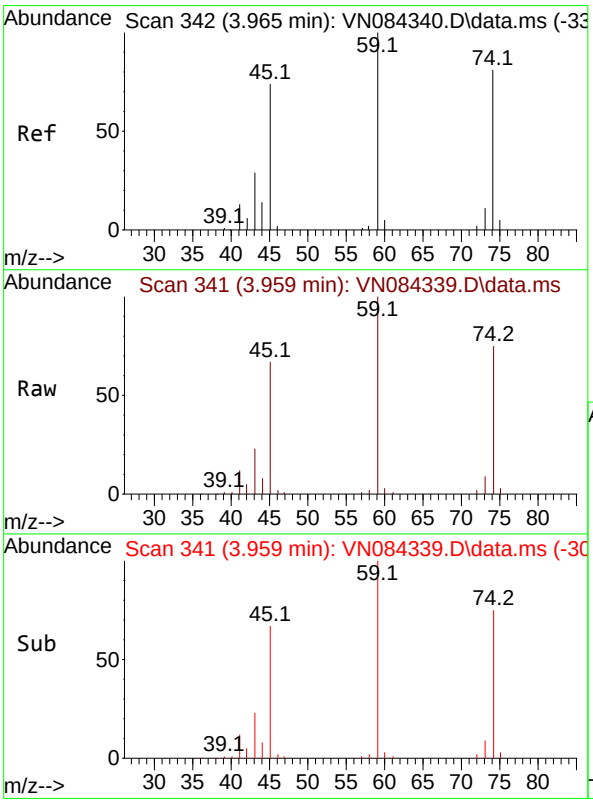
#7
Trichlorofluoromethane
Concen: 48.893 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:101 Resp: 192447

Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.0	73.6

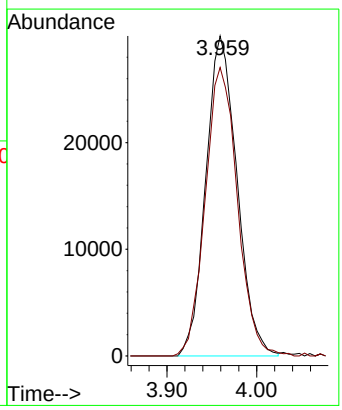


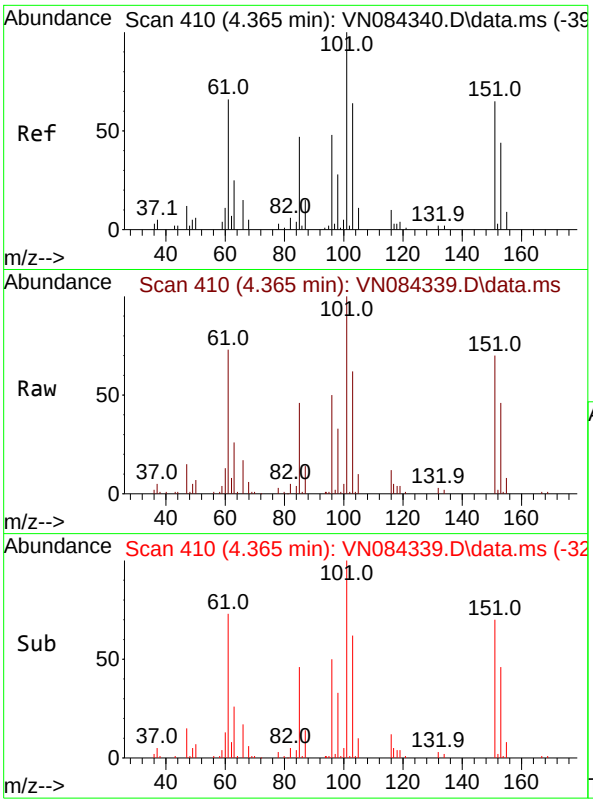


#8
Diethyl Ether
Concen: 50.089 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 74 Resp: 72484

Ion	Ratio	Lower	Upper
74	100		
45	93.0	19.2	173.2



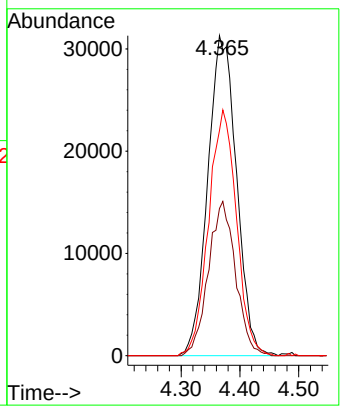


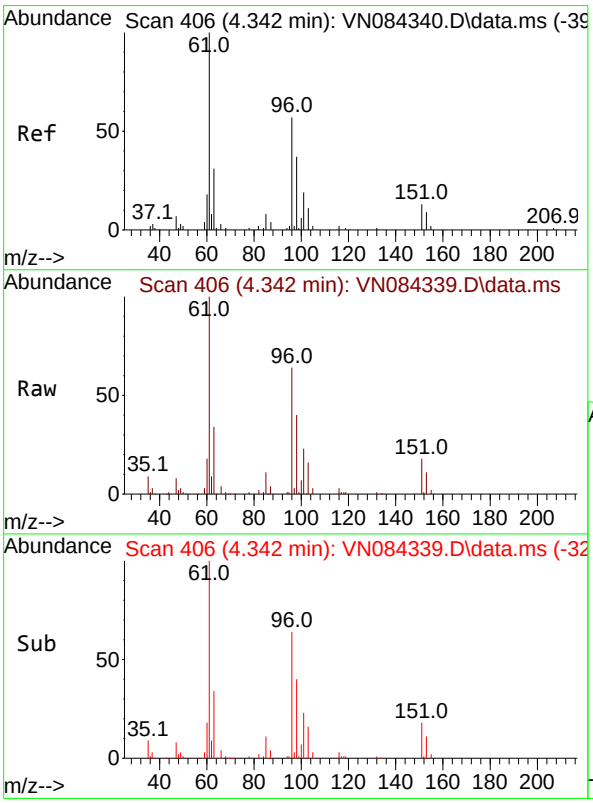
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.040 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:101 Resp: 106319

Ion	Ratio	Lower	Upper
101	100		
85	45.7	0.0	93.6
151	74.4	0.0	151.8

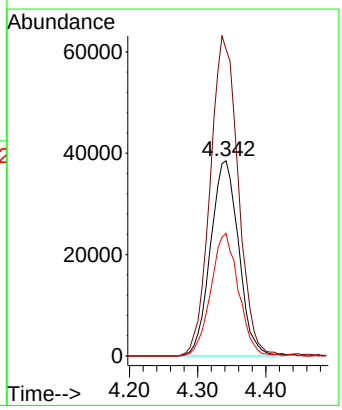


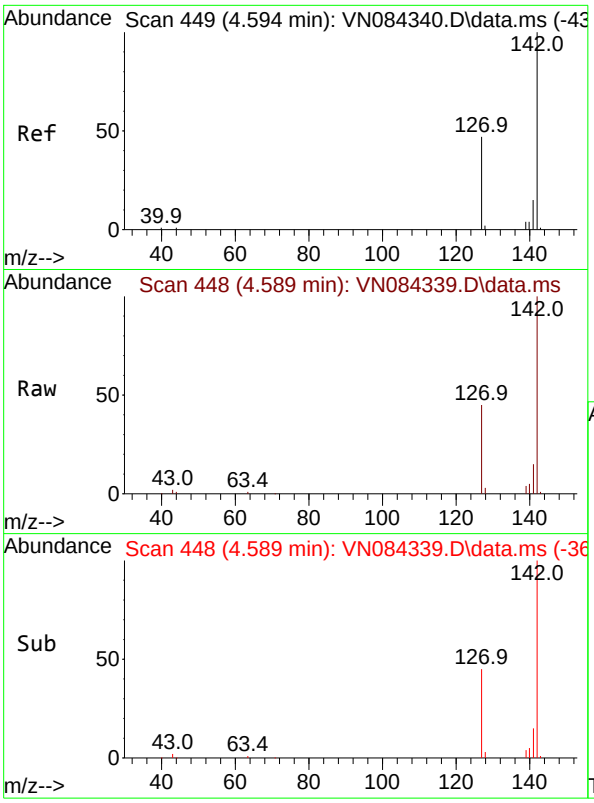


#10
1,1-Dichloroethene
Concen: 50.053 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 96 Resp: 110533

Ion	Ratio	Lower	Upper
96	100		
61	157.2	140.8	211.2
98	62.8	52.2	78.2



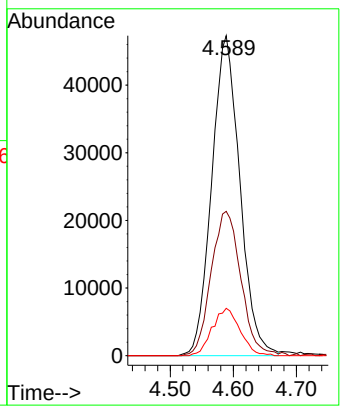


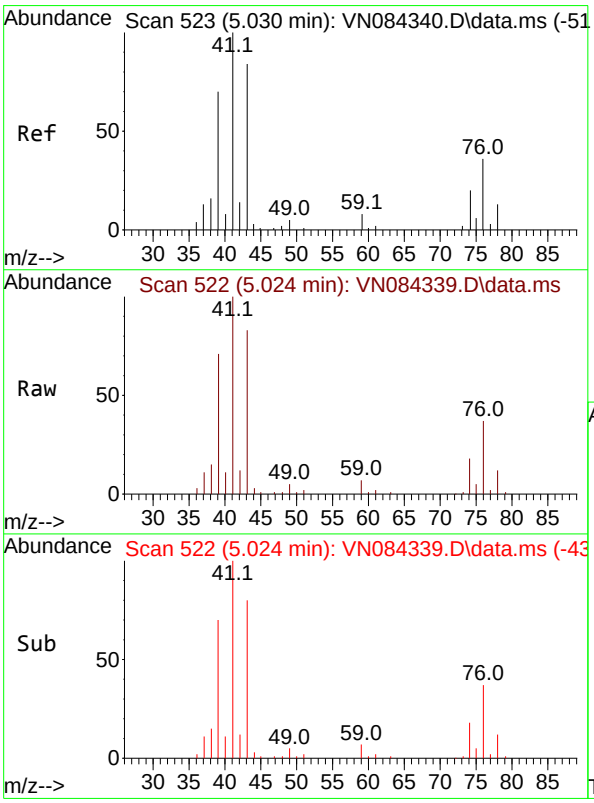
#11
Methyl Iodide
Concen: 50.376 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:142 Resp: 146194

Ion	Ratio	Lower	Upper
142	100		
127	45.1	23.8	71.4
141	14.9	7.4	22.2

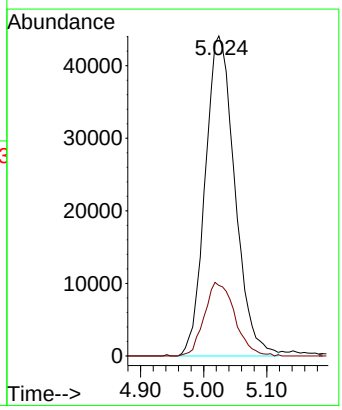


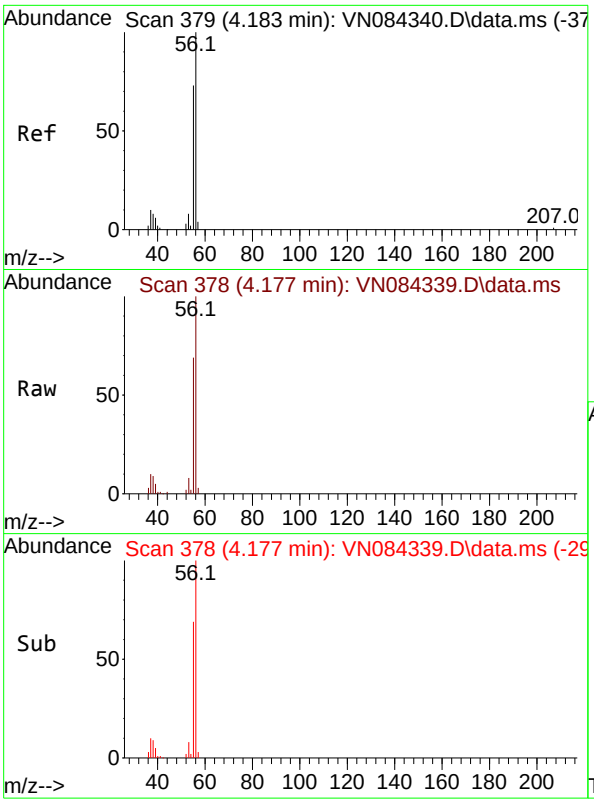


#12
Methyl Acetate
Concen: 52.068 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 143947

Ion	Ratio	Lower	Upper
43	100		
74	21.9	19.4	29.2



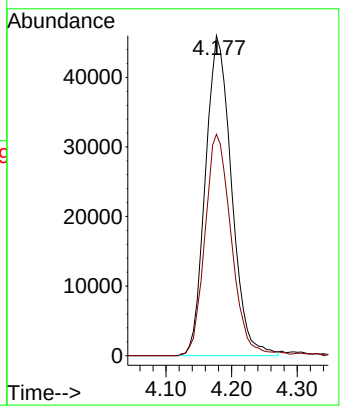


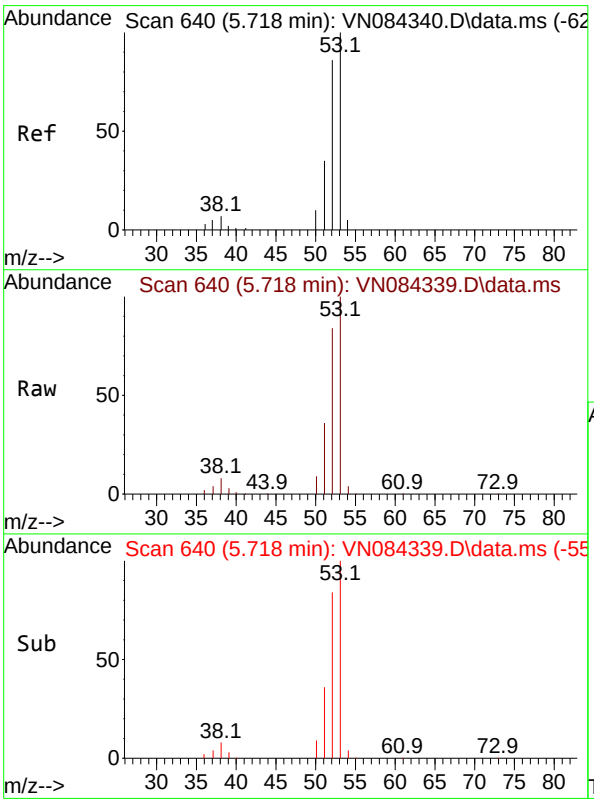
#13
Acrolein
Concen: 247.880 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 56 Resp: 127301

Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.4	84.6

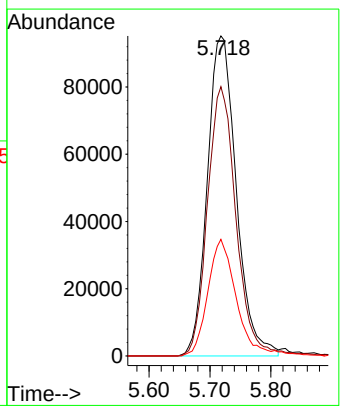


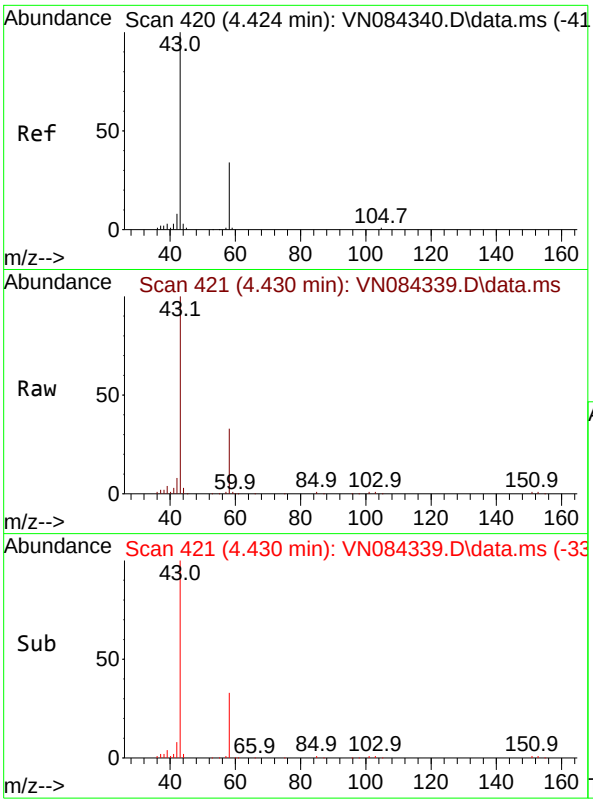


#14
Acrylonitrile
Concen: 253.254 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 53 Resp: 314551

Ion	Ratio	Lower	Upper
53	100		
52	82.9	40.4	121.2
51	35.1	17.8	53.4



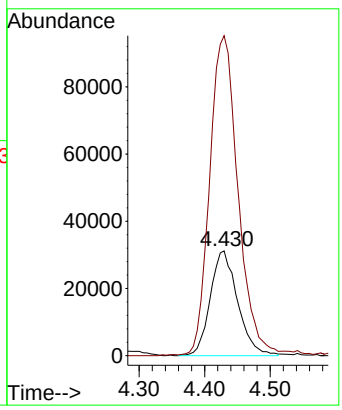


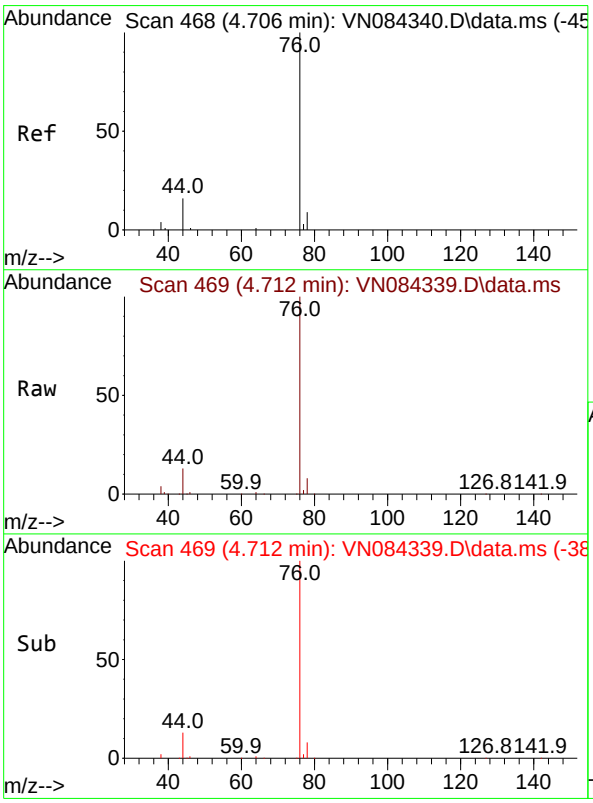
#15
Acetone
Concen: 254.725 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 58 Resp: 90377

Ion	Ratio	Lower	Upper
58	100		
43	304.6	237.5	356.3

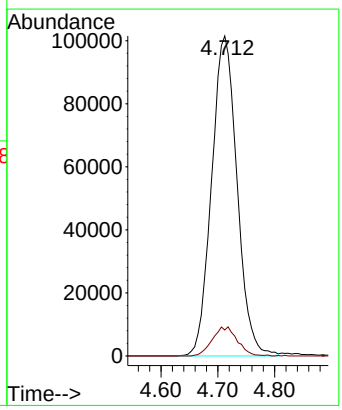


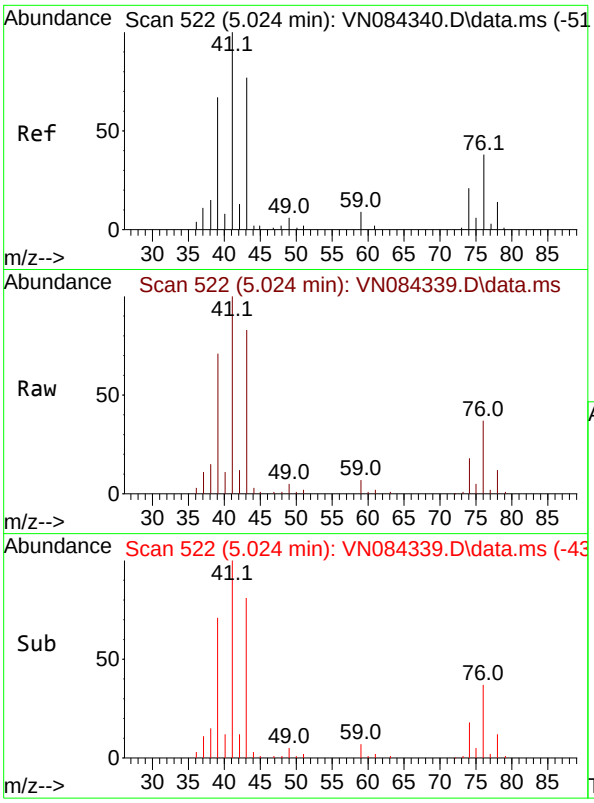


#16
Carbon Disulfide
Concen: 48.056 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 76 Resp: 316013

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7



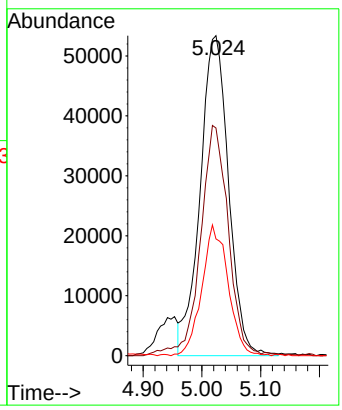


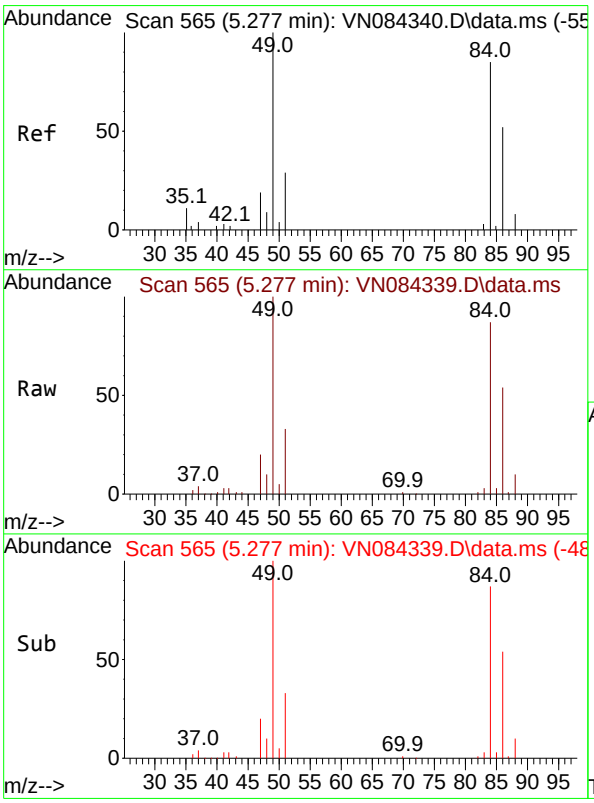
#17
Allyl chloride
Concen: 50.205 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 41 Resp: 179722

Ion	Ratio	Lower	Upper
41	100		
39	71.0	31.4	94.3
76	36.4	17.8	53.5

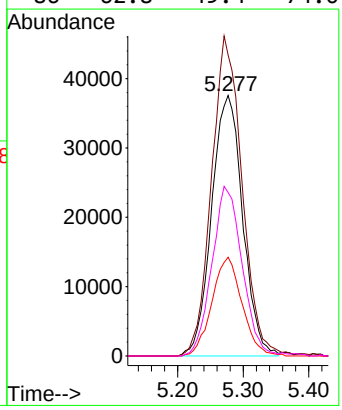


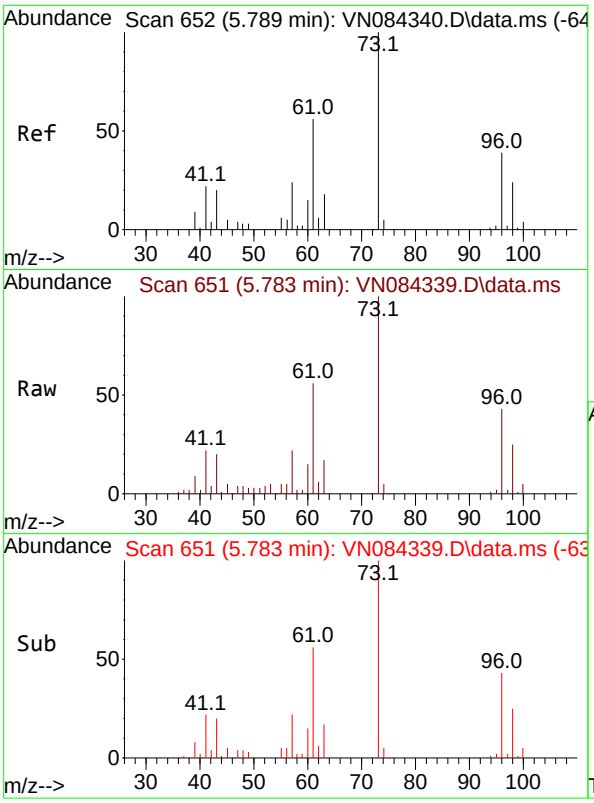


#18
Methylene Chloride
Concen: 49.660 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 84 Resp: 123536

Ion	Ratio	Lower	Upper
84	100		
49	115.5	94.6	142.0
51	37.9	27.3	40.9
86	62.8	49.4	74.0



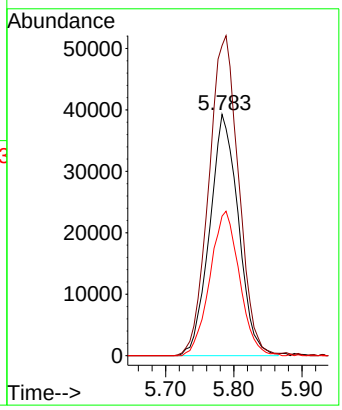


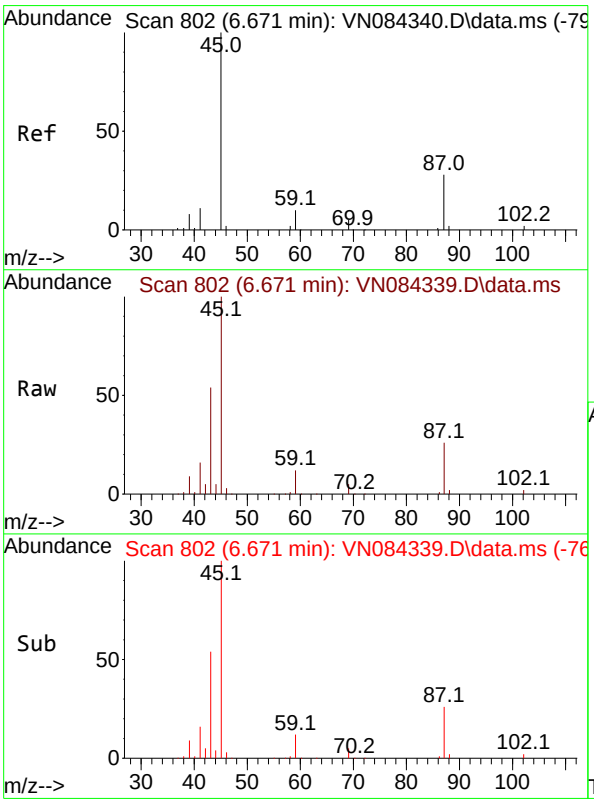
#19
trans-1,2-Dichloroethene
Concen: 49.248 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 96 Resp: 115099

Ion	Ratio	Lower	Upper
96	100		
61	128.1	115.8	173.6
98	57.9	49.4	74.0

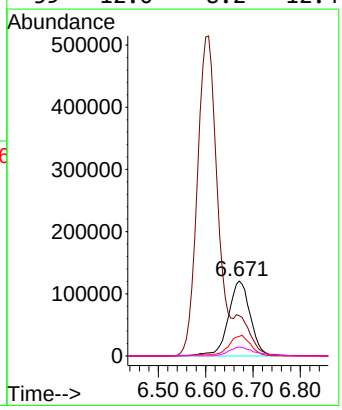


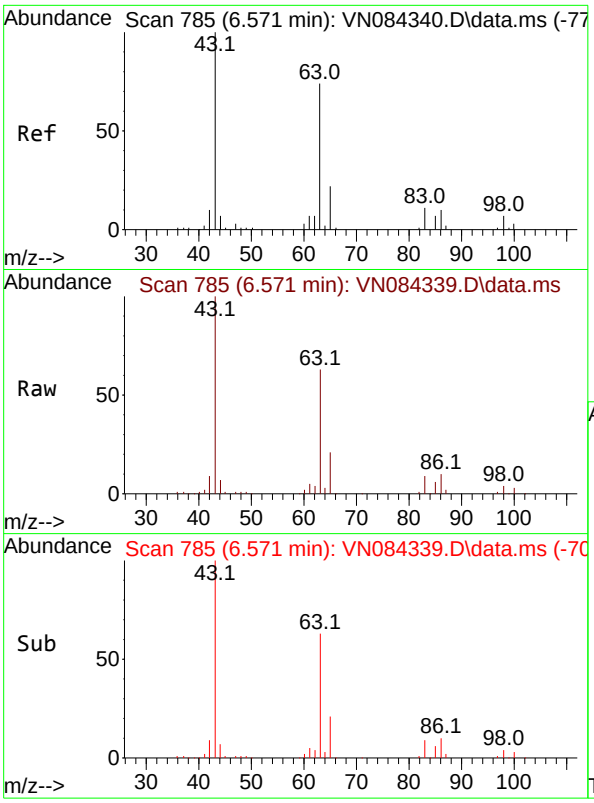


#20
Diisopropyl ether
Concen: 50.368 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 45 Resp: 387668

Ion	Ratio	Lower	Upper
45	100		
43	52.4	43.7	65.5
87	25.9	23.1	34.7
59	12.0	8.2	12.4



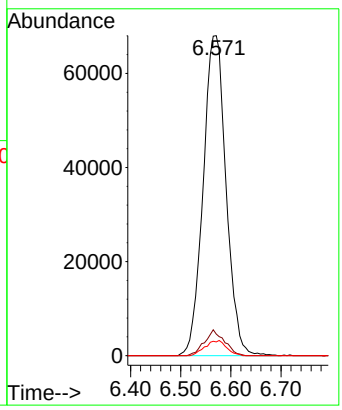


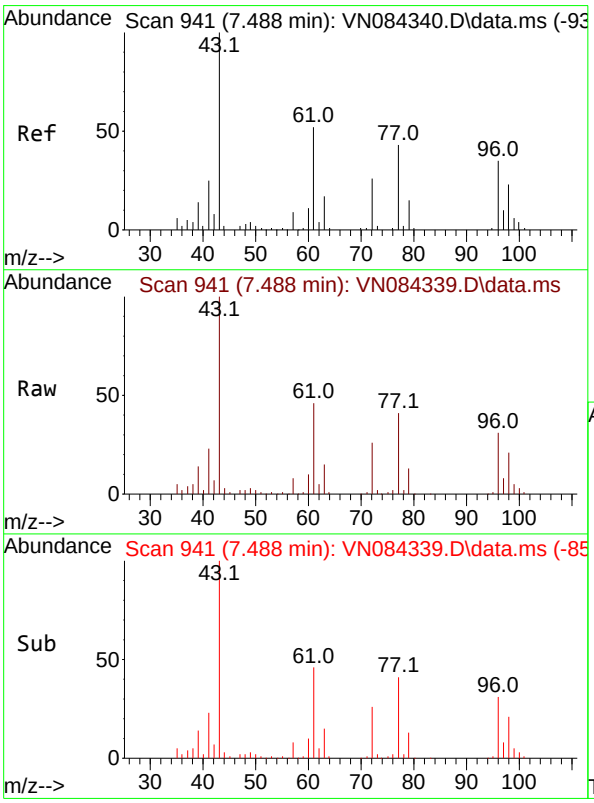
#21
1,1-Dichloroethane
Concen: 48.975 ug/l
RT: 6.571 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 216289

Ion	Ratio	Lower	Upper
63	100		
98	6.8	4.5	13.4
100	4.3	2.1	6.3

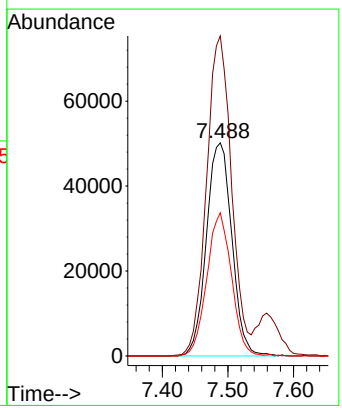


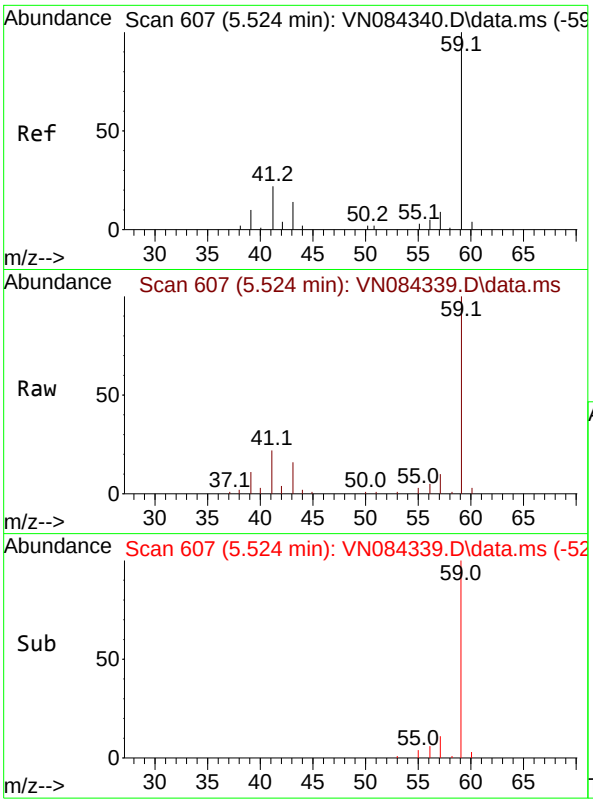


#22
cis-1,2-Dichloroethene
Concen: 49.862 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 96 Resp: 135603

Ion	Ratio	Lower	Upper
96	100		
61	147.6	118.0	177.0
98	64.7	51.8	77.8



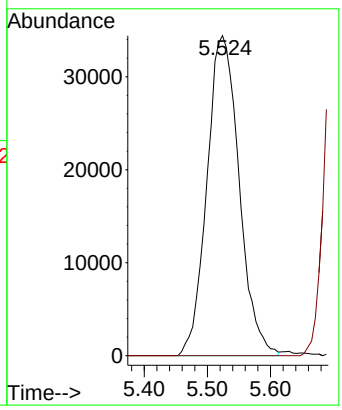


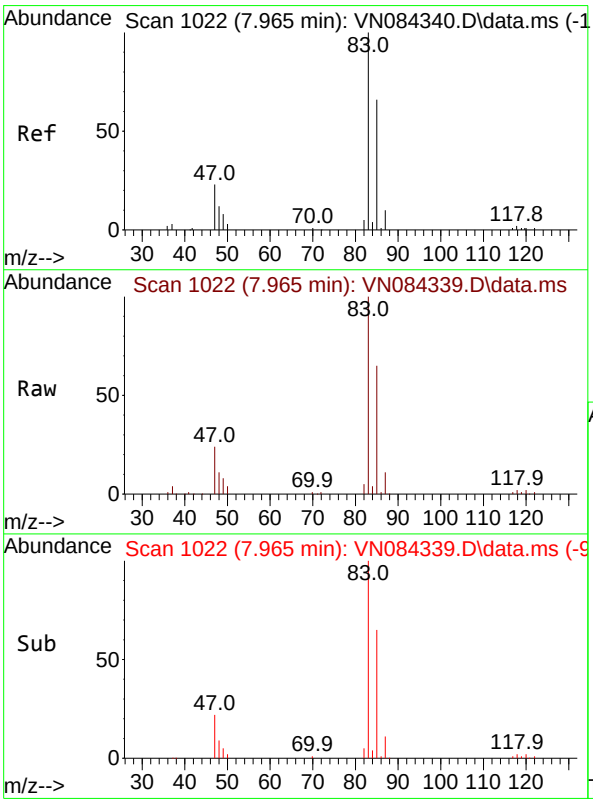
#23
tert-Butyl Alcohol
Concen: 255.936 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 59 Resp: 121932

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

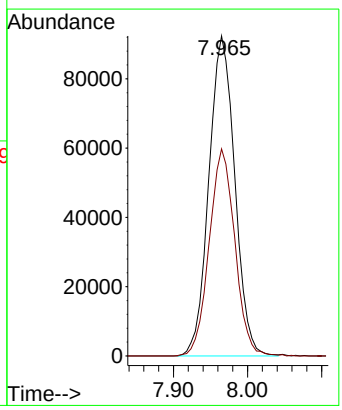


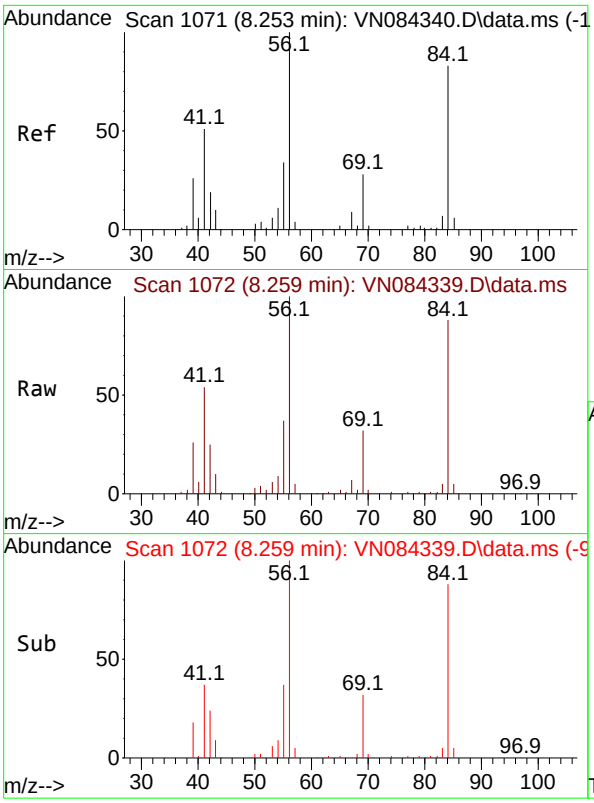


#25
Chloroform
Concen: 50.153 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 224326

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6



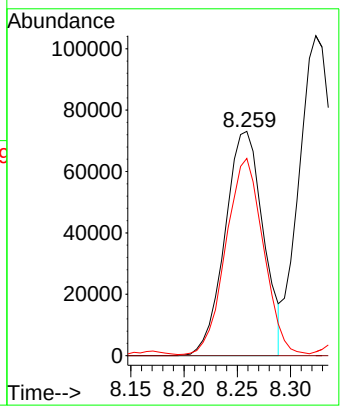


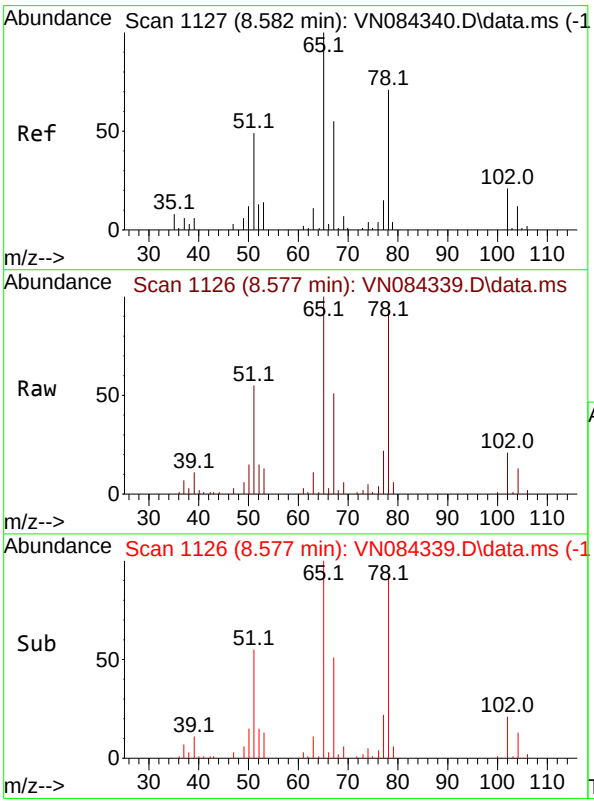
#26
Cyclohexane
Concen: 49.456 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 56 Resp: 182672

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	87.0	67.0	100.6

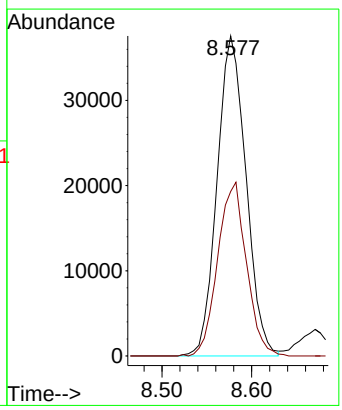


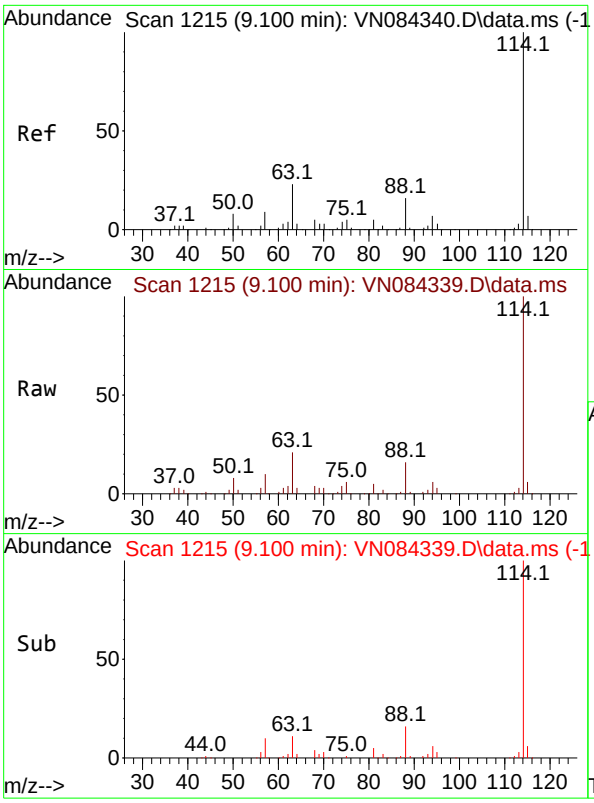


#27
1,2-Dichloroethane-d4
Concen: 29.444 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 65 Resp: 84072

Ion	Ratio	Lower	Upper
65	100		
67	53.9	41.5	62.3



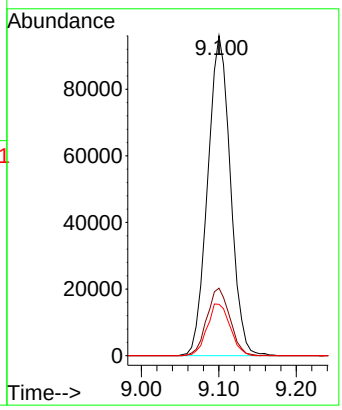


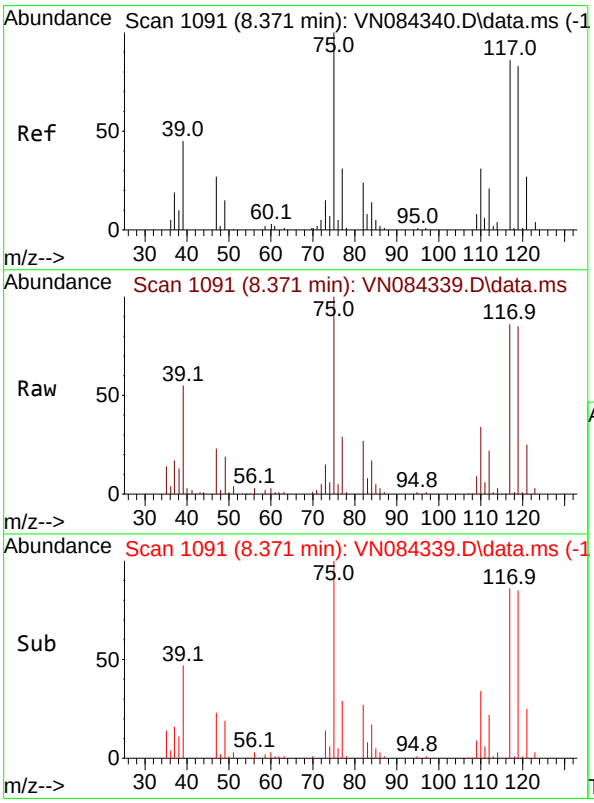
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:114 Resp: 196182

Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.4	26.0
88	16.4	13.2	19.8

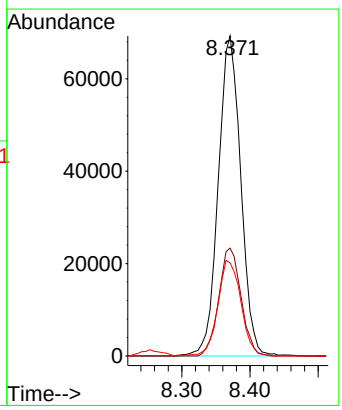


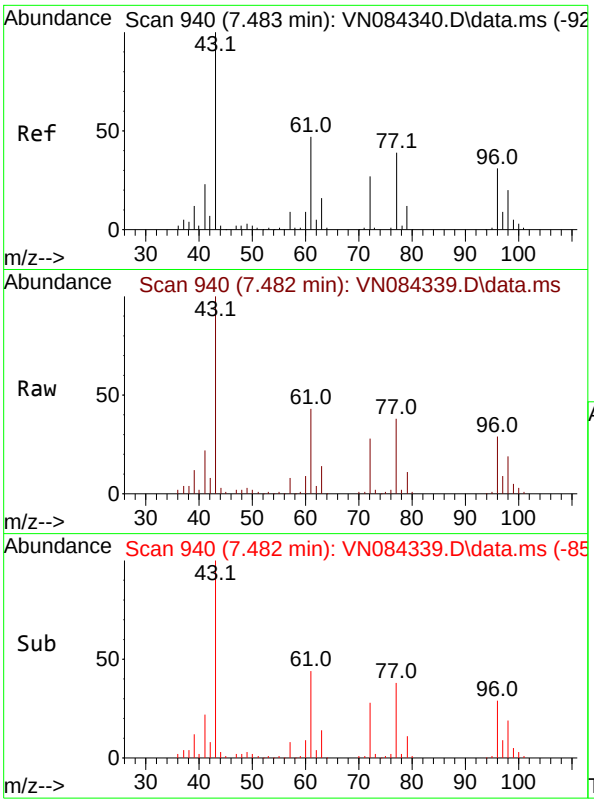


#29
1,1-Dichloropropene
Concen: 49.412 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 159132

Ion	Ratio	Lower	Upper
75	100		
110	33.3	0.0	67.6
77	30.6	0.0	61.4



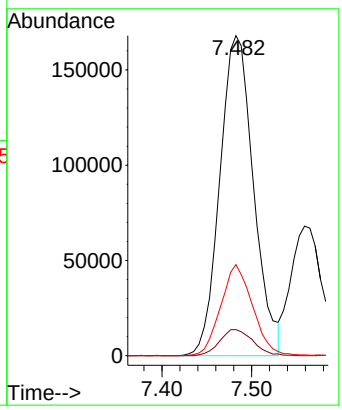


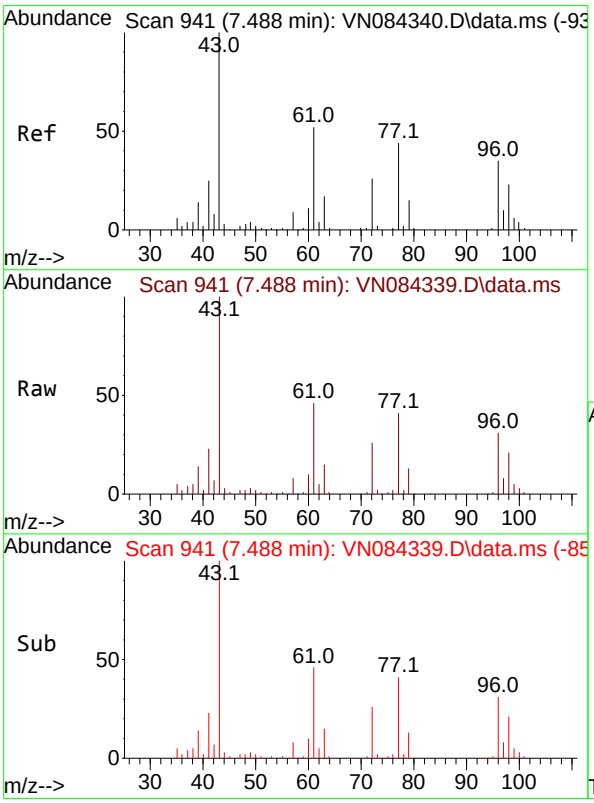
#30
2-Butanone
Concen: 255.703 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 438443

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.6	9.8
72	26.9	21.3	31.9

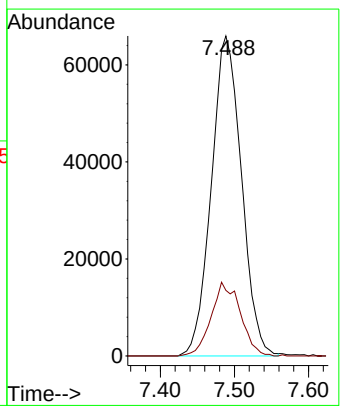


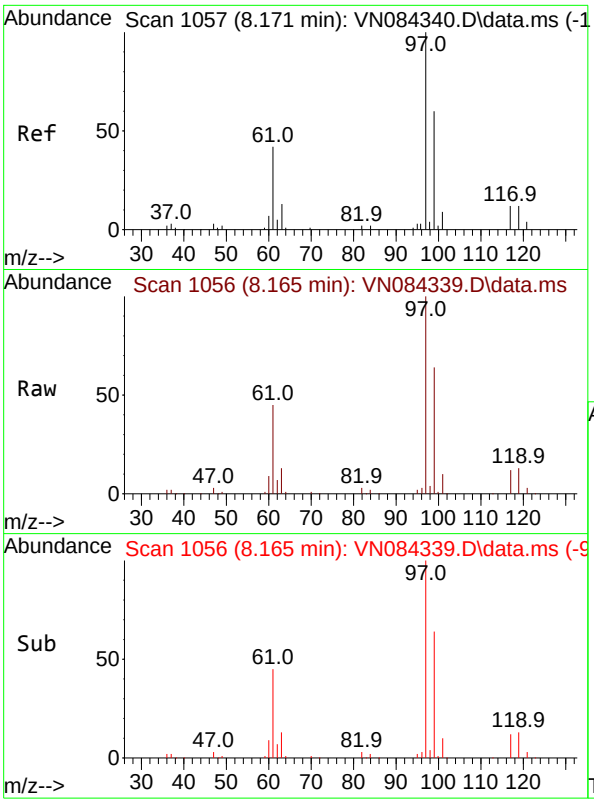


#31
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 77 Resp: 186163

Ion	Ratio	Lower	Upper
77	100		
97	14.7	11.5	17.3



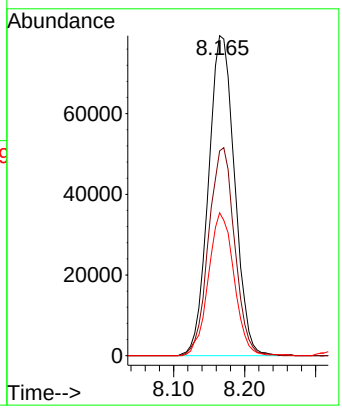


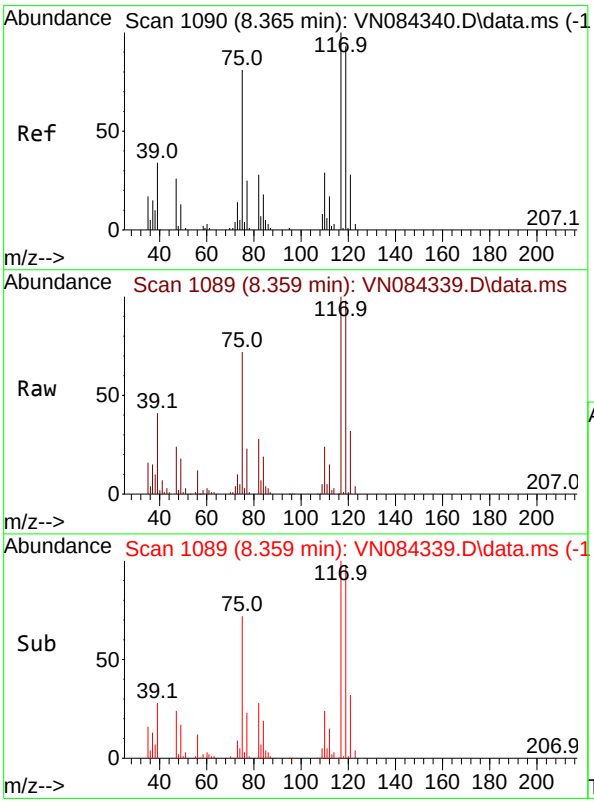
#32
1,1,1-Trichloroethane
Concen: 49.200 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 97 Resp: 202531

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	43.7	34.1	51.1

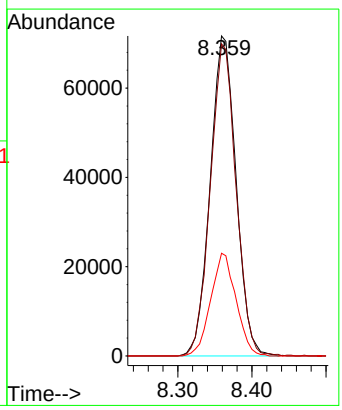


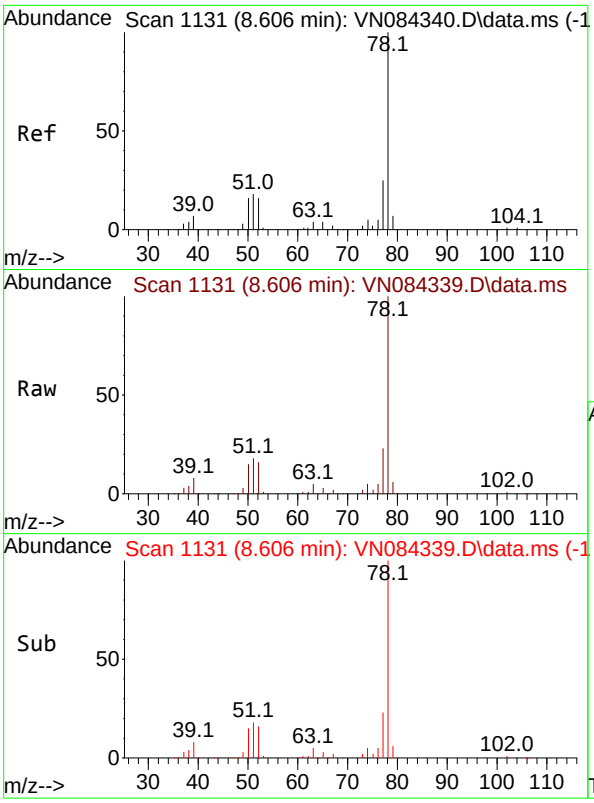


#33
Carbon Tetrachloride
Concen: 48.728 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:117 Resp: 173775

Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.3	111.5
121	32.1	22.4	33.6



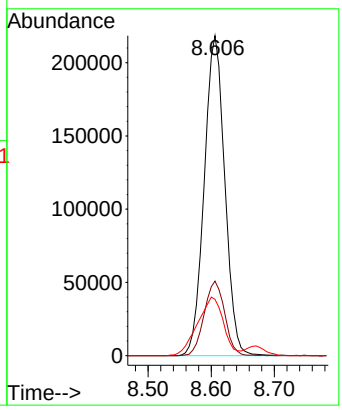


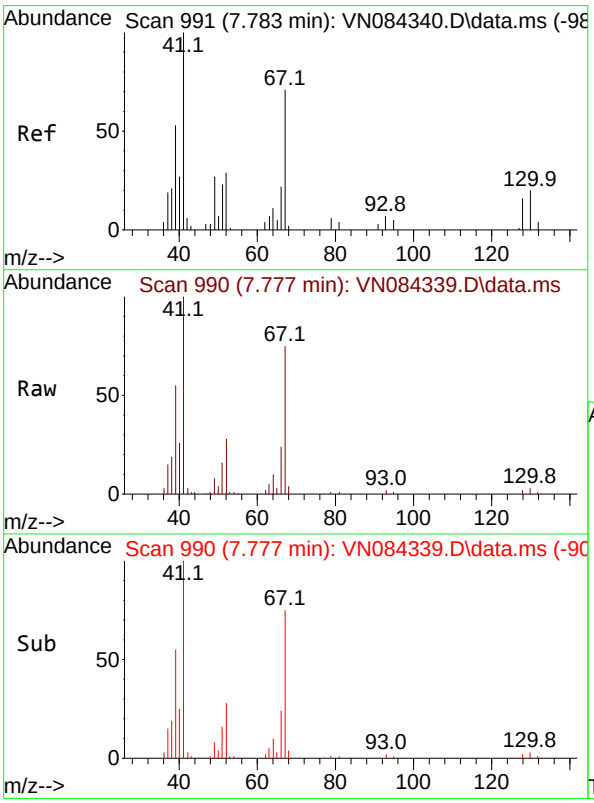
#34
Benzene
Concen: 49.013 ug/l
RT: 8.606 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 78 Resp: 494102

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.6	29.4
51	17.4	15.8	23.6

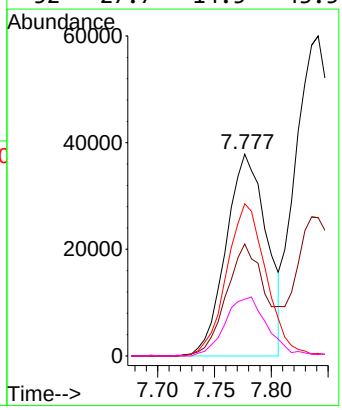


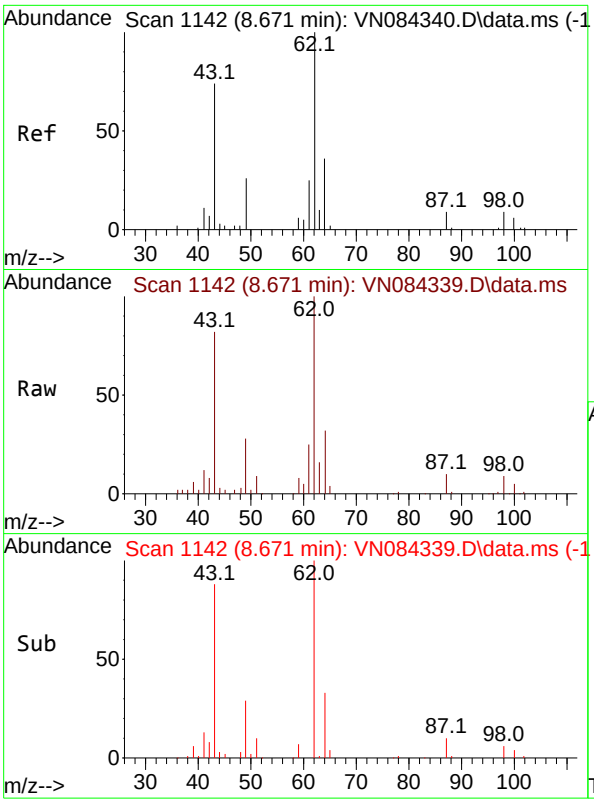


#35
Methacrylonitrile
Concen: 51.695 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 41 Resp: 94562

Ion	Ratio	Lower	Upper
41	100		
39	55.5	26.4	79.0
67	75.4	35.7	107.1
52	27.7	14.5	43.5



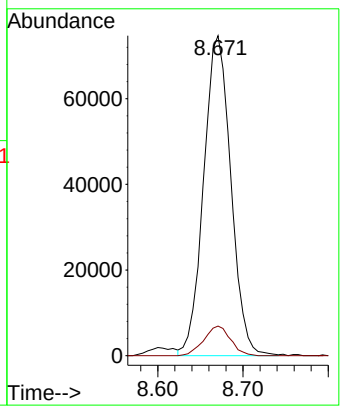


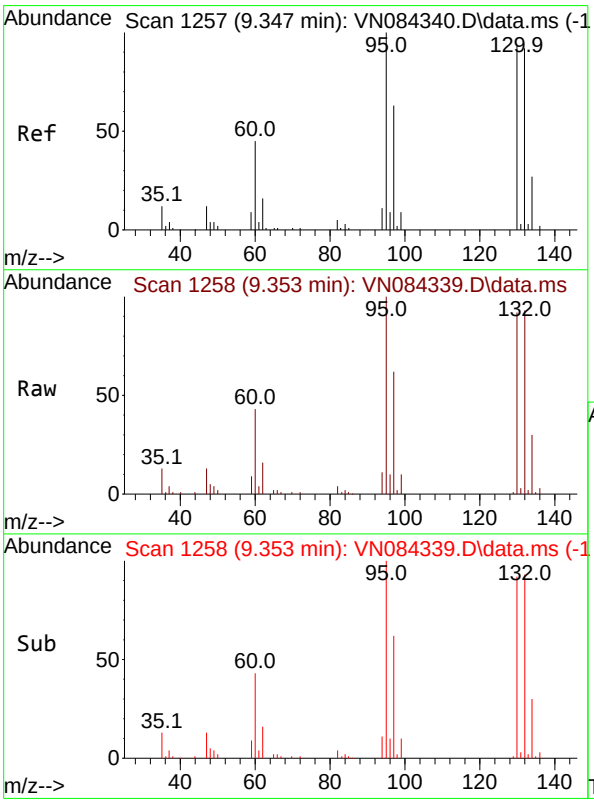
#36
1,2-Dichloroethane
Concen: 49.385 ug/l
RT: 8.671 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 62 Resp: 165947

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

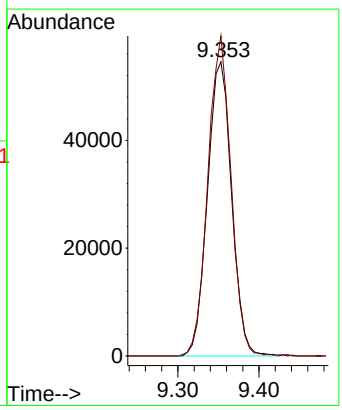


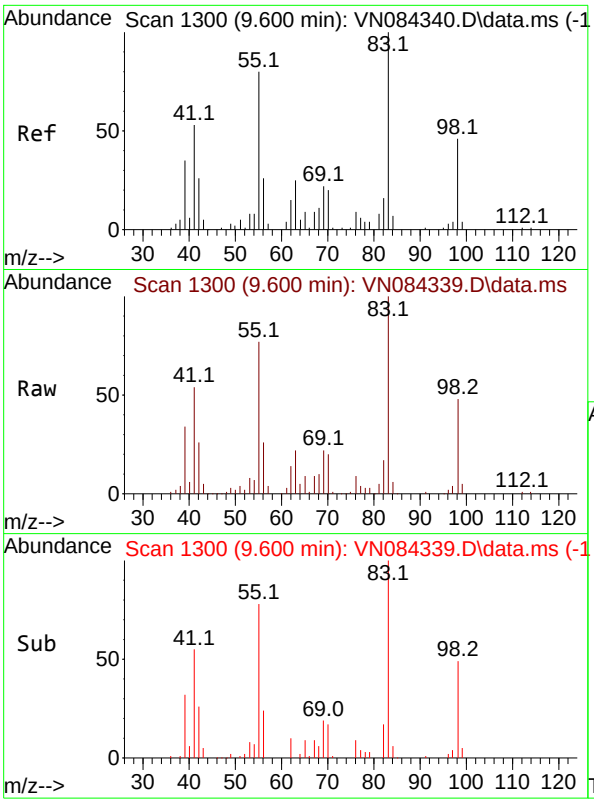


#37
Trichloroethene
Concen: 48.615 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:130 Resp: 112853

Ion	Ratio	Lower	Upper
130	100		
95	108.8	85.8	128.6



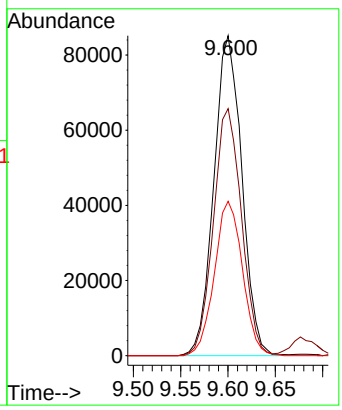


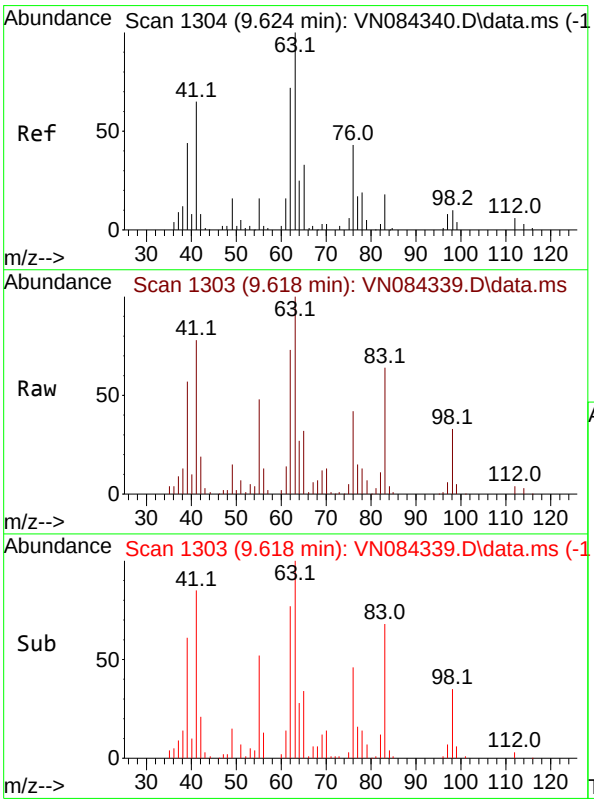
#38
Methylcyclohexane
Concen: 49.477 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 175023

Ion	Ratio	Lower	Upper
83	100		
55	77.6	39.3	117.8
98	48.5	24.0	72.0

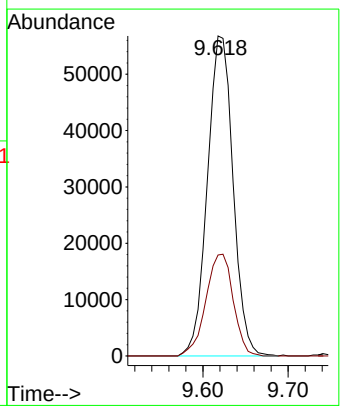


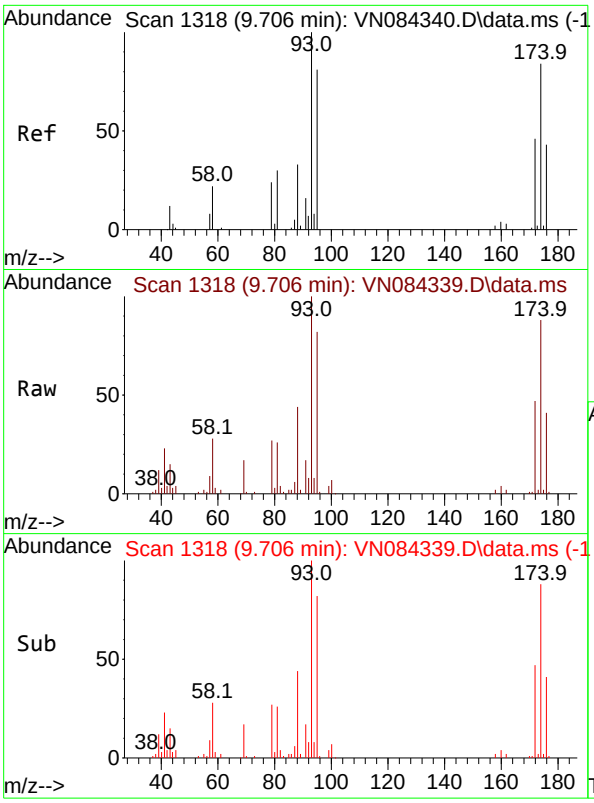


#39
1,2-Dichloropropane
Concen: 48.292 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 63 Resp: 118717

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5



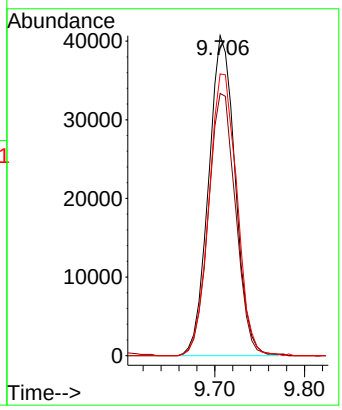


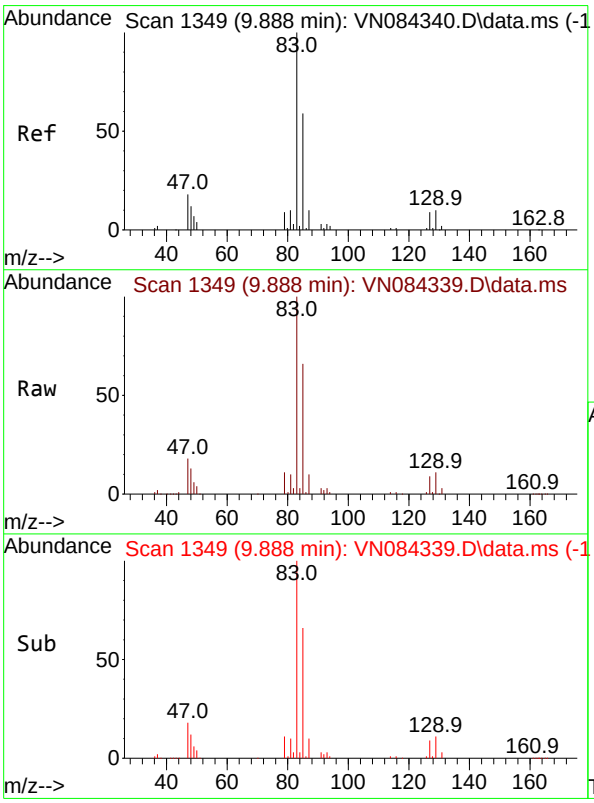
#40
Dibromomethane
Concen: 48.900 ug/l
RT: 9.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 93 Resp: 84017

Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	171.4
174	92.1	0.0	183.0

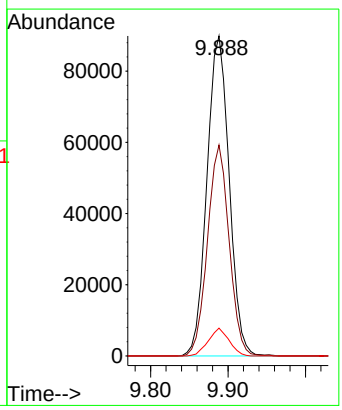


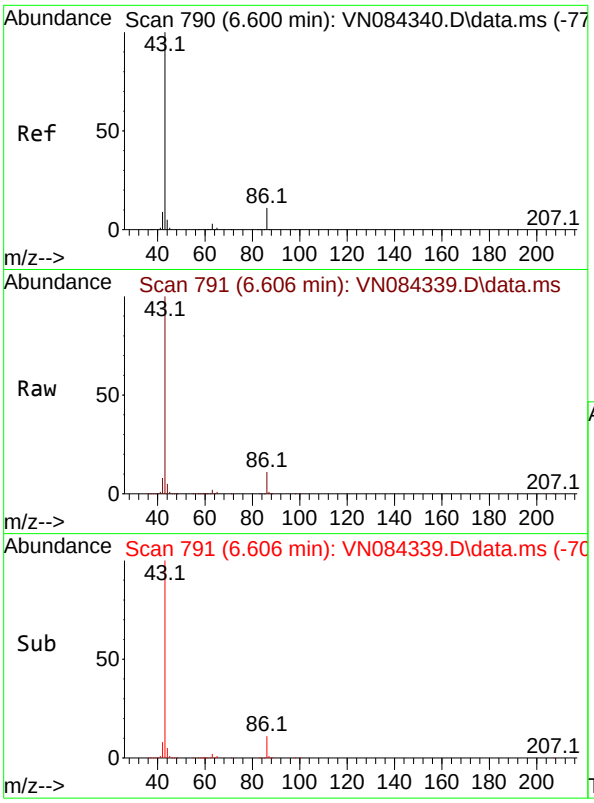


#41
Bromodichloromethane
Concen: 49.283 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 179758

Ion	Ratio	Lower	Upper
83	100		
85	65.9	47.1	70.7
127	8.7	7.1	10.7



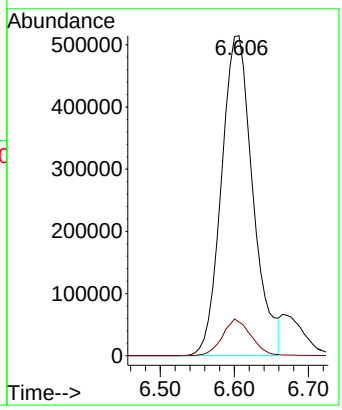


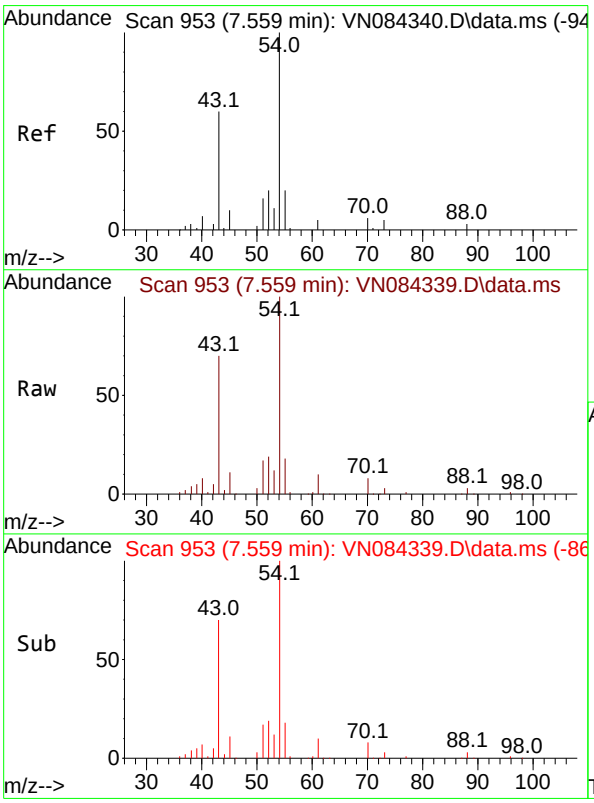
#42
Vinyl Acetate
Concen: 254.948 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 1520354

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7

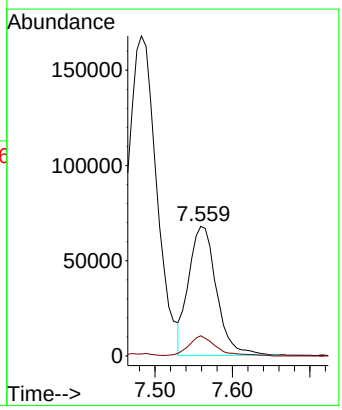


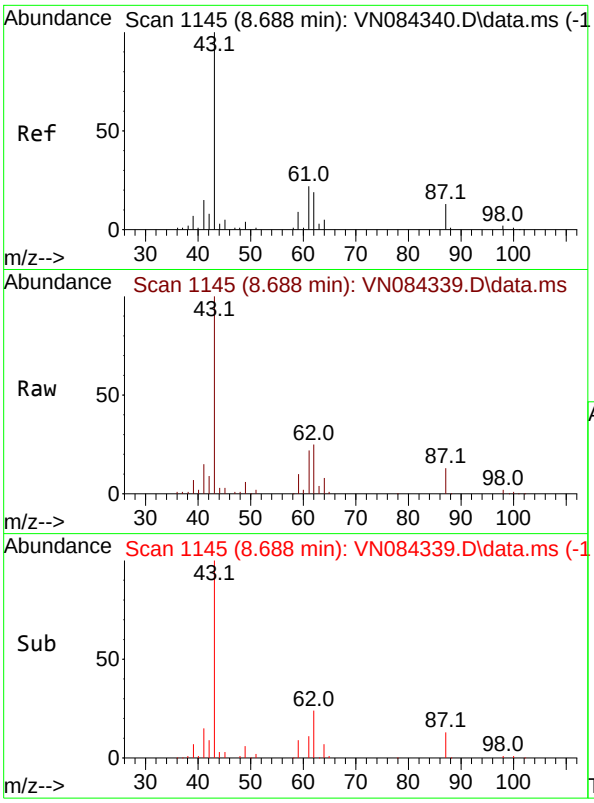


#43
Ethyl Acetate
Concen: 49.954 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 168929

Ion	Ratio	Lower	Upper
43	100		
45	15.5	10.6	16.0



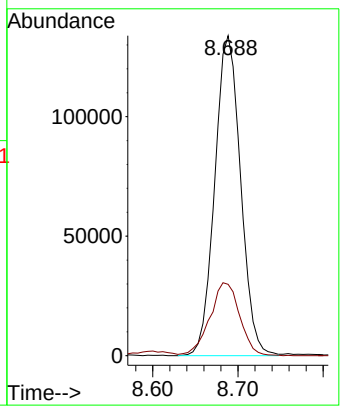


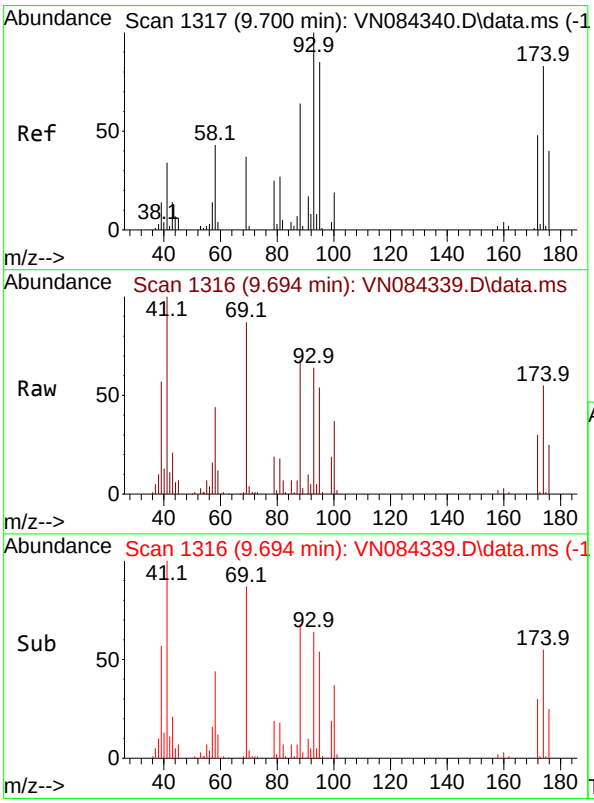
#44
Isopropyl Acetate
Concen: 50.934 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 281915

Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.4	32.2

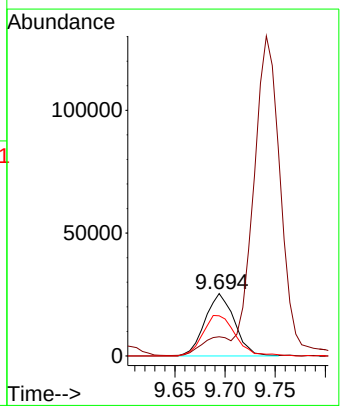


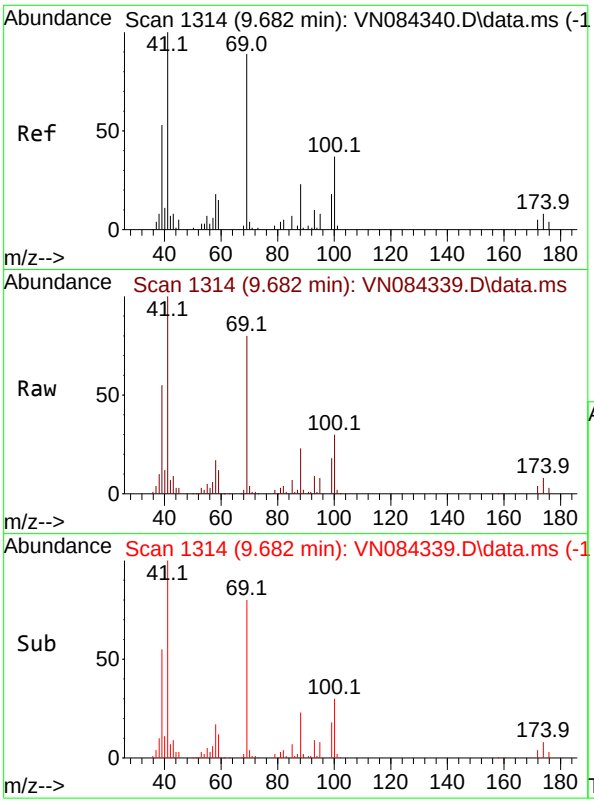


#45
1,4-Dioxane
Concen: 1038.003 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 88 Resp: 51791

Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.4	33.6
58	70.2	59.7	89.5



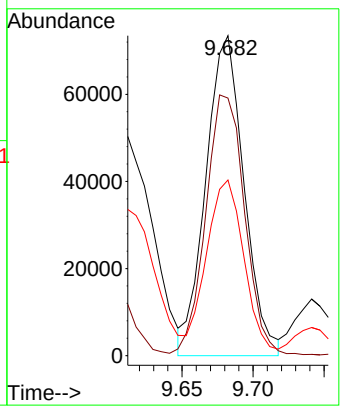


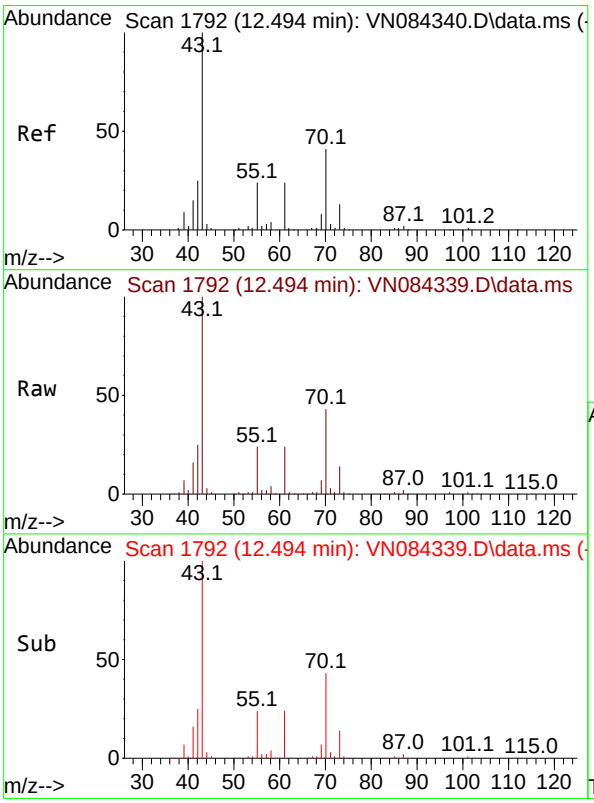
#46
Methyl methacrylate
Concen: 51.368 ug/l
RT: 9.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 41 Resp: 137372

Ion	Ratio	Lower	Upper
41	100		
69	83.1	42.6	128.0
39	55.6	27.5	82.4

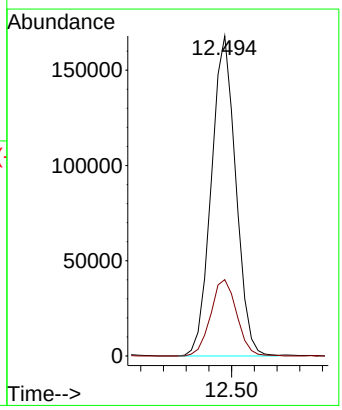


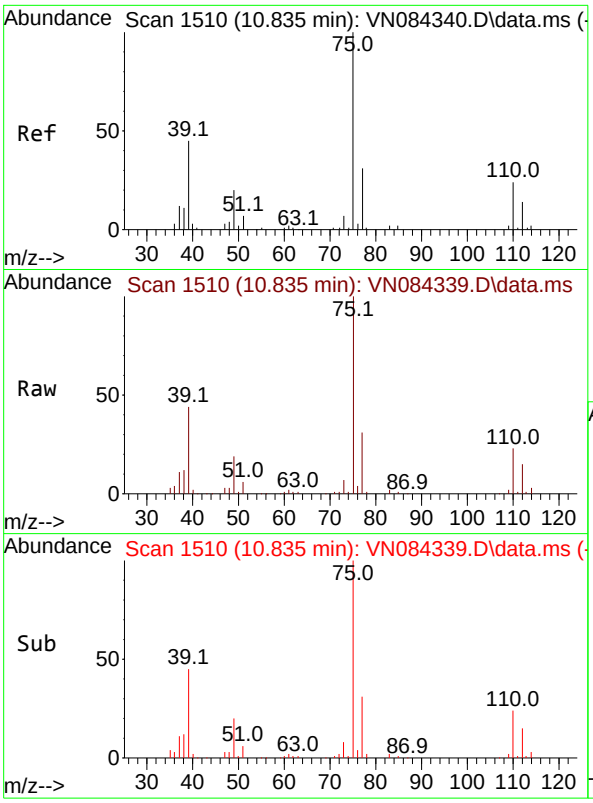


#47
n-amyl Acetate
Concen: 51.073 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 251442

Ion	Ratio	Lower	Upper
43	100		
55	25.4	20.6	31.0



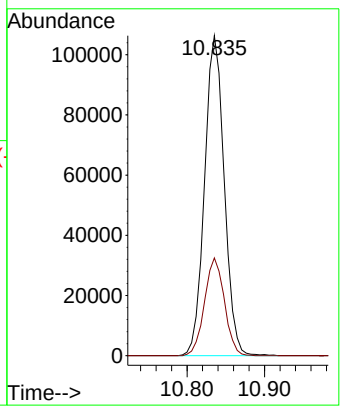


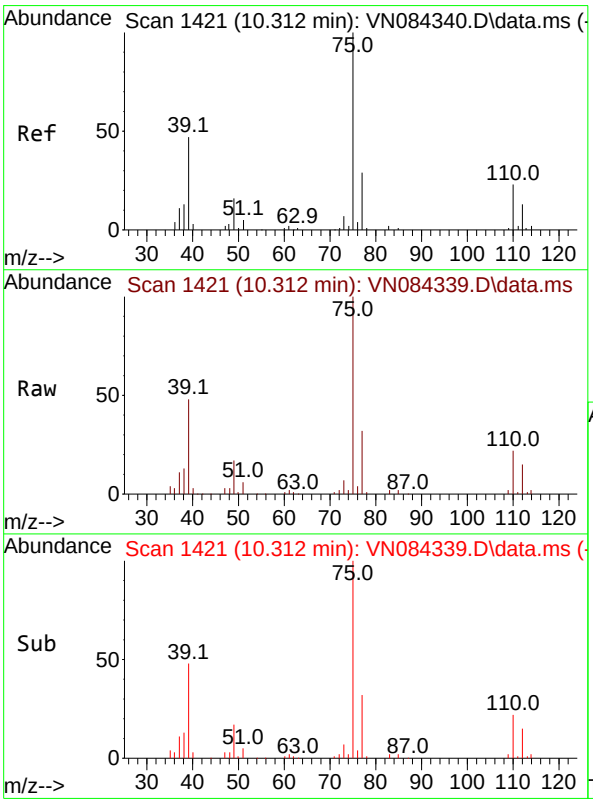
#48
t-1,3-Dichloropropene
Concen: 49.721 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 187402

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	37.0

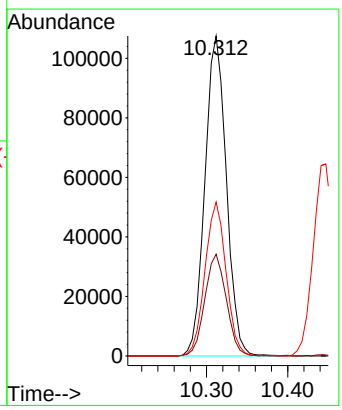


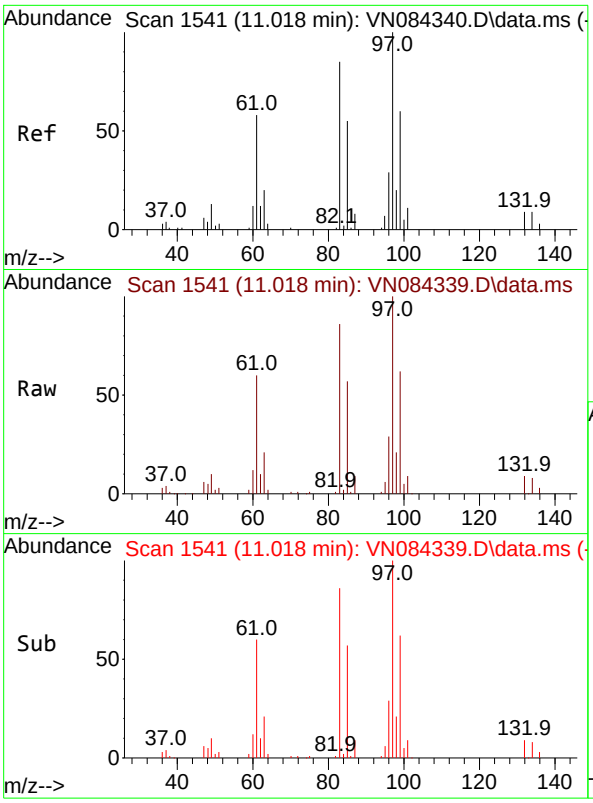


#49
cis-1,3-Dichloropropene
Concen: 49.908 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 197144

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.9	34.3
39	48.1	37.4	56.2



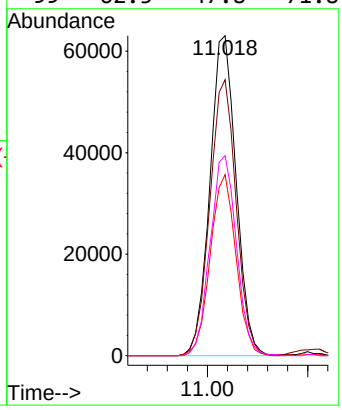


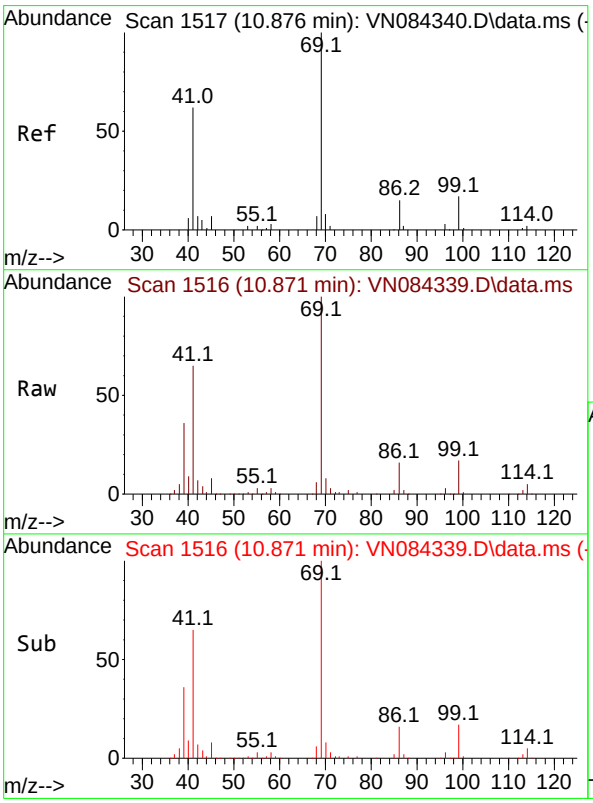
#50
1,1,2-Trichloroethane
Concen: 49.500 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 97 Resp: 114315

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.8	101.8
85	56.6	44.2	66.2
99	62.5	47.8	71.8

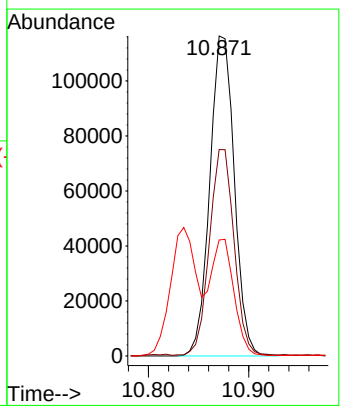


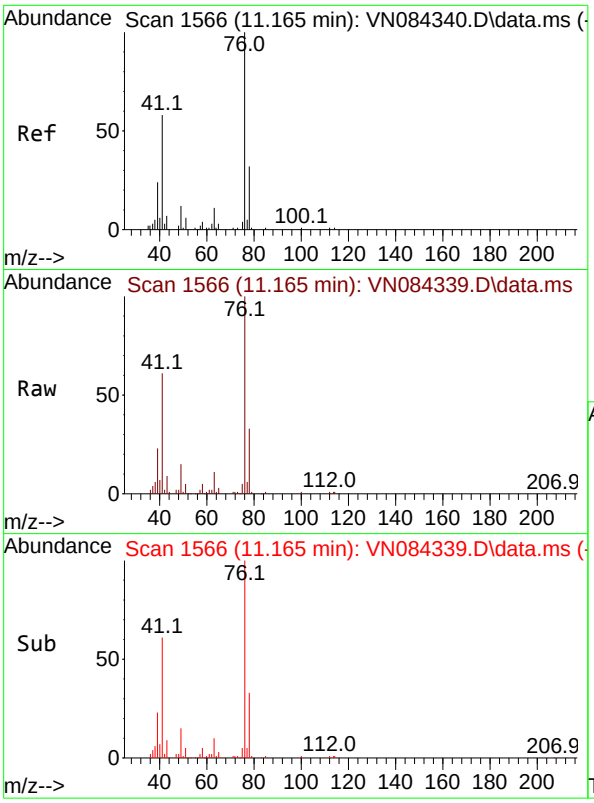


#51
Ethyl methacrylate
Concen: 51.907 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 69 Resp: 198002

Ion	Ratio	Lower	Upper
69	100		
41	64.3	30.9	92.7
39	36.0	16.6	49.7



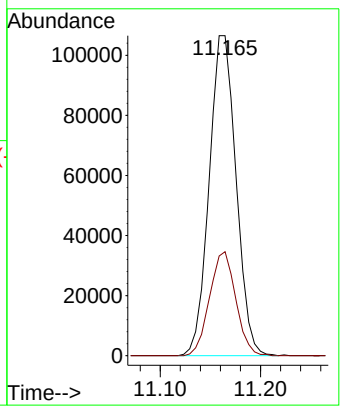


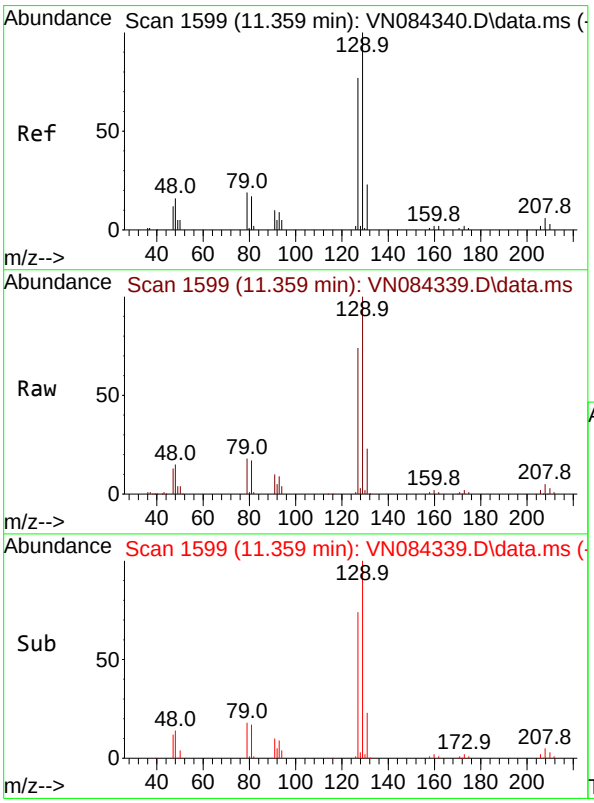
#52
1,3-Dichloropropane
Concen: 49.119 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 76 Resp: 198343

Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	64.2

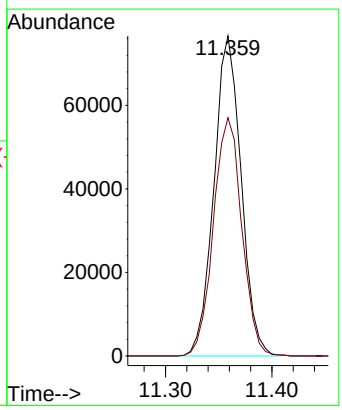


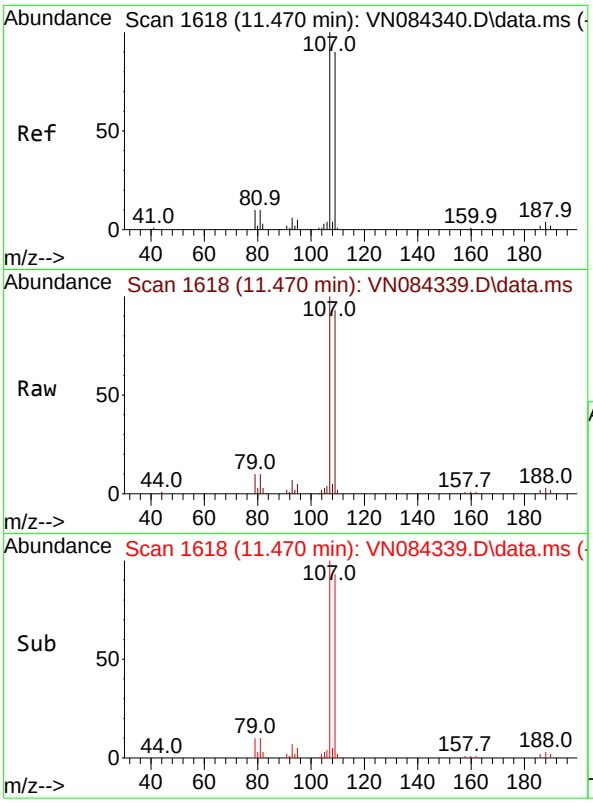


#53
Dibromochloromethane
Concen: 49.816 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:129 Resp: 135901

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5



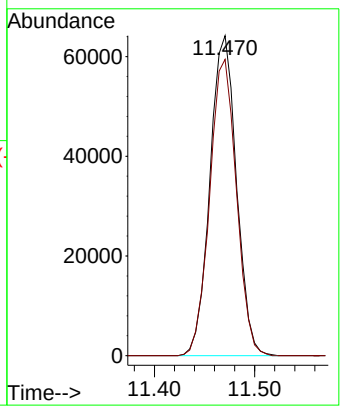


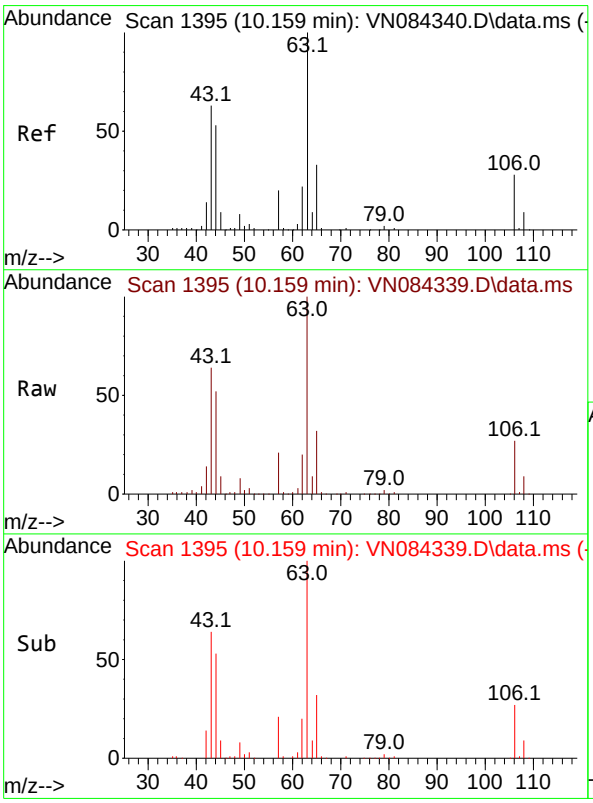
#54
1,2-Dibromoethane
Concen: 49.693 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:107 Resp: 118129

Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.8	110.6

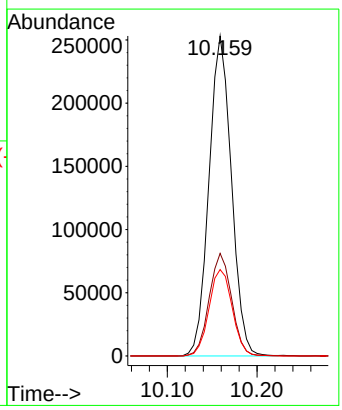


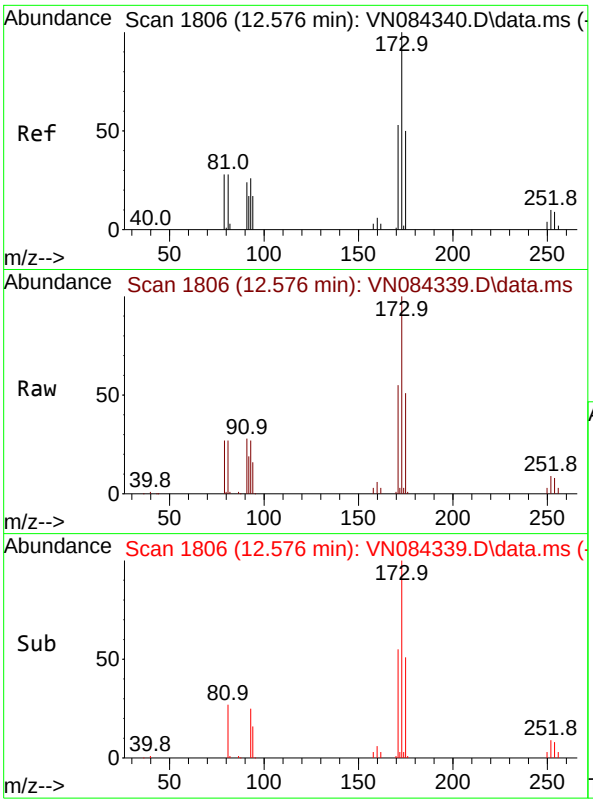


#55
2-Chloroethyl vinyl ether
Concen: 254.264 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 63 Resp: 439901

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.9	21.6	32.4



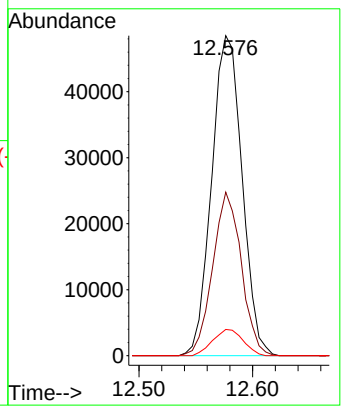


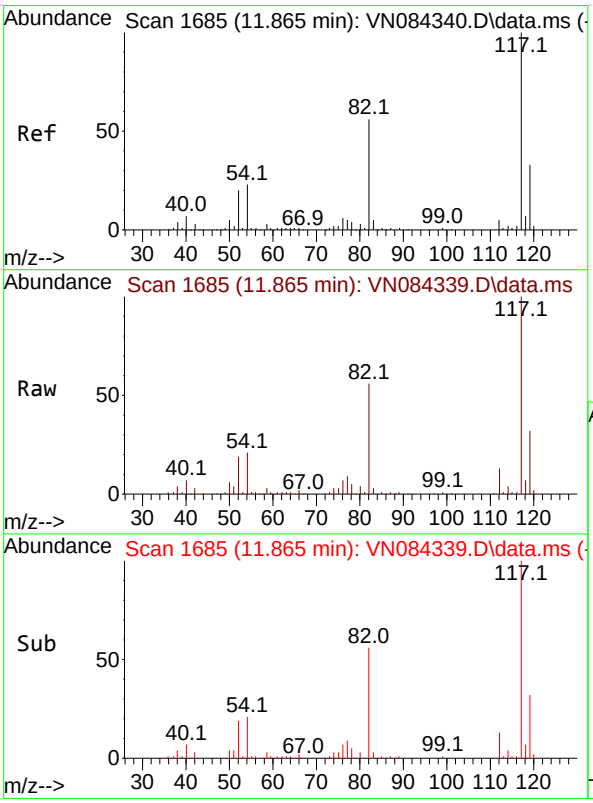
#56
Bromoform
Concen: 49.851 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:173 Resp: 90199

Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.4	59.2
254	8.2	6.8	10.2

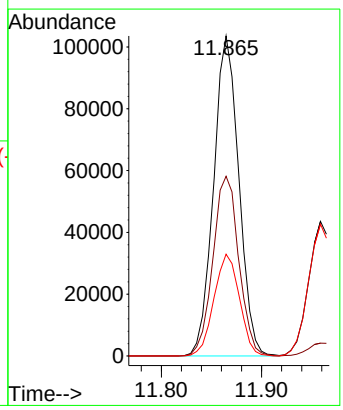


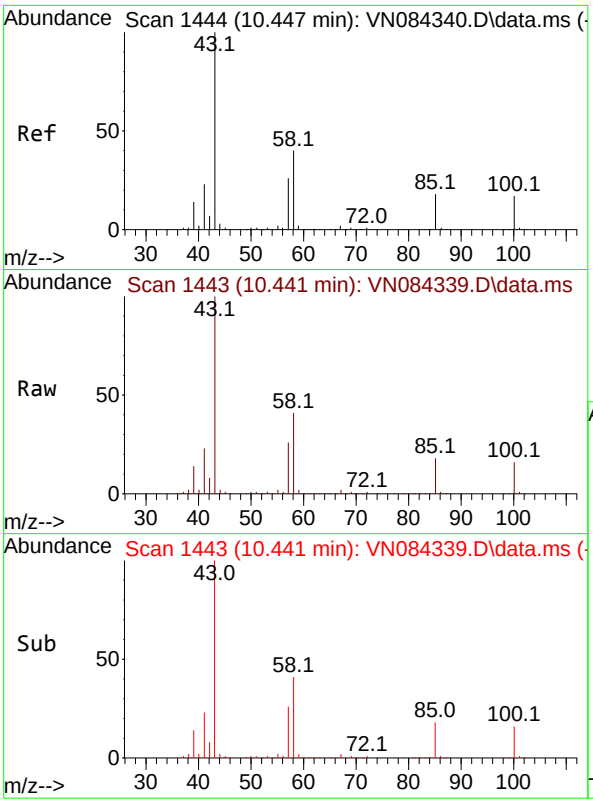


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:117 Resp: 180971

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.2	69.4
119	32.1	25.4	38.2



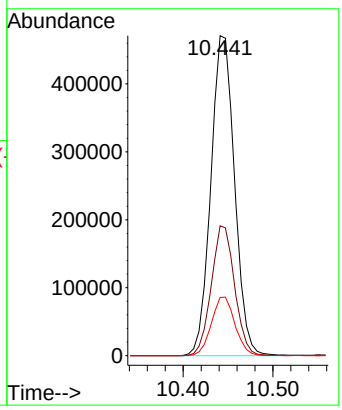


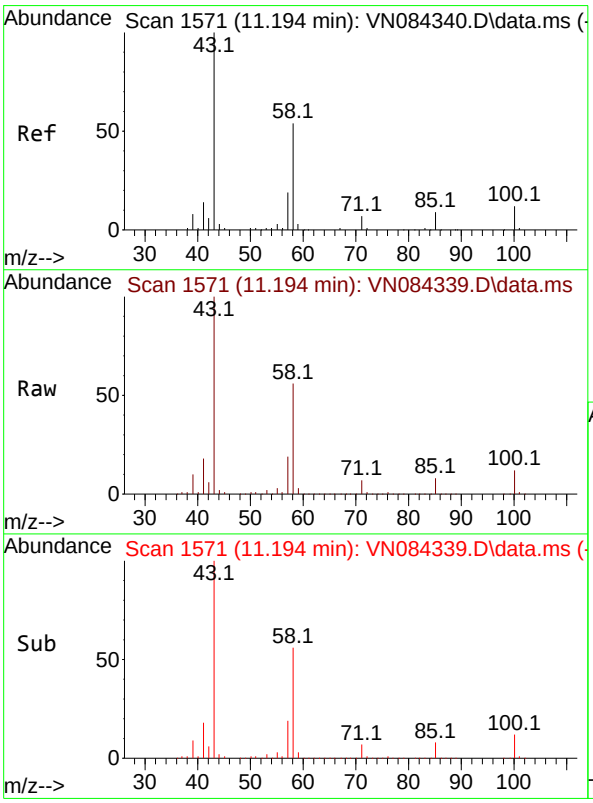
#58
4-Methyl-2-Pentanone
Concen: 256.442 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 864518

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9
85	18.2	14.6	22.0

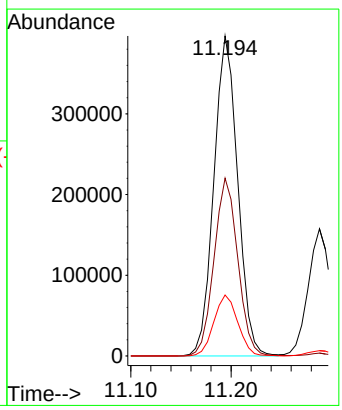


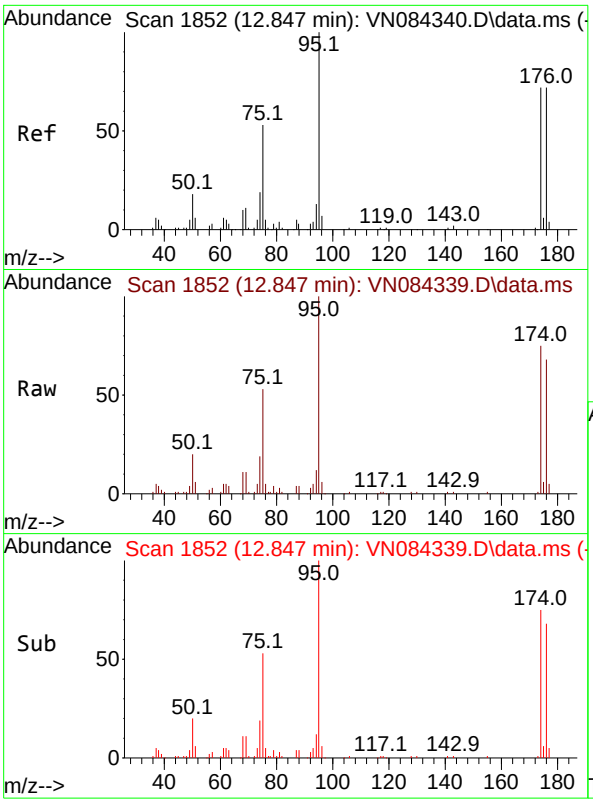


#59
2-Hexanone
Concen: 261.350 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 43 Resp: 654698

Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.0	66.0
57	19.1	15.4	23.2



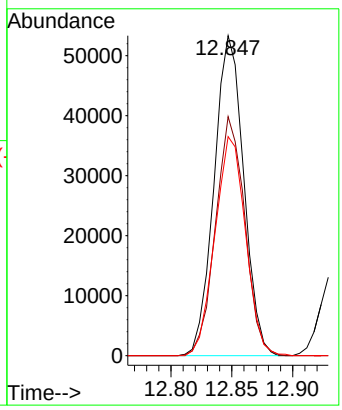


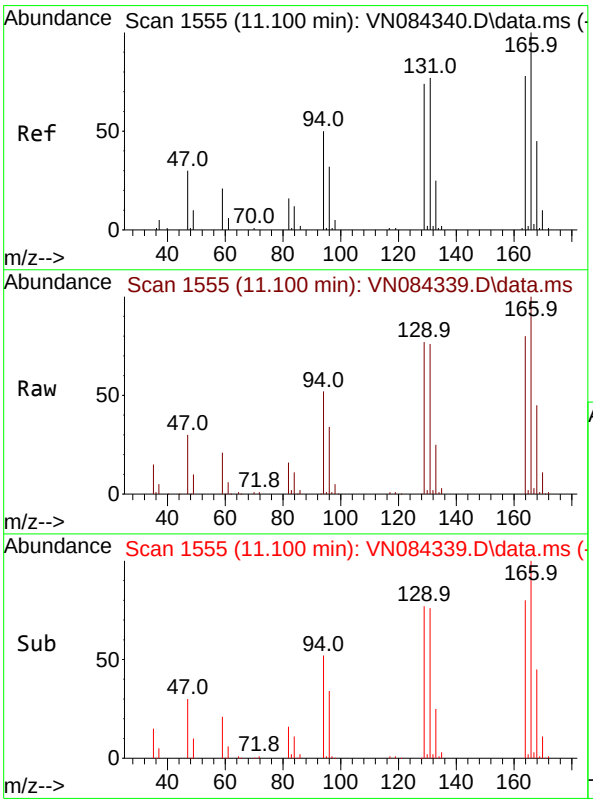
#60
4-Bromofluorobenzene
Concen: 30.202 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 95 Resp: 90206

Ion	Ratio	Lower	Upper
95	100		
174	73.7	58.2	87.2
176	70.7	56.4	84.6

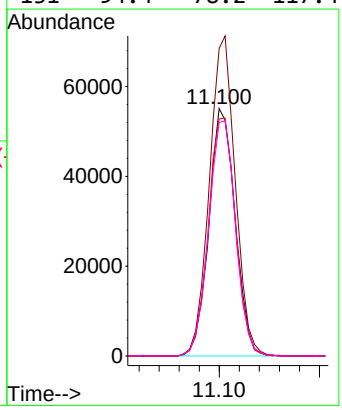


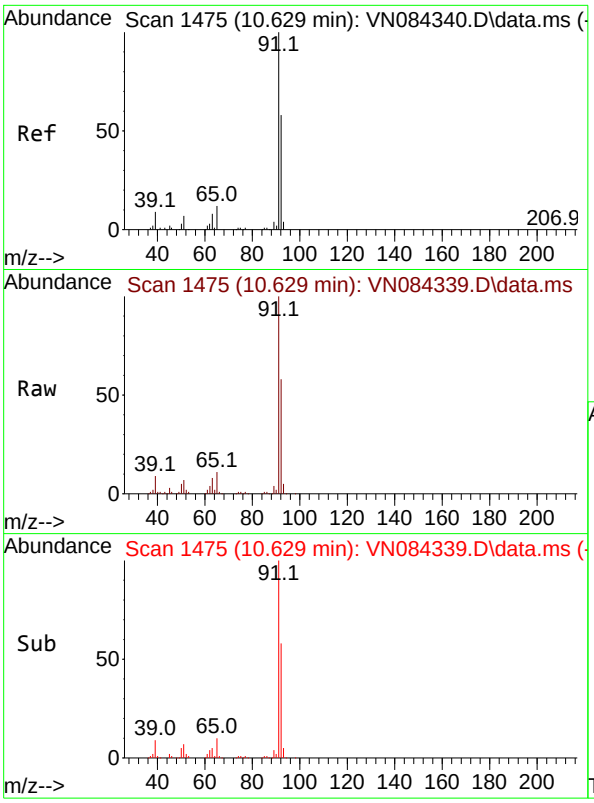


#61
Tetrachloroethene
Concen: 48.875 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:164 Resp: 100050

Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.5	153.7
129	95.8	75.7	113.5
131	94.4	78.2	117.4



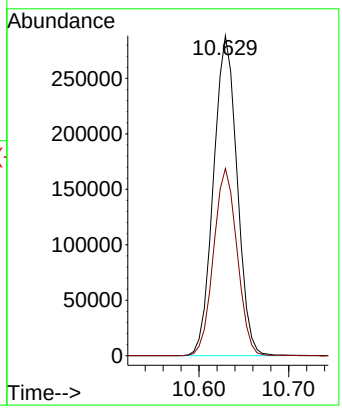


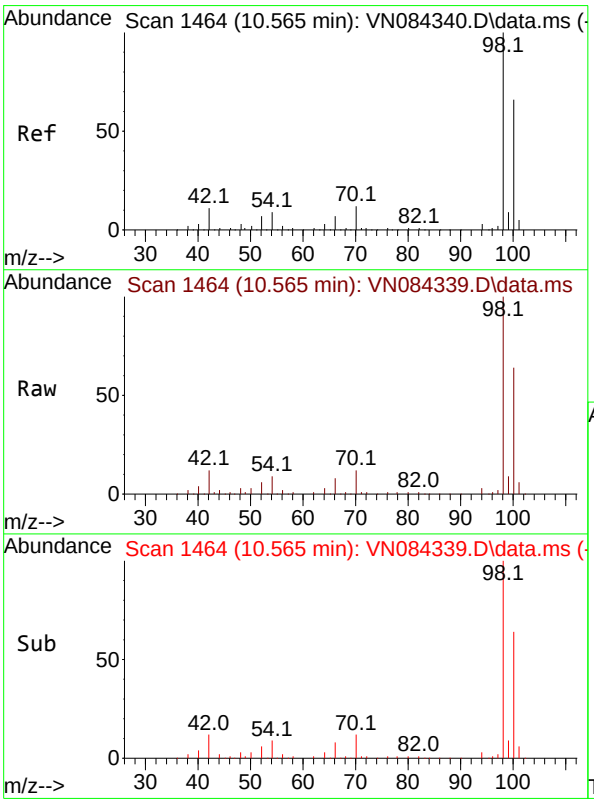
#62
Toluene
Concen: 49.707 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 526619

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.2	70.8

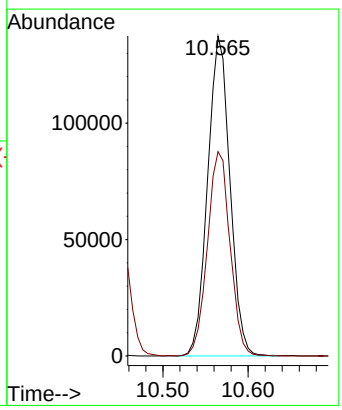


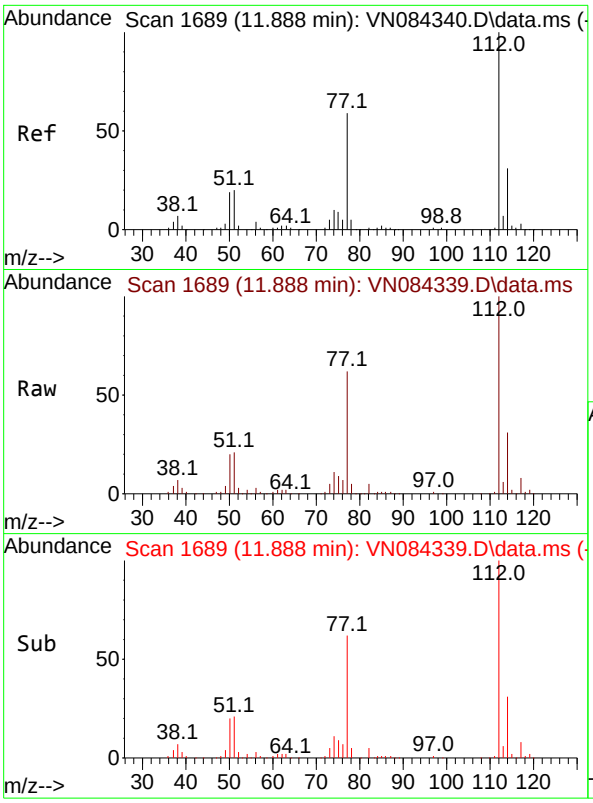


#63
Toluene-d8
Concen: 29.750 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 98 Resp: 249414

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7



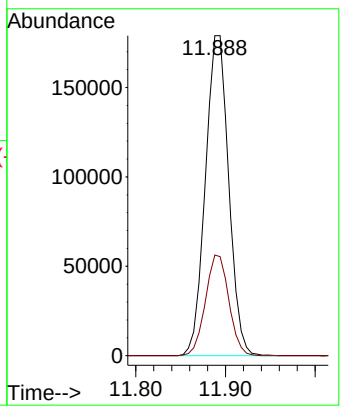


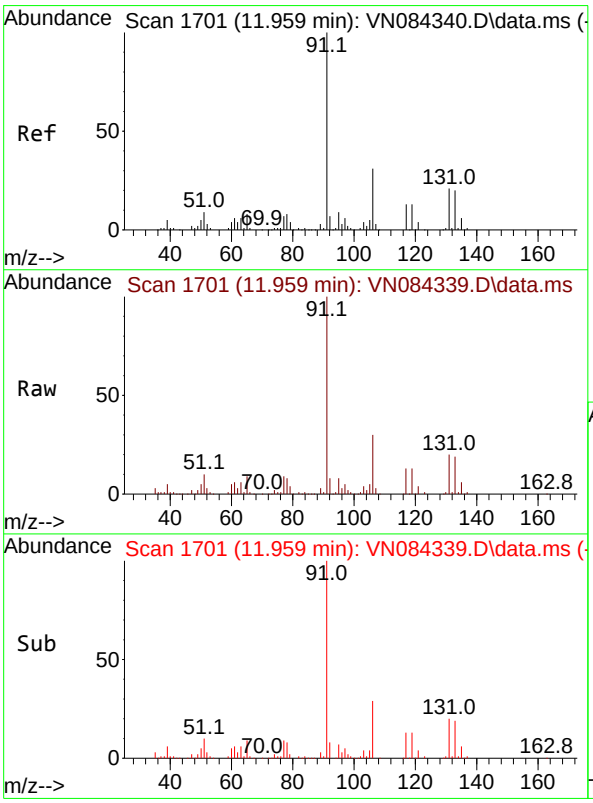
#64
Chlorobenzene
Concen: 49.023 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:112 Resp: 323202

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

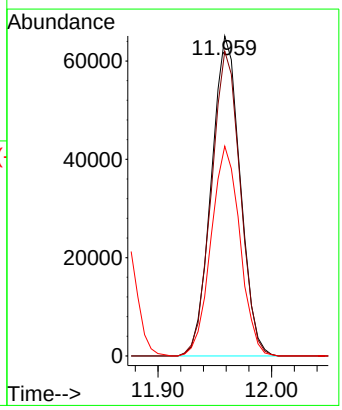


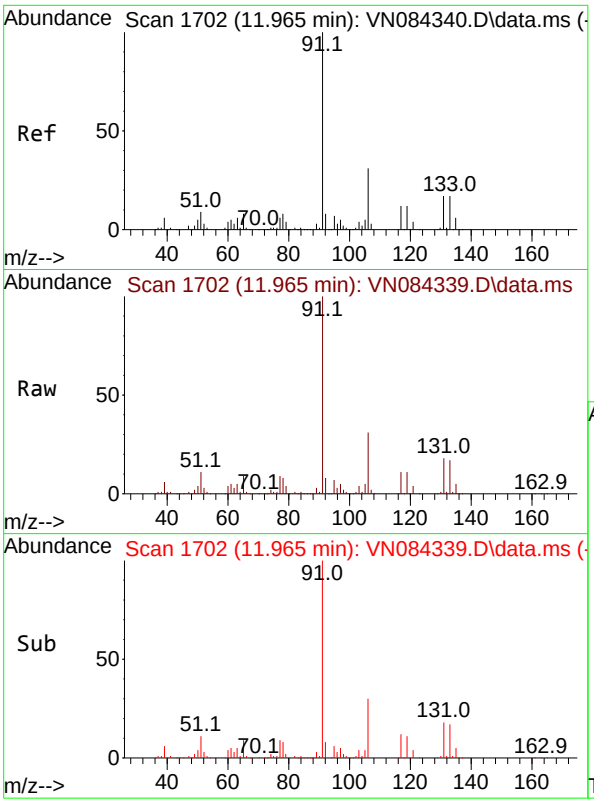


#65
1,1,1,2-Tetrachloroethane
Concen: 50.043 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:131 Resp: 114617

Ion	Ratio	Lower	Upper
131	100		
133	95.7	0.0	190.4
119	65.8	0.0	130.0



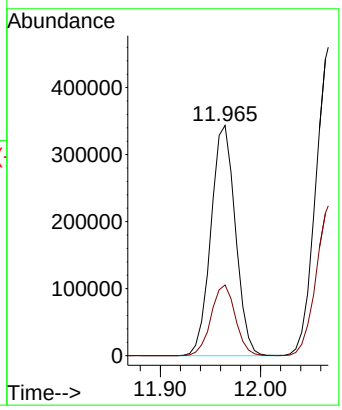


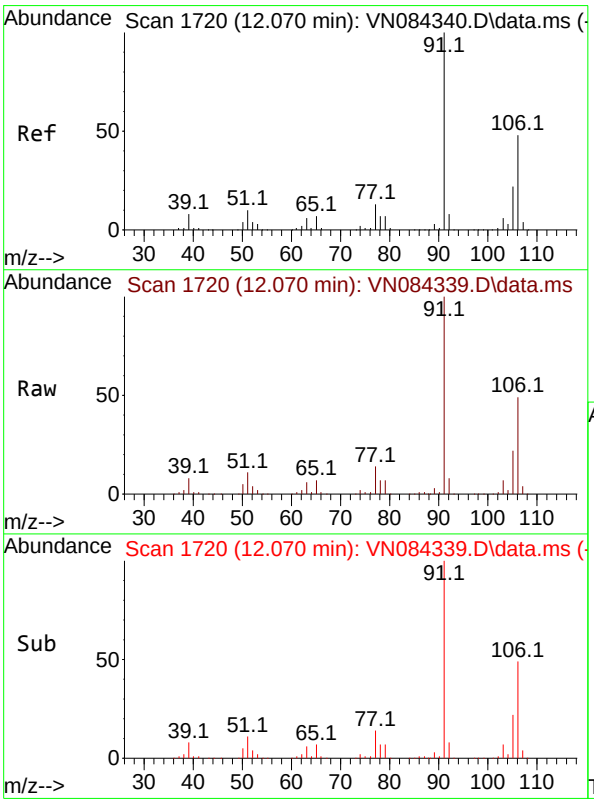
#66
Ethyl Benzene
Concen: 50.583 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 582229

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.2	37.8

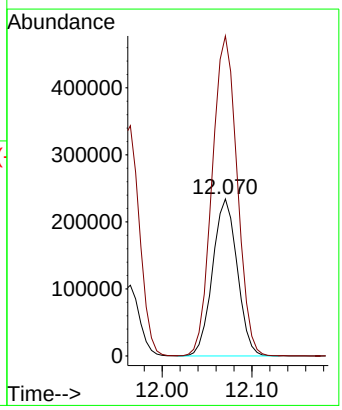


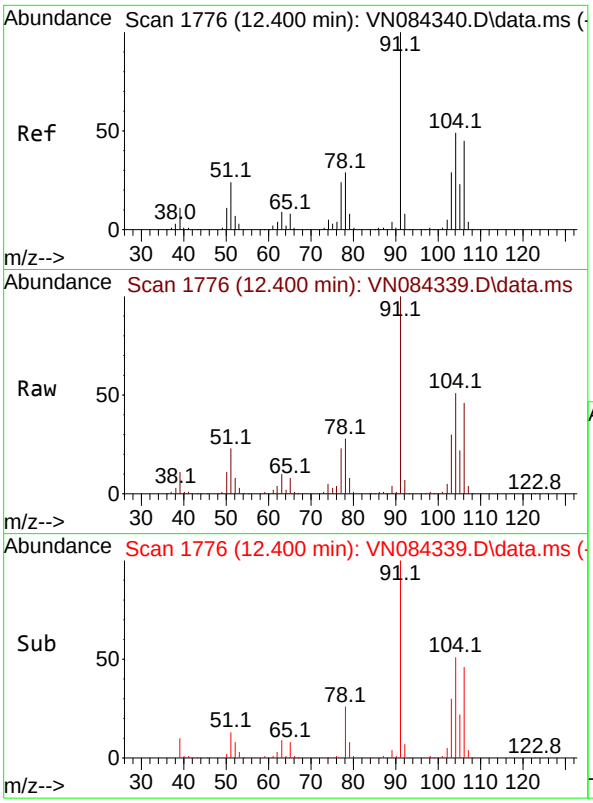


#67
m/p-Xylenes
Concen: 102.264 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:106 Resp: 446529

Ion	Ratio	Lower	Upper
106	100		
91	207.3	166.7	250.1



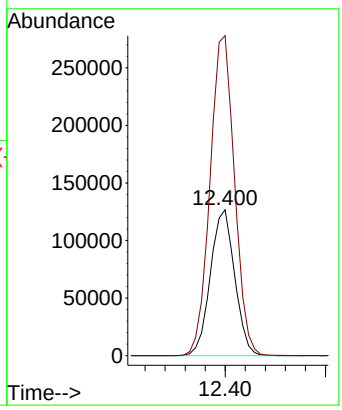


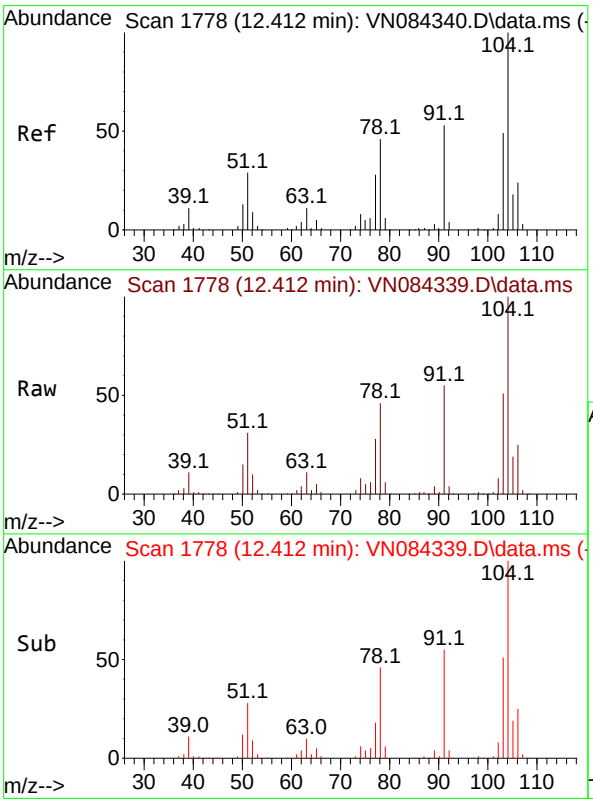
#68
o-Xylene
Concen: 50.765 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 213661

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.9	332.9

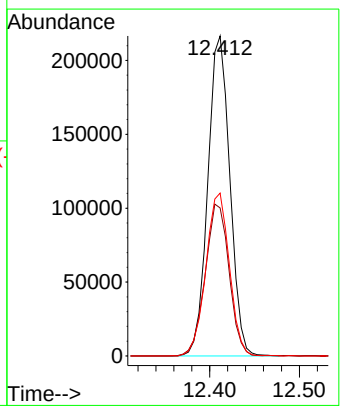


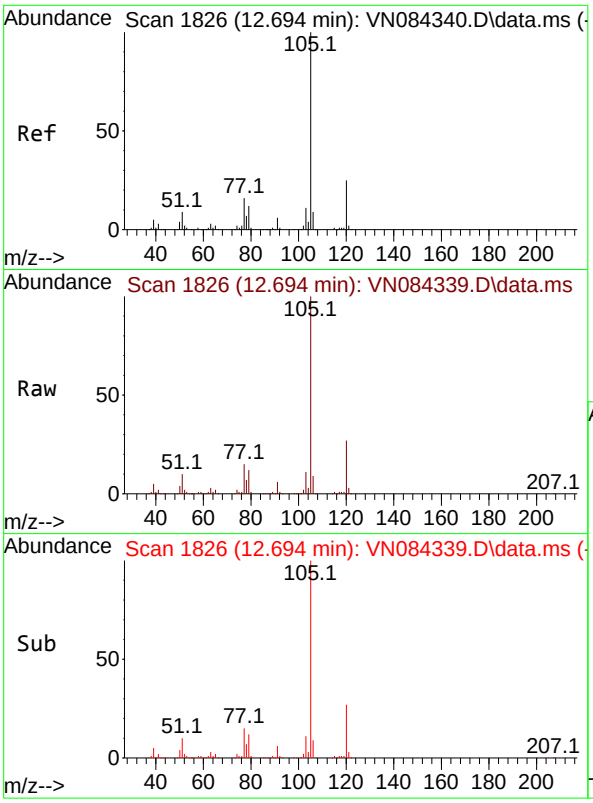


#69
Styrene
Concen: 51.169 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:104 Resp: 369695

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.6	62.4
103	54.2	44.4	66.6



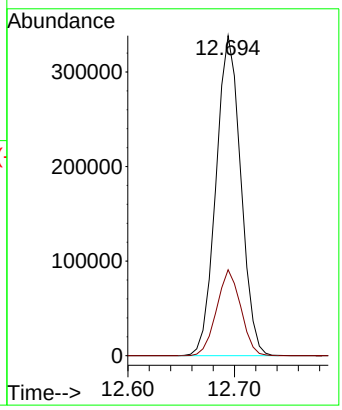


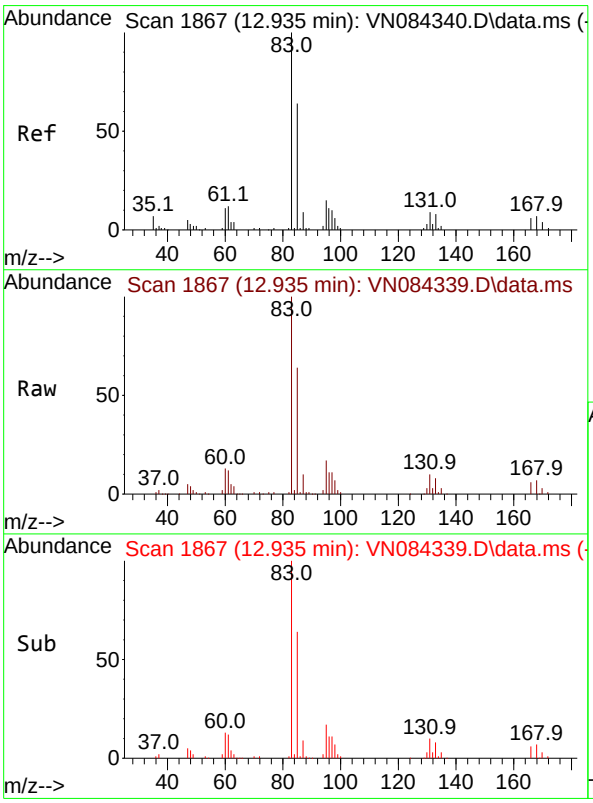
#70
Isopropylbenzene
Concen: 50.894 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:105 Resp: 546834

Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.4	32.4

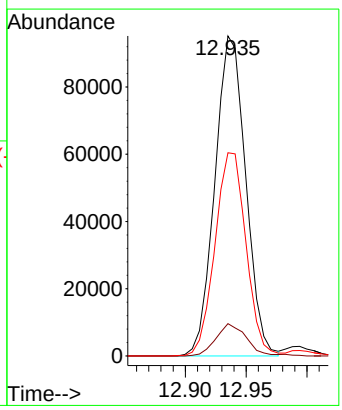


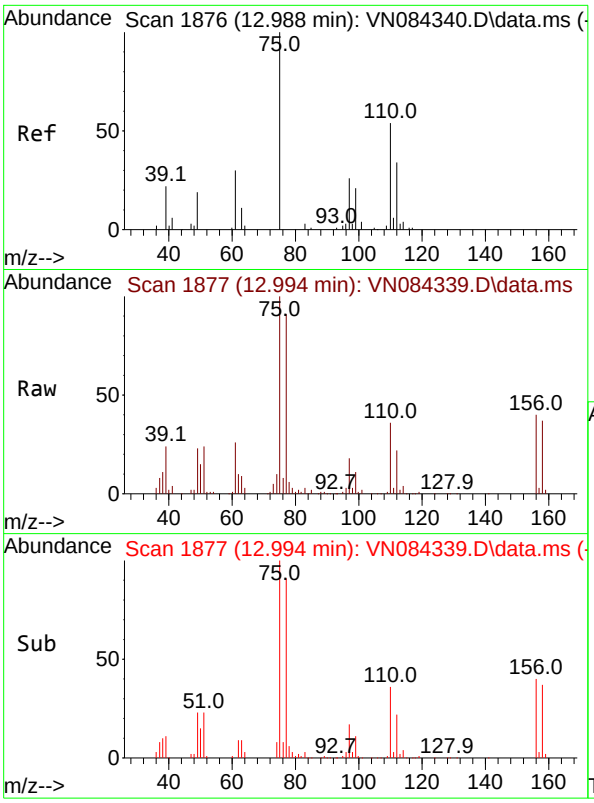


#71
1,1,2,2-Tetrachloroethane
Concen: 50.500 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 83 Resp: 167855

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.0	32.0	96.2



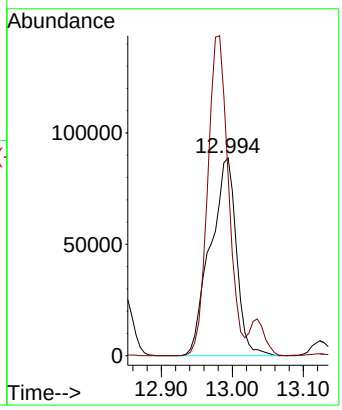


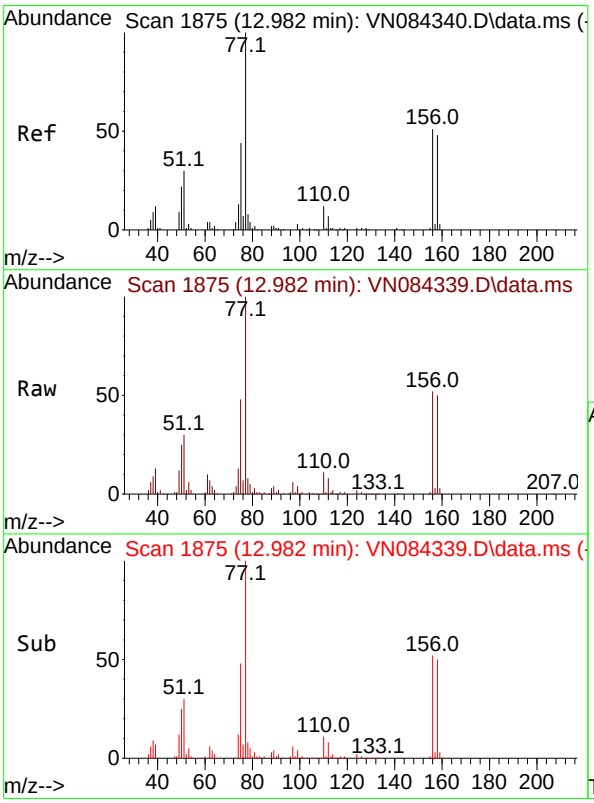
#72
1,2,3-Trichloropropane
Concen: 79.252 ug/l
RT: 12.994 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 225292

Ion	Ratio	Lower	Upper
75	100		
77	128.8	0.0	414.0

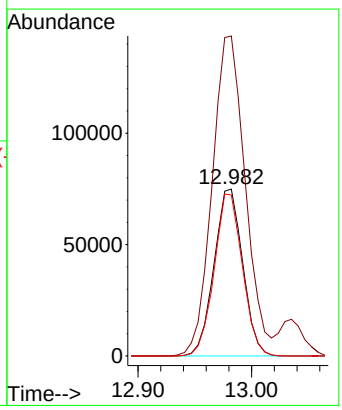


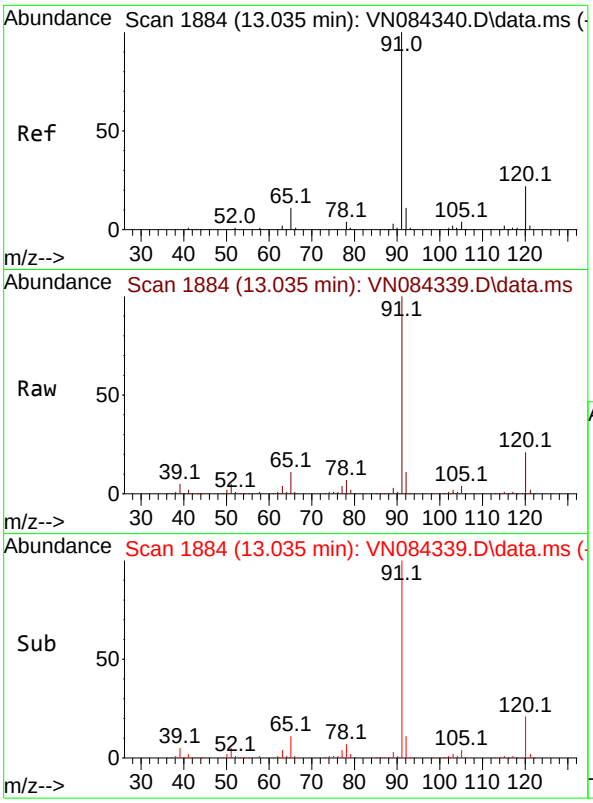


#73
Bromobenzene
Concen: 50.447 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:156 Resp: 131272

Ion	Ratio	Lower	Upper
156	100		
77	221.1	0.0	451.0
158	95.7	0.0	194.6



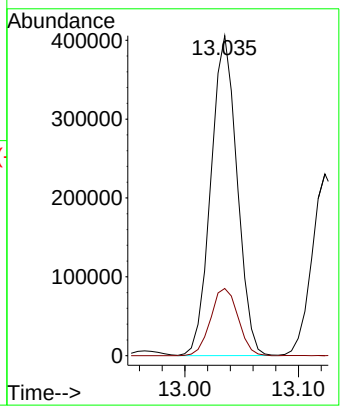


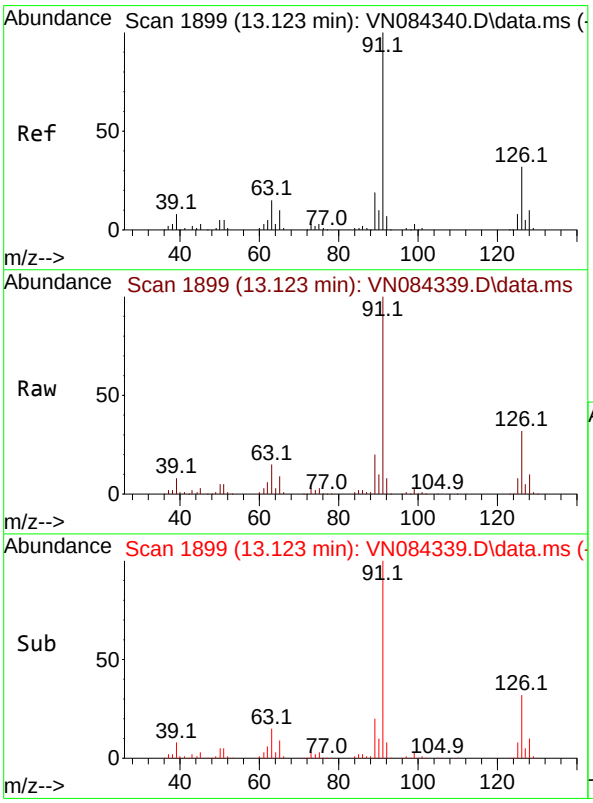
#74
n-propylbenzene
Concen: 50.836 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 650890

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	43.2

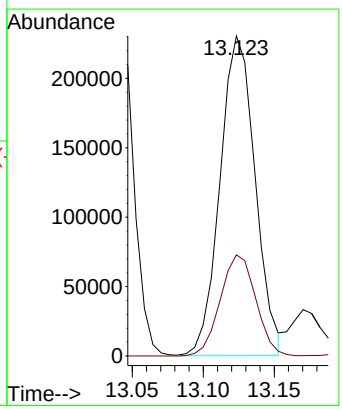


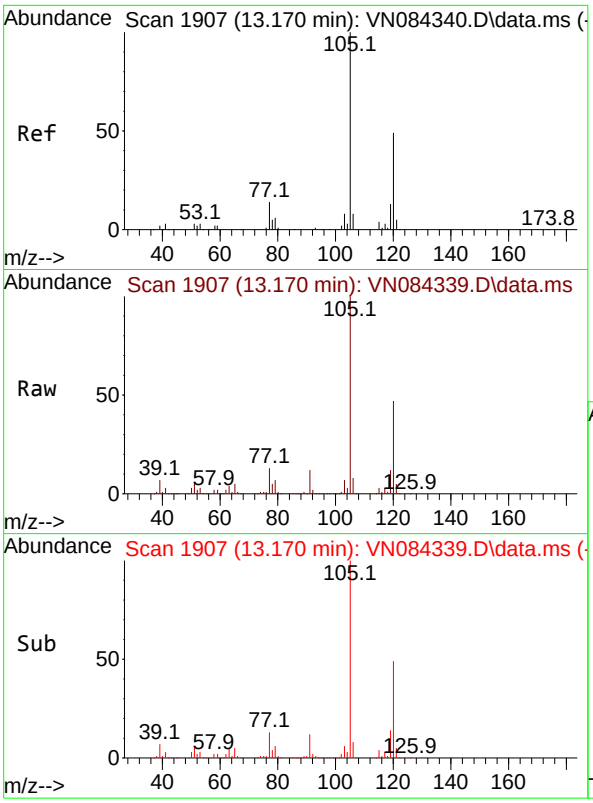


#75
2-Chlorotoluene
Concen: 49.834 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 396493

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0



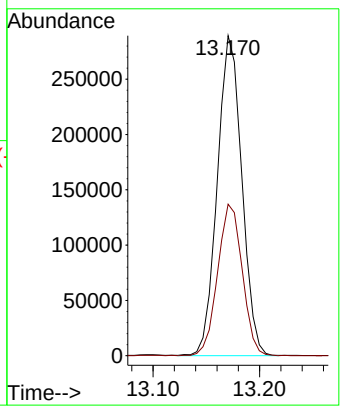


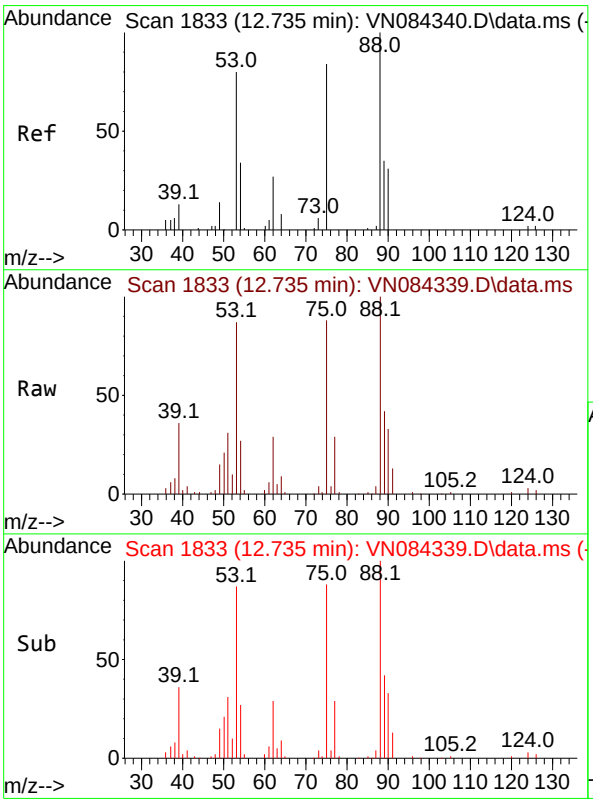
#76
1,3,5-Trimethylbenzene
Concen: 51.064 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:105 Resp: 461964

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.4

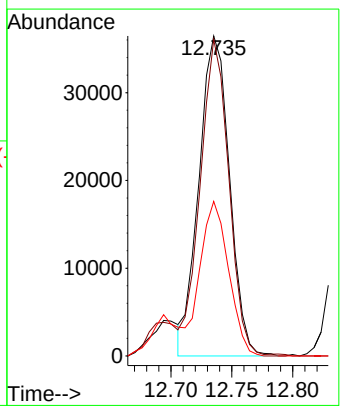


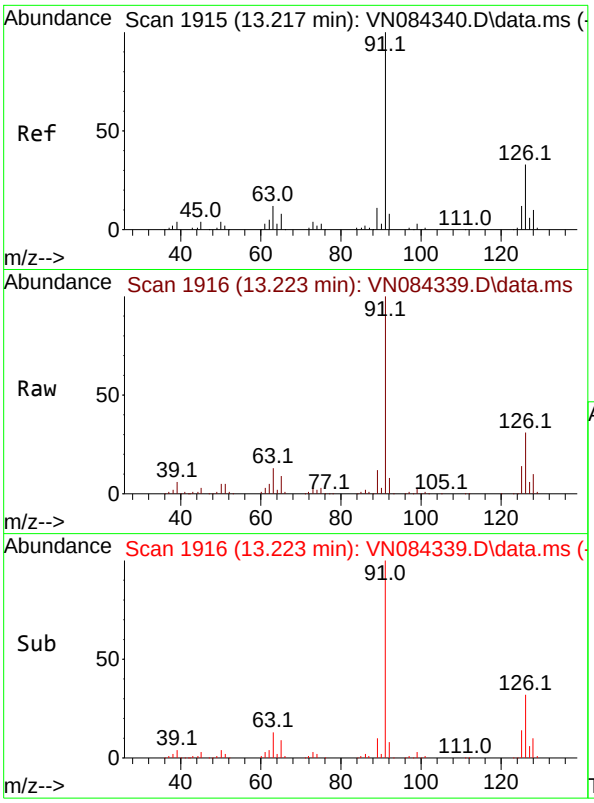


#77
t-1,4-Dichloro-2-butene
Concen: 52.330 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 75 Resp: 63656

Ion	Ratio	Lower	Upper
75	100		
53	98.3	47.3	142.0
89	48.3	22.9	68.8



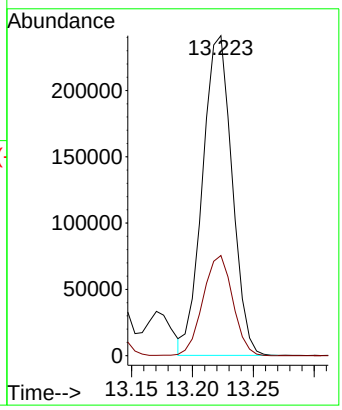


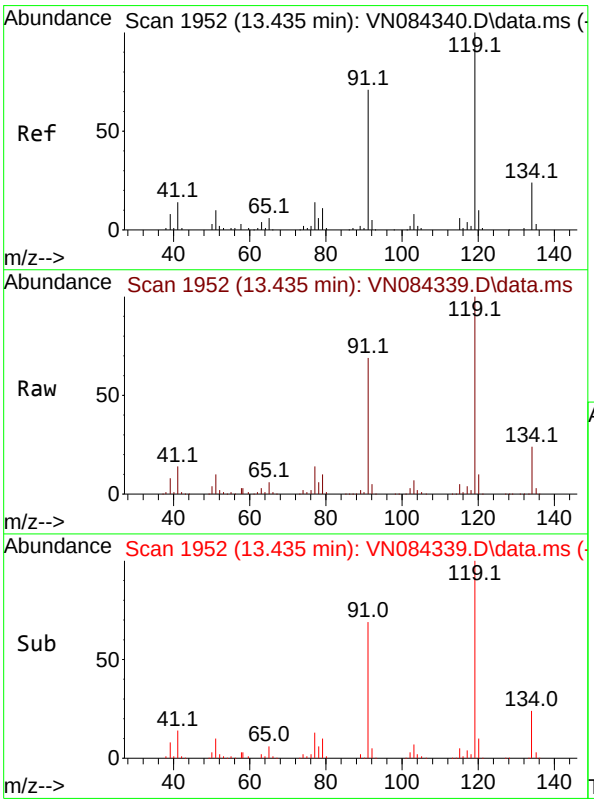
#78
4-Chlorotoluene
Concen: 50.410 ug/l
RT: 13.223 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 407771

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.4

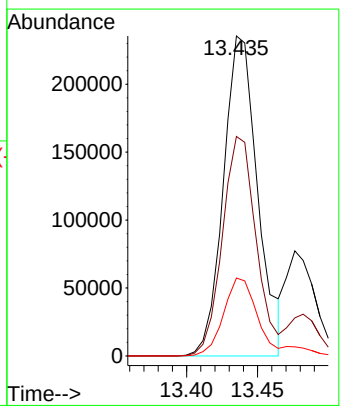


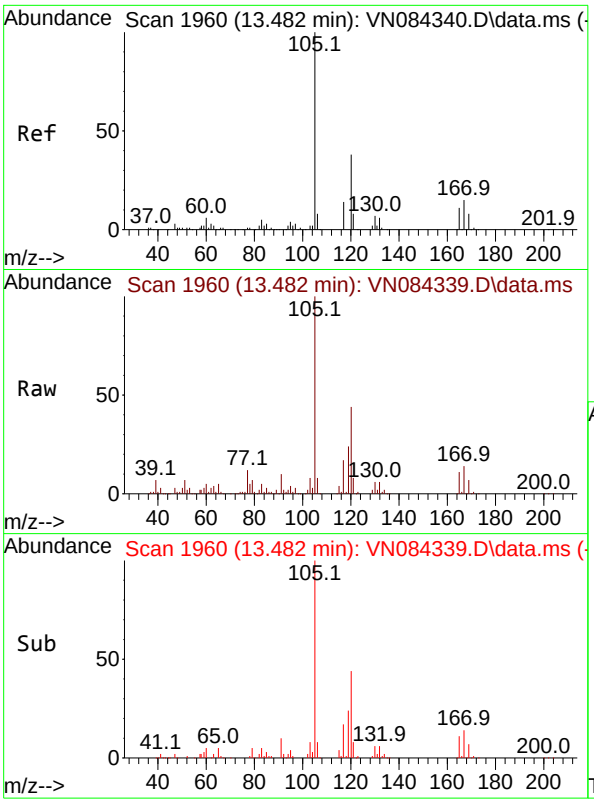


#79
tert-butylbenzene
Concen: 51.169 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:119 Resp: 394929

Ion	Ratio	Lower	Upper
119	100		
91	67.6	0.0	138.0
134	23.6	0.0	48.8



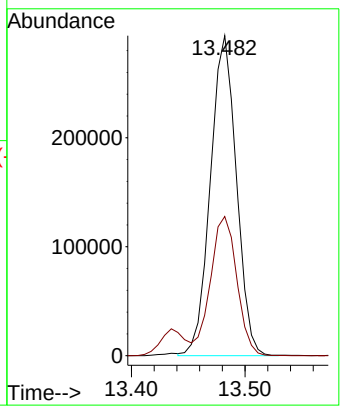


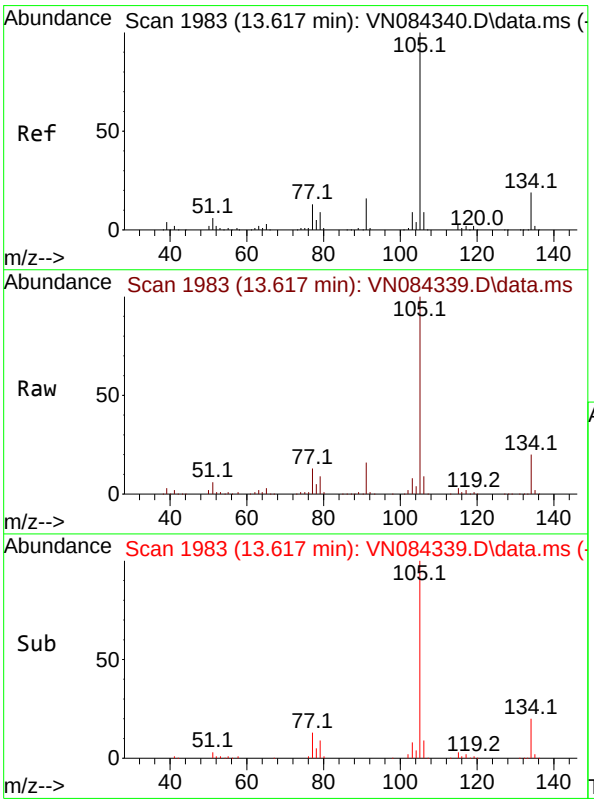
#80
1,2,4-Trimethylbenzene
Concen: 50.939 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:105 Resp: 467589

Ion	Ratio	Lower	Upper
105	100		
120	44.1	0.0	88.8

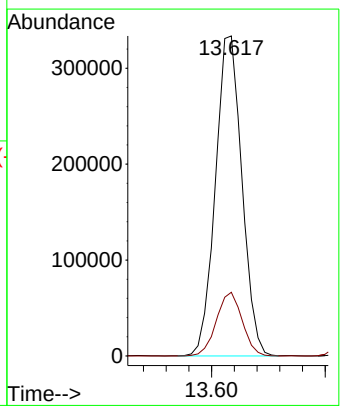


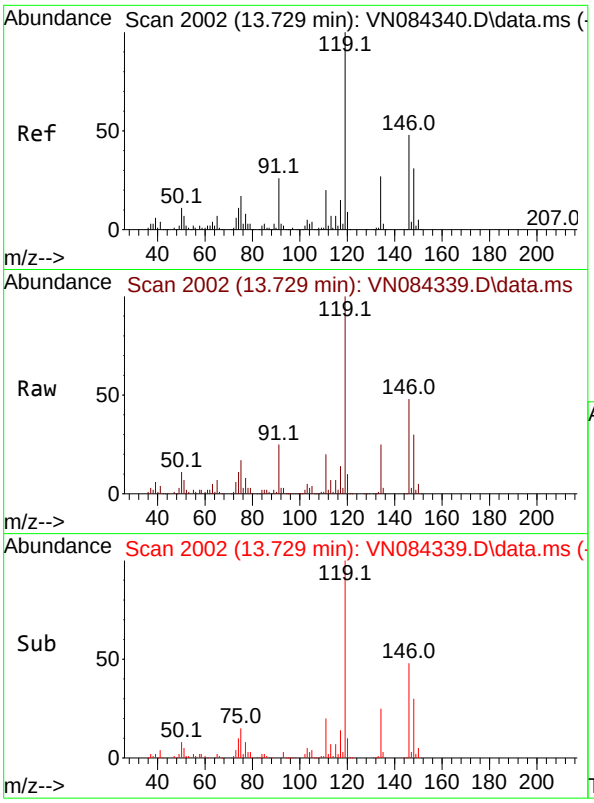


#81
sec-Butylbenzene
Concen: 50.934 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:105 Resp: 541224

Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	38.0



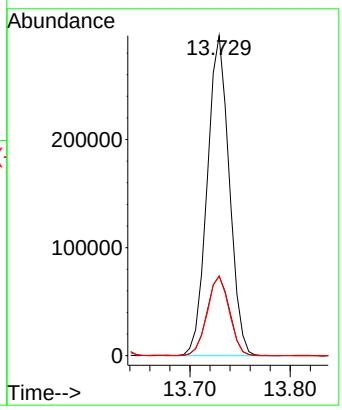


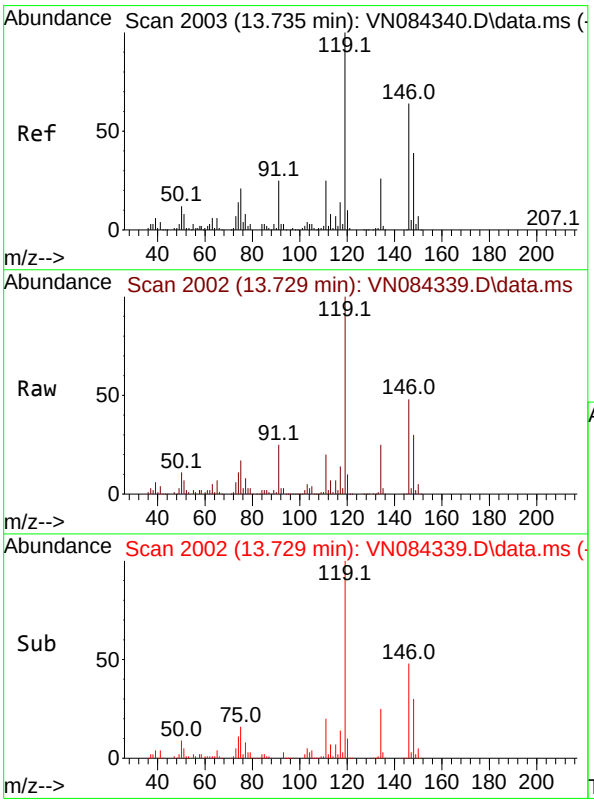
#82
p-Isopropyltoluene
Concen: 50.537 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:119 Resp: 451993

Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.2
91	24.9	0.0	50.6

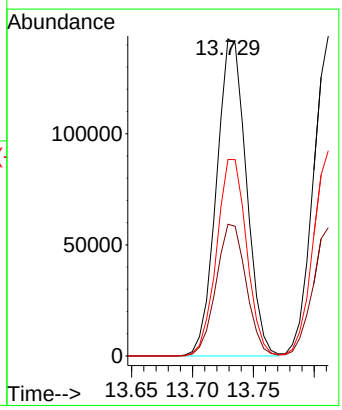


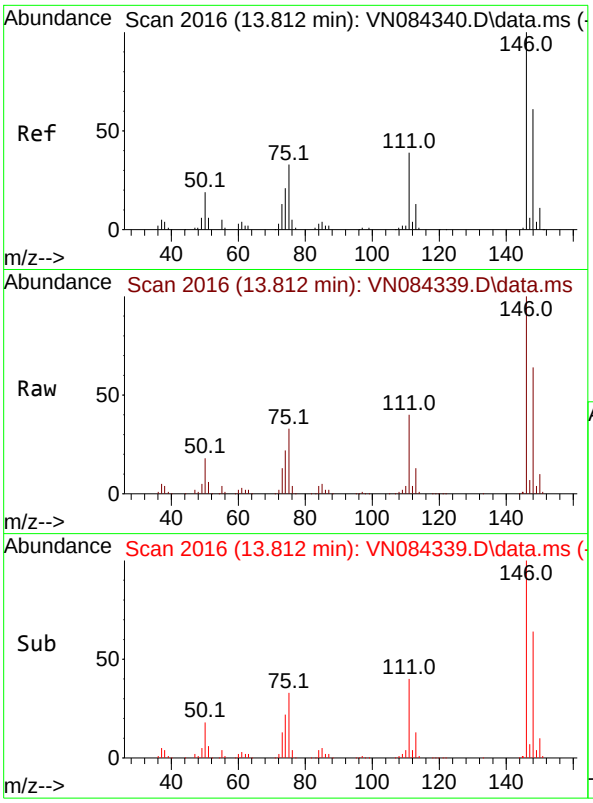


#83
1,3-Dichlorobenzene
Concen: 50.374 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:146 Resp: 243731

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	62.2	31.6	94.7



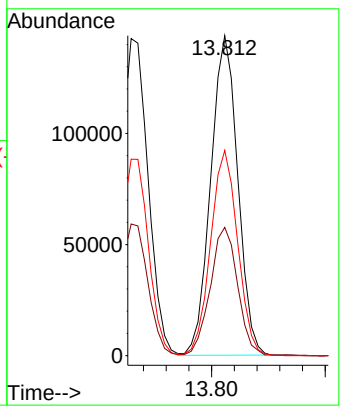


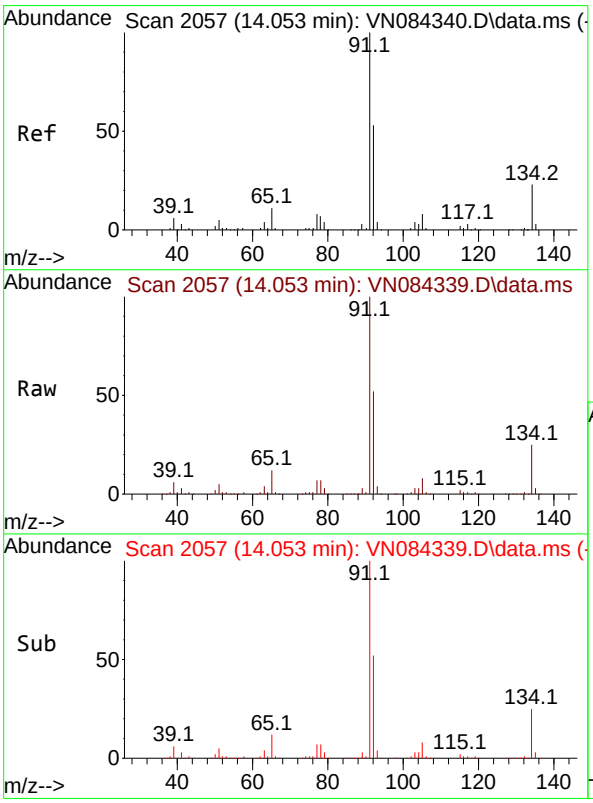
#84
1,4-Dichlorobenzene
Concen: 49.452 ug/l
RT: 13.812 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:146 Resp: 237600

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	64.4	32.5	97.4

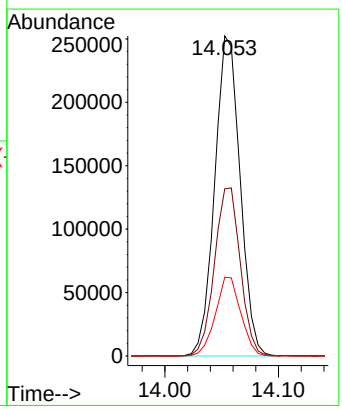


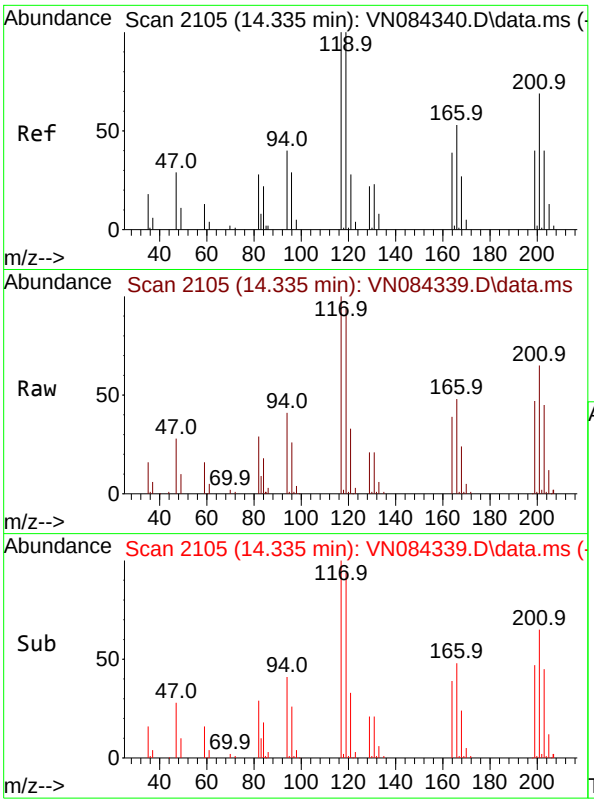


#85
n-Butylbenzene
Concen: 50.679 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion: 91 Resp: 392578

Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	103.4
134	24.5	0.0	48.0



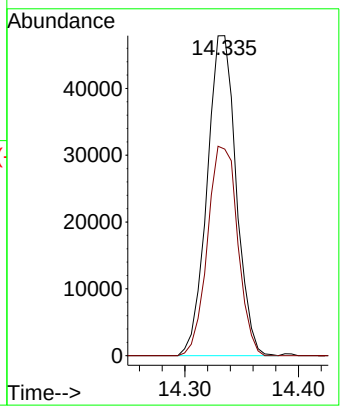


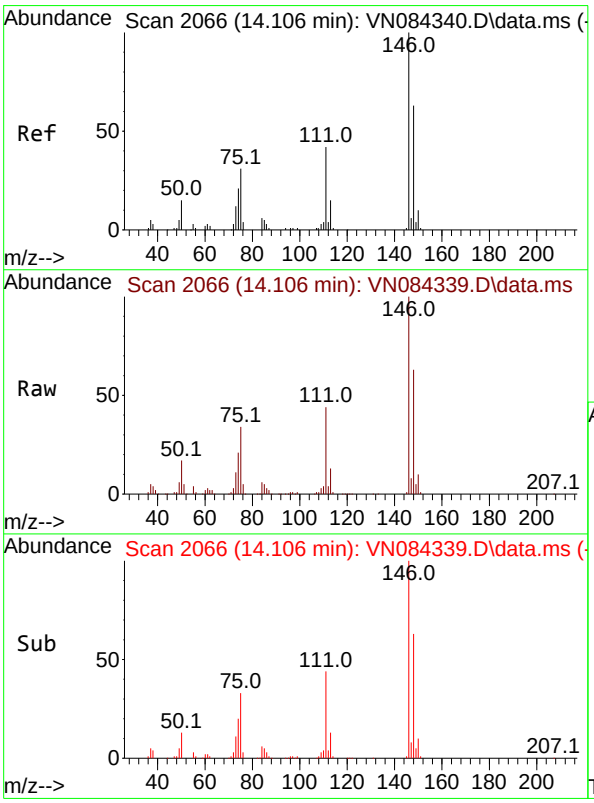
#86
Hexachloroethane
Concen: 49.410 ug/l
RT: 14.335 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:117 Resp: 85140

Ion	Ratio	Lower	Upper
117	100		
201	67.8	33.9	101.6

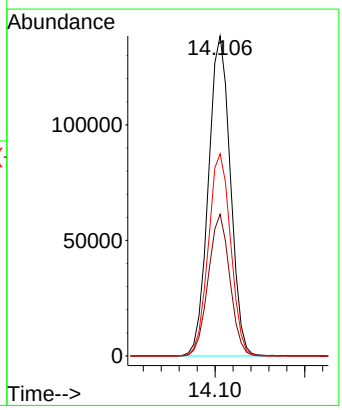


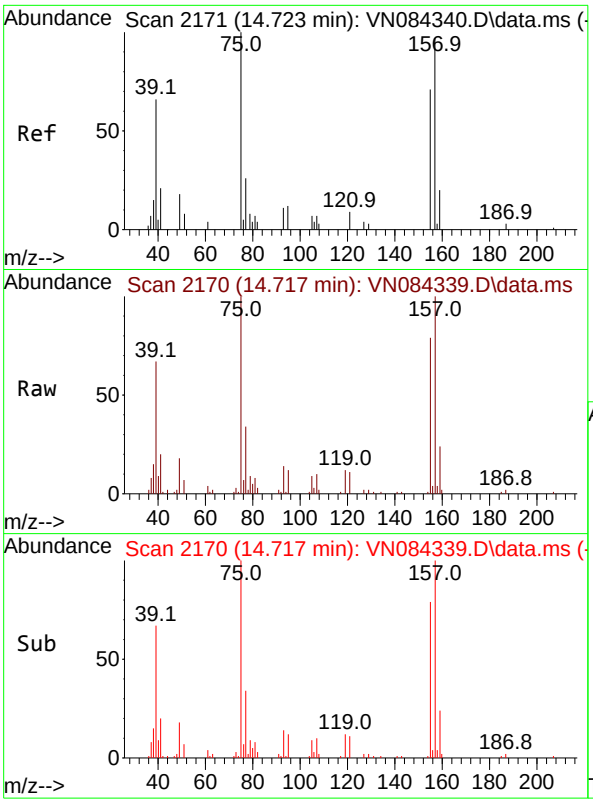


#87
1,2-Dichlorobenzene
Concen: 50.280 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:146 Resp: 235213

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.5
148	64.2	31.1	93.5



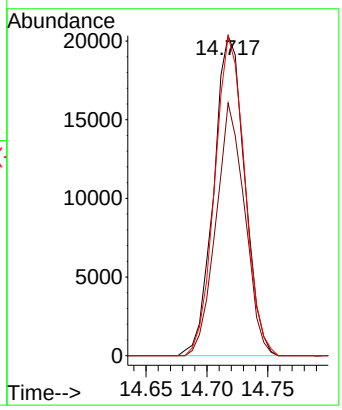


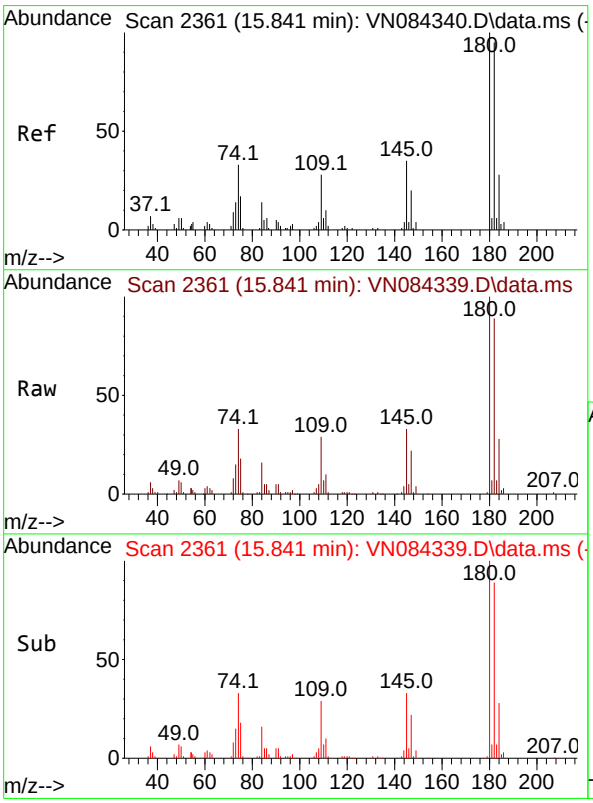
#88
1,2-Dibromo-3-Chloropropane
Concen: 52.891 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 35951

Ion	Ratio	Lower	Upper
75	100		
155	73.4	61.8	92.8
157	96.7	77.4	116.0

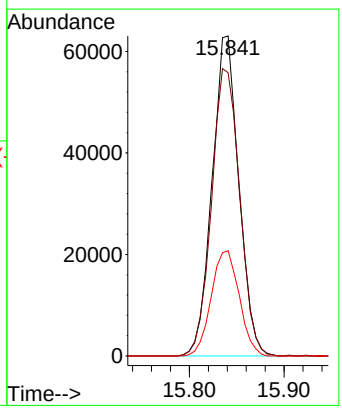


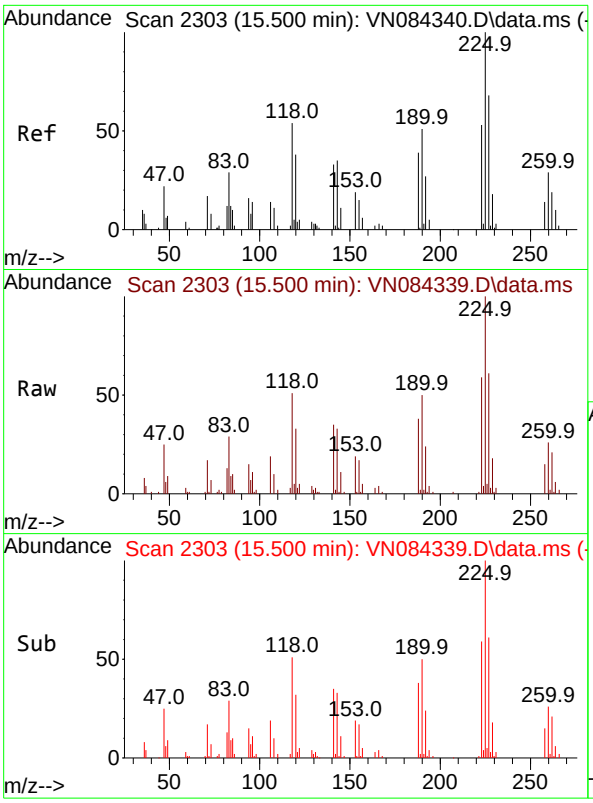


#89
1,2,4-Trichlorobenzene
Concen: 50.816 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:180 Resp: 123597

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.8	116.6
145	34.5	28.9	43.3



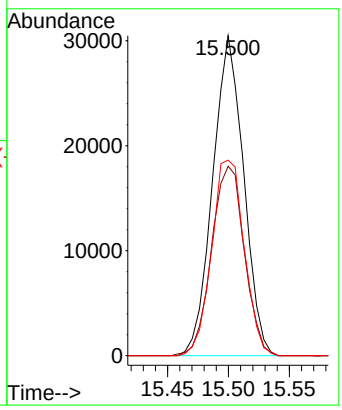


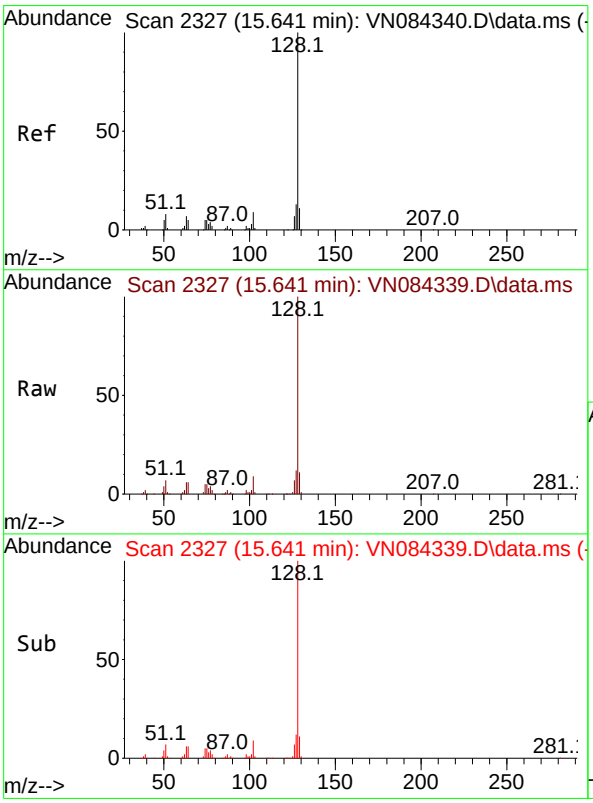
#90
Hexachlorobutadiene
Concen: 47.905 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:225 Resp: 53904

Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	124.0
227	64.4	0.0	130.8

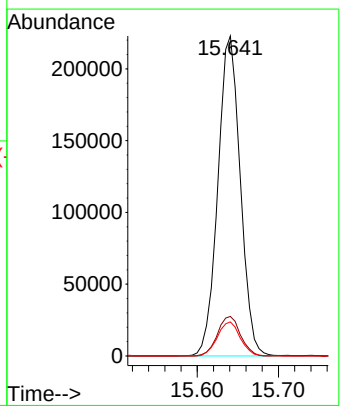


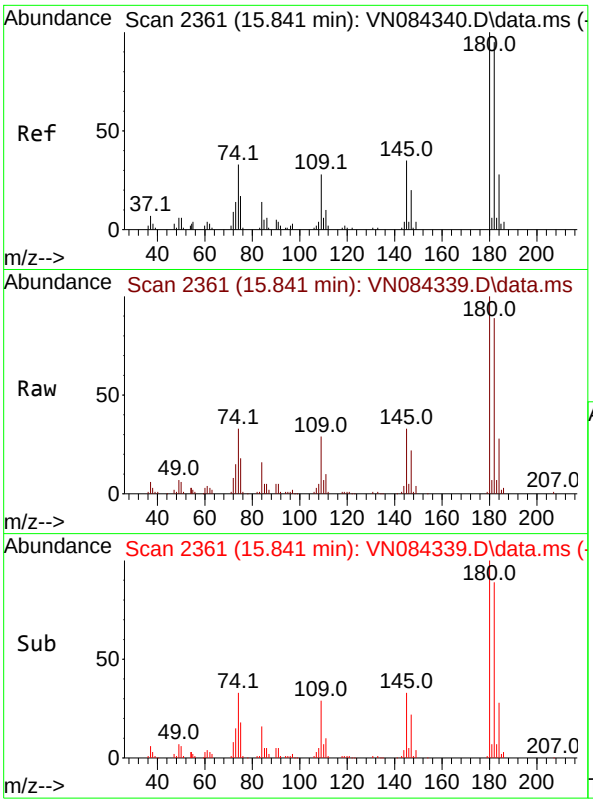


#91
Naphthalene
Concen: 51.960 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Tgt Ion:128 Resp: 428263

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.8	13.2



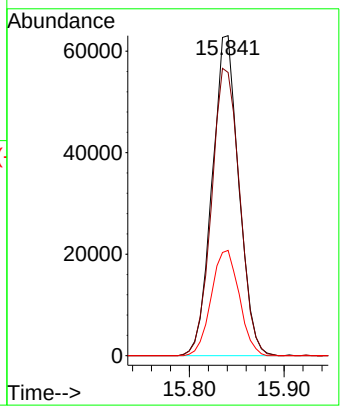


#92
1,2,3-Trichlorobenzene
Concen: 50.816 ug/l
RT: 15.841 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084339.D
Acq: 08 Oct 2024 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:180 Resp: 123597

Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	194.4
145	34.5	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084340.D
Acq On : 08 Oct 2024 10:55
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Oct 09 02:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	34673	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193364	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180372	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	85525	30.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.133%			
60) 4-Bromofluorobenzene	12.847	95	88736	29.808	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.367%			
63) Toluene-d8	10.565	98	251690	30.121	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	44634	21.084	ug/l	100
3) Chloromethane	2.359	50	49609	20.593	ug/l	100
4) Vinyl Chloride	2.512	62	48486	20.524	ug/l	100
5) Bromomethane	2.959	94	32772	20.938	ug/l	100
6) Chloroethane	3.118	64	32274	20.839	ug/l	100
7) Trichlorofluoromethane	3.495	101	78670	20.444	ug/l	100
8) Diethyl Ether	3.965	74	28475	20.127	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	43710	20.202	ug/l	100
10) 1,1-Dichloroethene	4.342	96	42386	19.633	ug/l	100
11) Methyl Iodide	4.594	142	57080	20.119	ug/l	100
12) Methyl Acetate	5.030	43	52868	19.561	ug/l	100
13) Acrolein	4.183	56	46516	92.647	ug/l	100
14) Acrylonitrile	5.718	53	123604	101.793	ug/l	100
15) Acetone	4.424	58	33083	95.376	ug/l	100
16) Carbon Disulfide	4.706	76	131855	20.510	ug/l	100
17) Allyl chloride	5.024	41	71450	20.416	ug/l	100
18) Methylene Chloride	5.277	84	49627	20.406	ug/l	100
19) trans-1,2-Dichloroethene	5.789	96	46499	20.351	ug/l	100
20) Diisopropyl ether	6.671	45	153833	20.444	ug/l	100
21) 1,1-Dichloroethane	6.571	63	88689	20.541	ug/l	100
22) cis-1,2-Dichloroethene	7.488	96	54636	20.549	ug/l	100
23) tert-Butyl Alcohol	5.524	59	46138	99.059	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	145915	20.224	ug/l	100
25) Chloroform	7.965	83	90176	20.622	ug/l	100
26) Cyclohexane	8.253	56	76065	21.064	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	63494	20.003	ug/l	100
30) 2-Butanone	7.483	43	165771	98.088	ug/l	100
31) 2,2-Dichloropropane	7.488	77	74258	19.908	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	83522	20.585	ug/l	100
33) Carbon Tetrachloride	8.365	117	70174	19.964	ug/l	100
34) Benzene	8.606	78	200730	20.202	ug/l	100
35) Methacrylonitrile	7.783	41	35246	19.549	ug/l	100
36) 1,2-Dichloroethane	8.671	62	67270	20.311	ug/l	100
37) Trichloroethene	9.347	130	47143	20.604	ug/l	100
38) Methylcyclohexane	9.600	83	66905	19.189	ug/l	100
39) 1,2-Dichloropropane	9.624	63	49785	20.547	ug/l	100
40) Dibromomethane	9.706	93	33881	20.007	ug/l	100
41) Bromodichloromethane	9.888	83	72106	20.057	ug/l	100
42) Vinyl Acetate	6.600	43	572205	97.351	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084340.D
Acq On : 08 Oct 2024 10:55
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Oct 09 02:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

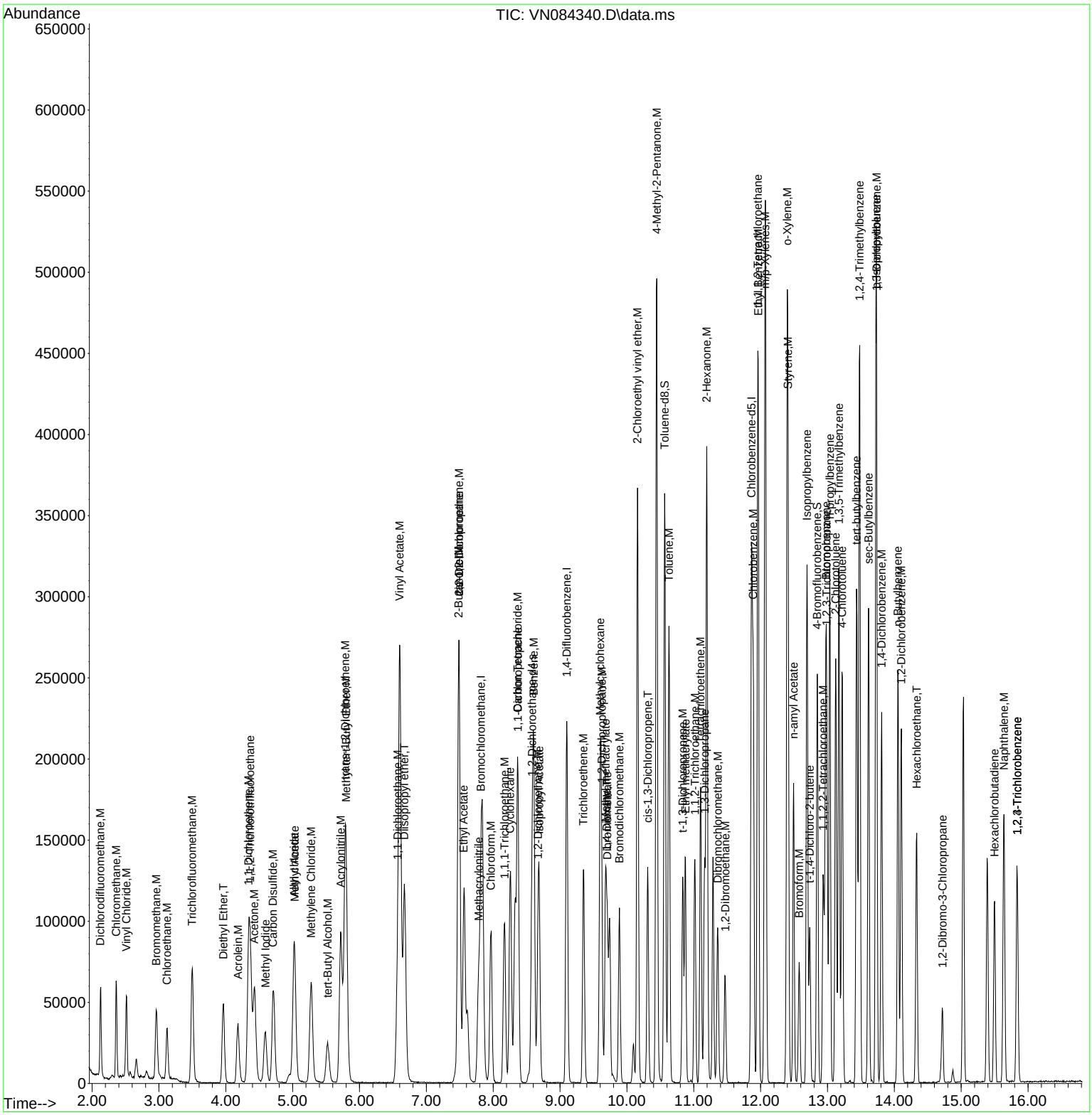
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	65636	19.692	ug/l	100
44) Isopropyl Acetate	8.688	43	108346	19.860	ug/l	100
45) 1,4-Dioxane	9.700	88	18510	376.387	ug/l	100
46) Methyl methacrylate	9.682	41	52087	19.761	ug/l	100
47) n-amyl Acetate	12.494	43	95368	19.654	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	72331	19.470	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	79003	20.292	ug/l	100
50) 1,1,2-Trichloroethane	11.018	97	45599	20.033	ug/l	100
51) Ethyl methacrylate	10.876	69	74070	19.701	ug/l	100
52) 1,3-Dichloropropane	11.165	76	80622	20.257	ug/l	100
53) Dibromochloromethane	11.359	129	53563	19.920	ug/l	100
54) 1,2-Dibromoethane	11.470	107	47708	20.362	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	161430	94.667	ug/l	100
56) Bromoform	12.576	173	34047	19.091	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	336052	100.014	ug/l	100
59) 2-Hexanone	11.194	43	245030	98.139	ug/l	100
61) Tetrachloroethene	11.100	164	41072	20.131	ug/l	100
62) Toluene	10.629	91	211795	20.058	ug/l	100
64) Chlorobenzene	11.888	112	130620	19.878	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	46005	20.153	ug/l	100
66) Ethyl Benzene	11.965	91	227198	19.804	ug/l	100
67) m/p-Xylenes	12.070	106	174434	40.081	ug/l	100
68) o-Xylene	12.400	106	83154	19.823	ug/l	100
69) Styrene	12.412	104	142239	19.752	ug/l	100
70) Isopropylbenzene	12.694	105	214822	20.060	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	66030	19.931	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	85664	30.234	ug/l	54
73) Bromobenzene	12.982	156	51441	19.834	ug/l	100
74) n-propylbenzene	13.035	91	253393	19.856	ug/l	100
75) 2-Chlorotoluene	13.123	91	158981	20.048	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	178878	19.838	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	22530	18.583	ug/l	100
78) 4-Chlorotoluene	13.217	91	159107	19.735	ug/l	100
79) tert-butylbenzene	13.435	119	151487	19.692	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	180628	19.743	ug/l	100
81) sec-Butylbenzene	13.617	105	210010	19.829	ug/l	100
82) p-Isopropyltoluene	13.729	119	173074	19.415	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	95054	19.711	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	91564	19.121	ug/l	100
85) n-Butylbenzene	14.053	91	144192	18.676	ug/l	100
86) Hexachloroethane	14.335	117	33531	19.524	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	90933	19.503	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13240	19.543	ug/l	100
89) 1,2,4-Trichlorobenzene	15.841	180	45853	18.915	ug/l	100
90) Hexachlorobutadiene	15.500	225	20860	18.600	ug/l	100
91) Naphthalene	15.641	128	154471	18.804	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	45853	18.915	ug/l	100

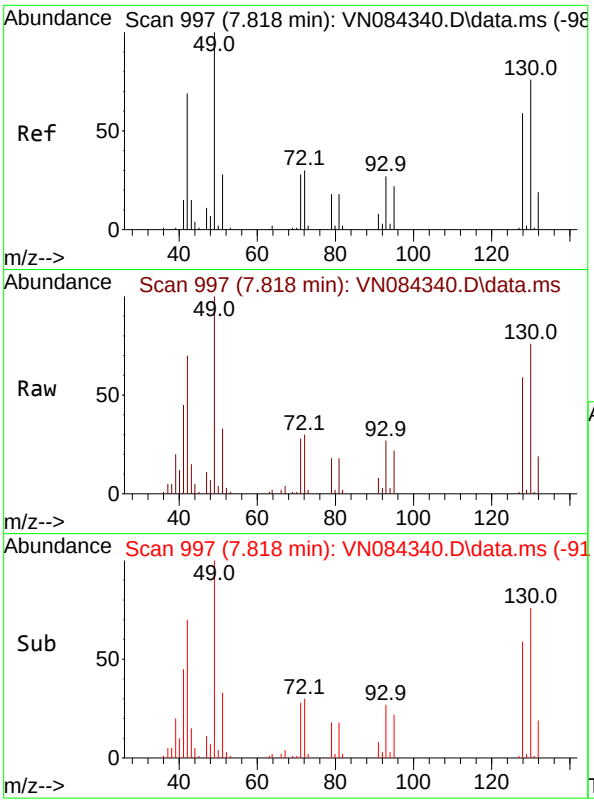
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084340.D
Acq On : 08 Oct 2024 10:55
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Oct 09 02:08:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration



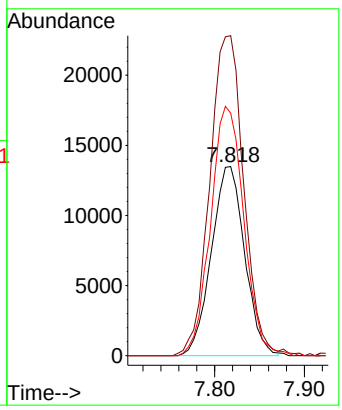


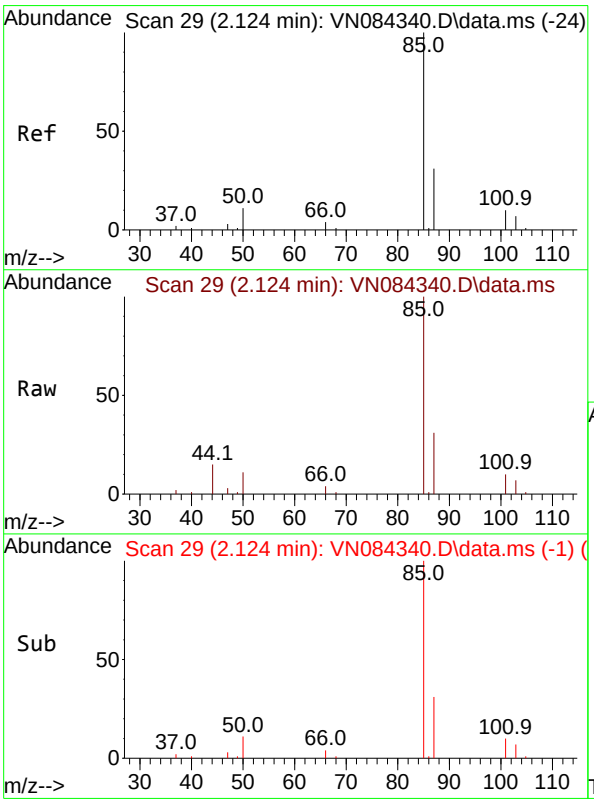
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 34673

Ion	Ratio	Lower	Upper
128	100		
49	172.0	0.0	430.0
130	131.9	0.0	329.8

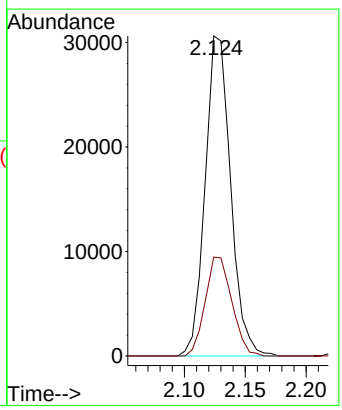


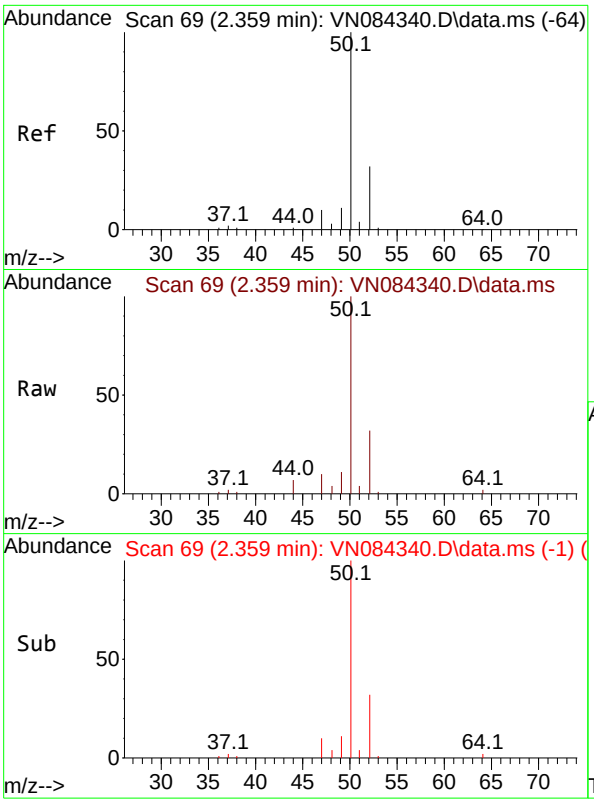


#2
Dichlorodifluoromethane
Concen: 21.084 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 85 Resp: 44634

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4



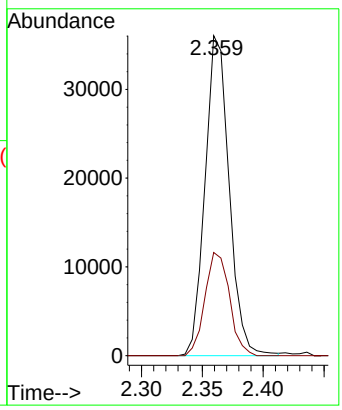


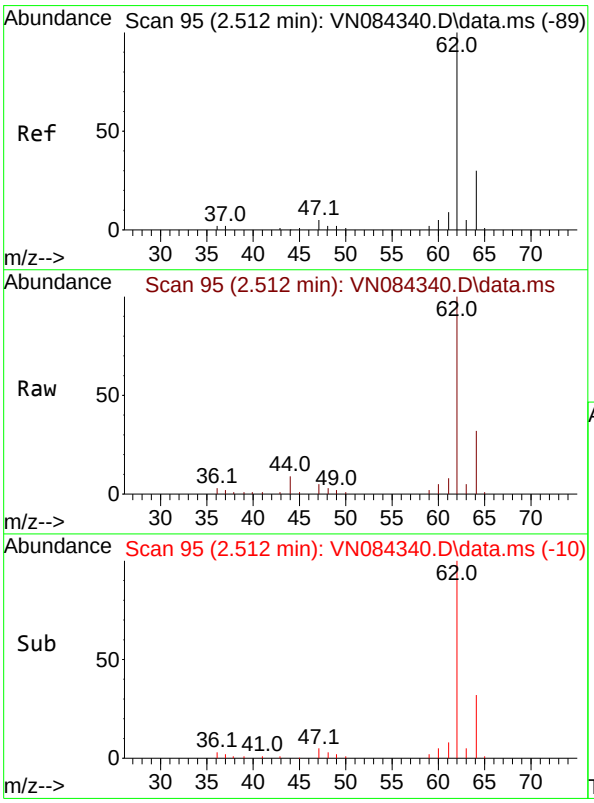
#3
Chloromethane
Concen: 20.593 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 50 Resp: 49609

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6

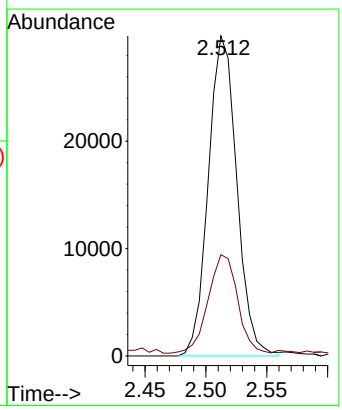


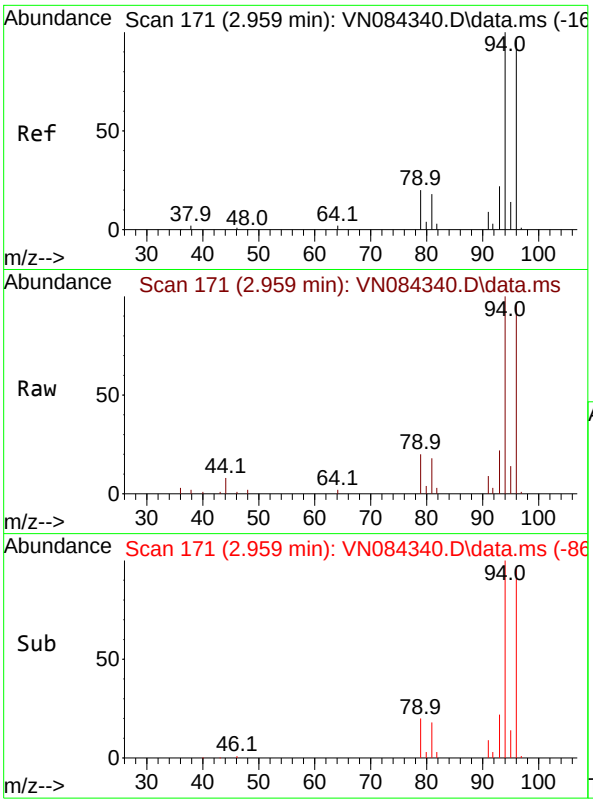


#4
Vinyl Chloride
Concen: 20.524 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 62 Resp: 48486

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



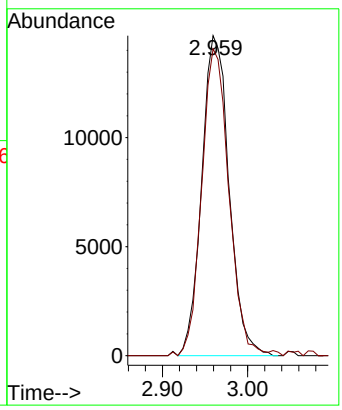


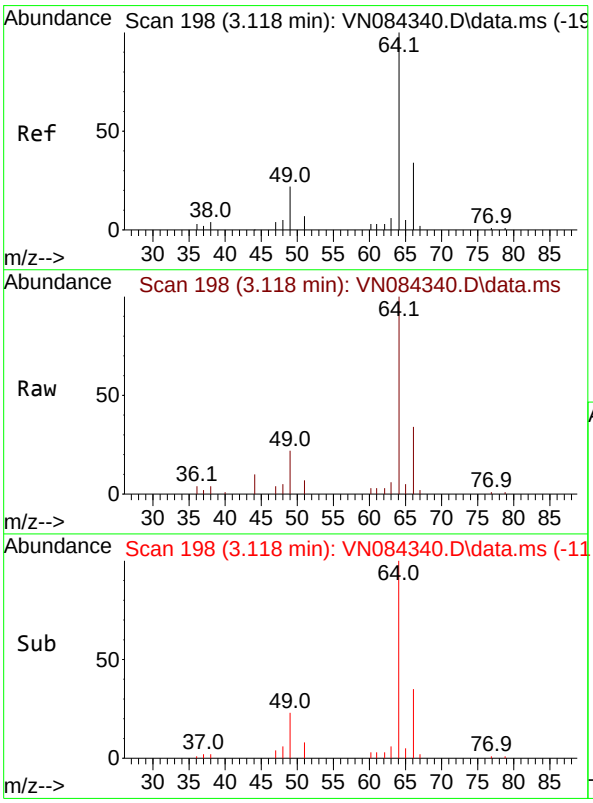
#5
Bromomethane
Concen: 20.938 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 94 Resp: 32772

Ion	Ratio	Lower	Upper
94	100		
96	95.9	76.7	115.1

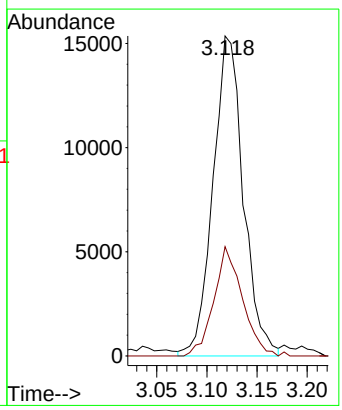


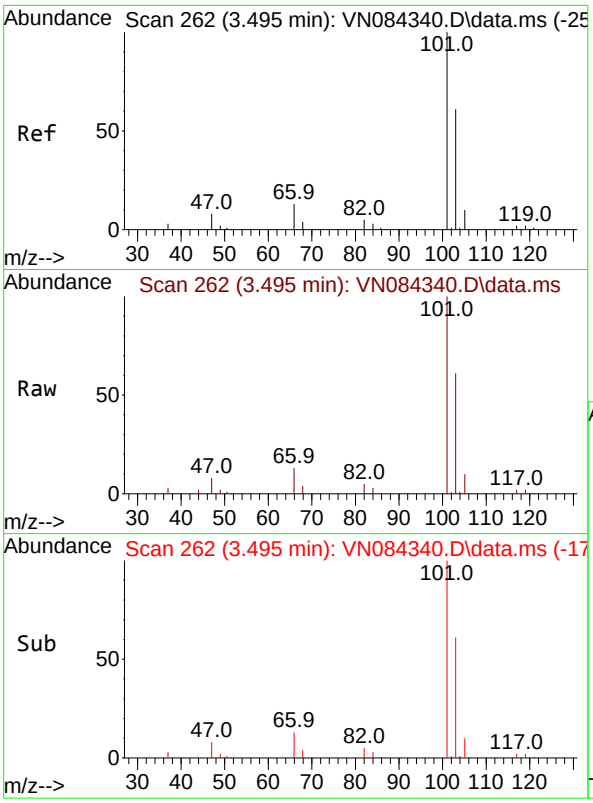


#6
Chloroethane
Concen: 20.839 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 64 Resp: 32274

Ion	Ratio	Lower	Upper
64	100		
66	34.6	27.7	41.5



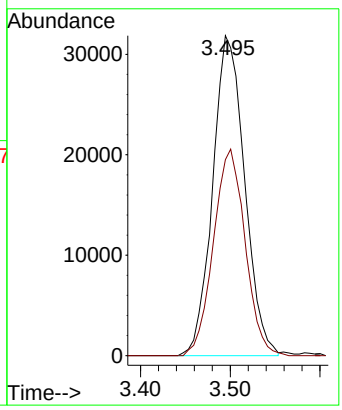


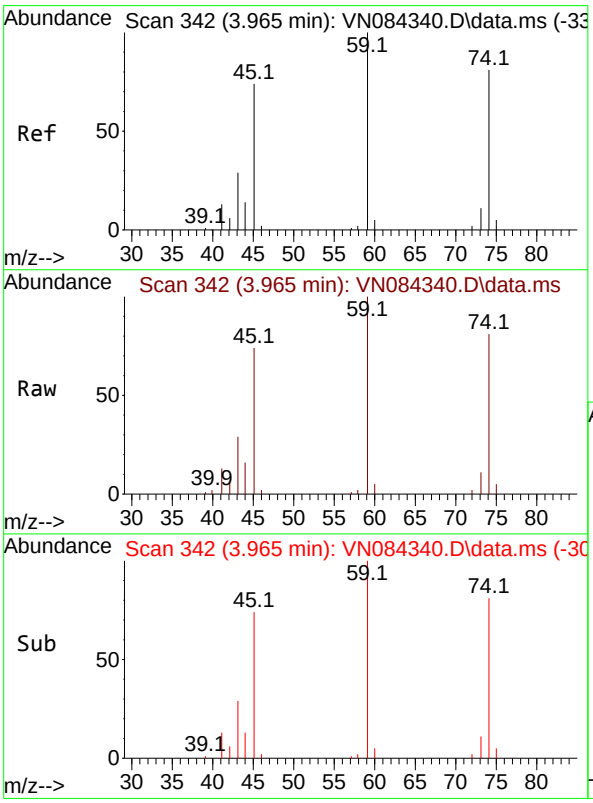
#7
Trichlorofluoromethane
Concen: 20.444 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 78670

Ion	Ratio	Lower	Upper
101	100		
103	61.3	49.0	73.6

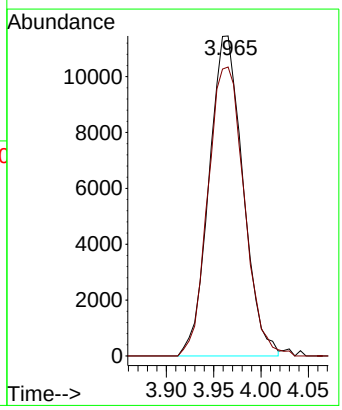


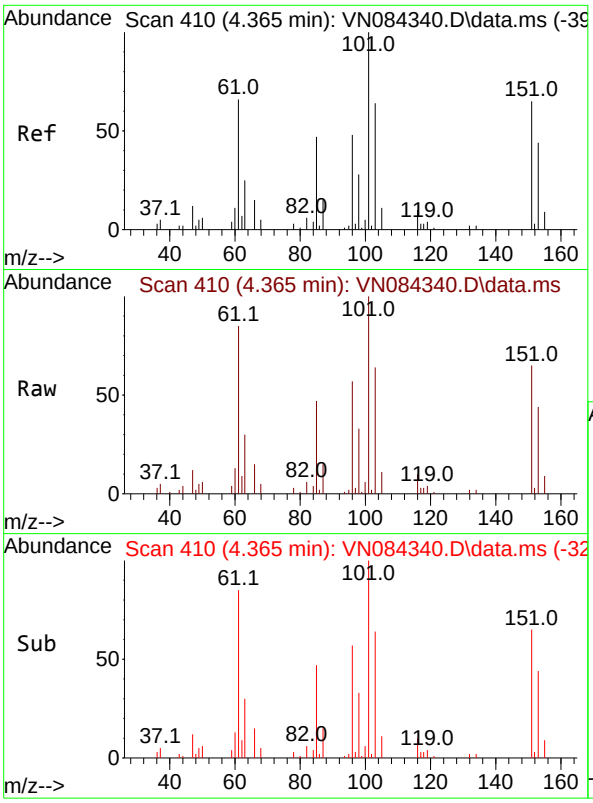


#8
Diethyl Ether
Concen: 20.127 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 74 Resp: 28475

Ion	Ratio	Lower	Upper
74	100		
45	96.2	19.2	173.2



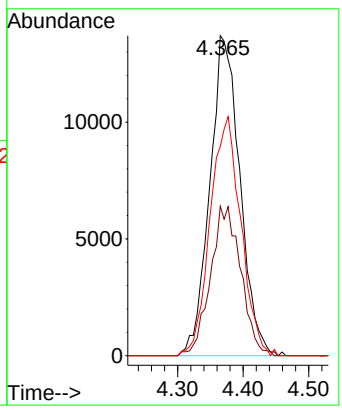


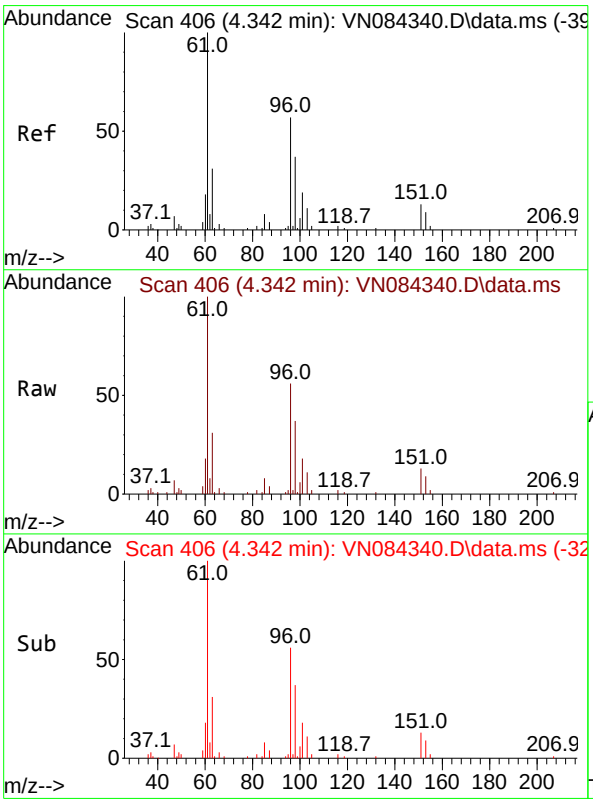
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.202 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 43710

Ion	Ratio	Lower	Upper
101	100		
85	46.8	0.0	93.6
151	75.9	0.0	151.8

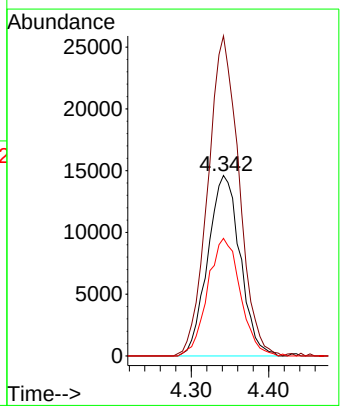


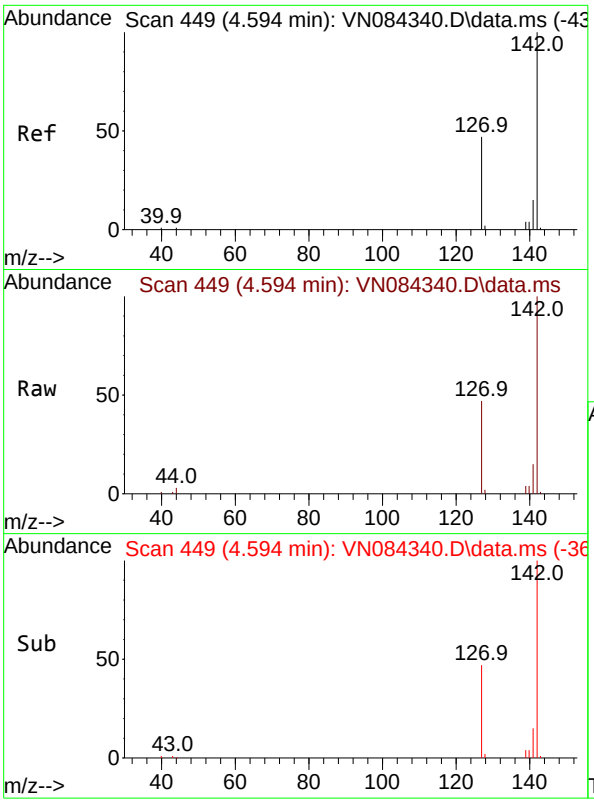


#10
1,1-Dichloroethene
Concen: 19.633 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 96 Resp: 42386

Ion	Ratio	Lower	Upper
96	100		
61	176.0	140.8	211.2
98	65.2	52.2	78.2



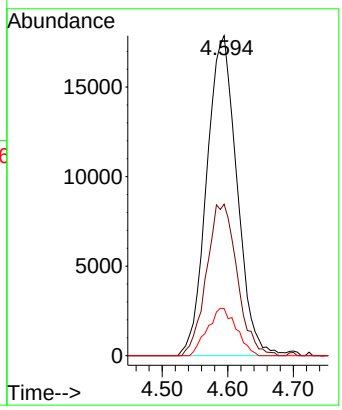


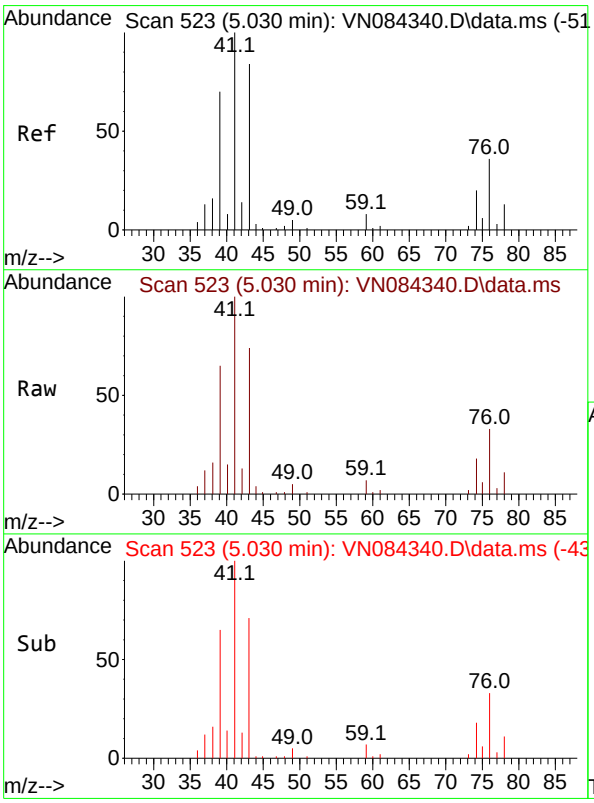
#11
Methyl Iodide
Concen: 20.119 ug/l
RT: 4.594 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:142 Resp: 57080

Ion	Ratio	Lower	Upper
142	100		
127	47.6	23.8	71.4
141	14.8	7.4	22.2

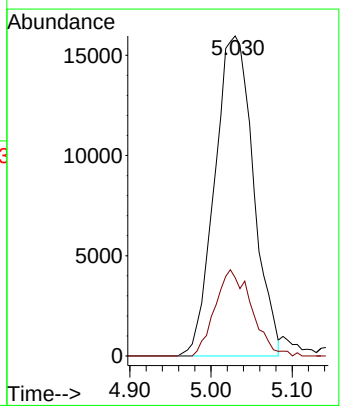


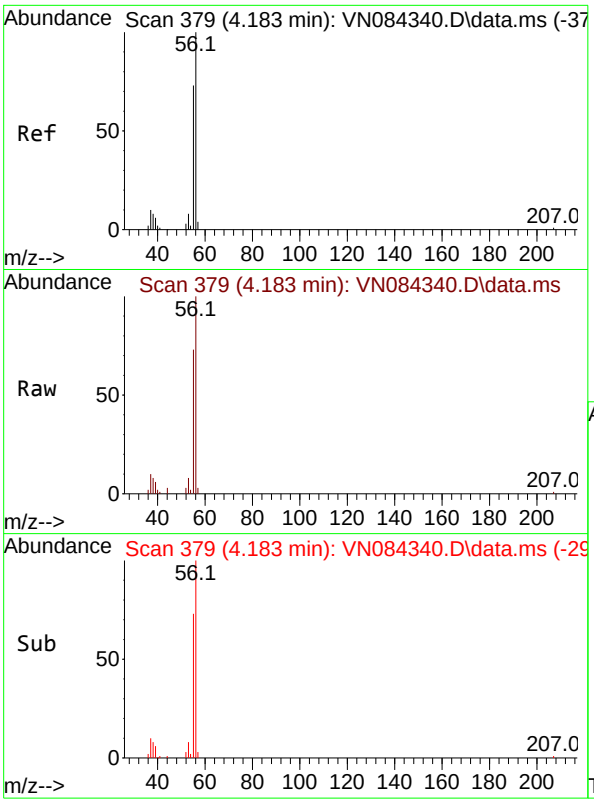


#12
Methyl Acetate
Concen: 19.561 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 52868

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2



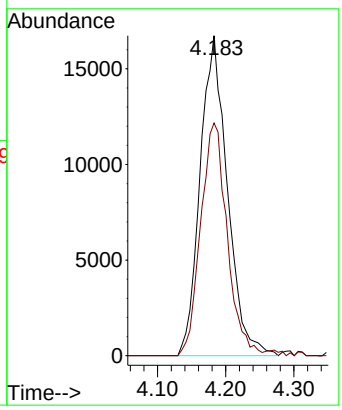


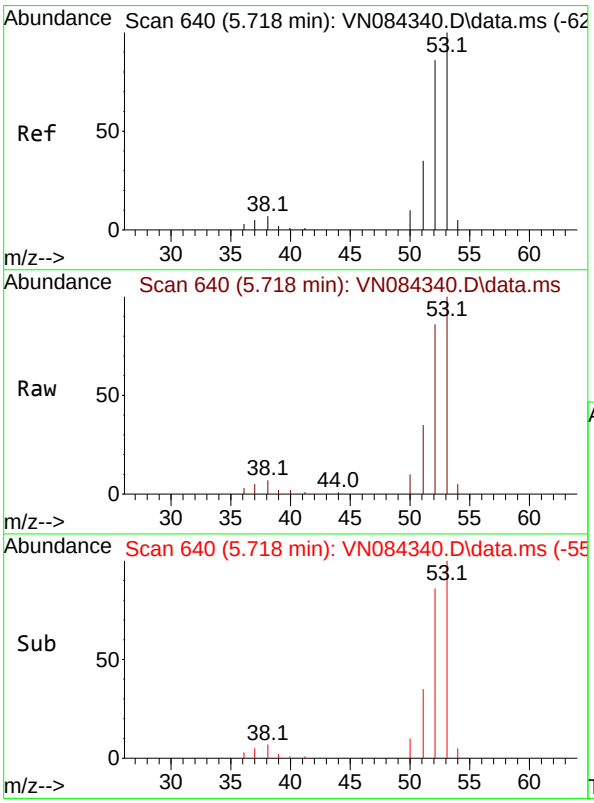
#13
Acrolein
Concen: 92.647 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 56 Resp: 46516

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.4	84.6

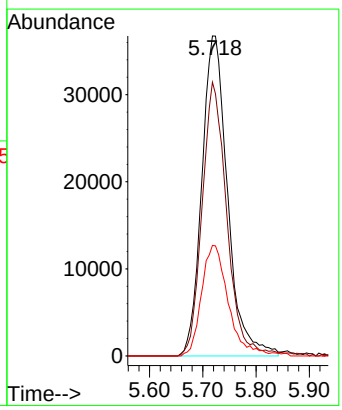


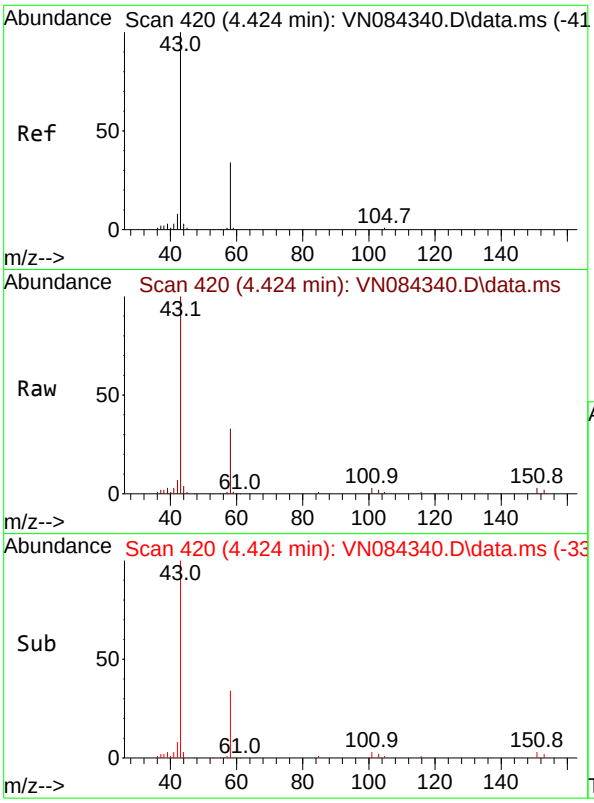


#14
Acrylonitrile
Concen: 101.793 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 53 Resp: 123604

Ion	Ratio	Lower	Upper
53	100		
52	80.8	40.4	121.2
51	35.6	17.8	53.4



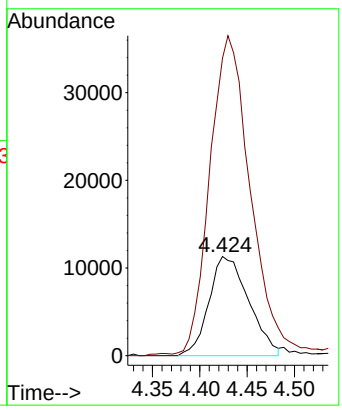


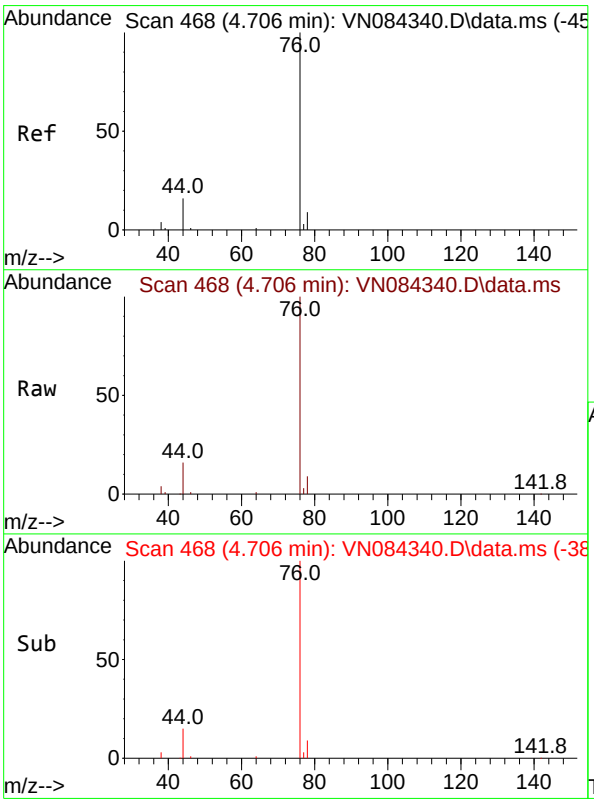
#15
Acetone
Concen: 95.376 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 58 Resp: 33083

Ion	Ratio	Lower	Upper
58	100		
43	296.9	237.5	356.3

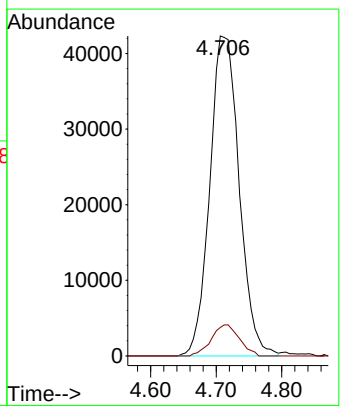


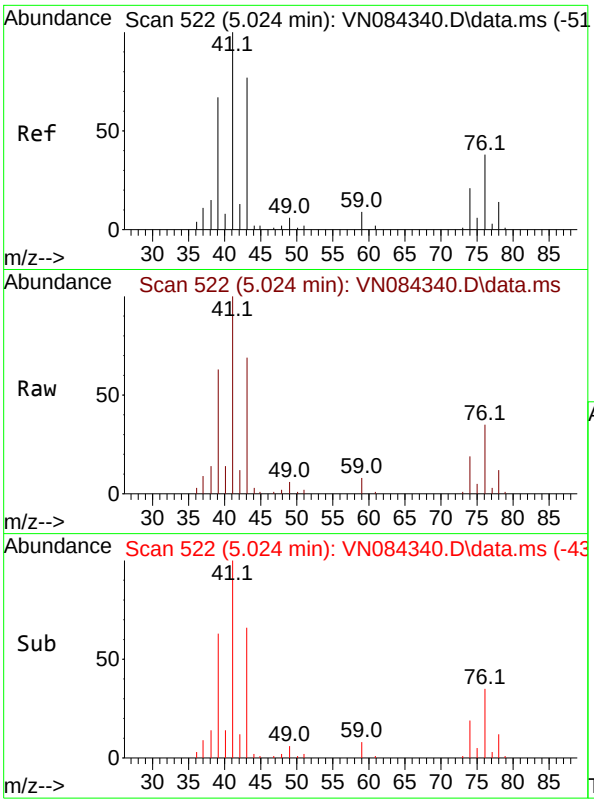


#16
Carbon Disulfide
Concen: 20.510 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 76 Resp: 131855

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



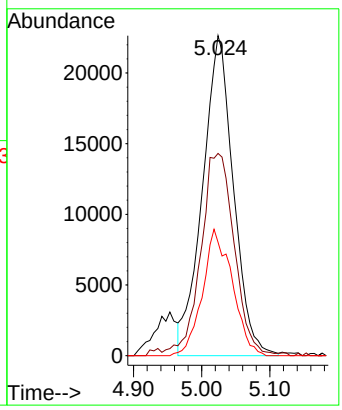


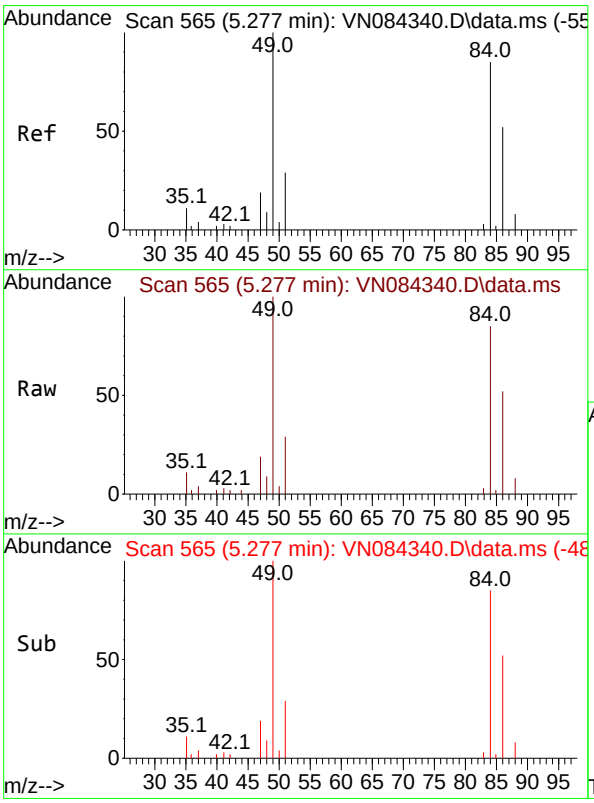
#17
Allyl chloride
Concen: 20.416 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 41 Resp: 71450

Ion	Ratio	Lower	Upper
41	100		
39	62.9	31.4	94.3
76	35.7	17.8	53.5

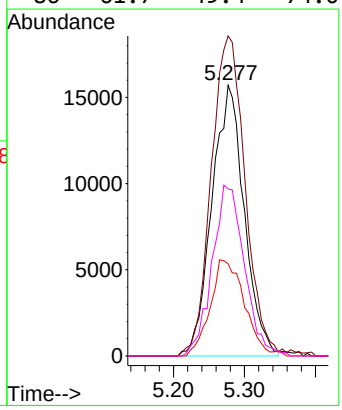


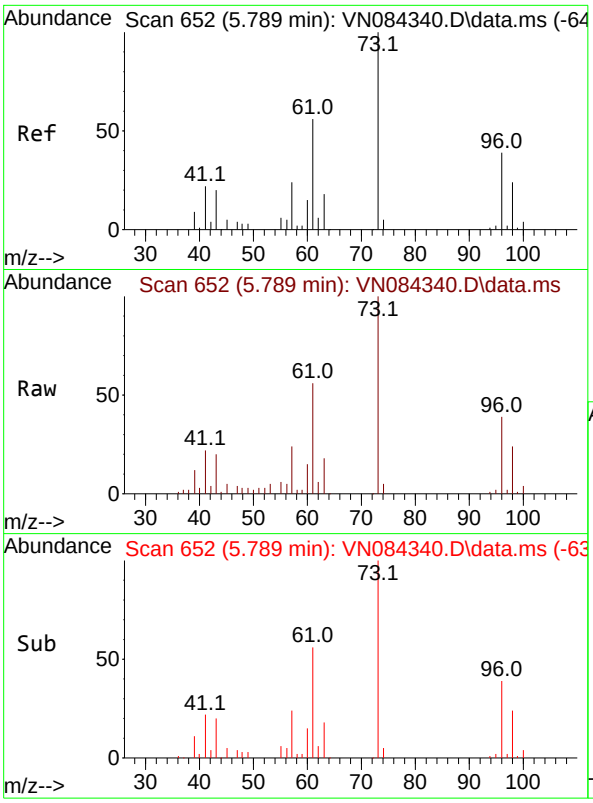


#18
Methylene Chloride
Concen: 20.406 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 84 Resp: 49627

Ion	Ratio	Lower	Upper
84	100		
49	118.3	94.6	142.0
51	34.1	27.3	40.9
86	61.7	49.4	74.0



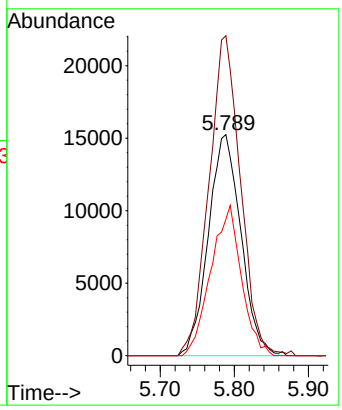


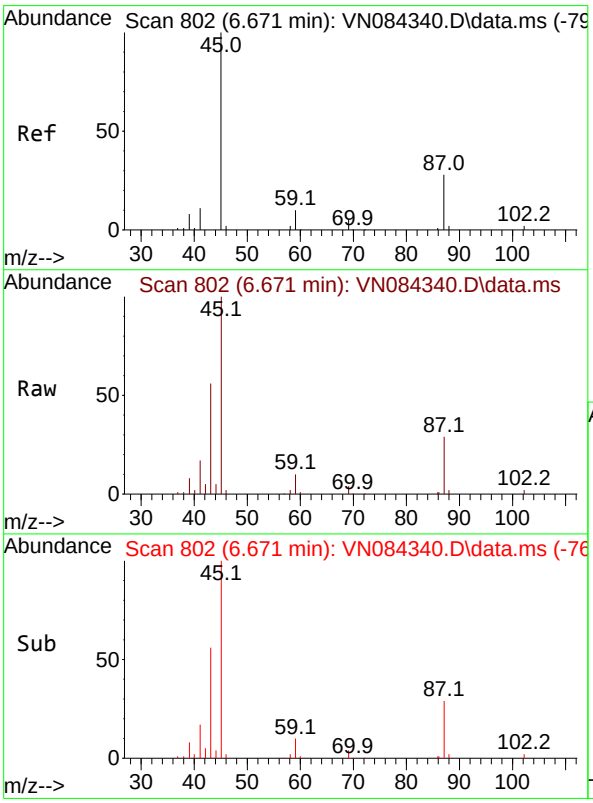
#19
trans-1,2-Dichloroethene
Concen: 20.351 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 46499

Ion	Ratio	Lower	Upper
96	100		
61	144.7	115.8	173.6
98	61.7	49.4	74.0

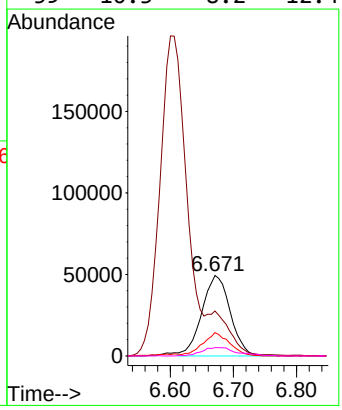


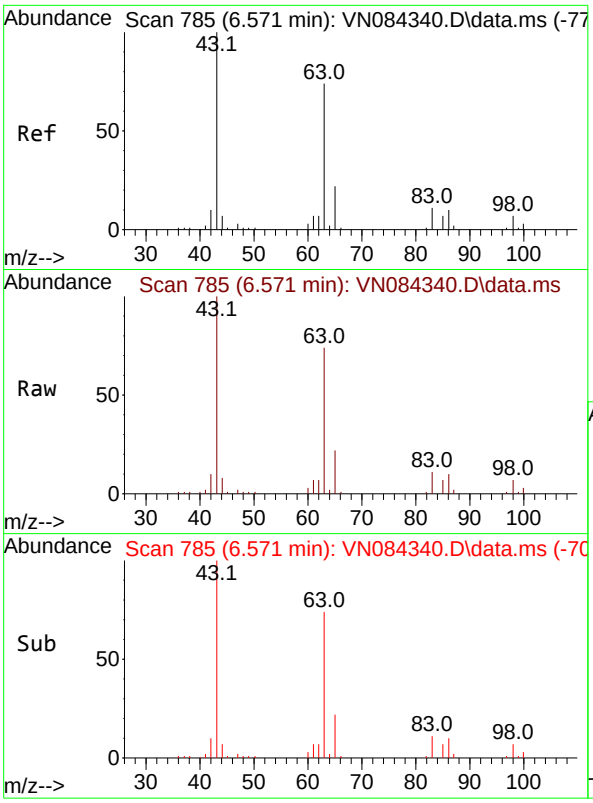


#20
Diisopropyl ether
Concen: 20.444 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 45 Resp: 153833

Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.7	65.5
87	28.9	23.1	34.7
59	10.3	8.2	12.4



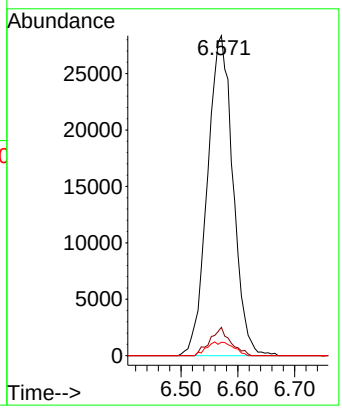


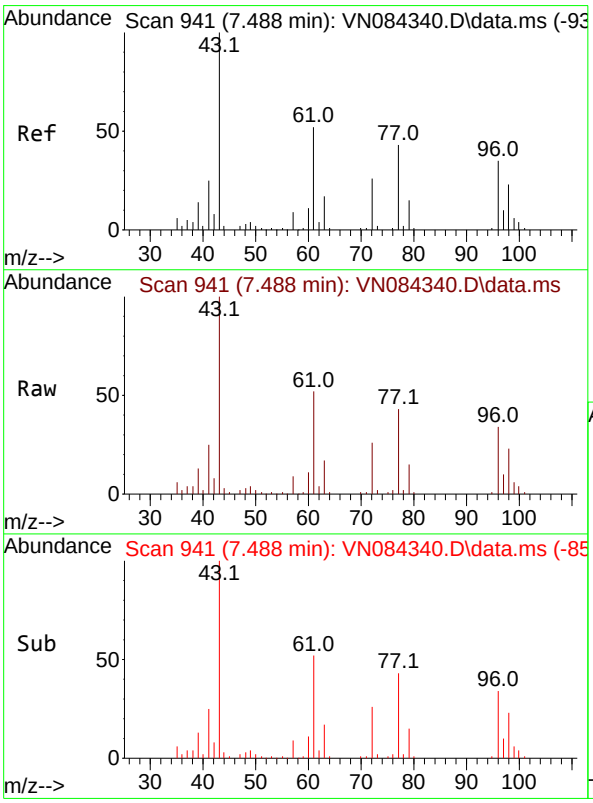
#21
1,1-Dichloroethane
Concen: 20.541 ug/l
RT: 6.571 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 88689

Ion	Ratio	Lower	Upper
63	100		
98	8.9	4.5	13.4
100	4.2	2.1	6.3

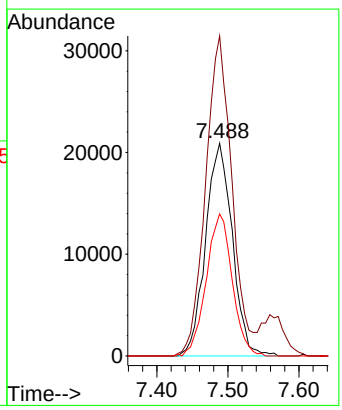


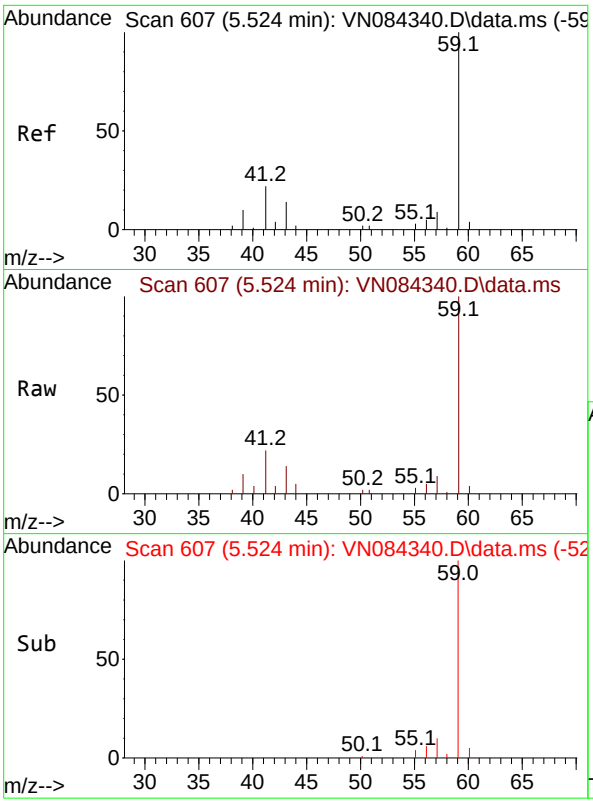


#22
cis-1,2-Dichloroethene
Concen: 20.549 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 96 Resp: 54636

Ion	Ratio	Lower	Upper
96	100		
61	147.5	118.0	177.0
98	64.8	51.8	77.8



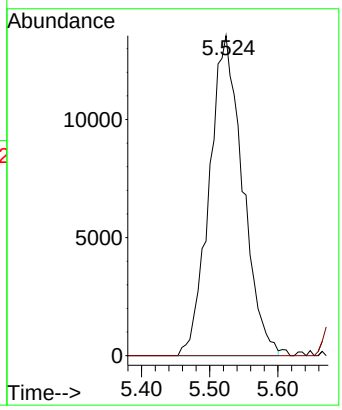


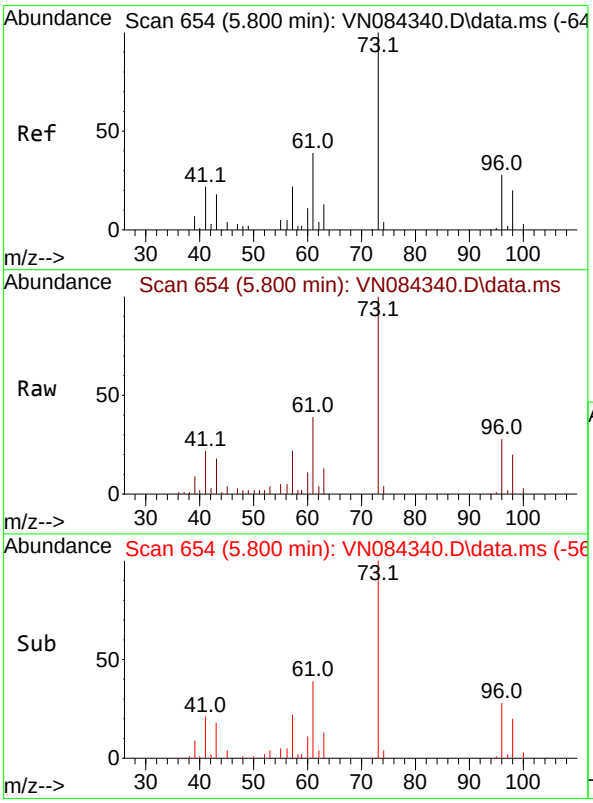
#23
tert-Butyl Alcohol
Concen: 99.059 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 59 Resp: 46138

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

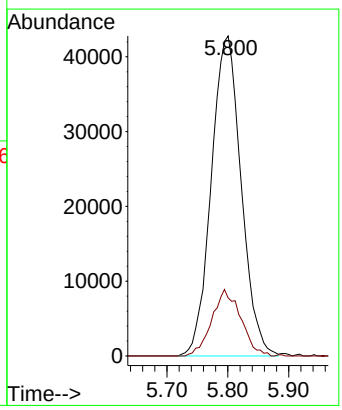


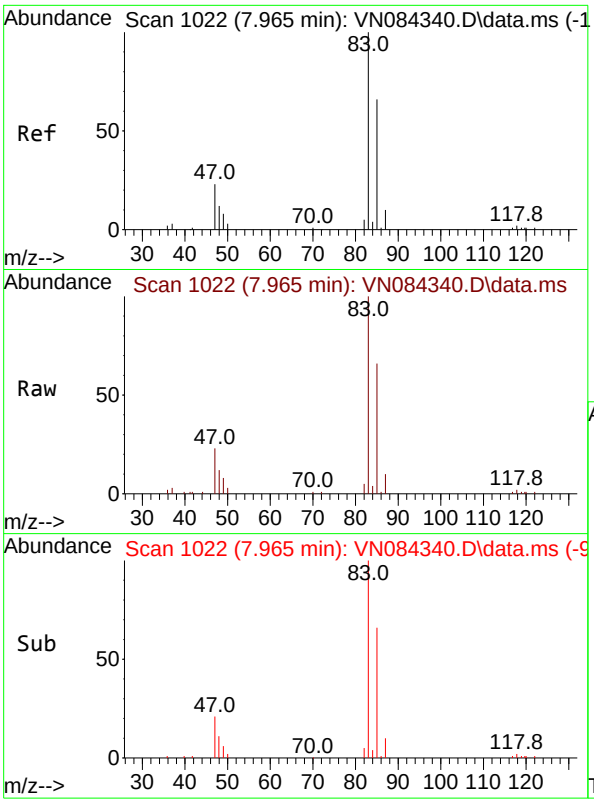


#24
Methyl tert-Butyl Ether
Concen: 20.224 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 73 Resp: 145915

Ion	Ratio	Lower	Upper
73	100		
43	13.6	10.9	16.3



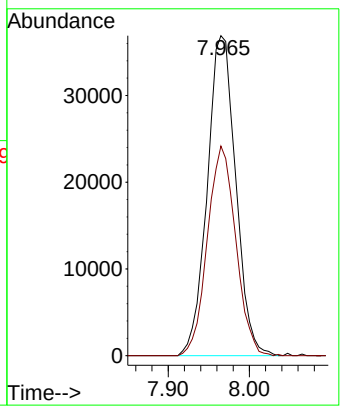


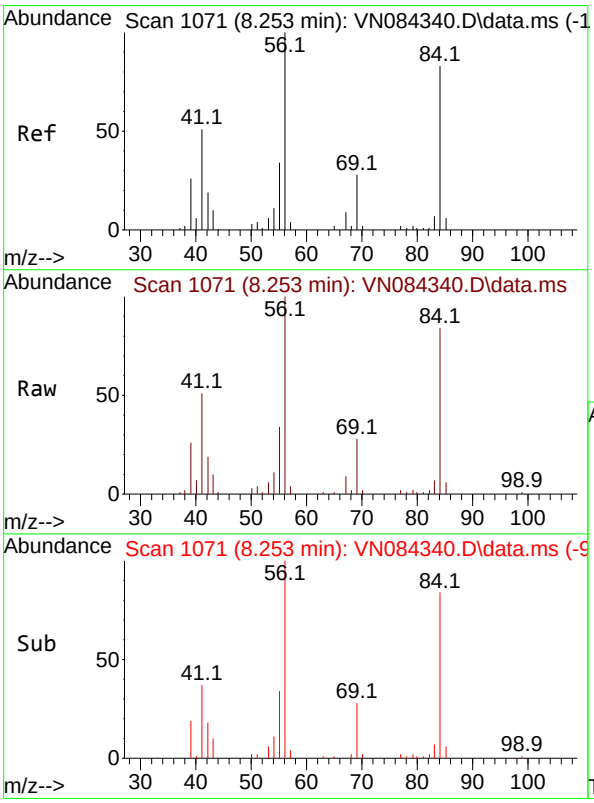
#25
Chloroform
Concen: 20.622 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 90176

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6

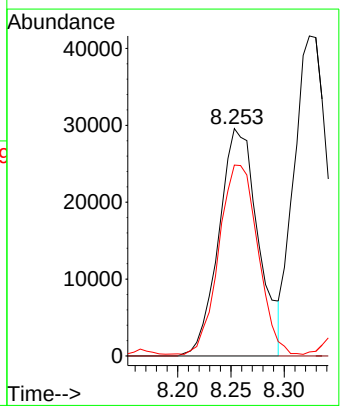


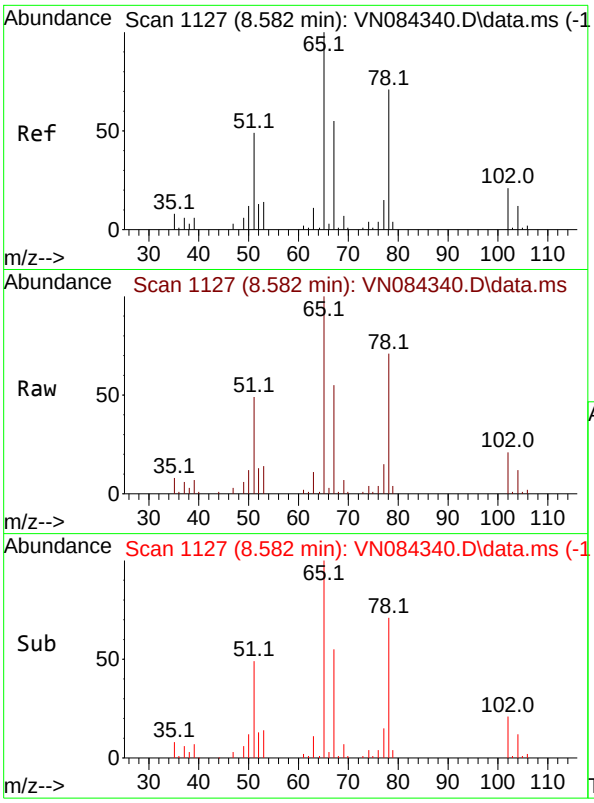


#26
Cyclohexane
Concen: 21.064 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 56 Resp: 76065

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	83.8	67.0	100.6



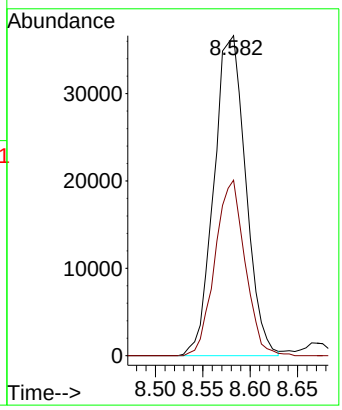


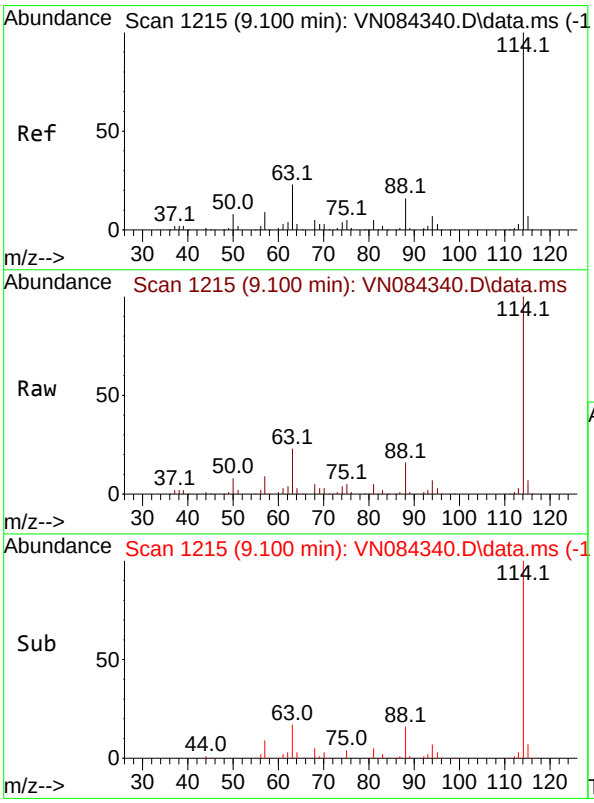
#27
1,2-Dichloroethane-d4
Concen: 30.638 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 65 Resp: 85525

Ion	Ratio	Lower	Upper
65	100		
67	51.9	41.5	62.3

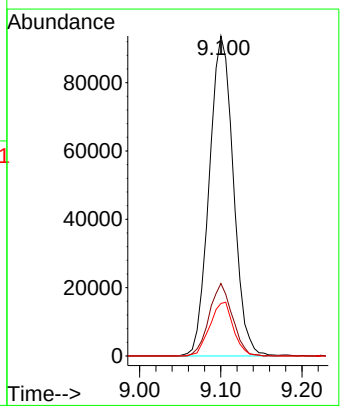


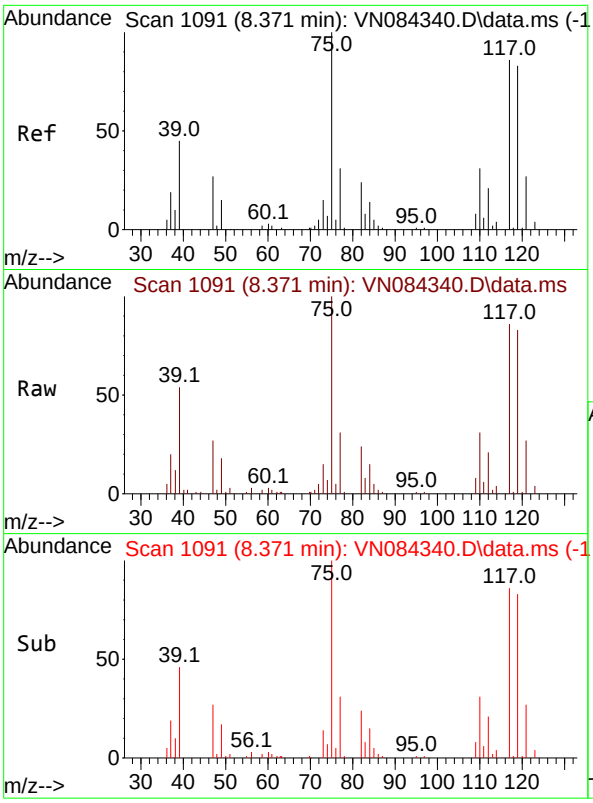


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:114 Resp: 193364

Ion	Ratio	Lower	Upper
114	100		
63	21.7	17.4	26.0
88	16.5	13.2	19.8



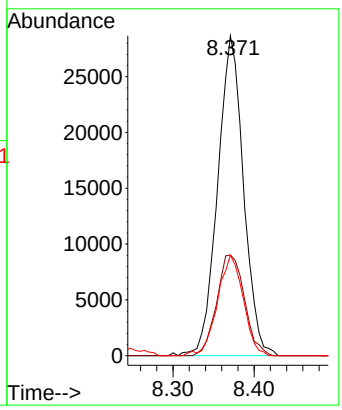


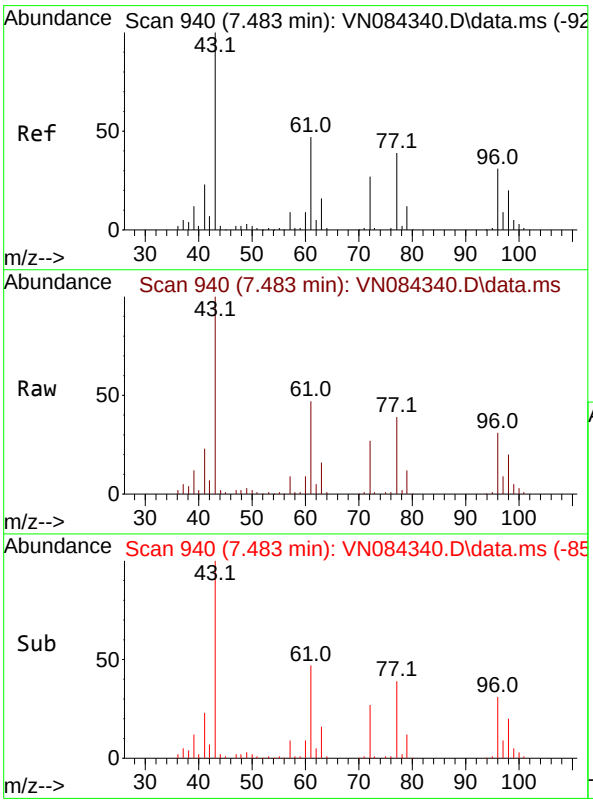
#29
1,1-Dichloropropene
Concen: 20.003 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 63494

Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	67.6
77	30.7	0.0	61.4

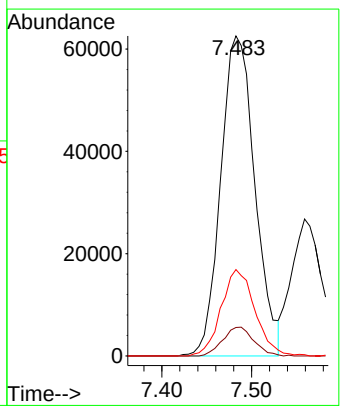


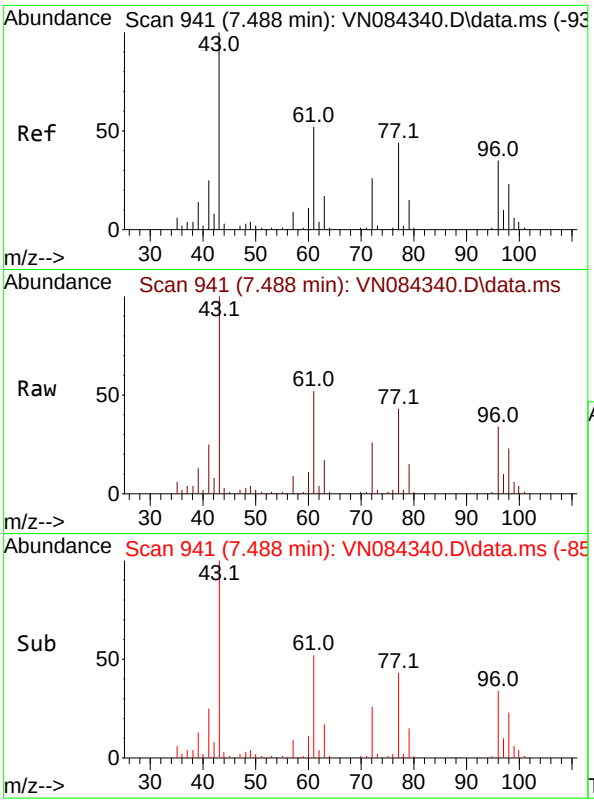


#30
2-Butanone
Concen: 98.088 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 165771

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	26.6	21.3	31.9



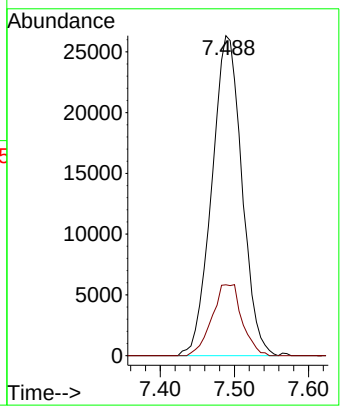


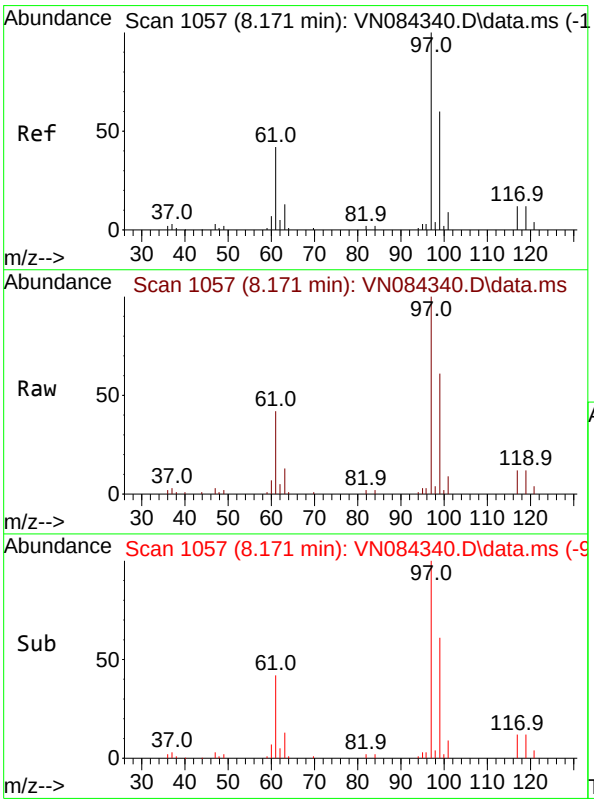
#31
2,2-Dichloropropane
Concen: 19.908 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 74258

Ion	Ratio	Lower	Upper
77	100		
97	14.4	11.5	17.3

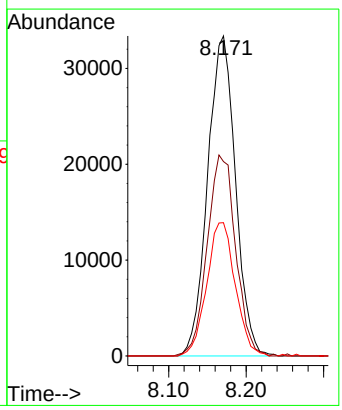


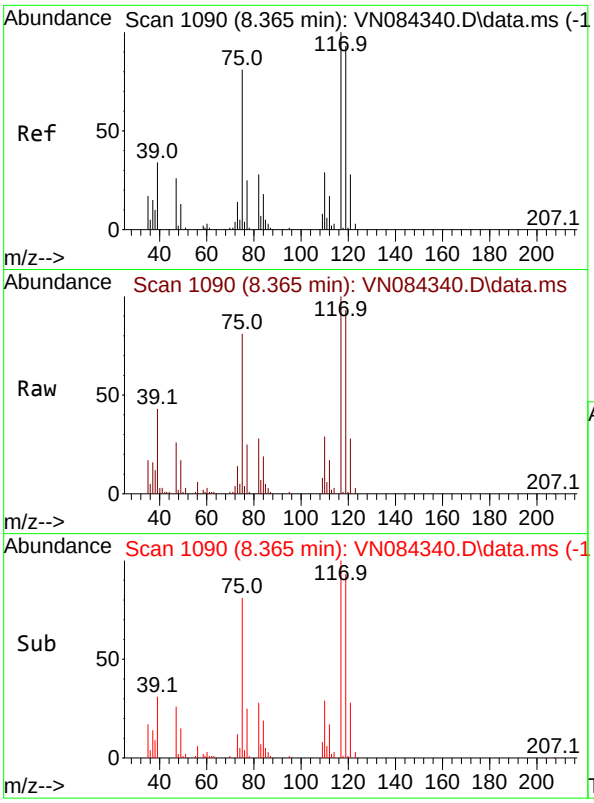


#32
1,1,1-Trichloroethane
Concen: 20.585 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 97 Resp: 83522

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	42.6	34.1	51.1



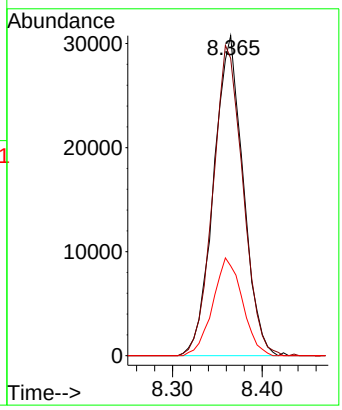


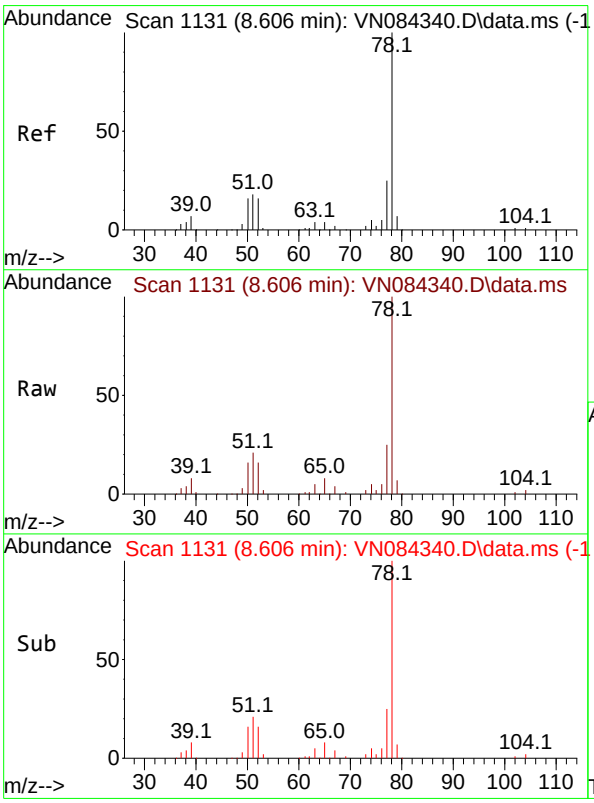
#33
Carbon Tetrachloride
Concen: 19.964 ug/l
RT: 8.365 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 70174

Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.3	111.5
121	28.0	22.4	33.6

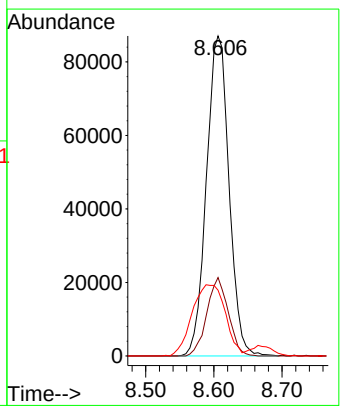


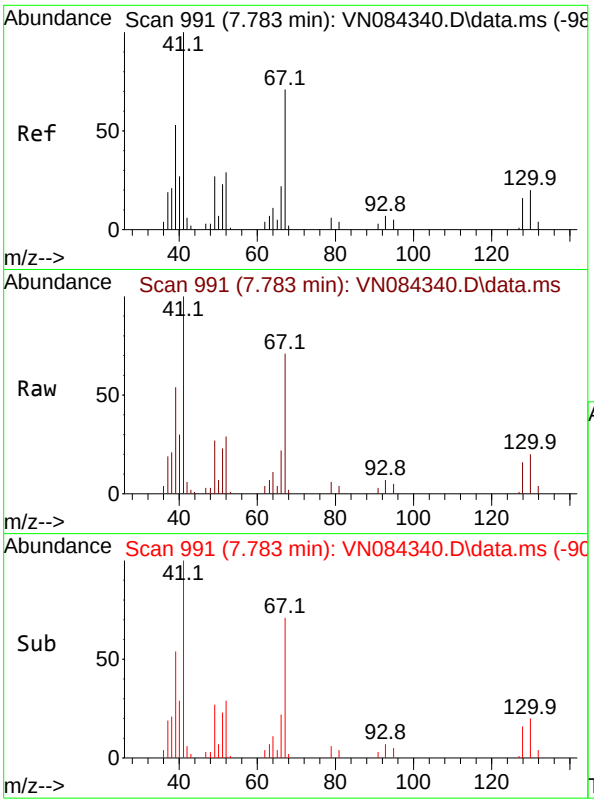


#34
Benzene
Concen: 20.202 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 78 Resp: 200730

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4
51	19.7	15.8	23.6



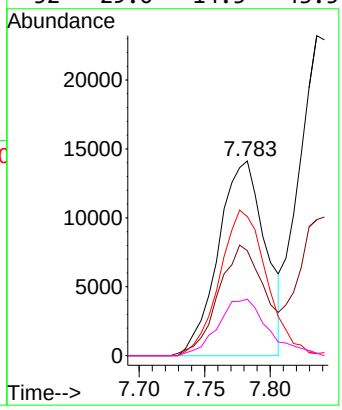


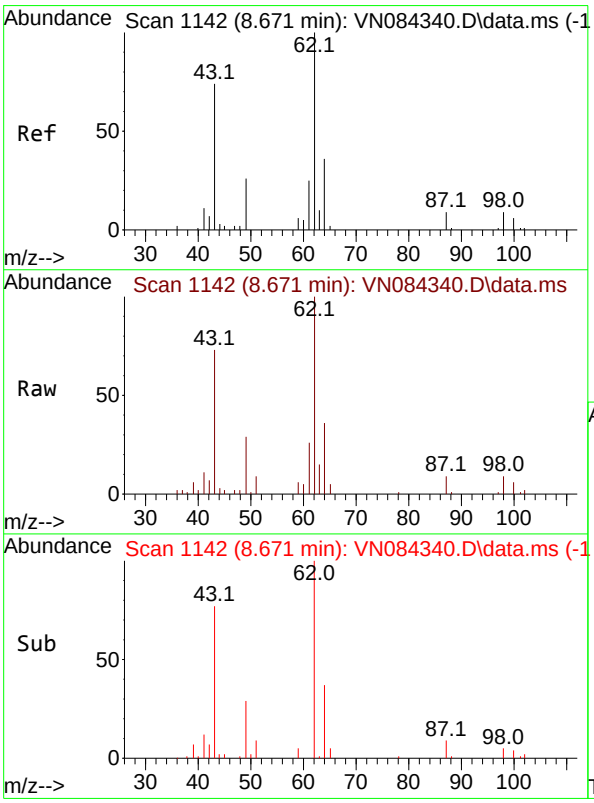
#35
Methacrylonitrile
Concen: 19.549 ug/l
RT: 7.783 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 41 Resp: 35246

Ion	Ratio	Lower	Upper
41	100		
39	52.7	26.4	79.0
67	71.4	35.7	107.1
52	29.0	14.5	43.5

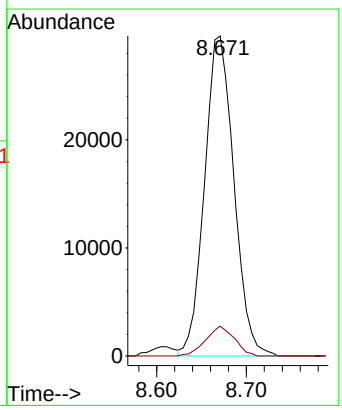


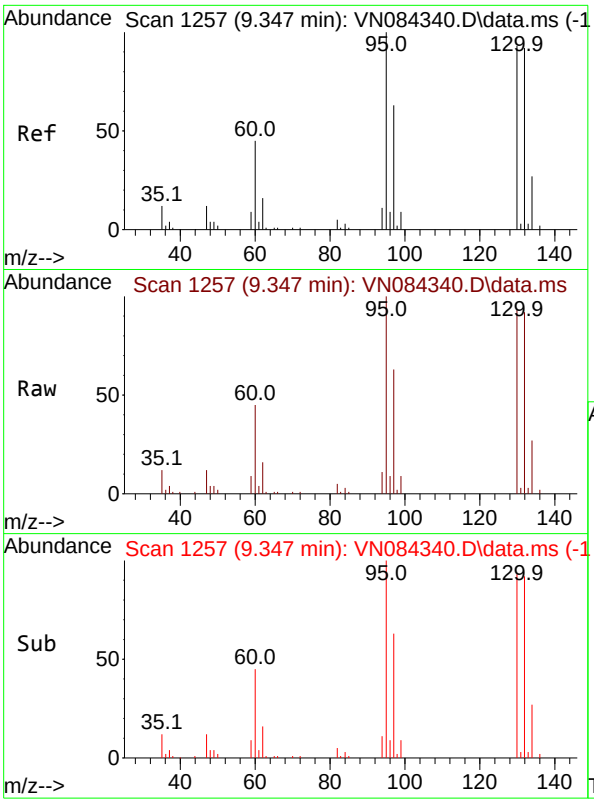


#36
1,2-Dichloroethane
Concen: 20.311 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 62 Resp: 67270

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9



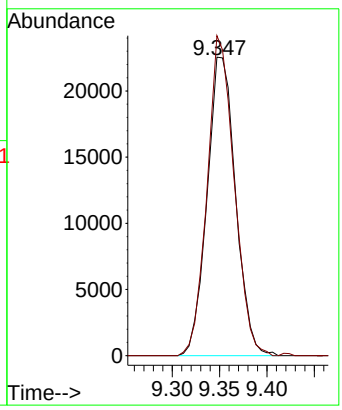


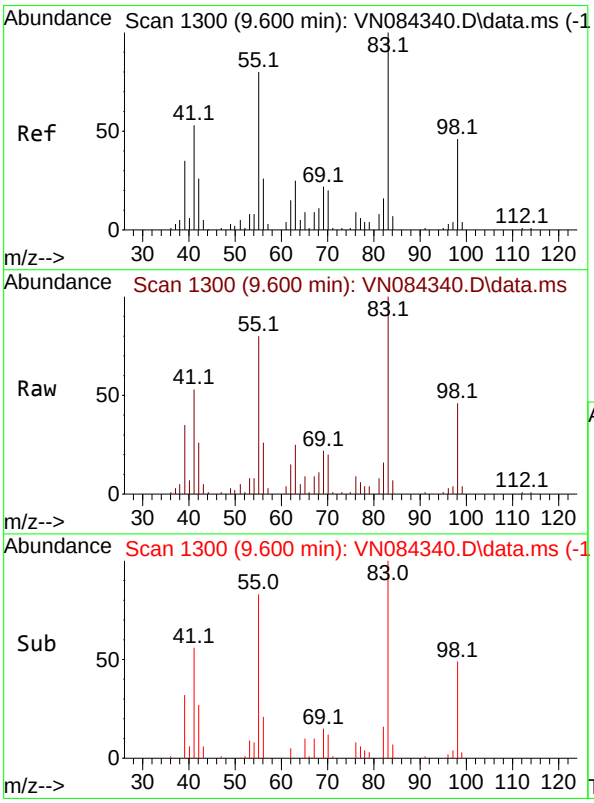
#37
Trichloroethene
Concen: 20.604 ug/l
RT: 9.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:130 Resp: 47143

Ion	Ratio	Lower	Upper
130	100		
95	107.2	85.8	128.6

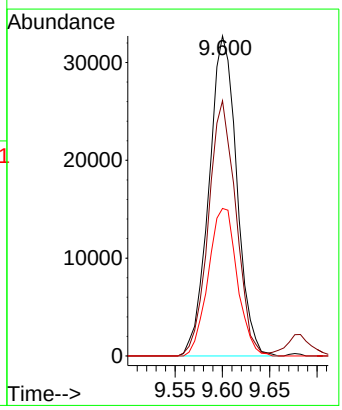


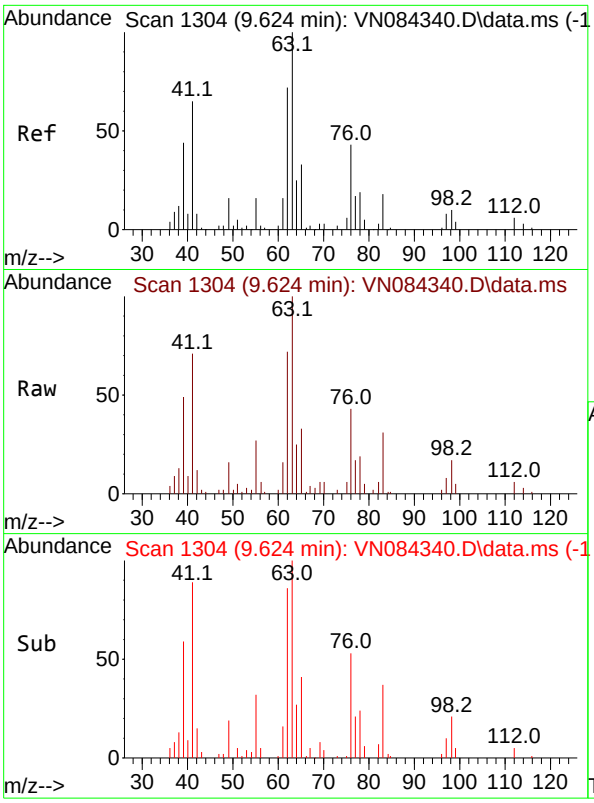


#38
Methylcyclohexane
Concen: 19.189 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 83 Resp: 66905

Ion	Ratio	Lower	Upper
83	100		
55	78.5	39.3	117.8
98	48.0	24.0	72.0



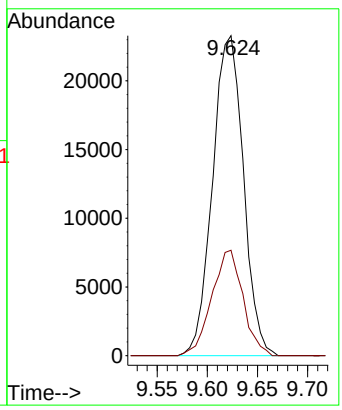


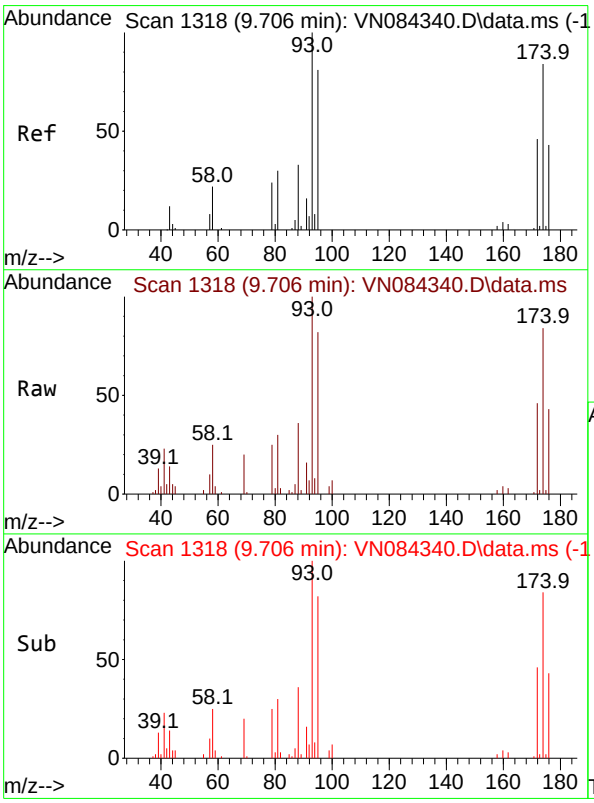
#39
1,2-Dichloropropane
Concen: 20.547 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 49785

Ion	Ratio	Lower	Upper
63	100		
65	32.9	26.3	39.5

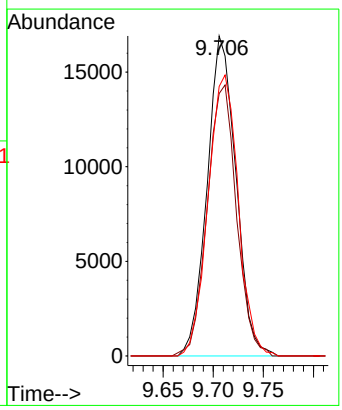


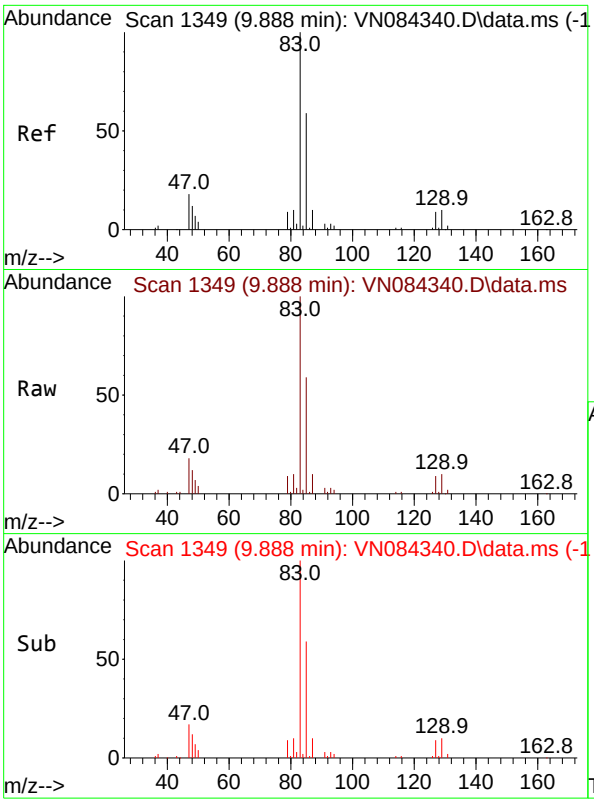


#40
Dibromomethane
Concen: 20.007 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 93 Resp: 33881

Ion	Ratio	Lower	Upper
93	100		
95	85.7	0.0	171.4
174	91.5	0.0	183.0



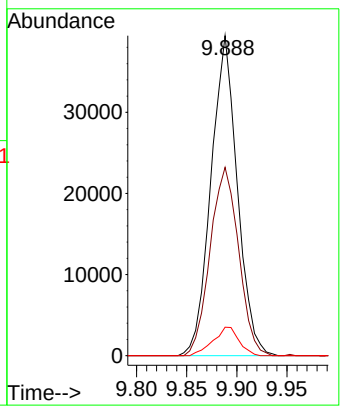


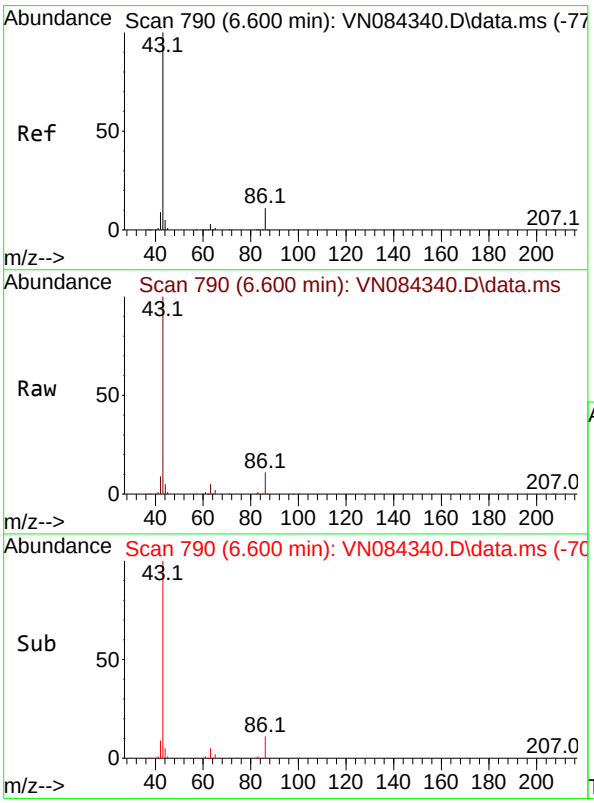
#41
Bromodichloromethane
Concen: 20.057 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 72106

Ion	Ratio	Lower	Upper
83	100		
85	58.9	47.1	70.7
127	8.9	7.1	10.7

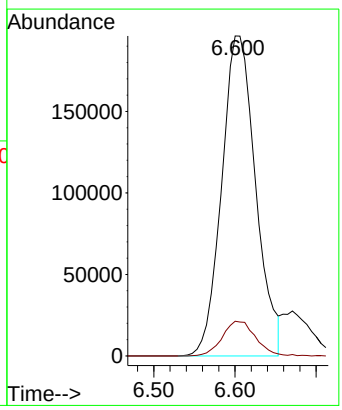


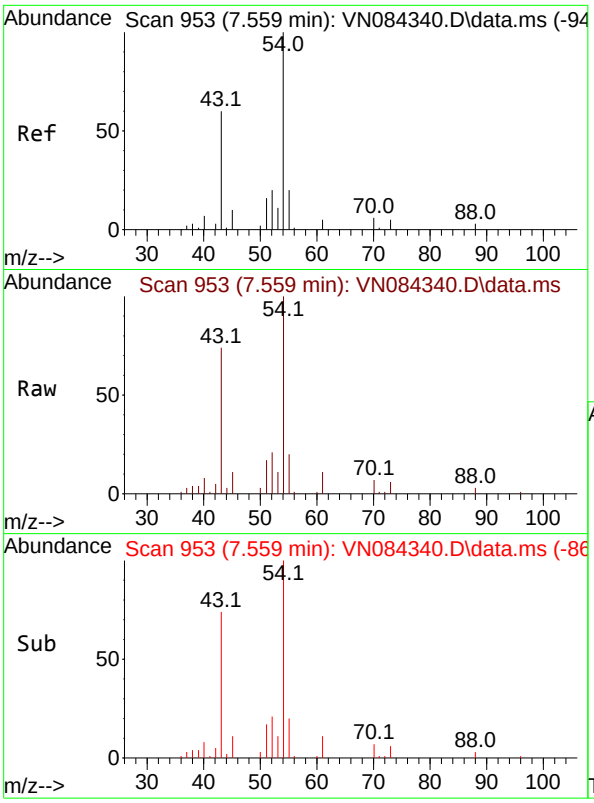


#42
Vinyl Acetate
Concen: 97.351 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 572205

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7



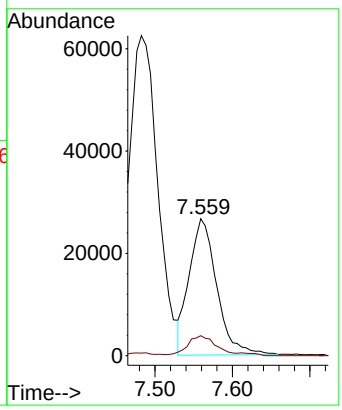


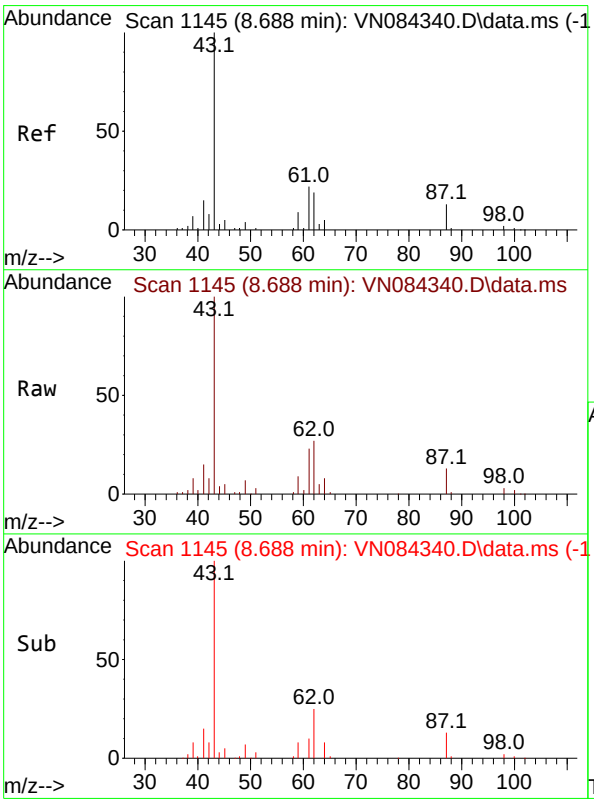
#43
Ethyl Acetate
Concen: 19.692 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 65636

Ion	Ratio	Lower	Upper
43	100		
45	13.3	10.6	16.0

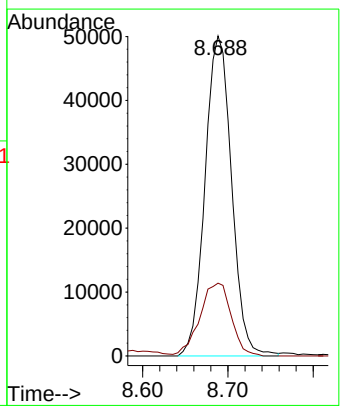


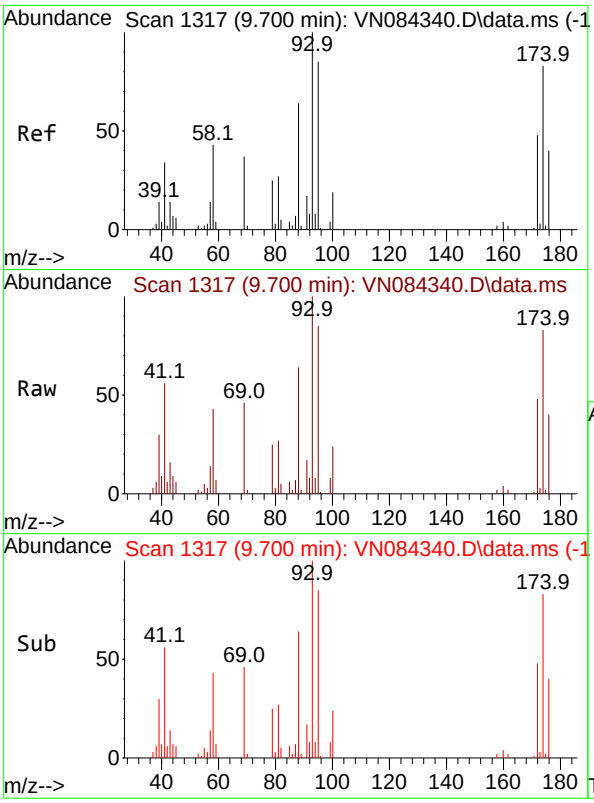


#44
Isopropyl Acetate
Concen: 19.860 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 108346

Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2



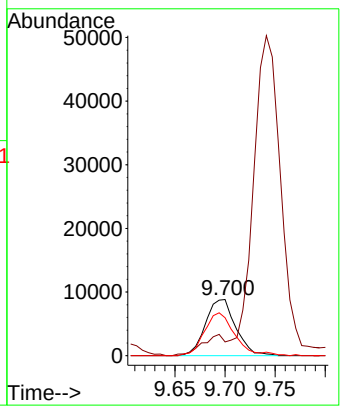


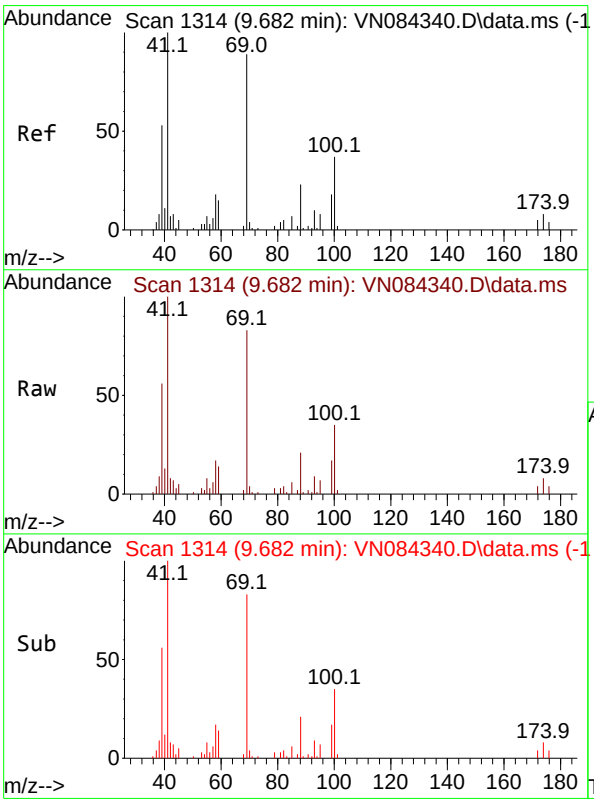
#45
1,4-Dioxane
Concen: 376.387 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 88 Resp: 18510

Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.4	33.6
58	74.6	59.7	89.5

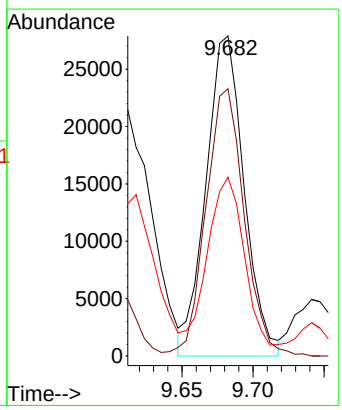


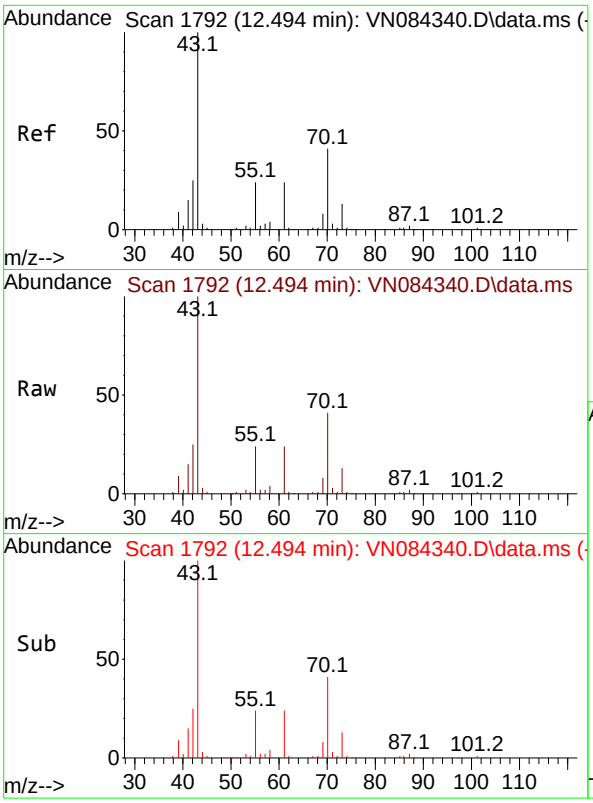


#46
Methyl methacrylate
Concen: 19.761 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 41 Resp: 52087

Ion	Ratio	Lower	Upper
41	100		
69	85.3	42.6	128.0
39	54.9	27.5	82.4



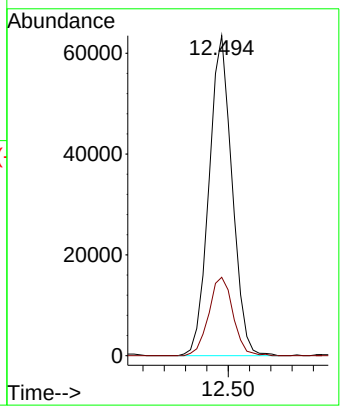


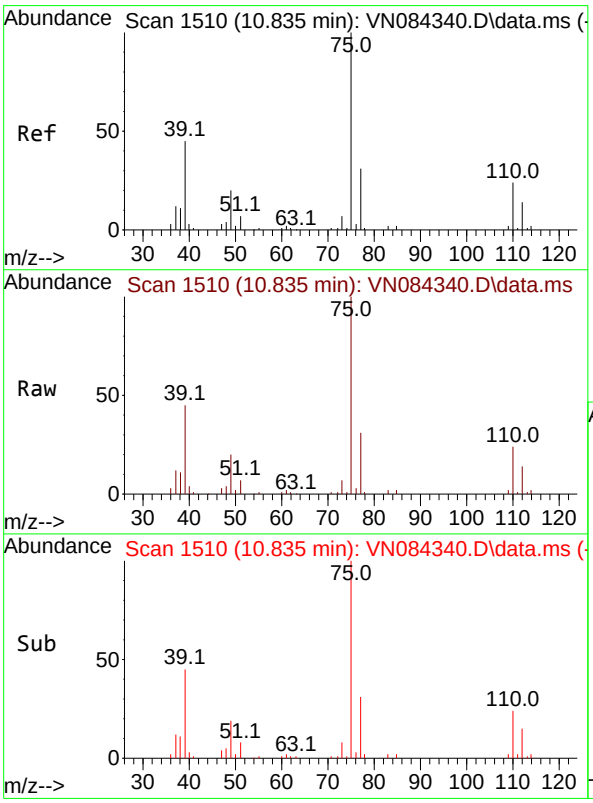
#47
n-amyl Acetate
Concen: 19.654 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 95368

Ion	Ratio	Lower	Upper
43	100		
55	25.8	20.6	31.0

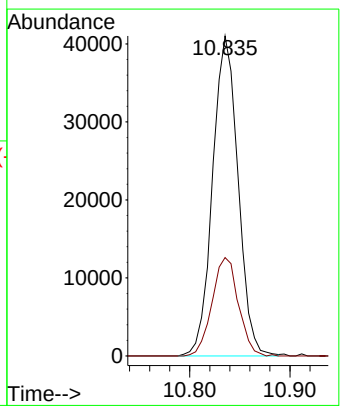


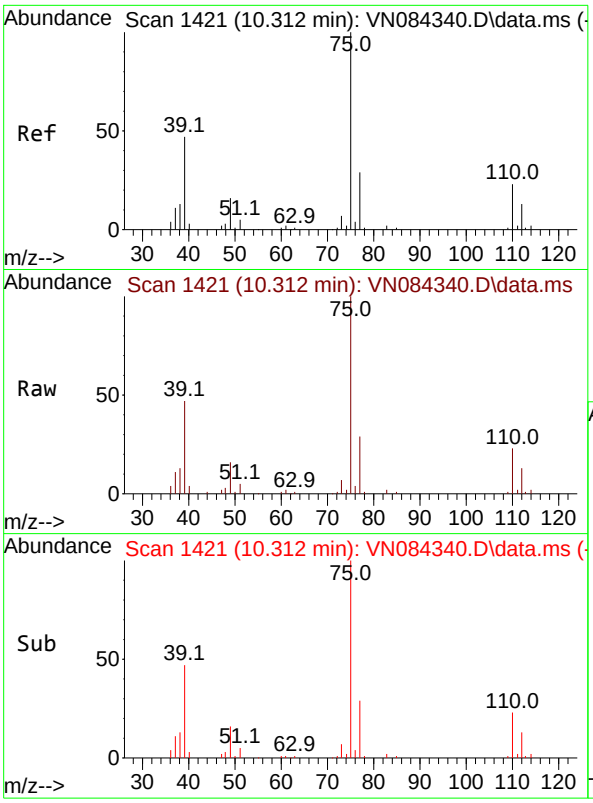


#48
t-1,3-Dichloropropene
Concen: 19.470 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 72331

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0



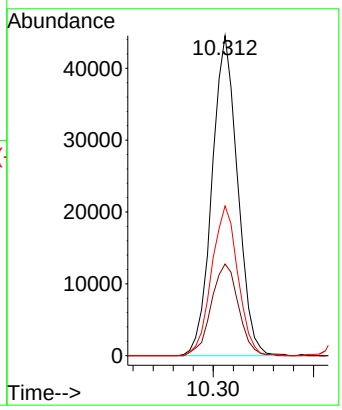


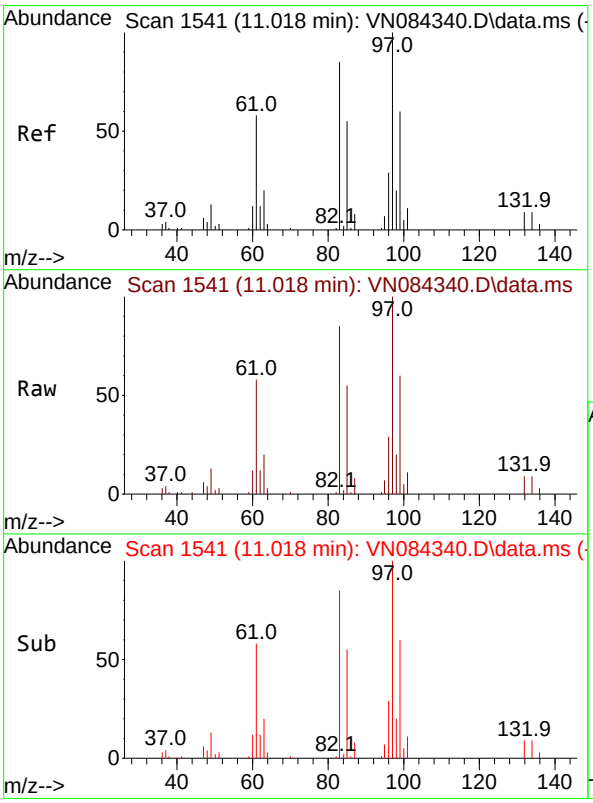
#49
cis-1,3-Dichloropropene
Concen: 20.292 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 79003

Ion	Ratio	Lower	Upper
75	100		
77	28.6	22.9	34.3
39	46.8	37.4	56.2

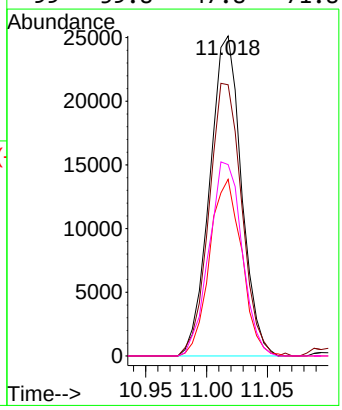


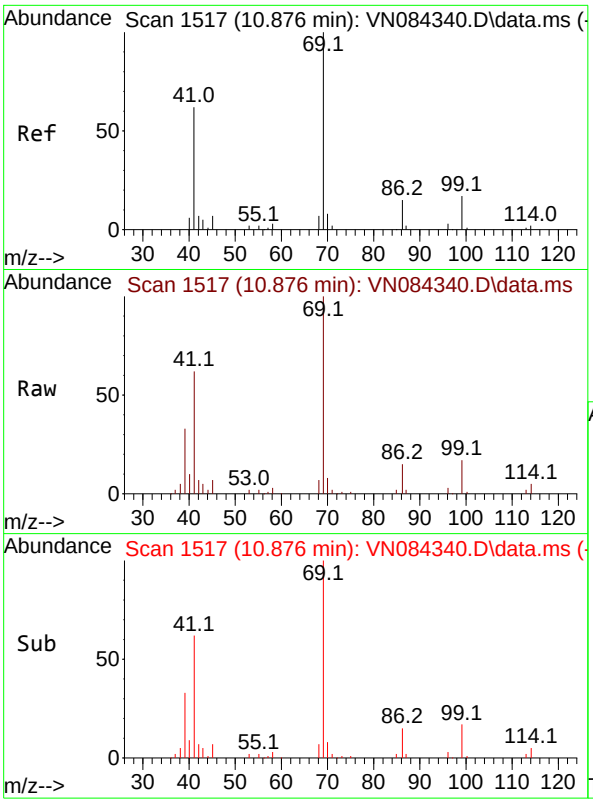


#50
1,1,2-Trichloroethane
Concen: 20.033 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 97 Resp: 45599

Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.8	101.8
85	55.2	44.2	66.2
99	59.8	47.8	71.8



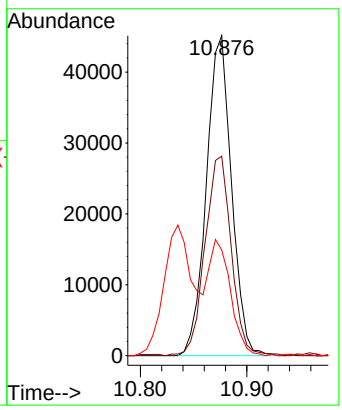


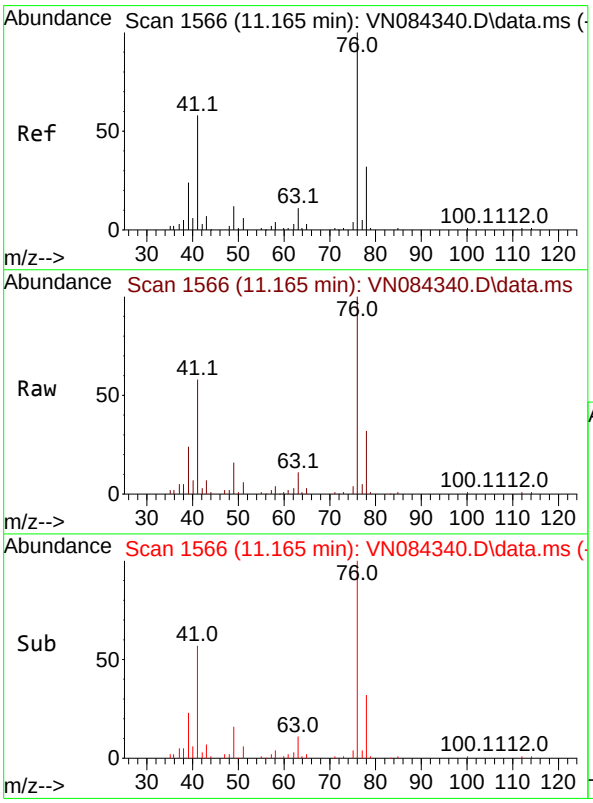
#51
Ethyl methacrylate
Concen: 19.701 ug/l
RT: 10.876 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 74070

Ion	Ratio	Lower	Upper
69	100		
41	61.8	30.9	92.7
39	33.1	16.6	49.7

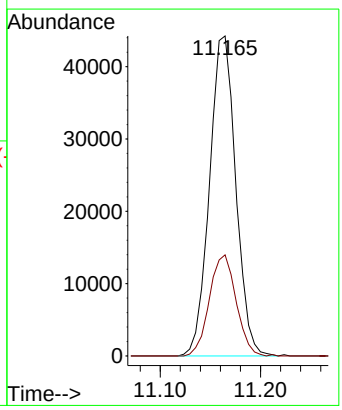


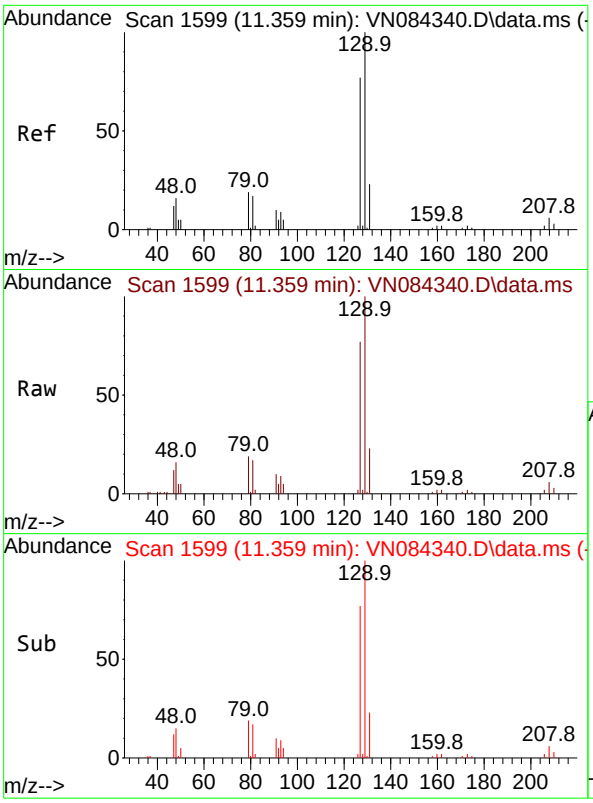


#52
1,3-Dichloropropane
Concen: 20.257 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 76 Resp: 80622

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2



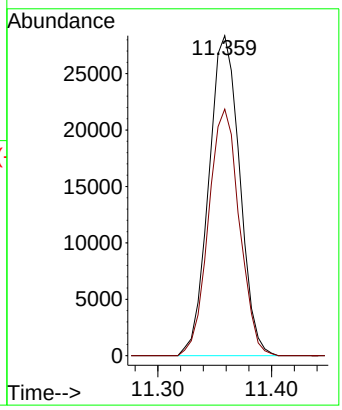


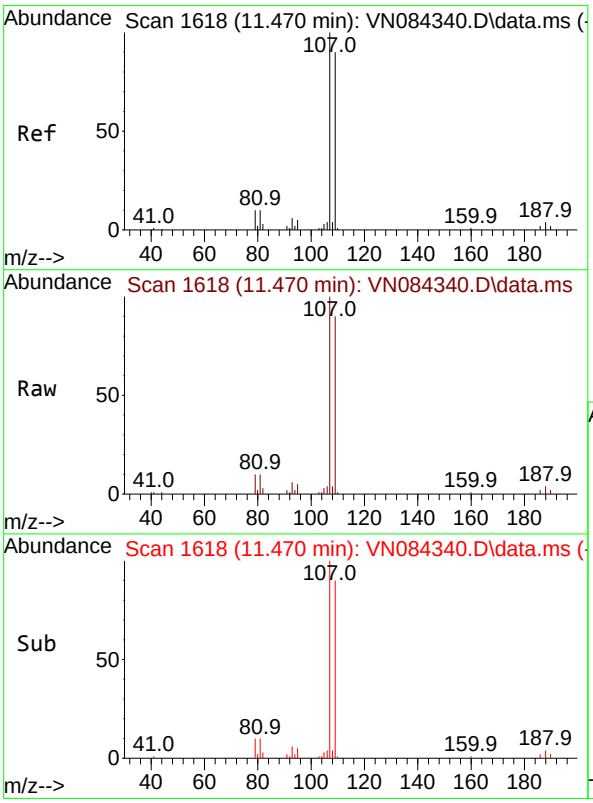
#53
Dibromochloromethane
Concen: 19.920 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 53563

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

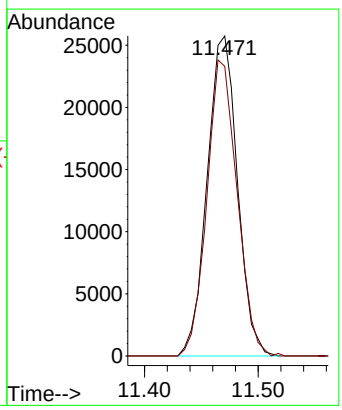


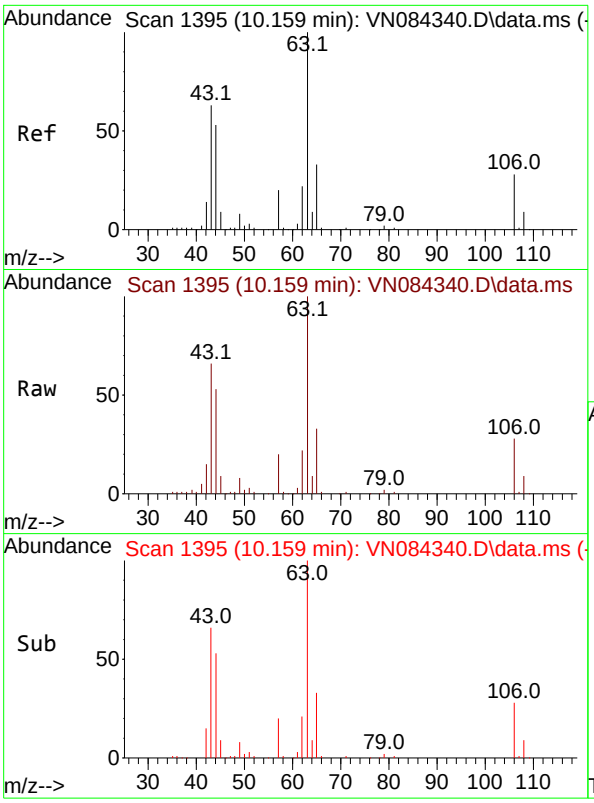


#54
1,2-Dibromoethane
Concen: 20.362 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:107 Resp: 47708

Ion	Ratio	Lower	Upper
107	100		
109	92.2	73.8	110.6



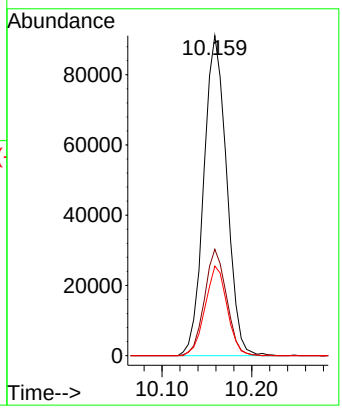


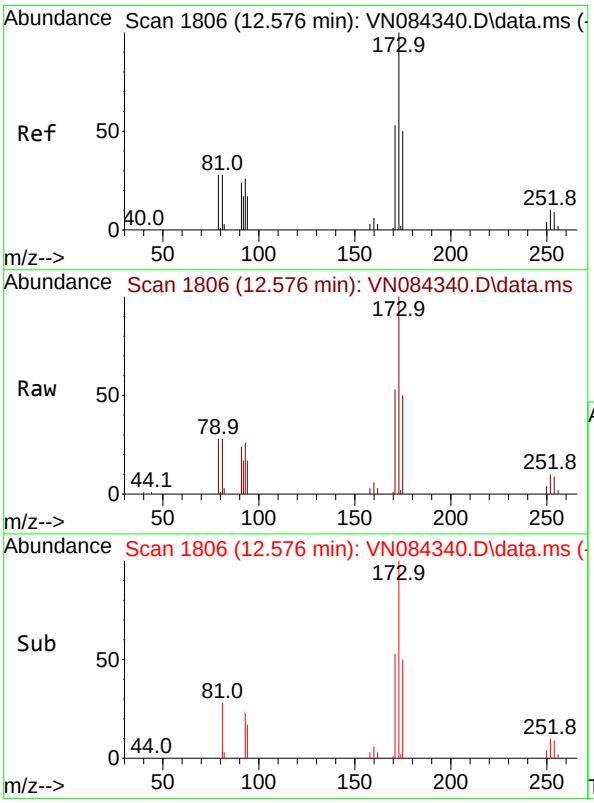
#55
2-Chloroethyl vinyl ether
Concen: 94.667 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 161430

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.6	38.4
106	27.0	21.6	32.4

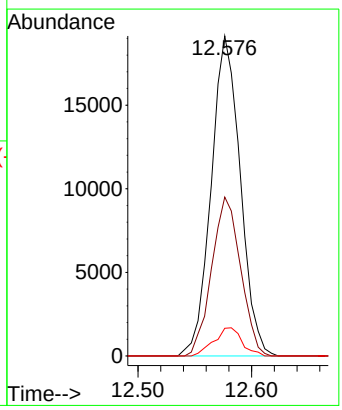


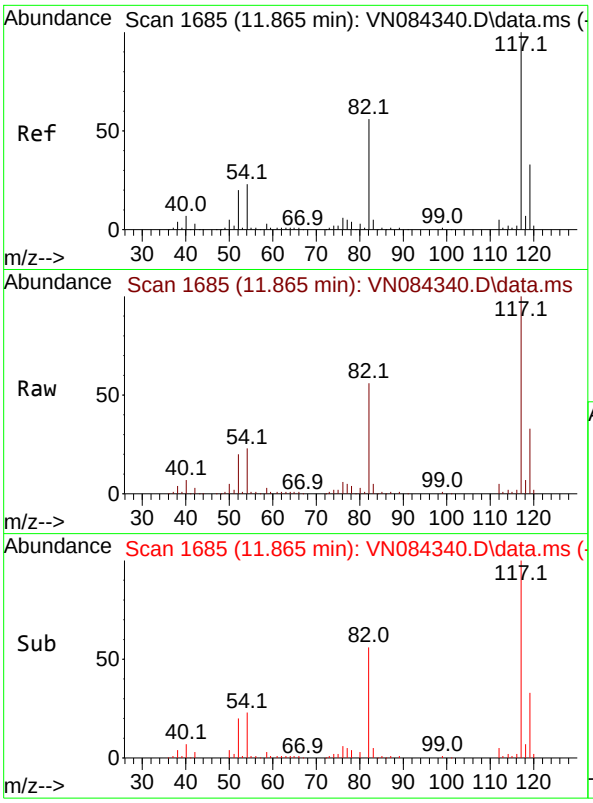


#56
Bromoform
Concen: 19.091 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:173 Resp: 34047

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.4	59.2
254	8.5	6.8	10.2



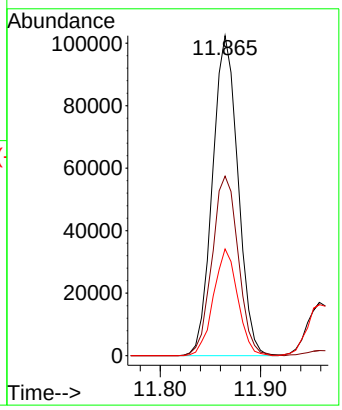


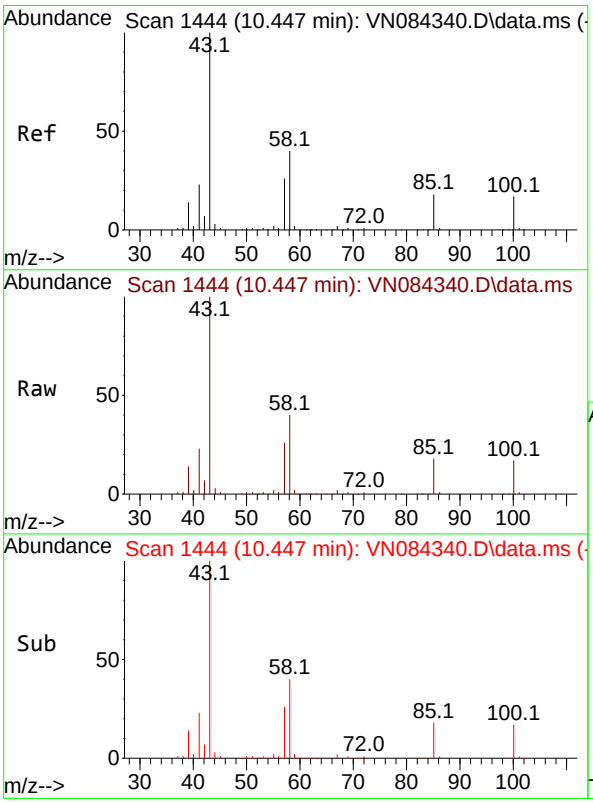
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 180372

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.8	25.4	38.2

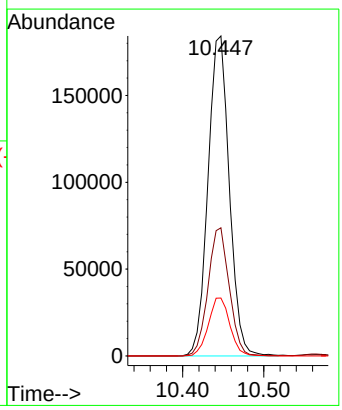


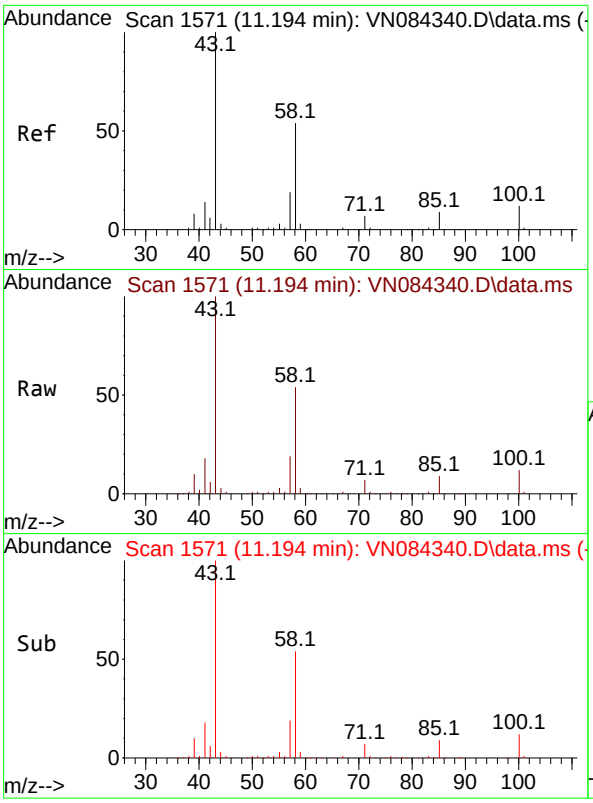


#58
4-Methyl-2-Pentanone
Concen: 100.014 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 43 Resp: 336052

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9
85	18.3	14.6	22.0



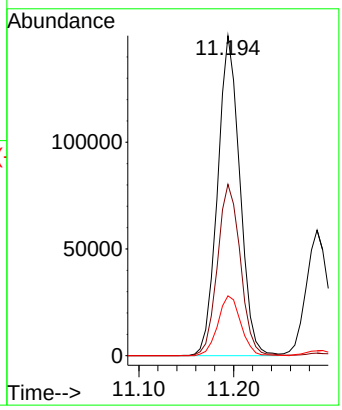


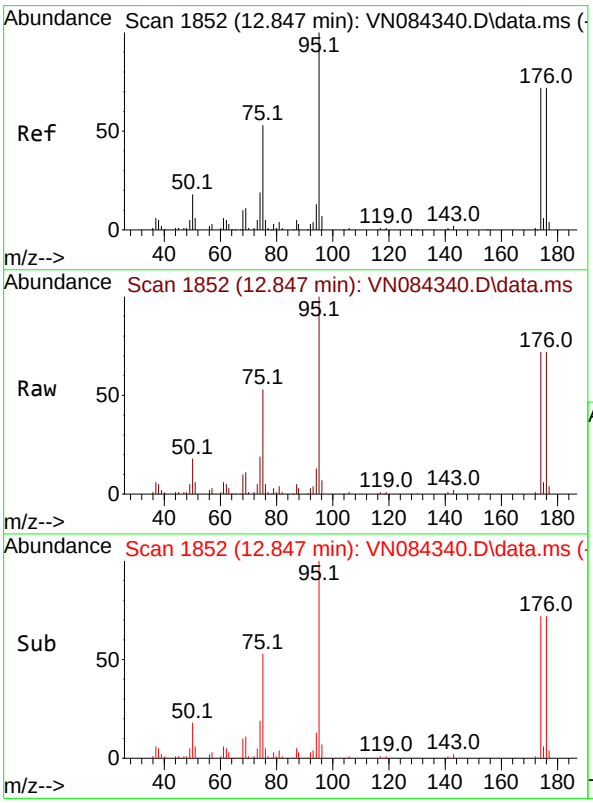
#59
2-Hexanone
Concen: 98.139 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 245030

Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.0	66.0
57	19.3	15.4	23.2

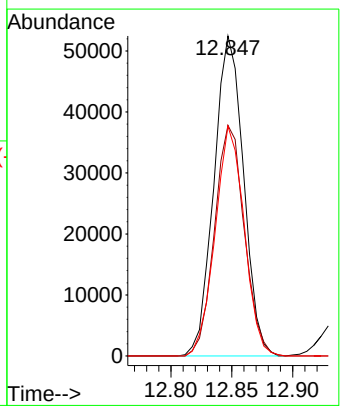


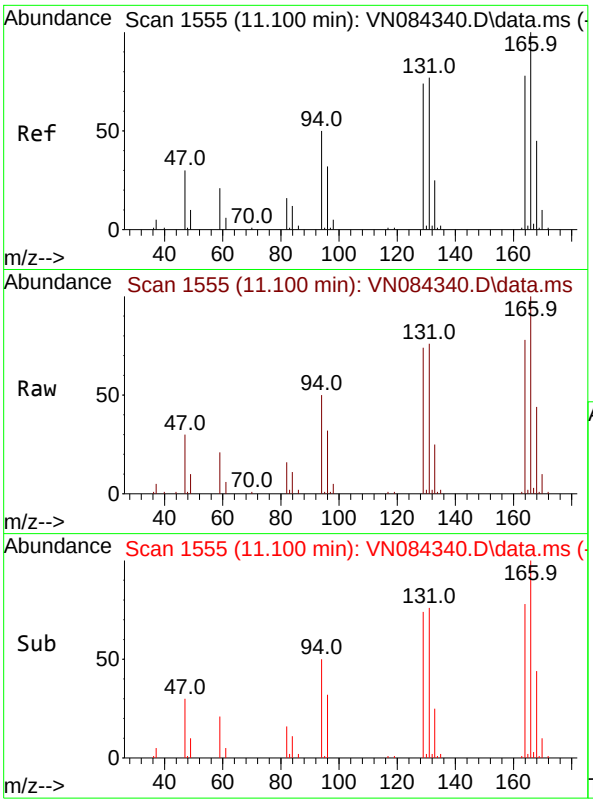


#60
4-Bromofluorobenzene
Concen: 29.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 95 Resp: 88736

Ion	Ratio	Lower	Upper
95	100		
174	72.7	58.2	87.2
176	70.5	56.4	84.6



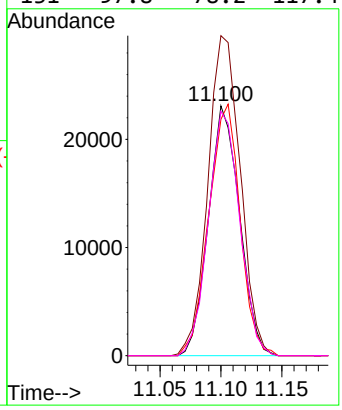


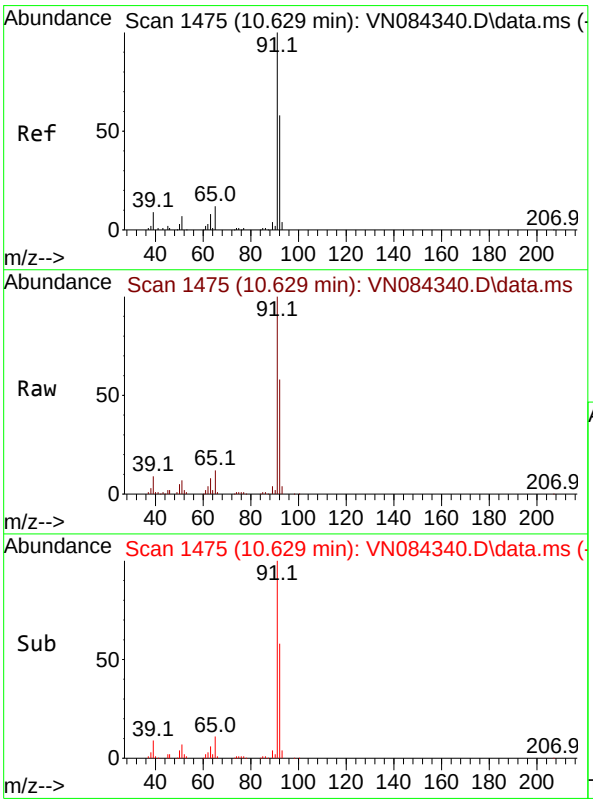
#61
Tetrachloroethene
Concen: 20.131 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:164 Resp: 41072

Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	94.6	75.7	113.5
131	97.8	78.2	117.4

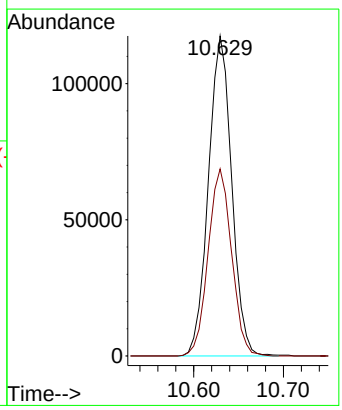


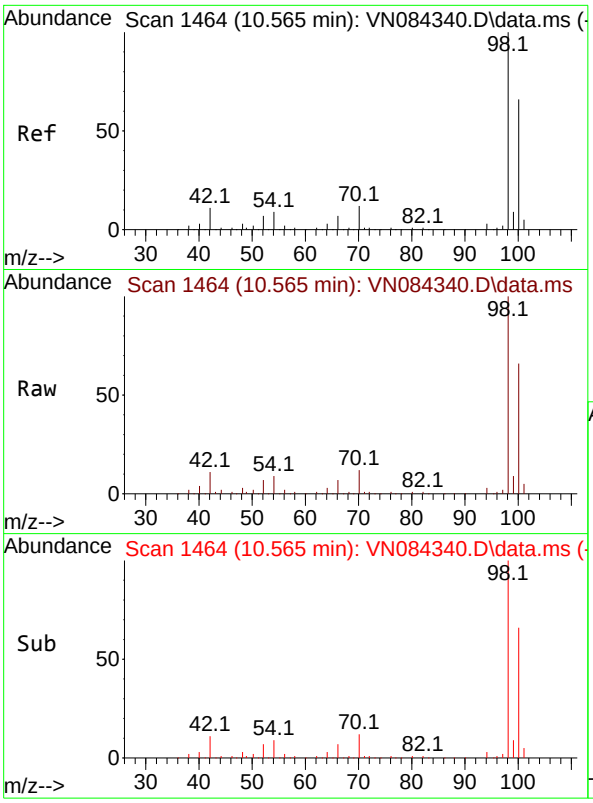


#62
Toluene
Concen: 20.058 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 211795

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.2	70.8



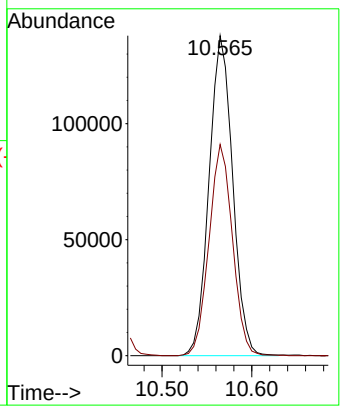


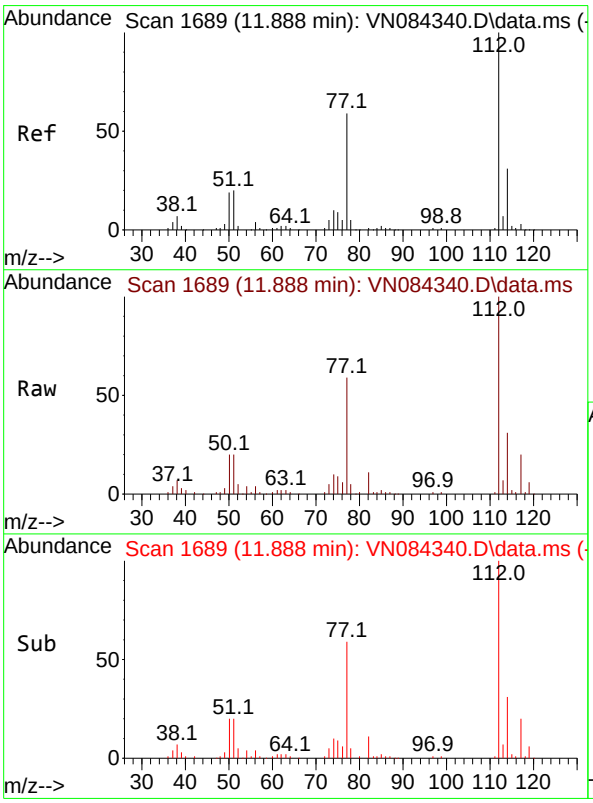
#63
Toluene-d8
Concen: 30.121 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 98 Resp: 251690

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

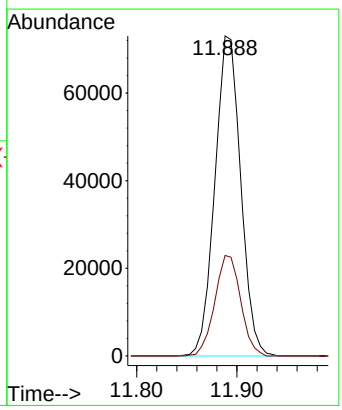


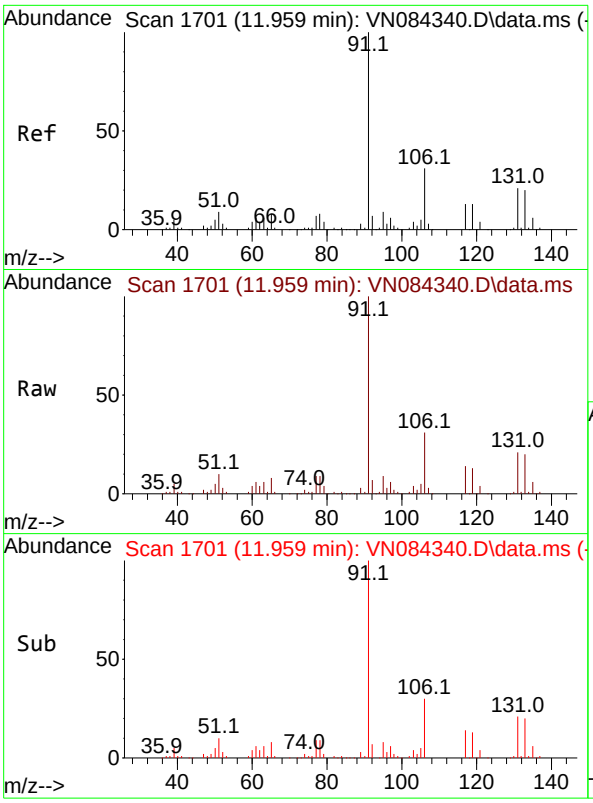


#64
Chlorobenzene
Concen: 19.878 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:112 Resp: 130620

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7



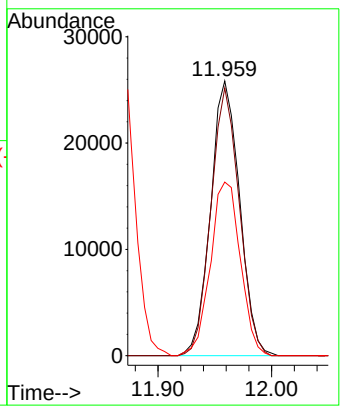


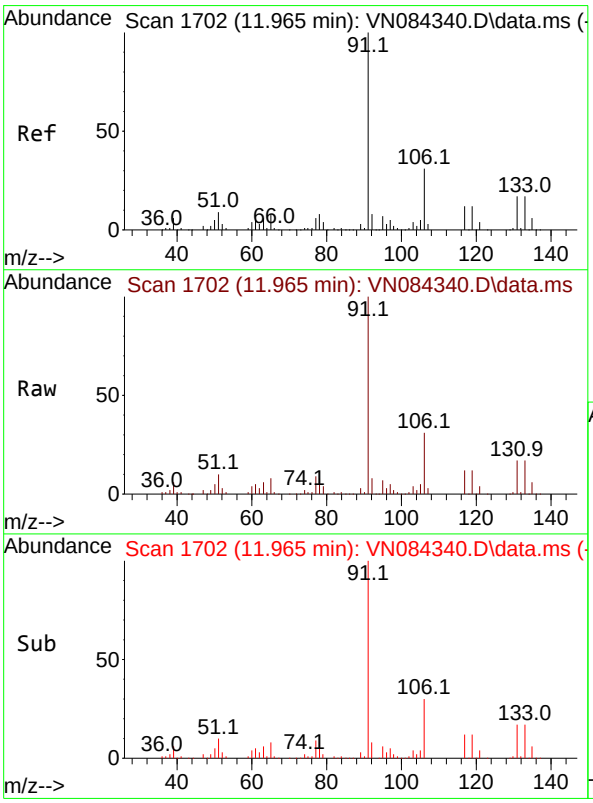
#65
1,1,1,2-Tetrachloroethane
Concen: 20.153 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:131 Resp: 46005

Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	190.4
119	65.0	0.0	130.0

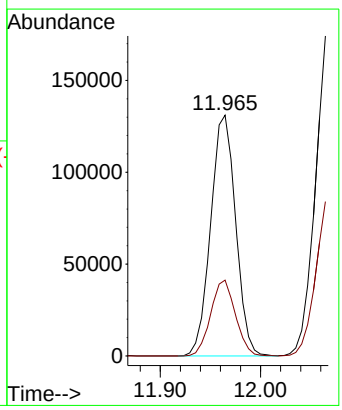


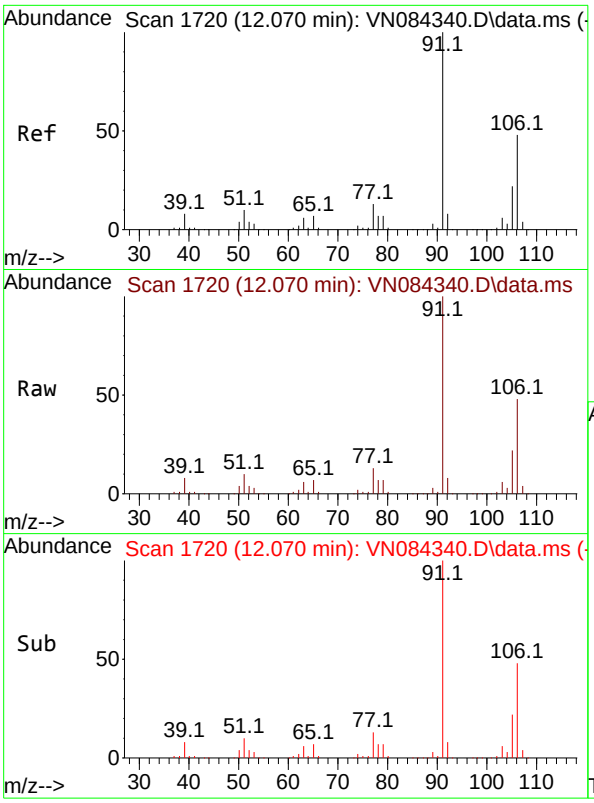


#66
Ethyl Benzene
Concen: 19.804 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 227198

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.2	37.8



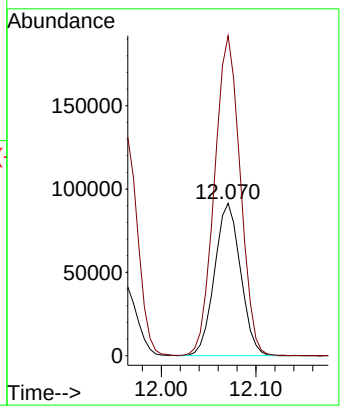


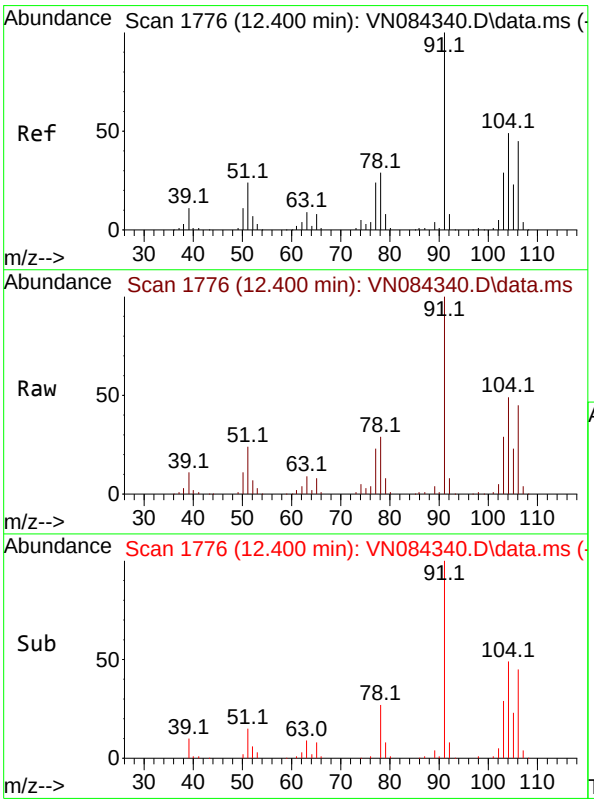
#67
m/p-Xylenes
Concen: 40.081 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 174434

Ion	Ratio	Lower	Upper
106	100		
91	208.4	166.7	250.1

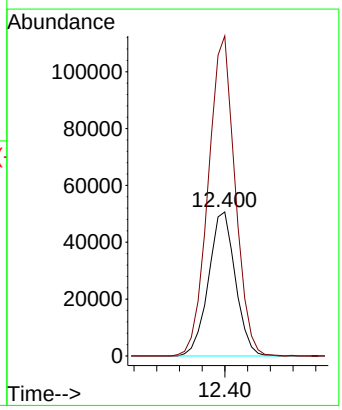


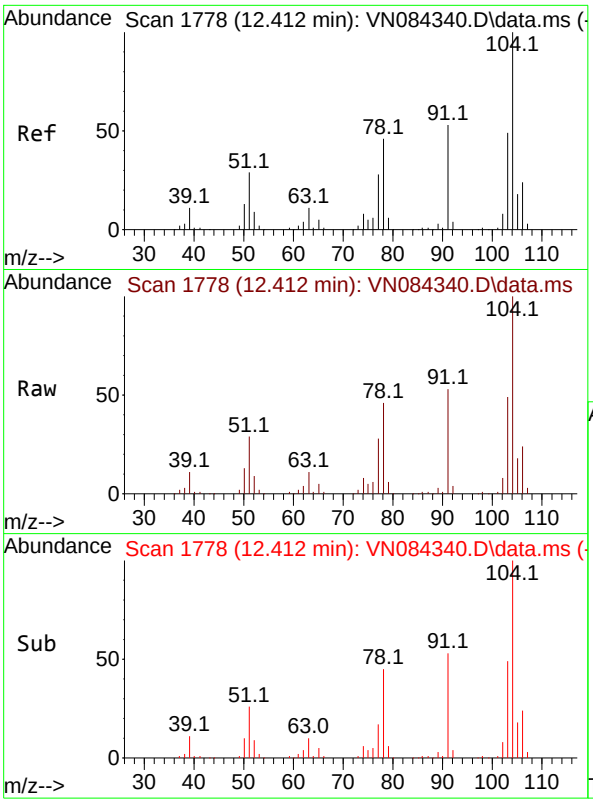


#68
o-Xylene
Concen: 19.823 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:106 Resp: 83154

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.9	332.9



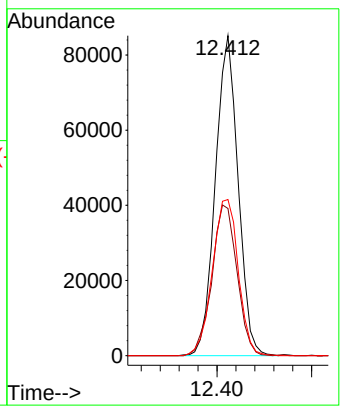


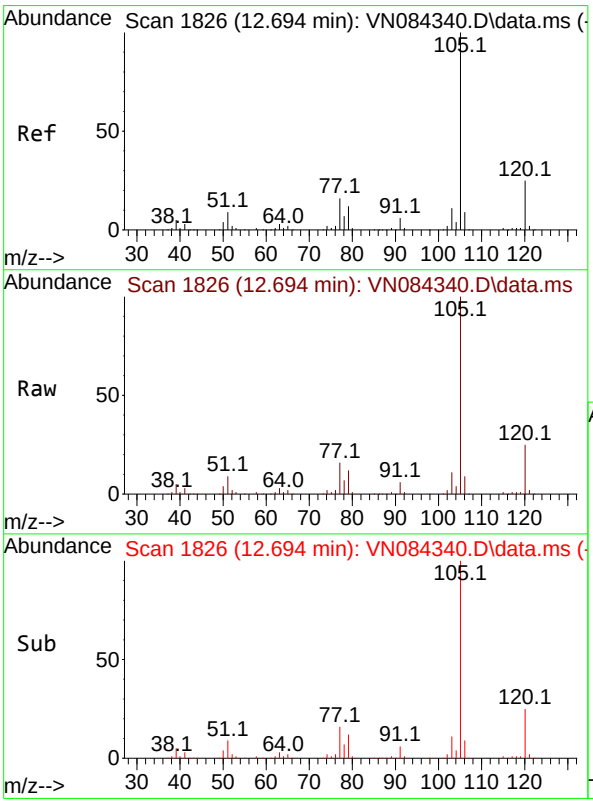
#69
Styrene
Concen: 19.752 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 142239

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	55.5	44.4	66.6

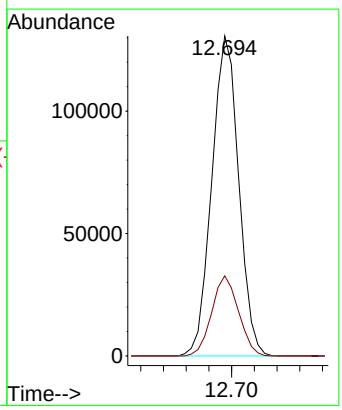


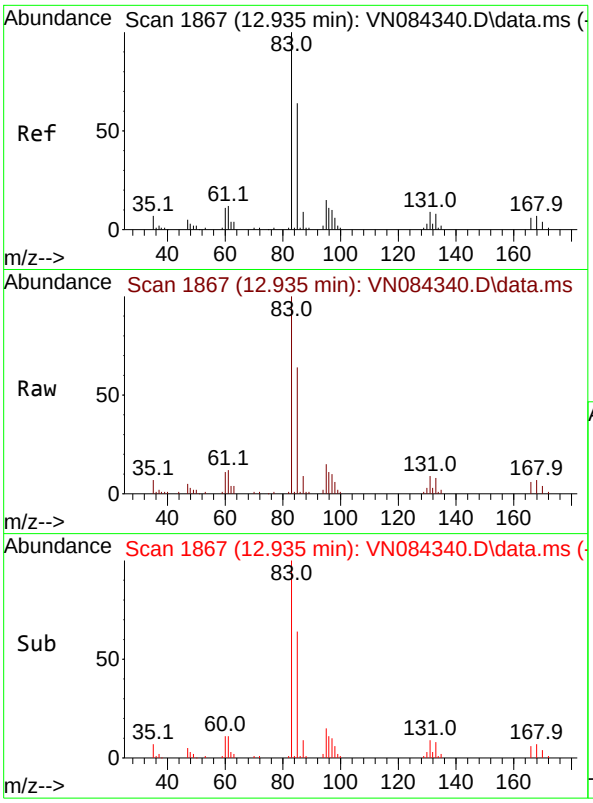


#70
Isopropylbenzene
Concen: 20.060 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 214822

Ion	Ratio	Lower	Upper
105	100		
120	24.9	17.4	32.4



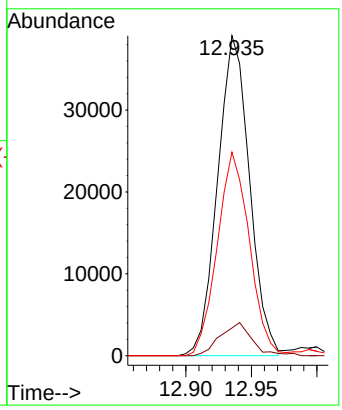


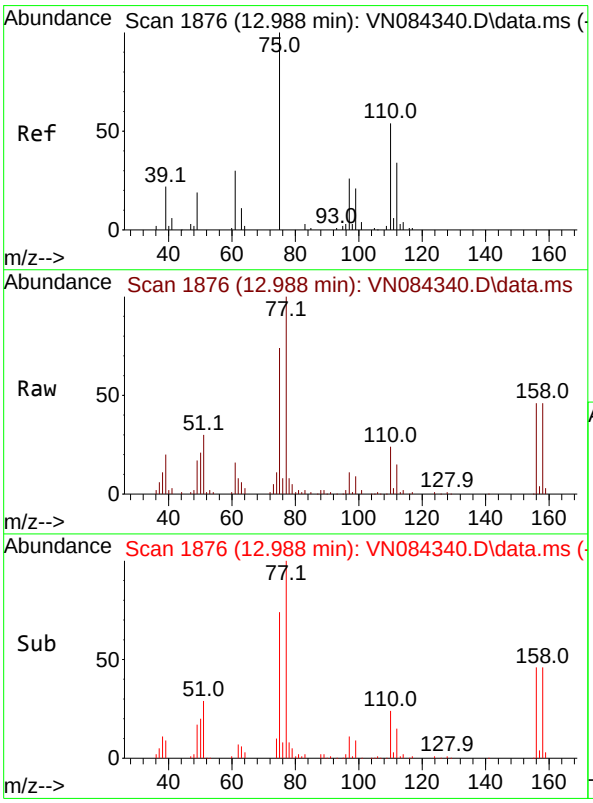
#71
1,1,2,2-Tetrachloroethane
Concen: 19.931 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 66030

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.1	32.0	96.2

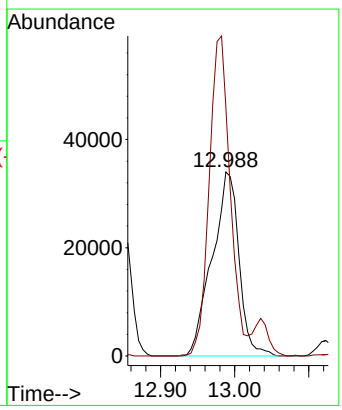


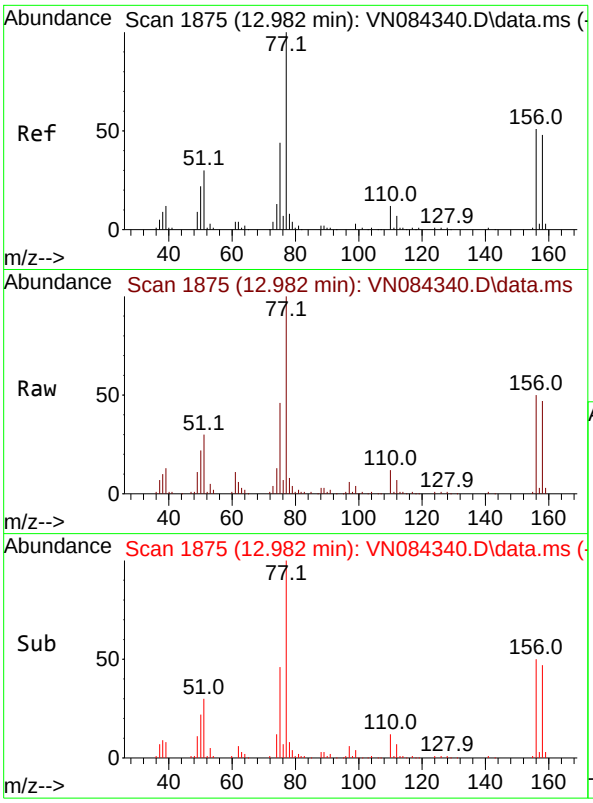


#72
1,2,3-Trichloropropane
Concen: 30.234 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 85664

Ion	Ratio	Lower	Upper
75	100		
77	135.4	0.0	414.0



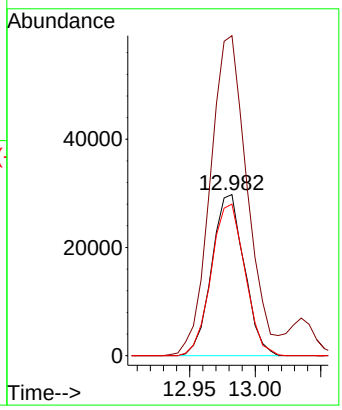


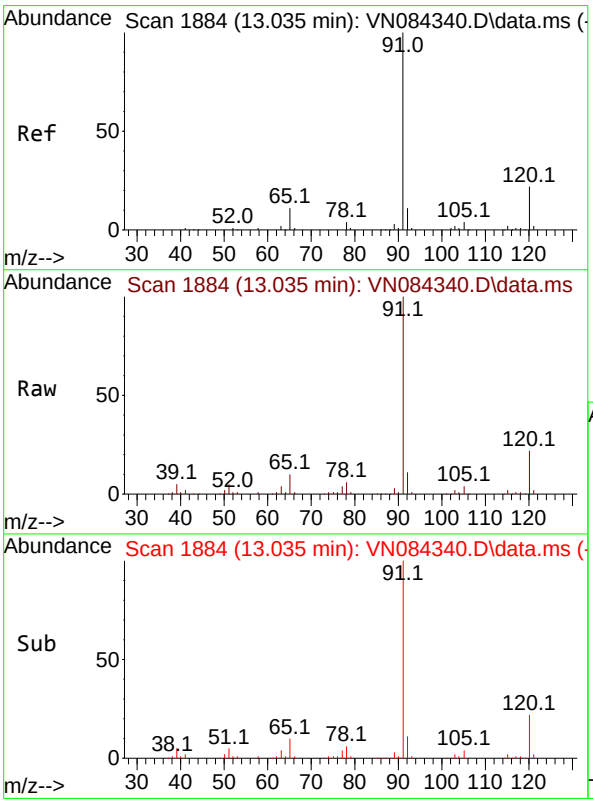
#73
Bromobenzene
Concen: 19.834 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 51441

Ion	Ratio	Lower	Upper
156	100		
77	225.5	0.0	451.0
158	97.3	0.0	194.6

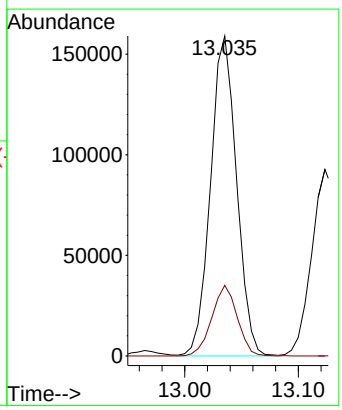


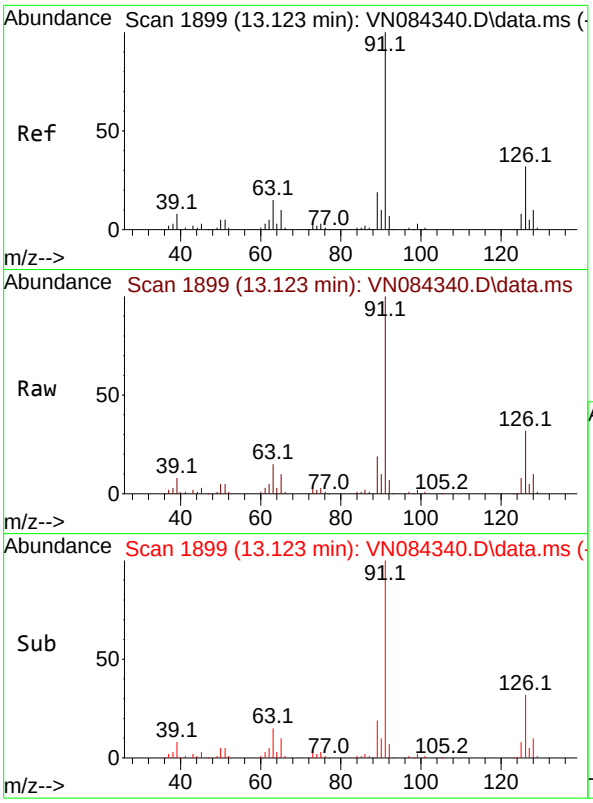


#74
n-propylbenzene
Concen: 19.856 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 253393

Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.2



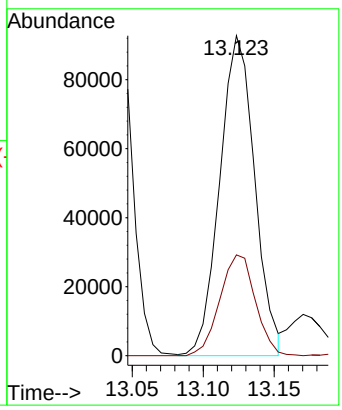


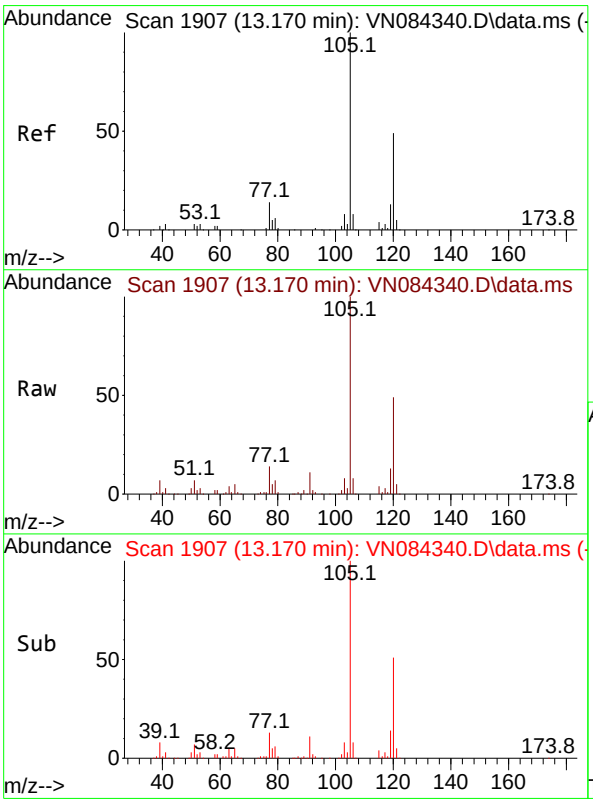
#75
2-Chlorotoluene
Concen: 20.048 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 158981

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0

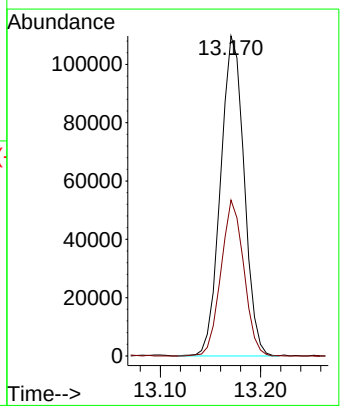


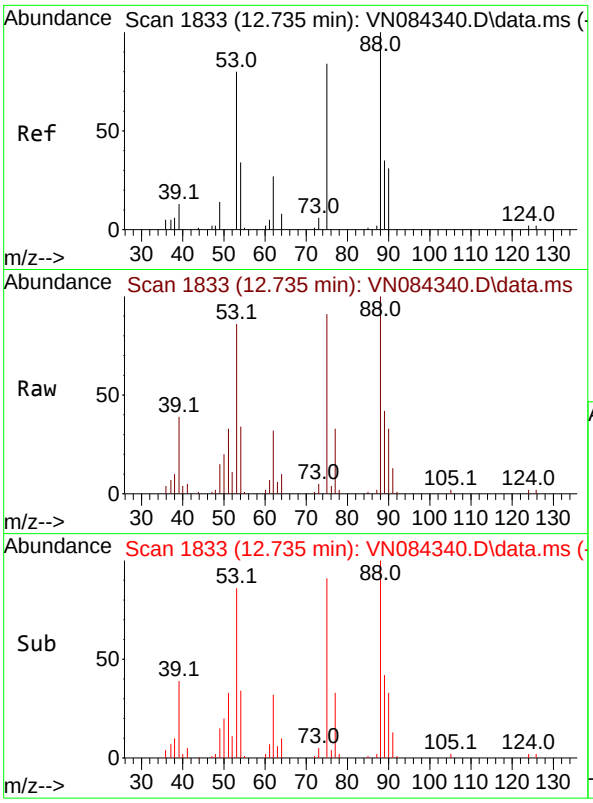


#76
1,3,5-Trimethylbenzene
Concen: 19.838 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 178878

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4



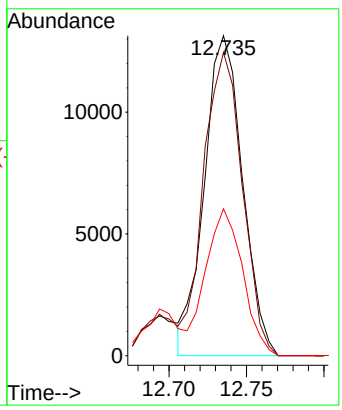


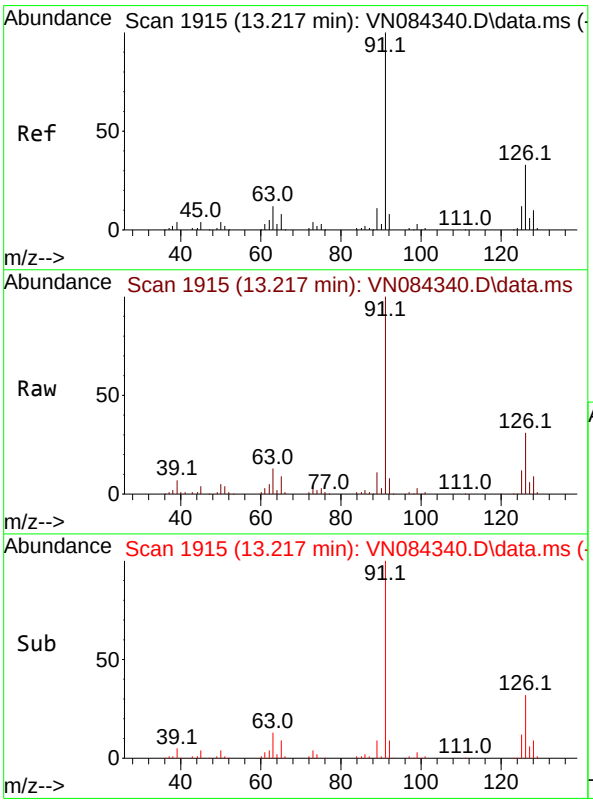
#77
t-1,4-Dichloro-2-butene
Concen: 18.583 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 22530

Ion	Ratio	Lower	Upper
75	100		
53	94.7	47.3	142.0
89	45.9	22.9	68.8

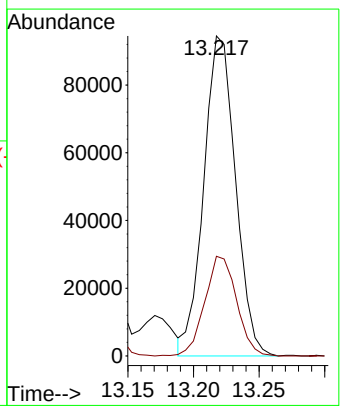


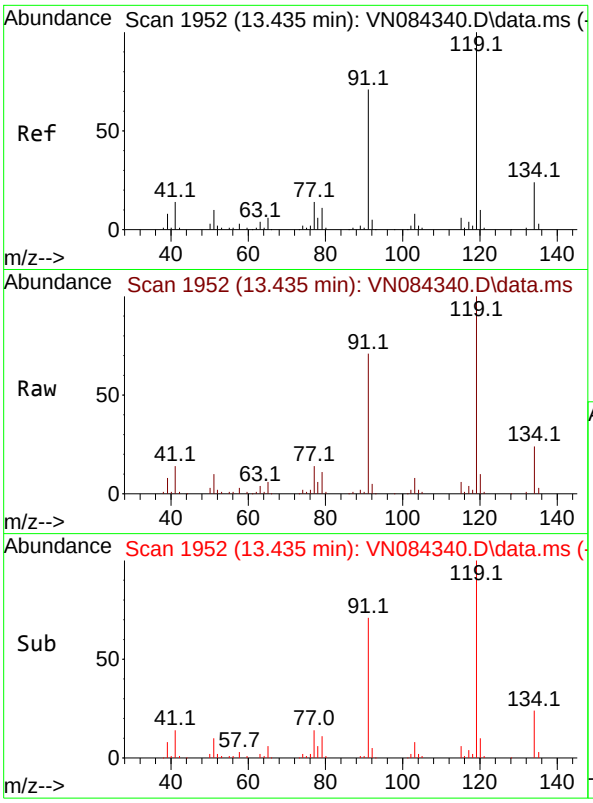


#78
4-Chlorotoluene
Concen: 19.735 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 91 Resp: 159107

Ion	Ratio	Lower	Upper
91	100		
126	31.2	0.0	62.4



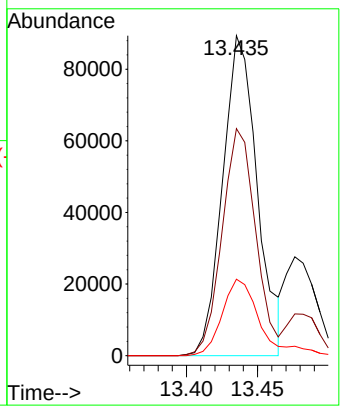


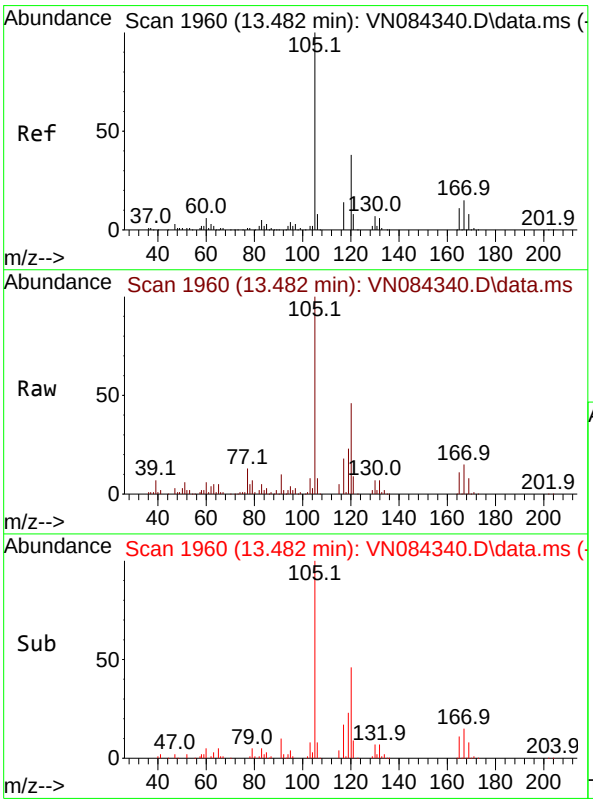
#79
tert-butylbenzene
Concen: 19.692 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 151487

Ion	Ratio	Lower	Upper
119	100		
91	69.0	0.0	138.0
134	24.4	0.0	48.8

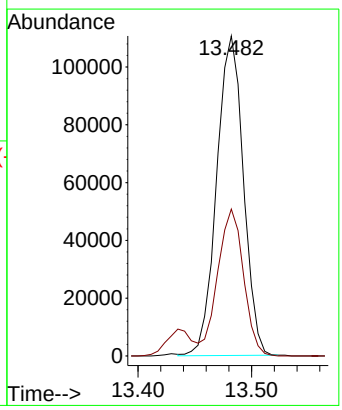


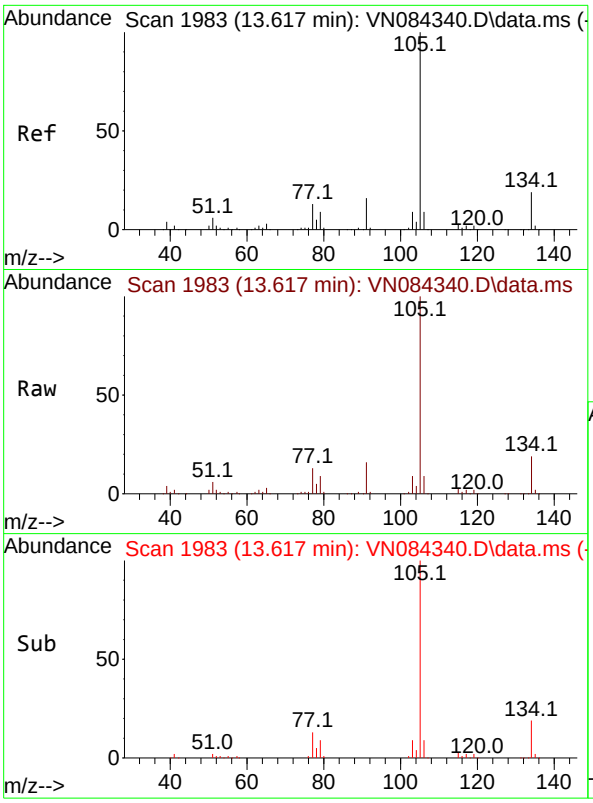


#80
1,2,4-Trimethylbenzene
Concen: 19.743 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:105 Resp: 180628

Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	88.8



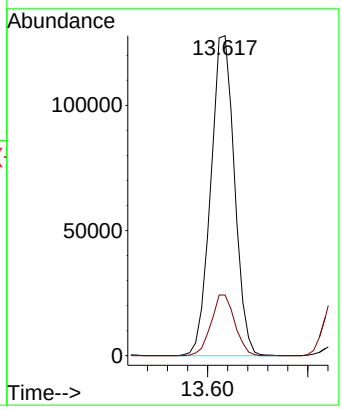


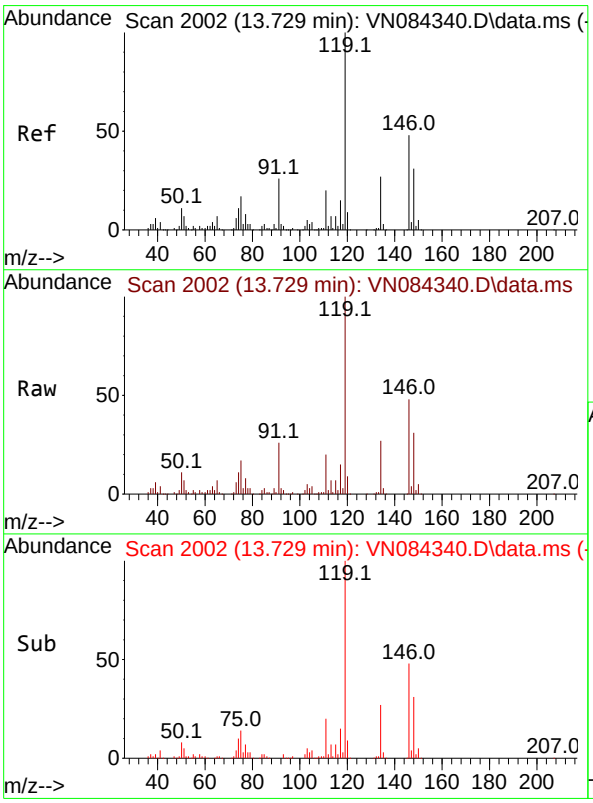
#81
sec-Butylbenzene
Concen: 19.829 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:105 Resp: 210010

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	38.0

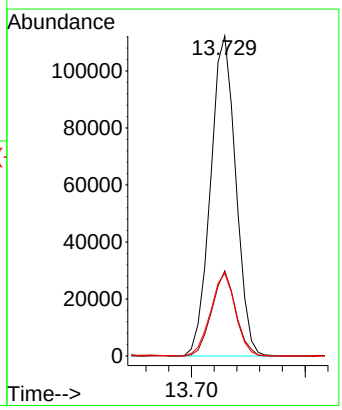


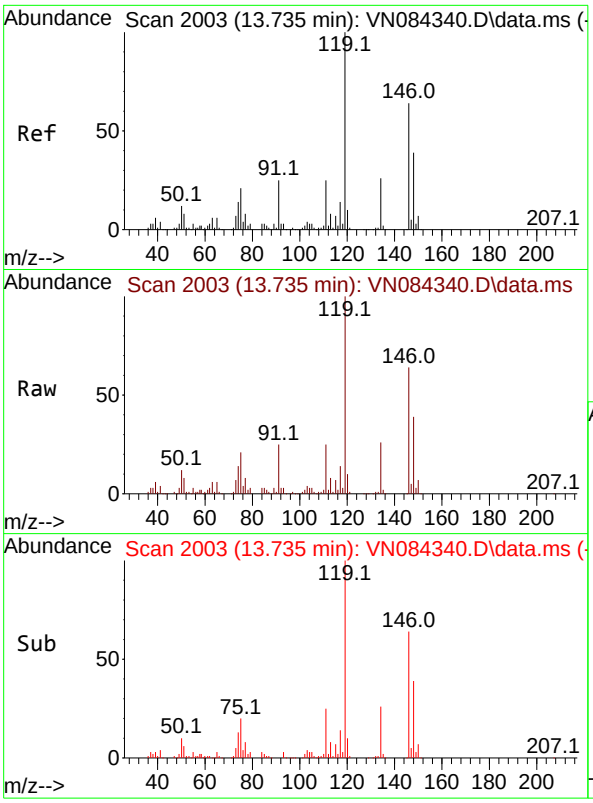


#82
p-Isopropyltoluene
Concen: 19.415 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:119 Resp: 173074

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	50.2
91	25.3	0.0	50.6



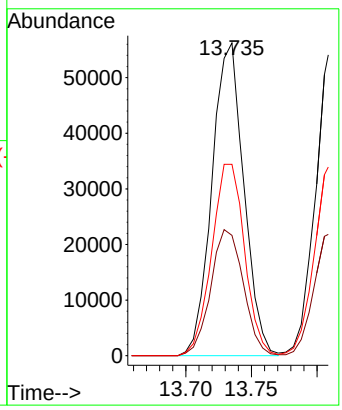


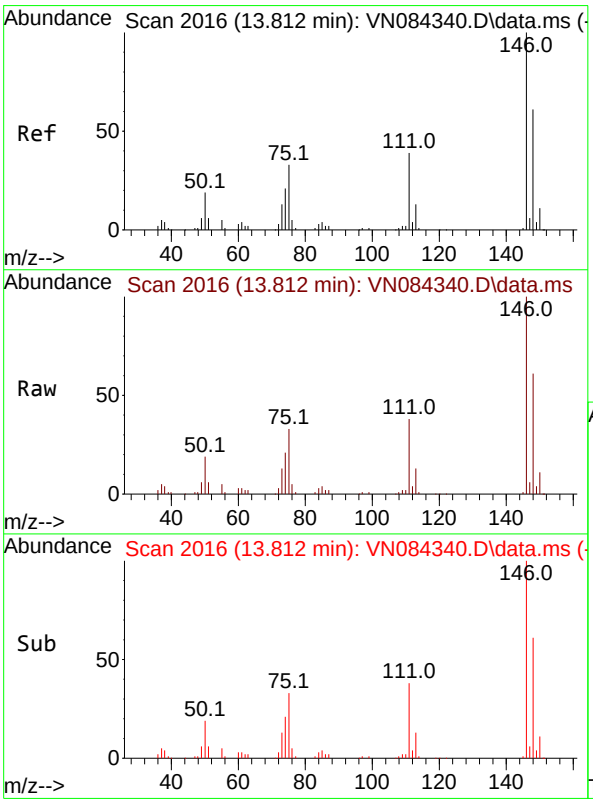
#83
1,3-Dichlorobenzene
Concen: 19.711 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 95054

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	63.1	31.6	94.7

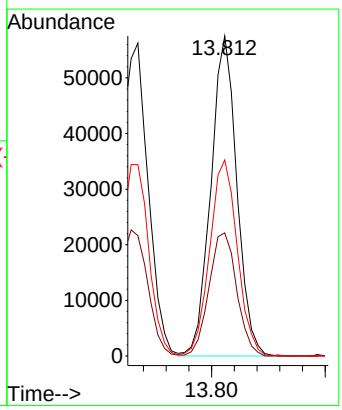


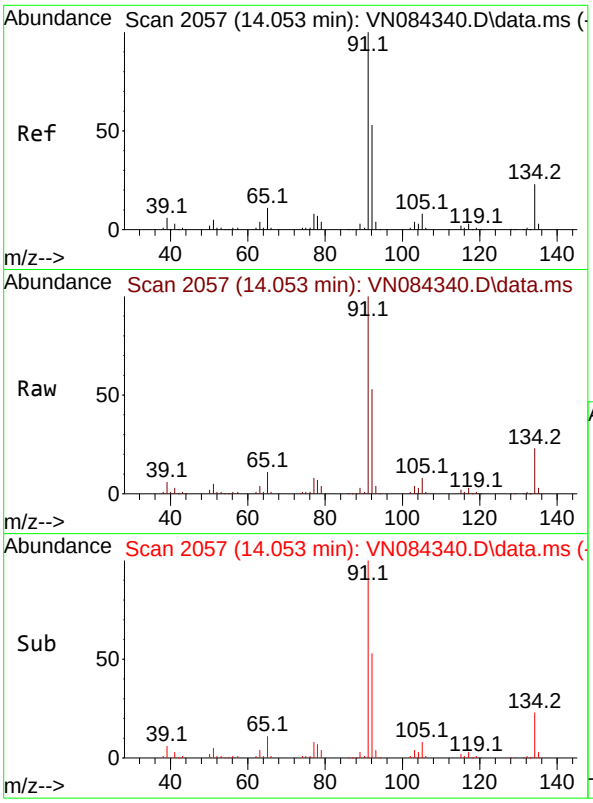


#84
1,4-Dichlorobenzene
Concen: 19.121 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:146 Resp: 91564

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.9	32.5	97.4



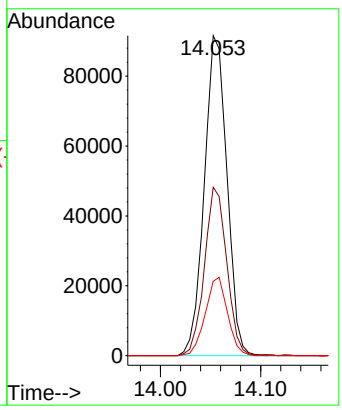


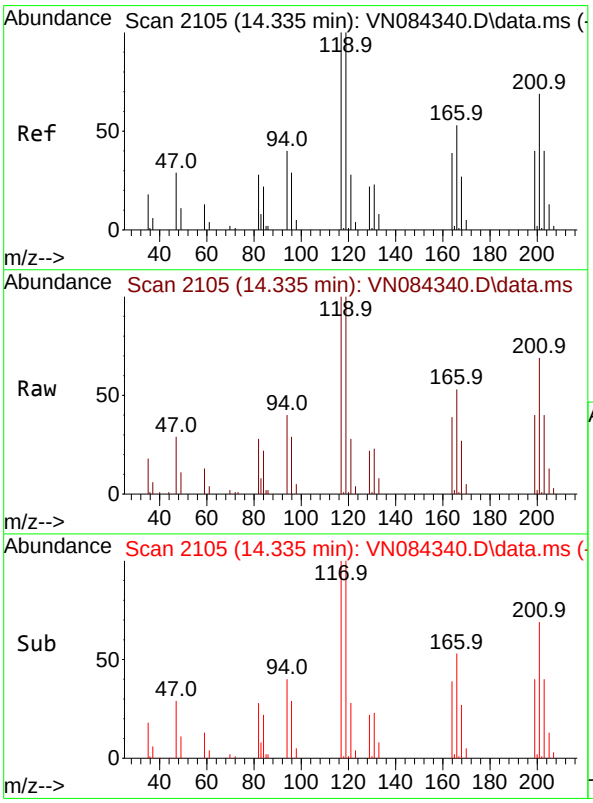
#85
n-Butylbenzene
Concen: 18.676 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 144192

Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	103.4
134	24.0	0.0	48.0

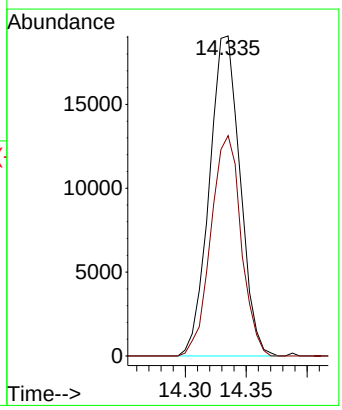


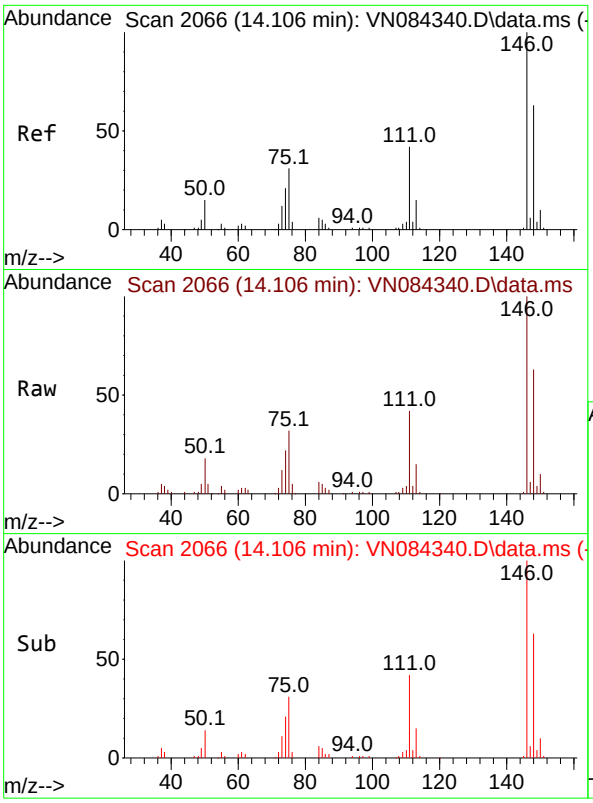


#86
Hexachloroethane
Concen: 19.524 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:117 Resp: 33531

Ion	Ratio	Lower	Upper
117	100		
201	67.7	33.9	101.6



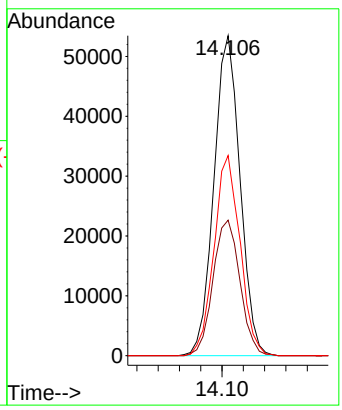


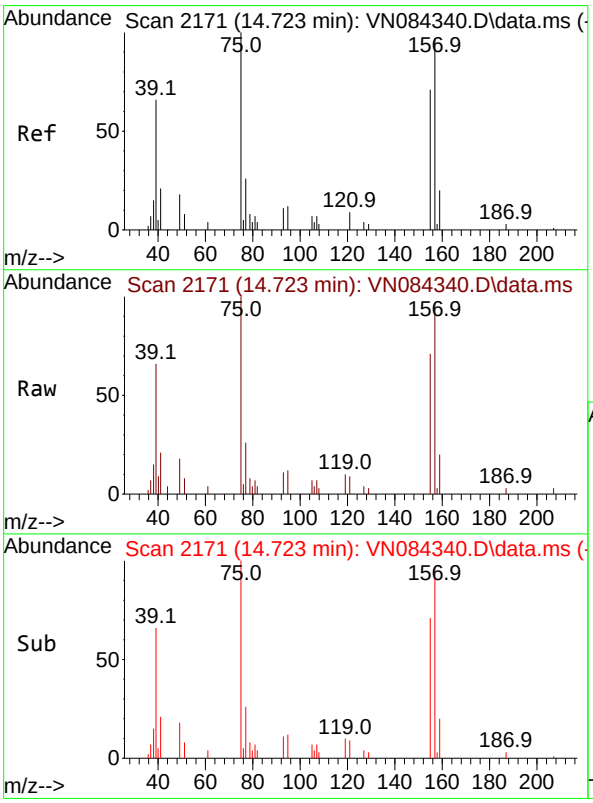
#87
1,2-Dichlorobenzene
Concen: 19.503 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 90933

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	62.3	31.1	93.5

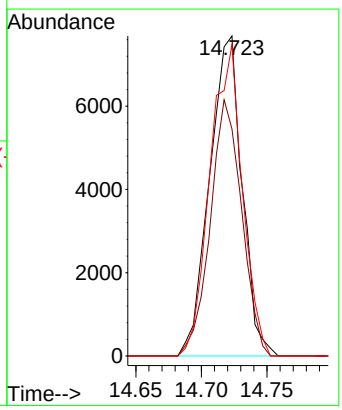


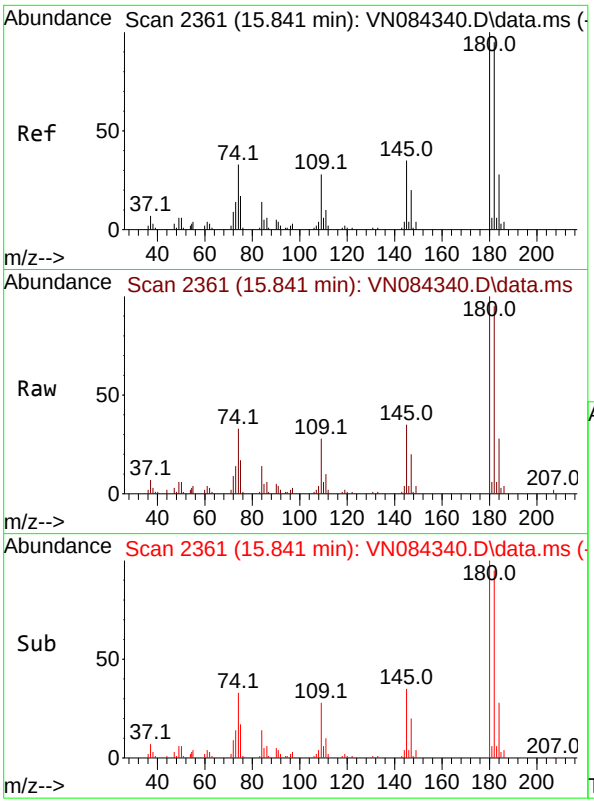


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.543 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion: 75 Resp: 13240

Ion	Ratio	Lower	Upper
75	100		
155	77.3	61.8	92.8
157	96.7	77.4	116.0



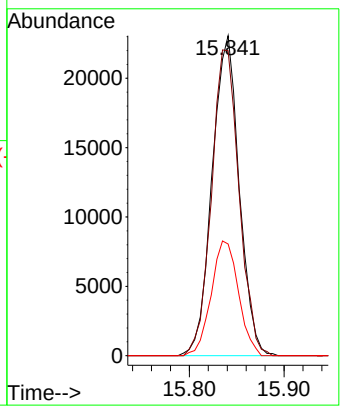


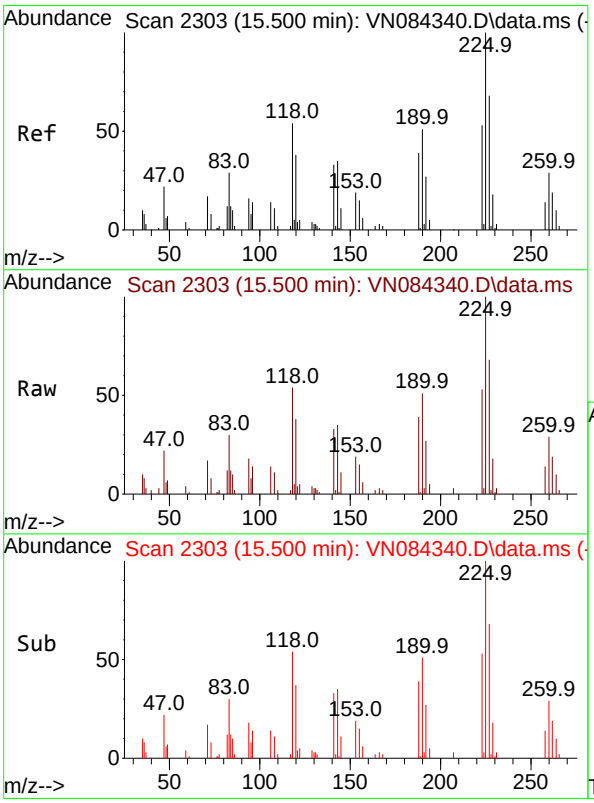
#89
1,2,4-Trichlorobenzene
Concen: 18.915 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:180 Resp: 45853

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
145	36.1	28.9	43.3

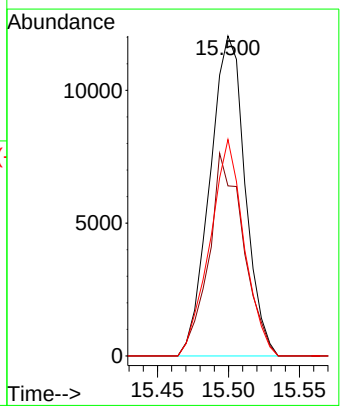


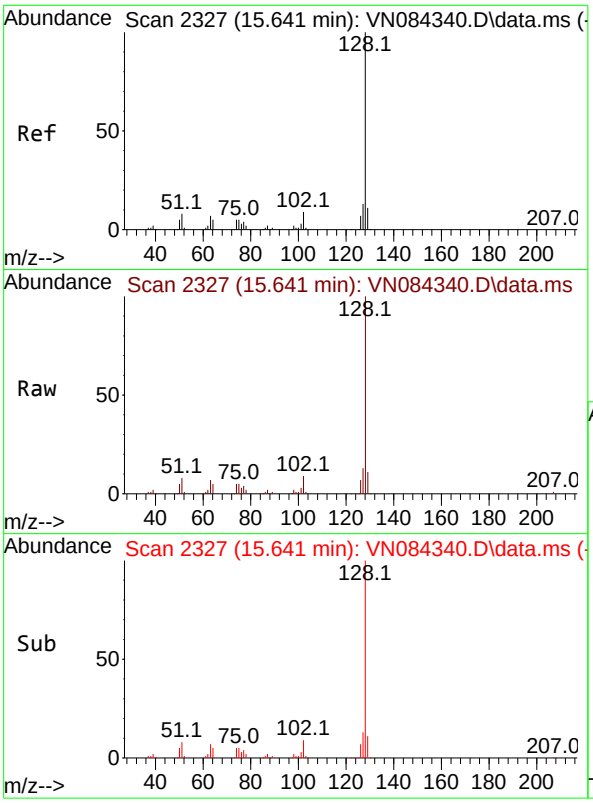


#90
Hexachlorobutadiene
Concen: 18.600 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:225 Resp: 20860

Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	124.0
227	65.4	0.0	130.8



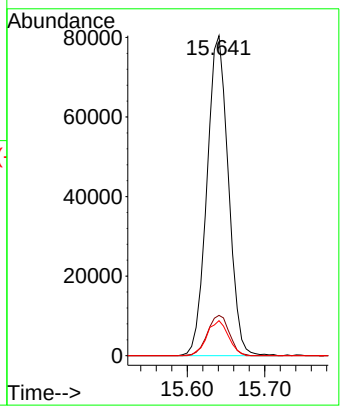


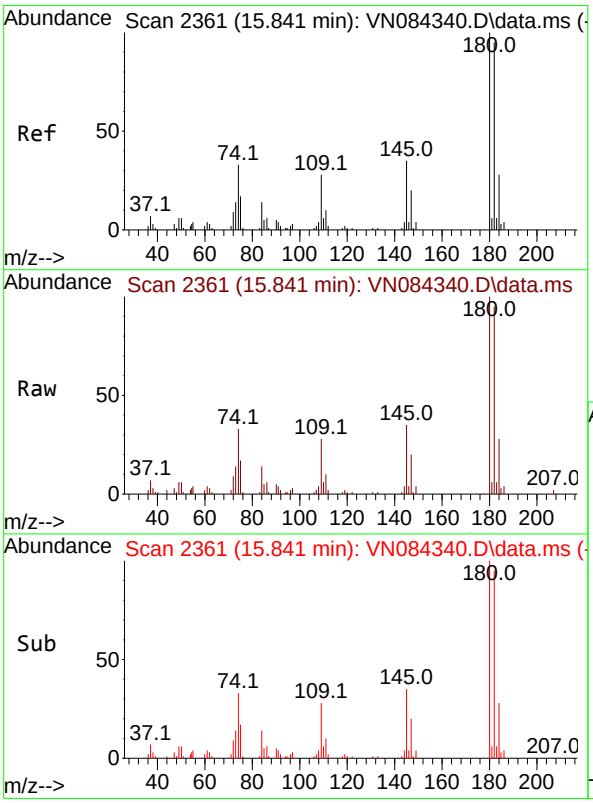
#91
Naphthalene
Concen: 18.804 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 154471

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

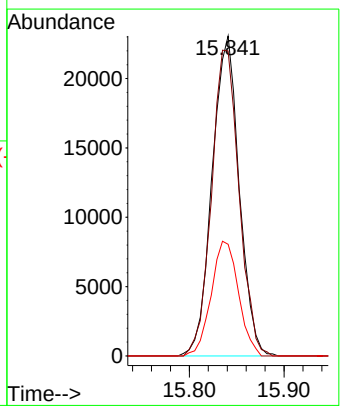




#92
1,2,3-Trichlorobenzene
Concen: 18.915 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084340.D
Acq: 08 Oct 2024 10:55

Tgt Ion:180 Resp: 45853

Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	194.4
145	36.1	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084341.D
Acq On : 08 Oct 2024 11:19
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 09 02:09:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	33135	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	182092	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	168912	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	80437	30.153	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.500%				
60) 4-Bromofluorobenzene	12.847	95	78531	28.170	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.900%				
63) Toluene-d8	10.565	98	237159	30.307	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	10592	5.236	ug/l		94
3) Chloromethane	2.359	50	11862	5.153	ug/l		93
4) Vinyl Chloride	2.512	62	11670	5.169	ug/l		90
5) Bromomethane	2.953	94	9027	6.035	ug/l		96
6) Chloroethane	3.118	64	8876	5.997	ug/l		92
7) Trichlorofluoromethane	3.500	101	19359	5.264	ug/l		91
8) Diethyl Ether	3.959	74	4859	3.594	ug/l		68
9) 1,1,2-Trichlorotrifluo...	4.377	101	10938	5.290	ug/l		70
10) 1,1-Dichloroethene	4.342	96	10884	5.275	ug/l		97
11) Methyl Iodide	4.595	142	13135	4.845	ug/l		98
12) Methyl Acetate	5.030	43	12264	4.748	ug/l		97
13) Acrolein	4.183	56	12398	25.840	ug/l		93
14) Acrylonitrile	5.718	53	14569	12.555	ug/l	#	20
15) Acetone	4.436	58	7318	22.077	ug/l		94
16) Carbon Disulfide	4.706	76	33723	5.489	ug/l		98
17) Allyl chloride	5.030	41	16359	4.891	ug/l		97
18) Methylene Chloride	5.277	84	7050	3.033	ug/l		97
19) trans-1,2-Dichloroethene	5.783	96	11347	5.197	ug/l		86
20) Diisopropyl ether	6.677	45	34552	4.805	ug/l	#	93
21) 1,1-Dichloroethane	6.571	63	21583	5.231	ug/l		93
22) cis-1,2-Dichloroethene	7.483	96	12611	4.963	ug/l		96
23) tert-Butyl Alcohol	5.524	59	11110	24.960	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	33238	4.821	ug/l	#	91
25) Chloroform	7.971	83	21052	5.038	ug/l		92
26) Cyclohexane	8.259	56	16244	4.707	ug/l	#	96
29) 1,1-Dichloropropene	8.371	75	14635	4.896	ug/l		99
30) 2-Butanone	7.488	43	36686	23.051	ug/l	#	98
31) 2,2-Dichloropropane	7.494	77	16984	4.835	ug/l	#	78
32) 1,1,1-Trichloroethane	8.159	97	12175	3.186	ug/l	#	52
33) Carbon Tetrachloride	8.365	117	16613	5.019	ug/l		91
34) Benzene	8.600	78	47206	5.045	ug/l	#	80
35) Methacrylonitrile	7.771	41	3912	2.304	ug/l		95
36) 1,2-Dichloroethane	8.671	62	15630	5.011	ug/l		100
37) Trichloroethene	9.353	130	10715	4.973	ug/l		96
38) Methylcyclohexane	9.600	83	14911	4.541	ug/l		92
39) 1,2-Dichloropropane	9.618	63	11390	4.992	ug/l		90
40) Dibromomethane	9.706	93	8154	5.113	ug/l		98
41) Bromodichloromethane	9.882	83	16959	5.009	ug/l		93
42) Vinyl Acetate	6.606	43	127008	22.946	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084341.D
Acq On : 08 Oct 2024 11:19
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 09 02:09:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration

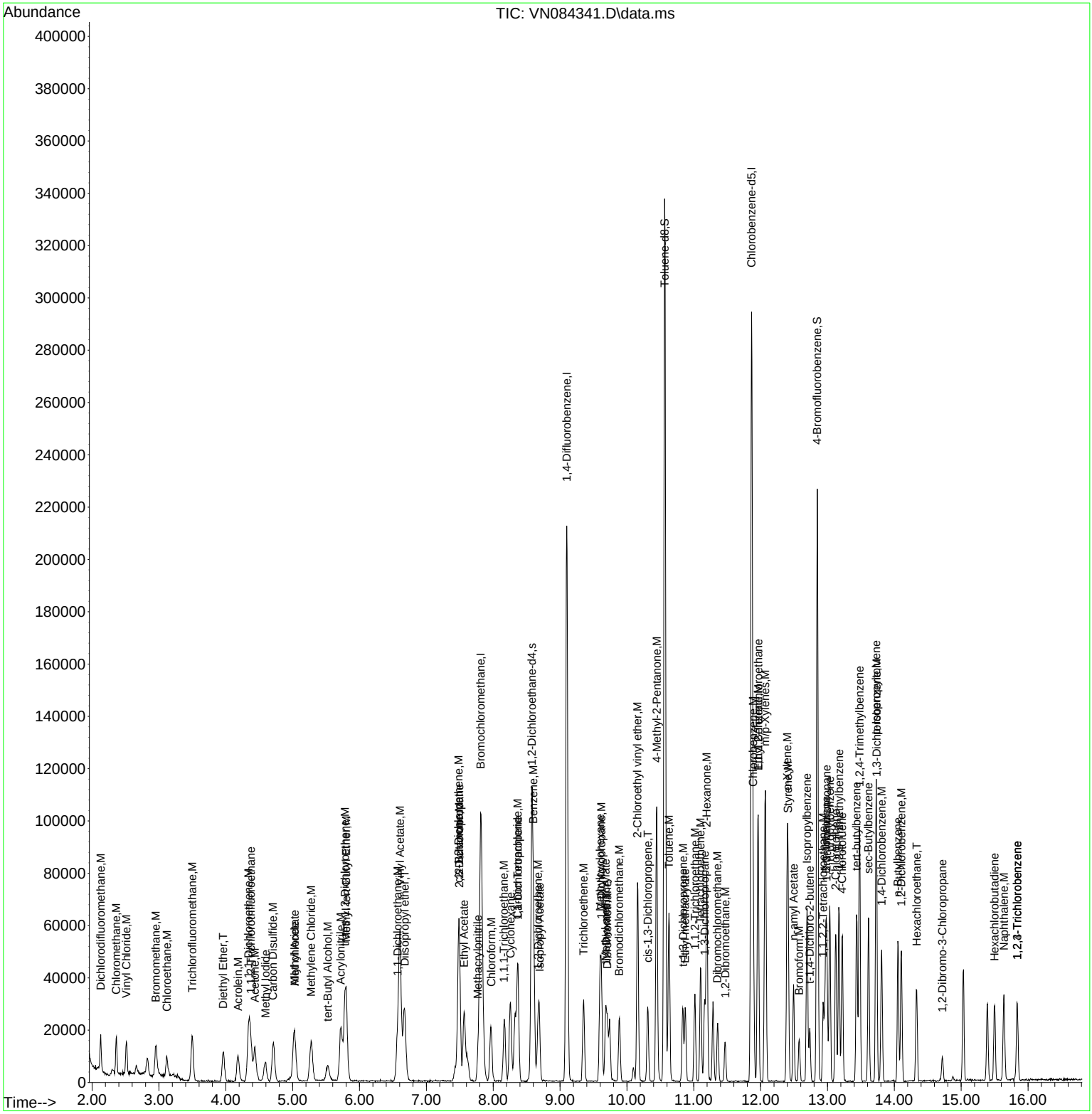
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.565	43	13741	4.378	ug/l		98
44) Isopropyl Acetate	8.694	43	23240	4.524	ug/l		100
45) 1,4-Dioxane	9.694	88	4149	89.589	ug/l		97
46) Methyl methacrylate	9.682	41	11210	4.516	ug/l		88
47) n-amyl Acetate	12.494	43	19132	4.187	ug/l		98
48) t-1,3-Dichloropropene	10.841	75	17119	4.893	ug/l		92
49) cis-1,3-Dichloropropene	10.312	75	16720	4.560	ug/l	#	86
50) 1,1,2-Trichloroethane	11.018	97	10856	5.065	ug/l		92
51) Ethyl methacrylate	10.871	69	14547	4.109	ug/l		90
52) 1,3-Dichloropropane	11.165	76	18781	5.011	ug/l		98
53) Dibromochloromethane	11.353	129	12356	4.880	ug/l		99
54) 1,2-Dibromoethane	11.471	107	10689	4.844	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	33972	21.155	ug/l		97
56) Bromoform	12.576	173	7936	4.725	ug/l	#	92
58) 4-Methyl-2-Pentanone	10.447	43	72827	23.145	ug/l		97
59) 2-Hexanone	11.194	43	51606	22.071	ug/l		97
61) Tetrachloroethene	11.100	164	10061	5.266	ug/l		93
62) Toluene	10.629	91	49743	5.030	ug/l		97
64) Chlorobenzene	11.888	112	31991	5.199	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.965	131	10606	4.961	ug/l		98
66) Ethyl Benzene	11.965	91	48285	4.494	ug/l		99
67) m/p-Xylenes	12.070	106	36802	9.030	ug/l		99
68) o-Xylene	12.400	106	18036	4.591	ug/l		94
69) Styrene	12.412	104	29815	4.421	ug/l		97
70) Isopropylbenzene	12.694	105	44677	4.455	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	15289	4.928	ug/l		99
72) 1,2,3-Trichloropropane	12.988	75	18996	7.159	ug/l		59
73) Bromobenzene	12.982	156	11720	4.826	ug/l		97
74) n-propylbenzene	13.035	91	52955	4.431	ug/l		98
75) 2-Chlorotoluene	13.123	91	34704	4.673	ug/l		98
76) 1,3,5-Trimethylbenzene	13.176	105	37234	4.410	ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	4820	4.245	ug/l		83
78) 4-Chlorotoluene	13.217	91	35132	4.653	ug/l		97
79) tert-butylbenzene	13.435	119	31579	4.384	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	37927	4.427	ug/l		95
81) sec-Butylbenzene	13.612	105	42859	4.321	ug/l		99
82) p-Isopropyltoluene	13.729	119	36191	4.335	ug/l		100
83) 1,3-Dichlorobenzene	13.735	146	21112	4.675	ug/l		95
84) 1,4-Dichlorobenzene	13.812	146	22118	4.932	ug/l		97
85) n-Butylbenzene	14.053	91	29988	4.148	ug/l		98
86) Hexachloroethane	14.335	117	7779	4.837	ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	21047	4.820	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	2761	4.352	ug/l		94
89) 1,2,4-Trichlorobenzene	15.841	180	10483	4.618	ug/l		99
90) Hexachlorobutadiene	15.500	225	6201	5.904	ug/l		98
91) Naphthalene	15.641	128	30757	3.998	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	10483	4.618	ug/l		99

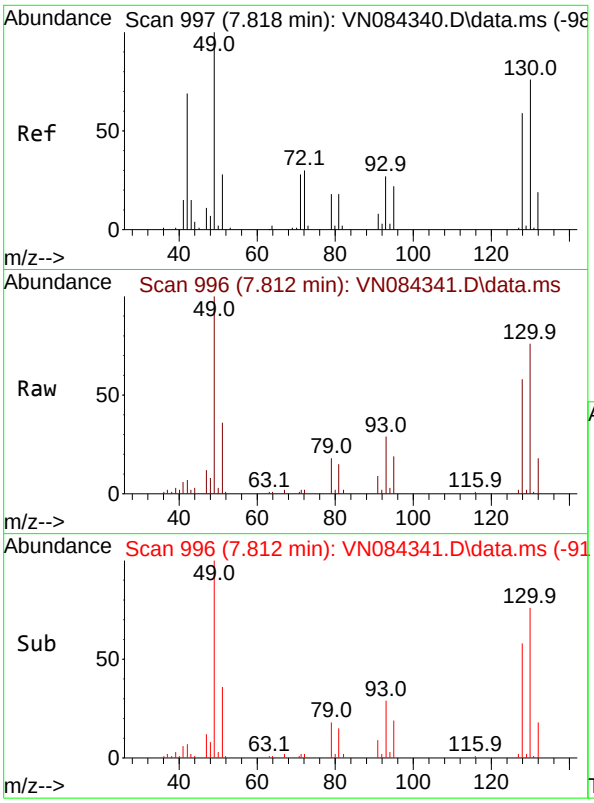
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084341.D
Acq On : 08 Oct 2024 11:19
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 09 02:09:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:04:33 2024
Response via : Initial Calibration



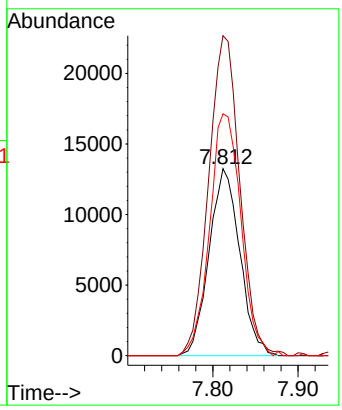


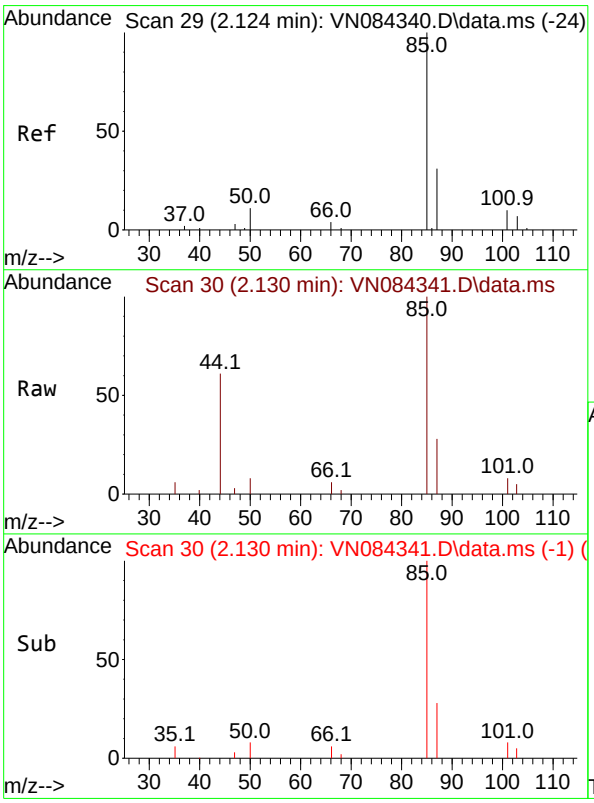
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 33135

Ion	Ratio	Lower	Upper
128	100		
49	173.7	0.0	430.0
130	131.7	0.0	329.8

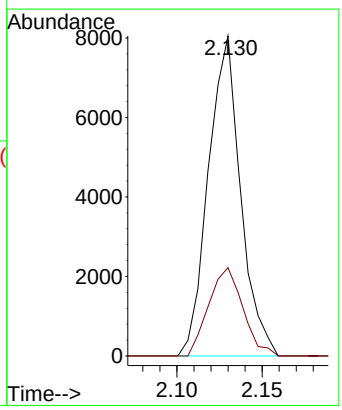


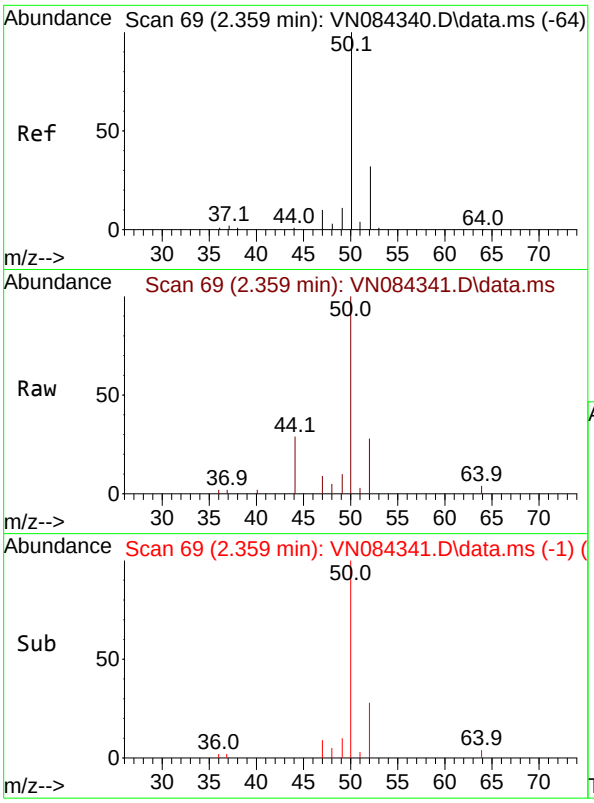


#2
Dichlorodifluoromethane
Concen: 5.236 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 85 Resp: 10592

Ion	Ratio	Lower	Upper
85	100		
87	27.6	15.4	46.4



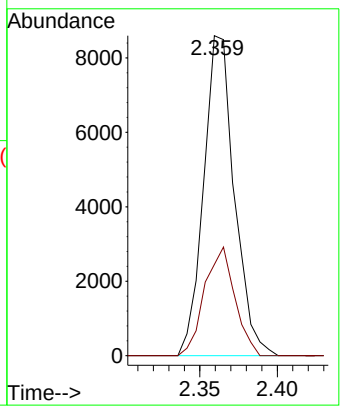


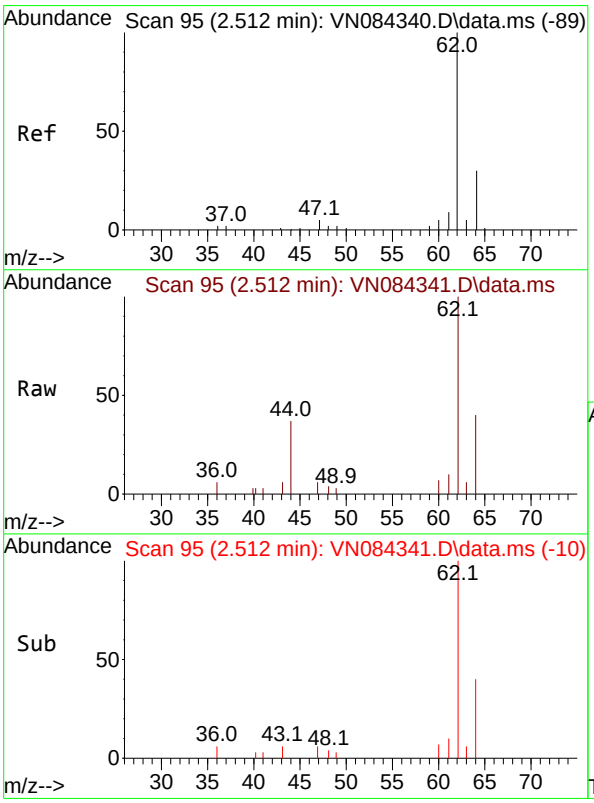
#3
Chloromethane
Concen: 5.153 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 11862

Ion	Ratio	Lower	Upper
50	100		
52	28.5	25.8	38.6

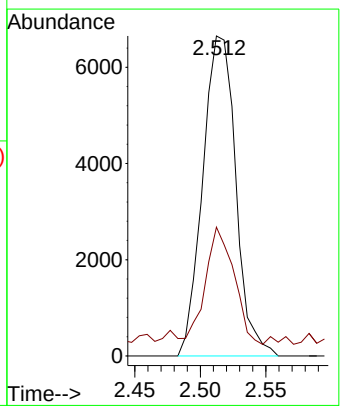


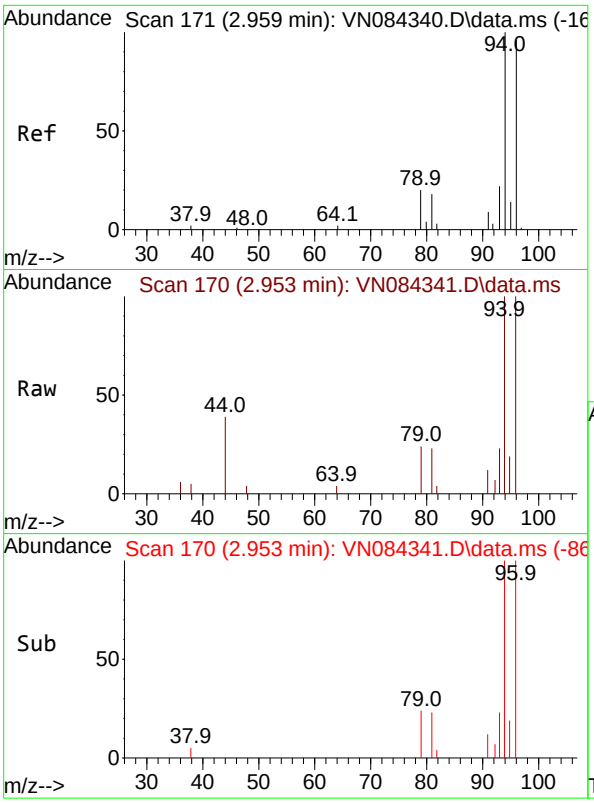


#4
Vinyl Chloride
Concen: 5.169 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 62 Resp: 11670

Ion	Ratio	Lower	Upper
62	100		
64	35.9	24.3	36.5



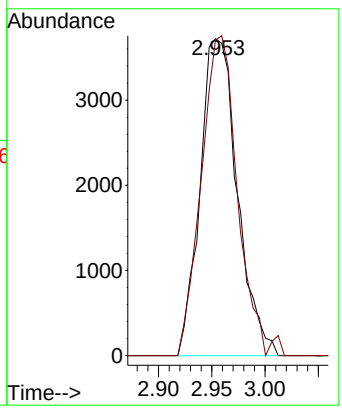


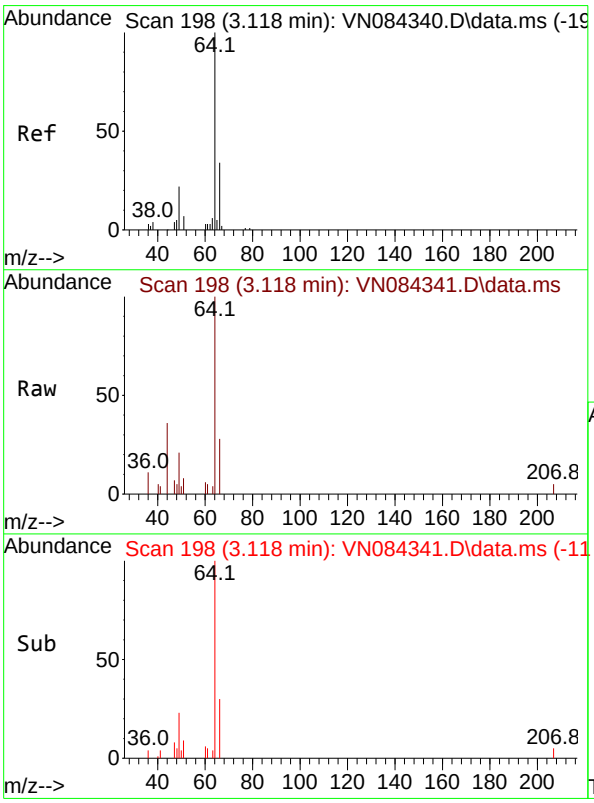
#5
Bromomethane
Concen: 6.035 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9027

Ion	Ratio	Lower	Upper
94	100		
96	99.5	76.7	115.1

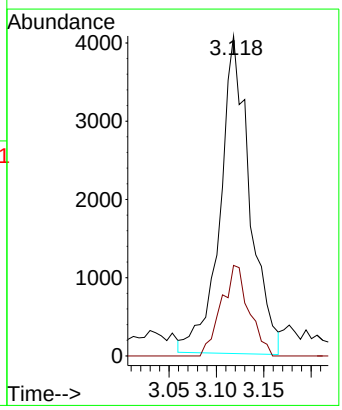


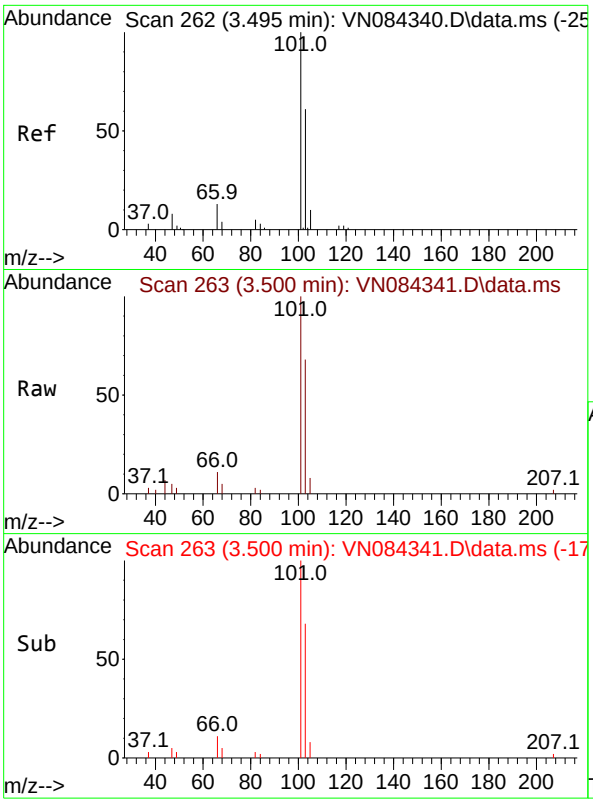


#6
Chloroethane
Concen: 5.997 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 64 Resp: 8876

Ion	Ratio	Lower	Upper
64	100		
66	29.7	27.7	41.5



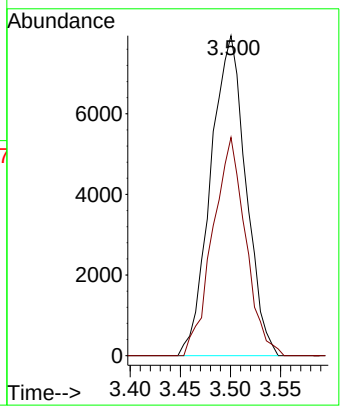


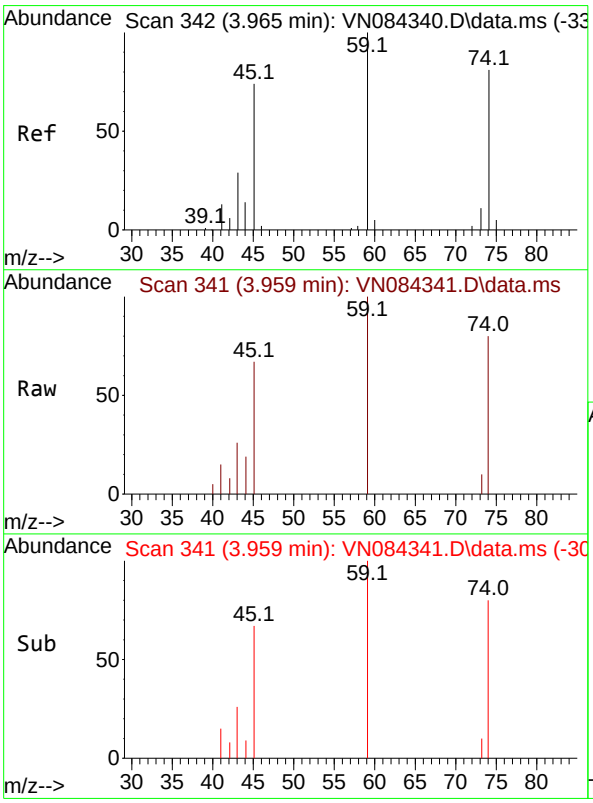
#7
Trichlorofluoromethane
Concen: 5.264 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 19359

Ion	Ratio	Lower	Upper
101	100		
103	68.2	49.0	73.6

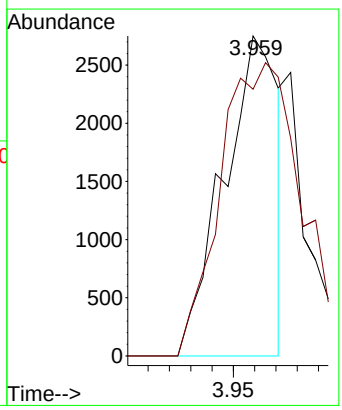


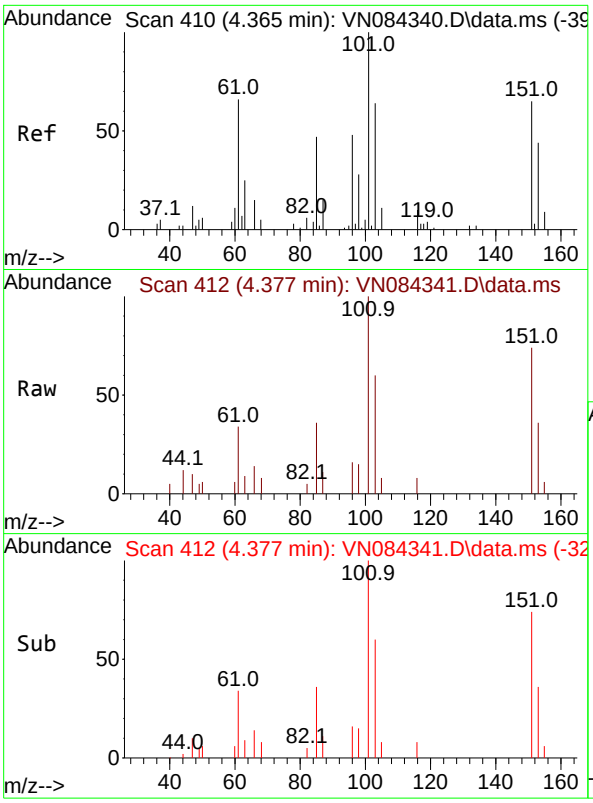


#8
Diethyl Ether
Concen: 3.594 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 74 Resp: 4859

Ion	Ratio	Lower	Upper
74	100		
45	65.1	19.2	173.2



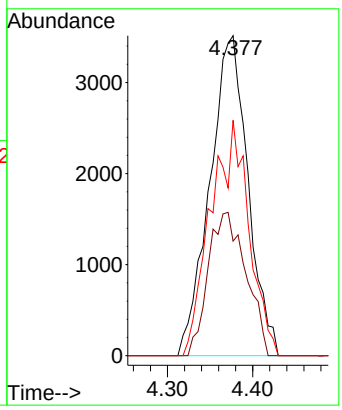


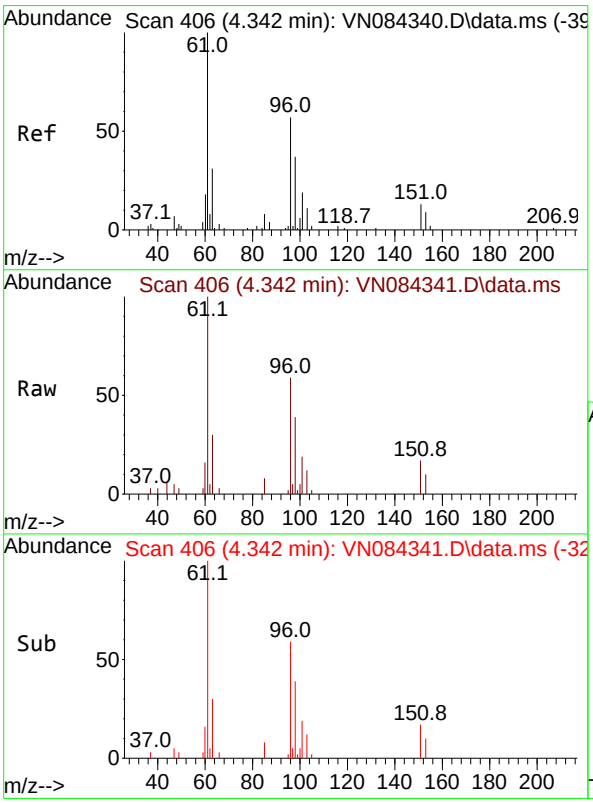
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.290 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10938

Ion	Ratio	Lower	Upper
101	100		
85	44.3	0.0	93.6
151	35.8	0.0	151.8

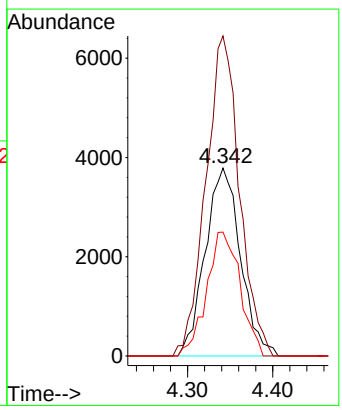


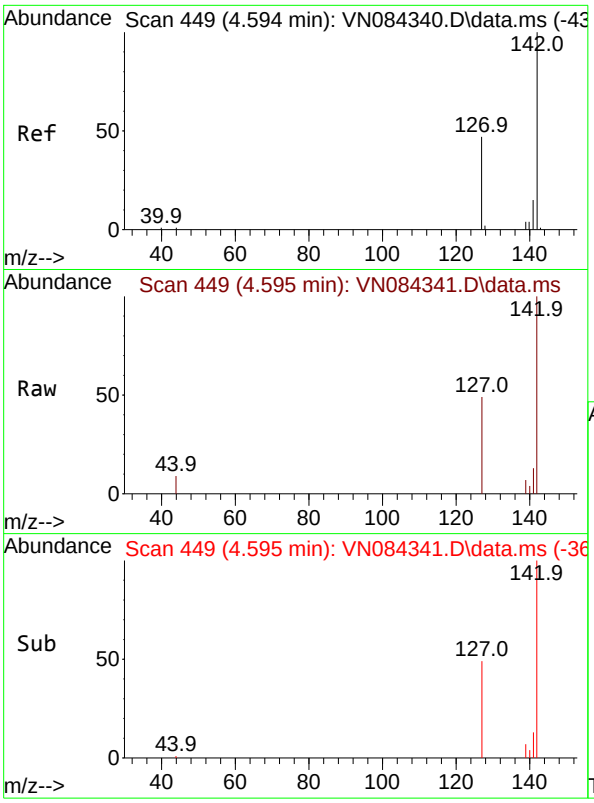


#10
1,1-Dichloroethene
Concen: 5.275 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 96 Resp: 10884

Ion	Ratio	Lower	Upper
96	100		
61	170.4	140.8	211.2
98	66.0	52.2	78.2



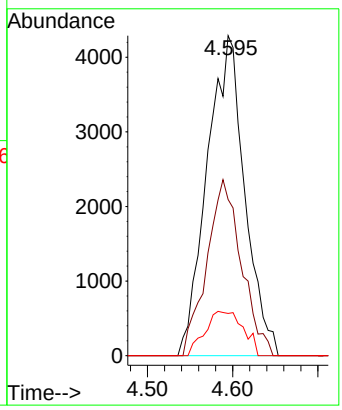


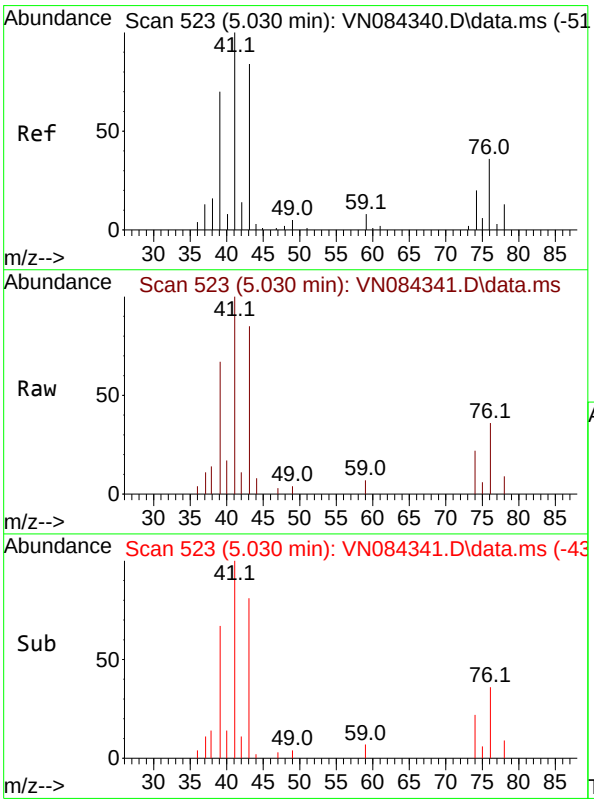
#11
Methyl Iodide
Concen: 4.845 ug/l
RT: 4.595 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:142 Resp: 13135

Ion	Ratio	Lower	Upper
142	100		
127	48.8	23.8	71.4
141	13.2	7.4	22.2

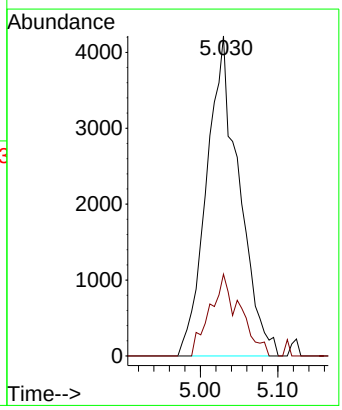


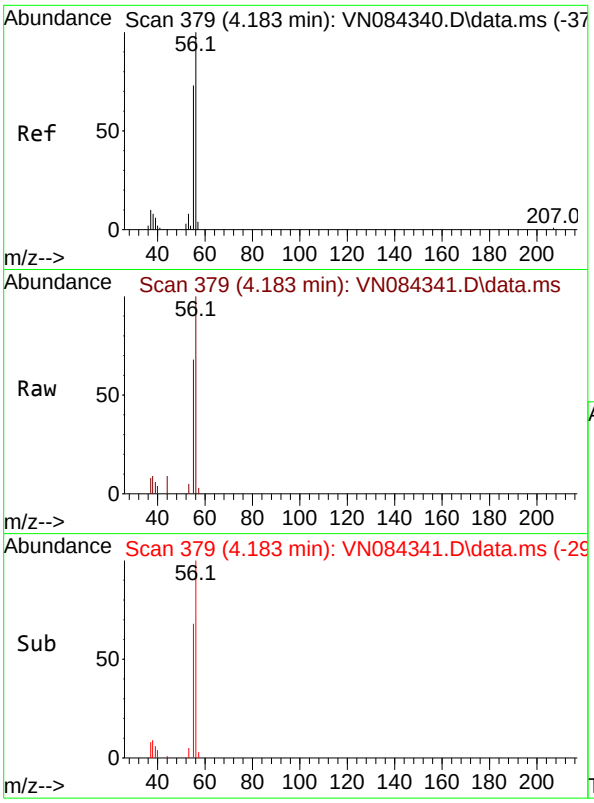


#12
Methyl Acetate
Concen: 4.748 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 12264

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.4	29.2



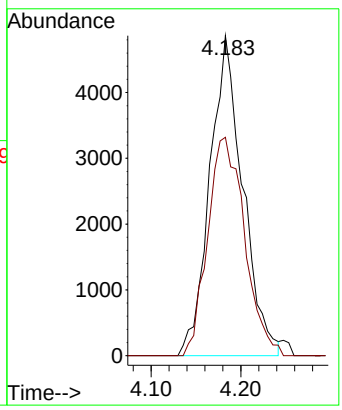


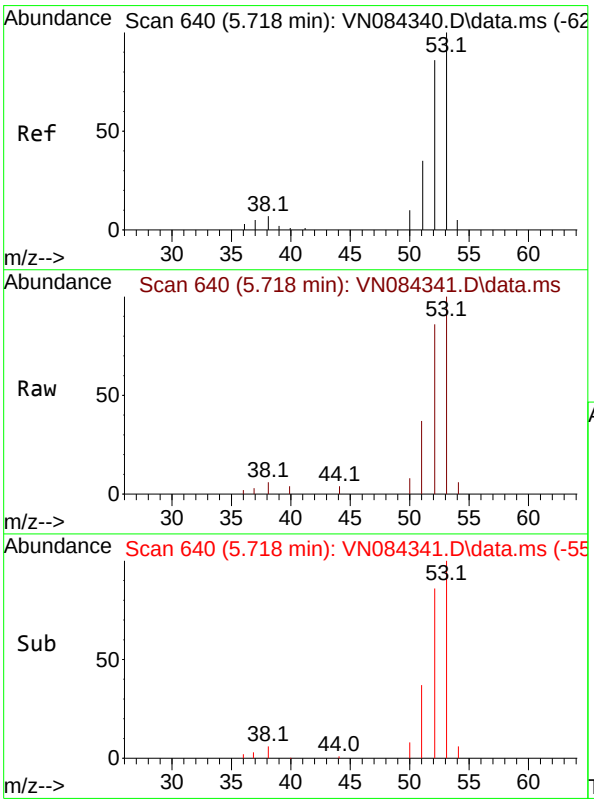
#13
Acrolein
Concen: 25.840 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 12398

Ion	Ratio	Lower	Upper
56	100		
55	76.4	56.4	84.6

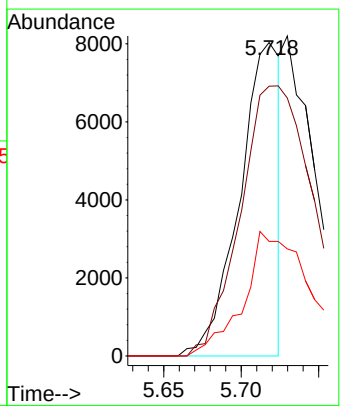


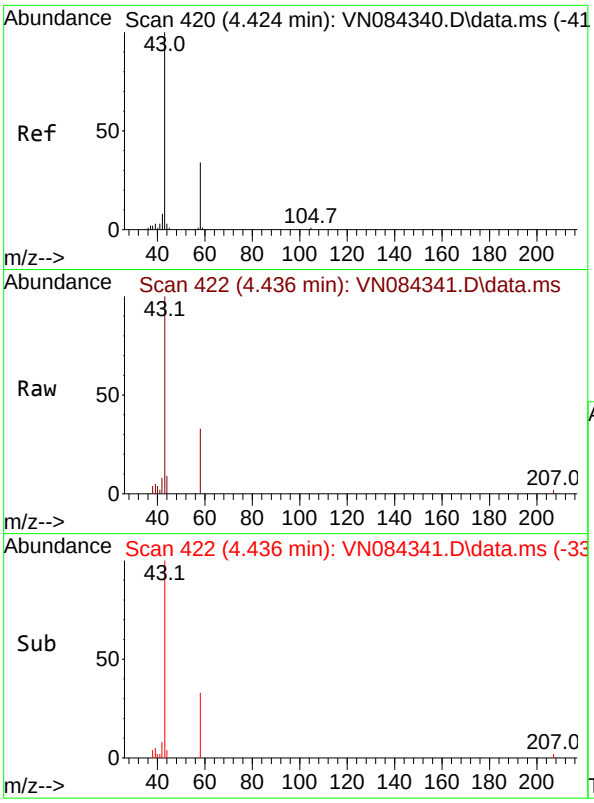


#14
Acrylonitrile
Concen: 12.555 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 53 Resp: 14569

Ion	Ratio	Lower	Upper
53	100		
52	161.5	40.4	121.2#
51	68.4	17.8	53.4#



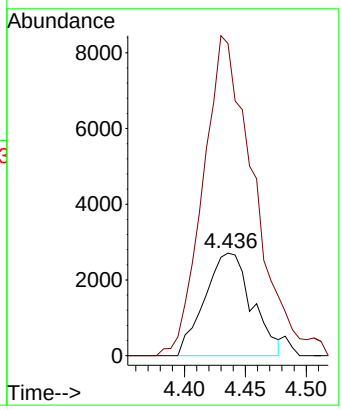


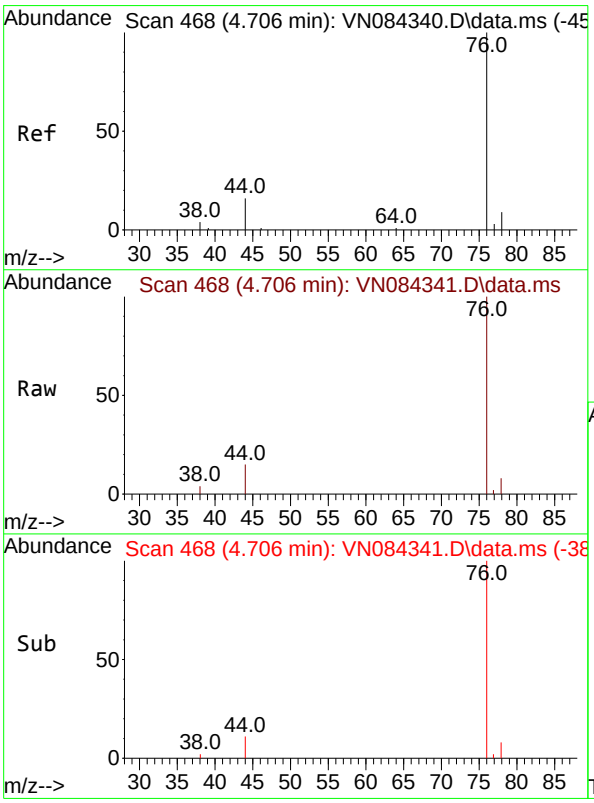
#15
Acetone
Concen: 22.077 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 58 Resp: 7318

Ion	Ratio	Lower	Upper
58	100		
43	285.9	237.5	356.3

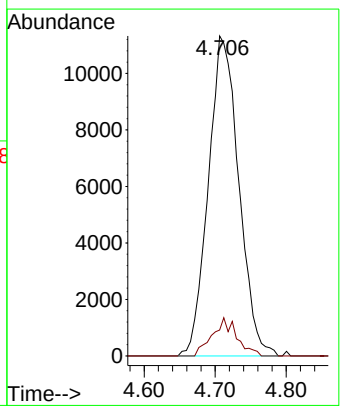


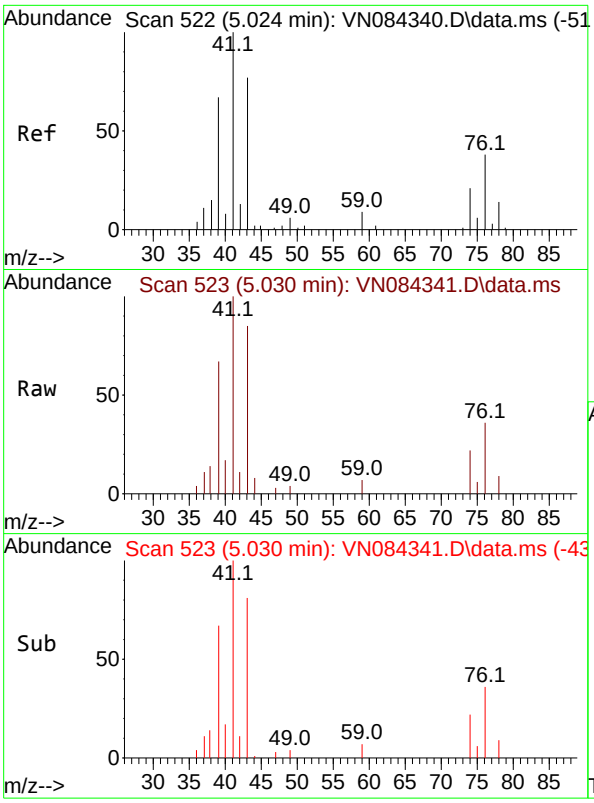


#16
Carbon Disulfide
Concen: 5.489 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 76 Resp: 33723

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.1	10.7



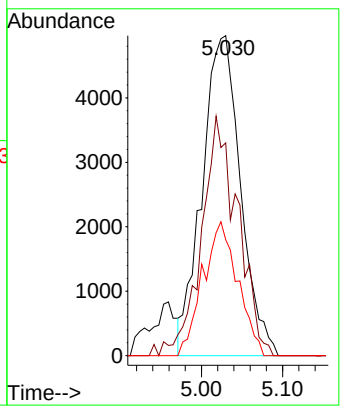


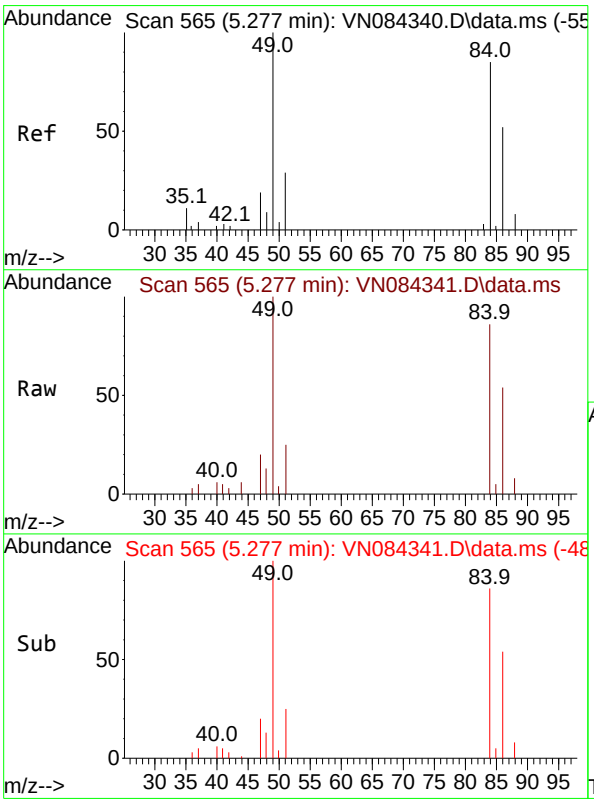
#17
Allyl chloride
Concen: 4.891 ug/l
RT: 5.030 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 16359

Ion	Ratio	Lower	Upper
41	100		
39	66.5	31.4	94.3
76	36.2	17.8	53.5

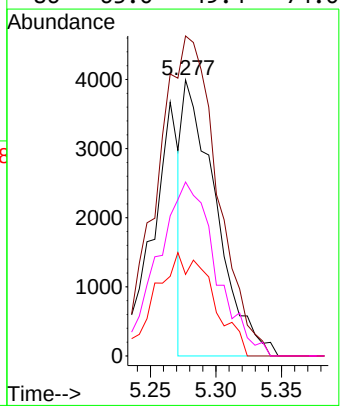


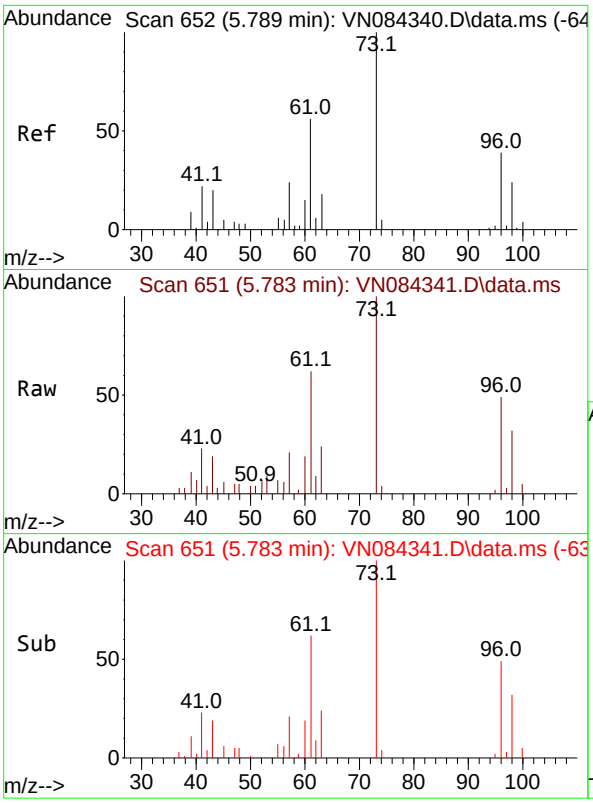


#18
Methylene Chloride
Concen: 3.033 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 84 Resp: 7050

Ion	Ratio	Lower	Upper
84	100		
49	115.9	94.6	142.0
51	29.5	27.3	40.9
86	63.0	49.4	74.0



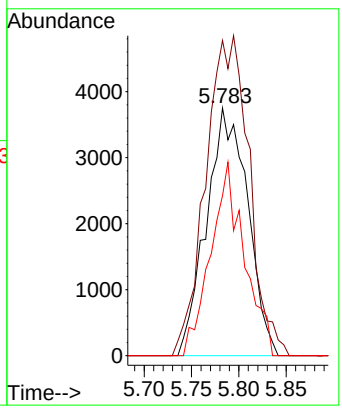


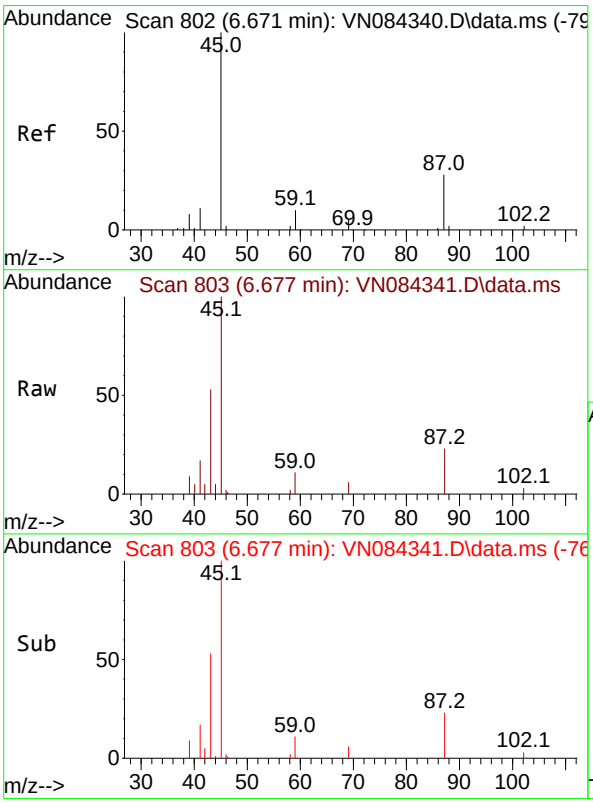
#19
trans-1,2-Dichloroethene
Concen: 5.197 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11347

Ion	Ratio	Lower	Upper
96	100		
61	121.3	115.8	173.6
98	64.6	49.4	74.0

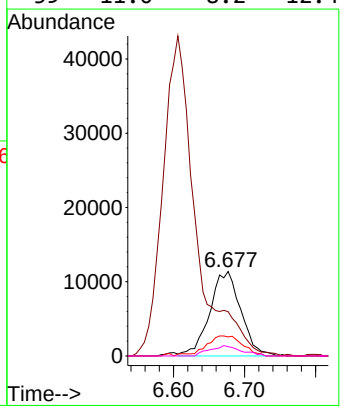


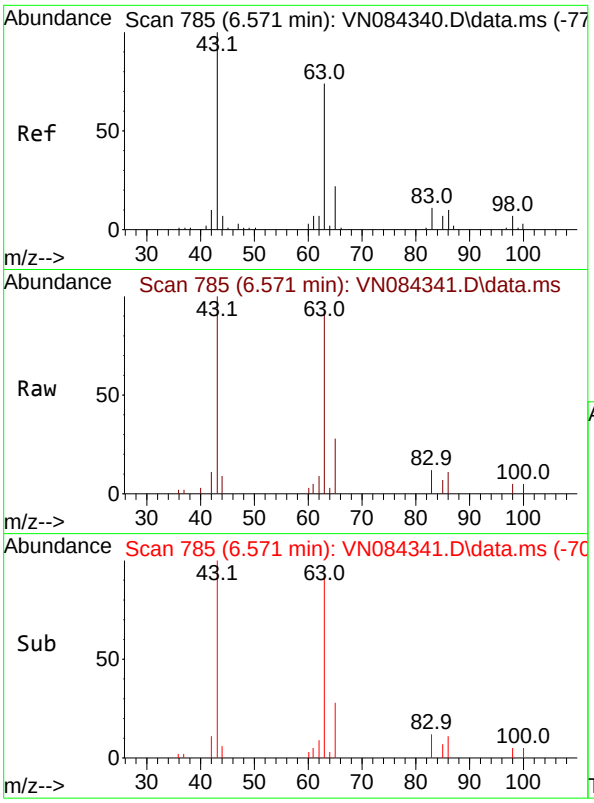


#20
Diisopropyl ether
Concen: 4.805 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 45 Resp: 34552

Ion	Ratio	Lower	Upper
45	100		
43	50.6	43.7	65.5
87	22.5	23.1	34.7#
59	11.0	8.2	12.4



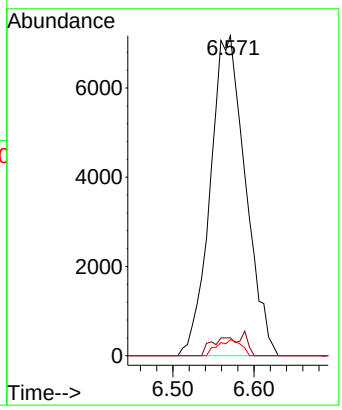


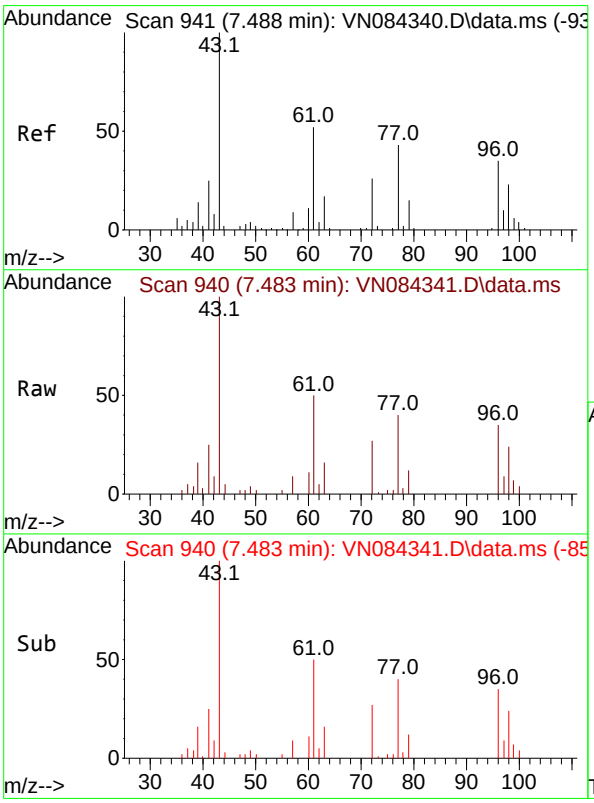
#21
1,1-Dichloroethane
Concen: 5.231 ug/l
RT: 6.571 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 21583

Ion	Ratio	Lower	Upper
63	100		
98	5.6	4.5	13.4
100	5.0	2.1	6.3

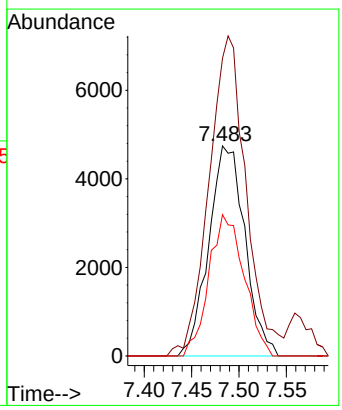


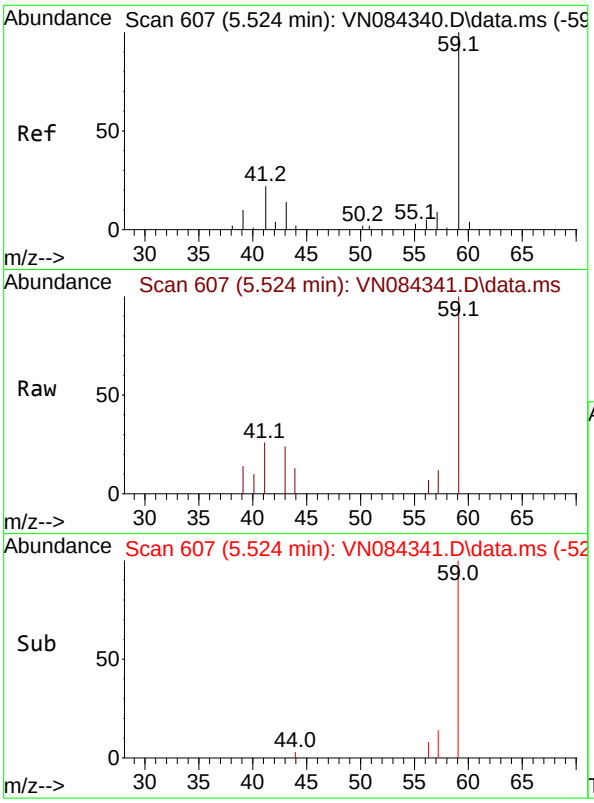


#22
cis-1,2-Dichloroethene
Concen: 4.963 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 96 Resp: 12611

Ion	Ratio	Lower	Upper
96	100		
61	154.6	118.0	177.0
98	65.5	51.8	77.8



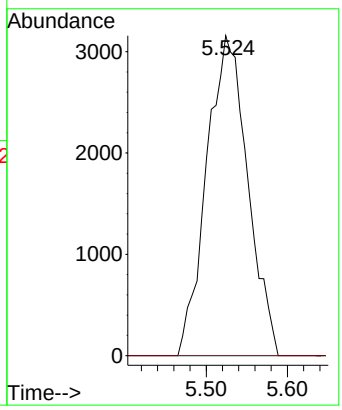


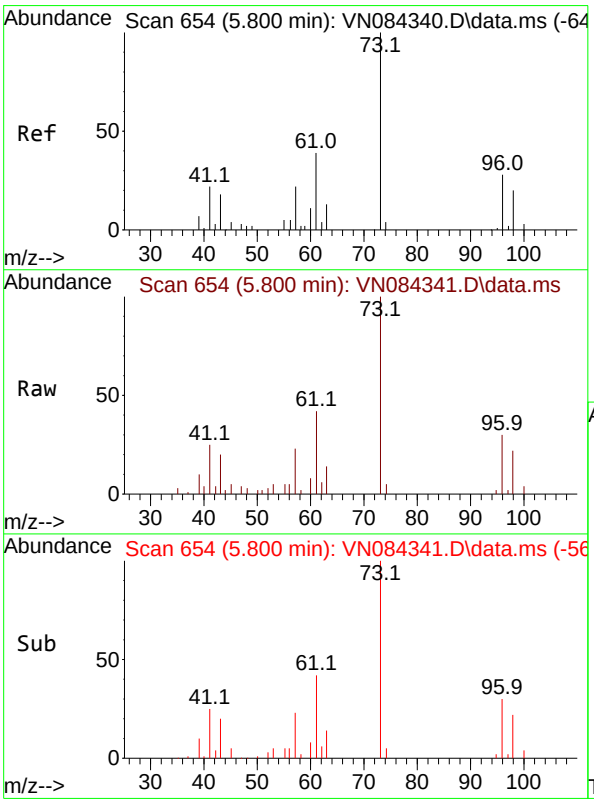
#23
tert-Butyl Alcohol
Concen: 24.960 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 11110

Ion	Ratio	Lower	Upper
59	100		
52	211.8	0.0	0.0#

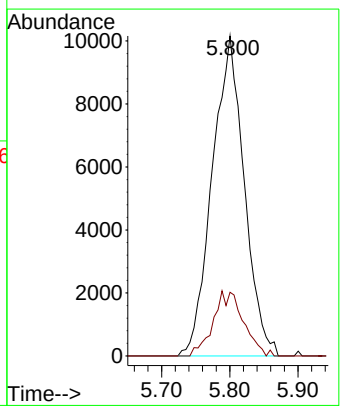


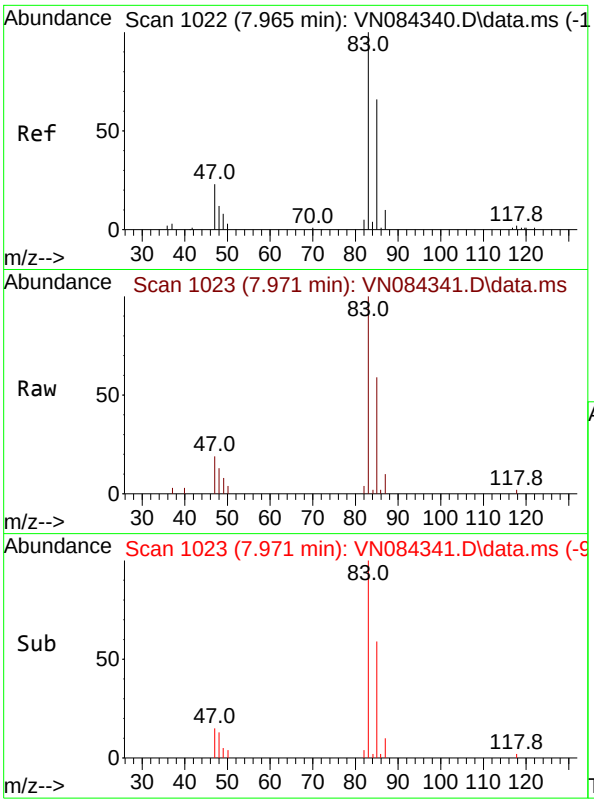


#24
Methyl tert-Butyl Ether
Concen: 4.821 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 73 Resp: 33238

Ion	Ratio	Lower	Upper
73	100		
43	9.8	10.9	16.3#



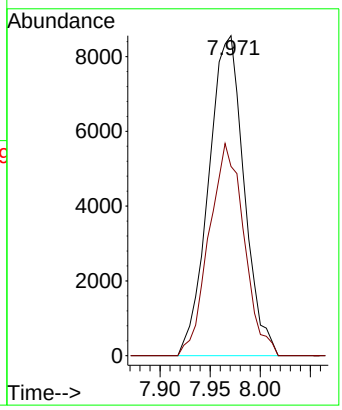


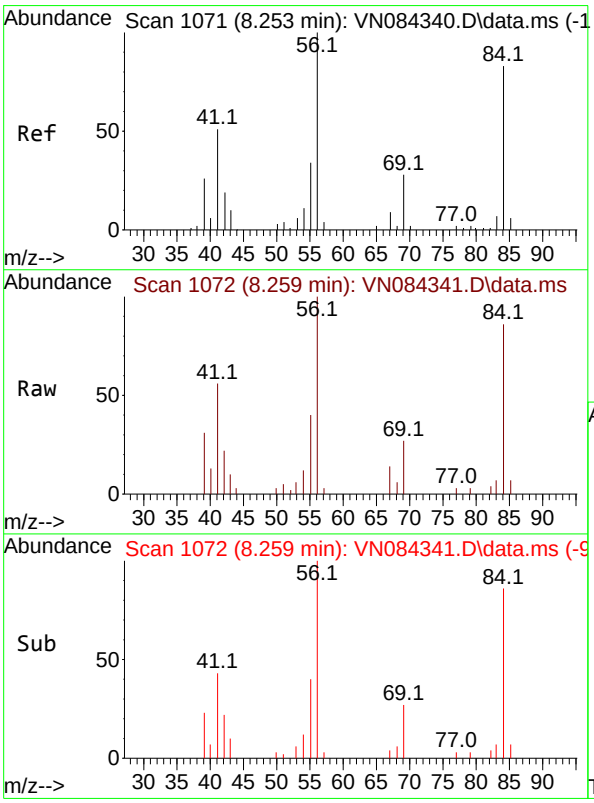
#25
Chloroform
Concen: 5.038 ug/l
RT: 7.971 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21052

Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.4	78.6

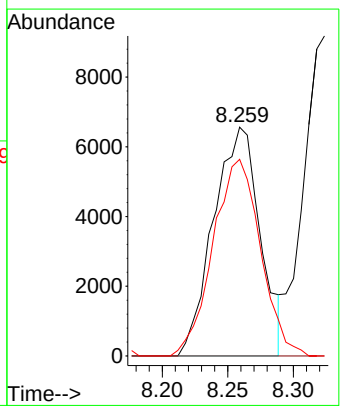


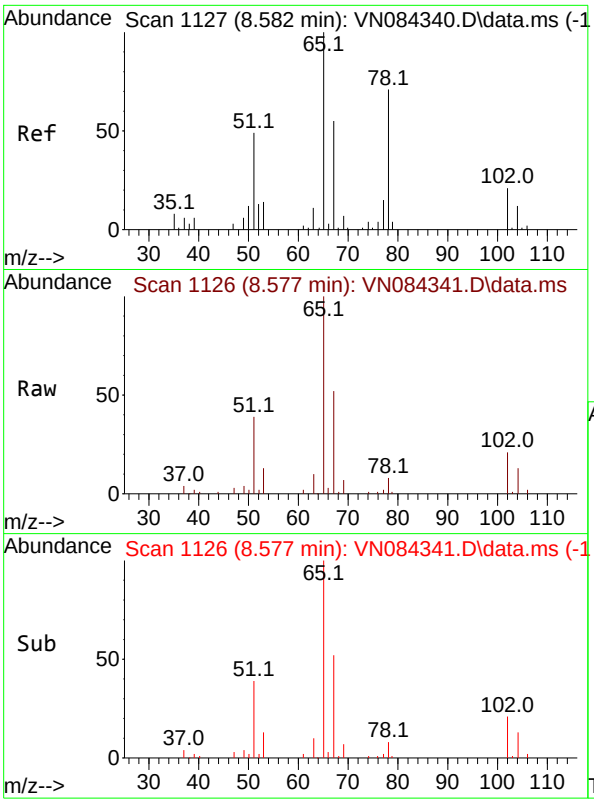


#26
Cyclohexane
Concen: 4.707 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 56 Resp: 16244

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	87.4	67.0	100.6



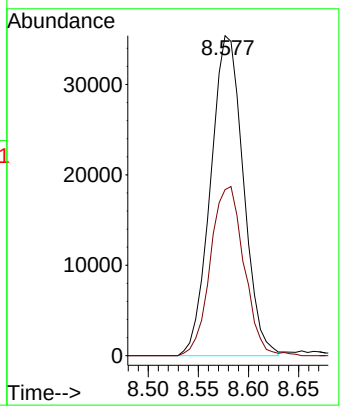


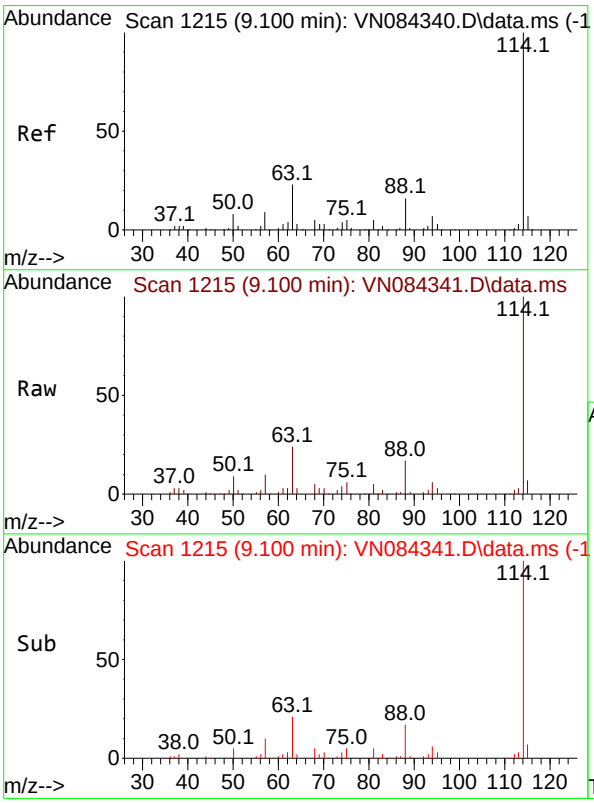
#27
1,2-Dichloroethane-d4
Concen: 30.153 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 80437

Ion	Ratio	Lower	Upper
65	100		
67	54.2	41.5	62.3

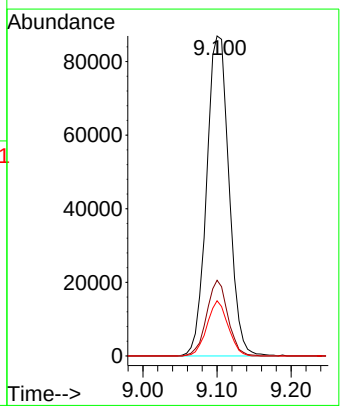


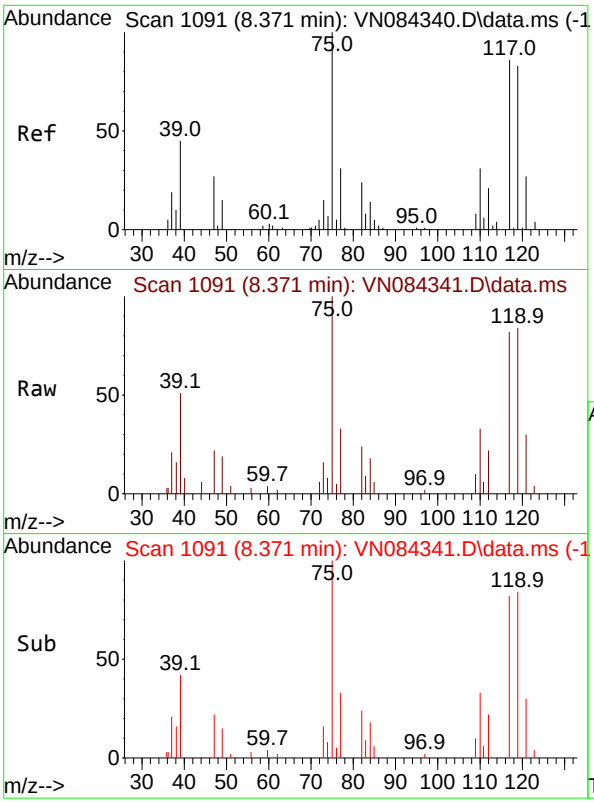


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:114 Resp: 182092

Ion	Ratio	Lower	Upper
114	100		
63	22.4	17.4	26.0
88	16.3	13.2	19.8



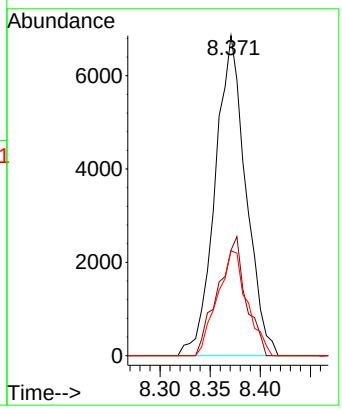


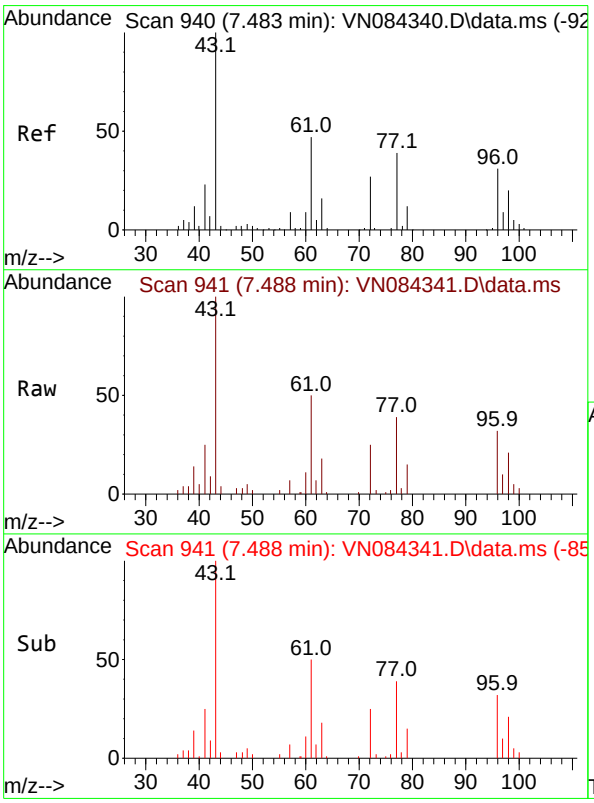
#29
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 14635

Ion	Ratio	Lower	Upper
75	100		
110	33.6	0.0	67.6
77	31.6	0.0	61.4

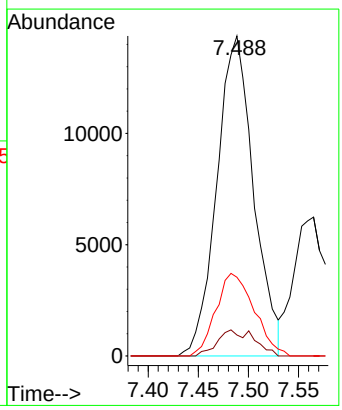


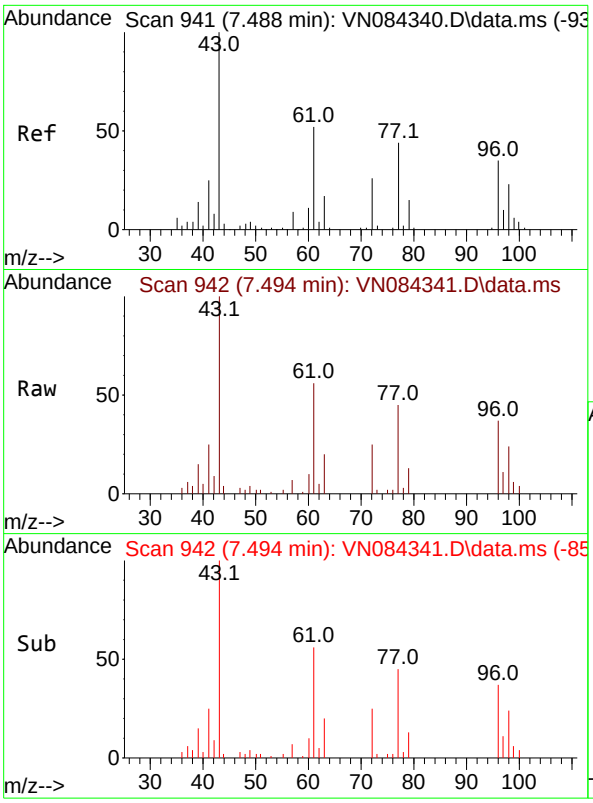


#30
2-Butanone
Concen: 23.051 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 36686

Ion	Ratio	Lower	Upper
43	100		
57	5.3	6.6	9.8#
72	26.8	21.3	31.9



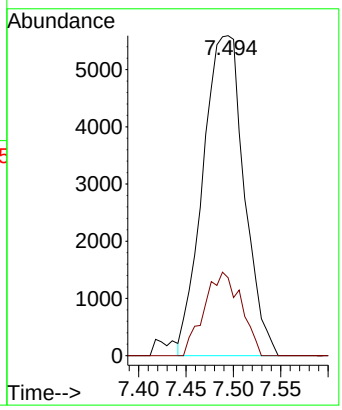


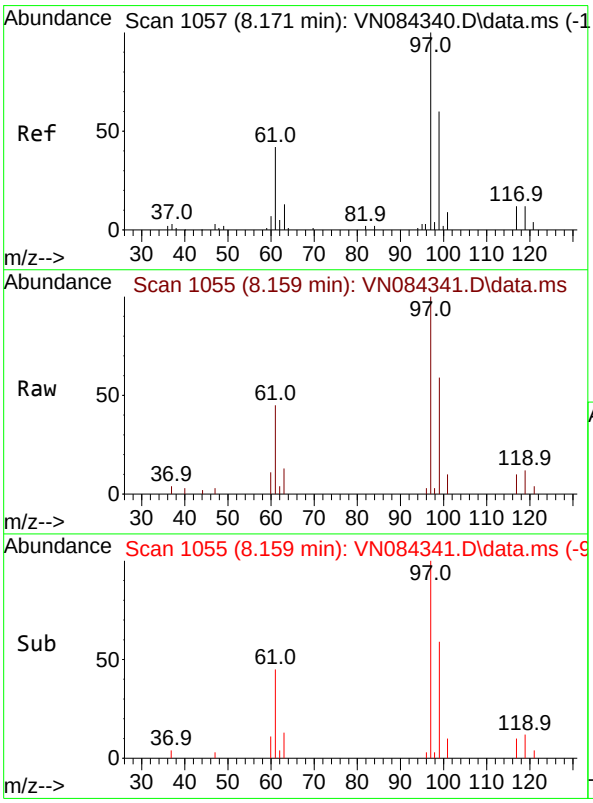
#31
2,2-Dichloropropane
Concen: 4.835 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 77 Resp: 16984

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.5	17.3#

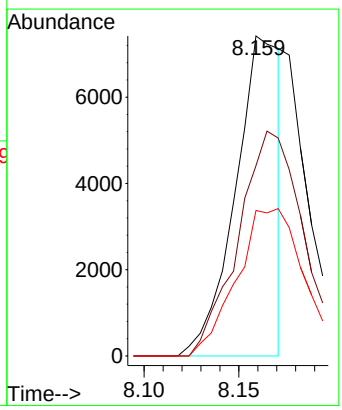


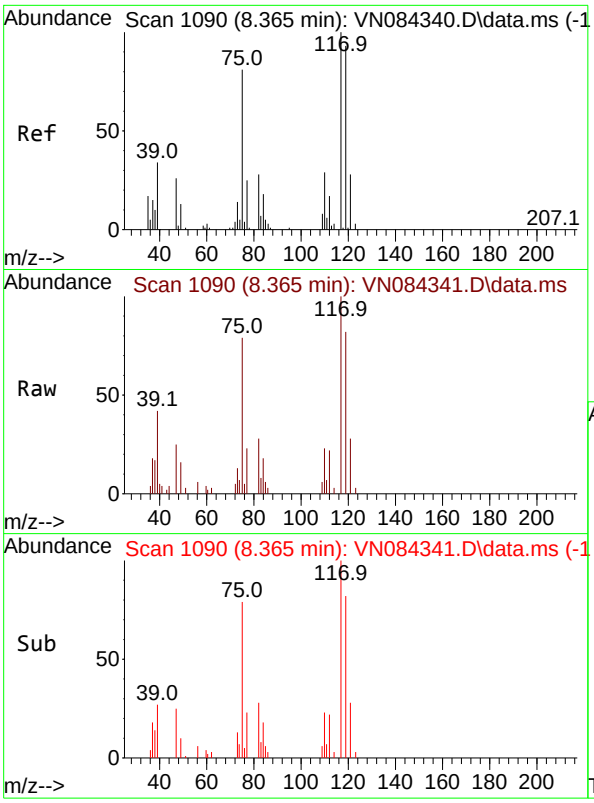


#32
1,1,1-Trichloroethane
Concen: 3.186 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 97 Resp: 12175

Ion	Ratio	Lower	Upper
97	100		
99	104.5	51.2	76.8#
61	69.9	34.1	51.1#



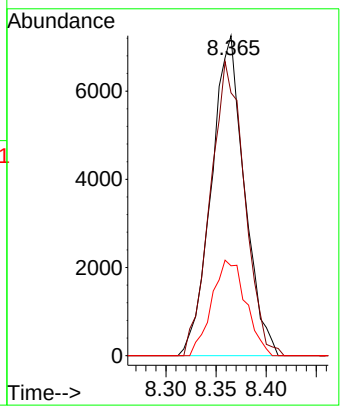


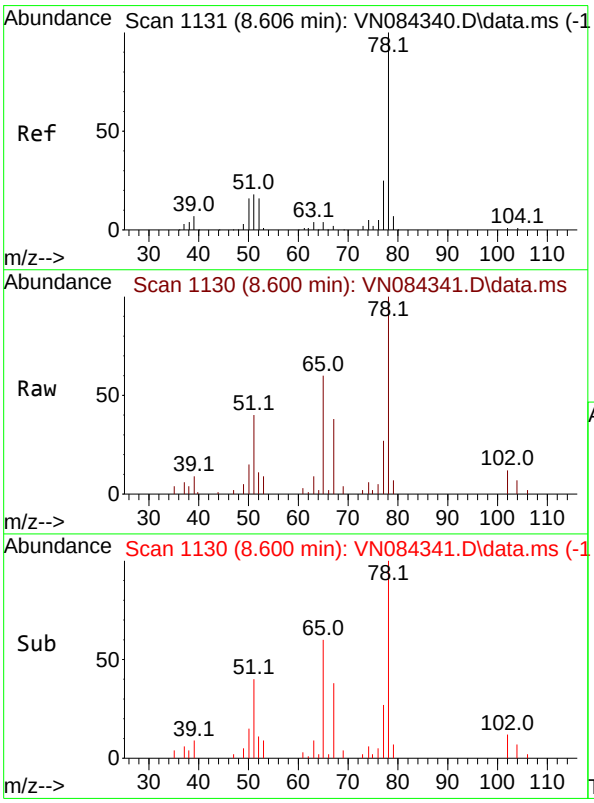
#33
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 8.365 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 16613

Ion	Ratio	Lower	Upper
117	100		
119	82.1	74.3	111.5
121	28.1	22.4	33.6

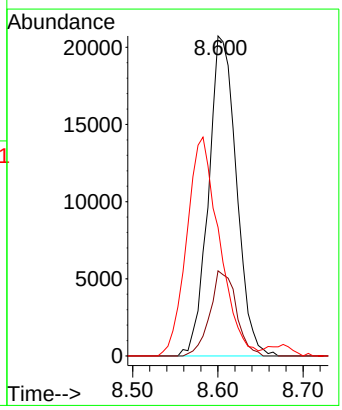


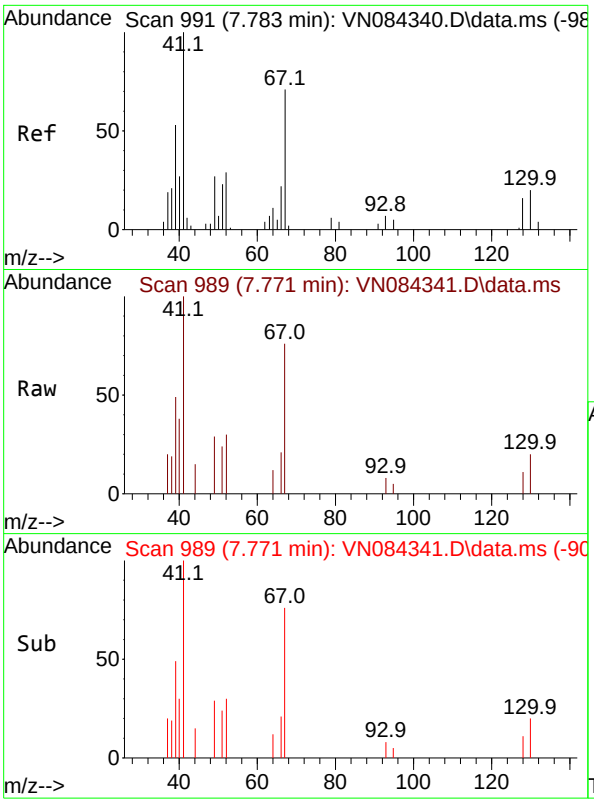


#34
Benzene
Concen: 5.045 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 78 Resp: 47206

Ion	Ratio	Lower	Upper
78	100		
77	26.6	19.6	29.4
51	37.3	15.8	23.6#



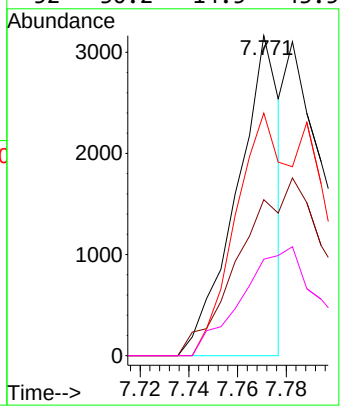


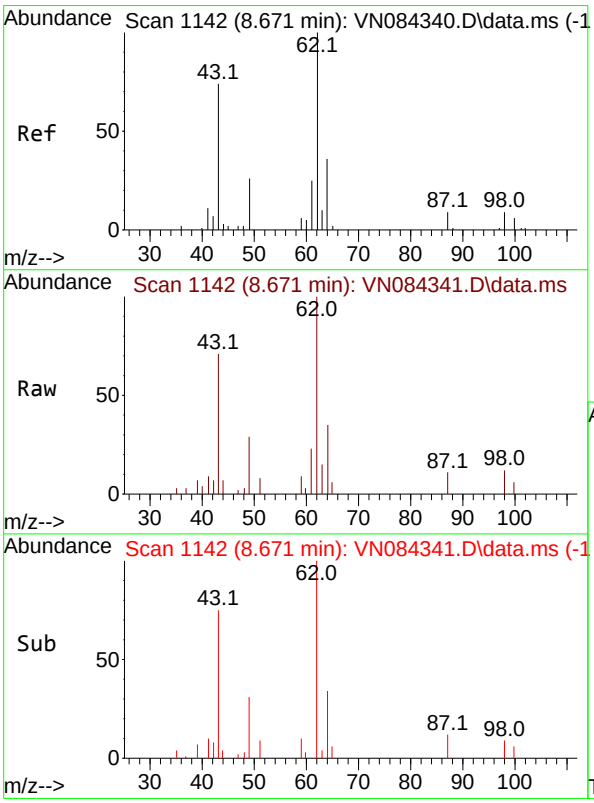
#35
Methacrylonitrile
Concen: 2.304 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 3912

Ion	Ratio	Lower	Upper
41	100		
39	48.7	26.4	79.0
67	75.8	35.7	107.1
52	30.2	14.5	43.5

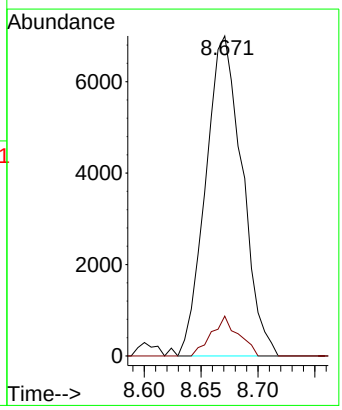


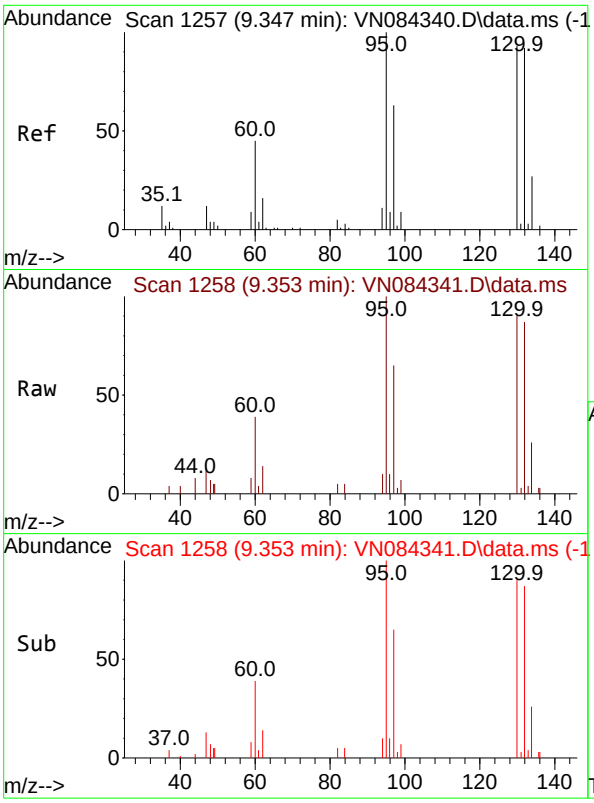


#36
1,2-Dichloroethane
Concen: 5.011 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 62 Resp: 15630

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9



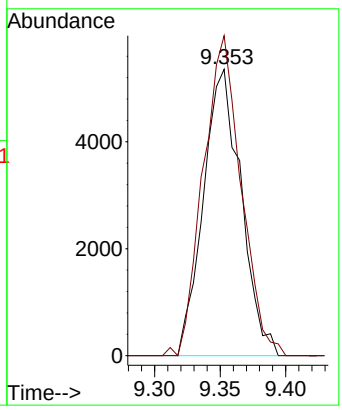


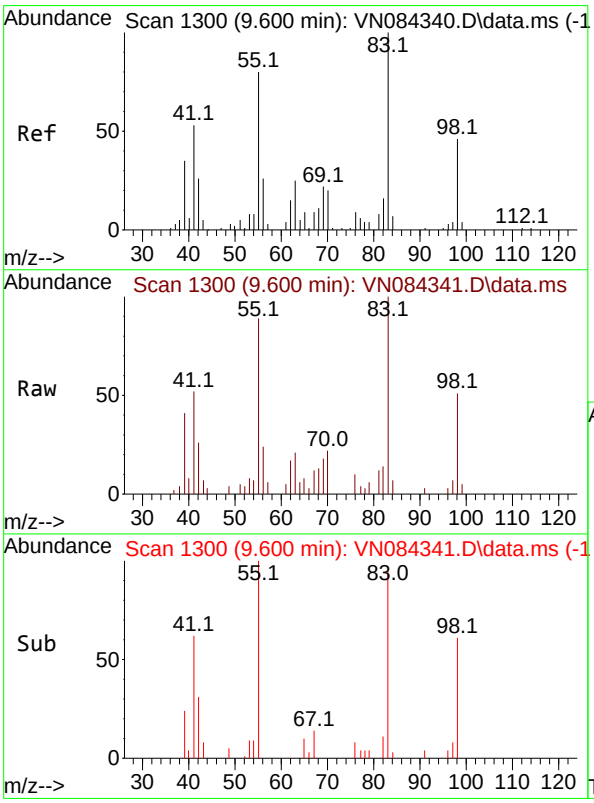
#37
Trichloroethene
Concen: 4.973 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:130 Resp: 10715

Ion	Ratio	Lower	Upper
130	100		
95	111.7	85.8	128.6

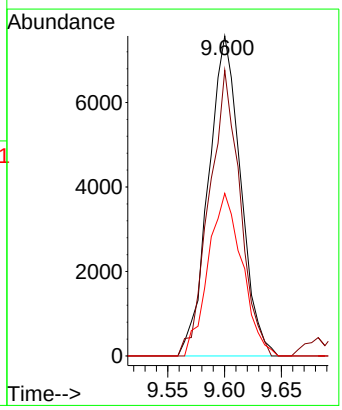


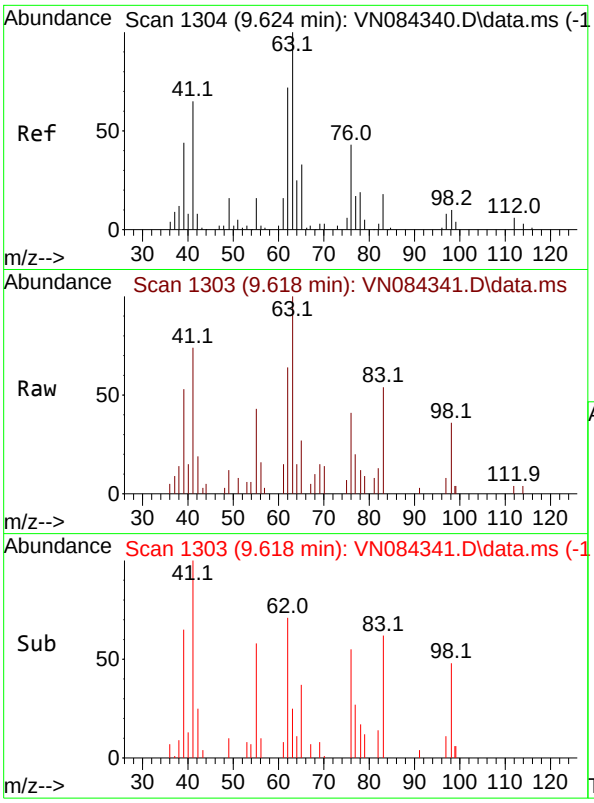


#38
Methylcyclohexane
Concen: 4.541 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 83 Resp: 14911

Ion	Ratio	Lower	Upper
83	100		
55	85.5	39.3	117.8
98	53.7	24.0	72.0



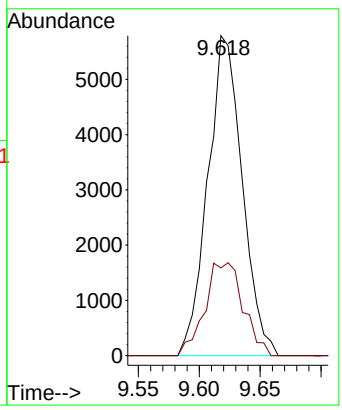


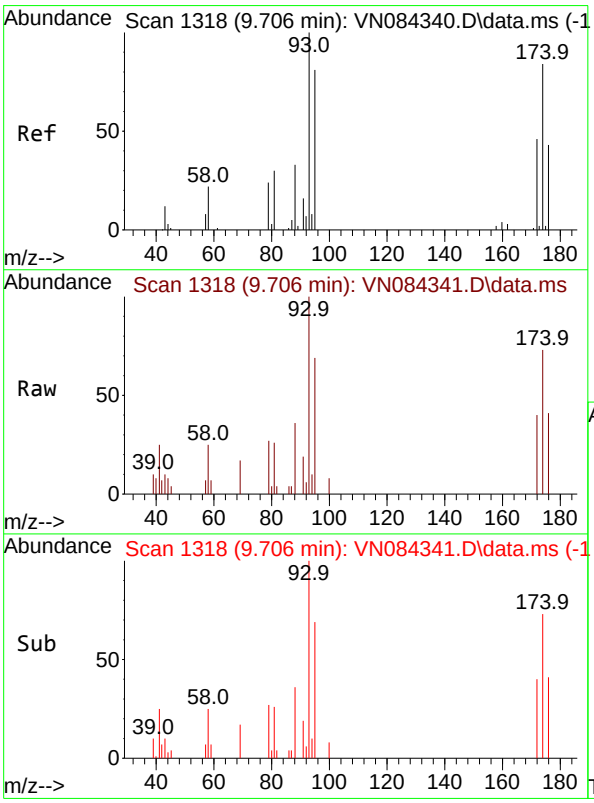
#39
1,2-Dichloropropane
Concen: 4.992 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11390

Ion	Ratio	Lower	Upper
63	100		
65	27.4	26.3	39.5

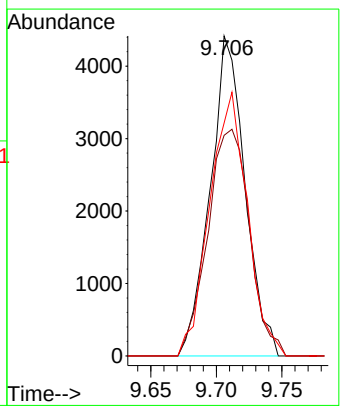


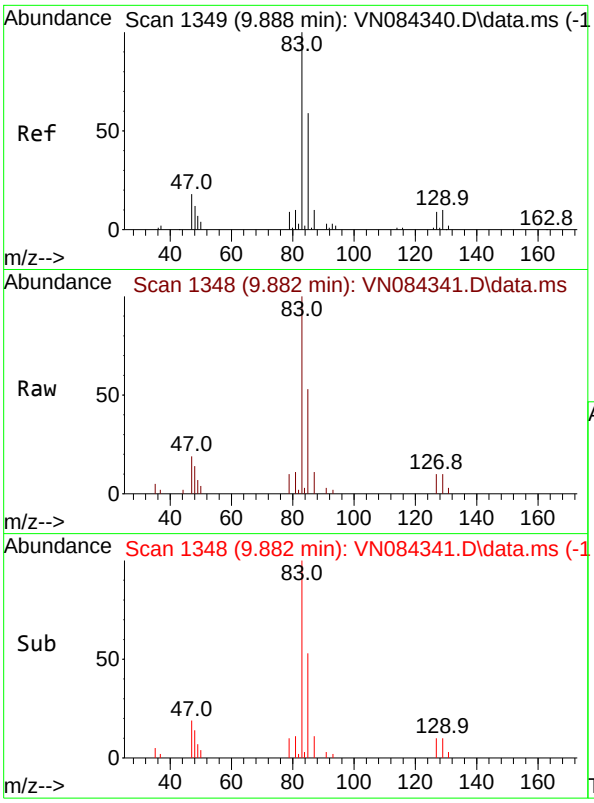


#40
Dibromomethane
Concen: 5.113 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 93 Resp: 8154

Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	171.4
174	89.5	0.0	183.0



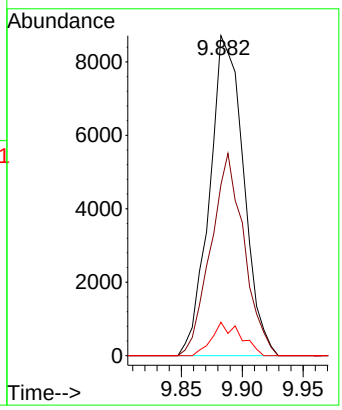


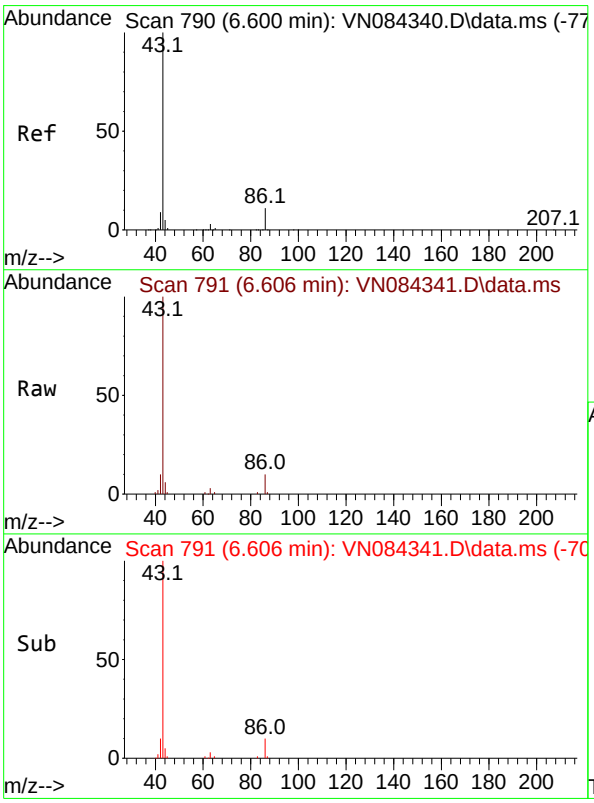
#41
Bromodichloromethane
Concen: 5.009 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 16959

Ion	Ratio	Lower	Upper
83	100		
85	53.4	47.1	70.7
127	10.4	7.1	10.7

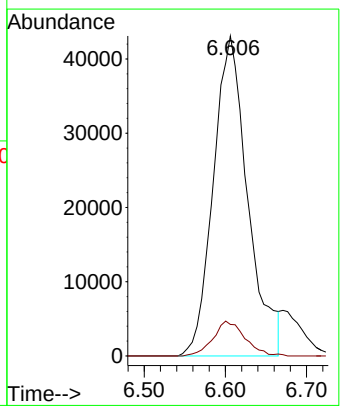


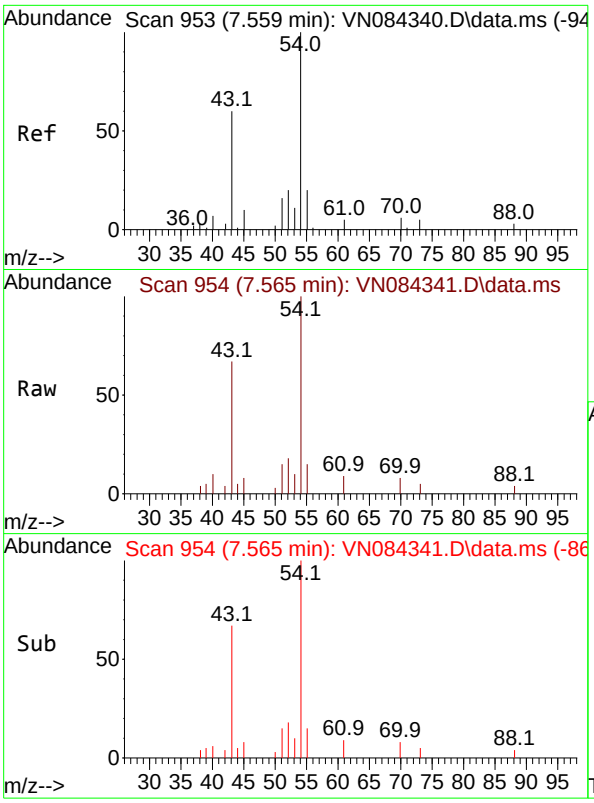


#42
Vinyl Acetate
Concen: 22.946 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 127008

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.5	12.7



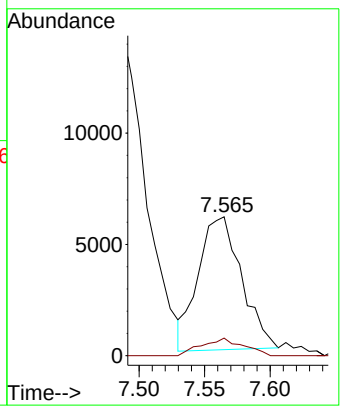


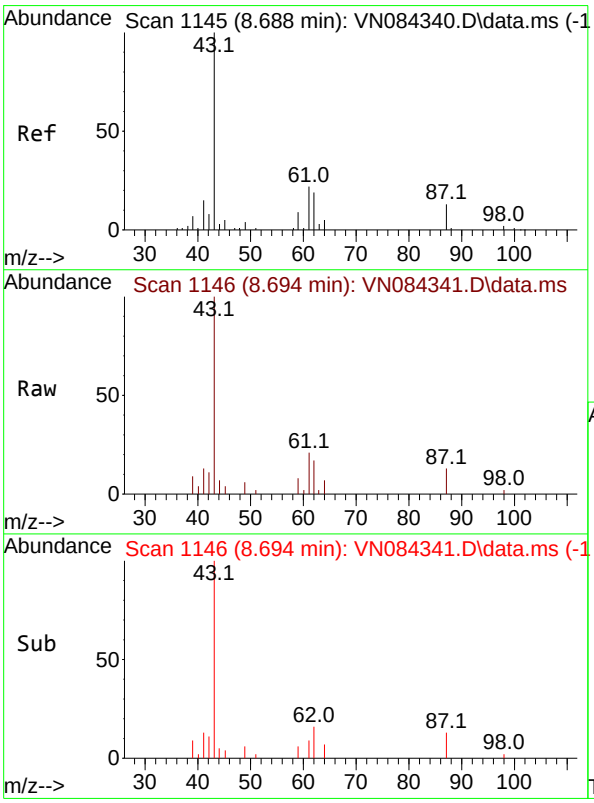
#43
Ethyl Acetate
Concen: 4.378 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13741

Ion	Ratio	Lower	Upper
43	100		
45	12.6	10.6	16.0

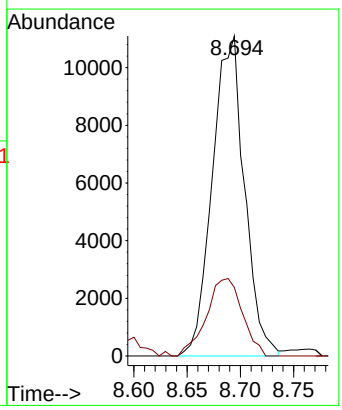


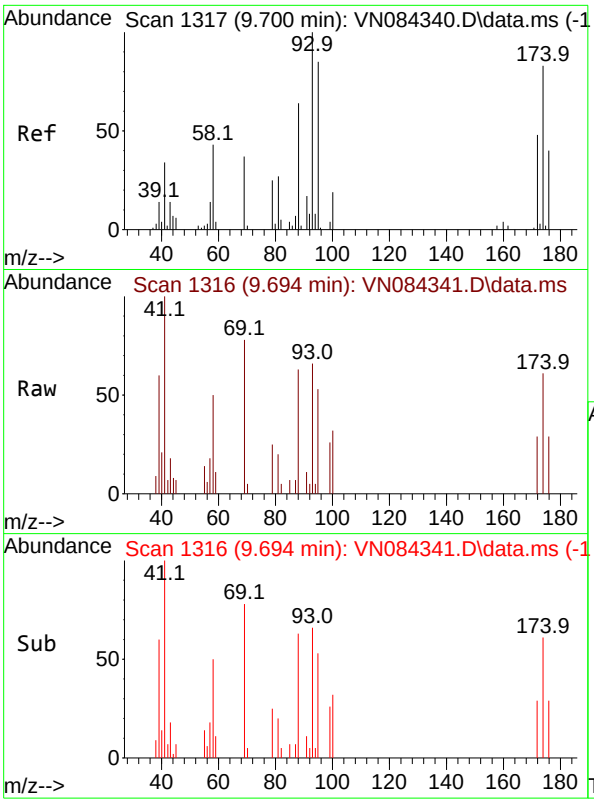


#44
Isopropyl Acetate
Concen: 4.524 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 23240

Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.4	32.2



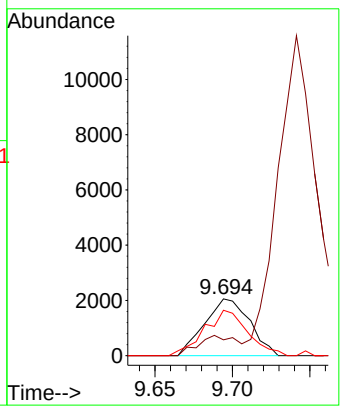


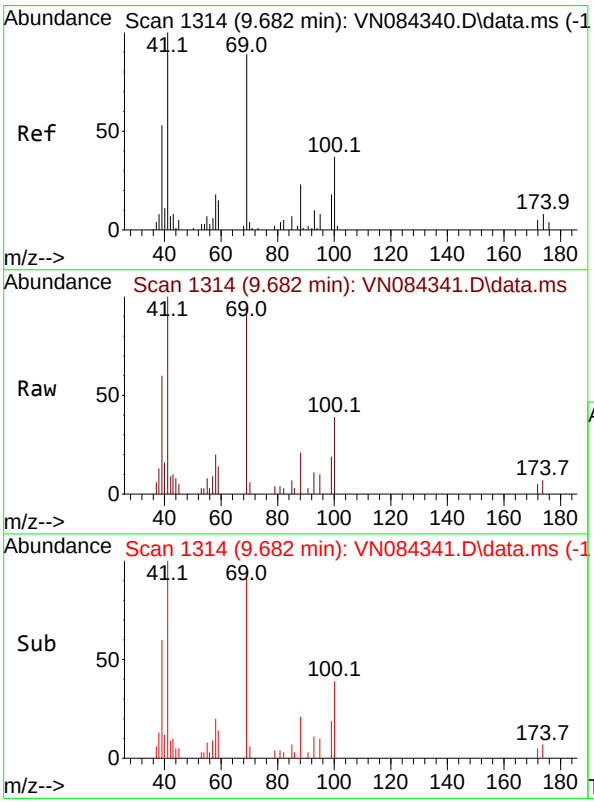
#45
1,4-Dioxane
Concen: 89.589 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 4149

Ion	Ratio	Lower	Upper
88	100		
43	30.4	22.4	33.6
58	76.9	59.7	89.5

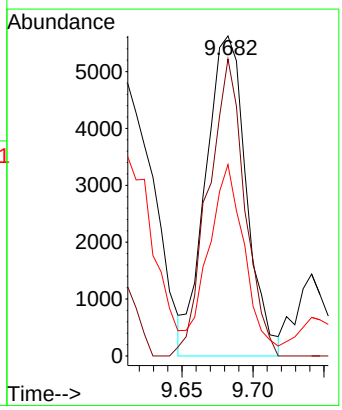


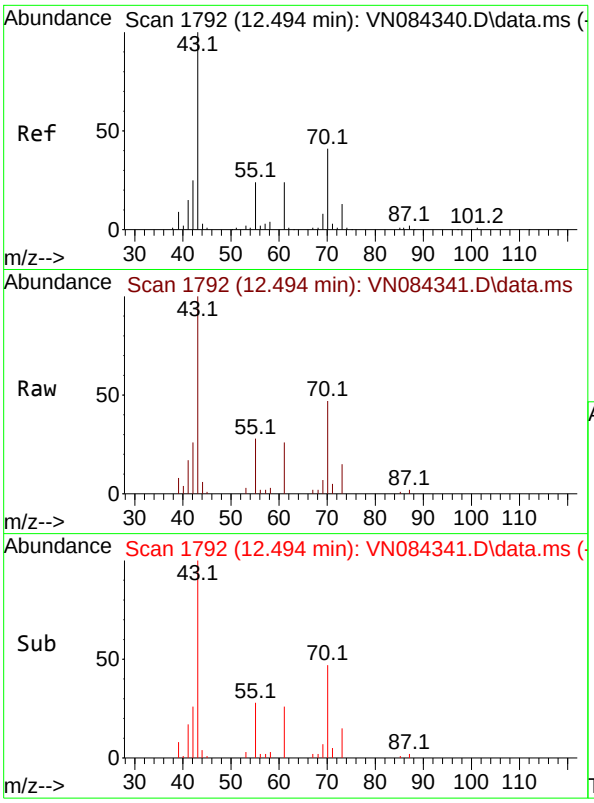


#46
Methyl methacrylate
Concen: 4.516 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 41 Resp: 11210

Ion	Ratio	Lower	Upper
41	100		
69	98.8	42.6	128.0
39	60.4	27.5	82.4



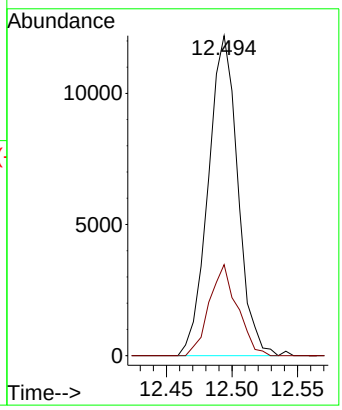


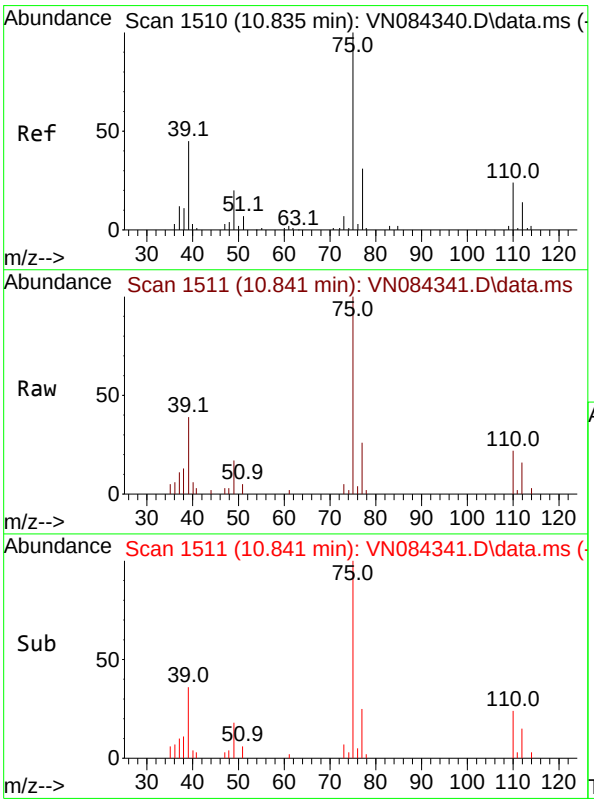
#47
n-amyl Acetate
Concen: 4.187 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19132

Ion	Ratio	Lower	Upper
43	100		
55	27.0	20.6	31.0

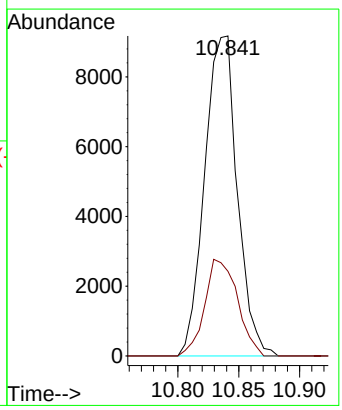


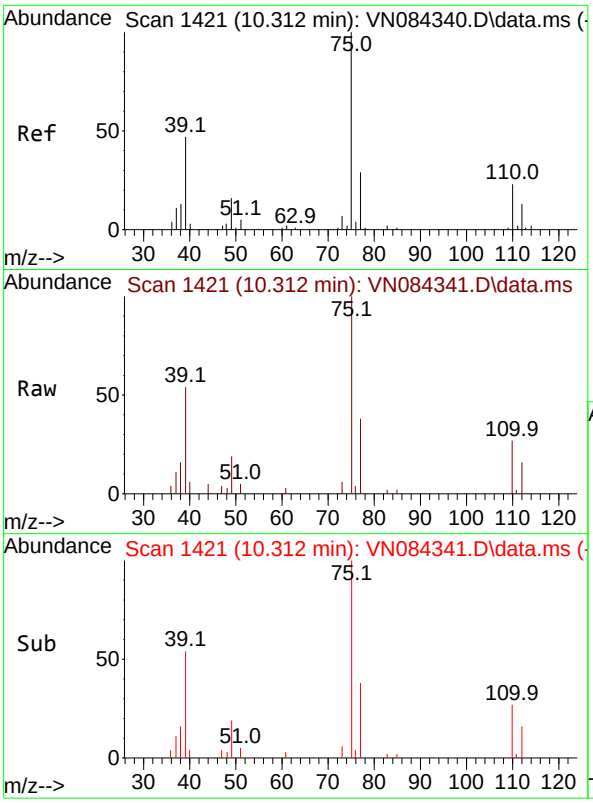


#48
t-1,3-Dichloropropene
Concen: 4.893 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 17119

Ion	Ratio	Lower	Upper
75	100		
77	26.4	24.6	37.0



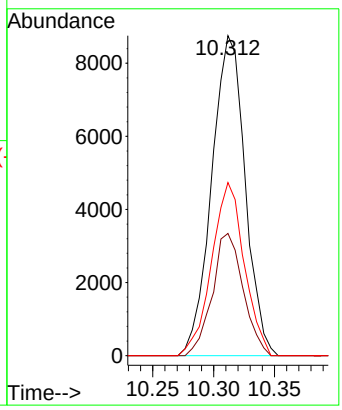


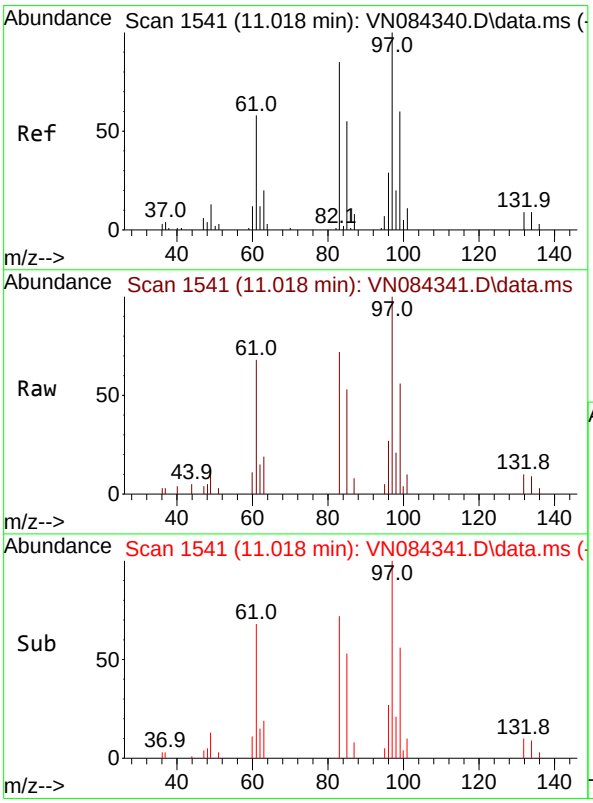
#49
cis-1,3-Dichloropropene
Concen: 4.560 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16720

Ion	Ratio	Lower	Upper
75	100		
77	38.2	22.9	34.3#
39	54.1	37.4	56.2

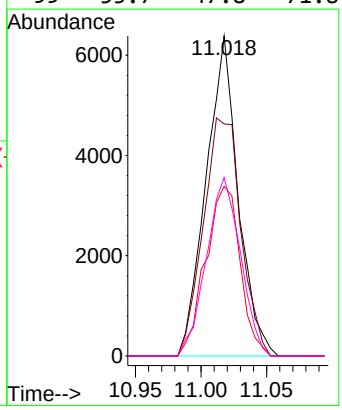


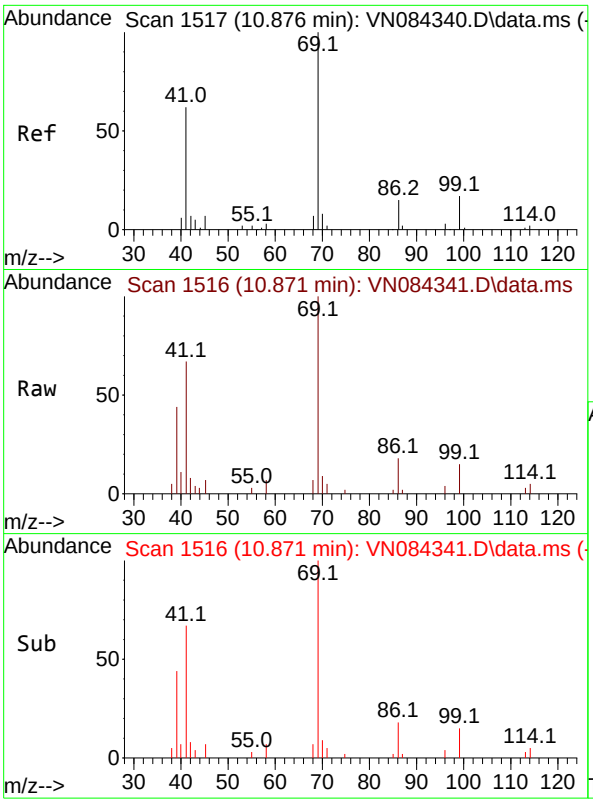


#50
1,1,2-Trichloroethane
Concen: 5.065 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 97 Resp: 10856

Ion	Ratio	Lower	Upper
97	100		
83	72.5	67.8	101.8
85	52.9	44.2	66.2
99	55.7	47.8	71.8



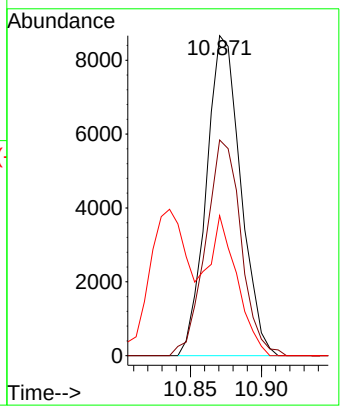


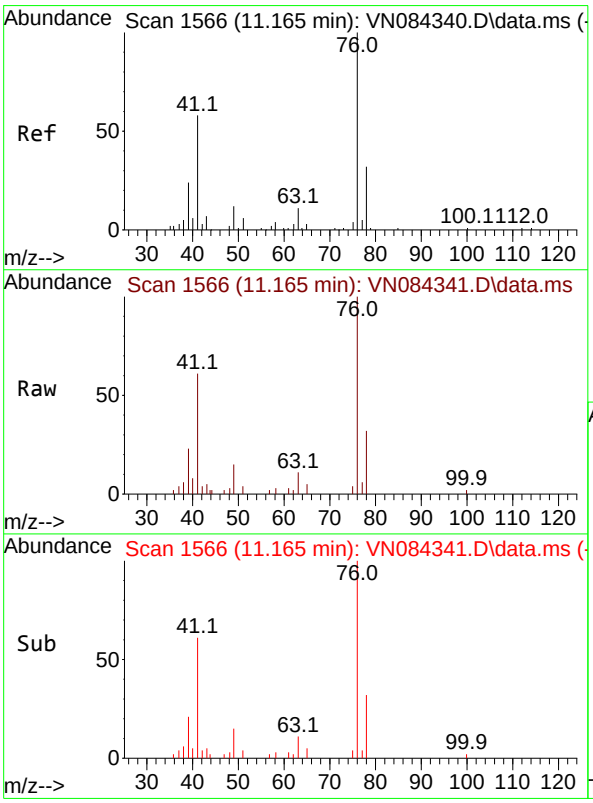
#51
Ethyl methacrylate
Concen: 4.109 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 69 Resp: 14547

Ion	Ratio	Lower	Upper
69	100		
41	65.6	30.9	92.7
39	43.7	16.6	49.7

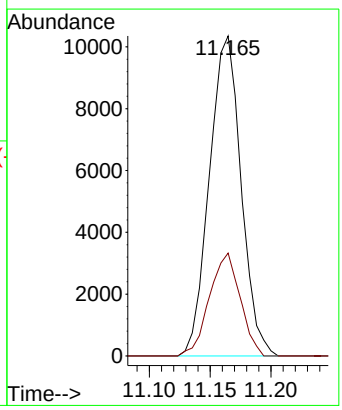


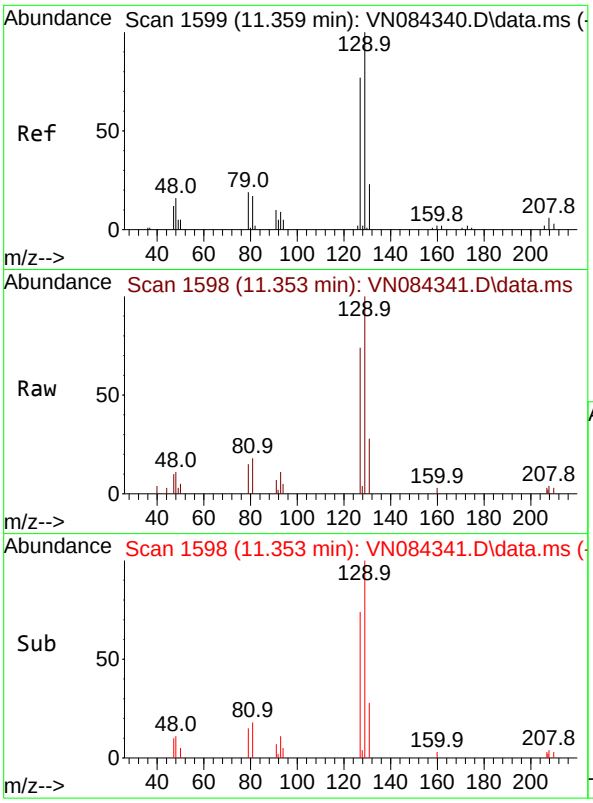


#52
1,3-Dichloropropane
Concen: 5.011 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 76 Resp: 18781

Ion	Ratio	Lower	Upper
76	100		
78	31.1	0.0	64.2



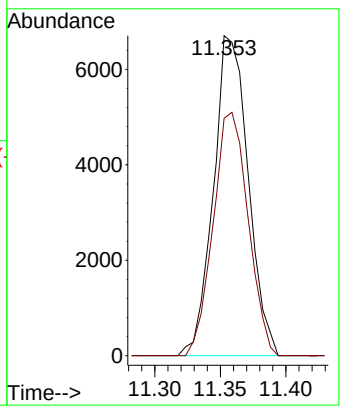


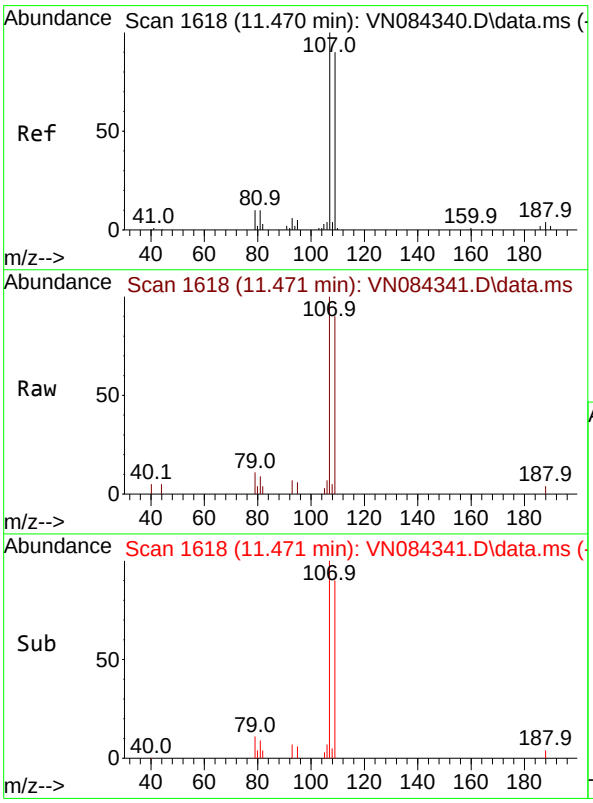
#53
Dibromochloromethane
Concen: 4.880 ug/l
RT: 11.353 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:129 Resp: 12356

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5

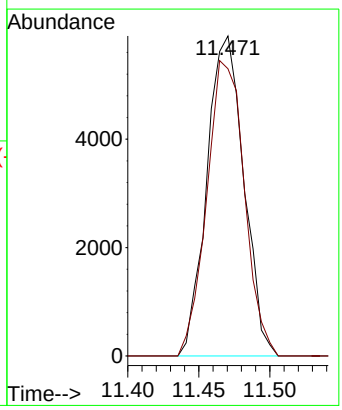


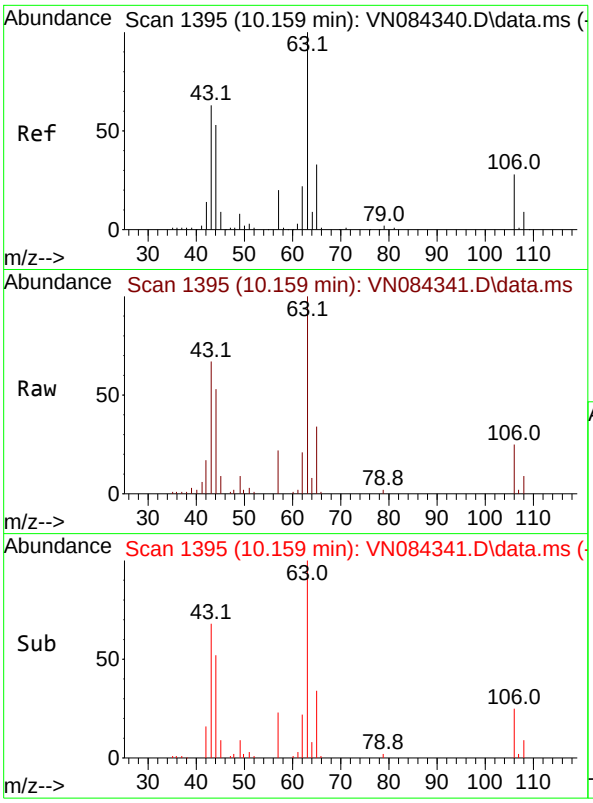


#54
1,2-Dibromoethane
Concen: 4.844 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:107 Resp: 10689

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.6



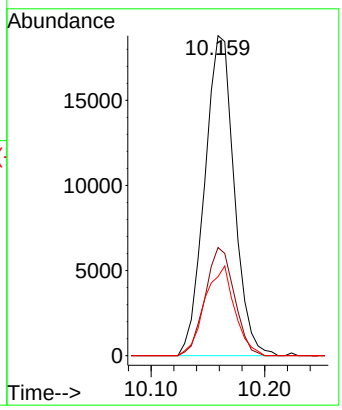


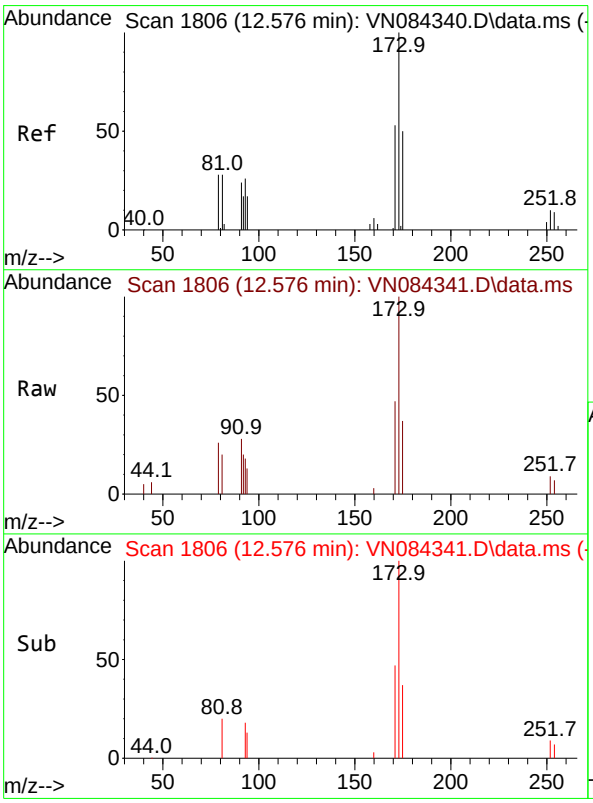
#55
2-Chloroethyl vinyl ether
Concen: 21.155 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 33972

Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.6	38.4
106	28.4	21.6	32.4

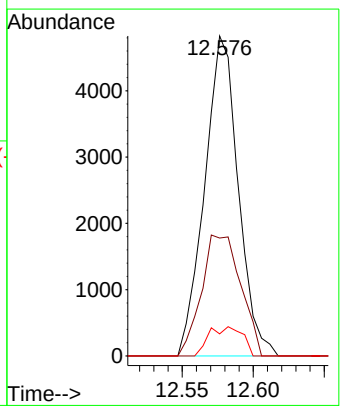


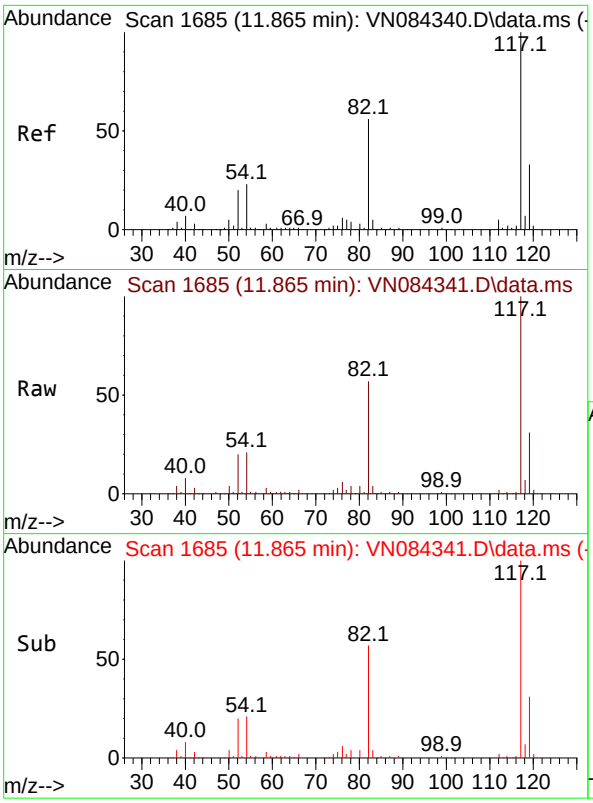


#56
Bromoform
Concen: 4.725 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:173 Resp: 7936

Ion	Ratio	Lower	Upper
173	100		
175	44.2	39.4	59.2
254	4.0	6.8	10.2#



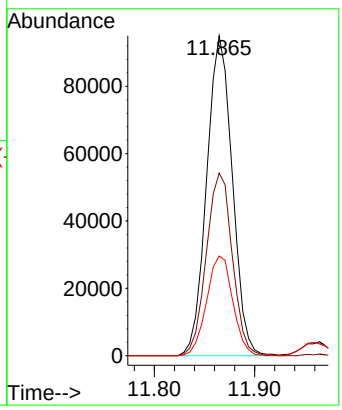


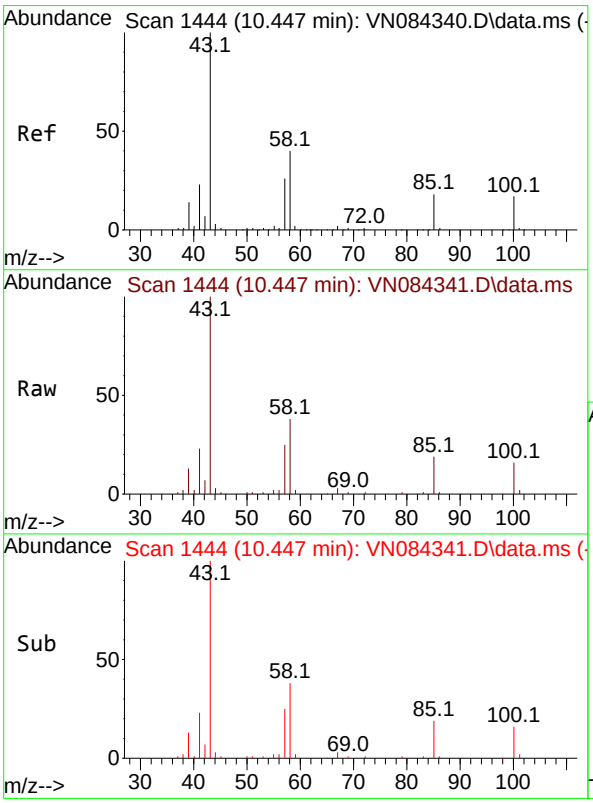
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 168912

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.8	25.4	38.2

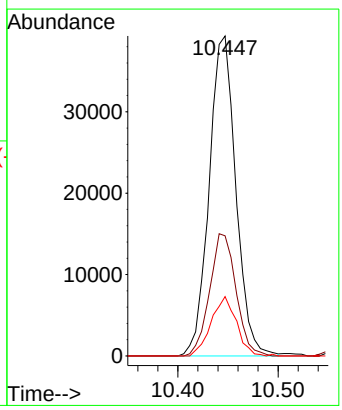


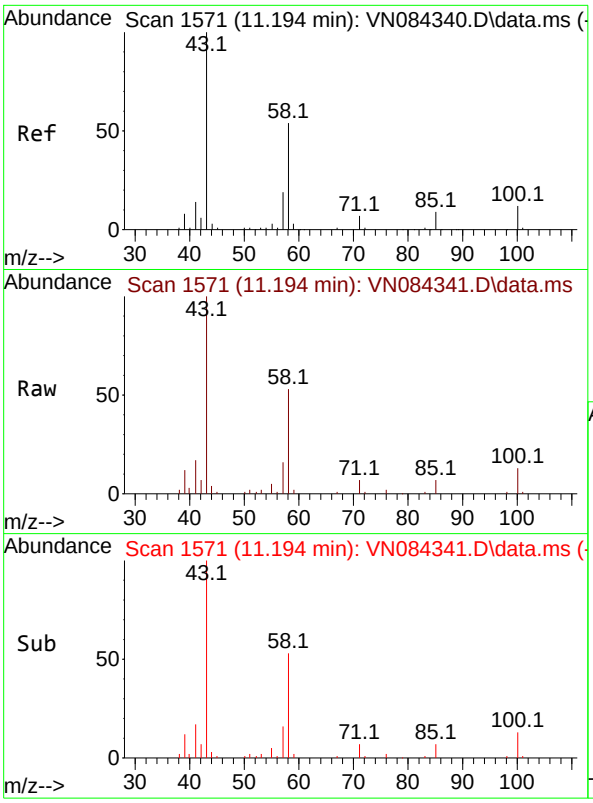


#58
4-Methyl-2-Pentanone
Concen: 23.145 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 43 Resp: 72827

Ion	Ratio	Lower	Upper
43	100		
58	37.7	31.9	47.9
85	17.6	14.6	22.0



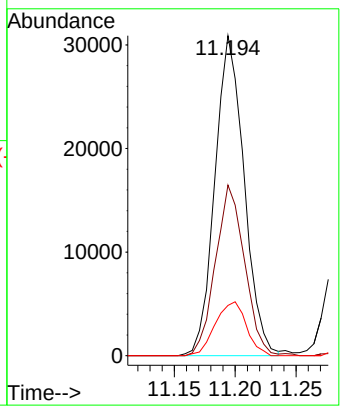


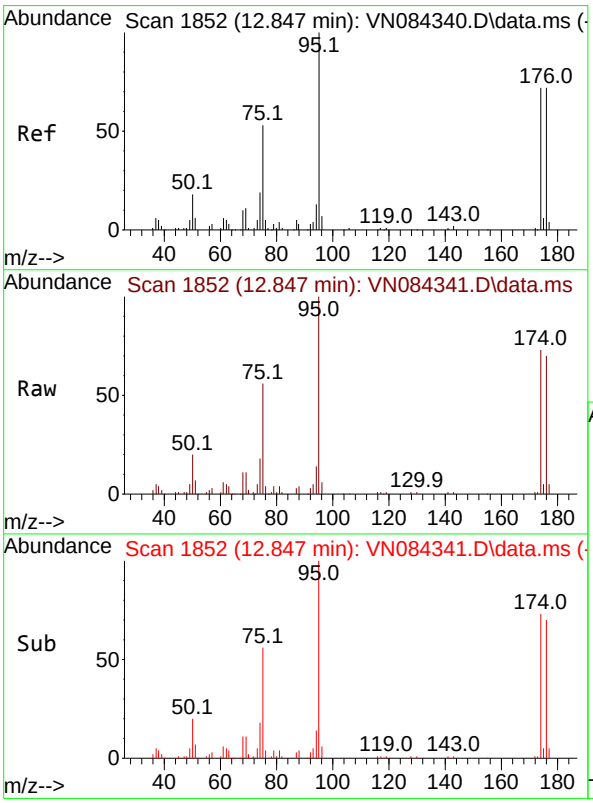
#59
2-Hexanone
Concen: 22.071 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 51606

Ion	Ratio	Lower	Upper
43	100		
58	53.0	44.0	66.0
57	17.9	15.4	23.2

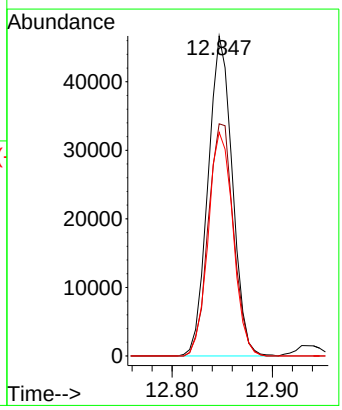


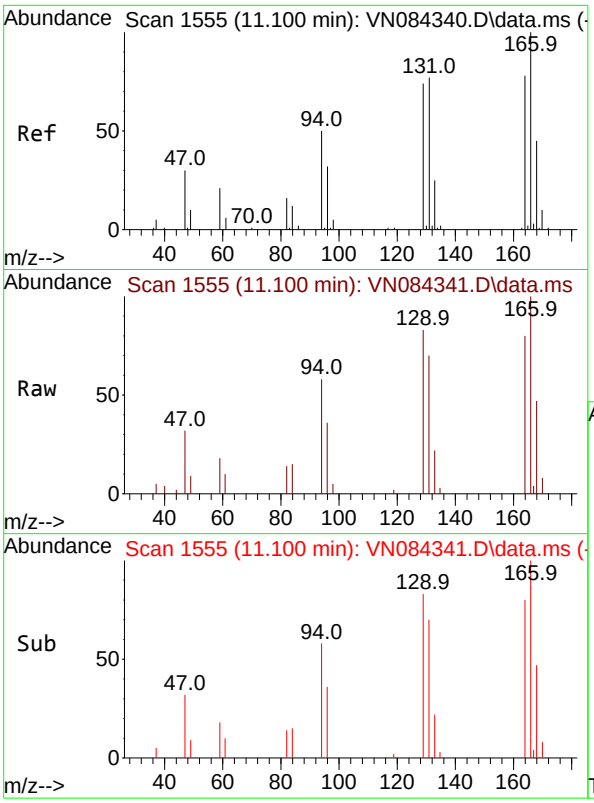


#60
4-Bromofluorobenzene
Concen: 28.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 95 Resp: 78531

Ion	Ratio	Lower	Upper
95	100		
174	75.5	58.2	87.2
176	71.4	56.4	84.6



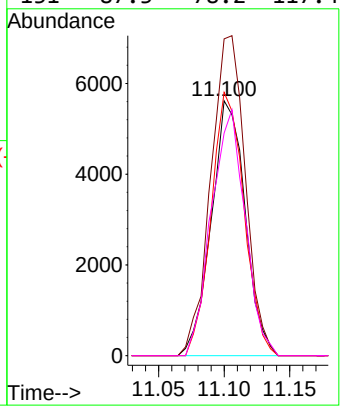


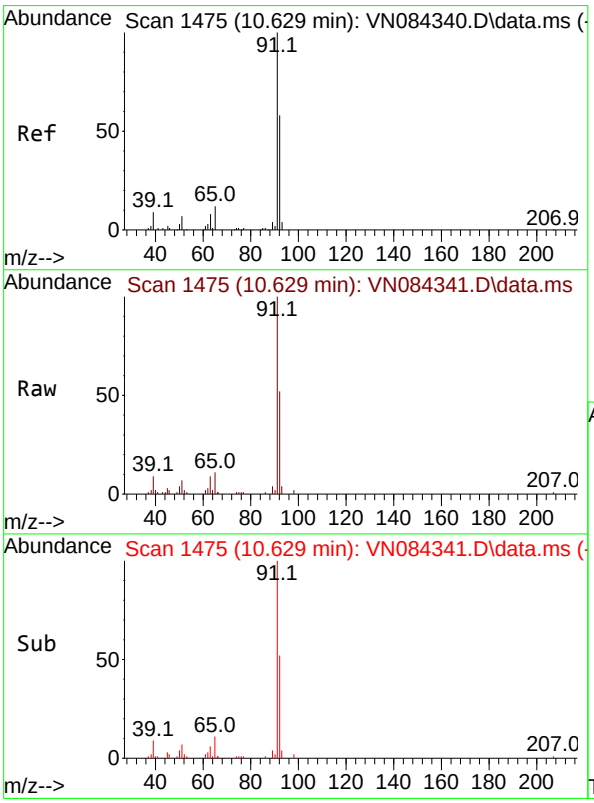
#61
Tetrachloroethene
Concen: 5.266 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:164 Resp: 10061

Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.5	153.7
129	103.3	75.7	113.5
131	87.3	78.2	117.4

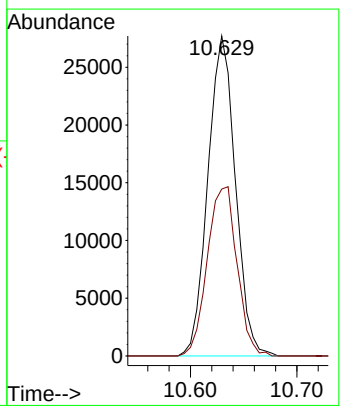


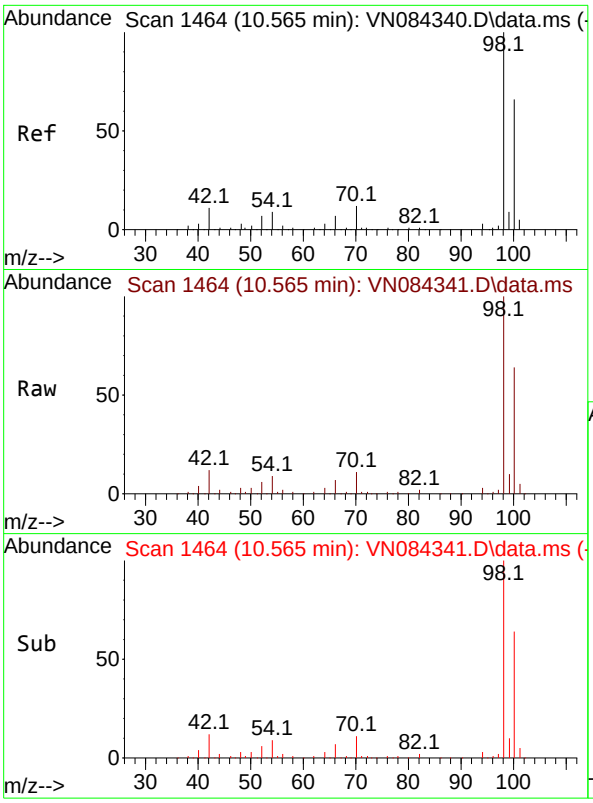


#62
Toluene
Concen: 5.030 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 49743

Ion	Ratio	Lower	Upper
91	100		
92	57.1	47.2	70.8



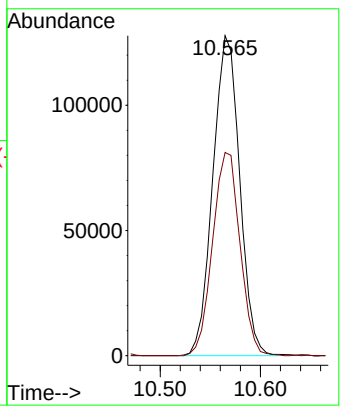


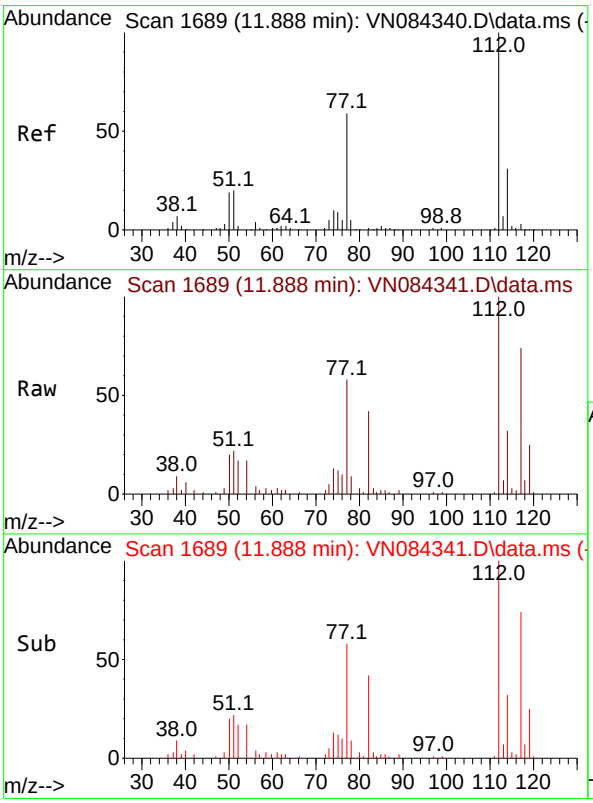
#63
Toluene-d8
Concen: 30.307 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 98 Resp: 237159

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7

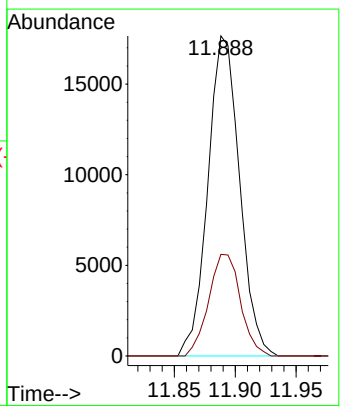


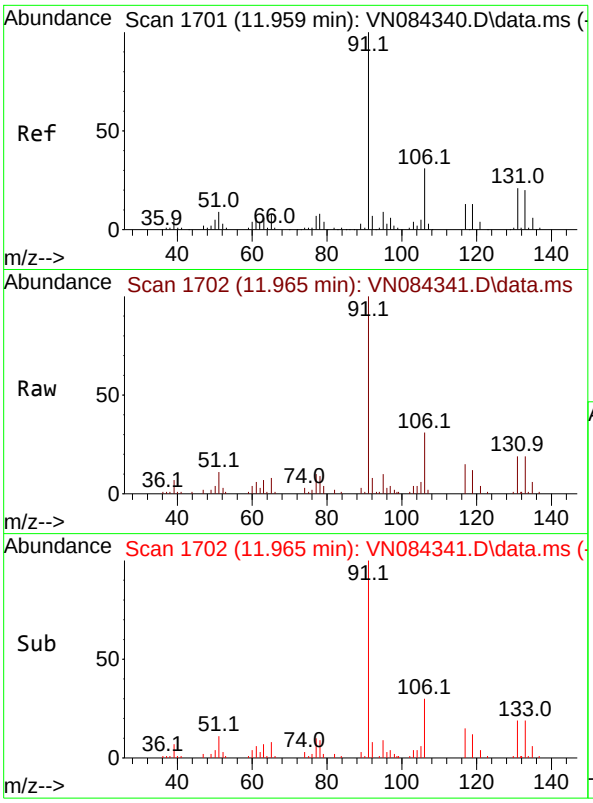


#64
Chlorobenzene
Concen: 5.199 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:112 Resp: 31991

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7



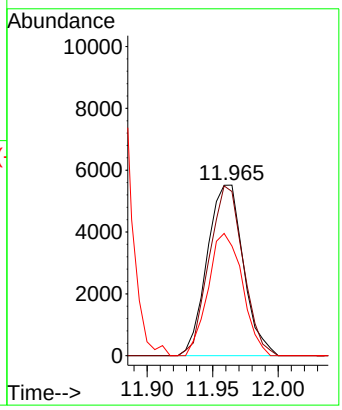


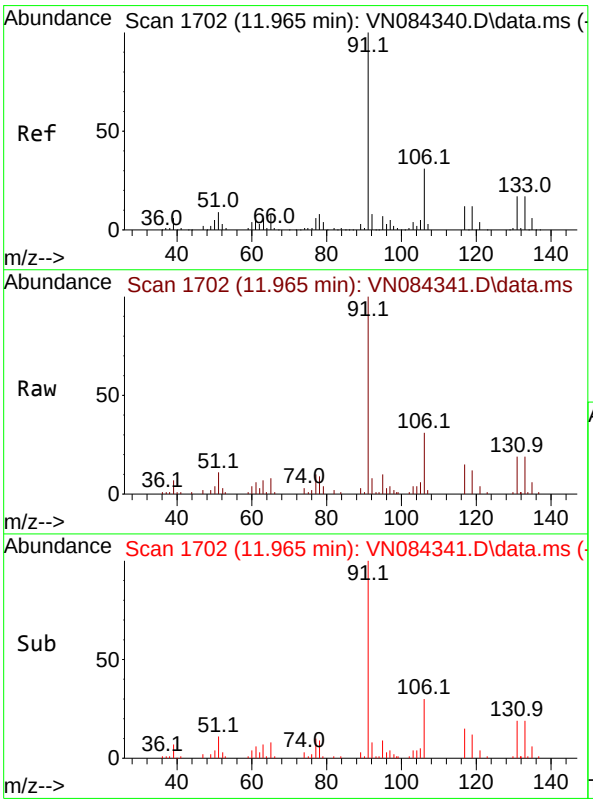
#65
1,1,1,2-Tetrachloroethane
Concen: 4.961 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:131 Resp: 10606

Ion	Ratio	Lower	Upper
131	100		
133	93.6	0.0	190.4
119	68.0	0.0	130.0

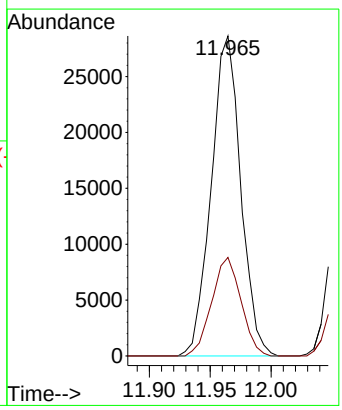


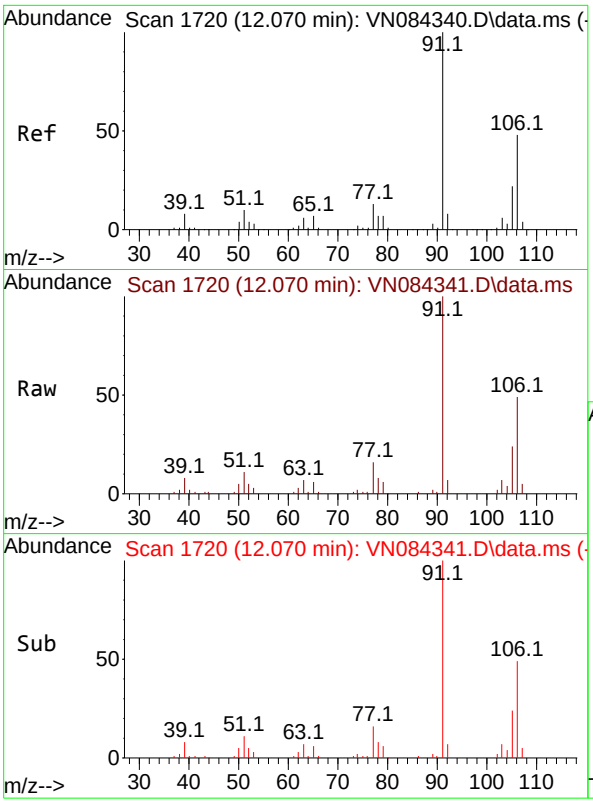


#66
Ethyl Benzene
Concen: 4.494 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 48285

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.2	37.8



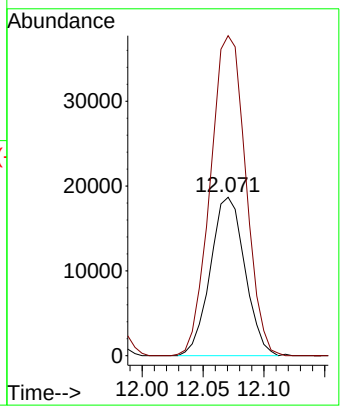


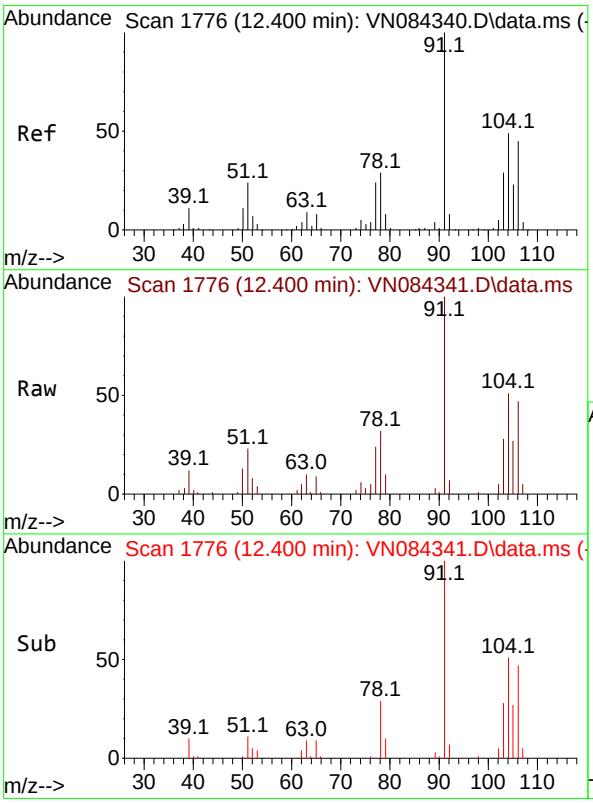
#67
m/p-Xylenes
Concen: 9.030 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 36802

Ion	Ratio	Lower	Upper
106	100		
91	206.9	166.7	250.1

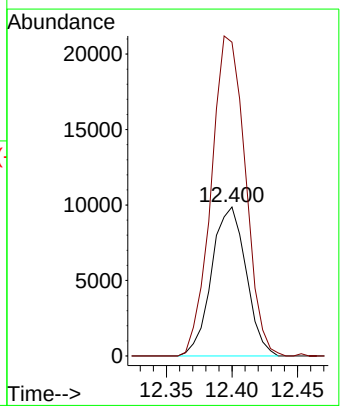


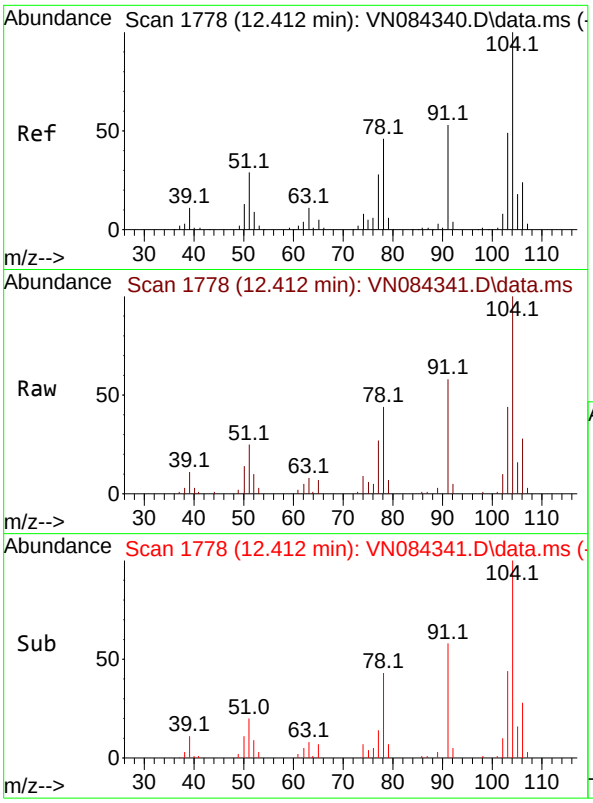


#68
o-Xylene
Concen: 4.591 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:106 Resp: 18036

Ion	Ratio	Lower	Upper
106	100		
91	212.7	110.9	332.9



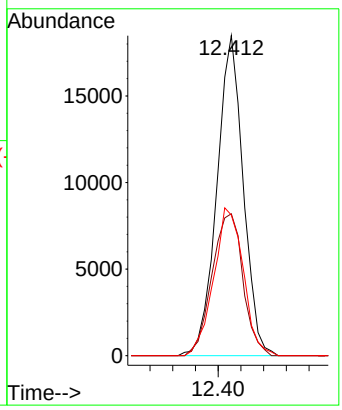


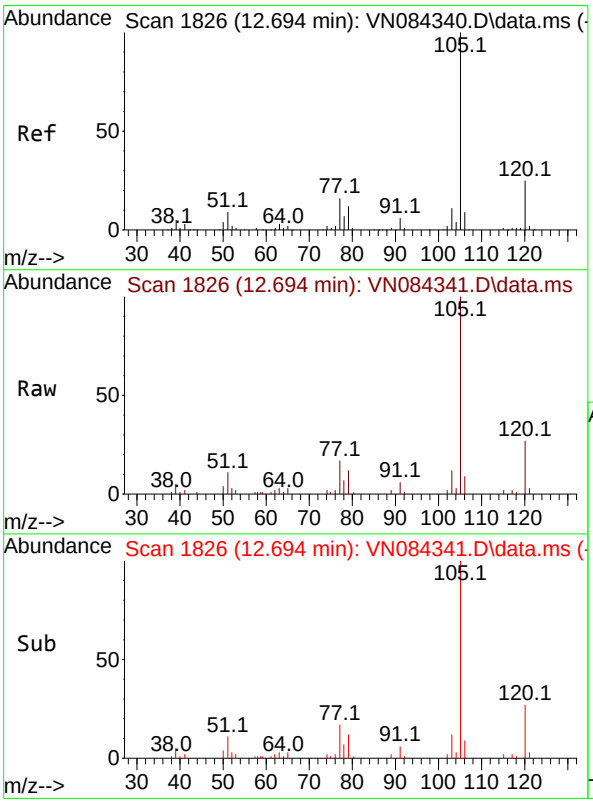
#69
Styrene
Concen: 4.421 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:104 Resp: 29815

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	51.9	44.4	66.6

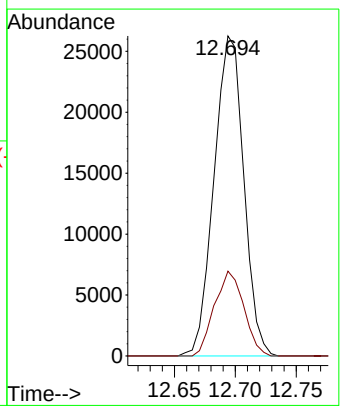


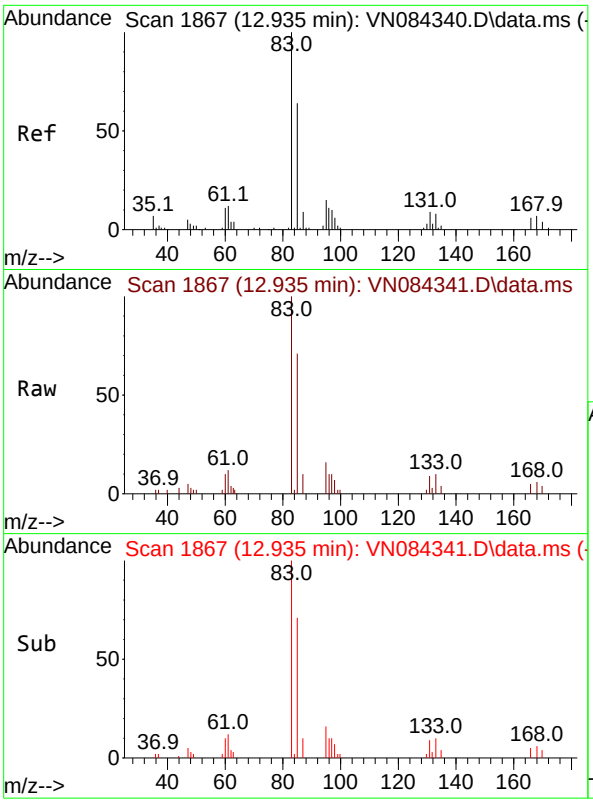


#70
Isopropylbenzene
Concen: 4.455 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 44677

Ion	Ratio	Lower	Upper
105	100		
120	26.1	17.4	32.4



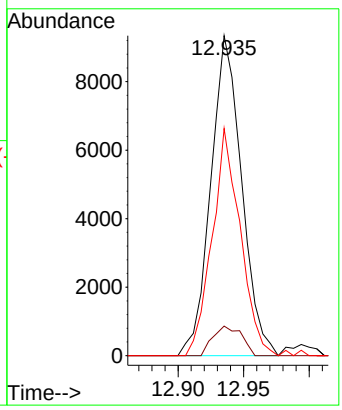


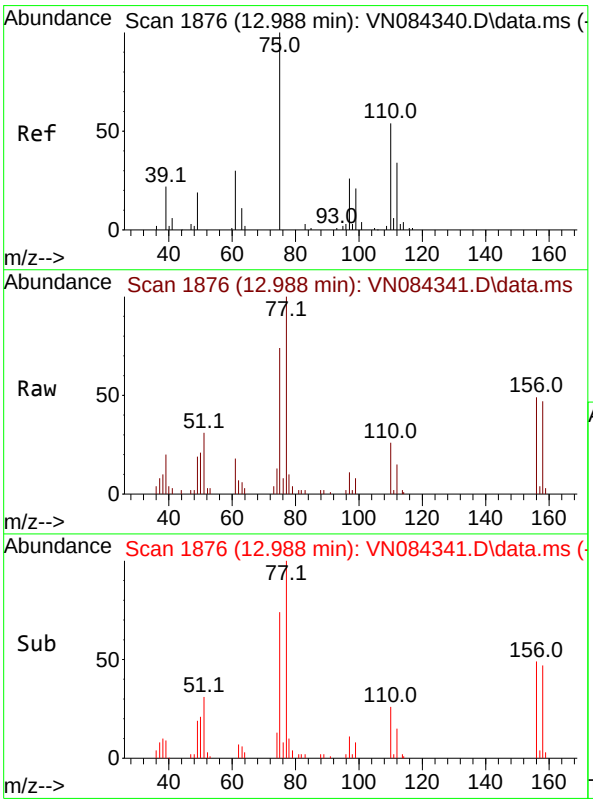
#71
1,1,2,2-Tetrachloroethane
Concen: 4.928 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15289

Ion	Ratio	Lower	Upper
83	100		
131	8.6	5.1	15.3
85	64.7	32.0	96.2

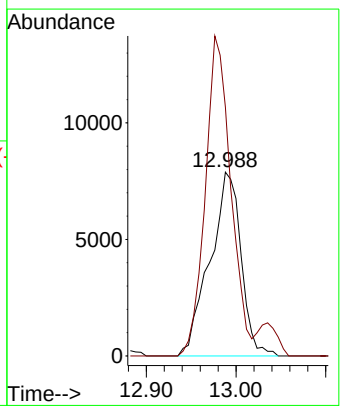


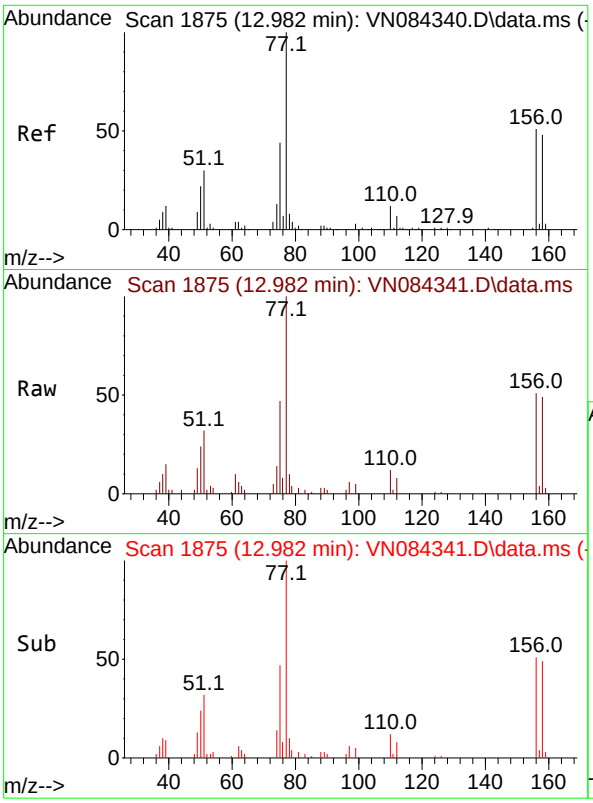


#72
1,2,3-Trichloropropane
Concen: 7.159 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 18996

Ion	Ratio	Lower	Upper
75	100		
77	142.8	0.0	414.0



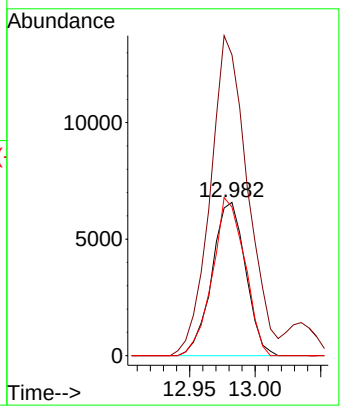


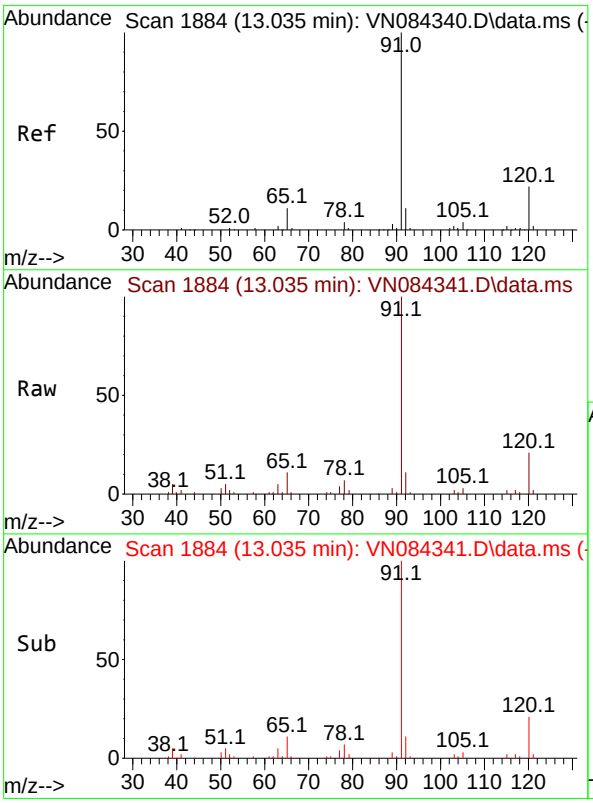
#73
Bromobenzene
Concen: 4.826 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 11720

Ion	Ratio	Lower	Upper
156	100		
77	231.5	0.0	451.0
158	99.2	0.0	194.6

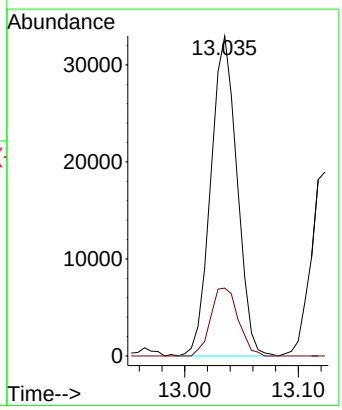


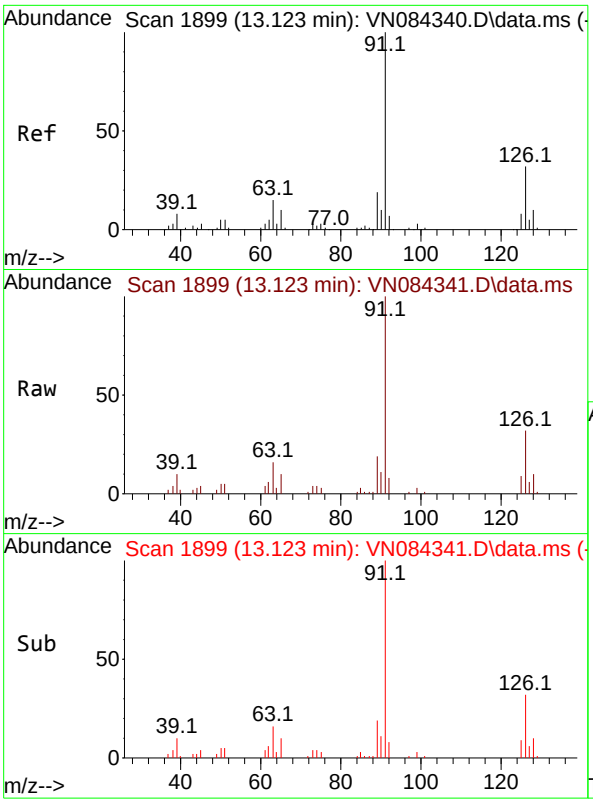


#74
n-propylbenzene
Concen: 4.431 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 52955

Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	43.2



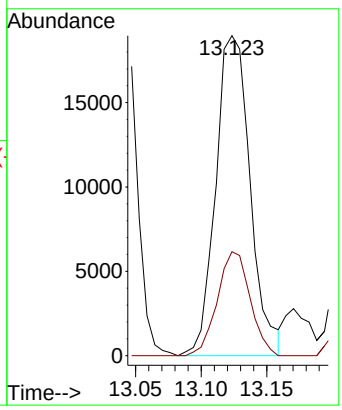


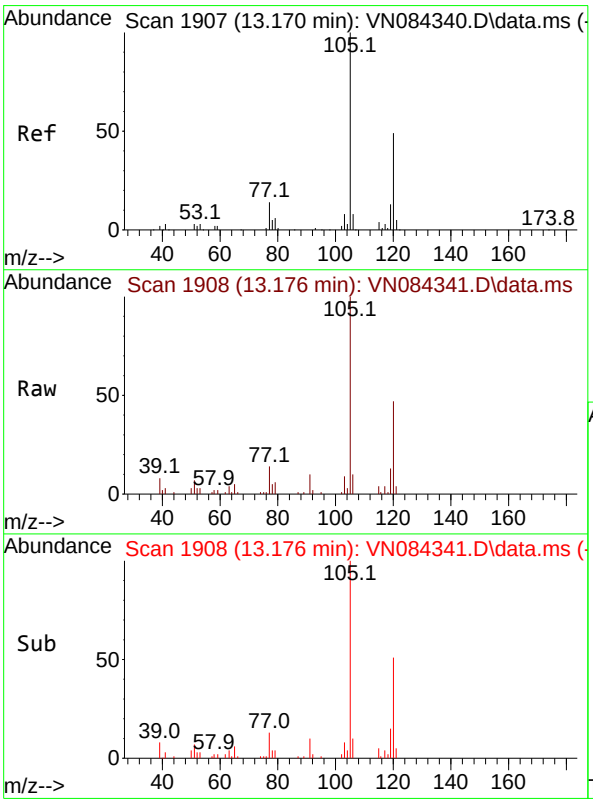
#75
2-Chlorotoluene
Concen: 4.673 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 34704

Ion	Ratio	Lower	Upper
91	100		
126	30.8	0.0	64.0

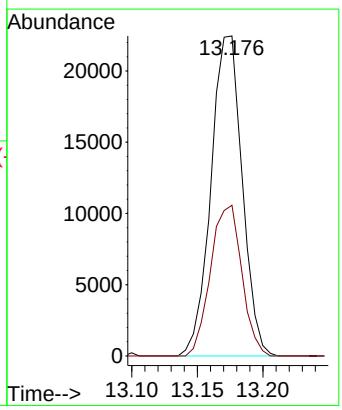


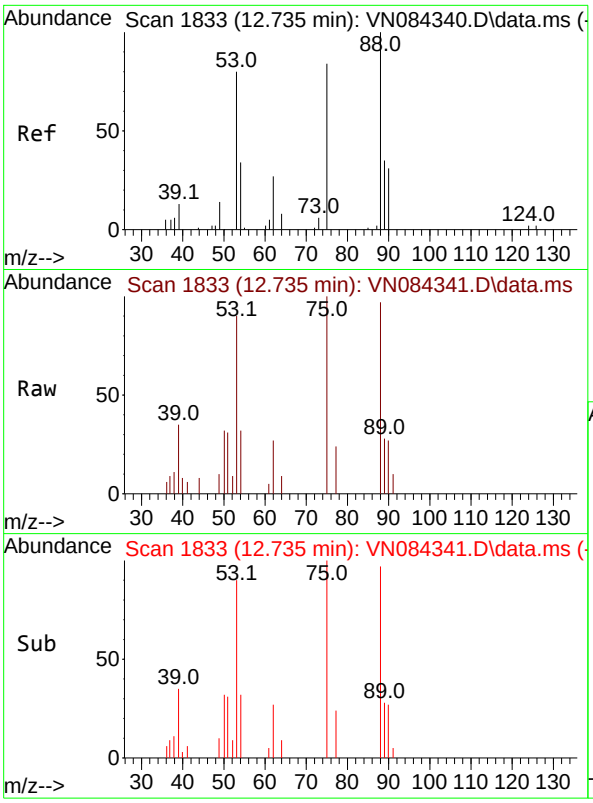


#76
1,3,5-Trimethylbenzene
Concen: 4.410 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 37234

Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	94.4



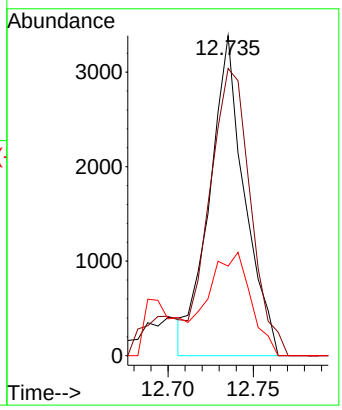


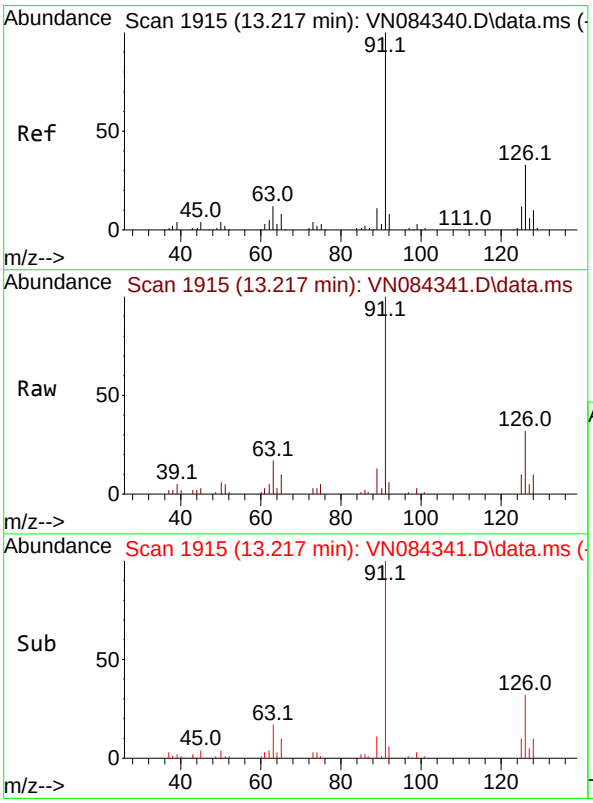
#77
t-1,4-Dichloro-2-butene
Concen: 4.245 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4820

Ion	Ratio	Lower	Upper
75	100		
53	82.4	47.3	142.0
89	28.0	22.9	68.8

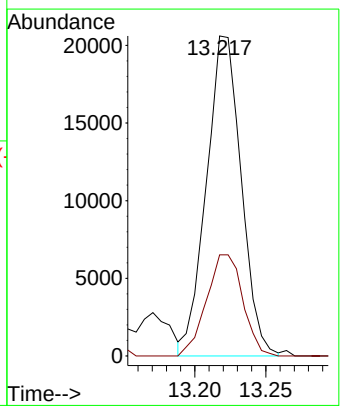


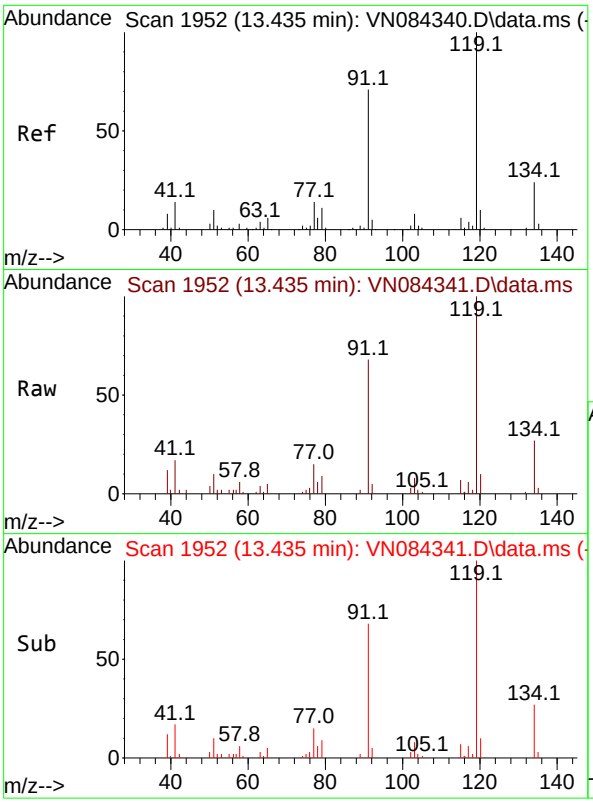


#78
4-Chlorotoluene
Concen: 4.653 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 91 Resp: 35132

Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	62.4



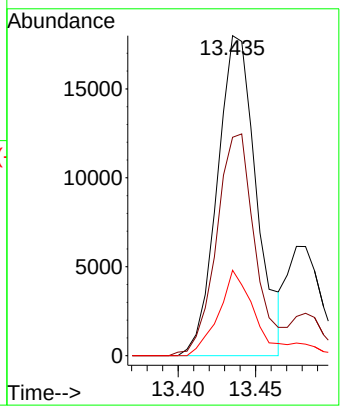


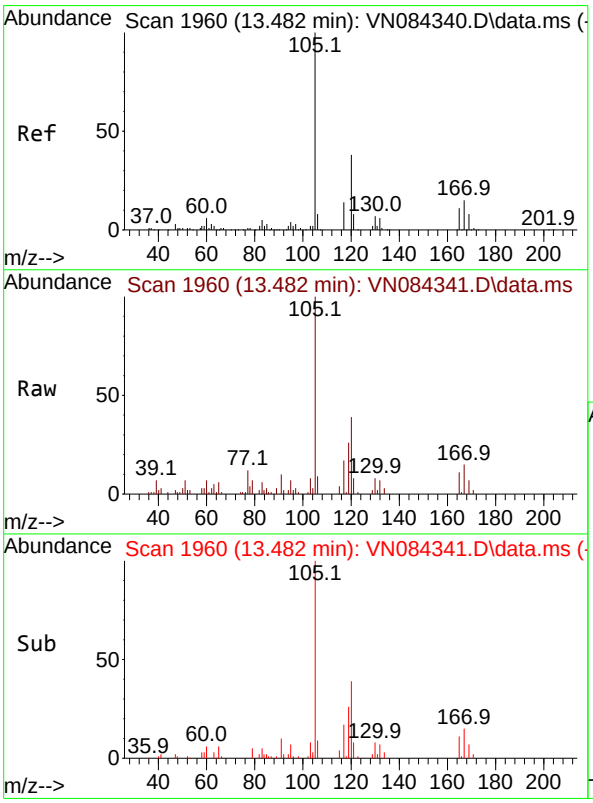
#79
tert-butylbenzene
Concen: 4.384 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 31579

Ion	Ratio	Lower	Upper
119	100		
91	67.7	0.0	138.0
134	23.7	0.0	48.8

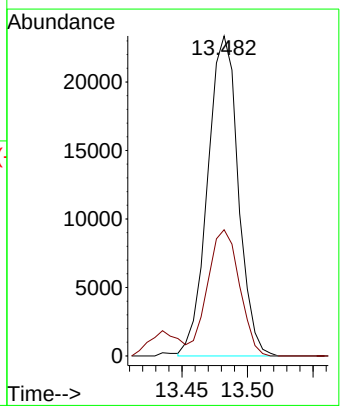


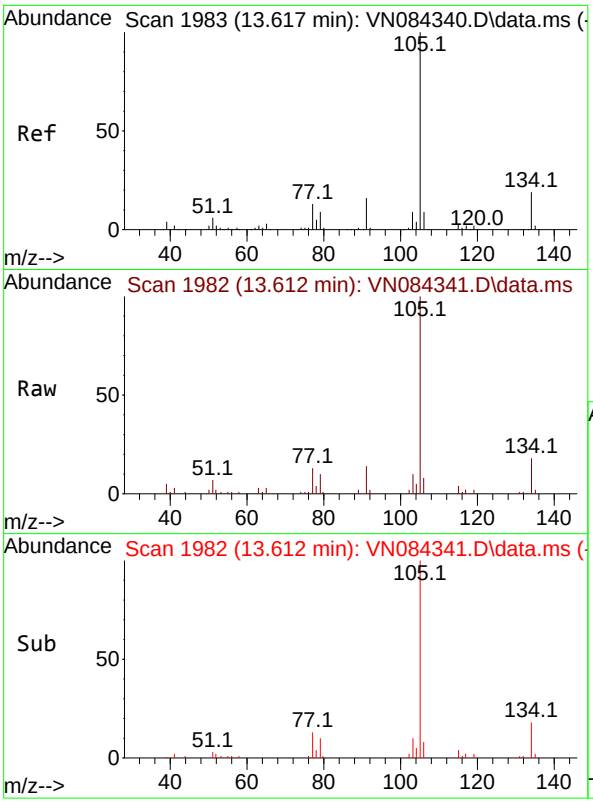


#80
1,2,4-Trimethylbenzene
Concen: 4.427 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:105 Resp: 37927

Ion	Ratio	Lower	Upper
105	100		
120	41.2	0.0	88.8



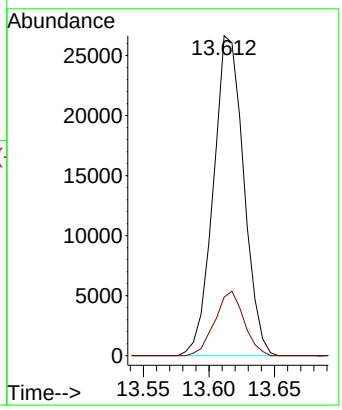


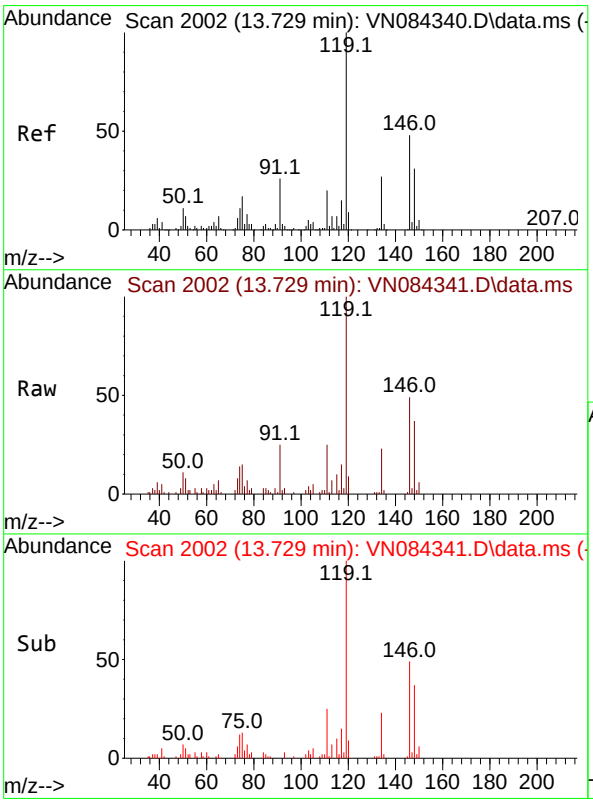
#81
sec-Butylbenzene
Concen: 4.321 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 42859

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	38.0

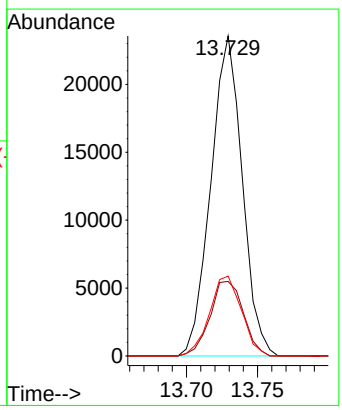


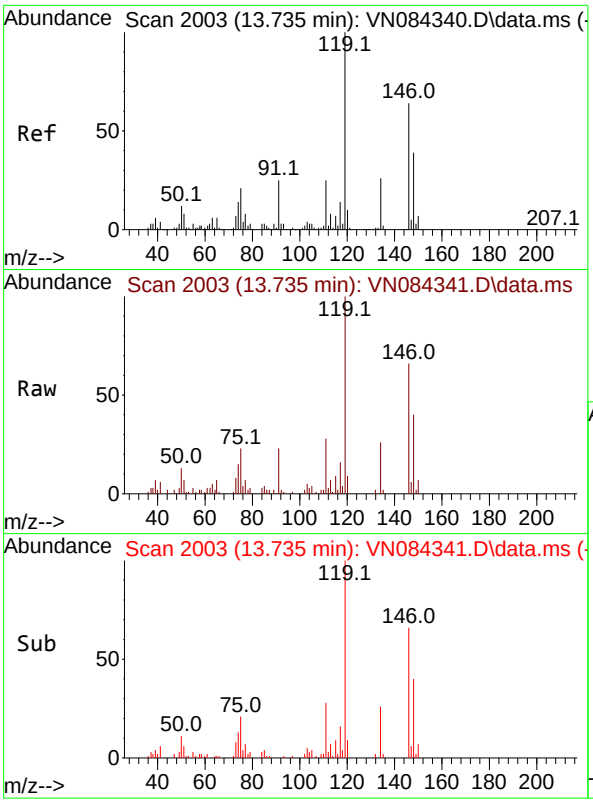


#82
p-Isopropyltoluene
Concen: 4.335 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:119 Resp: 36191

Ion	Ratio	Lower	Upper
119	100		
134	24.8	0.0	50.2
91	25.4	0.0	50.6



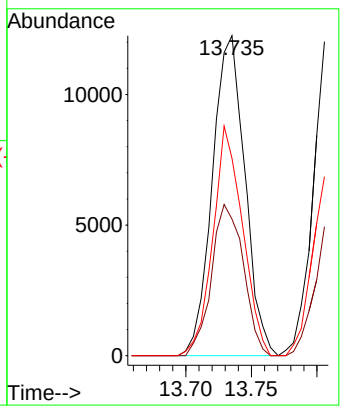


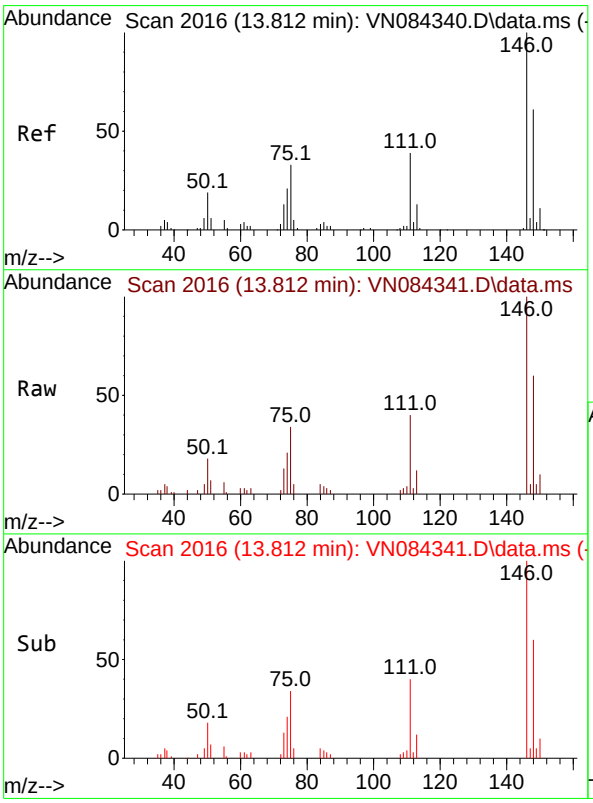
#83
1,3-Dichlorobenzene
Concen: 4.675 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21112

Ion	Ratio	Lower	Upper
146	100		
111	46.3	20.6	61.9
148	65.3	31.6	94.7

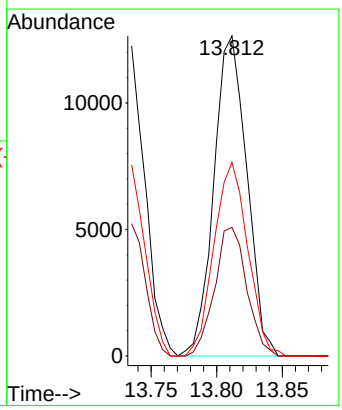


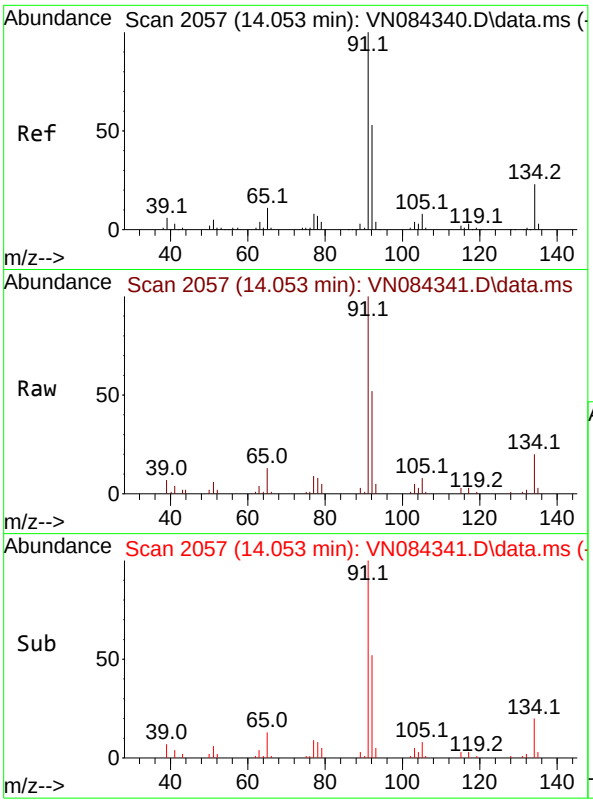


#84
1,4-Dichlorobenzene
Concen: 4.932 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:146 Resp: 22118

Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.5	61.5
148	62.1	32.5	97.4



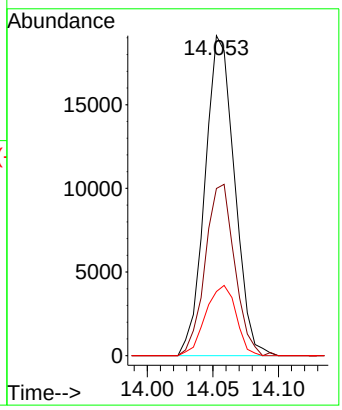


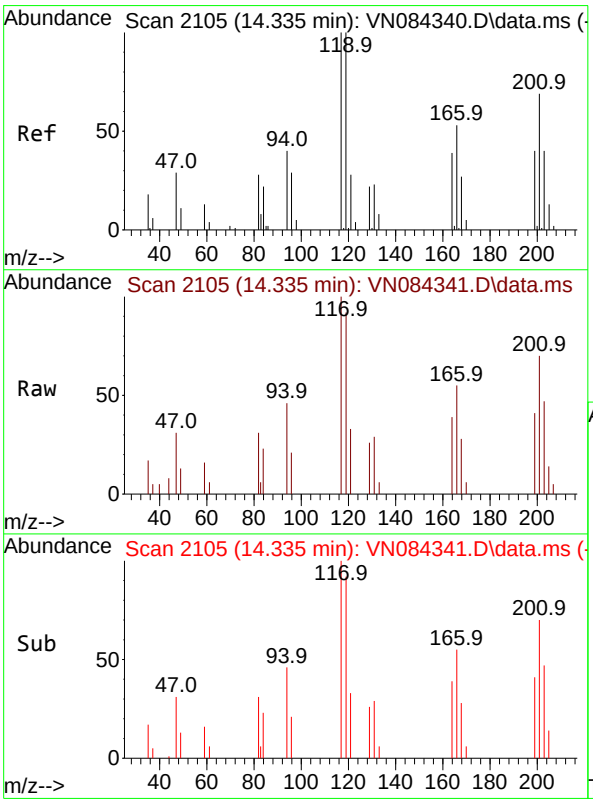
#85
n-Butylbenzene
Concen: 4.148 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 29988

Ion	Ratio	Lower	Upper
91	100		
92	53.1	0.0	103.4
134	22.6	0.0	48.0

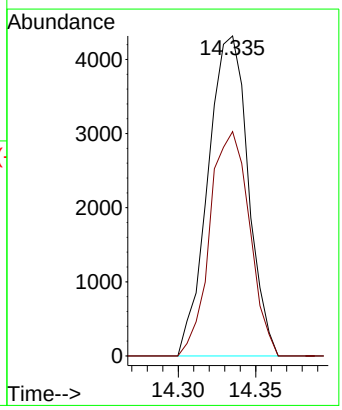


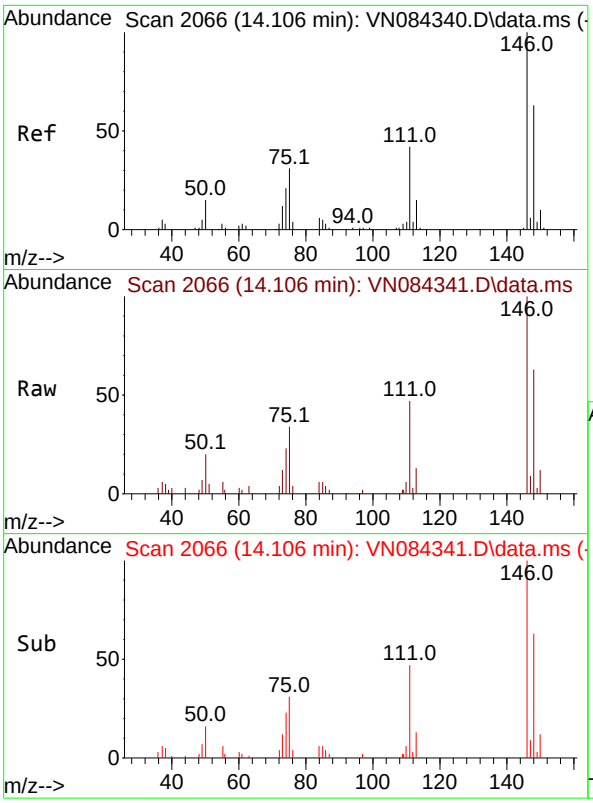


#86
Hexachloroethane
Concen: 4.837 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:117 Resp: 7779

Ion	Ratio	Lower	Upper
117	100		
201	69.0	33.9	101.6



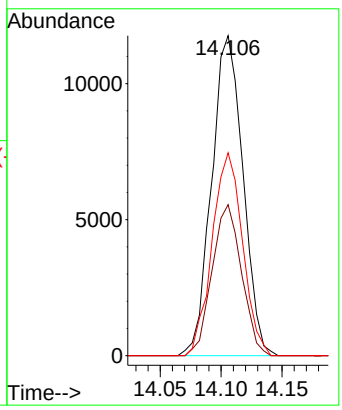


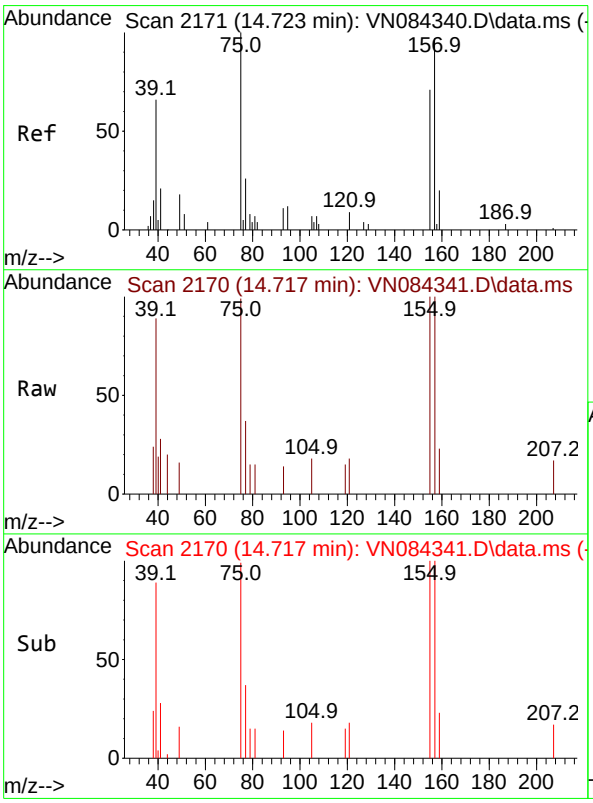
#87
1,2-Dichlorobenzene
Concen: 4.820 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21047

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.5
148	61.8	31.1	93.5

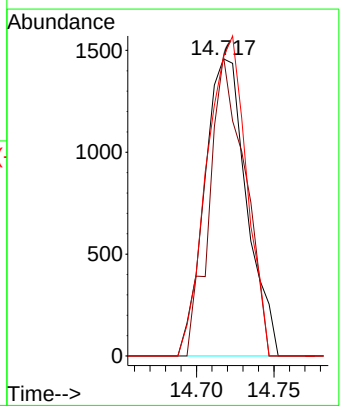


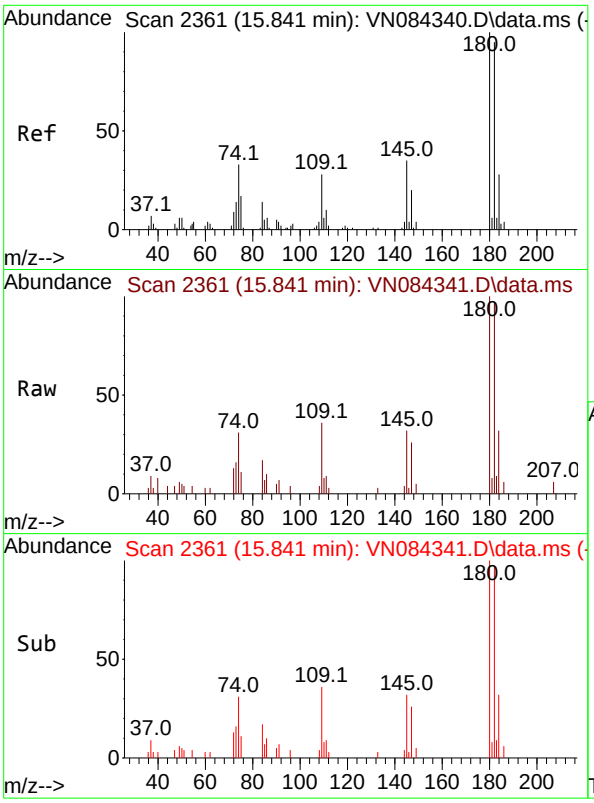


#88
1,2-Dibromo-3-Chloropropane
Concen: 4.352 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion: 75 Resp: 2761

Ion	Ratio	Lower	Upper
75	100		
155	85.0	61.8	92.8
157	101.1	77.4	116.0



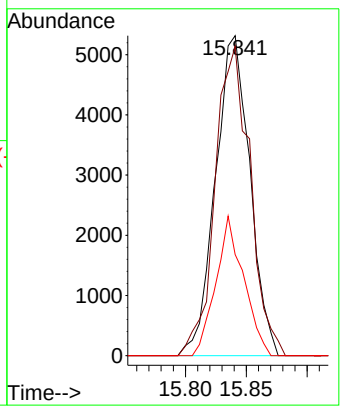


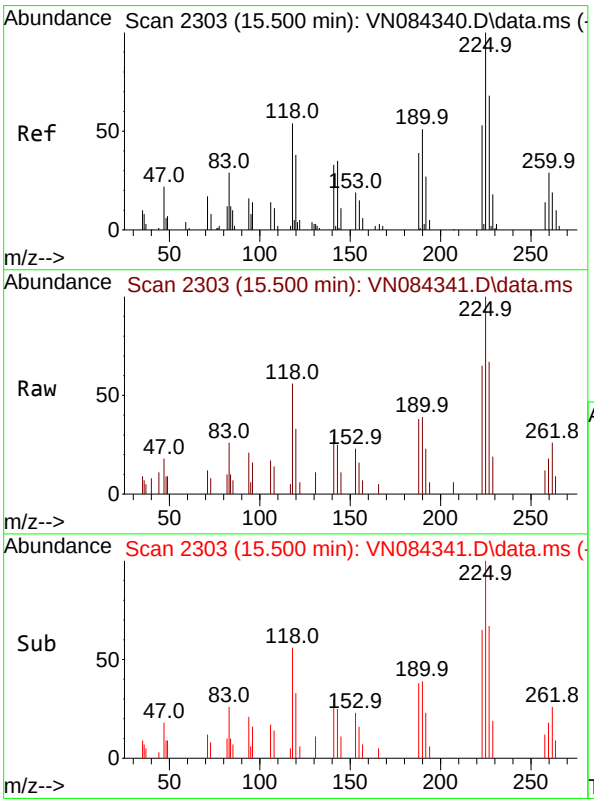
#89
1,2,4-Trichlorobenzene
Concen: 4.618 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 10483

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.8	116.6
145	35.2	28.9	43.3

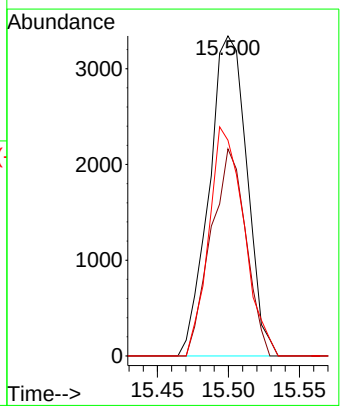


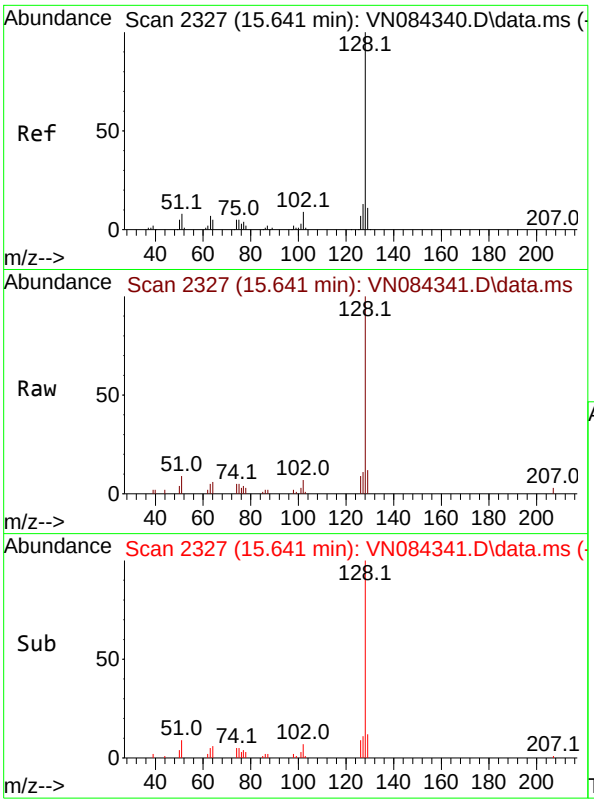


#90
Hexachlorobutadiene
Concen: 5.904 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:225 Resp: 6201

Ion	Ratio	Lower	Upper
225	100		
223	59.6	0.0	124.0
227	66.3	0.0	130.8



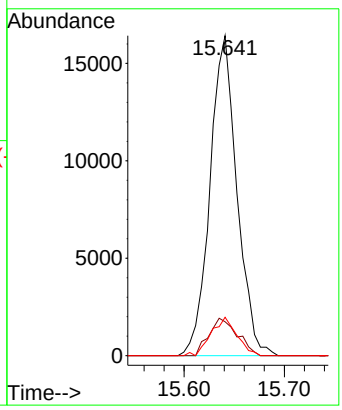


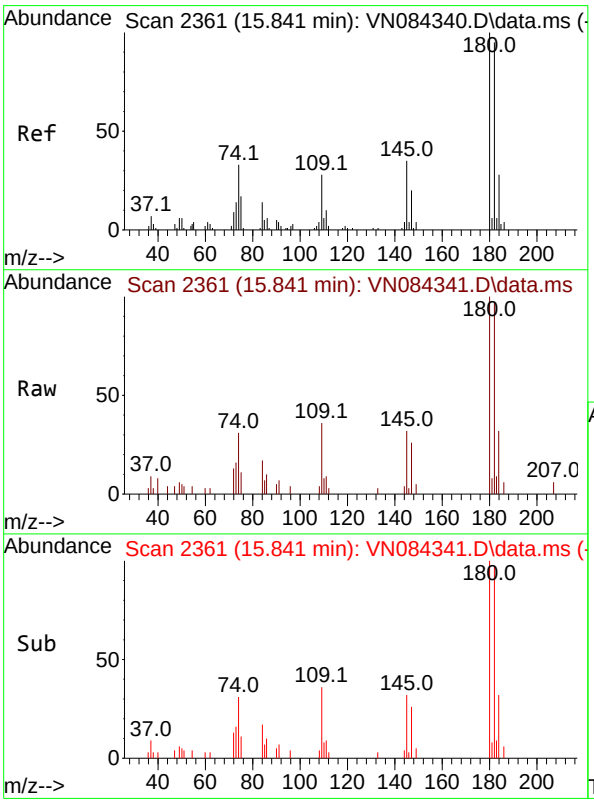
#91
Naphthalene
Concen: 3.998 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 30757

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	11.3	8.8	13.2

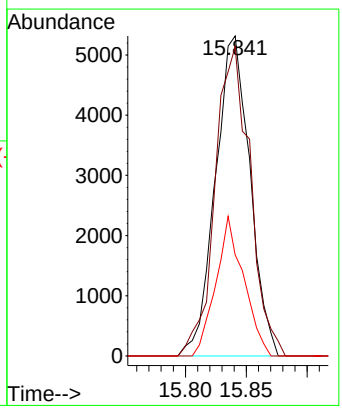




#92
1,2,3-Trichlorobenzene
Concen: 4.618 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084341.D
Acq: 08 Oct 2024 11:19

Tgt Ion:180 Resp: 10483

Ion	Ratio	Lower	Upper
180	100		
182	98.2	0.0	194.4
145	35.2	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	35827	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193781	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180191	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	86558	30.009	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%			
60) 4-Bromofluorobenzene	12.847	95	91549	30.784	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.600%			
63) Toluene-d8	10.565	98	253573	30.377	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.267%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43254	19.774	ug/l	99
3) Chloromethane	2.365	50	49667	19.953	ug/l	98
4) Vinyl Chloride	2.512	62	49435	20.252	ug/l	99
5) Bromomethane	2.959	94	31882	19.713	ug/l	93
6) Chloroethane	3.118	64	32723	20.448	ug/l	92
7) Trichlorofluoromethane	3.500	101	77185	19.412	ug/l	91
8) Diethyl Ether	3.965	74	28565	19.540	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	45902	20.532	ug/l	98
10) 1,1-Dichloroethene	4.342	96	43131	19.334	ug/l	84
11) Methyl Iodide	4.594	142	56446	19.255	ug/l	99
12) Methyl Acetate	5.030	43	52991	18.975	ug/l	99
13) Acrolein	4.183	56	48906	94.270	ug/l	99
14) Acrylonitrile	5.718	53	116456	92.817	ug/l	98
15) Acetone	4.430	58	39824	111.112	ug/l	100
16) Carbon Disulfide	4.712	76	126253	19.006	ug/l	99
17) Allyl chloride	5.024	41	68924	19.060	ug/l	86
18) Methylene Chloride	5.271	84	50598	20.135	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	45883	19.434	ug/l	98
20) Diisopropyl ether	6.677	45	158301	20.360	ug/l	97
21) 1,1-Dichloroethane	6.565	63	88993	19.948	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	54789	19.943	ug/l	100
23) tert-Butyl Alcohol	5.524	59	43150	89.659	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	146831	19.696	ug/l #	86
25) Chloroform	7.965	83	91875	20.334	ug/l	98
26) Cyclohexane	8.253	56	70636	18.931	ug/l #	92
29) 1,1-Dichloropropene	8.371	75	63709	20.028	ug/l	99
30) 2-Butanone	7.483	43	170510	100.675	ug/l	99
31) 2,2-Dichloropropane	7.488	77	78528	21.007	ug/l #	82
32) 1,1,1-Trichloroethane	8.165	97	83527	20.543	ug/l	99
33) Carbon Tetrachloride	8.365	117	70593	20.040	ug/l	97
34) Benzene	8.606	78	201095	20.195	ug/l	98
35) Methacrylonitrile	7.782	41	35261	19.515	ug/l	99
36) 1,2-Dichloroethane	8.671	62	67448	20.321	ug/l	99
37) Trichloroethene	9.353	130	46466	20.265	ug/l	92
38) Methylcyclohexane	9.600	83	69219	19.810	ug/l	98
39) 1,2-Dichloropropane	9.618	63	49546	20.404	ug/l	94
40) Dibromomethane	9.706	93	34353	20.242	ug/l	98
41) Bromodichloromethane	9.888	83	72371	20.087	ug/l	92
42) Vinyl Acetate	6.606	43	581959	98.798	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
Response via : Initial Calibration

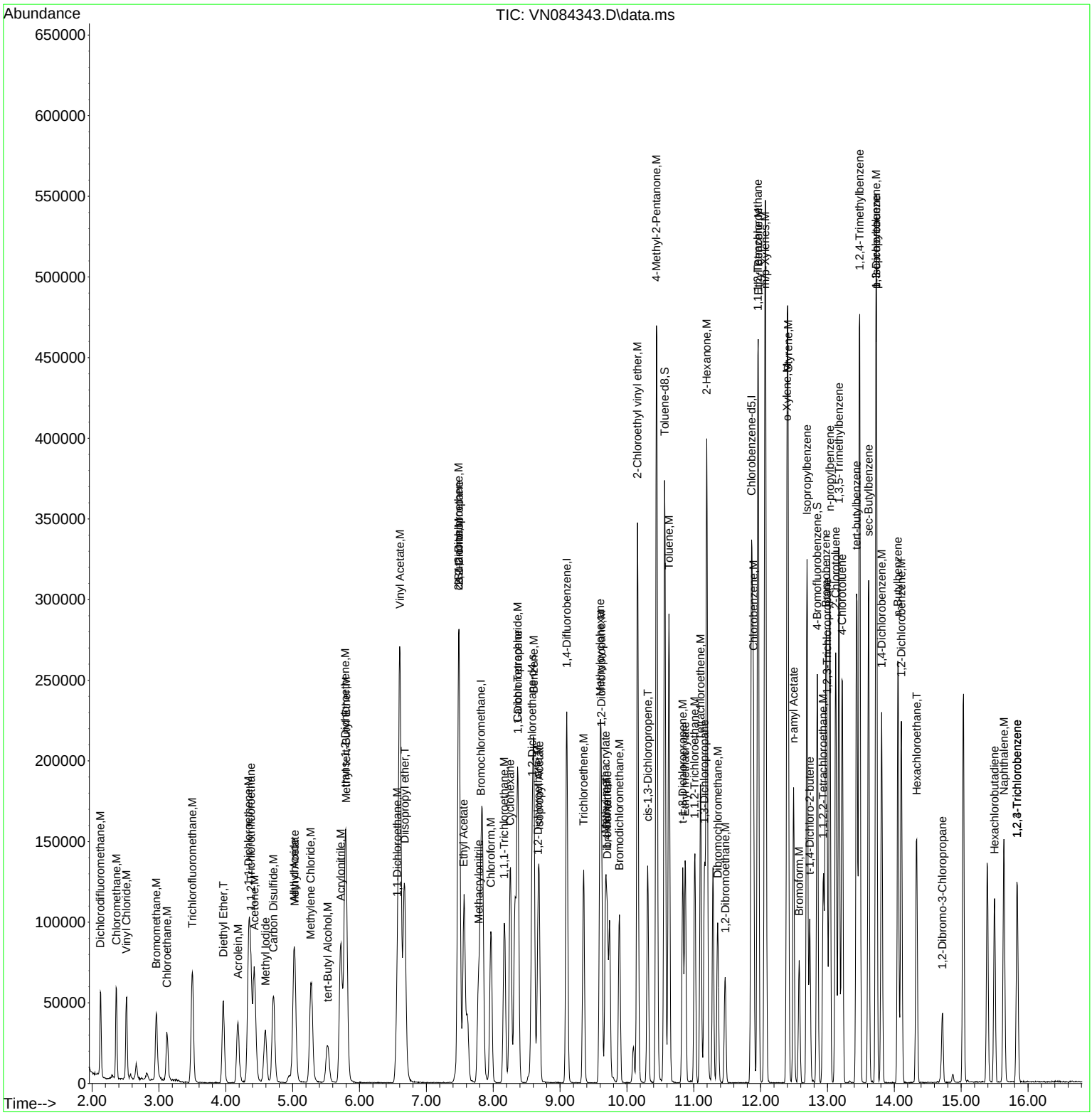
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58736	17.584	ug/l	96
44) Isopropyl Acetate	8.688	43	106167	19.419	ug/l	100
45) 1,4-Dioxane	9.700	88	17788	360.927	ug/l	96
46) Methyl methacrylate	9.682	41	51122	19.353	ug/l	97
47) n-amyl Acetate	12.494	43	94442	19.421	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	74857	20.107	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	80340	20.591	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	45700	20.034	ug/l	99
51) Ethyl methacrylate	10.871	69	73999	19.639	ug/l	97
52) 1,3-Dichloropropane	11.159	76	80053	20.070	ug/l	100
53) Dibromochloromethane	11.359	129	54490	20.221	ug/l	99
54) 1,2-Dibromoethane	11.470	107	45857	19.530	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	150677	88.171	ug/l	99
56) Bromoform	12.576	173	35946	20.113	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	326914	97.392	ug/l	99
59) 2-Hexanone	11.194	43	248144	99.486	ug/l	99
61) Tetrachloroethene	11.100	164	41736	20.477	ug/l	95
62) Toluene	10.629	91	216792	20.551	ug/l	98
64) Chlorobenzene	11.894	112	131028	19.960	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	45996	20.169	ug/l	100
66) Ethyl Benzene	11.965	91	229654	20.038	ug/l	95
67) m/p-Xylenes	12.070	106	179863	41.370	ug/l	98
68) o-Xylene	12.394	106	84107	20.070	ug/l	99
69) Styrene	12.412	104	144766	20.124	ug/l	100
70) Isopropylbenzene	12.694	105	213142	19.923	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	65966	19.932	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	86111	30.381	ug/l	52
73) Bromobenzene	12.976	156	51798	19.992	ug/l	98
74) n-propylbenzene	13.035	91	260928	20.467	ug/l	100
75) 2-Chlorotoluene	13.123	91	158449	20.001	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	181926	20.196	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22878	18.889	ug/l	98
78) 4-Chlorotoluene	13.217	91	161150	20.008	ug/l	99
79) tert-butylbenzene	13.435	119	155215	20.197	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	186446	20.399	ug/l	99
81) sec-Butylbenzene	13.617	105	212421	20.077	ug/l	99
82) p-Isopropyltoluene	13.729	119	178265	20.018	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	96137	19.955	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	92714	19.380	ug/l	98
85) n-Butylbenzene	14.053	91	148207	19.215	ug/l	99
86) Hexachloroethane	14.335	117	34925	20.356	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	91342	19.610	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12734	18.815	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	43683	18.038	ug/l	99
90) Hexachlorobutadiene	15.500	225	21663	19.335	ug/l	98
91) Naphthalene	15.641	128	137791	16.790	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	43683	18.038	ug/l	99

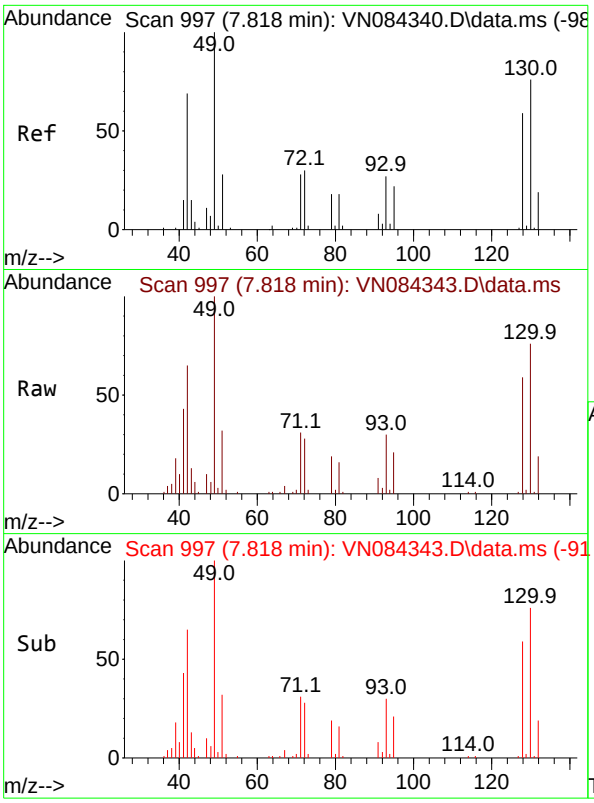
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
Data File : VN084343.D
Acq On : 08 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Quant Time: Oct 09 02:27:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
Response via : Initial Calibration



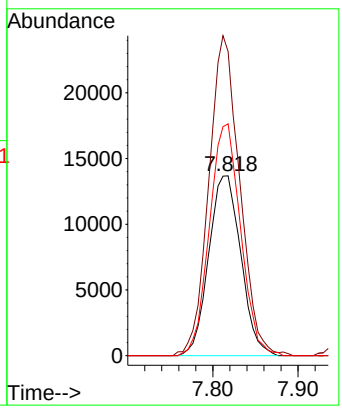


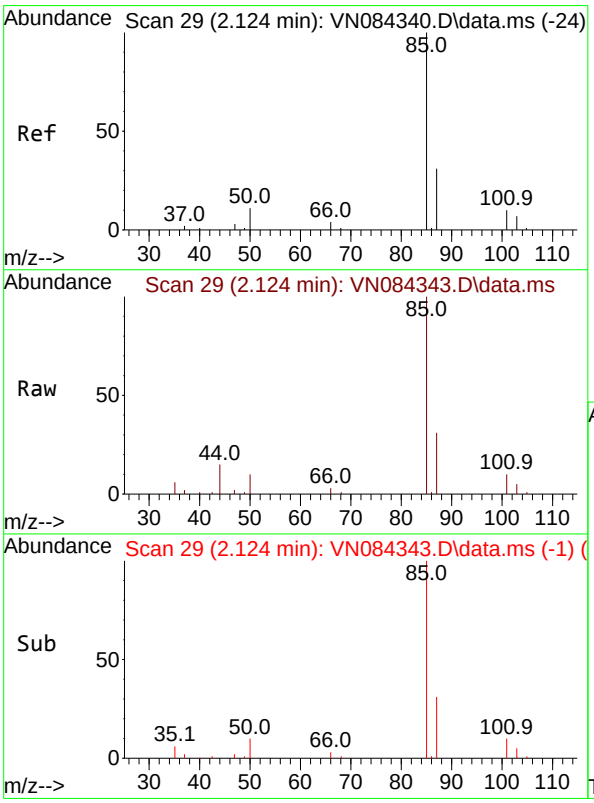
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:128 Resp: 35827

Ion	Ratio	Lower	Upper
128	100		
49	171.2	0.0	430.0
130	125.2	0.0	329.8

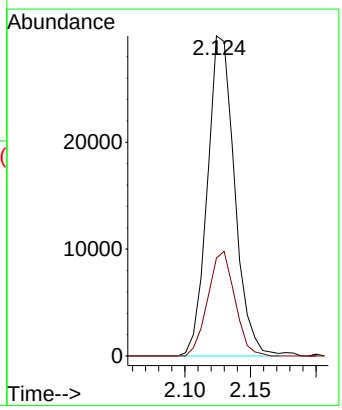


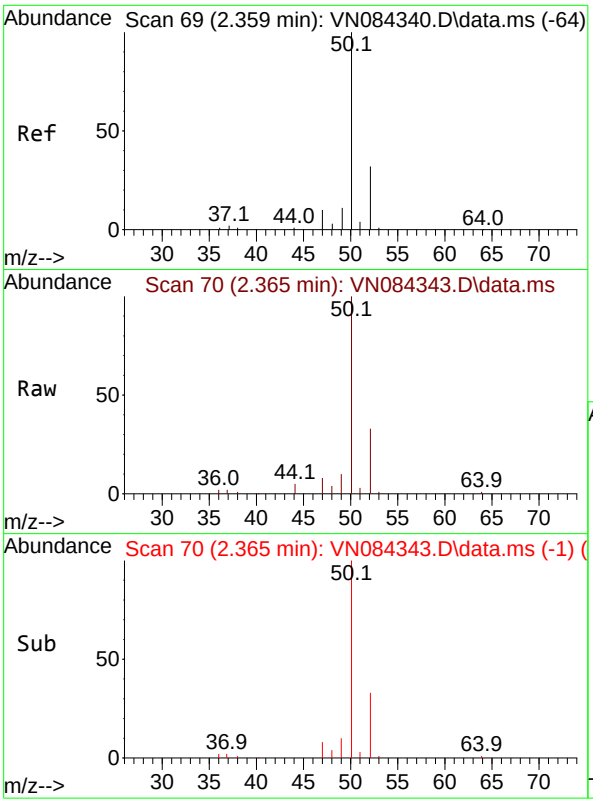


#2
Dichlorodifluoromethane
Concen: 19.774 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 85 Resp: 43254

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.4	46.4



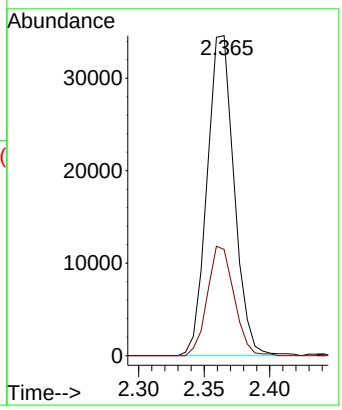


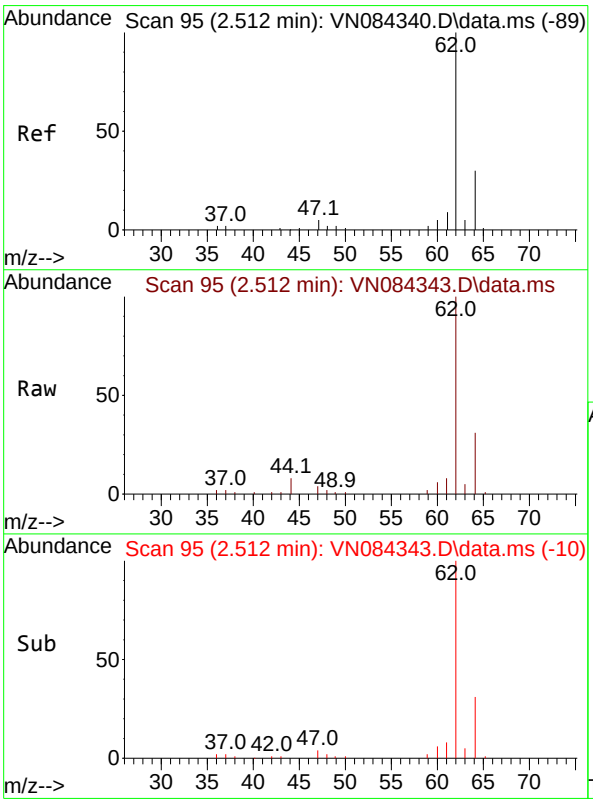
#3
Chloromethane
Concen: 19.953 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 50 Resp: 49667

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.8	38.6

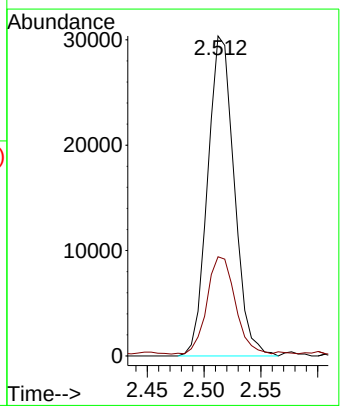


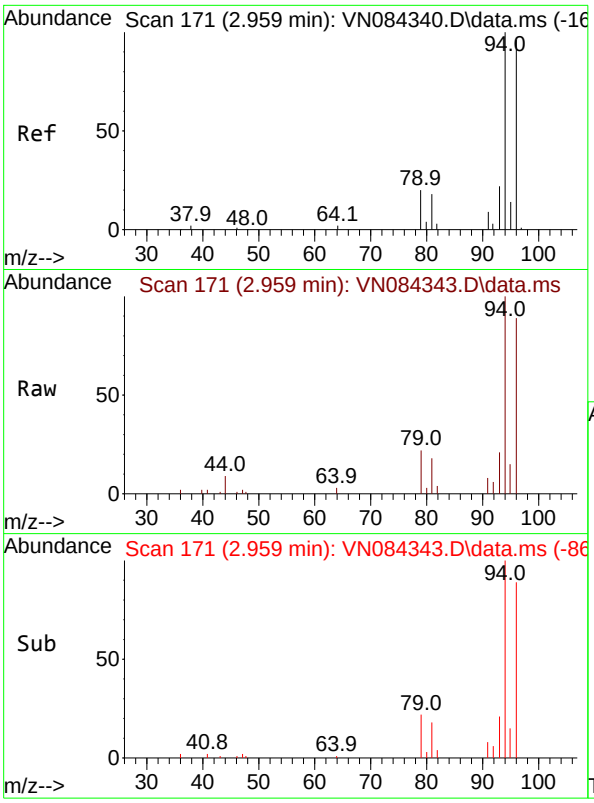


#4
Vinyl Chloride
Concen: 20.252 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 62 Resp: 49435

Ion	Ratio	Lower	Upper
62	100		
64	30.1	24.3	36.5



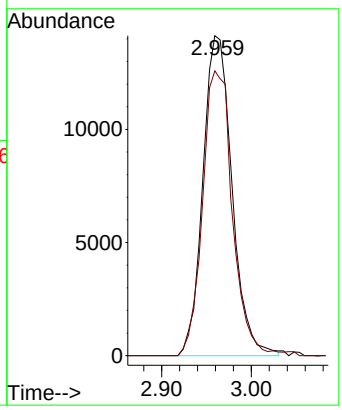


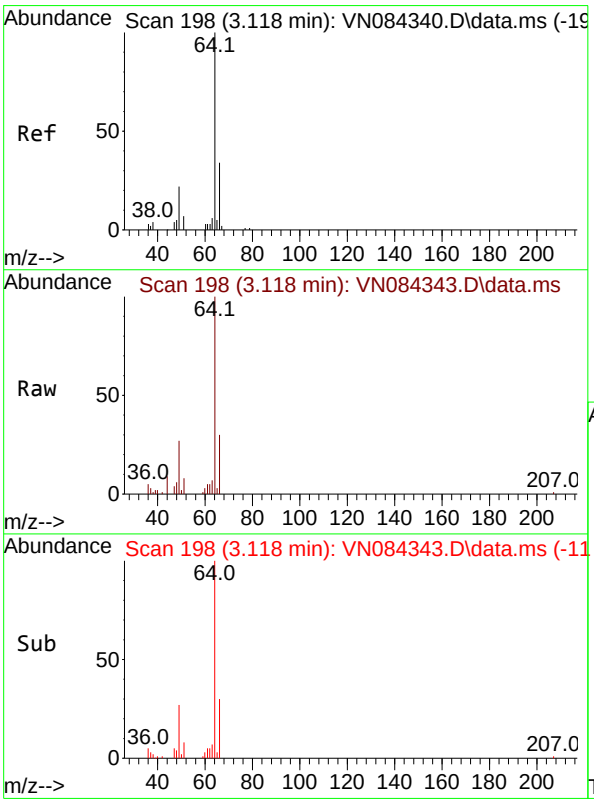
#5
Bromomethane
Concen: 19.713 ug/l
RT: 2.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 94 Resp: 31882

Ion	Ratio	Lower	Upper
94	100		
96	89.0	76.7	115.1

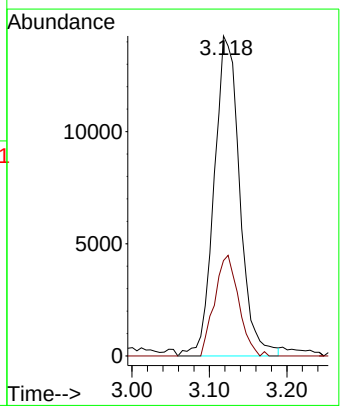


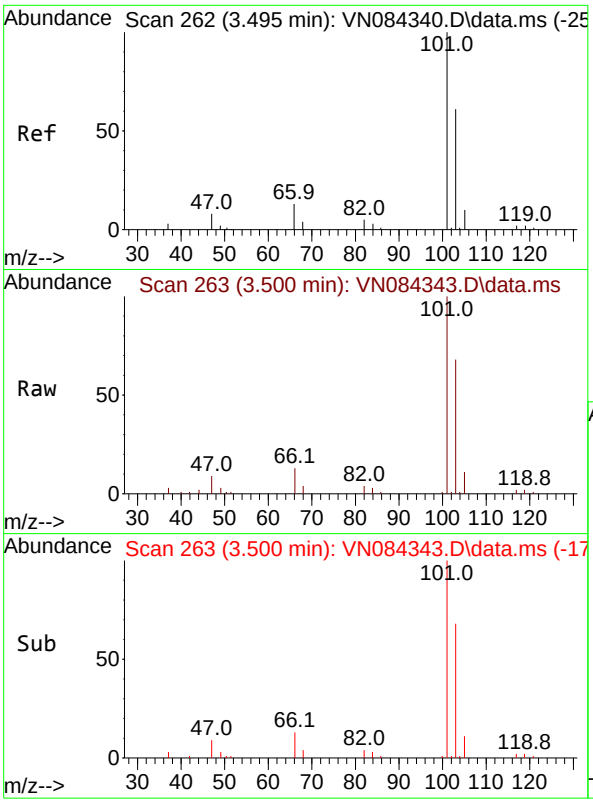


#6
Chloroethane
Concen: 20.448 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 64 Resp: 32723

Ion	Ratio	Lower	Upper
64	100		
66	29.8	27.7	41.5



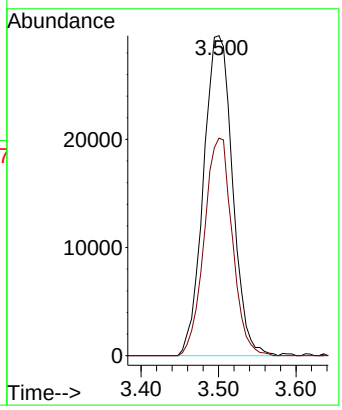


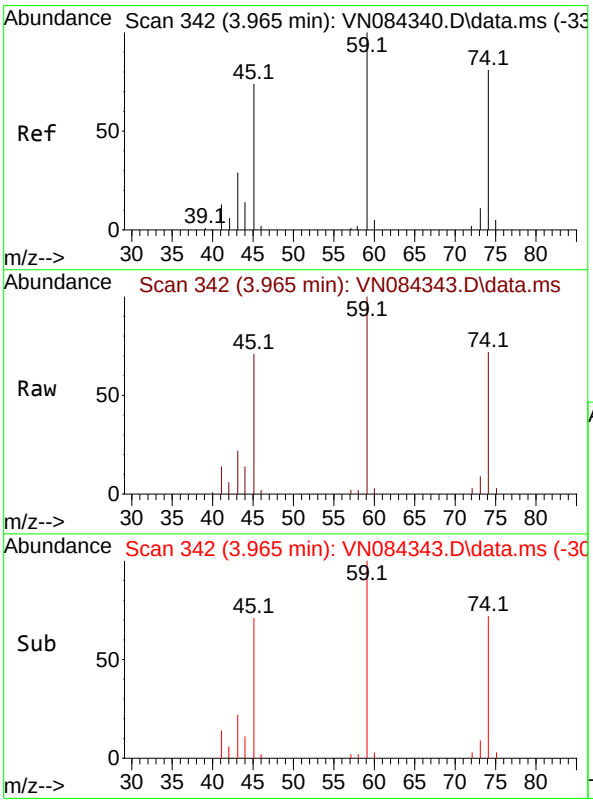
#7
Trichlorofluoromethane
Concen: 19.412 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:101 Resp: 77185

Ion	Ratio	Lower	Upper
101	100		
103	68.0	49.0	73.6

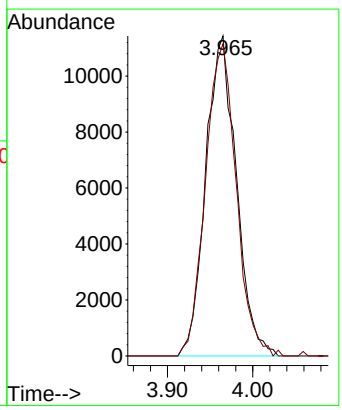


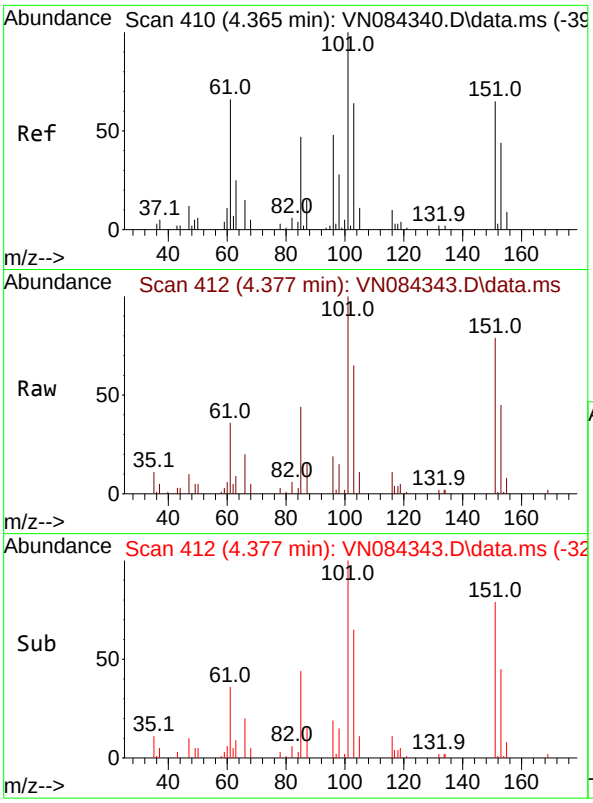


#8
Diethyl Ether
Concen: 19.540 ug/l
RT: 3.965 min Scan# 342
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 74 Resp: 28565

Ion	Ratio	Lower	Upper
74	100		
45	97.7	19.2	173.2



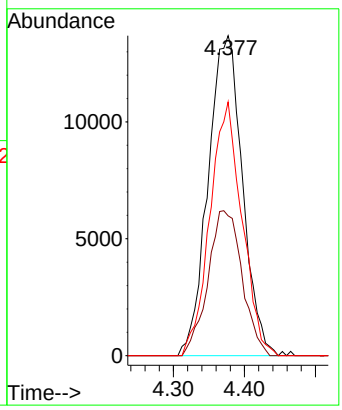


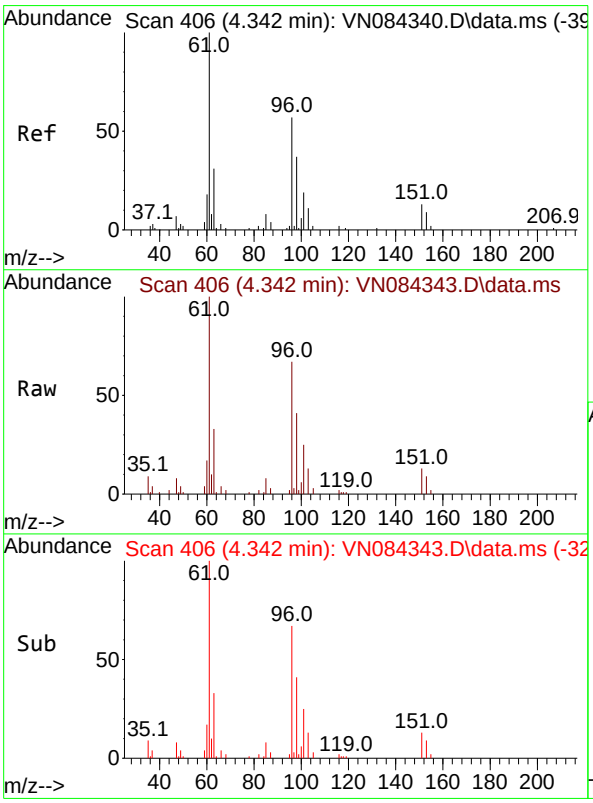
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.532 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:101 Resp: 45902

Ion	Ratio	Lower	Upper
101	100		
85	45.1	0.0	93.6
151	74.2	0.0	151.8

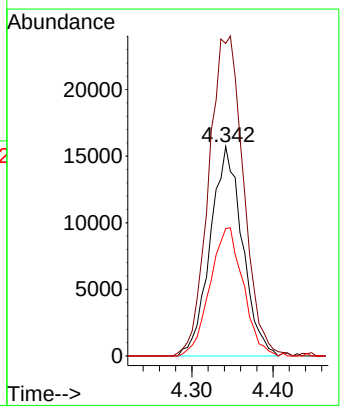


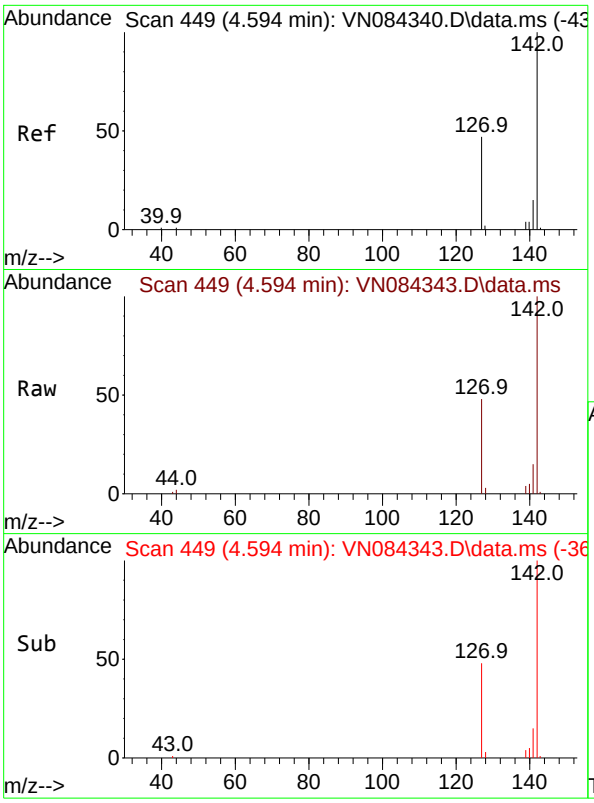


#10
1,1-Dichloroethene
Concen: 19.334 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 96 Resp: 43131

Ion	Ratio	Lower	Upper
96	100		
61	147.7	140.8	211.2
98	60.8	52.2	78.2



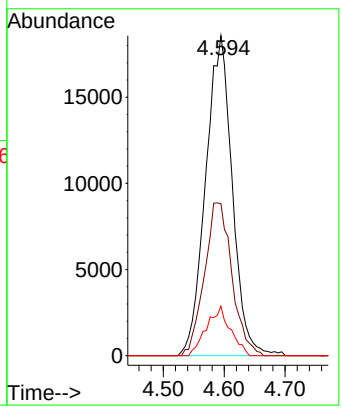


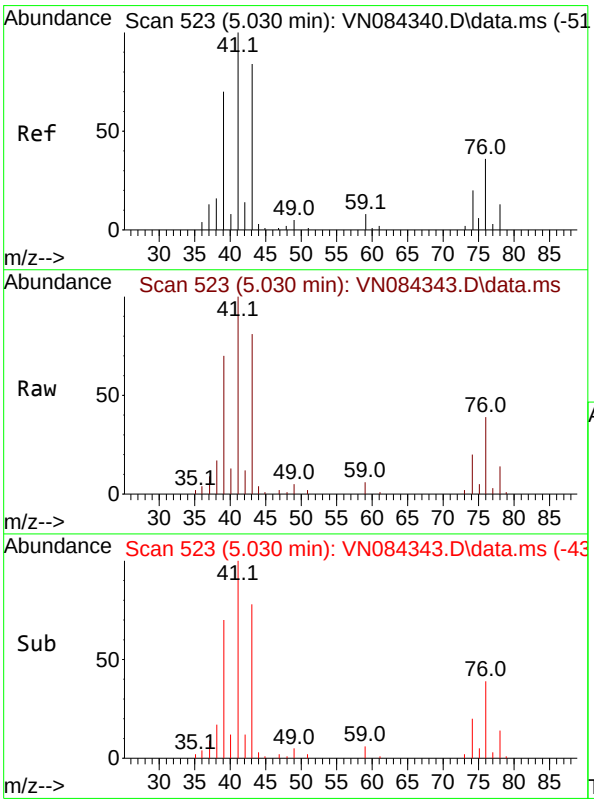
#11
Methyl Iodide
Concen: 19.255 ug/l
RT: 4.594 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:142 Resp: 56446

Ion	Ratio	Lower	Upper
142	100		
127	47.7	23.8	71.4
141	15.5	7.4	22.2

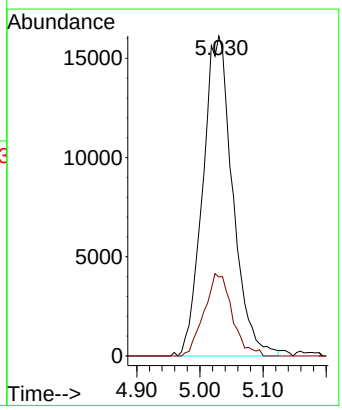


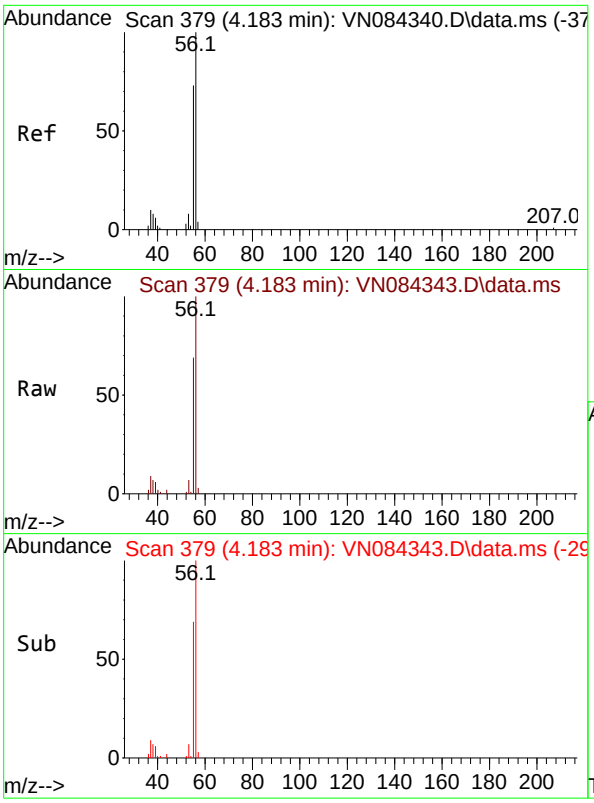


#12
Methyl Acetate
Concen: 18.975 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 52991

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.4	29.2



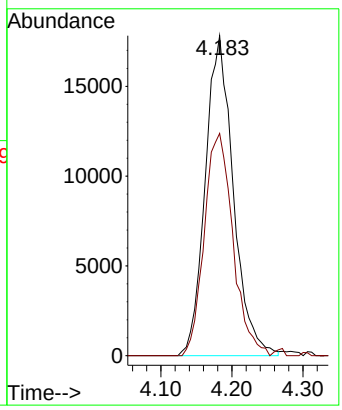


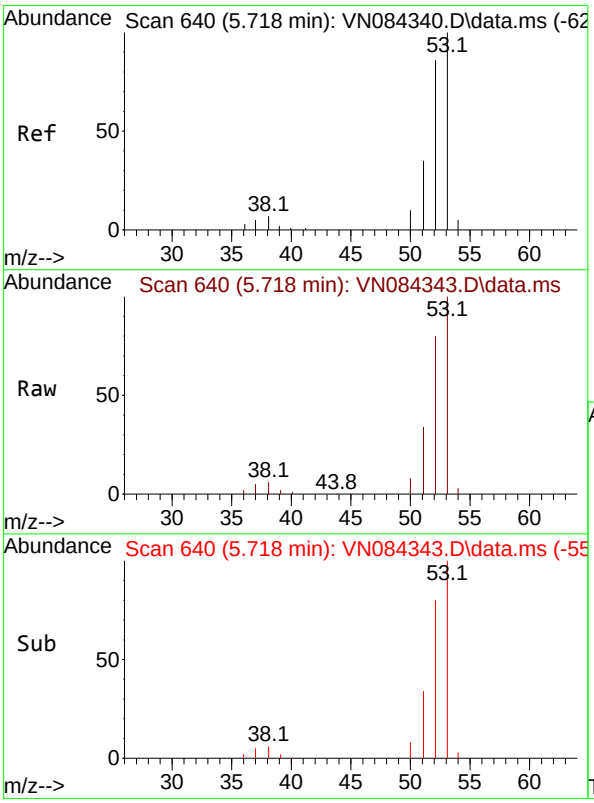
#13
Acrolein
Concen: 94.270 ug/l
RT: 4.183 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 56 Resp: 48906

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.4	84.6

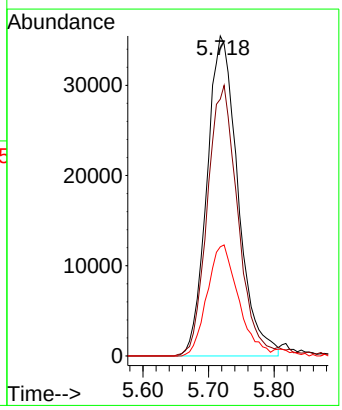


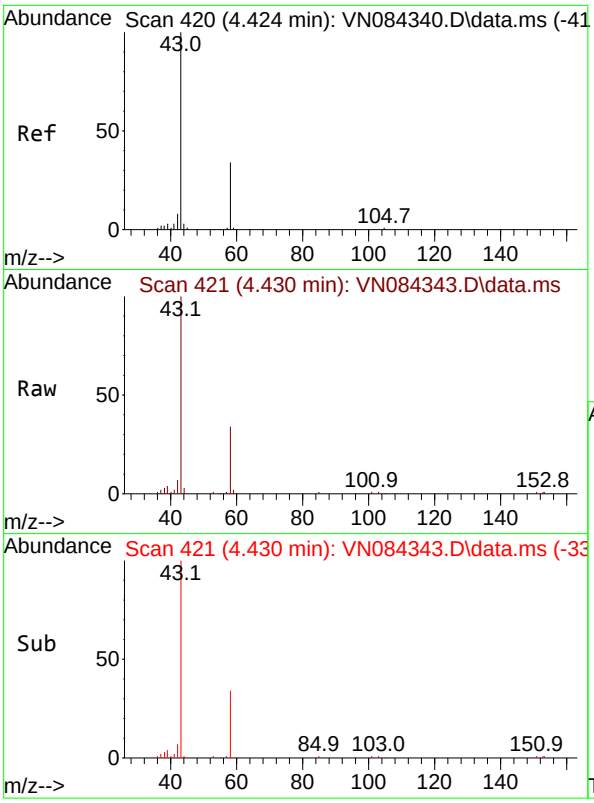


#14
Acrylonitrile
Concen: 92.817 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 53 Resp: 116456

Ion	Ratio	Lower	Upper
53	100		
52	82.6	40.4	121.2
51	35.0	17.8	53.4



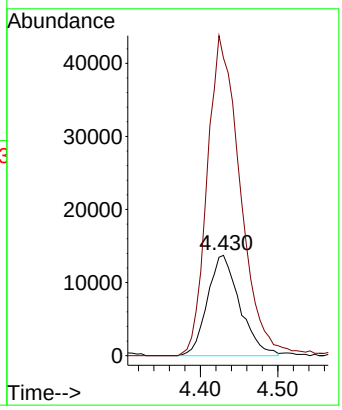


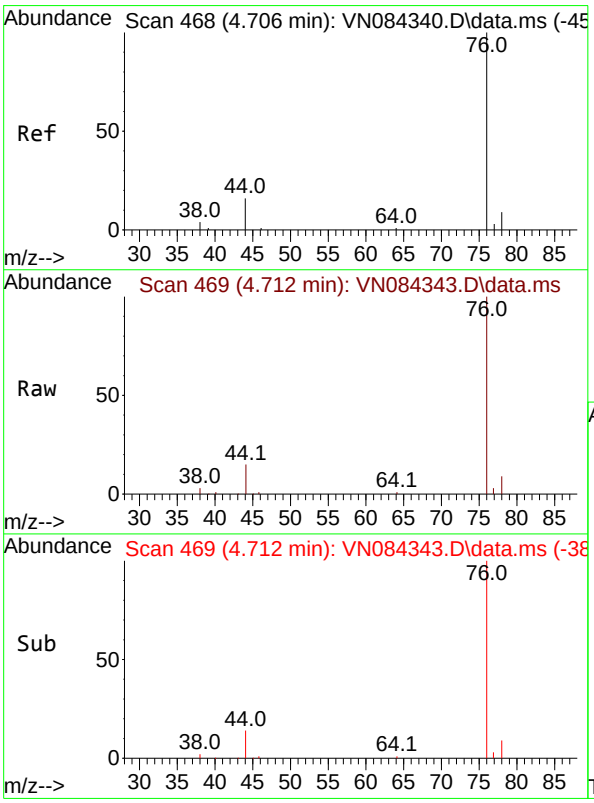
#15
Acetone
Concen: 111.112 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 58 Resp: 39824

Ion	Ratio	Lower	Upper
58	100		
43	296.4	237.5	356.3

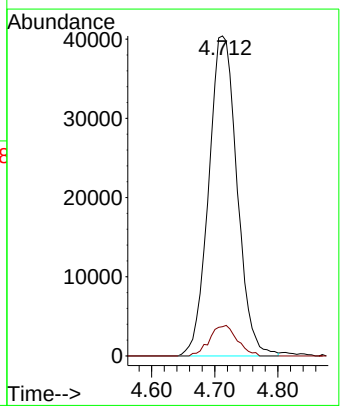


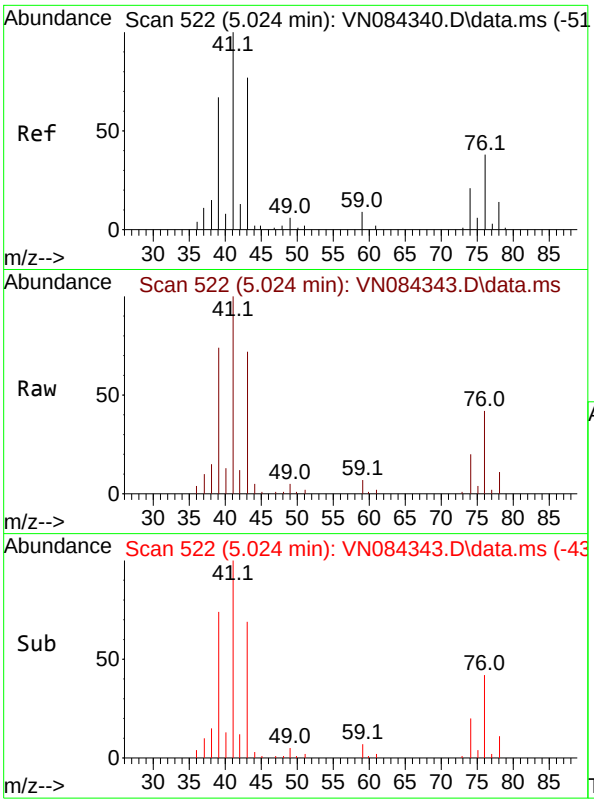


#16
Carbon Disulfide
Concen: 19.006 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 76 Resp: 126253

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7



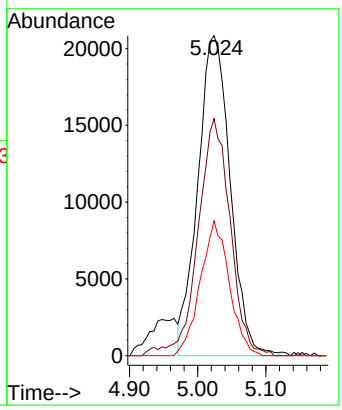


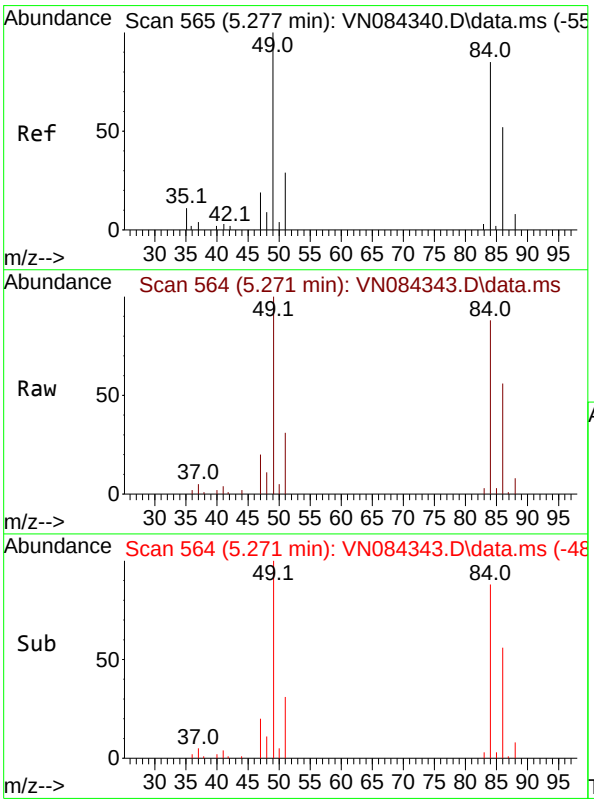
#17
Allyl chloride
Concen: 19.060 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 41 Resp: 68924

Ion	Ratio	Lower	Upper
41	100		
39	74.8	31.4	94.3
76	42.5	17.8	53.5

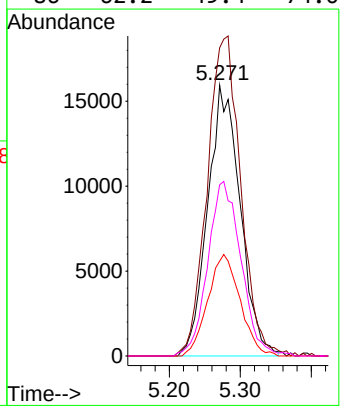


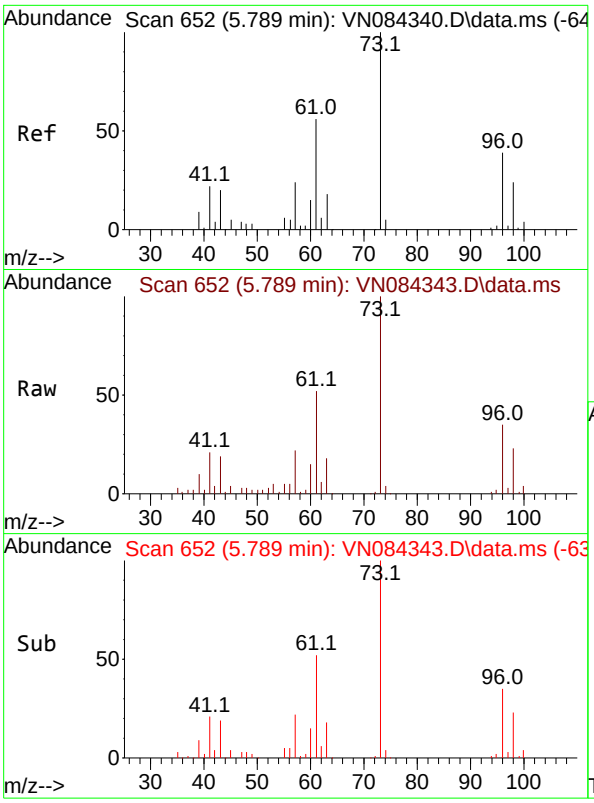


#18
Methylene Chloride
Concen: 20.135 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 84 Resp: 50598

Ion	Ratio	Lower	Upper
84	100		
49	112.6	94.6	142.0
51	35.0	27.3	40.9
86	62.2	49.4	74.0



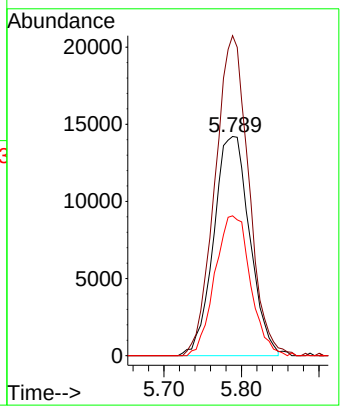


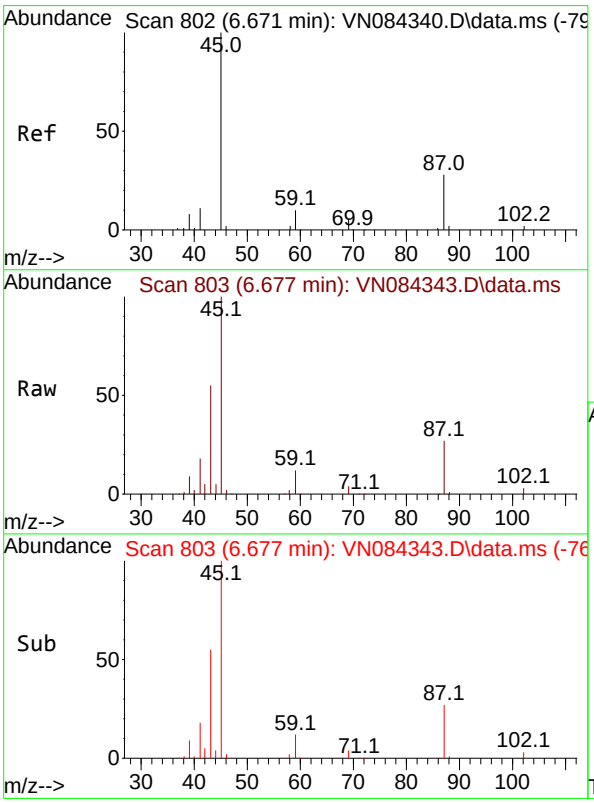
#19
trans-1,2-Dichloroethene
Concen: 19.434 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 96 Resp: 45883

Ion	Ratio	Lower	Upper
96	100		
61	146.0	115.8	173.6
98	63.8	49.4	74.0

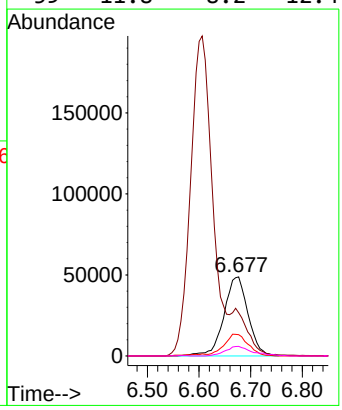


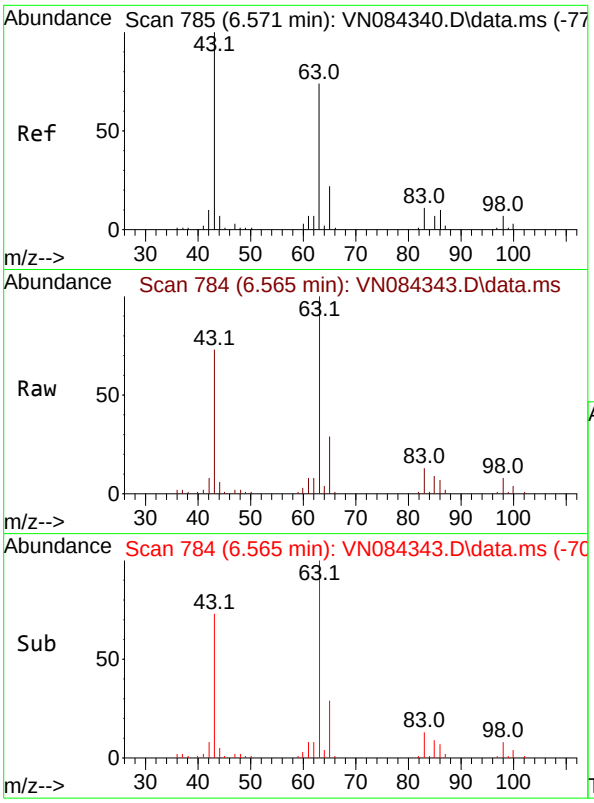


#20
Diisopropyl ether
Concen: 20.360 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 45 Resp: 158301

Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.7	65.5
87	26.9	23.1	34.7
59	11.8	8.2	12.4



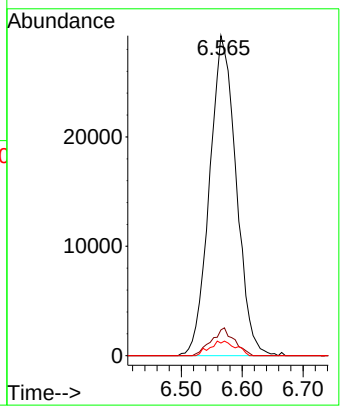


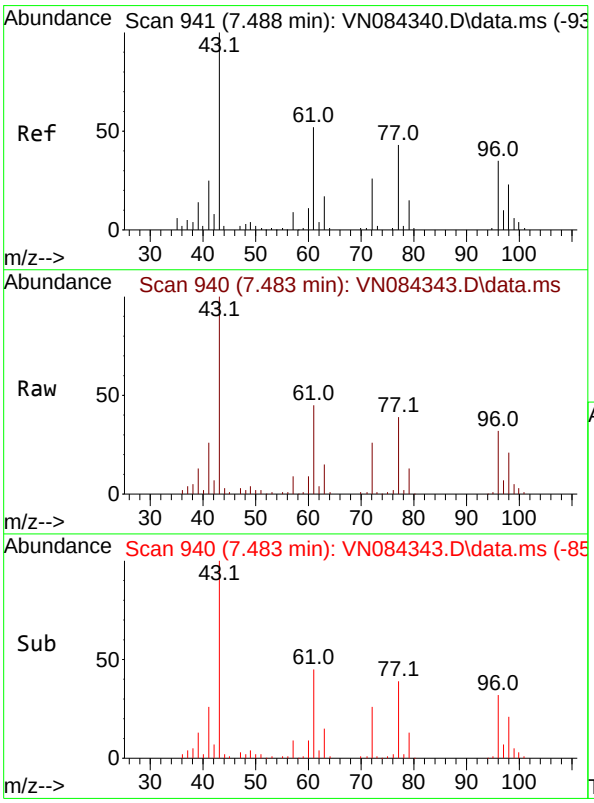
#21
1,1-Dichloroethane
Concen: 19.948 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 63 Resp: 88993

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.5	13.4
100	3.9	2.1	6.3

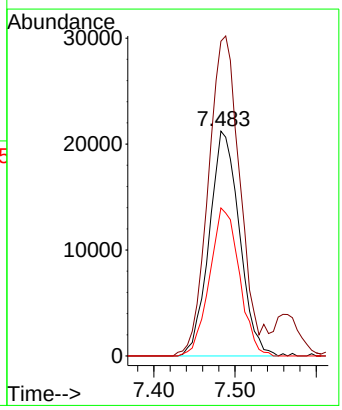


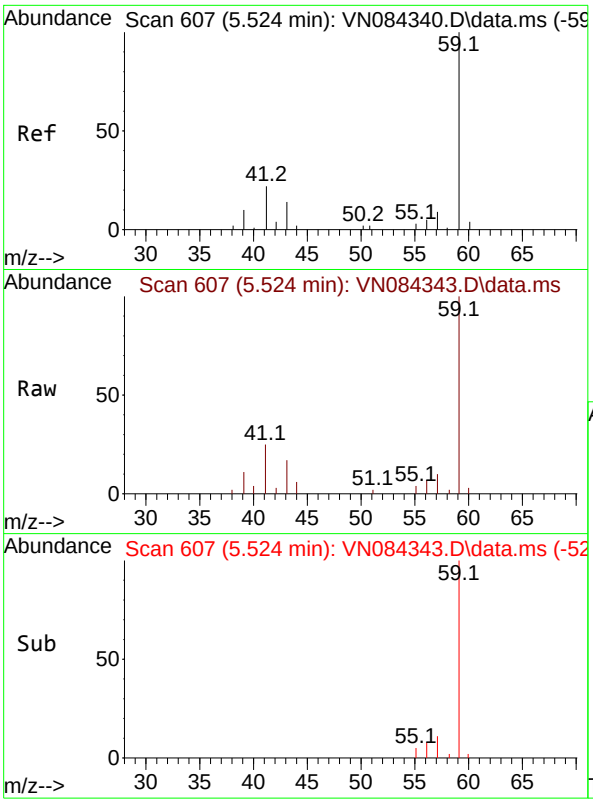


#22
cis-1,2-Dichloroethene
Concen: 19.943 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 96 Resp: 54789

Ion	Ratio	Lower	Upper
96	100		
61	147.5	118.0	177.0
98	64.9	51.8	77.8



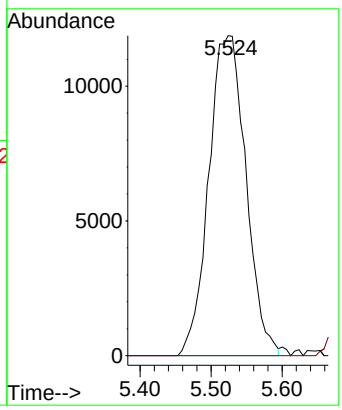


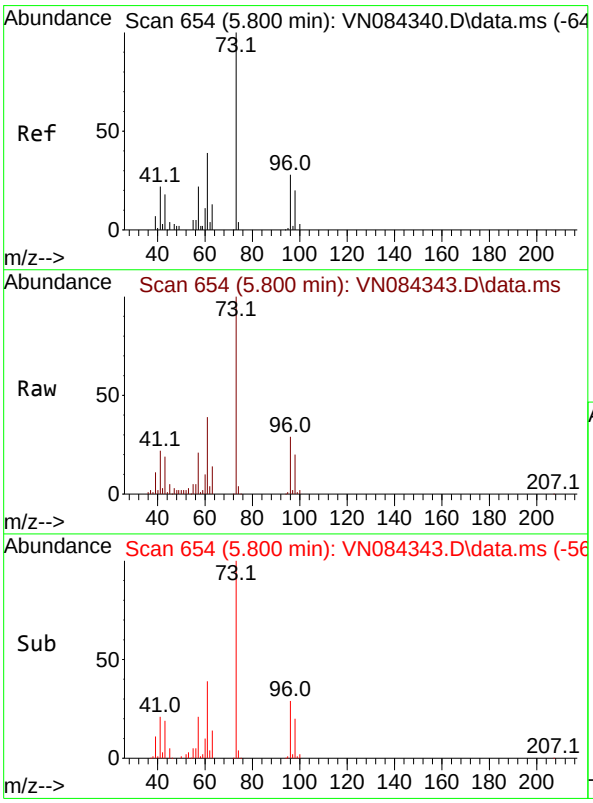
#23
tert-Butyl Alcohol
Concen: 89.659 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 59 Resp: 43150

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

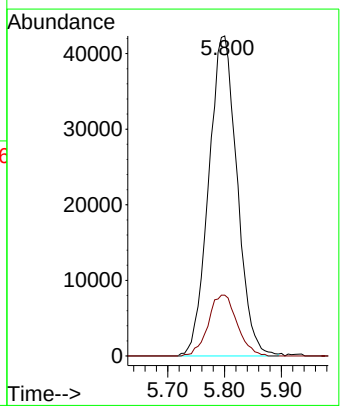


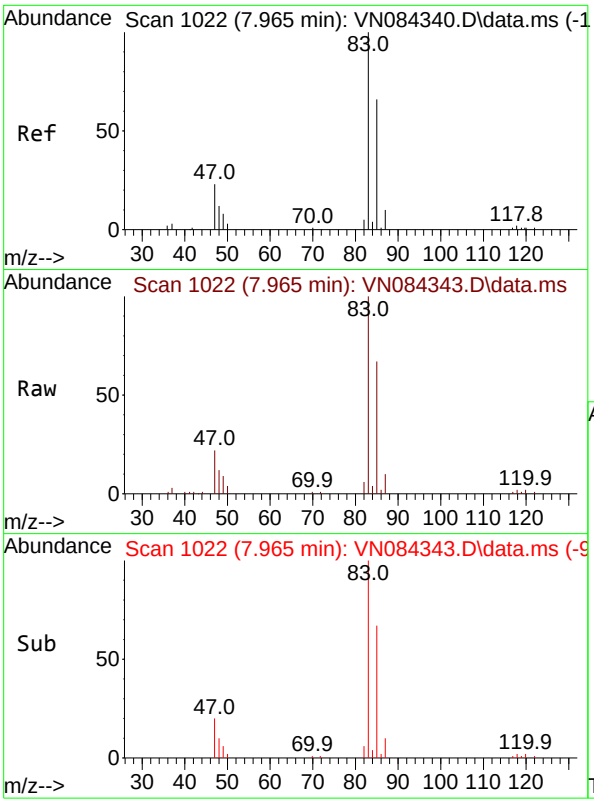


#24
Methyl tert-Butyl Ether
Concen: 19.696 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 73 Resp: 146831

Ion	Ratio	Lower	Upper
73	100		
43	19.2	10.9	16.3#



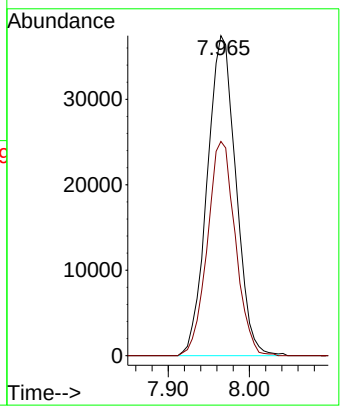


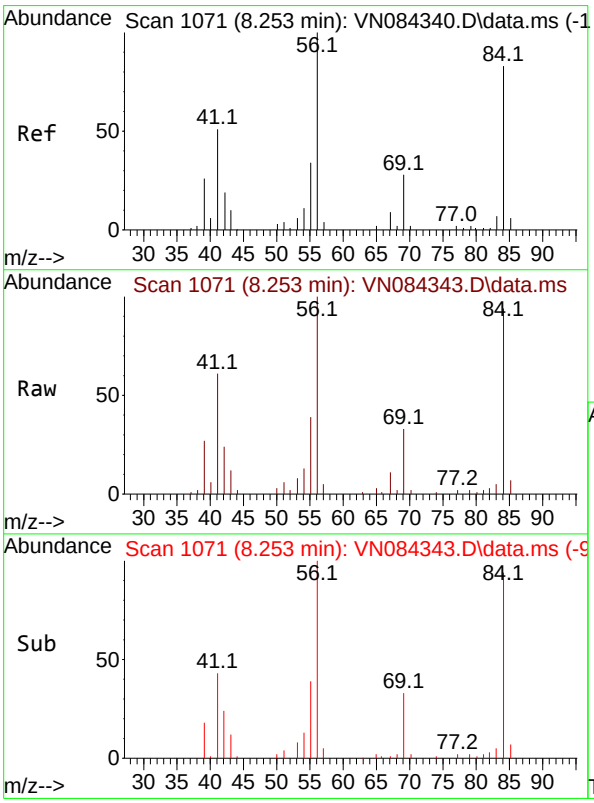
#25
Chloroform
Concen: 20.334 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 83 Resp: 91875

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6

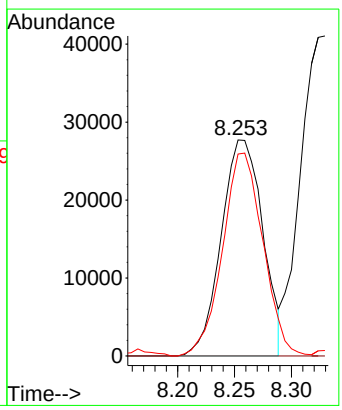


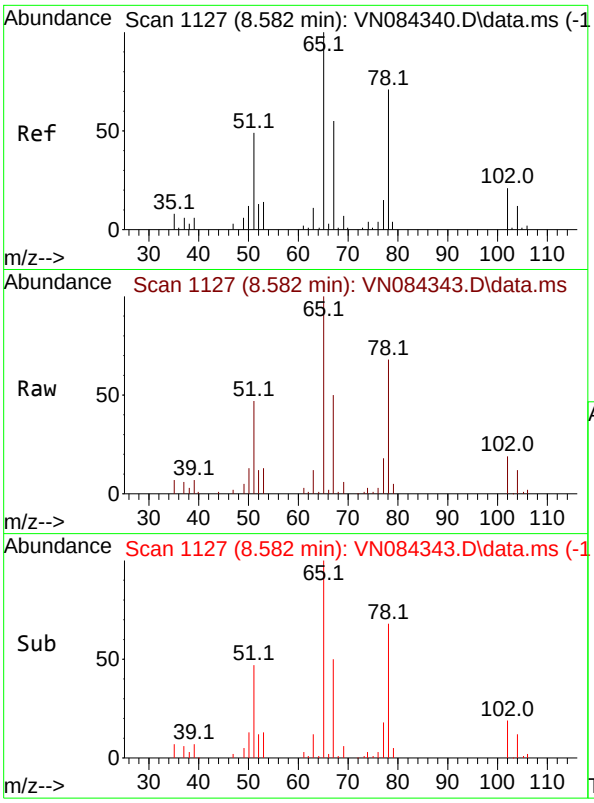


#26
Cyclohexane
Concen: 18.931 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 56 Resp: 70636

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	91.3	67.0	100.6



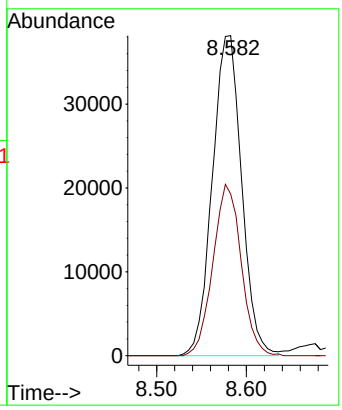


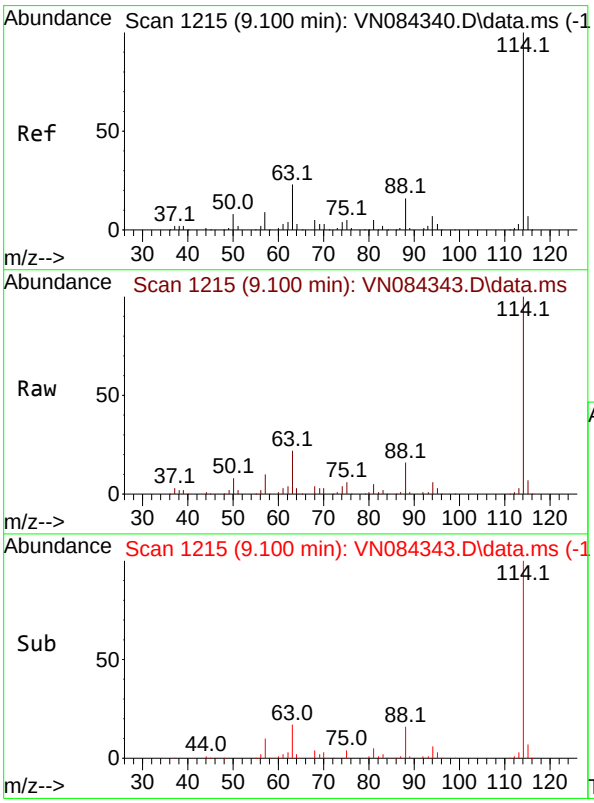
#27
1,2-Dichloroethane-d4
Concen: 30.009 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 65 Resp: 86558

Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.5	62.3

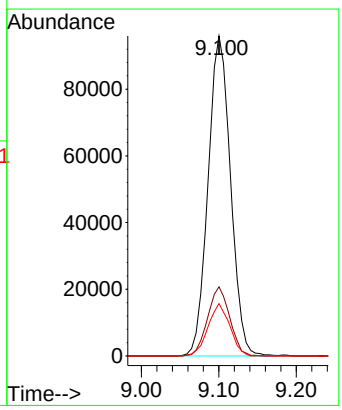


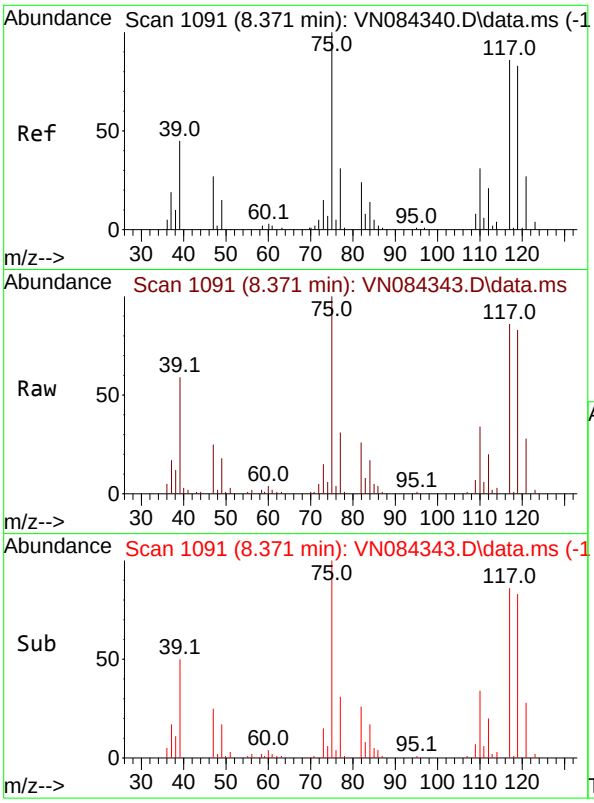


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:114 Resp: 193781

Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.4	26.0
88	15.8	13.2	19.8



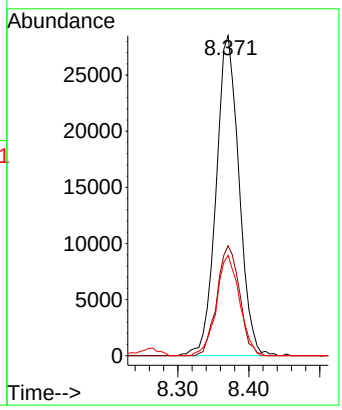


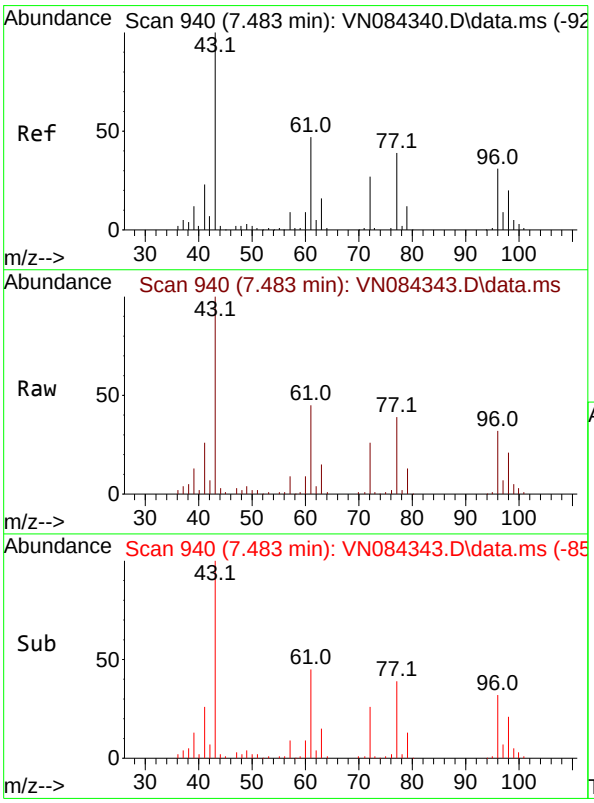
#29
1,1-Dichloropropene
Concen: 20.028 ug/l
RT: 8.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 75 Resp: 63709

Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	67.6
77	31.6	0.0	61.4

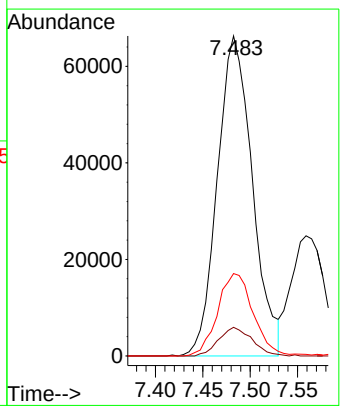


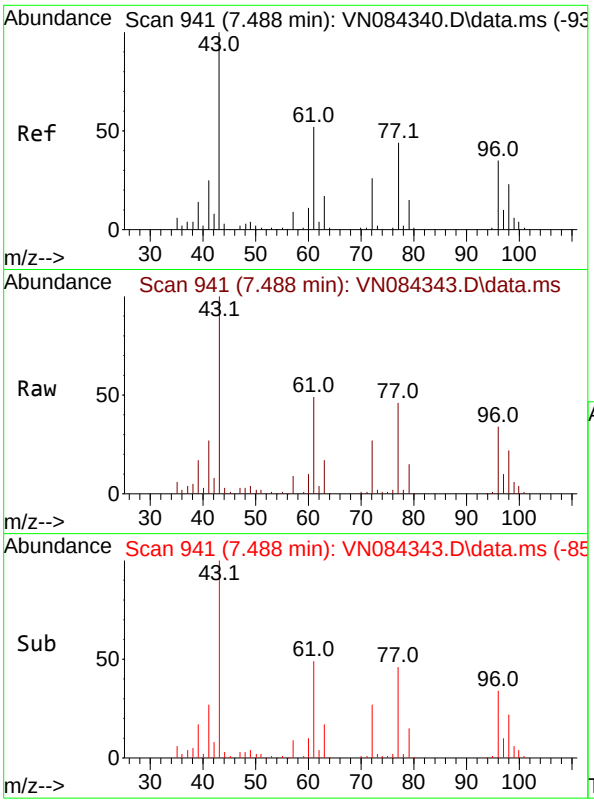


#30
2-Butanone
Concen: 100.675 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 170510

Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.6	9.8
72	26.0	21.3	31.9



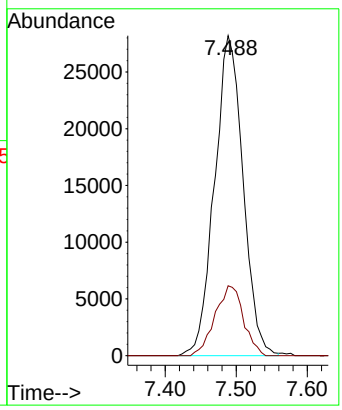


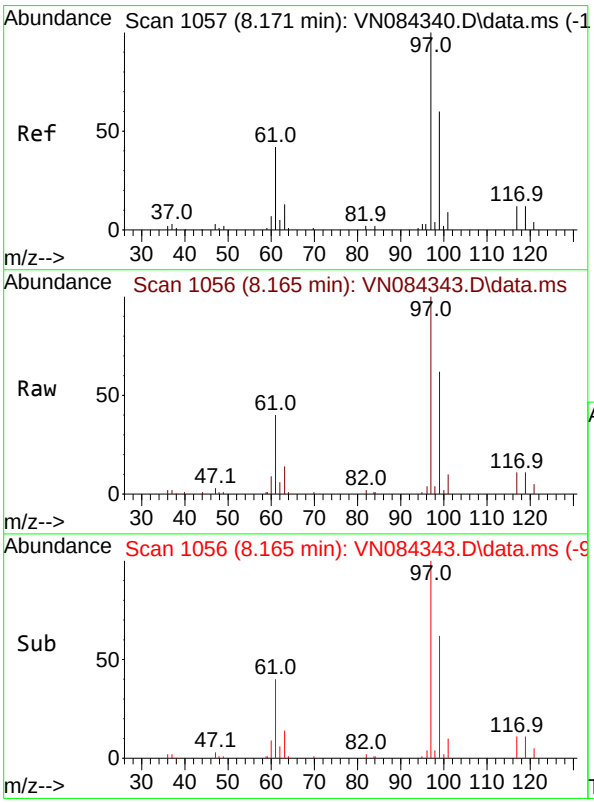
#31
2,2-Dichloropropane
Concen: 21.007 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 77 Resp: 78528

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.5	17.3#

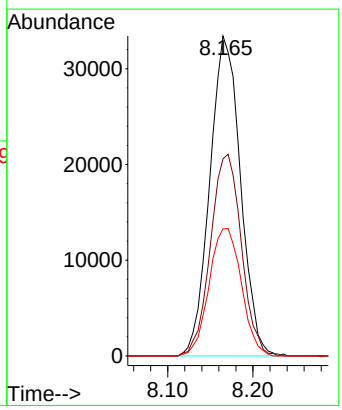


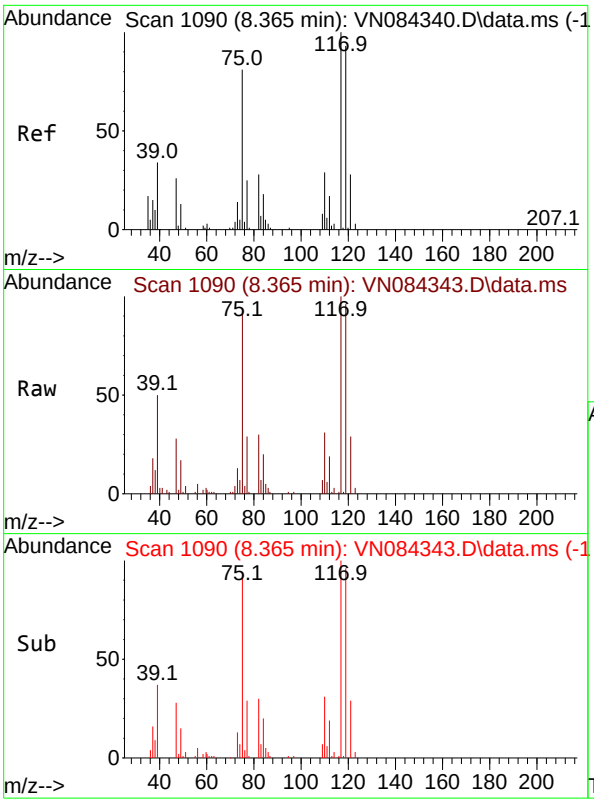


#32
1,1,1-Trichloroethane
Concen: 20.543 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 97 Resp: 83527

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	41.9	34.1	51.1



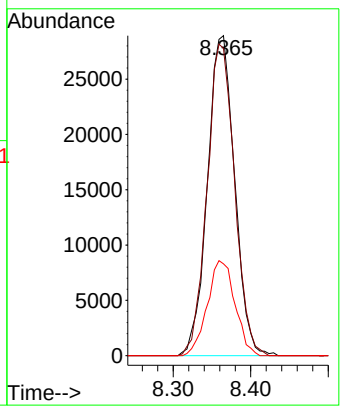


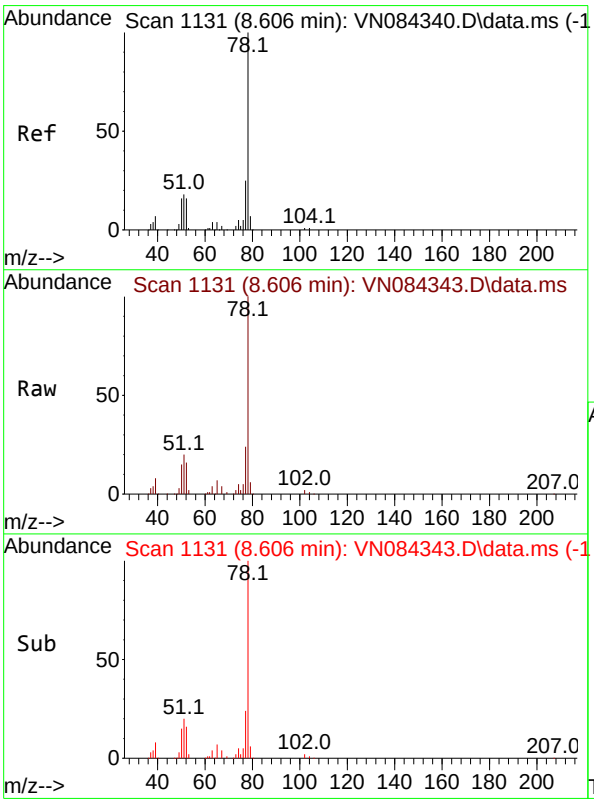
#33
Carbon Tetrachloride
Concen: 20.040 ug/l
RT: 8.365 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:117 Resp: 70593

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.3	111.5
121	28.7	22.4	33.6

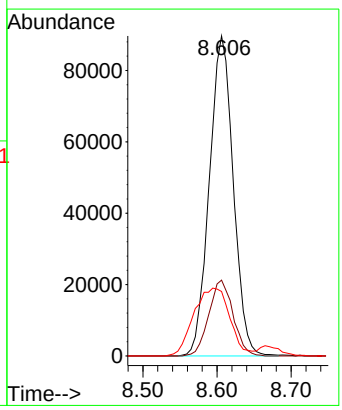


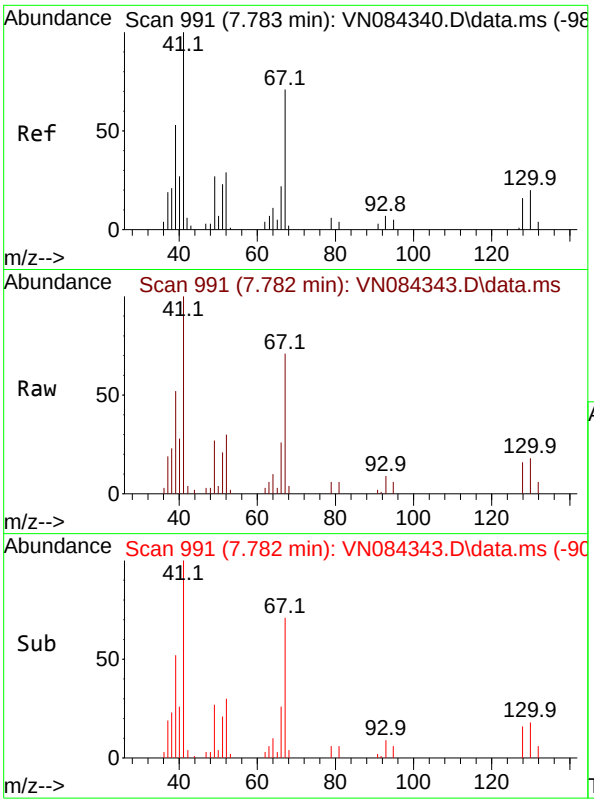


#34
Benzene
Concen: 20.195 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 78 Resp: 201095

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4
51	18.7	15.8	23.6



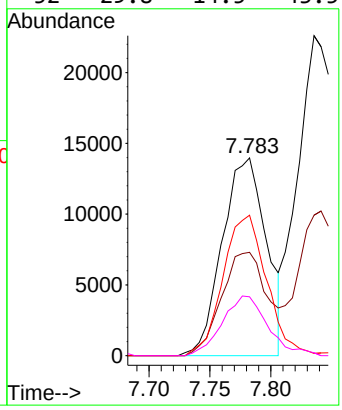


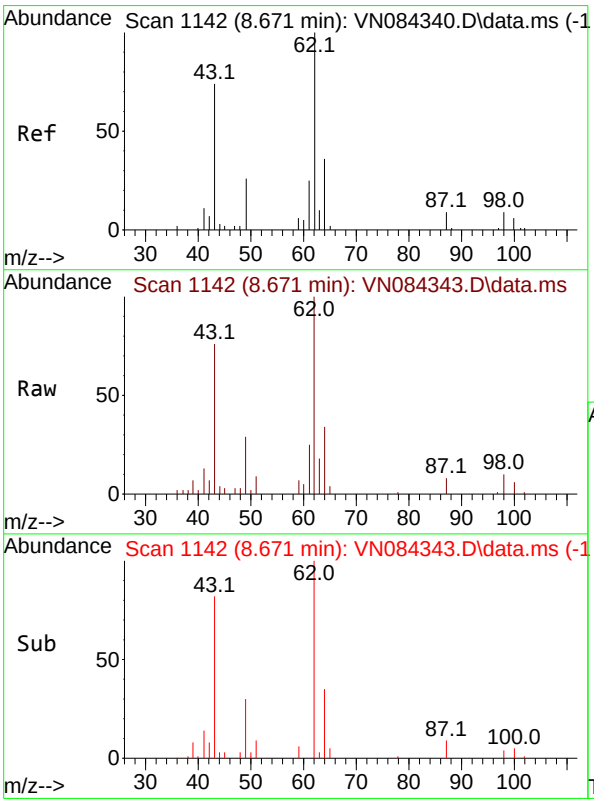
#35
Methacrylonitrile
Concen: 19.515 ug/l
RT: 7.782 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 41 Resp: 35261

Ion	Ratio	Lower	Upper
41	100		
39	52.3	26.4	79.0
67	71.0	35.7	107.1
52	29.8	14.5	43.5

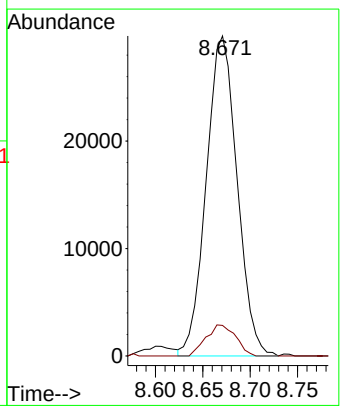


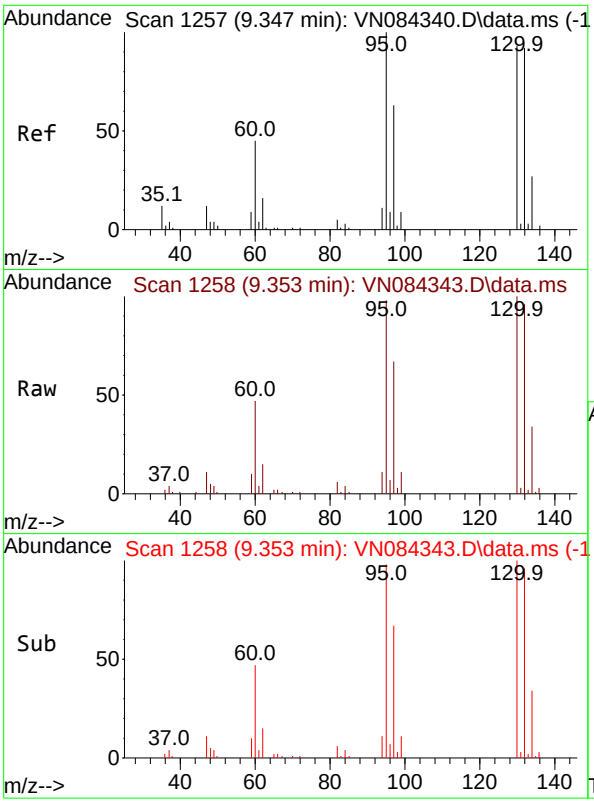


#36
1,2-Dichloroethane
Concen: 20.321 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 62 Resp: 67448

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9



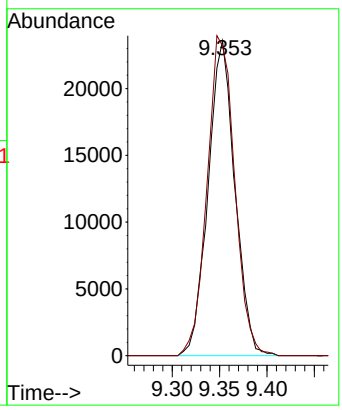


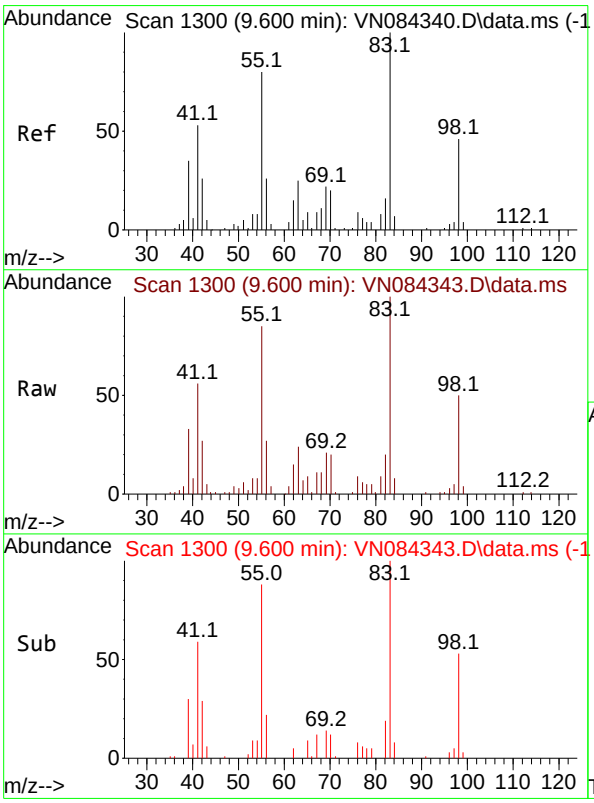
#37
Trichloroethene
Concen: 20.265 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:130 Resp: 46466

Ion	Ratio	Lower	Upper
130	100		
95	98.4	85.8	128.6

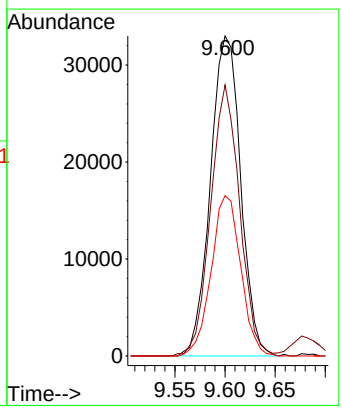


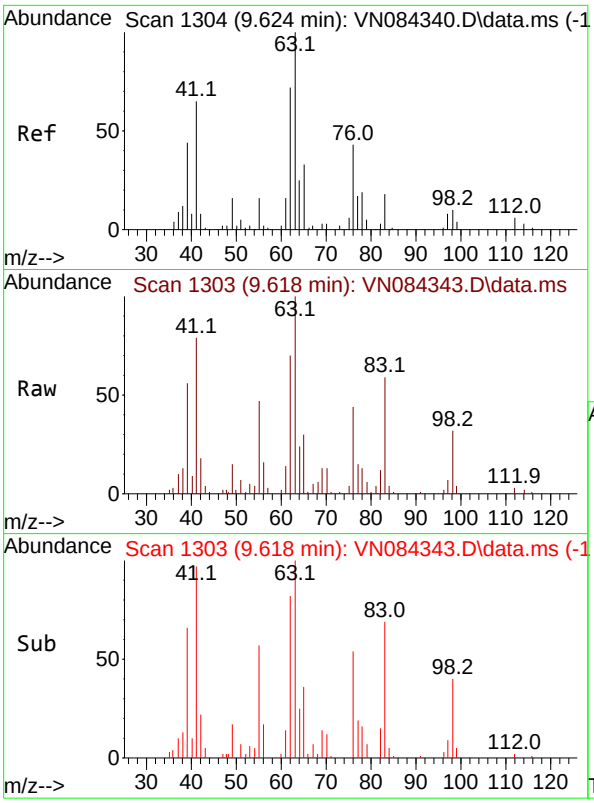


#38
Methylcyclohexane
Concen: 19.810 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 83 Resp: 69219

Ion	Ratio	Lower	Upper
83	100		
55	81.0	39.3	117.8
98	49.0	24.0	72.0



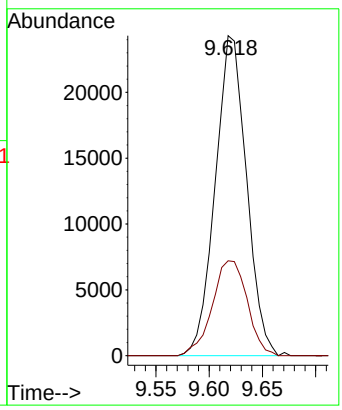


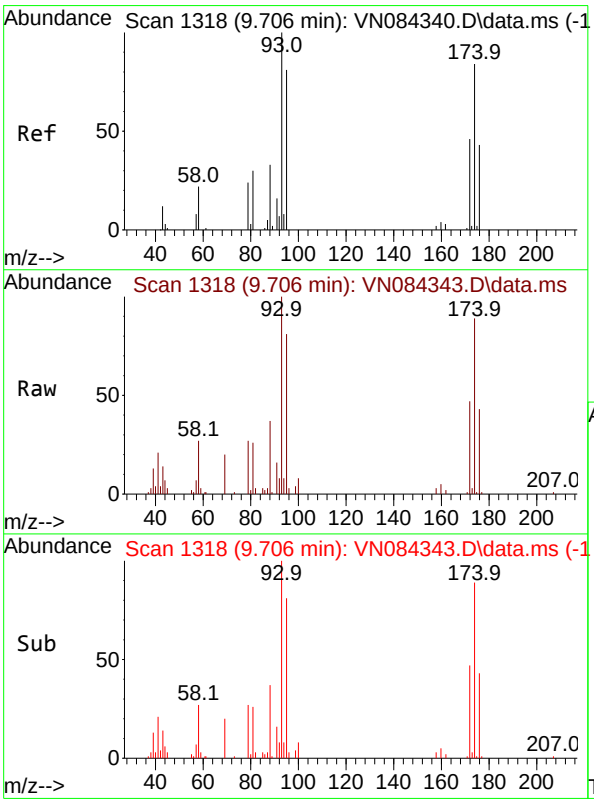
#39
1,2-Dichloropropane
Concen: 20.404 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 63 Resp: 49546

Ion	Ratio	Lower	Upper
63	100		
65	29.6	26.3	39.5

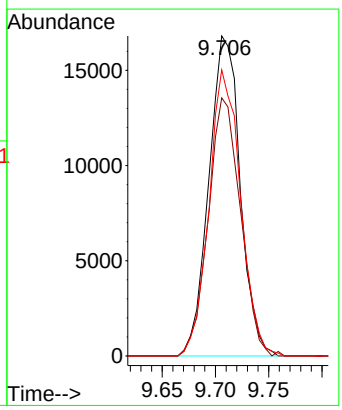


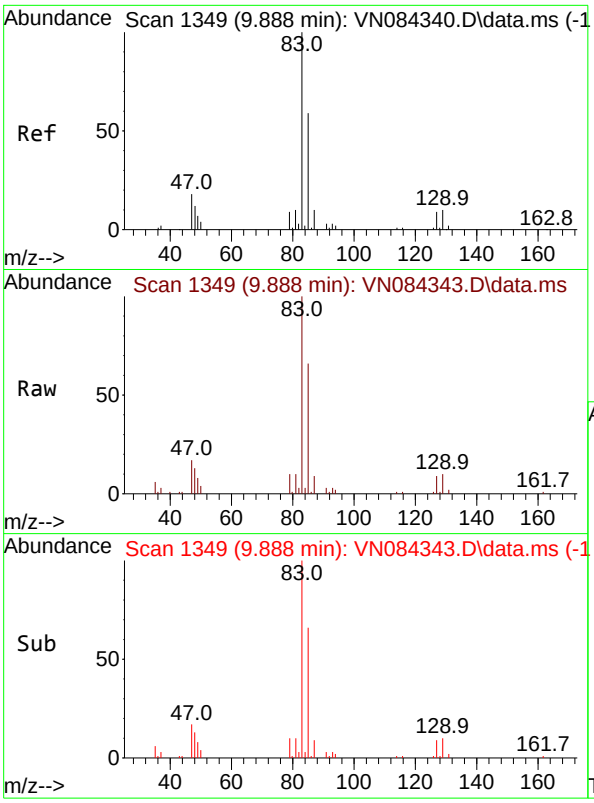


#40
Dibromomethane
Concen: 20.242 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 93 Resp: 34353

Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	171.4
174	89.9	0.0	183.0



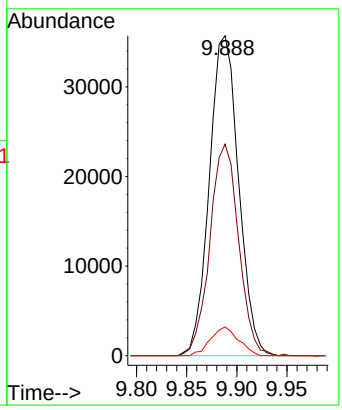


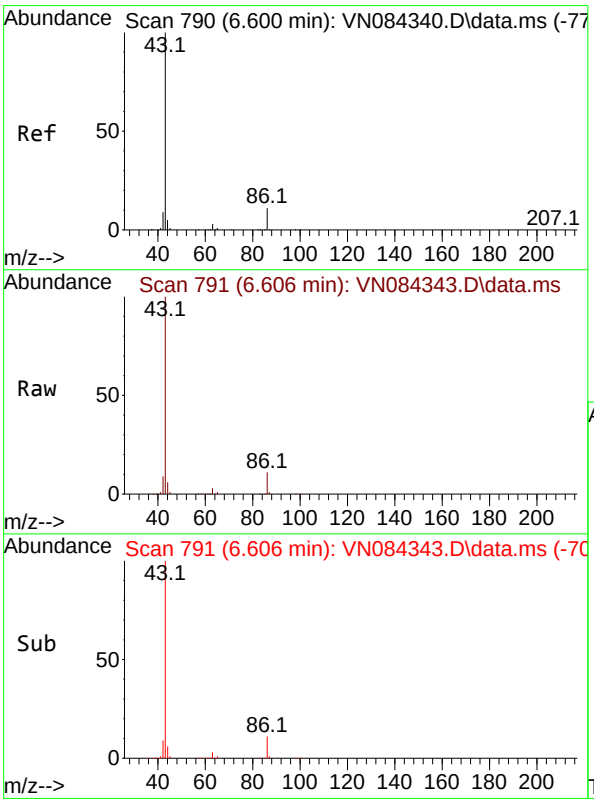
#41
Bromodichloromethane
Concen: 20.087 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 83 Resp: 72371

Ion	Ratio	Lower	Upper
83	100		
85	66.1	47.1	70.7
127	9.0	7.1	10.7

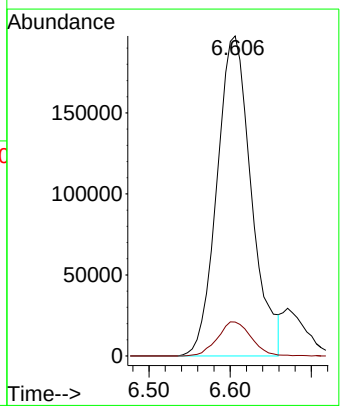


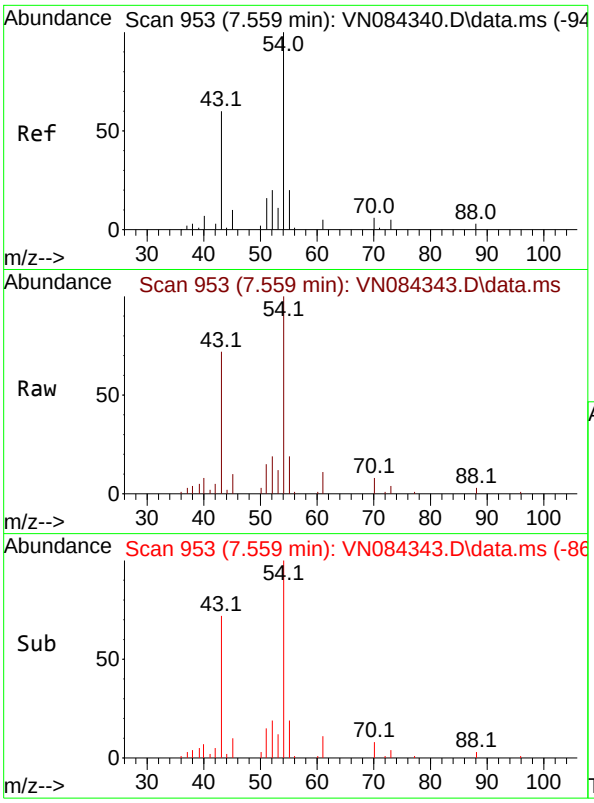


#42
Vinyl Acetate
Concen: 98.798 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 581959

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7



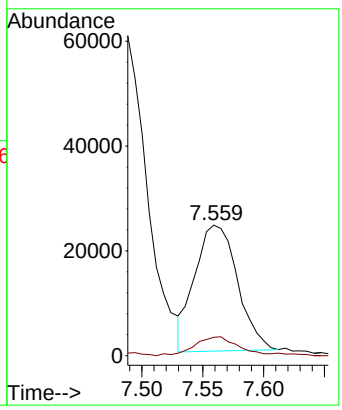


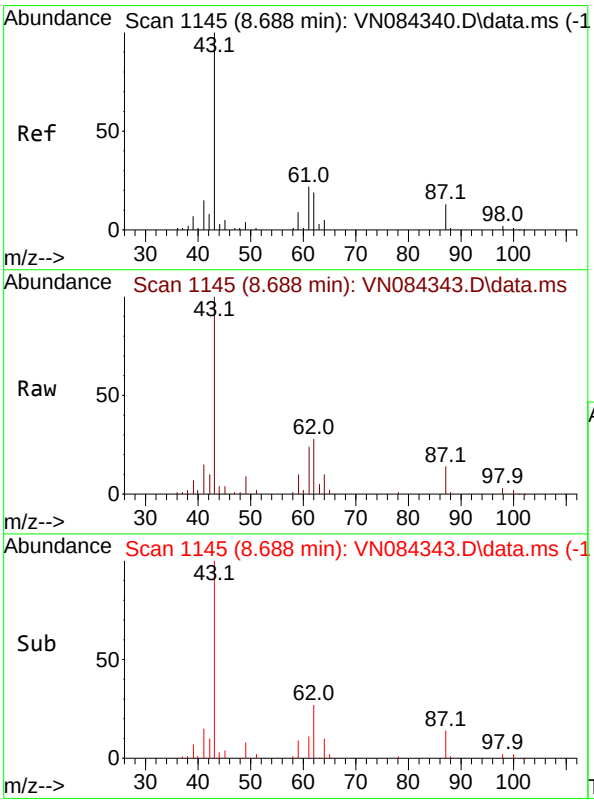
#43
Ethyl Acetate
Concen: 17.584 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 43 Resp: 58736

Ion	Ratio	Lower	Upper
43	100		
45	14.8	10.6	16.0

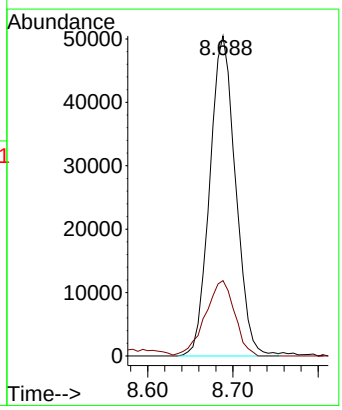


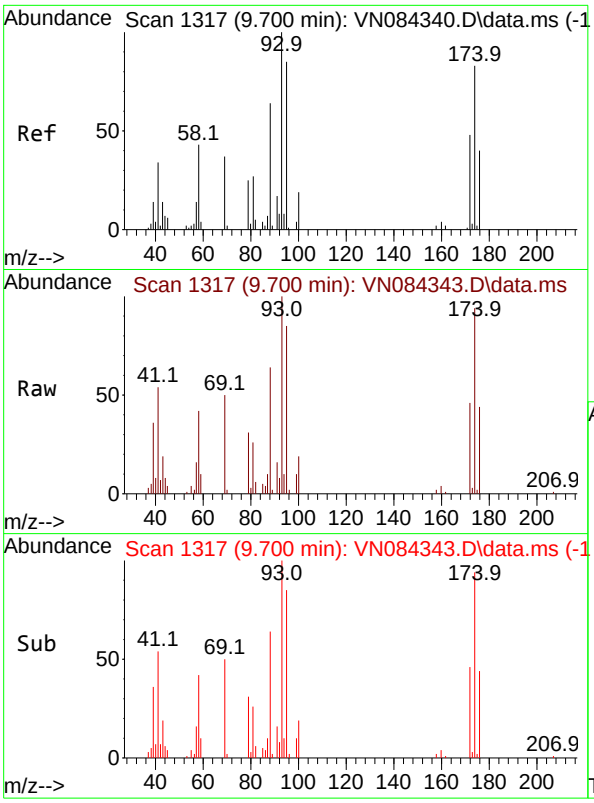


#44
Isopropyl Acetate
Concen: 19.419 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 106167

Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2



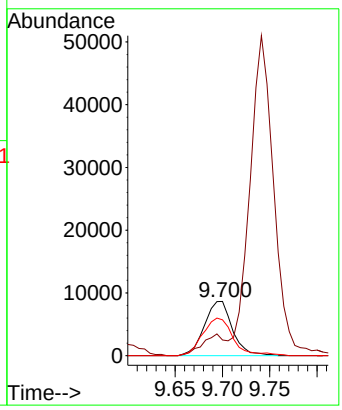


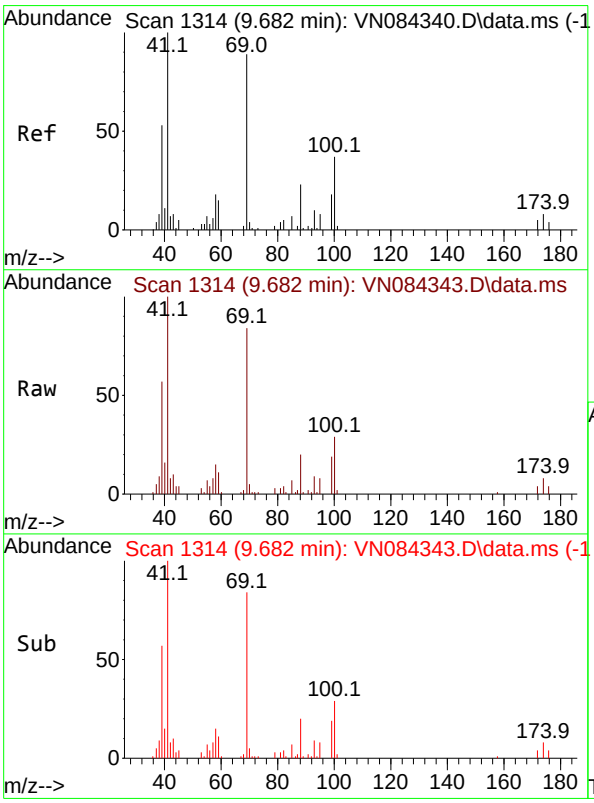
#45
1,4-Dioxane
Concen: 360.927 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 88 Resp: 17788

Ion	Ratio	Lower	Upper
88	100		
43	33.5	22.4	33.6
58	73.5	59.7	89.5

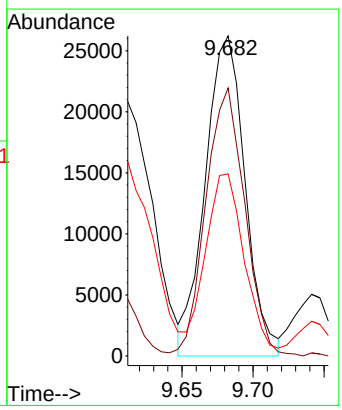


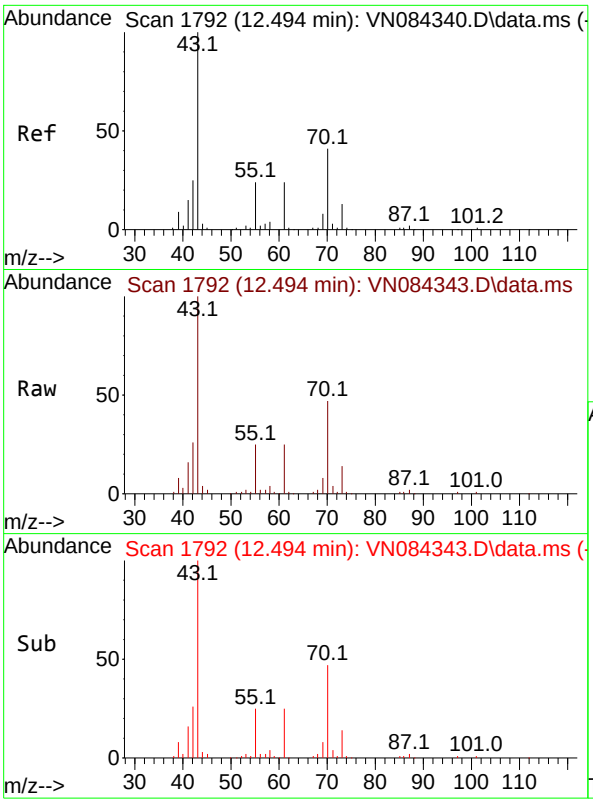


#46
Methyl methacrylate
Concen: 19.353 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 41 Resp: 51122

Ion	Ratio	Lower	Upper
41	100		
69	87.1	42.6	128.0
39	57.6	27.5	82.4



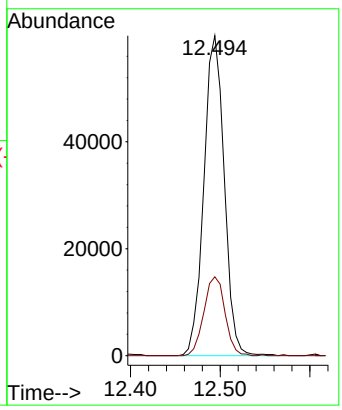


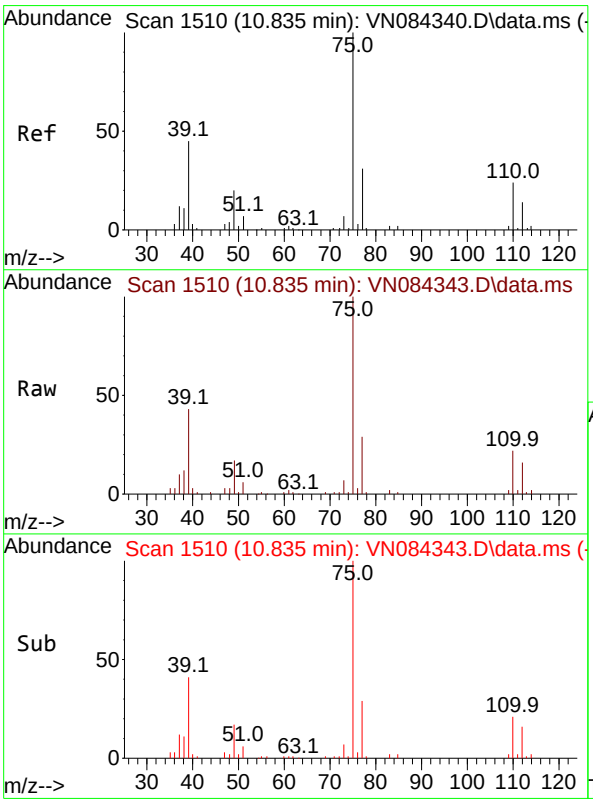
#47
n-amyl Acetate
Concen: 19.421 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 43 Resp: 94442

Ion	Ratio	Lower	Upper
43	100		
55	25.5	20.6	31.0

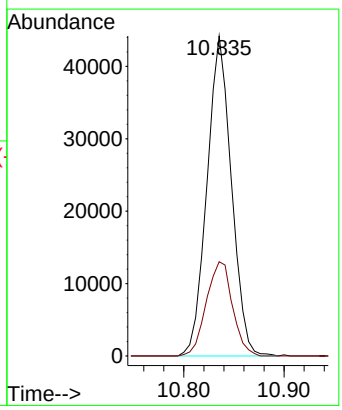


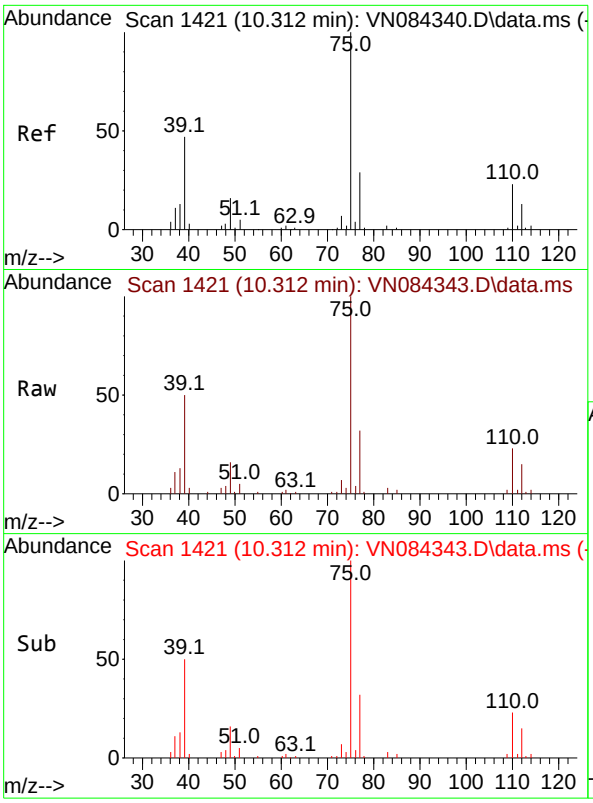


#48
t-1,3-Dichloropropene
Concen: 20.107 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 74857

Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.6	37.0



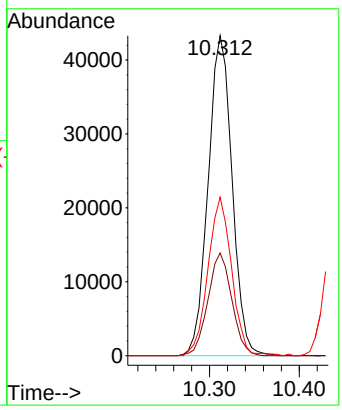


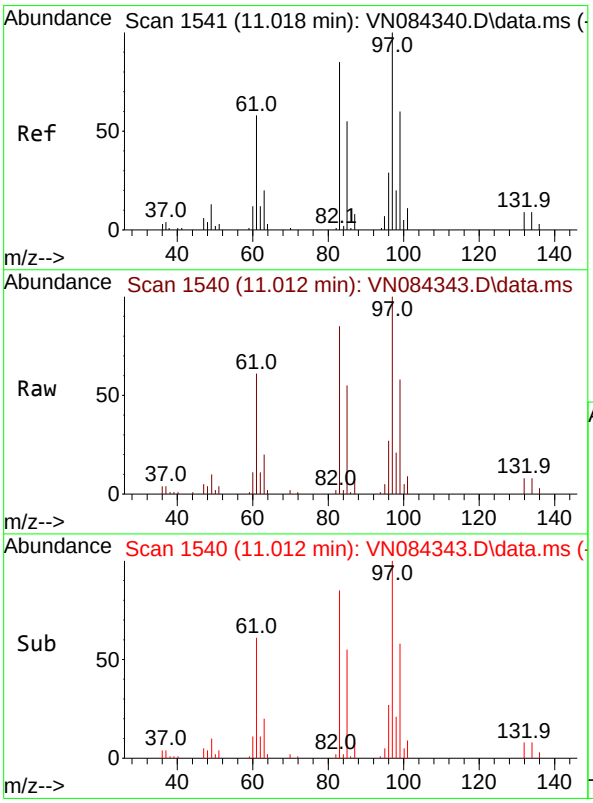
#49
cis-1,3-Dichloropropene
Concen: 20.591 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 75 Resp: 80340

Ion	Ratio	Lower	Upper
75	100		
77	32.1	22.9	34.3
39	49.5	37.4	56.2

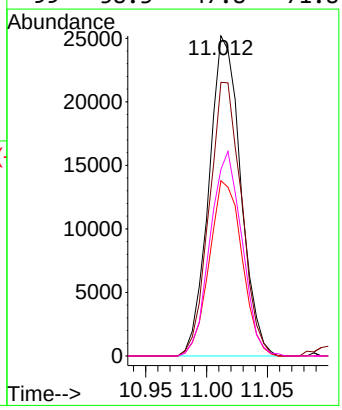


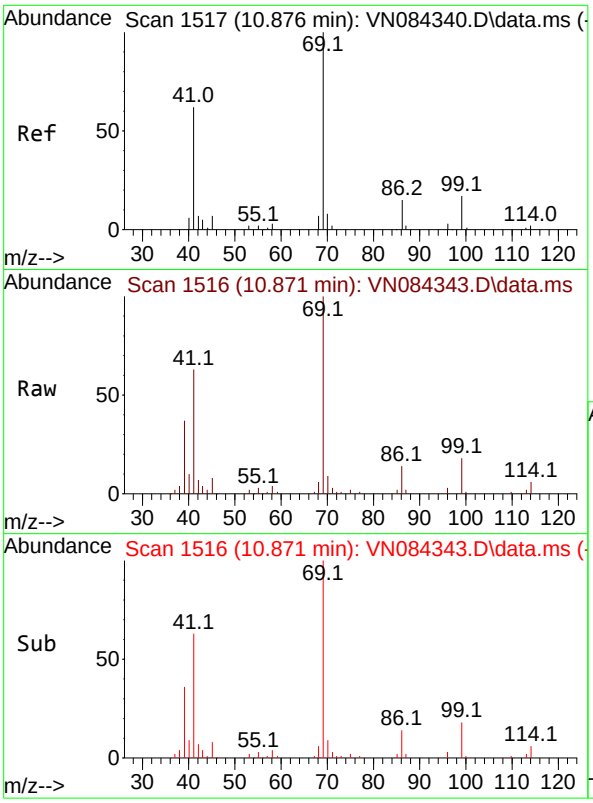


#50
1,1,2-Trichloroethane
Concen: 20.034 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 97 Resp: 45700

Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	54.8	44.2	66.2
99	58.3	47.8	71.8



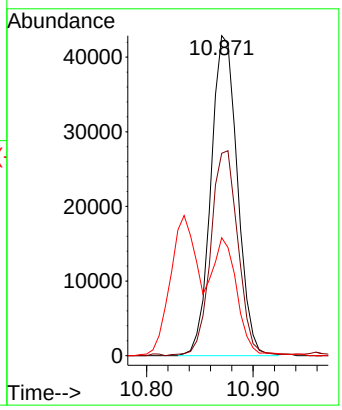


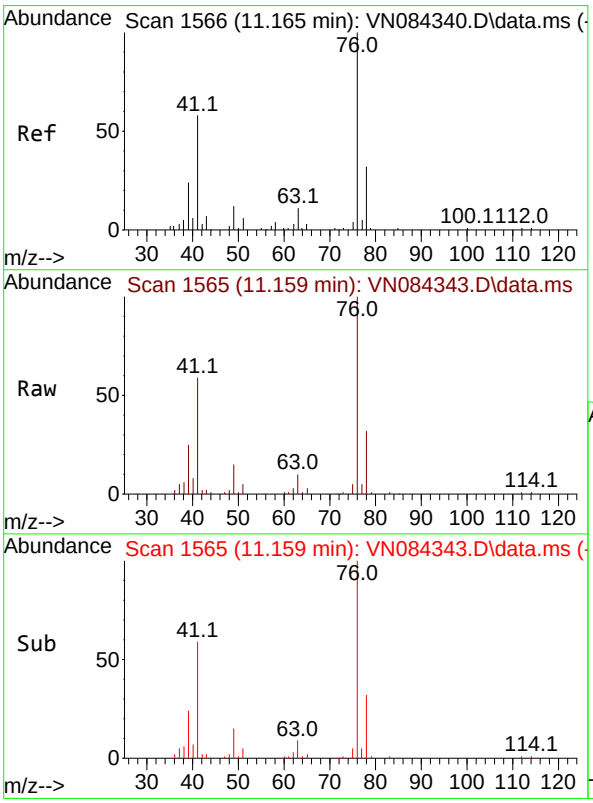
#51
Ethyl methacrylate
Concen: 19.639 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 69 Resp: 73999

Ion	Ratio	Lower	Upper
69	100		
41	62.8	30.9	92.7
39	36.2	16.6	49.7

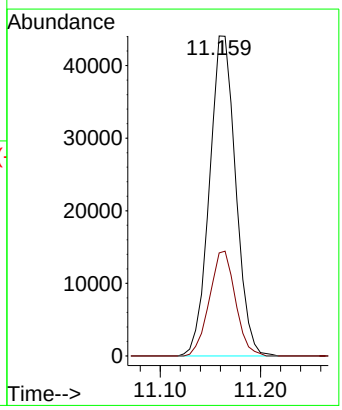


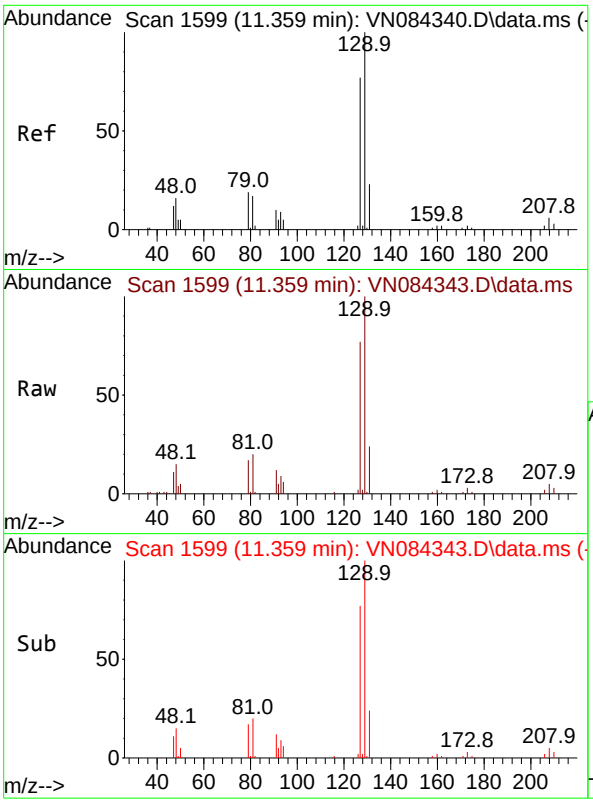


#52
1,3-Dichloropropane
Concen: 20.070 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 76 Resp: 80053

Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.2



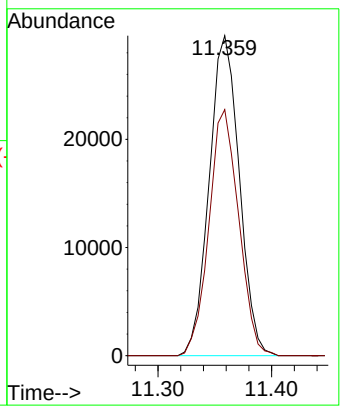


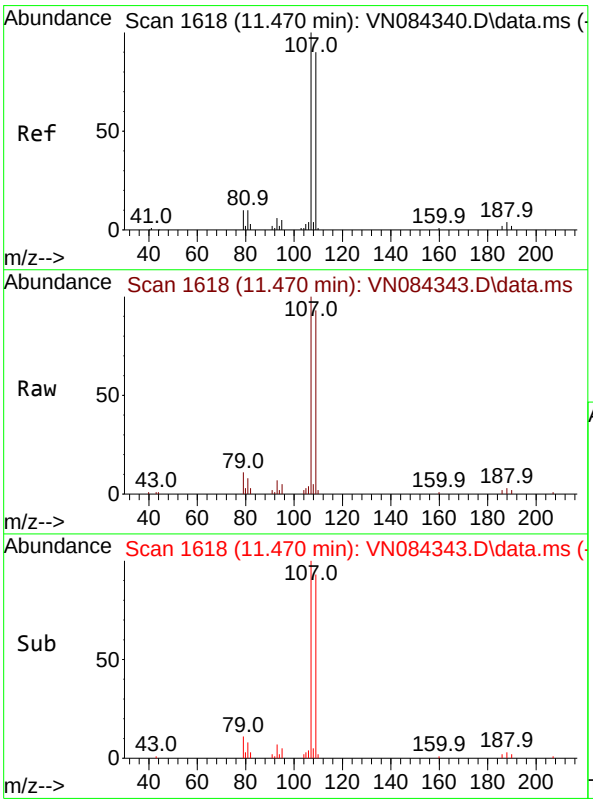
#53
Dibromochloromethane
Concen: 20.221 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:129 Resp: 54490

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5

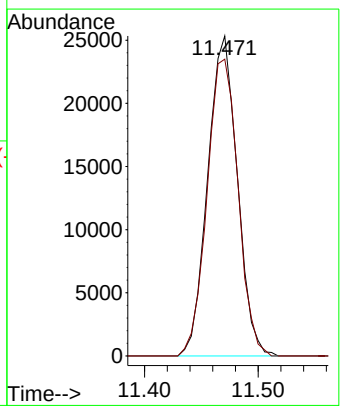


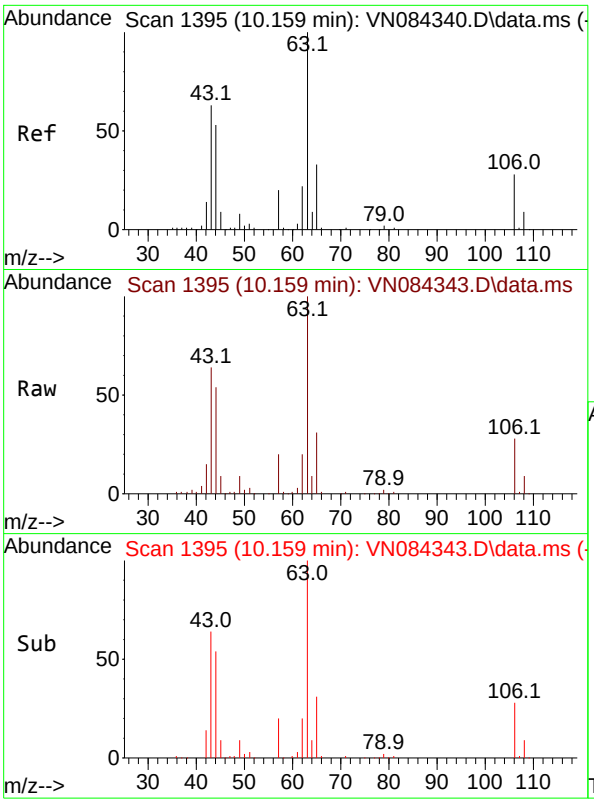


#54
1,2-Dibromoethane
Concen: 19.530 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:107 Resp: 45857

Ion	Ratio	Lower	Upper
107	100		
109	97.0	73.8	110.6



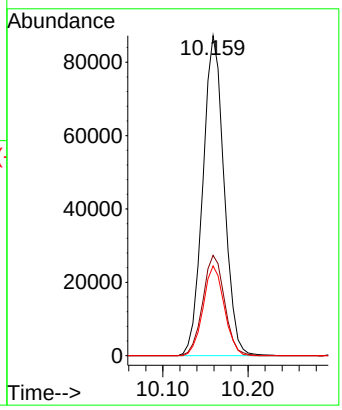


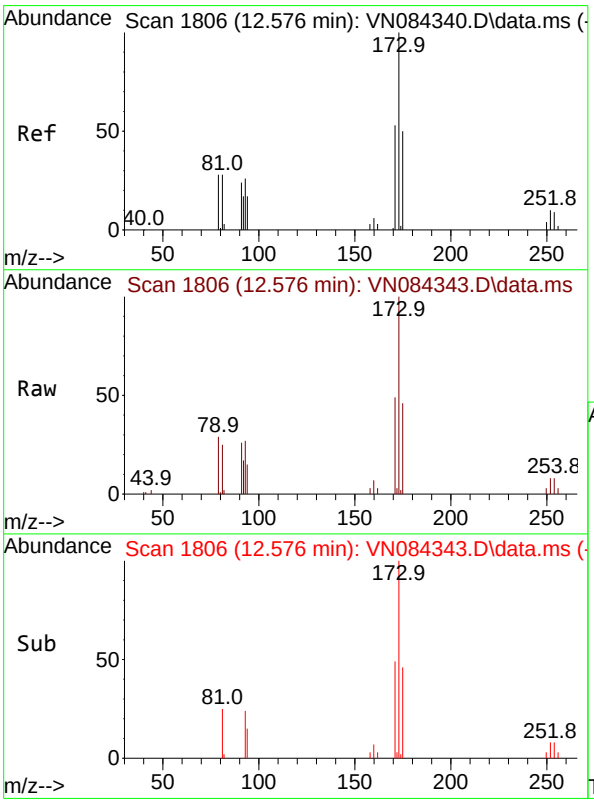
#55
2-Chloroethyl vinyl ether
Concen: 88.171 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 63 Resp: 150677

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	28.0	21.6	32.4

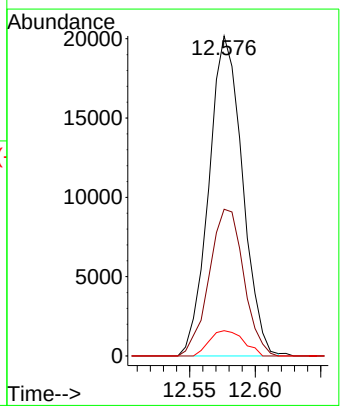


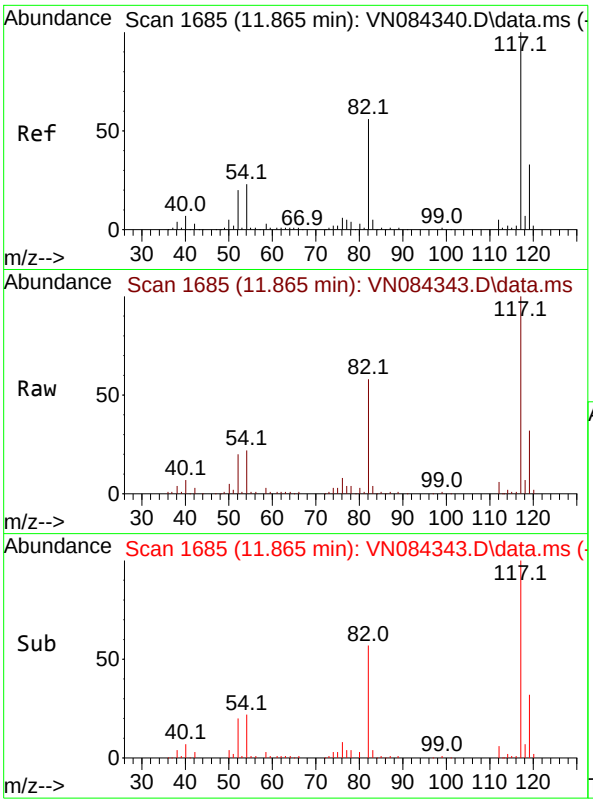


#56
Bromoform
Concen: 20.113 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:173 Resp: 35946

Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.4	59.2
254	8.1	6.8	10.2



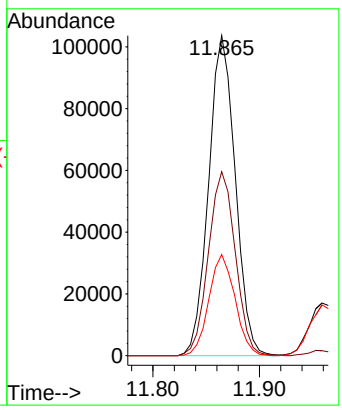


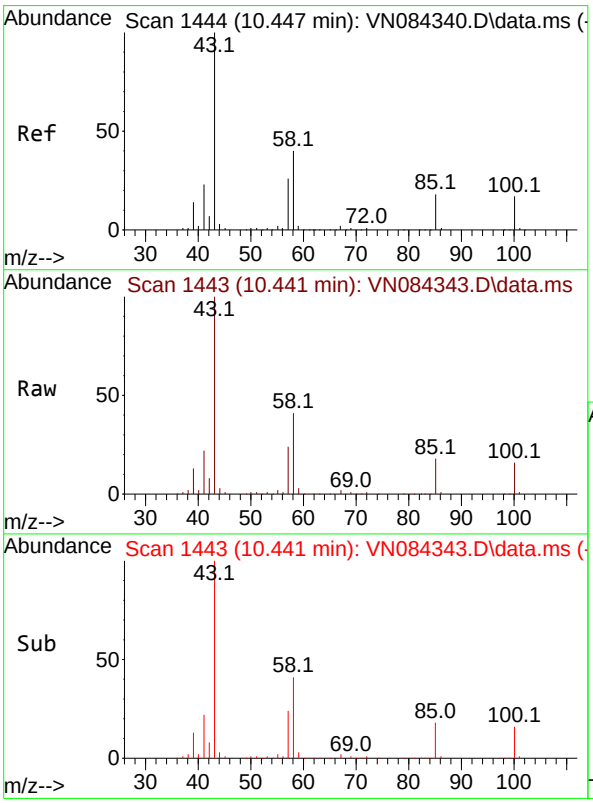
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:117 Resp: 180191

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	31.0	25.4	38.2

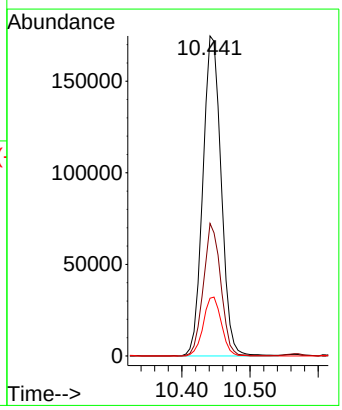


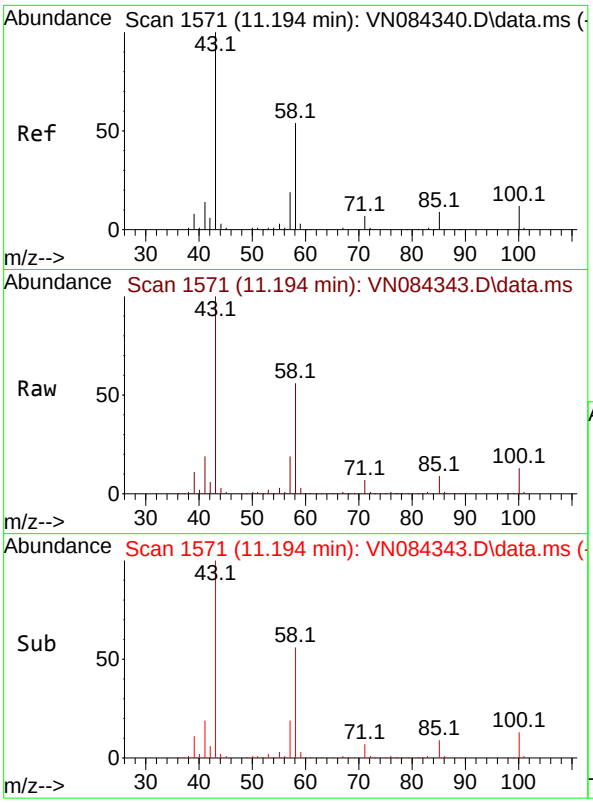


#58
4-Methyl-2-Pentanone
Concen: 97.392 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 43 Resp: 326914

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.9	47.9
85	18.1	14.6	22.0



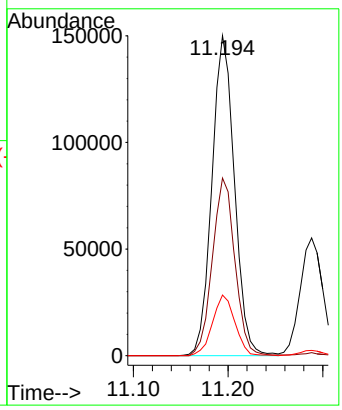


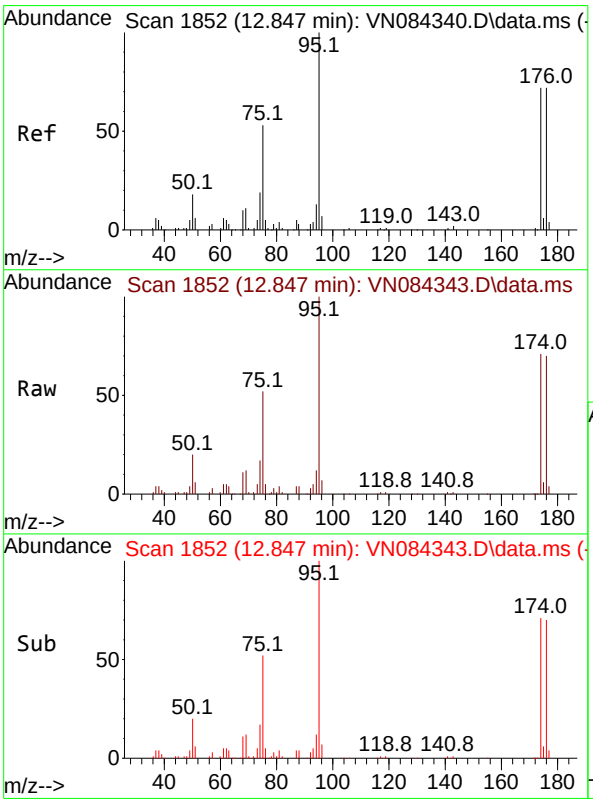
#59
2-Hexanone
Concen: 99.486 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 43 Resp: 248144

Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.0	66.0
57	18.8	15.4	23.2

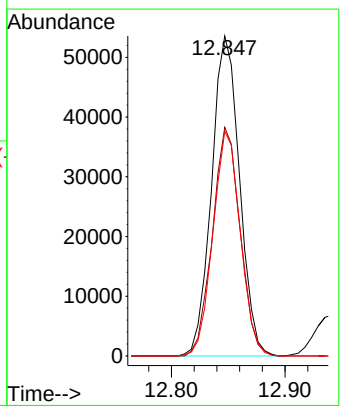


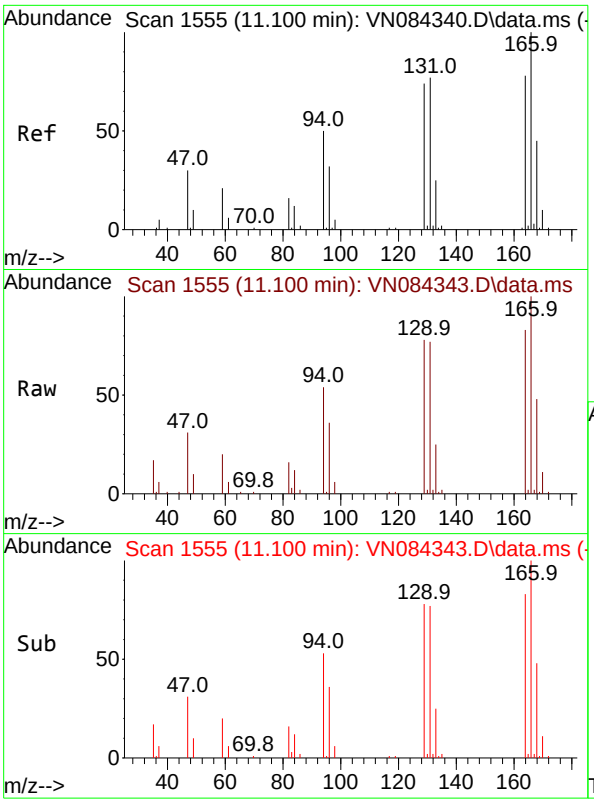


#60
4-Bromofluorobenzene
Concen: 30.784 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 95 Resp: 91549

Ion	Ratio	Lower	Upper
95	100		
174	70.7	58.2	87.2
176	68.7	56.4	84.6



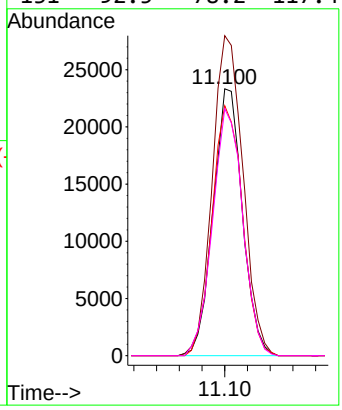


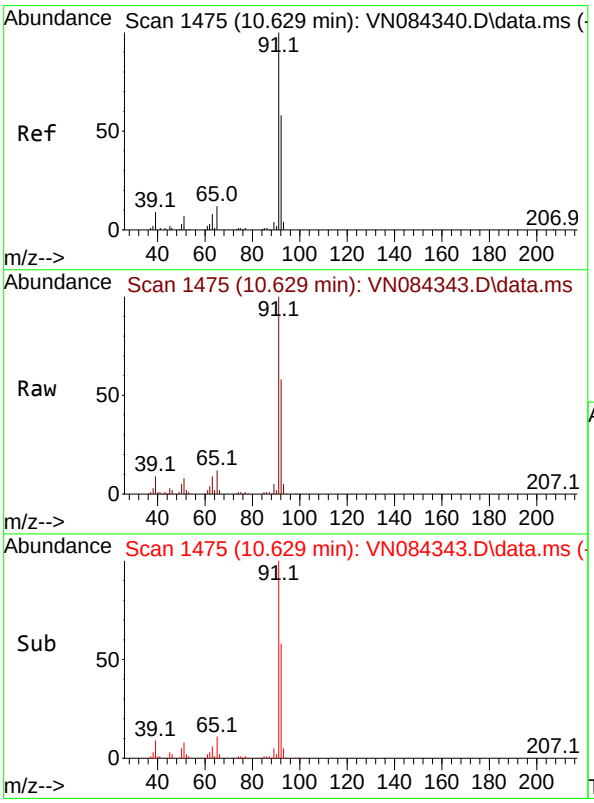
#61
Tetrachloroethene
Concen: 20.477 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:164 Resp: 41736

Ion	Ratio	Lower	Upper
164	100		
166	119.9	102.5	153.7
129	93.7	75.7	113.5
131	92.5	78.2	117.4

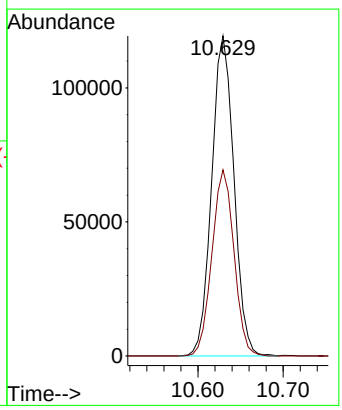


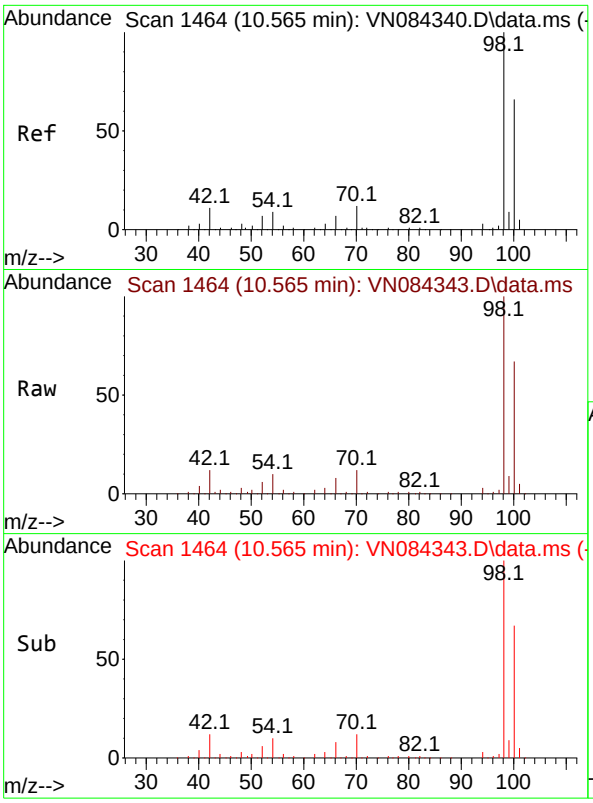


#62
Toluene
Concen: 20.551 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 216792

Ion	Ratio	Lower	Upper
91	100		
92	57.6	47.2	70.8



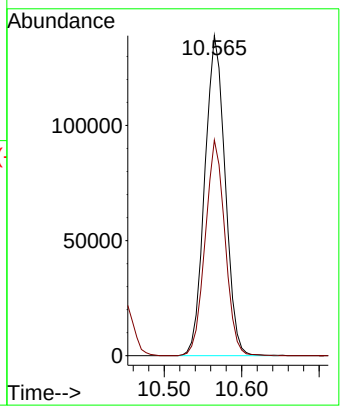


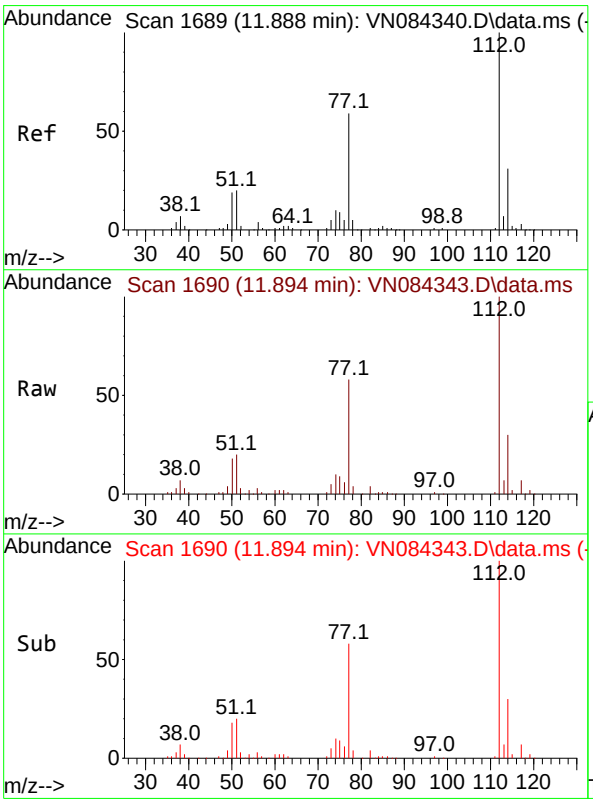
#63
Toluene-d8
Concen: 30.377 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 98 Resp: 253573

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

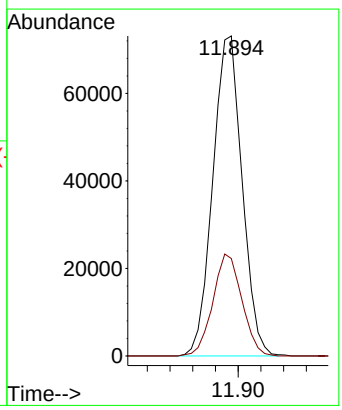


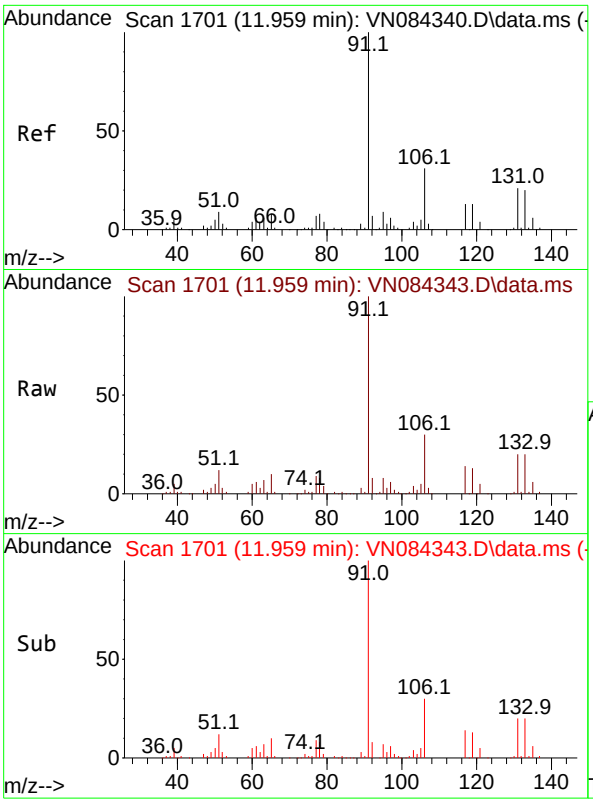


#64
Chlorobenzene
Concen: 19.960 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:112 Resp: 131028

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.1	37.7



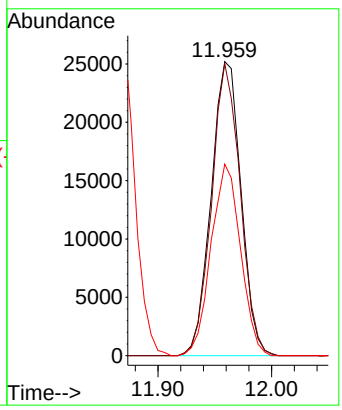


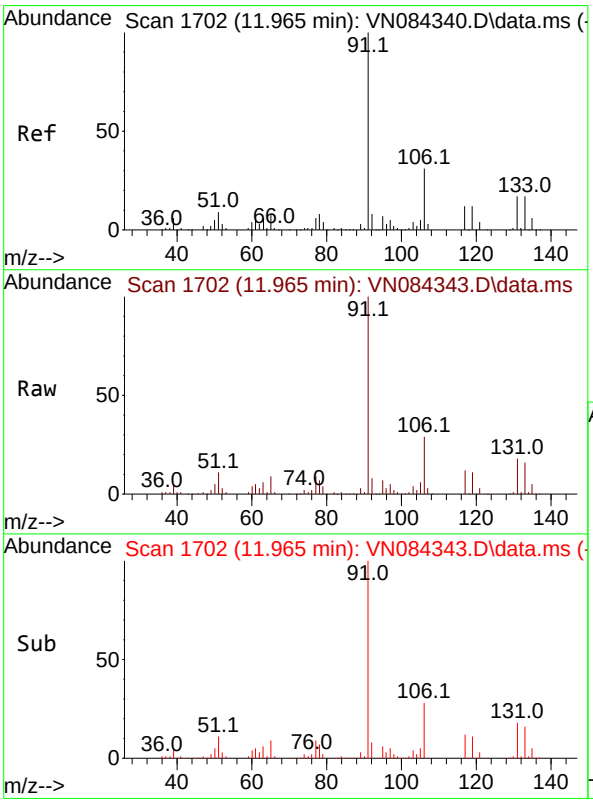
#65
1,1,1,2-Tetrachloroethane
Concen: 20.169 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:131 Resp: 45996

Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	190.4
119	64.4	0.0	130.0

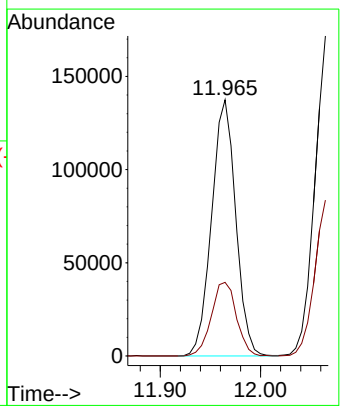


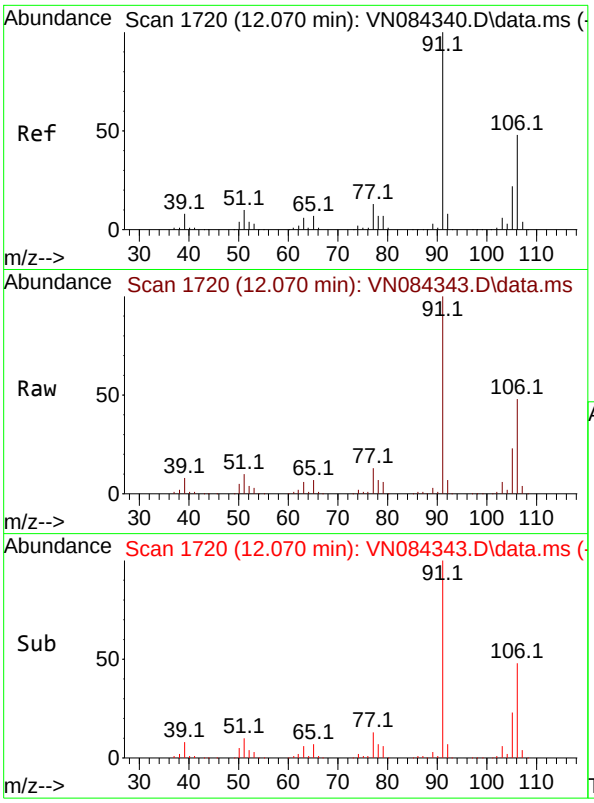


#66
Ethyl Benzene
Concen: 20.038 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 229654

Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.2	37.8



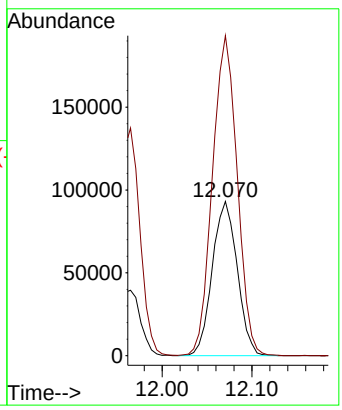


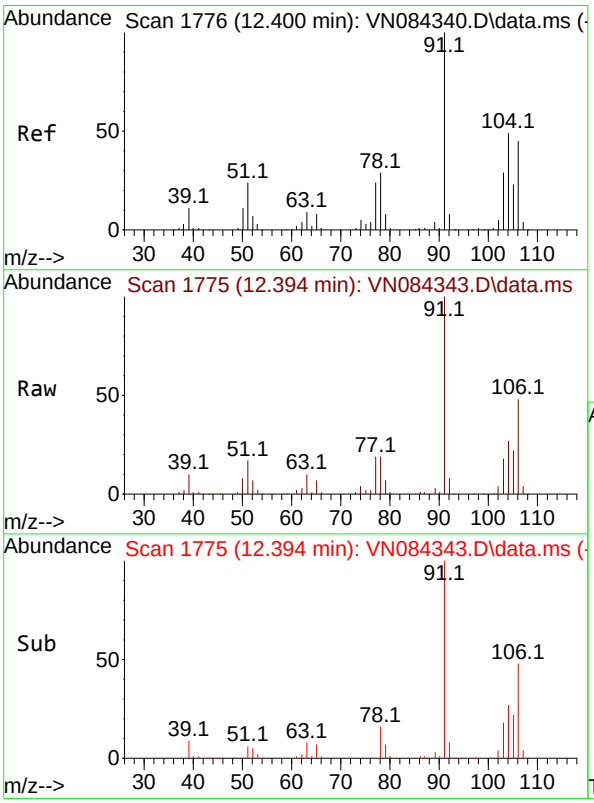
#67
m/p-Xylenes
Concen: 41.370 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:106 Resp: 179863

Ion	Ratio	Lower	Upper
106	100		
91	205.9	166.7	250.1

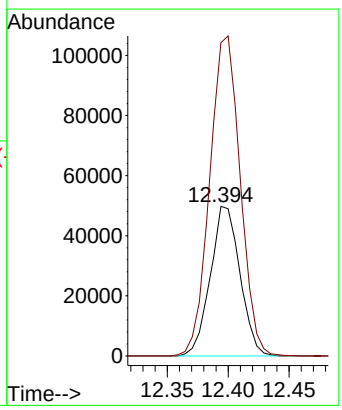


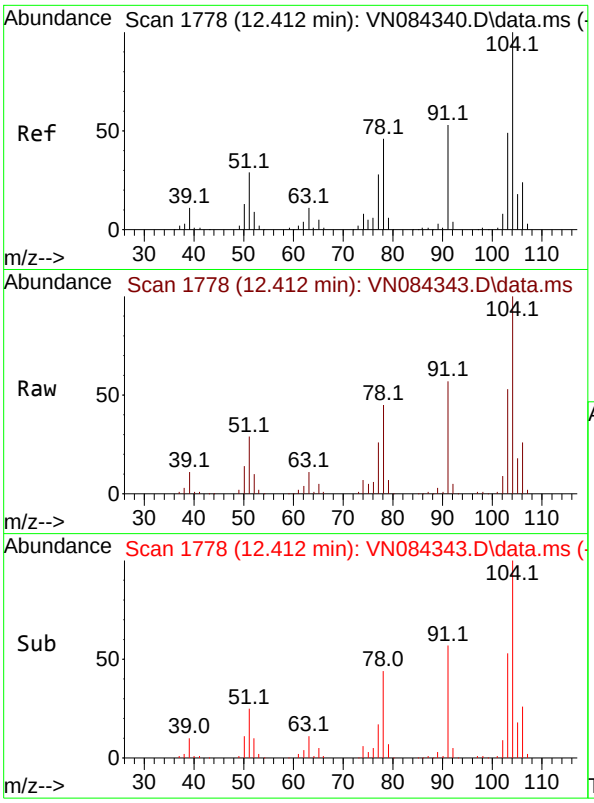


#68
o-Xylene
Concen: 20.070 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:106 Resp: 84107

Ion	Ratio	Lower	Upper
106	100		
91	220.5	110.9	332.9



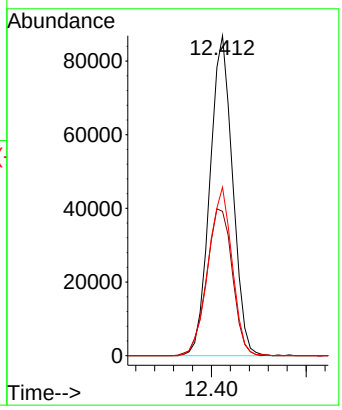


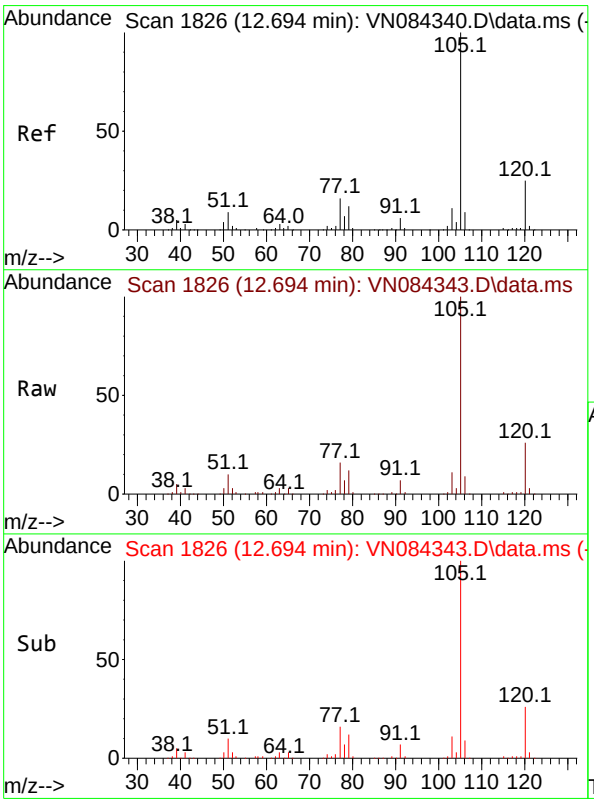
#69
Styrene
Concen: 20.124 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:104 Resp: 144766

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.6	62.4
103	54.9	44.4	66.6

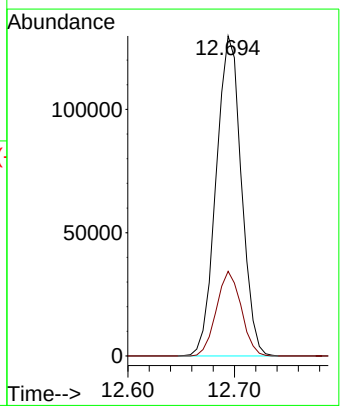


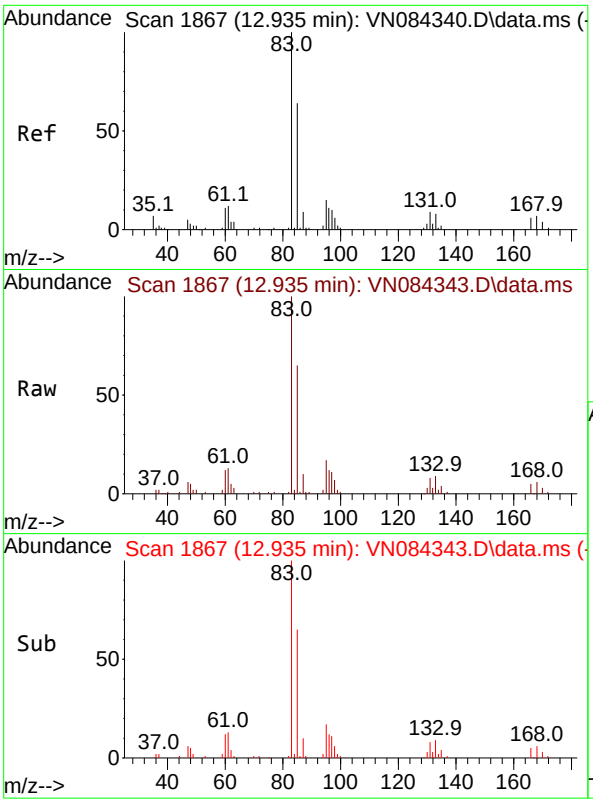


#70
Isopropylbenzene
Concen: 19.923 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 213142

Ion	Ratio	Lower	Upper
105	100		
120	25.9	17.4	32.4



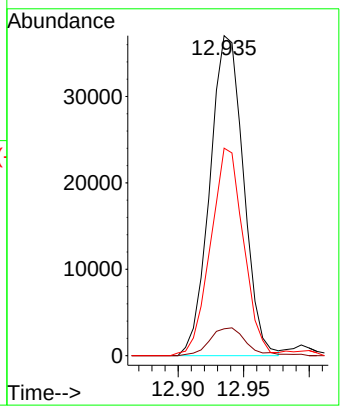


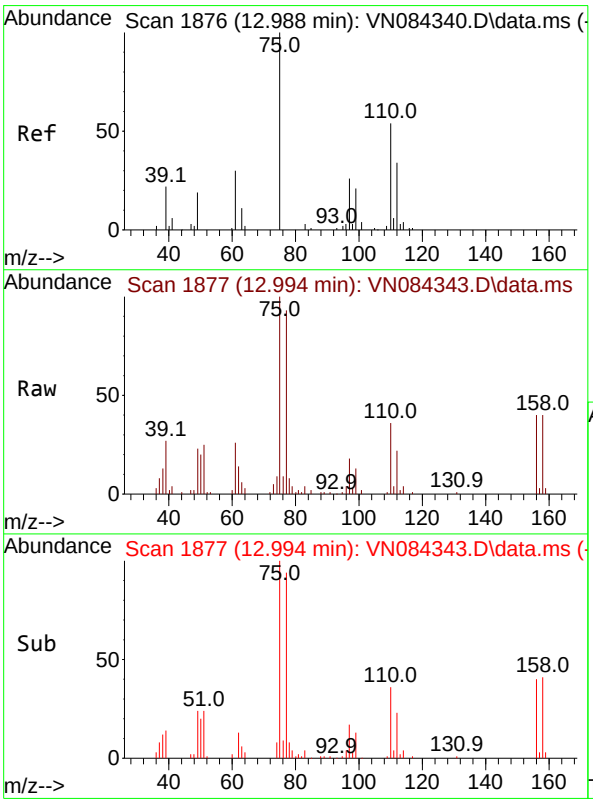
#71
1,1,2,2-Tetrachloroethane
Concen: 19.932 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 83 Resp: 65966

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.1	15.3
85	63.6	32.0	96.2

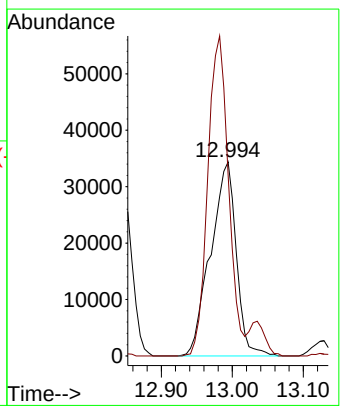


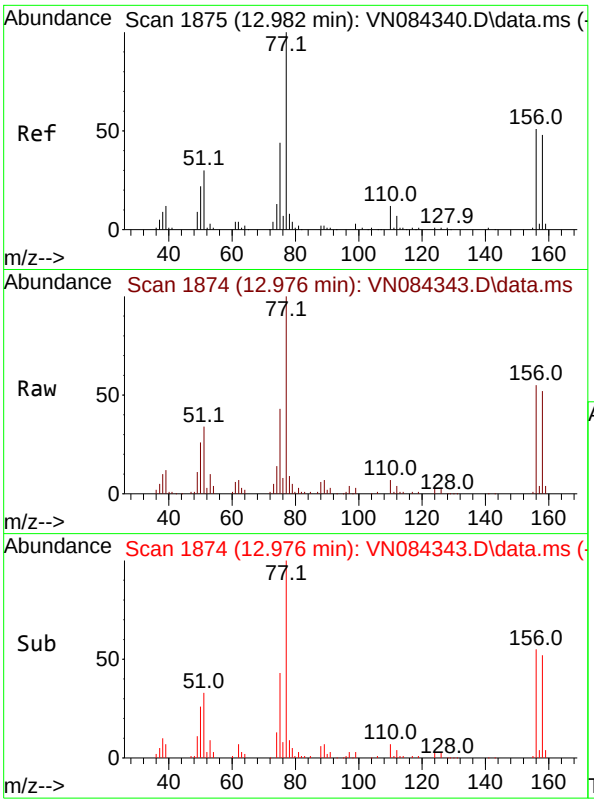


#72
1,2,3-Trichloropropane
Concen: 30.381 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 86111

Ion	Ratio	Lower	Upper
75	100		
77	133.3	0.0	414.0



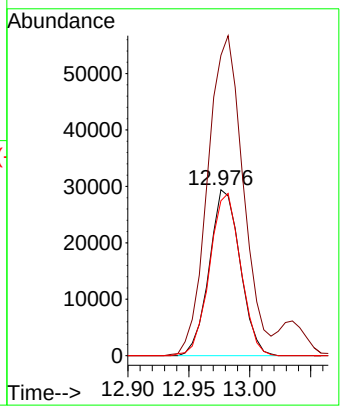


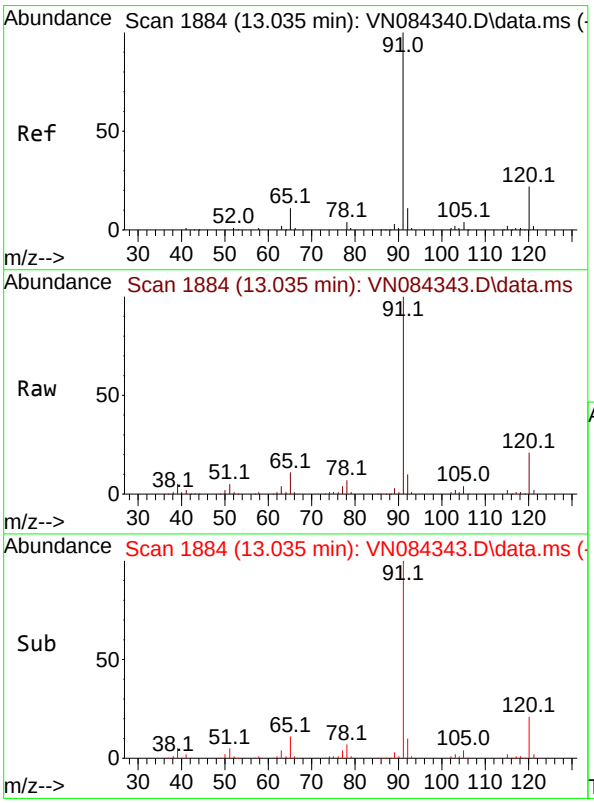
#73
Bromobenzene
Concen: 19.992 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:156 Resp: 51798

Ion	Ratio	Lower	Upper
156	100		
77	221.7	0.0	451.0
158	97.9	0.0	194.6

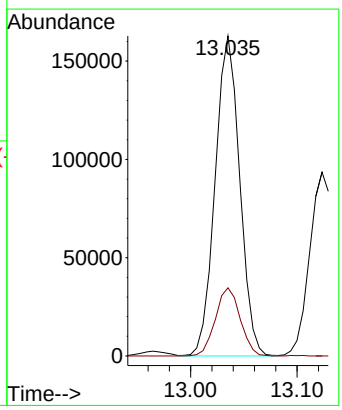


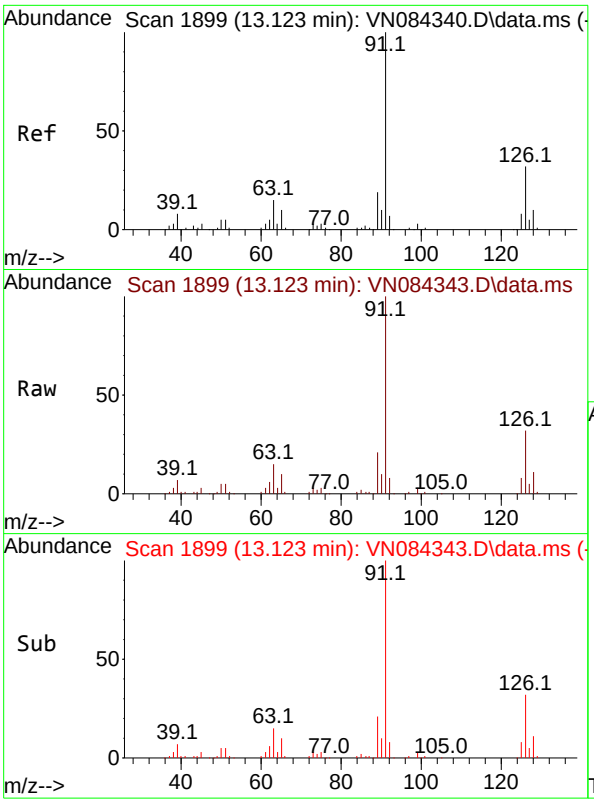


#74
n-propylbenzene
Concen: 20.467 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 260928

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	43.2



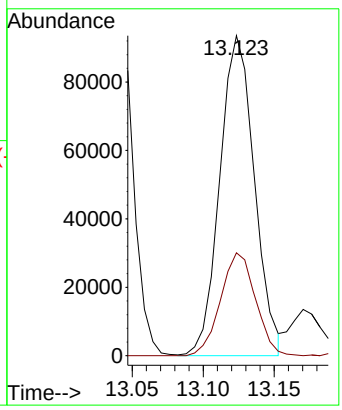


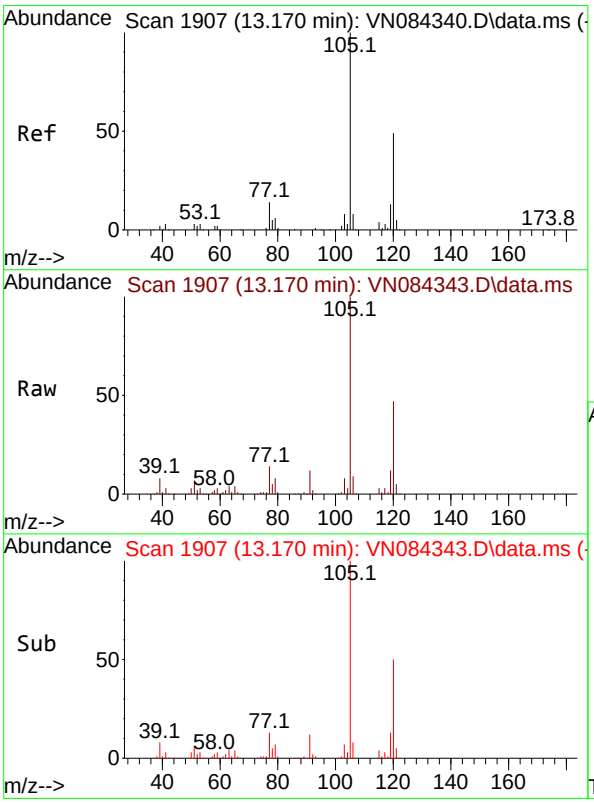
#75
2-Chlorotoluene
Concen: 20.001 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 91 Resp: 158449

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	64.0

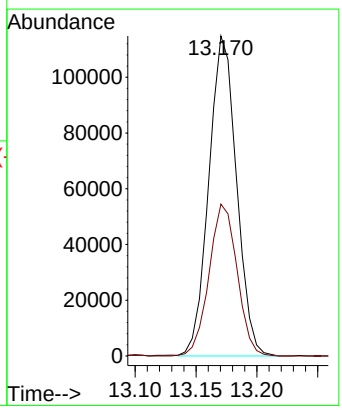


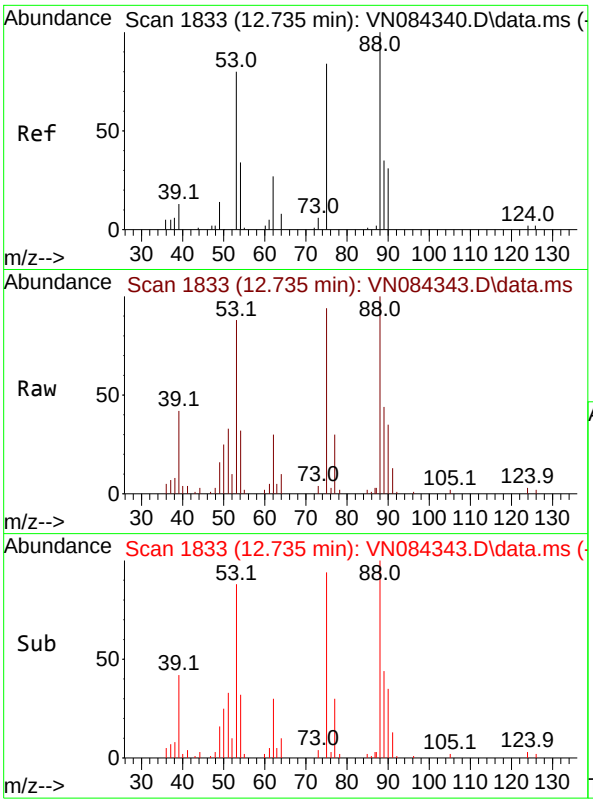


#76
1,3,5-Trimethylbenzene
Concen: 20.196 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 181926

Ion	Ratio	Lower	Upper
105	100		
120	48.0	0.0	94.4



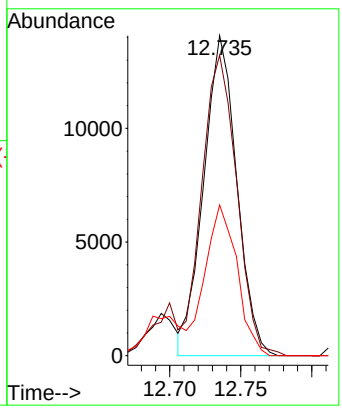


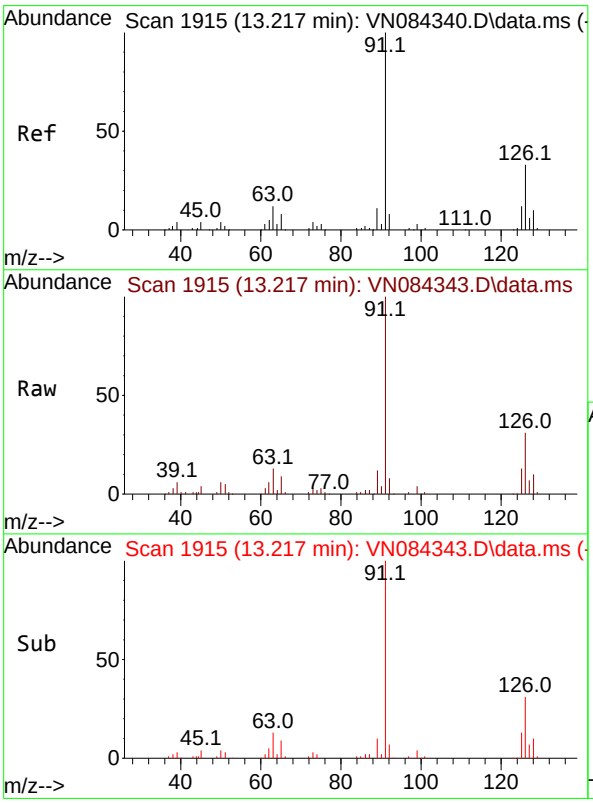
#77
t-1,4-Dichloro-2-butene
Concen: 18.889 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 75 Resp: 22878

Ion	Ratio	Lower	Upper
75	100		
53	92.7	47.3	142.0
89	47.1	22.9	68.8

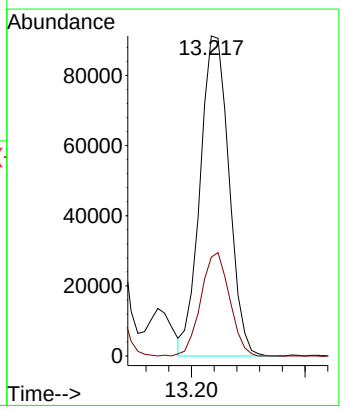


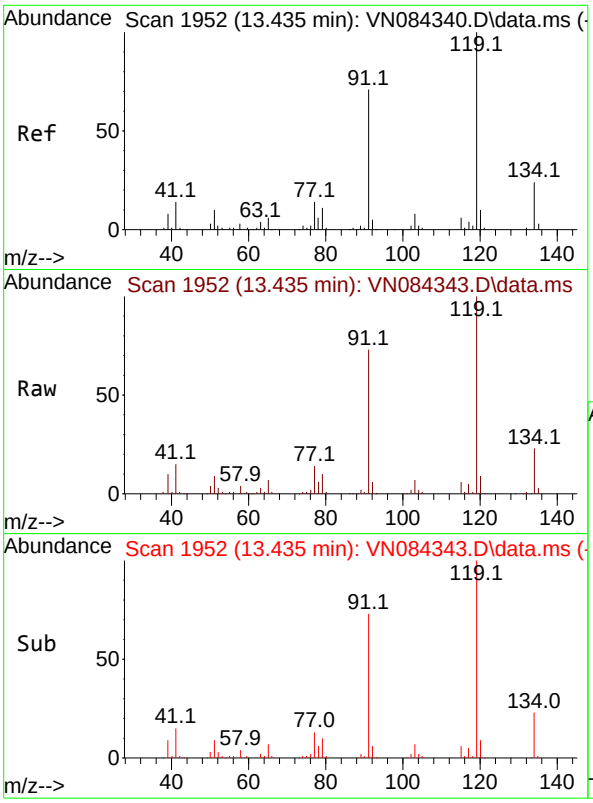


#78
4-Chlorotoluene
Concen: 20.008 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 91 Resp: 161150

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	62.4



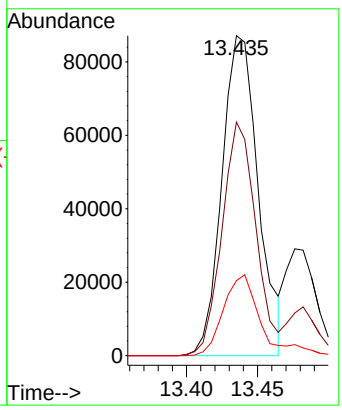


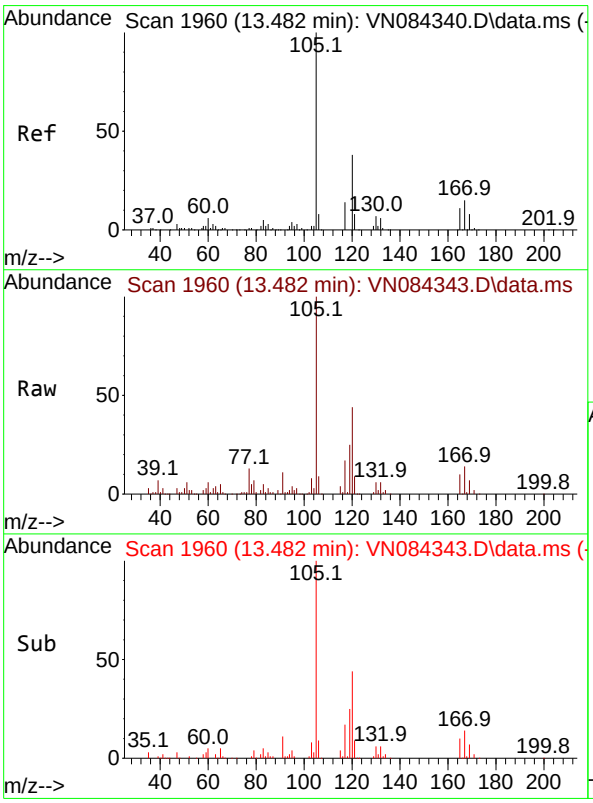
#79
tert-butylbenzene
Concen: 20.197 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:119 Resp: 155215

Ion	Ratio	Lower	Upper
119	100		
91	68.1	0.0	138.0
134	23.5	0.0	48.8

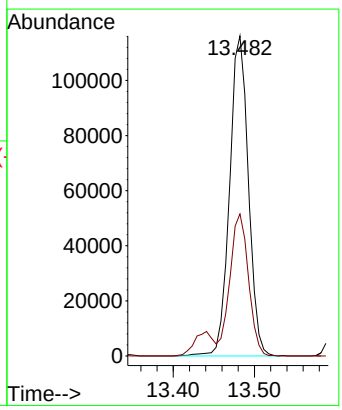


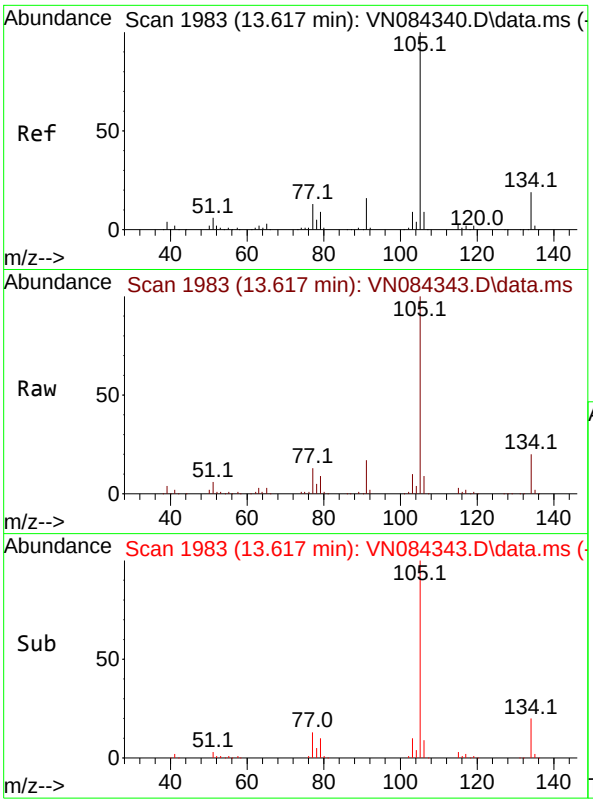


#80
1,2,4-Trimethylbenzene
Concen: 20.399 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:105 Resp: 186446

Ion	Ratio	Lower	Upper
105	100		
120	44.1	0.0	88.8



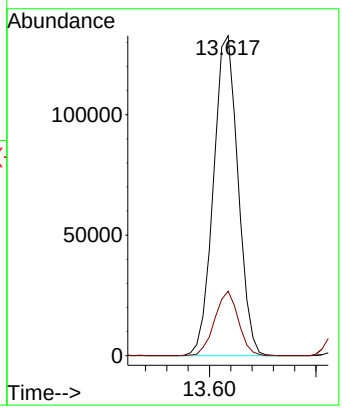


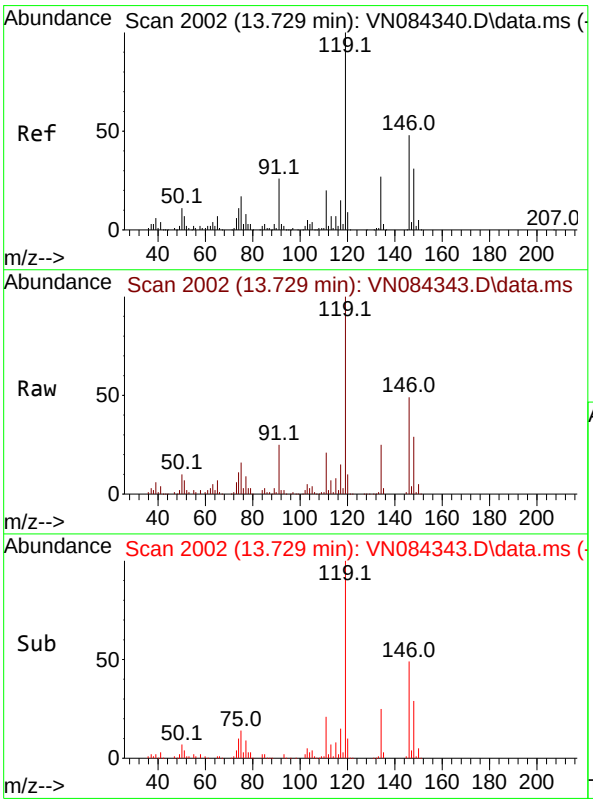
#81
sec-Butylbenzene
Concen: 20.077 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:105 Resp: 212421

Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.0

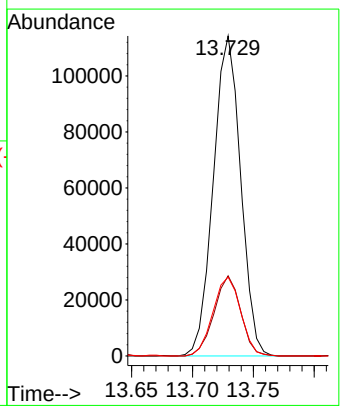


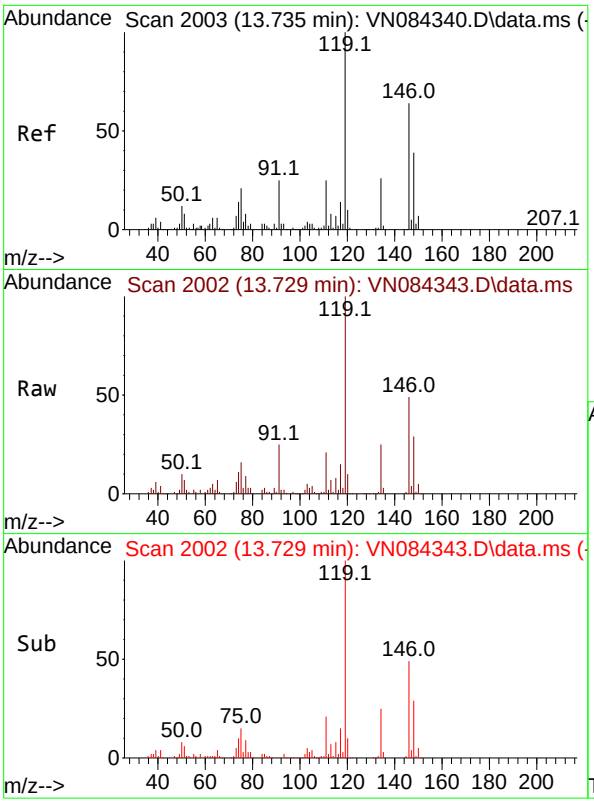


#82
p-Isopropyltoluene
Concen: 20.018 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:119 Resp: 178265

Ion	Ratio	Lower	Upper
119	100		
134	24.4	0.0	50.2
91	25.0	0.0	50.6



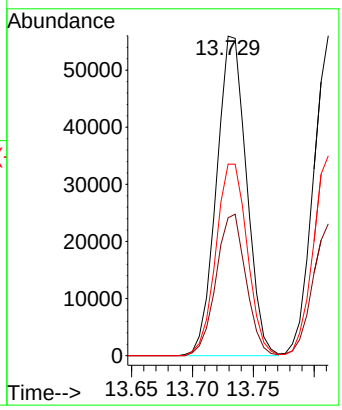


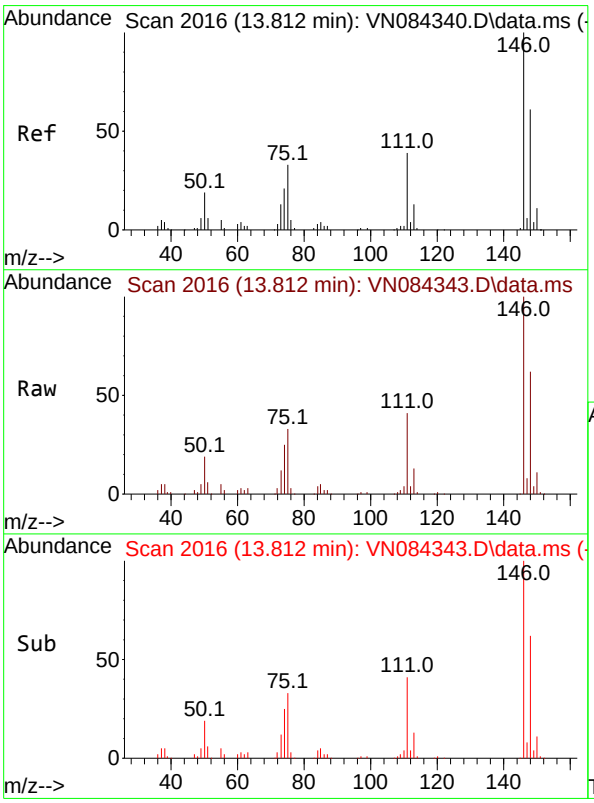
#83
1,3-Dichlorobenzene
Concen: 19.955 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:146 Resp: 96137

Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.6	61.9
148	62.5	31.6	94.7

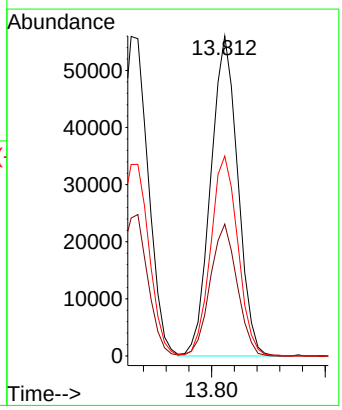


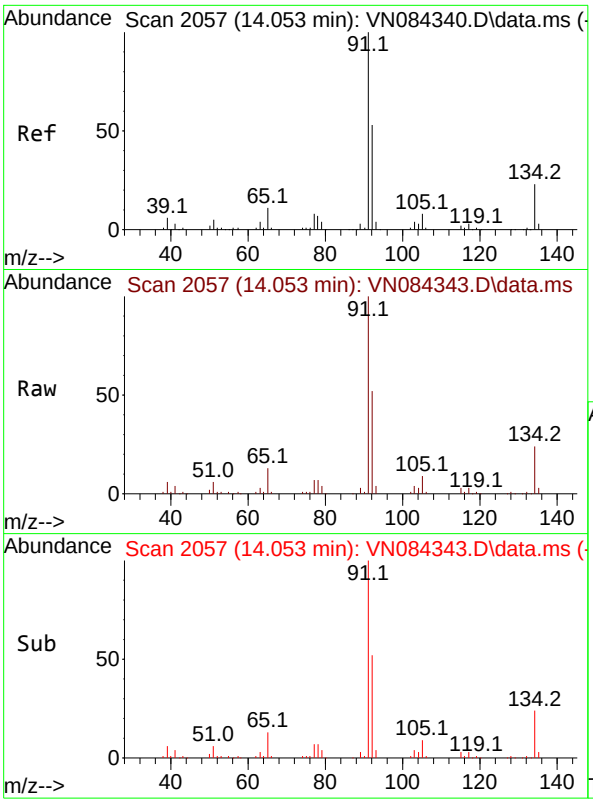


#84
1,4-Dichlorobenzene
Concen: 19.380 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:146 Resp: 92714

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	62.8	32.5	97.4



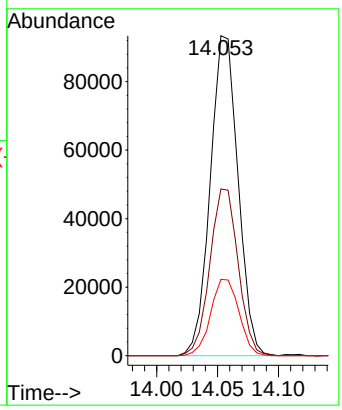


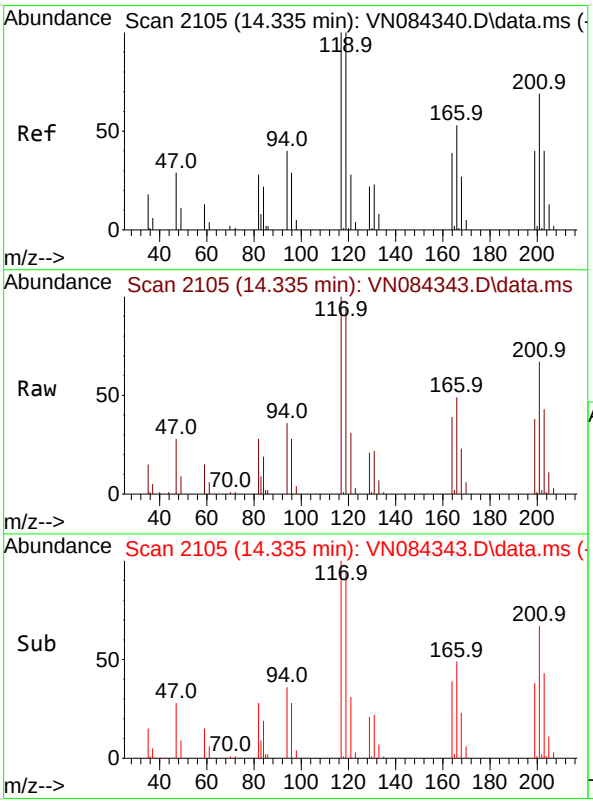
#85
n-Butylbenzene
Concen: 19.215 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion: 91 Resp: 148207

Ion	Ratio	Lower	Upper
91	100		
92	53.0	0.0	103.4
134	24.3	0.0	48.0

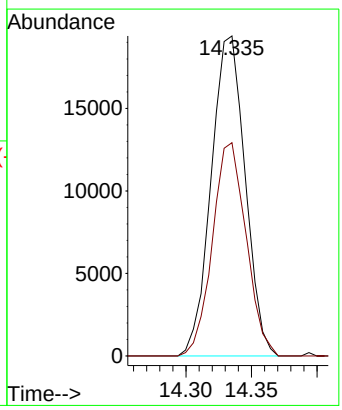


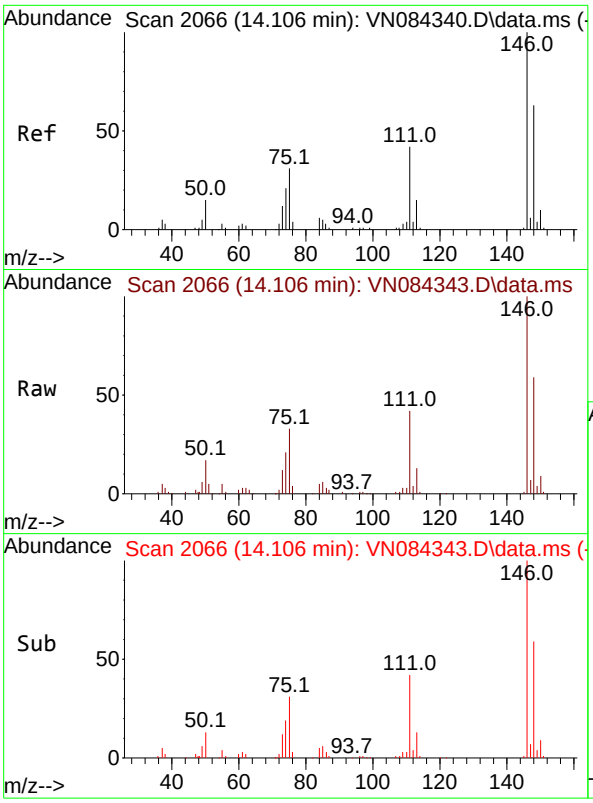


#86
Hexachloroethane
Concen: 20.356 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:117 Resp: 34925

Ion	Ratio	Lower	Upper
117	100		
201	66.0	33.9	101.6



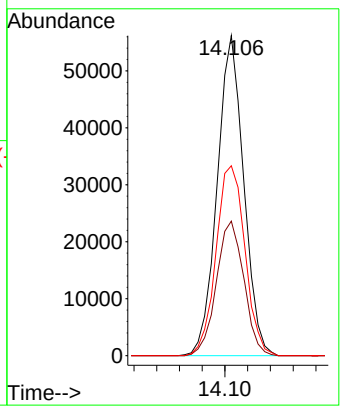


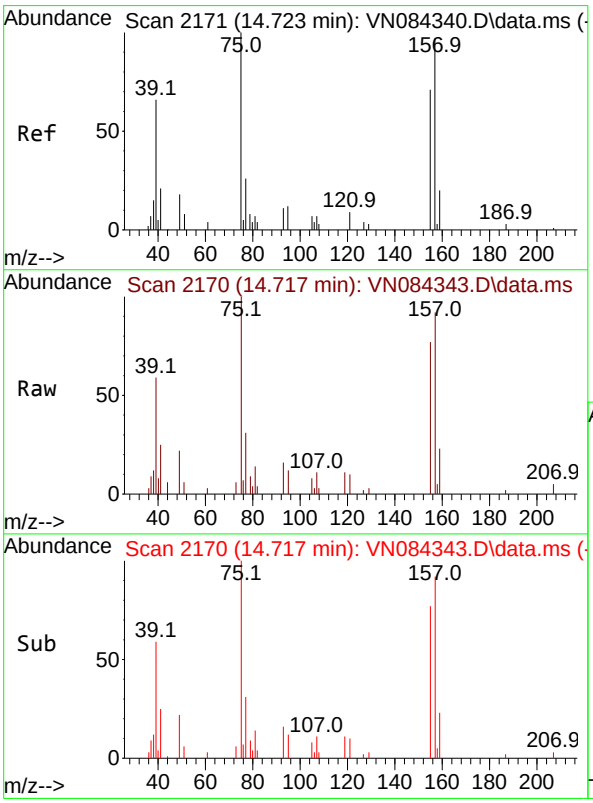
#87
1,2-Dichlorobenzene
Concen: 19.610 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:146 Resp: 91342

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.5
148	64.7	31.1	93.5

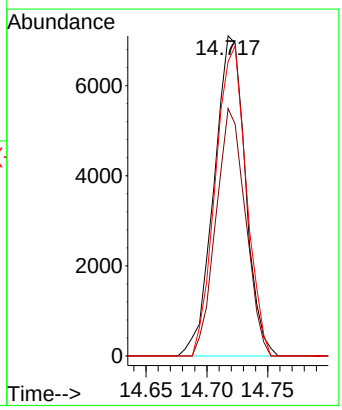


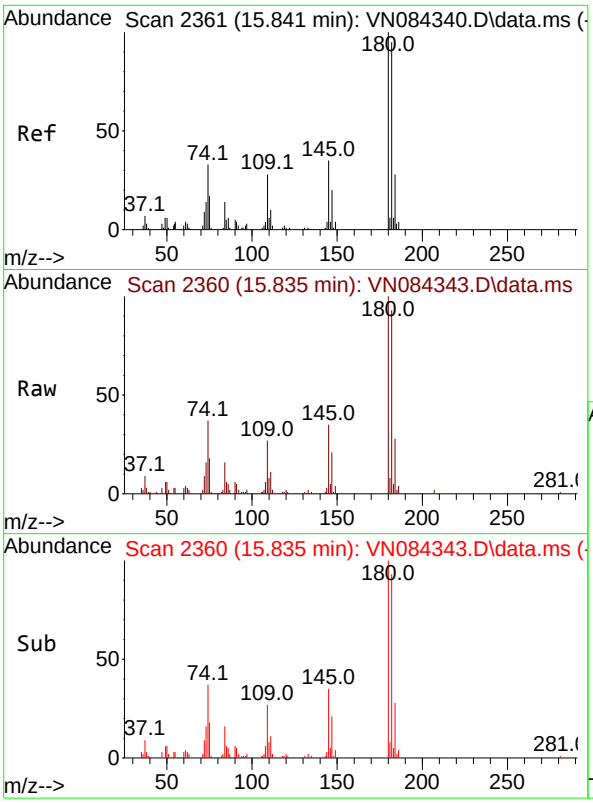


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.815 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion: 75 Resp: 12734

Ion	Ratio	Lower	Upper
75	100		
155	72.7	61.8	92.8
157	95.1	77.4	116.0



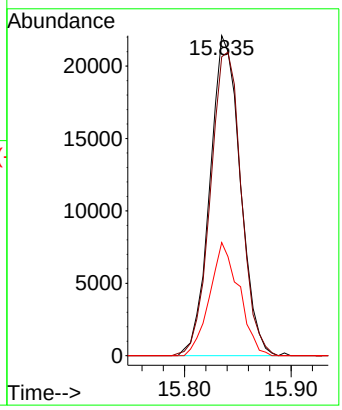


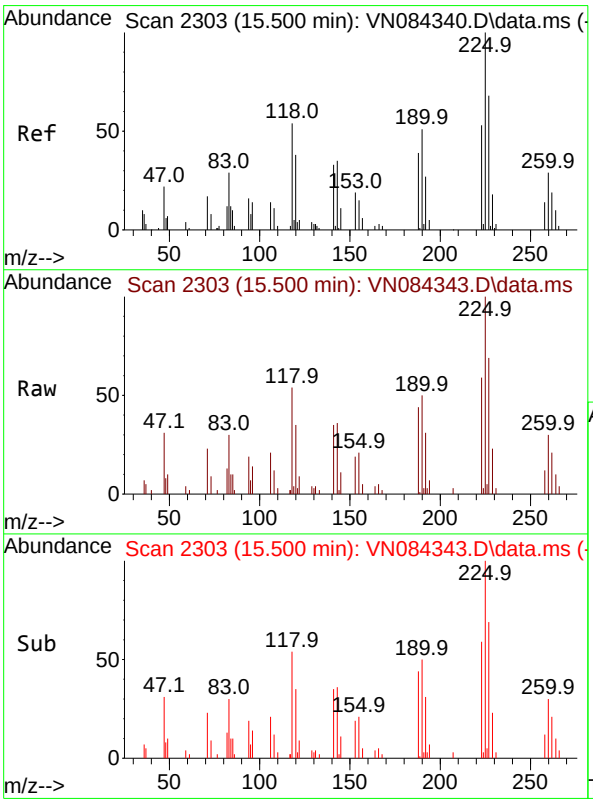
#89
1,2,4-Trichlorobenzene
Concen: 18.038 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:180 Resp: 43683

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.8	116.6
145	34.4	28.9	43.3

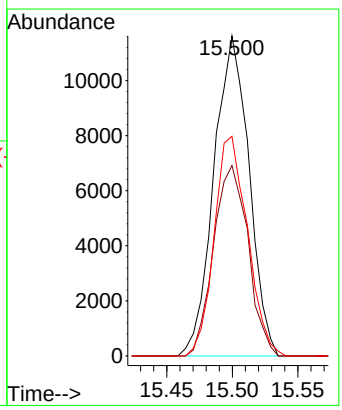


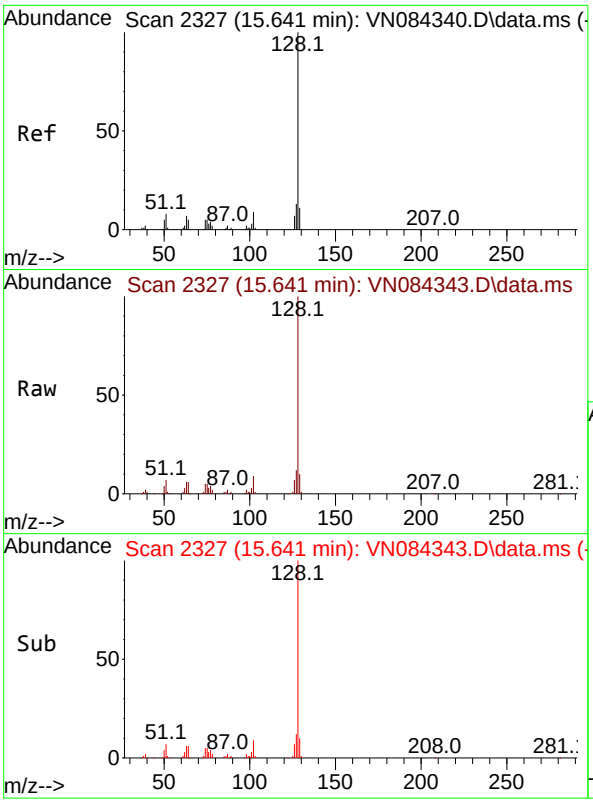


#90
Hexachlorobutadiene
Concen: 19.335 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:225 Resp: 21663

Ion	Ratio	Lower	Upper
225	100		
223	58.4	0.0	124.0
227	65.1	0.0	130.8



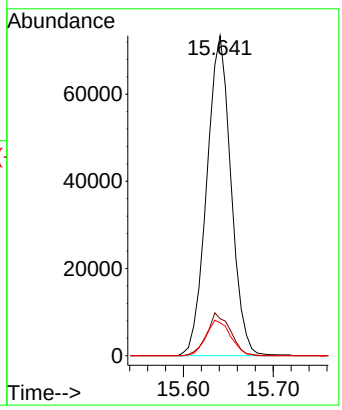


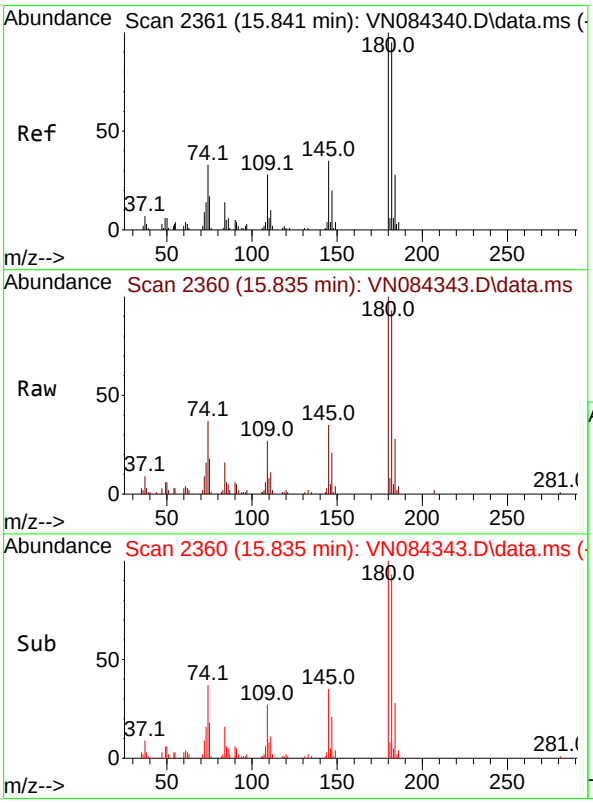
#91
Naphthalene
Concen: 16.790 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100824

Tgt Ion:128 Resp: 137791

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.2	8.8	13.2

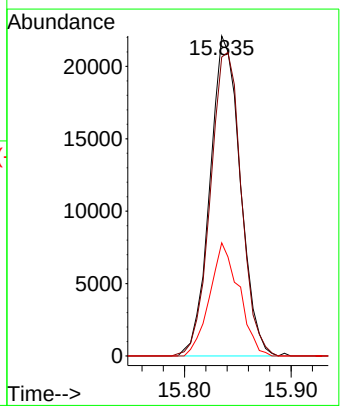




#92
1,2,3-Trichlorobenzene
Concen: 18.038 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084343.D
Acq: 08 Oct 2024 12:09

Tgt Ion:180 Resp: 43683

Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	194.4
145	34.4	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	35506	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	200200	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	180518	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	85643	29.960	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.867%				
60) 4-Bromofluorobenzene	12.847	95	92192	30.944	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.133%				
63) Toluene-d8	10.565	98	251001	30.014	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.033%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	39661	18.295	ug/l		98
3) Chloromethane	2.359	50	43348	17.572	ug/l		100
4) Vinyl Chloride	2.518	62	44364	18.338	ug/l		98
5) Bromomethane	2.959	94	28146	17.561	ug/l		90
6) Chloroethane	3.124	64	30160	19.017	ug/l		96
7) Trichlorofluoromethane	3.501	101	73931	18.762	ug/l		89
8) Diethyl Ether	3.959	74	27242	18.804	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.377	101	44085	19.897	ug/l		62
10) 1,1-Dichloroethene	4.342	96	40585	18.358	ug/l		91
11) Methyl Iodide	4.595	142	53535	18.427	ug/l		96
12) Methyl Acetate	5.024	43	58784	21.239	ug/l		99
13) Acrolein	4.183	56	50962	99.121	ug/l		99
14) Acrylonitrile	5.724	53	112734	90.663	ug/l		98
15) Acetone	4.430	58	43514	122.505	ug/l		98
16) Carbon Disulfide	4.712	76	109654	16.656	ug/l		100
17) Allyl chloride	5.024	41	66059	18.433	ug/l		90
18) Methylene Chloride	5.283	84	45898	18.429	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	42534	18.179	ug/l		95
20) Diisopropyl ether	6.665	45	146490	19.011	ug/l	#	98
21) 1,1-Dichloroethane	6.565	63	85721	19.388	ug/l		97
22) cis-1,2-Dichloroethene	7.483	96	53018	19.473	ug/l		98
23) tert-Butyl Alcohol	5.518	59	43059	90.279	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	141150	19.105	ug/l	#	84
25) Chloroform	7.965	83	90521	20.215	ug/l		98
26) Cyclohexane	8.253	56	65248	17.645	ug/l	#	95
29) 1,1-Dichloropropene	8.371	75	59606	18.137	ug/l		98
30) 2-Butanone	7.483	43	168367	96.222	ug/l		100
31) 2,2-Dichloropropane	7.488	77	75888	19.650	ug/l	#	82
32) 1,1,1-Trichloroethane	8.165	97	80476	19.158	ug/l		99
33) Carbon Tetrachloride	8.359	117	67238	18.476	ug/l		98
34) Benzene	8.606	78	192502	18.712	ug/l	#	93
35) Methacrylonitrile	7.777	41	33984	18.205	ug/l		95
36) 1,2-Dichloroethane	8.665	62	65072	18.977	ug/l		99
37) Trichloroethene	9.353	130	44712	18.875	ug/l		88
38) Methylcyclohexane	9.600	83	64890	17.975	ug/l		98
39) 1,2-Dichloropropane	9.618	63	47058	18.758	ug/l		97
40) Dibromomethane	9.706	93	33034	18.841	ug/l		98
41) Bromodichloromethane	9.888	83	69922	18.785	ug/l		98
42) Vinyl Acetate	6.600	43	537529	88.329	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

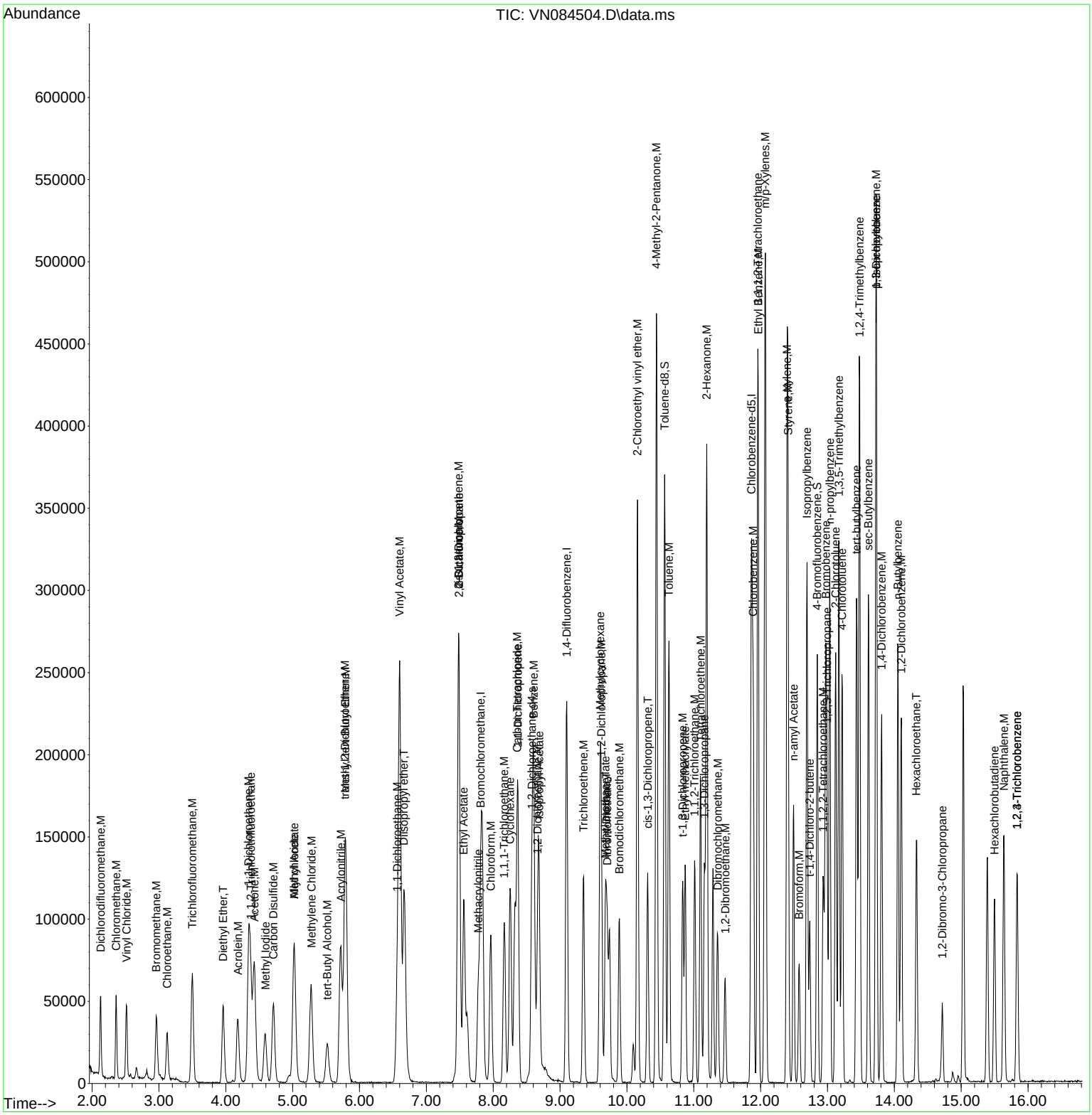
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58695	17.008	ug/l	95
44) Isopropyl Acetate	8.688	43	114155	20.211	ug/l	97
45) 1,4-Dioxane	9.694	88	17930	352.143	ug/l	97
46) Methyl methacrylate	9.677	41	46876	17.177	ug/l	96
47) n-amyl Acetate	12.494	43	89176	17.750	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	71062	18.475	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	75370	18.697	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	44728	18.979	ug/l	96
51) Ethyl methacrylate	10.871	69	70772	18.181	ug/l	95
52) 1,3-Dichloropropane	11.159	76	77213	18.738	ug/l	99
53) Dibromochloromethane	11.359	129	52385	18.817	ug/l	99
54) 1,2-Dibromoethane	11.471	107	44557	18.368	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	156467	88.623	ug/l	99
56) Bromoform	12.576	173	34361	18.609	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	318910	94.836	ug/l	100
59) 2-Hexanone	11.194	43	244527	97.858	ug/l	100
61) Tetrachloroethene	11.106	164	41919	20.529	ug/l	98
62) Toluene	10.629	91	202597	19.171	ug/l	99
64) Chlorobenzene	11.888	112	124737	18.968	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	45259	19.810	ug/l	99
66) Ethyl Benzene	11.965	91	221348	19.279	ug/l	96
67) m/p-Xylenes	12.071	106	168410	38.666	ug/l	100
68) o-Xylene	12.394	106	79405	18.914	ug/l	99
69) Styrene	12.412	104	136543	18.946	ug/l	99
70) Isopropylbenzene	12.694	105	204870	19.115	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	64257	19.381	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	82286	28.979	ug/l	54
73) Bromobenzene	12.976	156	49657	19.131	ug/l	99
74) n-propylbenzene	13.035	91	249446	19.531	ug/l	99
75) 2-Chlorotoluene	13.123	91	154107	19.418	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	178201	19.747	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22508	18.550	ug/l	98
78) 4-Chlorotoluene	13.218	91	156277	19.368	ug/l	98
79) tert-butylbenzene	13.435	119	149853	19.464	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	174715	19.081	ug/l	99
81) sec-Butylbenzene	13.612	105	207746	19.600	ug/l	98
82) p-Isopropyltoluene	13.729	119	171934	19.272	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	93180	19.307	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	92963	19.397	ug/l	99
85) n-Butylbenzene	14.053	91	146629	18.976	ug/l	98
86) Hexachloroethane	14.329	117	32190	18.728	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	93148	19.962	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13174	19.430	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	44516	18.348	ug/l	97
90) Hexachlorobutadiene	15.500	225	22167	19.749	ug/l	95
91) Naphthalene	15.641	128	139887	17.015	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	44516	18.348	ug/l	97

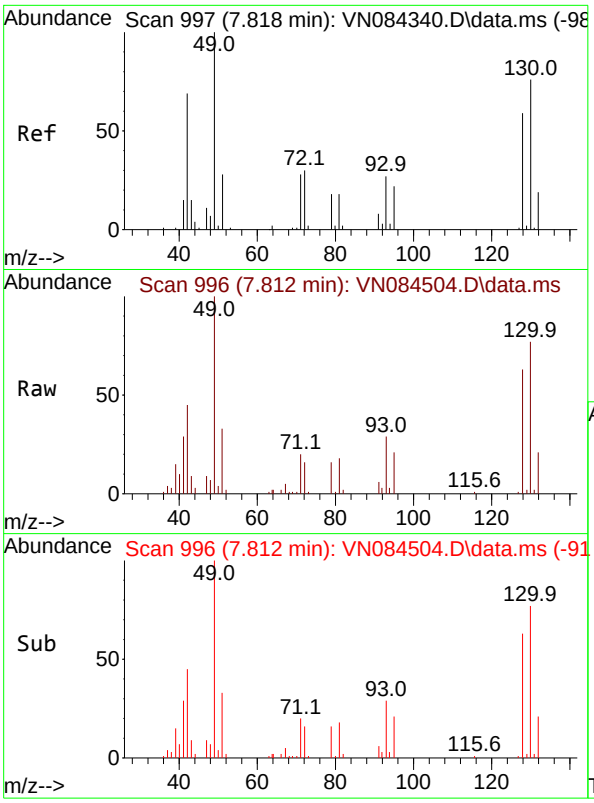
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084504.D
Acq On : 25 Oct 2024 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Oct 26 05:24:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



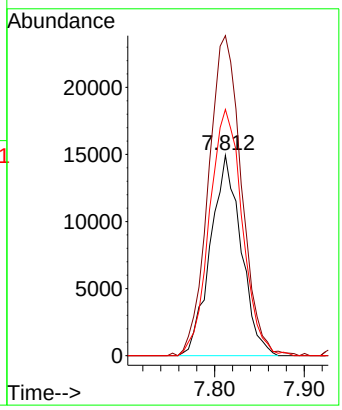


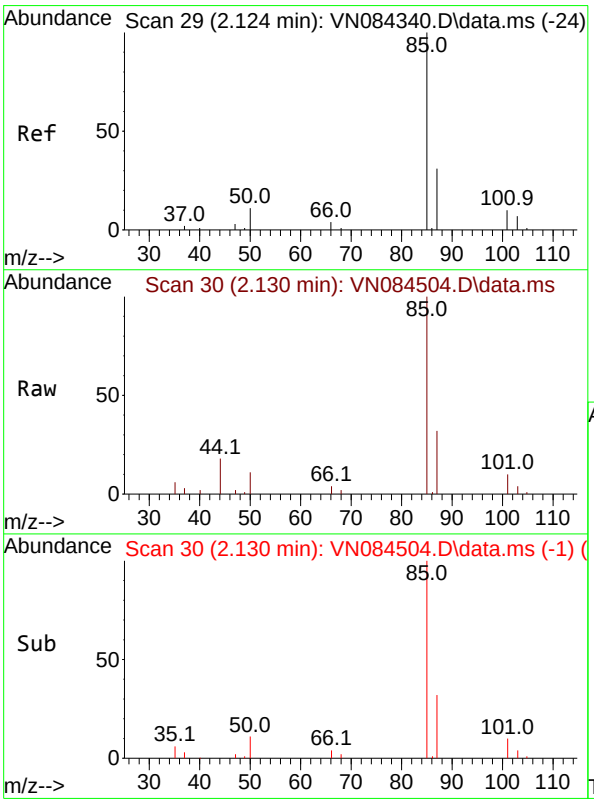
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 35506

Ion	Ratio	Lower	Upper
128	100		
49	170.8	0.0	430.0
130	131.4	0.0	329.8

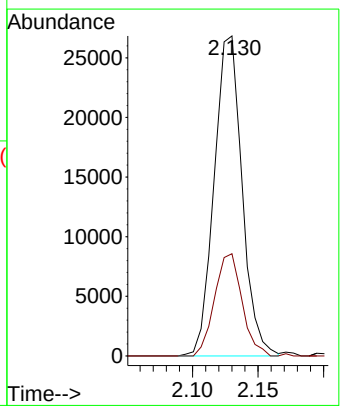


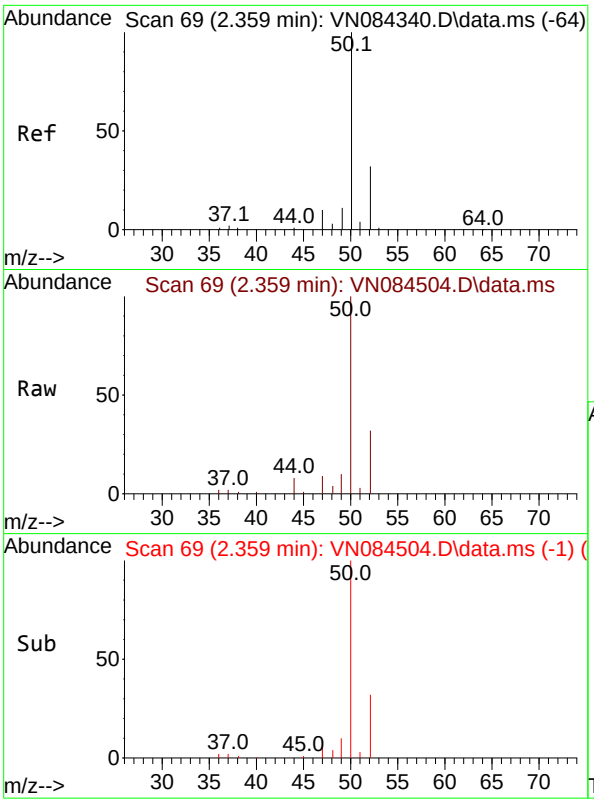


#2
Dichlorodifluoromethane
Concen: 18.295 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 85 Resp: 39661

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.4	46.4



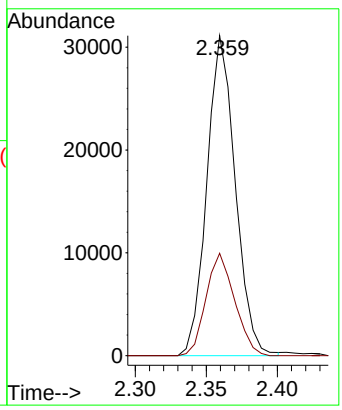


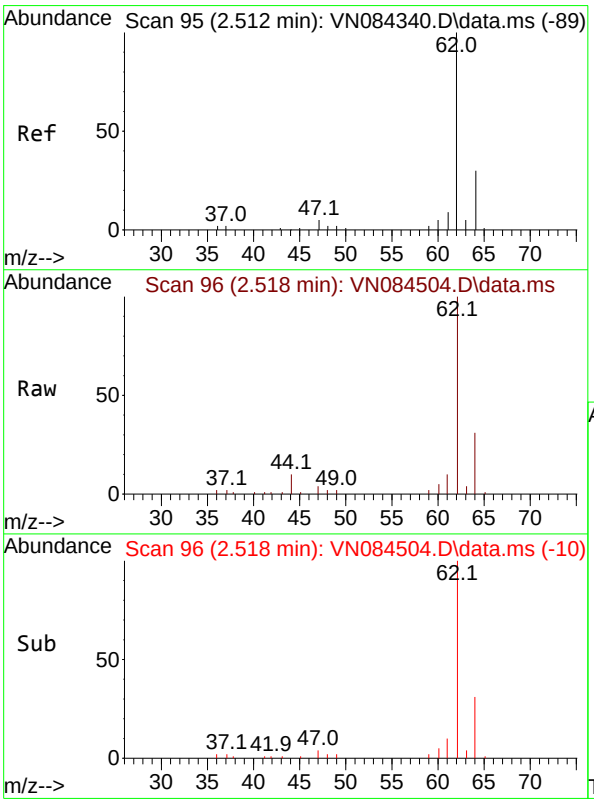
#3
Chloromethane
Concen: 17.572 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 43348

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.8	38.6

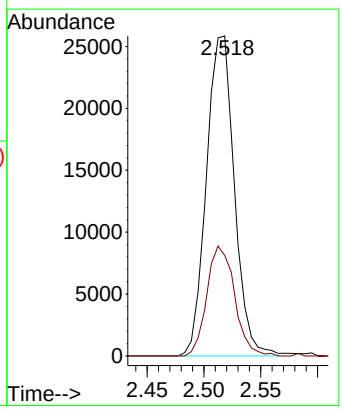


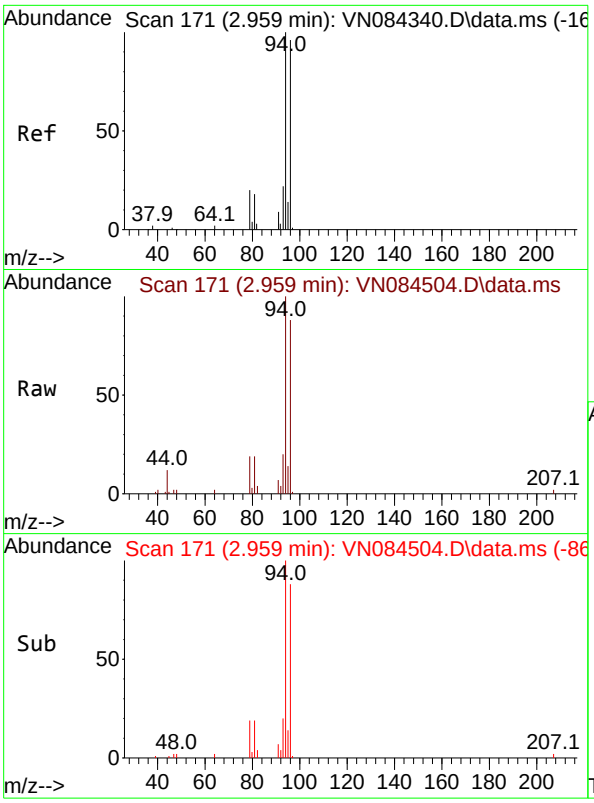


#4
Vinyl Chloride
Concen: 18.338 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 62 Resp: 44364

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



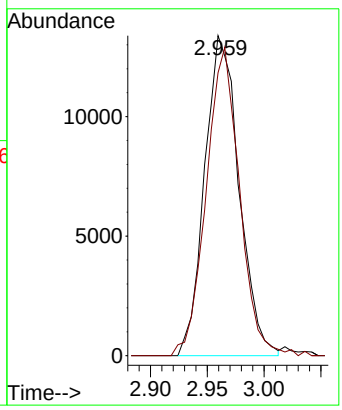


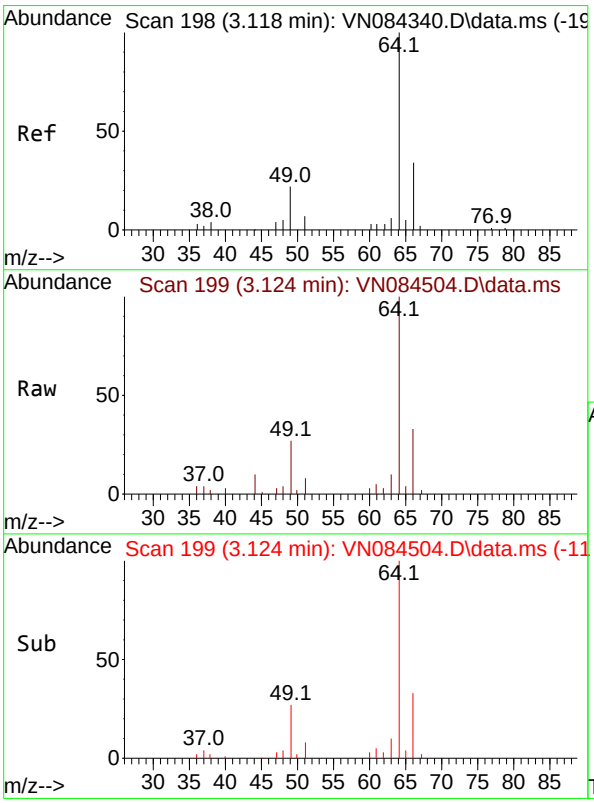
#5
Bromomethane
Concen: 17.561 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 28146

Ion	Ratio	Lower	Upper
94	100		
96	86.4	76.7	115.1

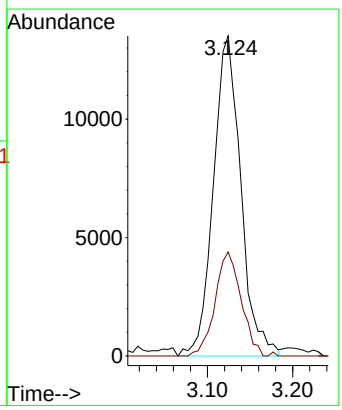


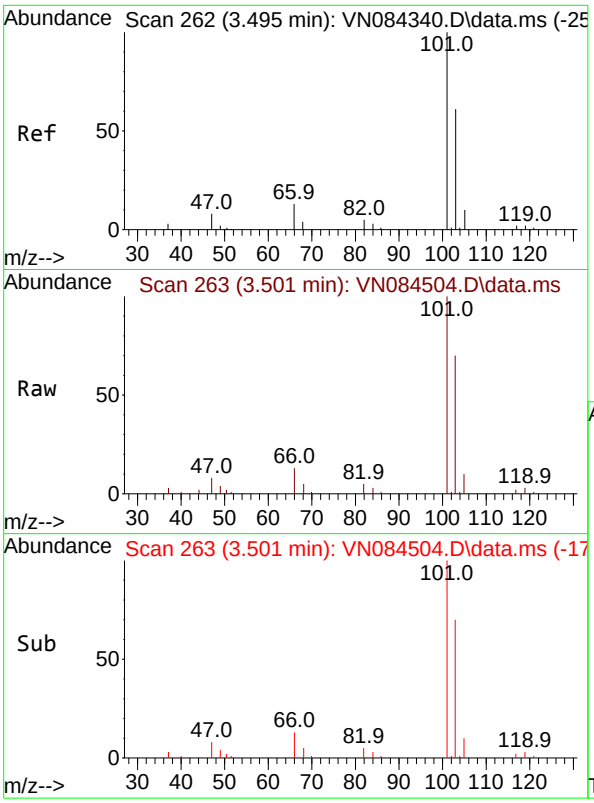


#6
Chloroethane
Concen: 19.017 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 64 Resp: 30160

Ion	Ratio	Lower	Upper
64	100		
66	32.5	27.7	41.5



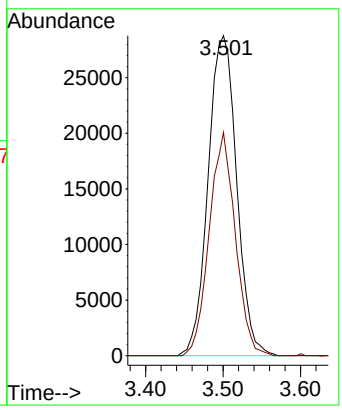


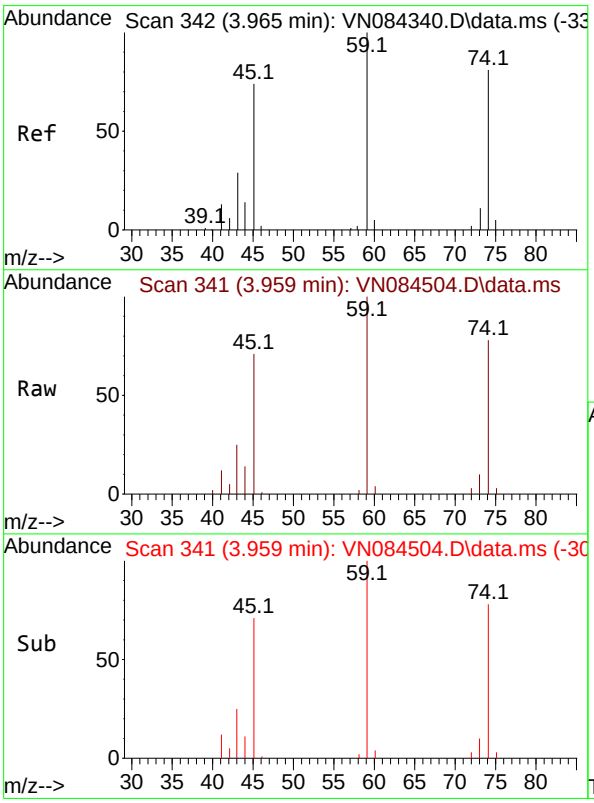
#7
Trichlorofluoromethane
Concen: 18.762 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 73931

Ion	Ratio	Lower	Upper
101	100		
103	69.8	49.0	73.6

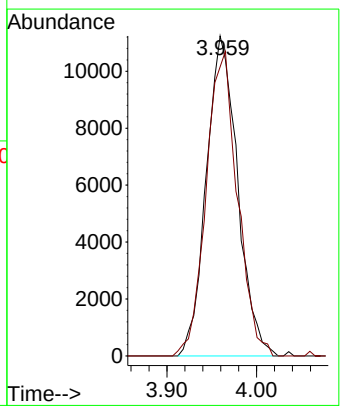


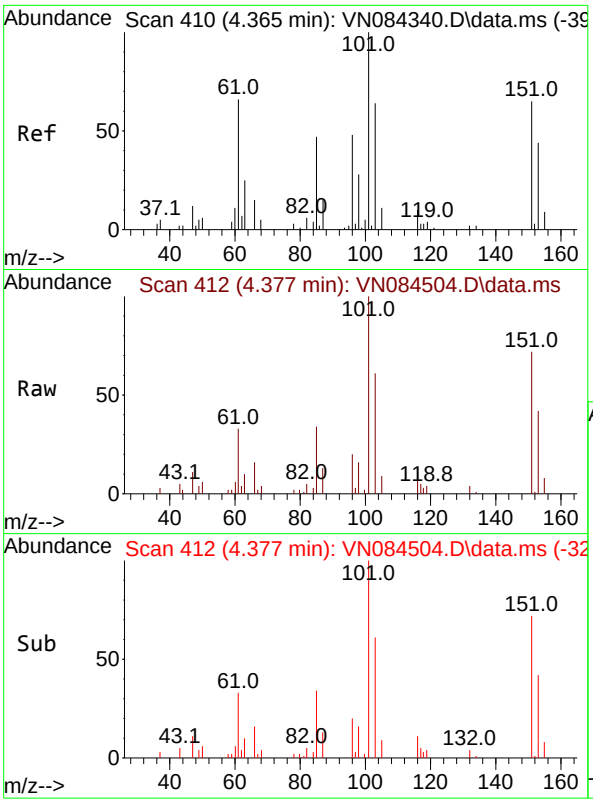


#8
Diethyl Ether
Concen: 18.804 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 74 Resp: 27242

Ion	Ratio	Lower	Upper
74	100		
45	95.2	19.2	173.2



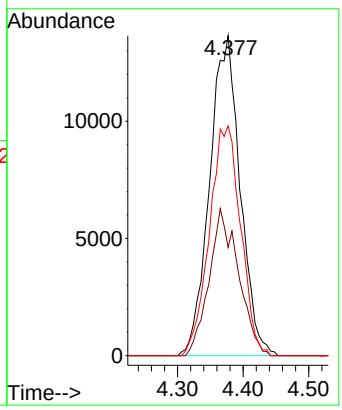


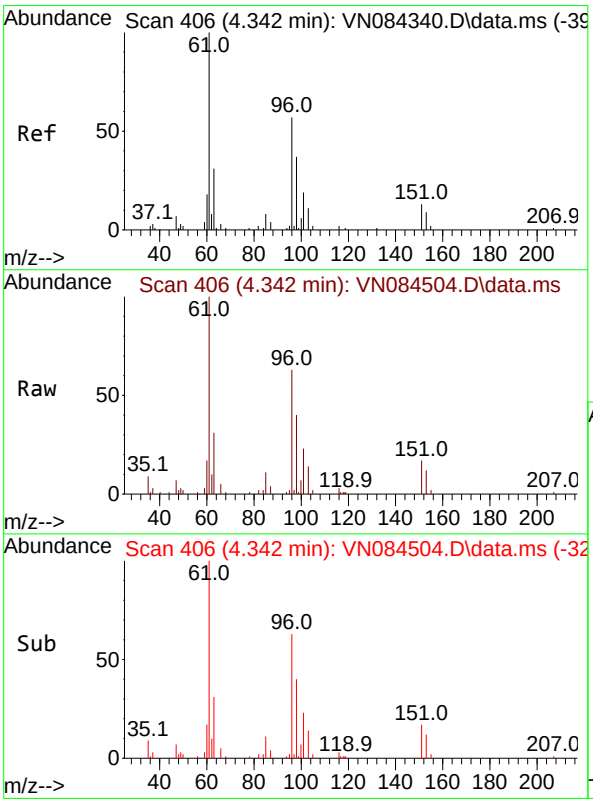
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.897 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 44085

Ion	Ratio	Lower	Upper
101	100		
85	28.0	0.0	93.6
151	38.7	0.0	151.8

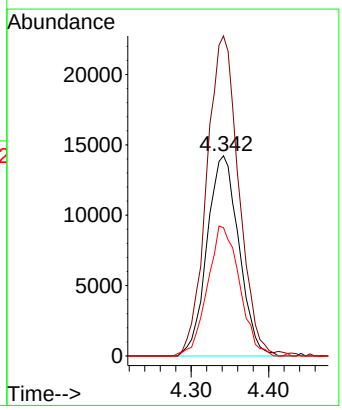


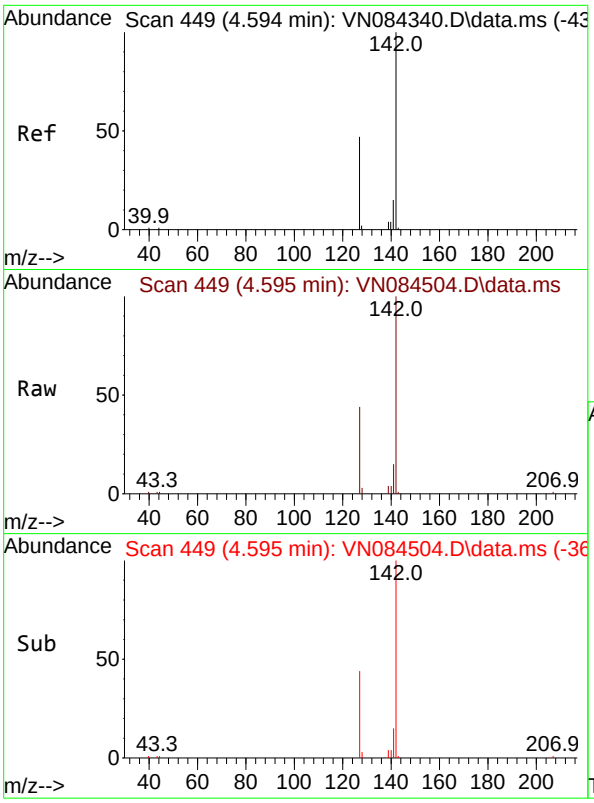


#10
1,1-Dichloroethene
Concen: 18.358 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 96 Resp: 40585

Ion	Ratio	Lower	Upper
96	100		
61	159.9	140.8	211.2
98	64.1	52.2	78.2



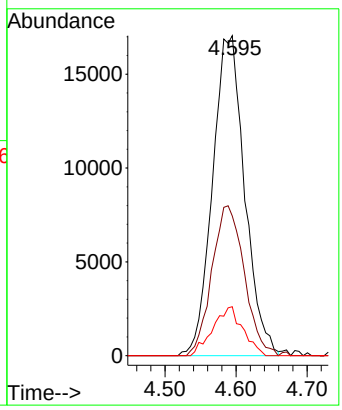


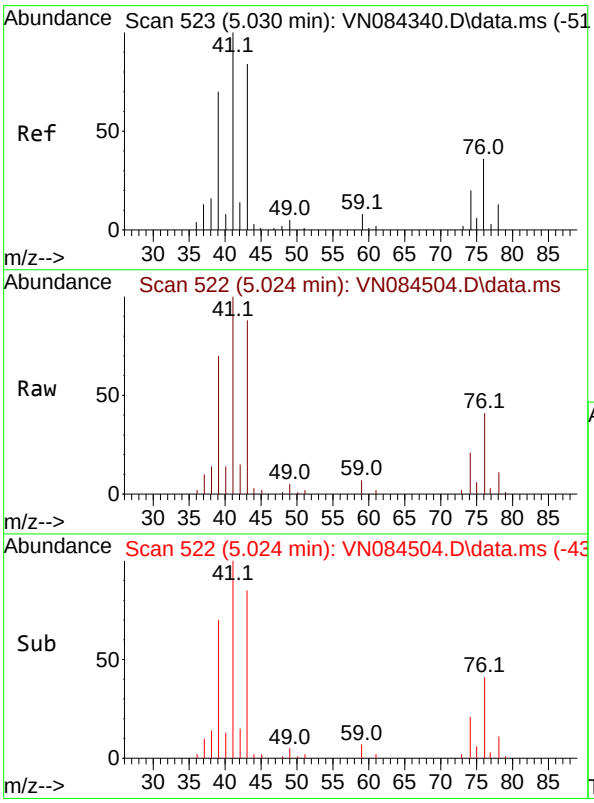
#11
Methyl Iodide
Concen: 18.427 ug/l
RT: 4.595 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:142 Resp: 53535

Ion	Ratio	Lower	Upper
142	100		
127	43.9	23.8	71.4
141	15.4	7.4	22.2

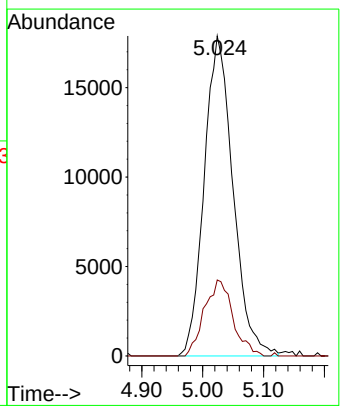


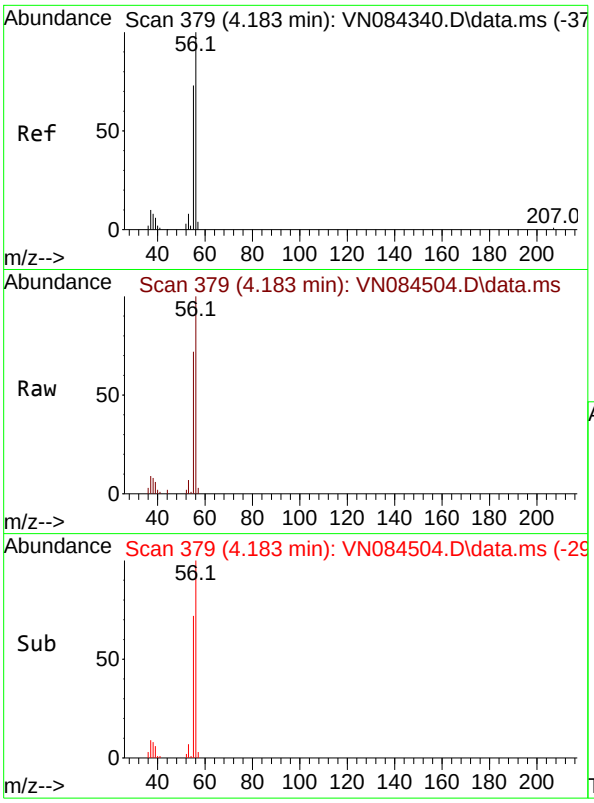


#12
Methyl Acetate
Concen: 21.239 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 58784

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2



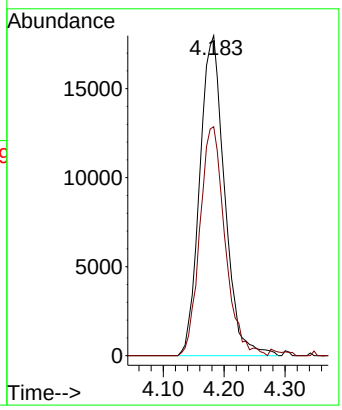


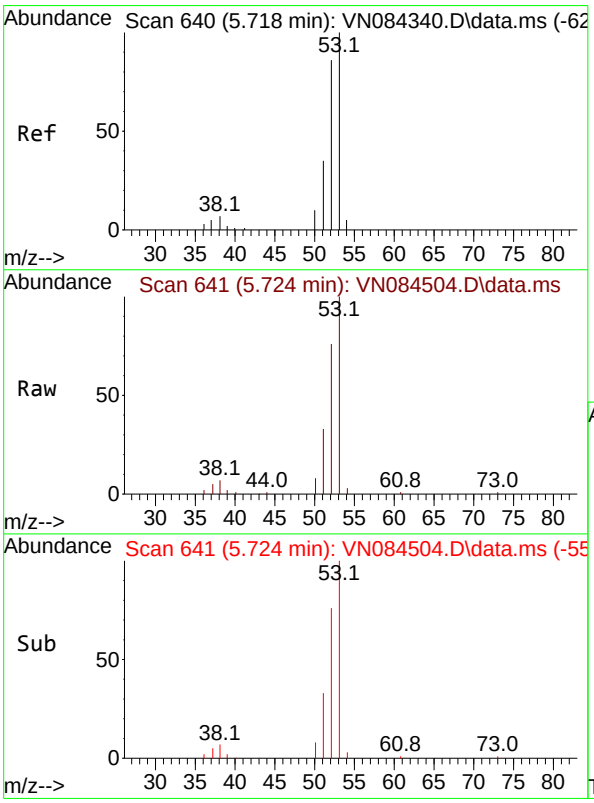
#13
Acrolein
Concen: 99.121 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 50962

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.4	84.6

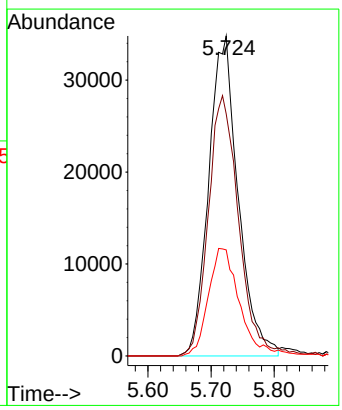


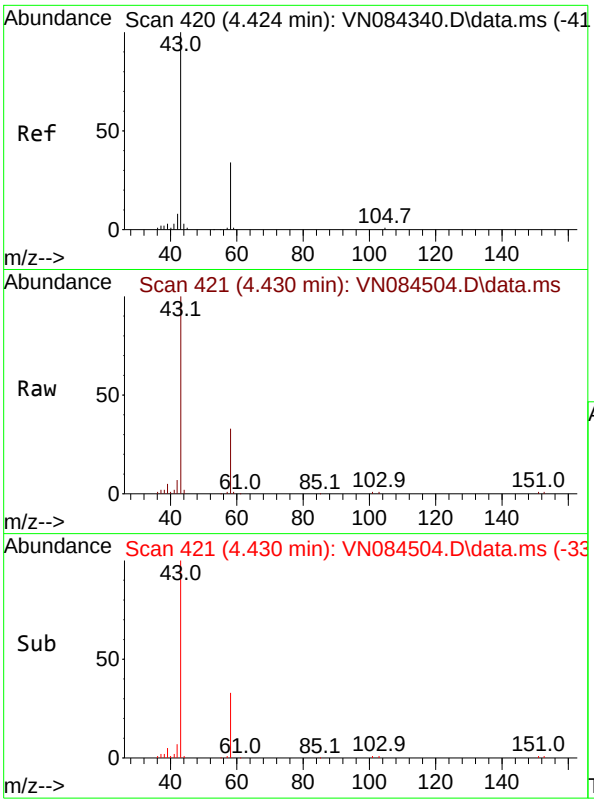


#14
Acrylonitrile
Concen: 90.663 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 53 Resp: 112734

Ion	Ratio	Lower	Upper
53	100		
52	82.8	40.4	121.2
51	34.0	17.8	53.4



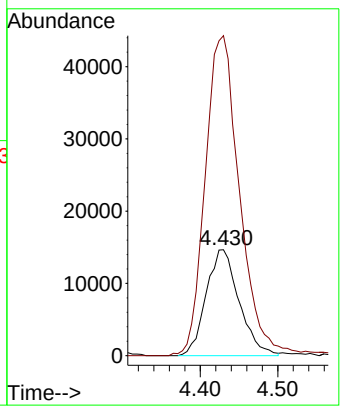


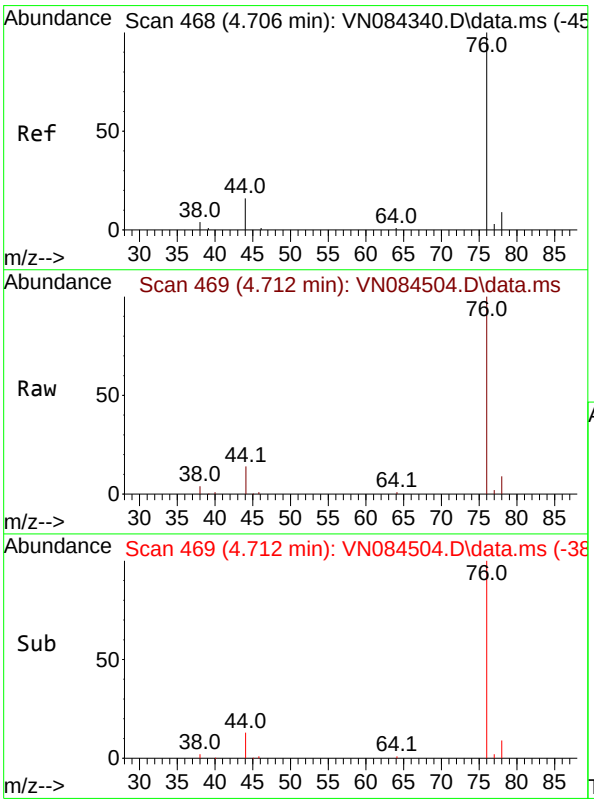
#15
Acetone
Concen: 122.505 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 43514

Ion	Ratio	Lower	Upper
58	100		
43	300.3	237.5	356.3

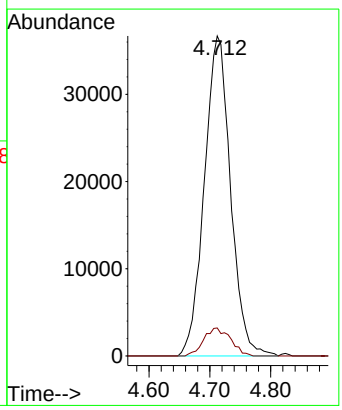


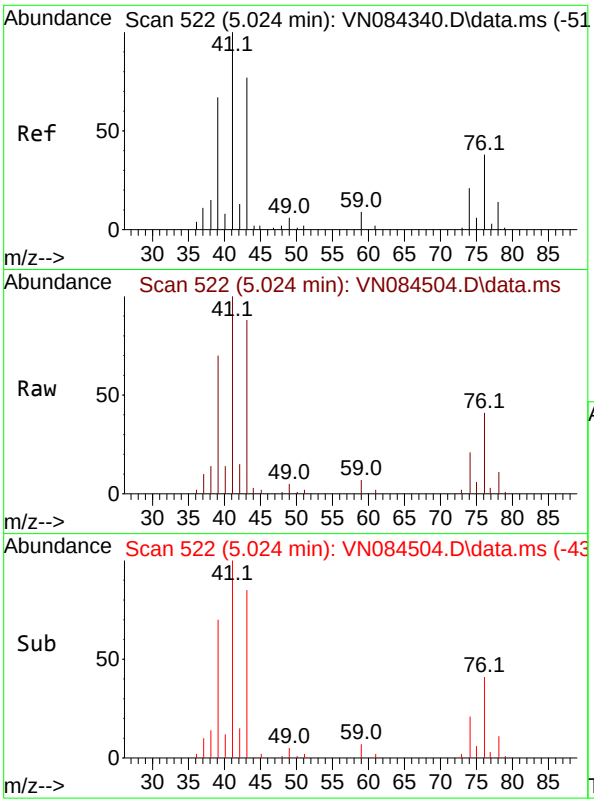


#16
Carbon Disulfide
Concen: 16.656 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 76 Resp: 109654

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7



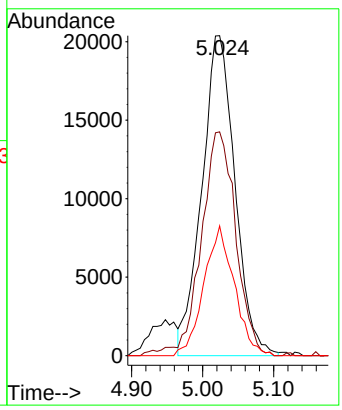


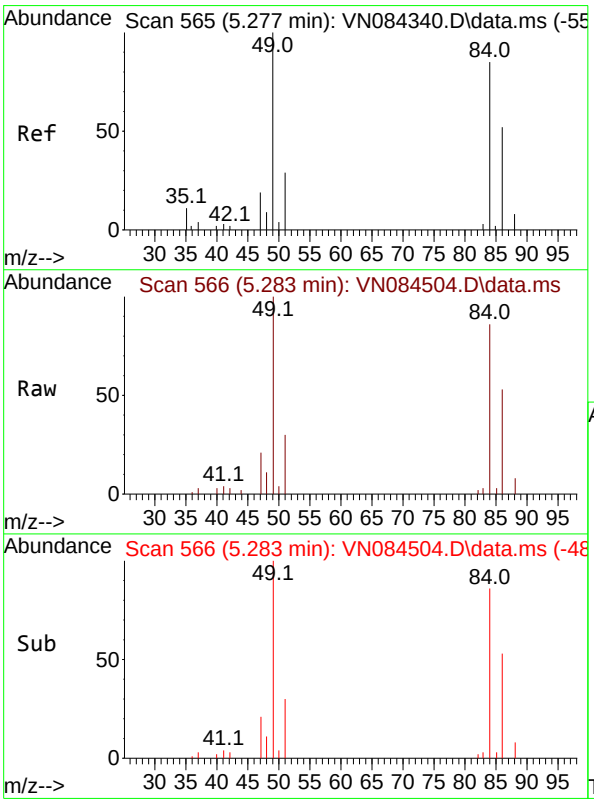
#17
Allyl chloride
Concen: 18.433 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 66059

Ion	Ratio	Lower	Upper
41	100		
39	70.6	31.4	94.3
76	41.0	17.8	53.5

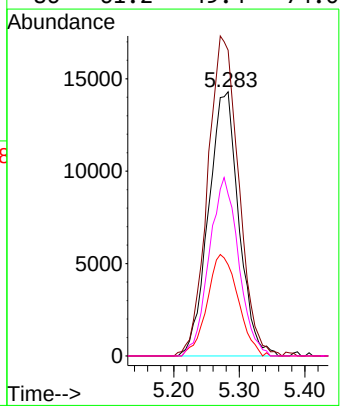


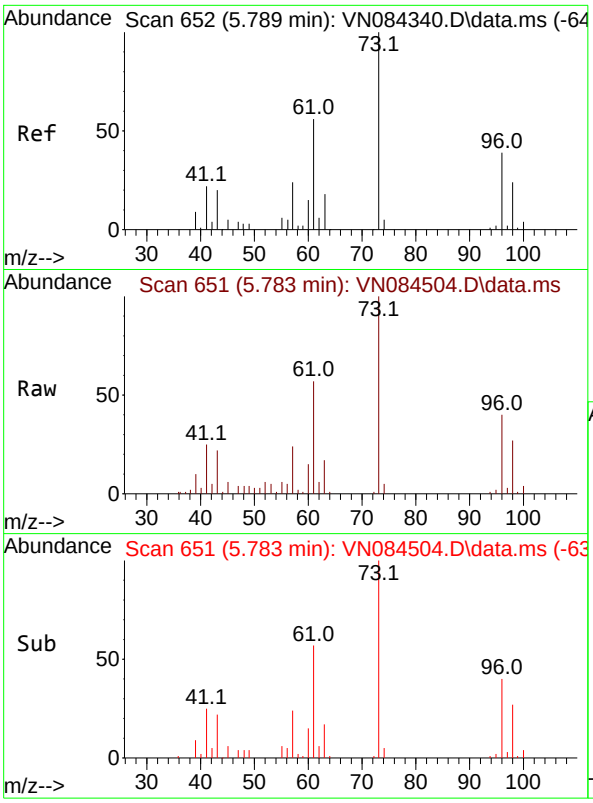


#18
Methylene Chloride
Concen: 18.429 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 84 Resp: 45898

Ion	Ratio	Lower	Upper
84	100		
49	114.6	94.6	142.0
51	34.5	27.3	40.9
86	61.2	49.4	74.0



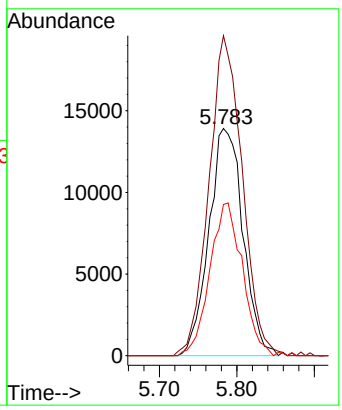


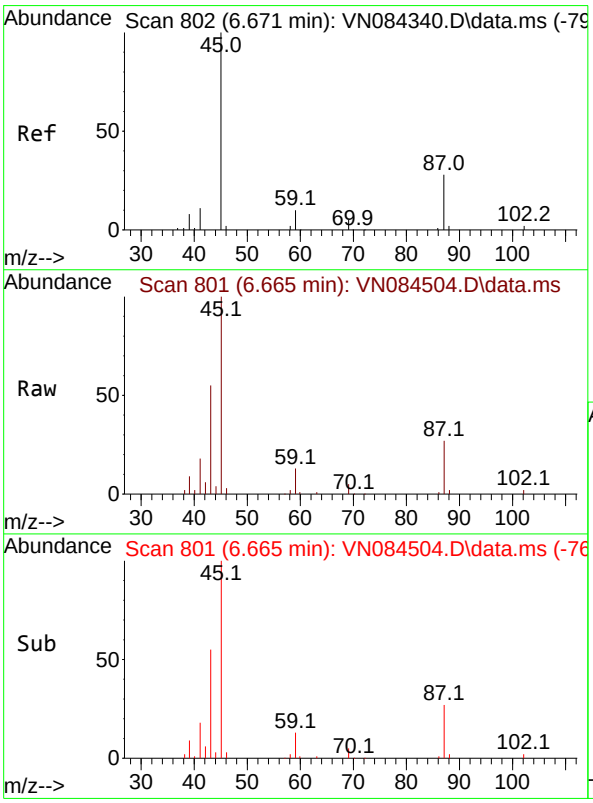
#19
trans-1,2-Dichloroethene
Concen: 18.179 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 42534

Ion	Ratio	Lower	Upper
96	100		
61	139.0	115.8	173.6
98	66.5	49.4	74.0

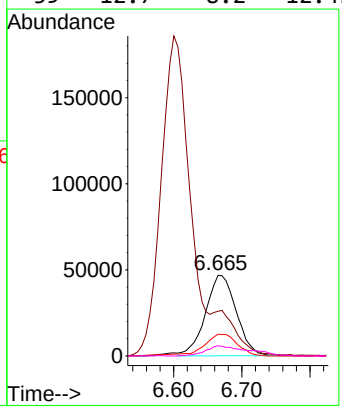


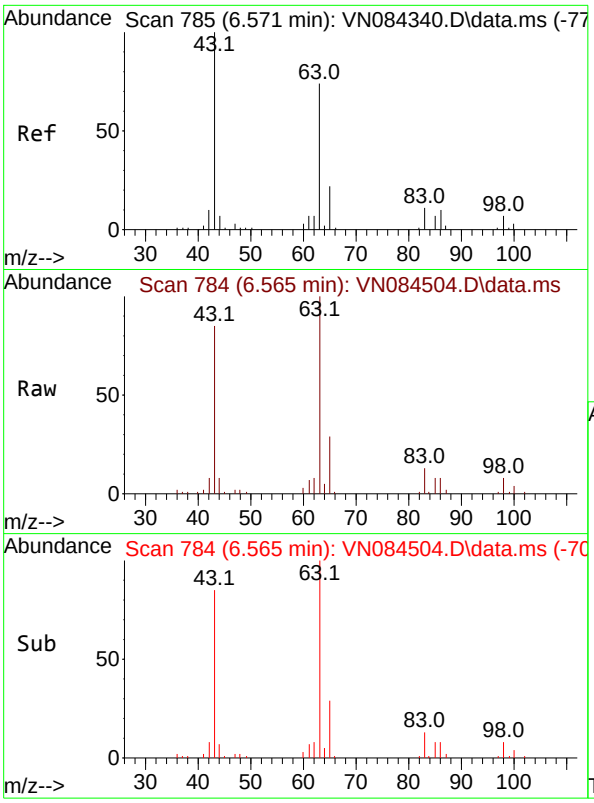


#20
Diisopropyl ether
Concen: 19.011 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 45 Resp: 146490

Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.7	65.5
87	27.1	23.1	34.7
59	12.7	8.2	12.4#



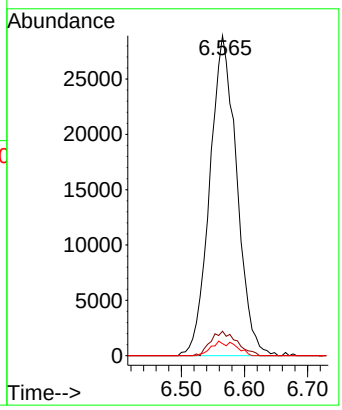


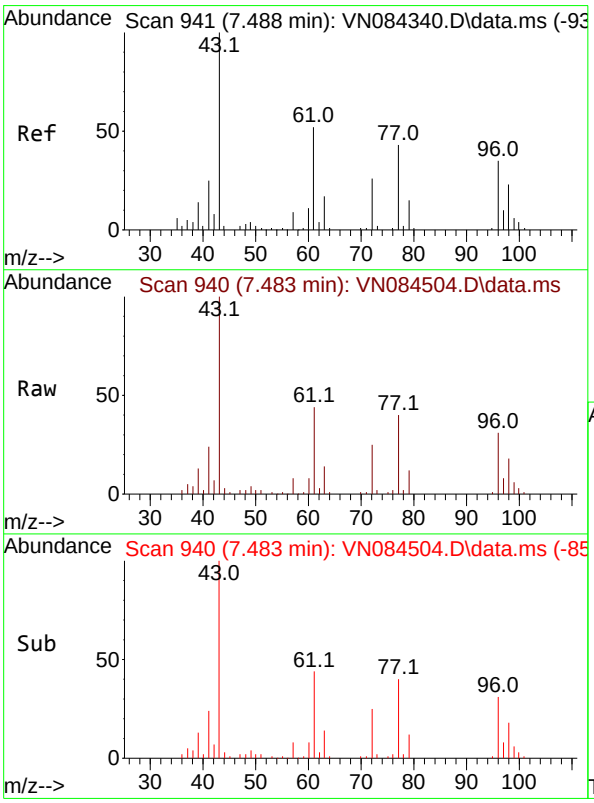
#21
1,1-Dichloroethane
Concen: 19.388 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 85721

Ion	Ratio	Lower	Upper
63	100		
98	7.6	4.5	13.4
100	3.8	2.1	6.3

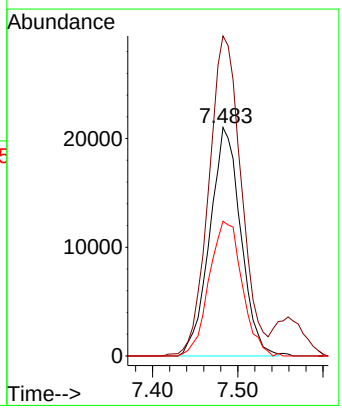


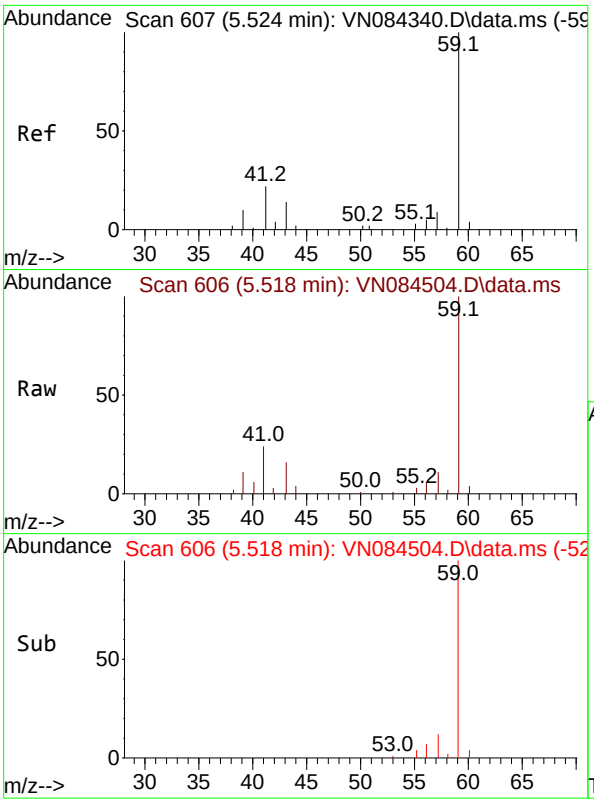


#22
cis-1,2-Dichloroethene
Concen: 19.473 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 96 Resp: 53018

Ion	Ratio	Lower	Upper
96	100		
61	145.0	118.0	177.0
98	62.6	51.8	77.8



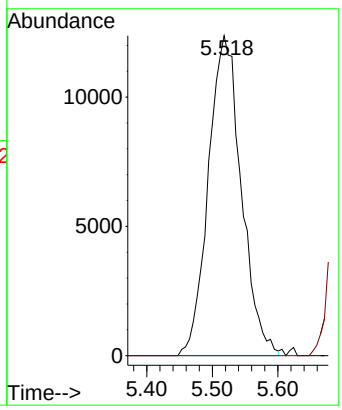


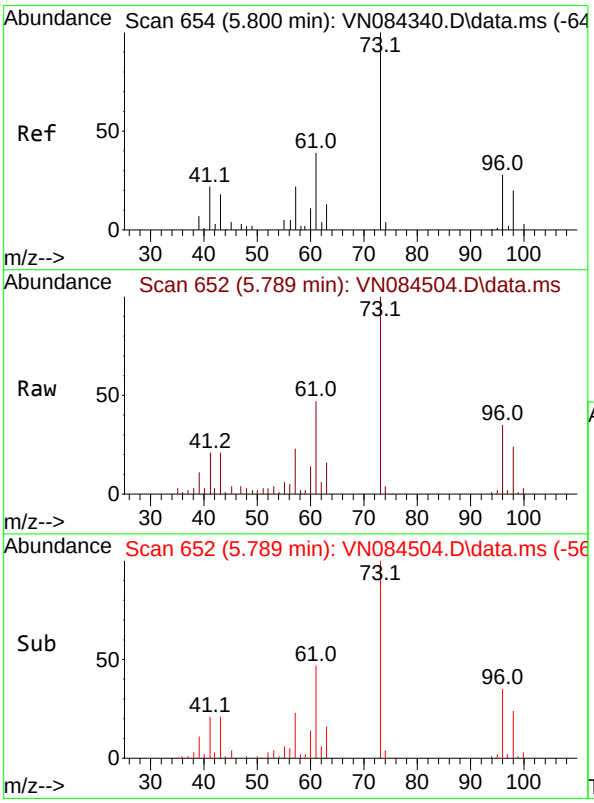
#23
tert-Butyl Alcohol
Concen: 90.279 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 43059

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

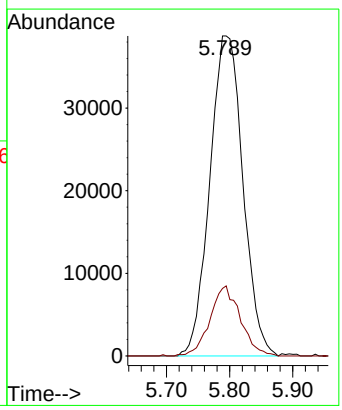


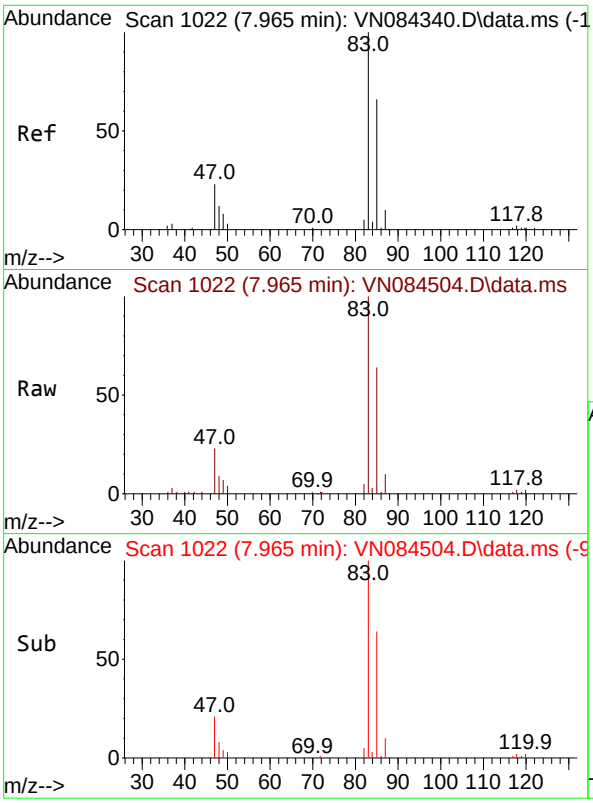


#24
Methyl tert-Butyl Ether
Concen: 19.105 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 73 Resp: 141150

Ion	Ratio	Lower	Upper
73	100		
43	20.0	10.9	16.3#



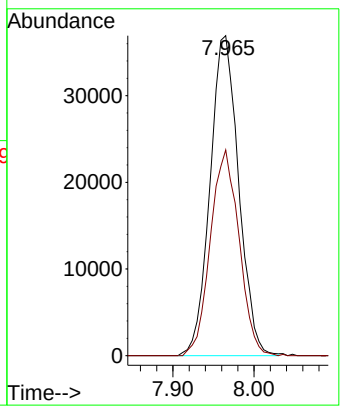


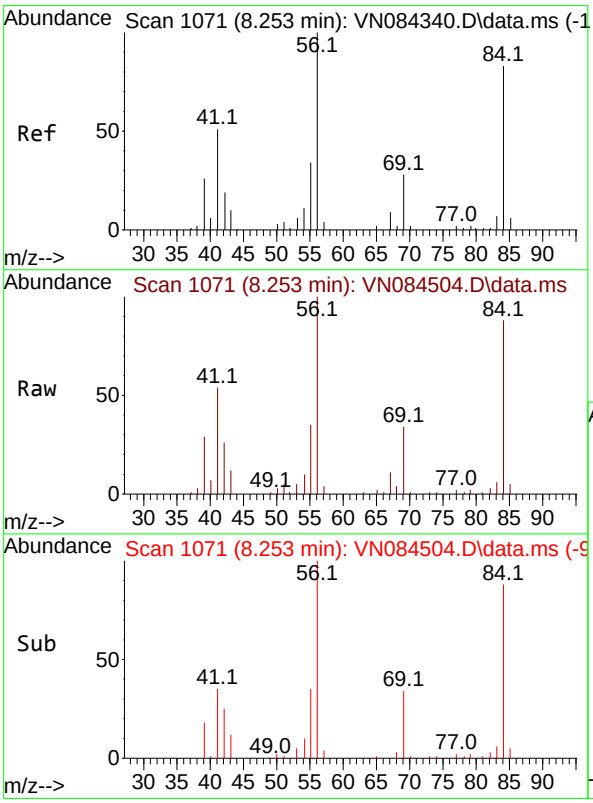
#25
Chloroform
Concen: 20.215 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 90521

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6

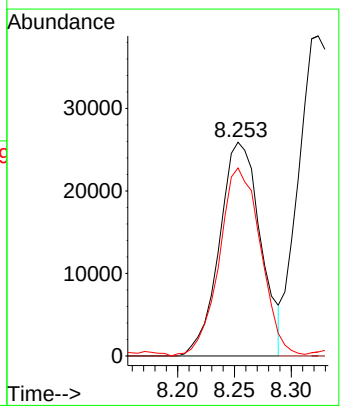


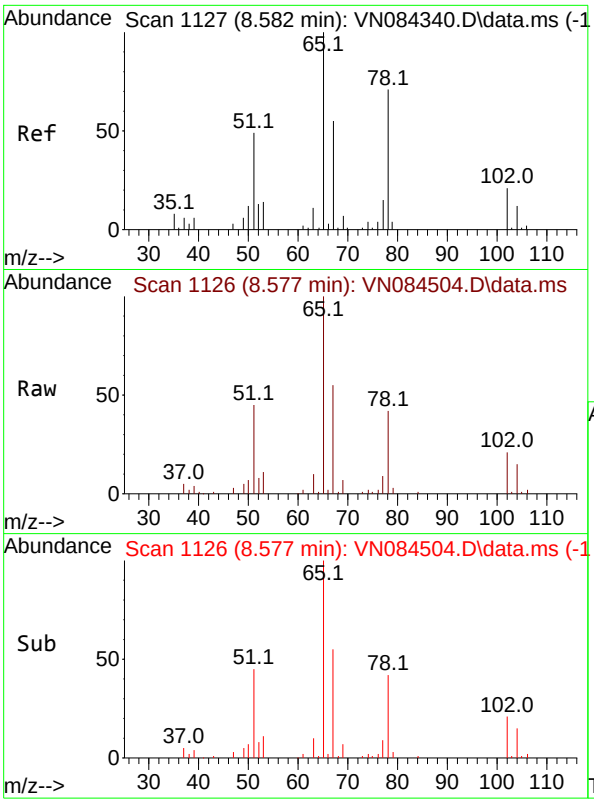


#26
Cyclohexane
Concen: 17.645 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 56 Resp: 65248

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	88.5	67.0	100.6



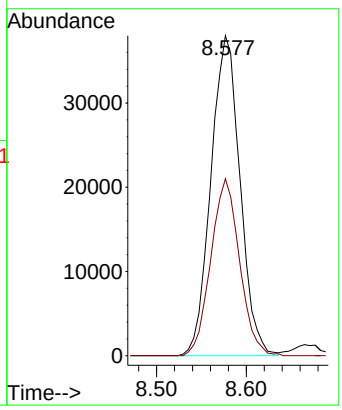


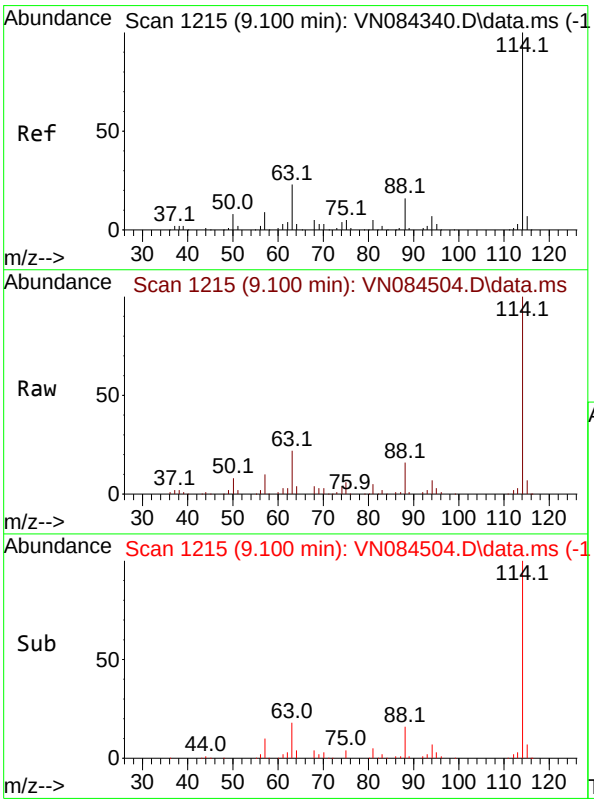
#27
1,2-Dichloroethane-d4
Concen: 29.960 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 85643

Ion	Ratio	Lower	Upper
65	100		
67	54.3	41.5	62.3

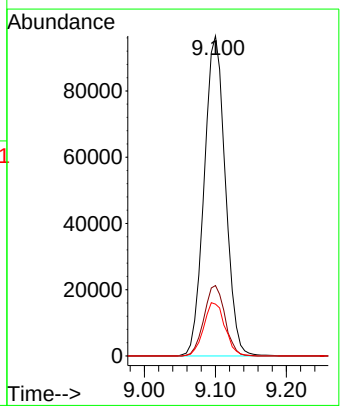


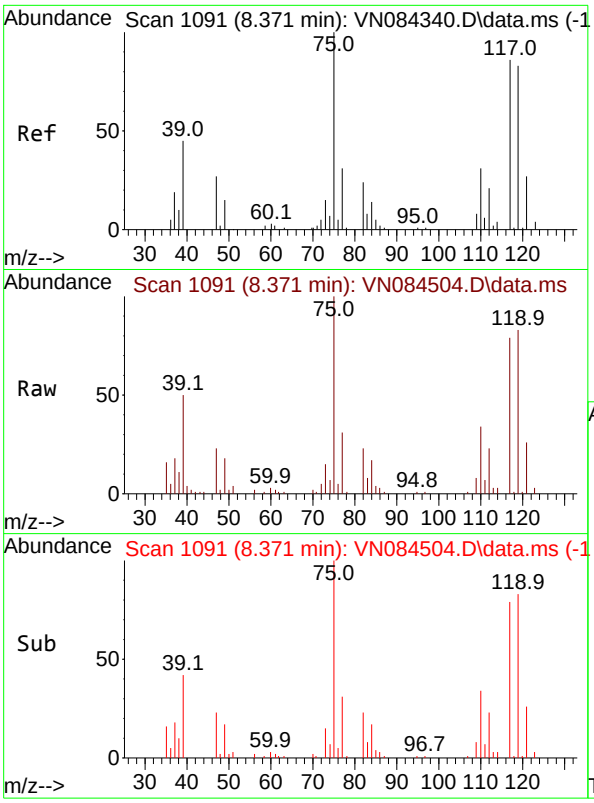


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:114 Resp: 200200

Ion	Ratio	Lower	Upper
114	100		
63	21.7	17.4	26.0
88	16.7	13.2	19.8



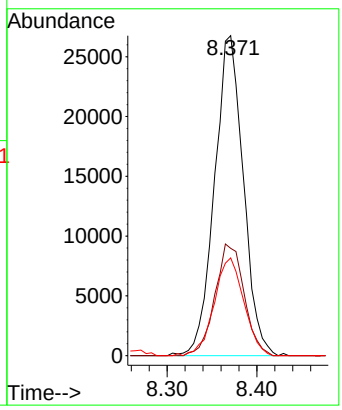


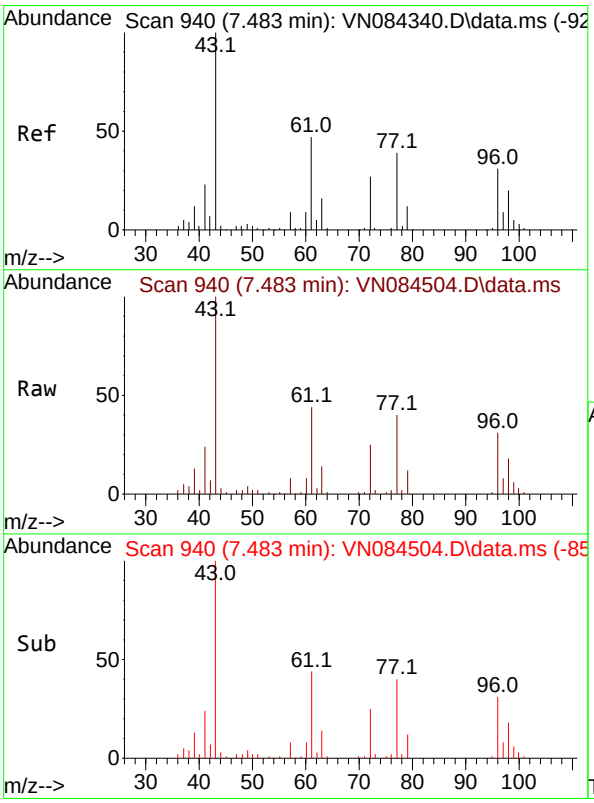
#29
1,1-Dichloropropene
Concen: 18.137 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 59606

Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	67.6
77	31.5	0.0	61.4

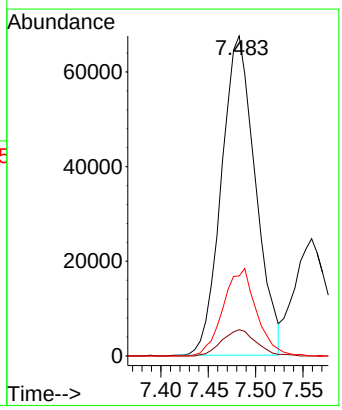


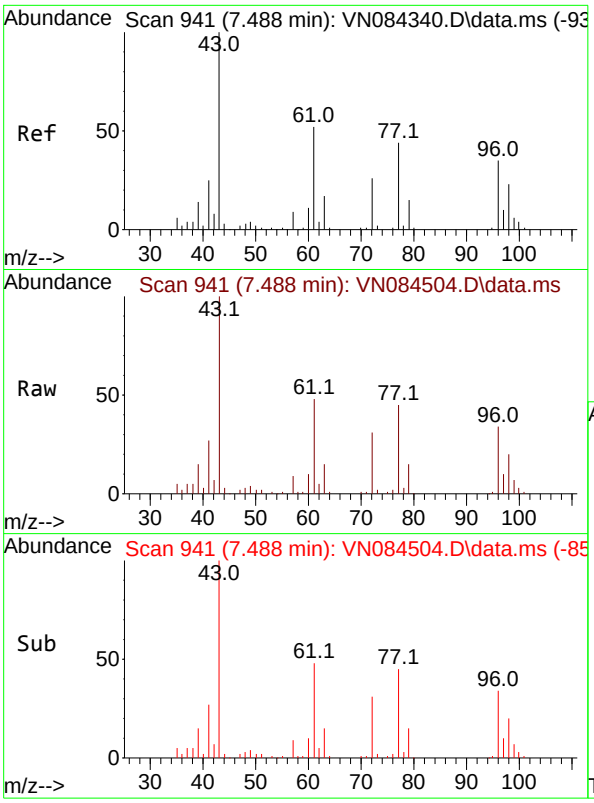


#30
2-Butanone
Concen: 96.222 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 168367

Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	9.8
72	26.9	21.3	31.9



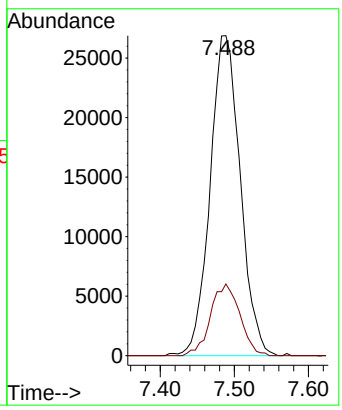


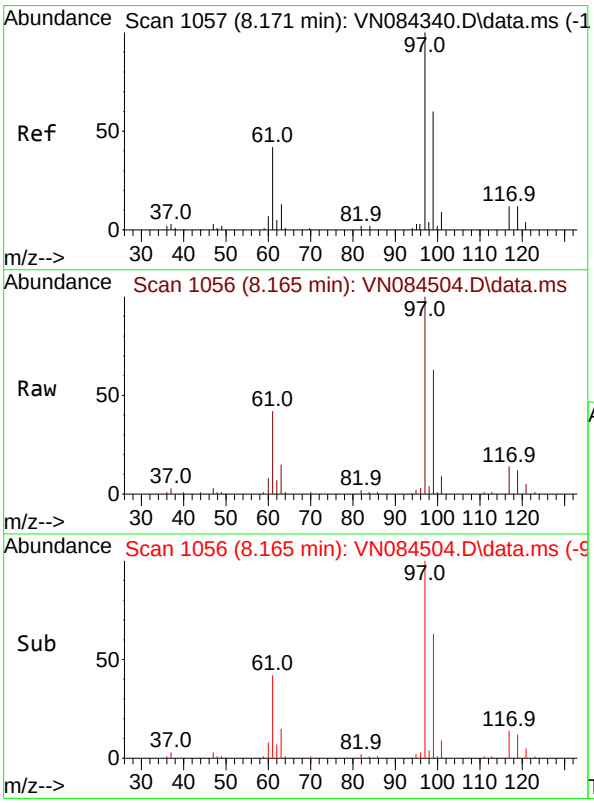
#31
2,2-Dichloropropane
Concen: 19.650 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 75888

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.5	17.3#

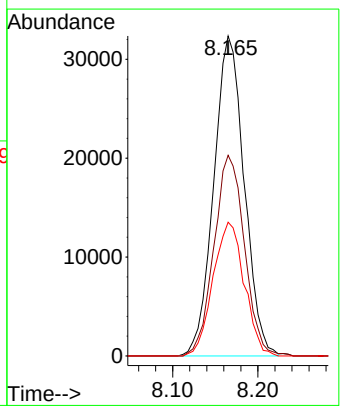


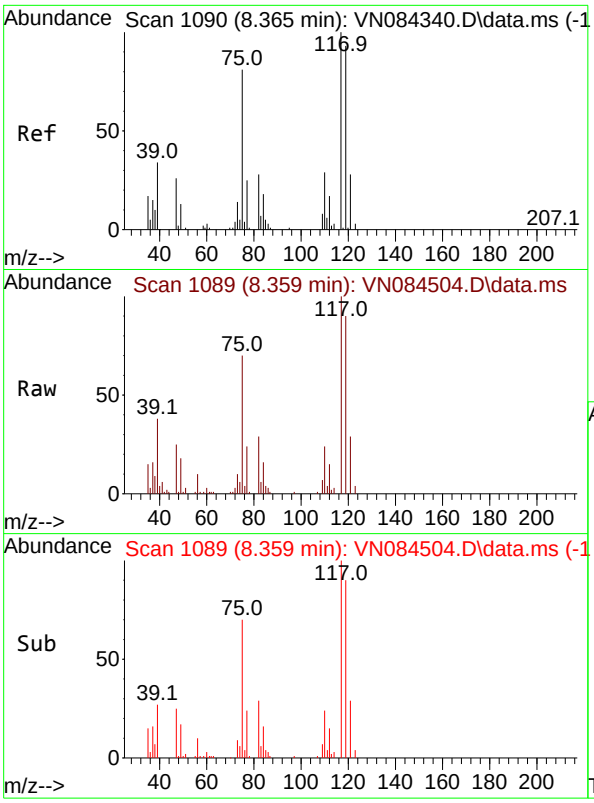


#32
1,1,1-Trichloroethane
Concen: 19.158 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 97 Resp: 80476

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.2	76.8
61	42.9	34.1	51.1



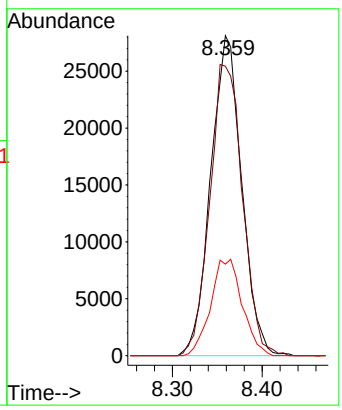


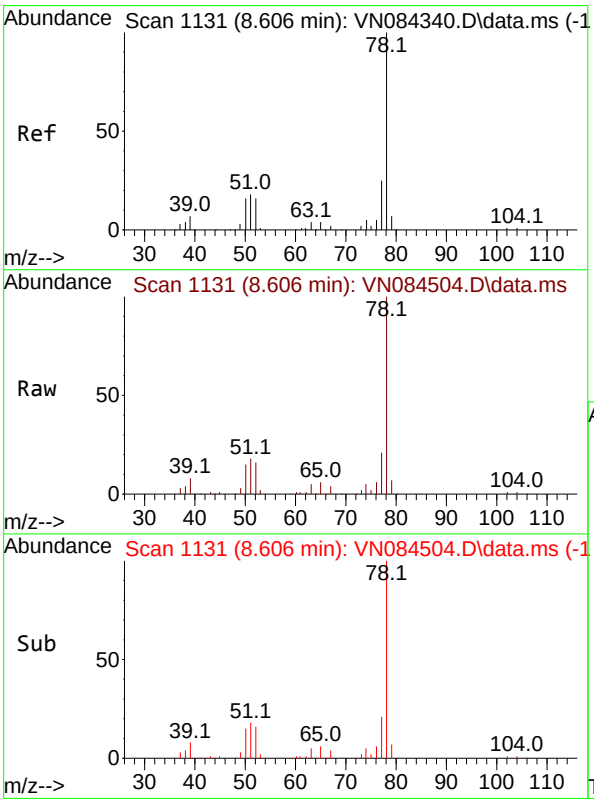
#33
Carbon Tetrachloride
Concen: 18.476 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 67238

Ion	Ratio	Lower	Upper
117	100		
119	90.4	74.3	111.5
121	28.6	22.4	33.6

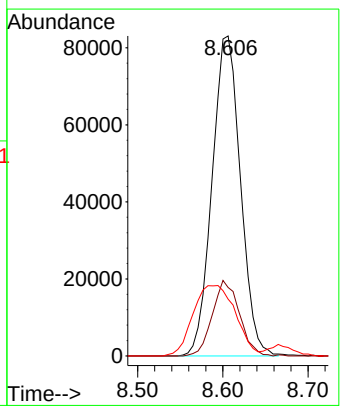


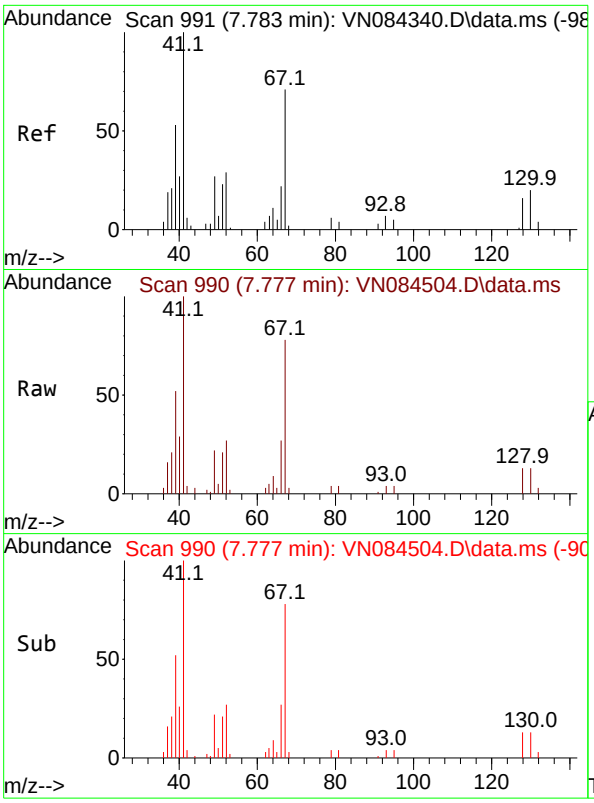


#34
Benzene
Concen: 18.712 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 78 Resp: 192502

Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.6	29.4
51	15.7	15.8	23.6#



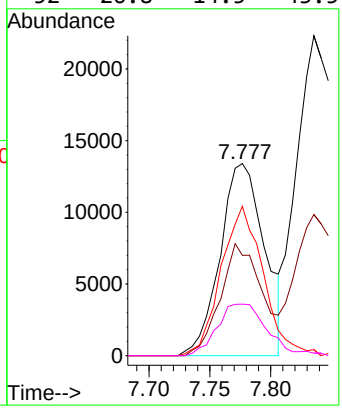


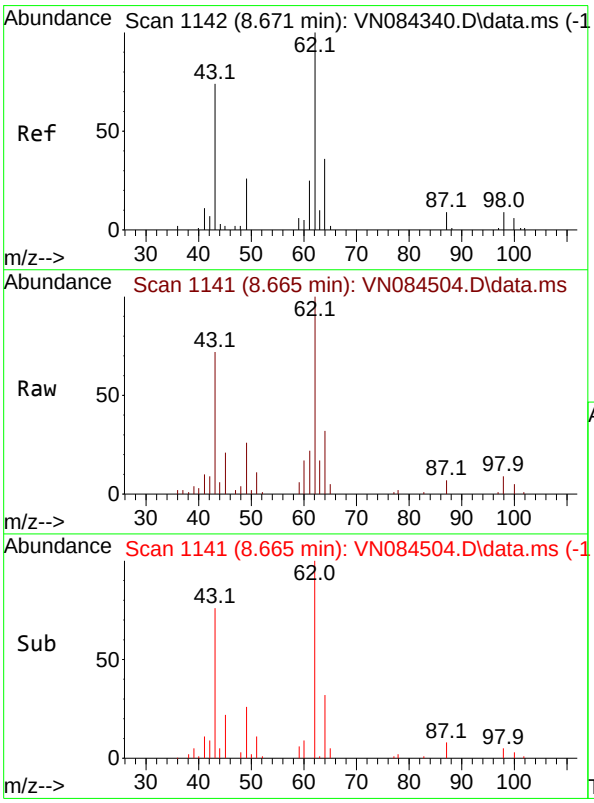
#35
Methacrylonitrile
Concen: 18.205 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 33984

Ion	Ratio	Lower	Upper
41	100		
39	52.2	26.4	79.0
67	77.8	35.7	107.1
52	26.8	14.5	43.5

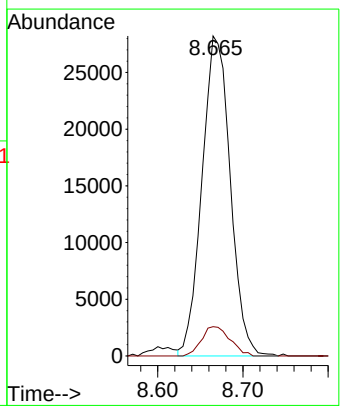


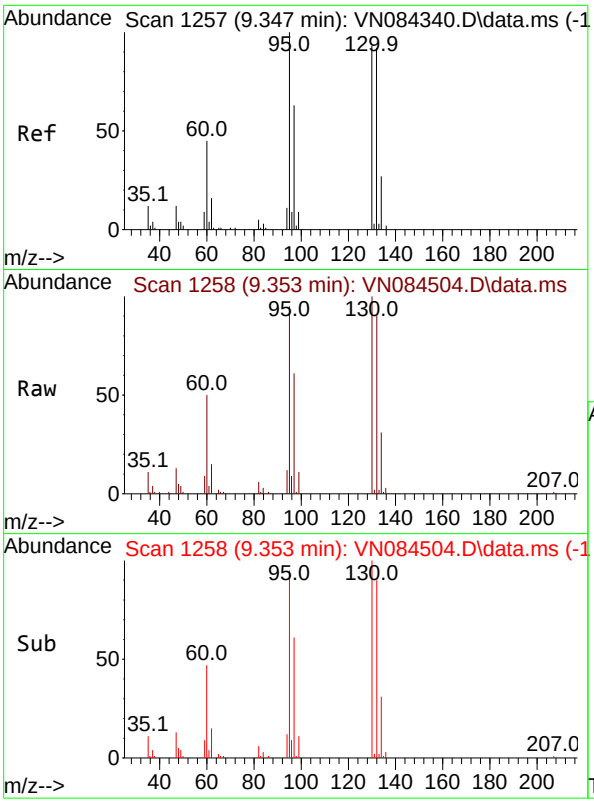


#36
1,2-Dichloroethane
Concen: 18.977 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 62 Resp: 65072

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9



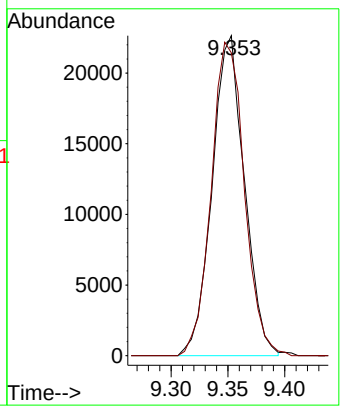


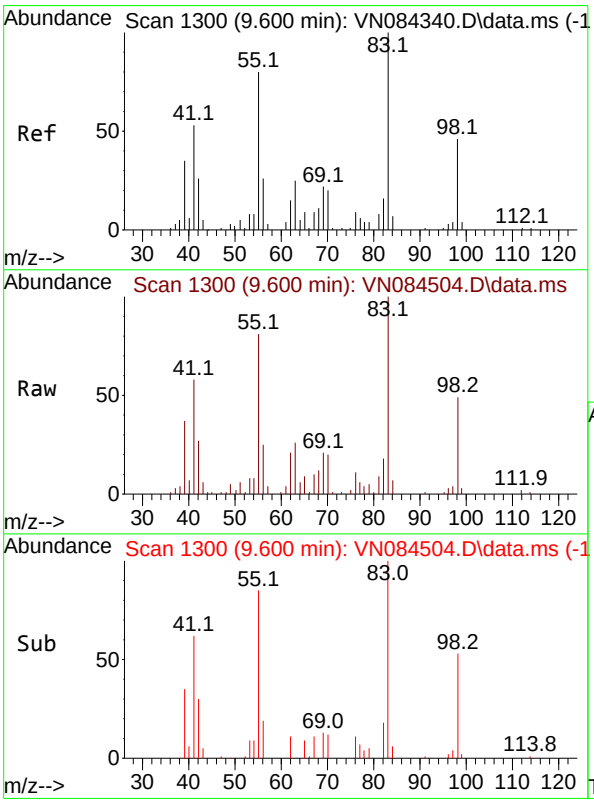
#37
Trichloroethene
Concen: 18.875 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:130 Resp: 44712

Ion	Ratio	Lower	Upper
130	100		
95	94.7	85.8	128.6

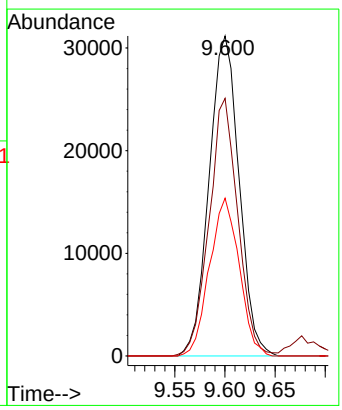


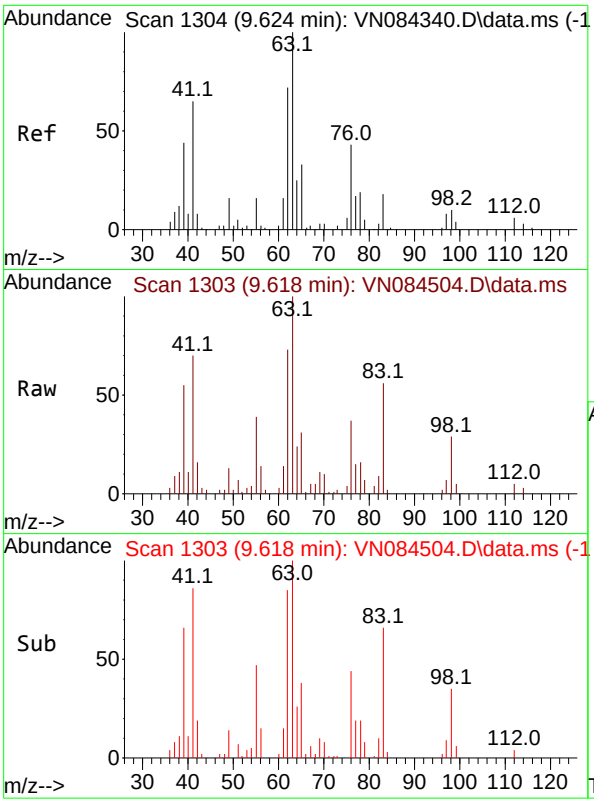


#38
Methylcyclohexane
Concen: 17.975 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 83 Resp: 64890

Ion	Ratio	Lower	Upper
83	100		
55	77.1	39.3	117.8
98	48.9	24.0	72.0



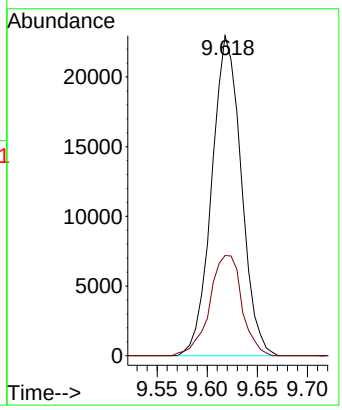


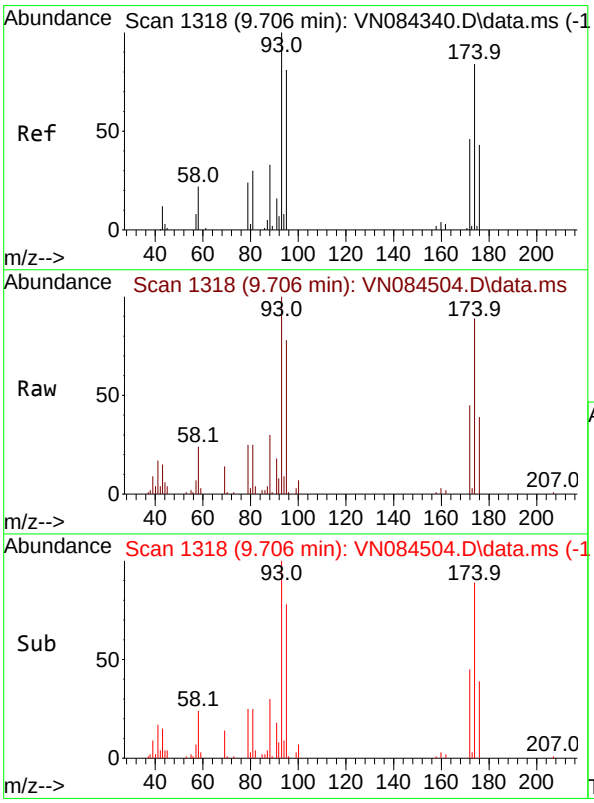
#39
1,2-Dichloropropane
Concen: 18.758 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 47058

Ion	Ratio	Lower	Upper
63	100		
65	31.3	26.3	39.5

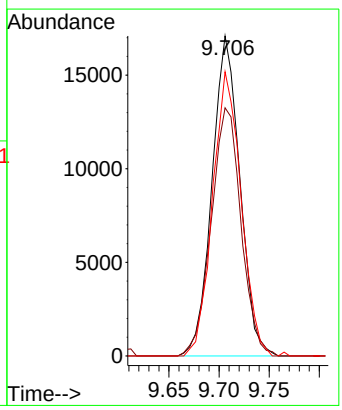


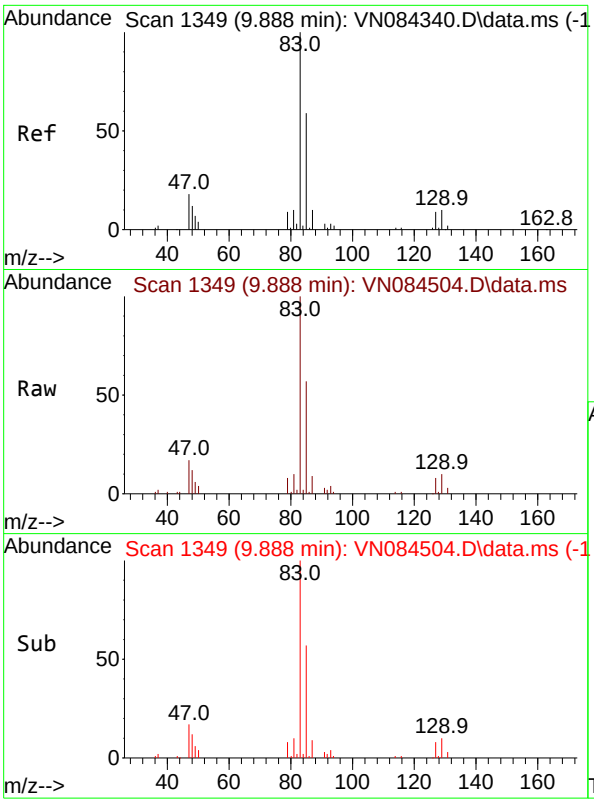


#40
Dibromomethane
Concen: 18.841 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 93 Resp: 33034

Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	171.4
174	90.8	0.0	183.0



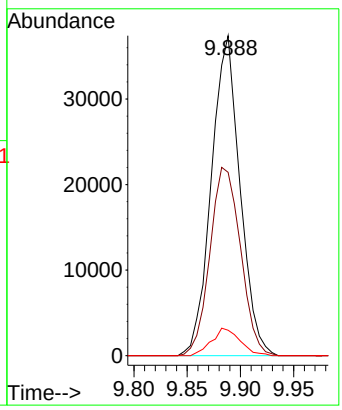


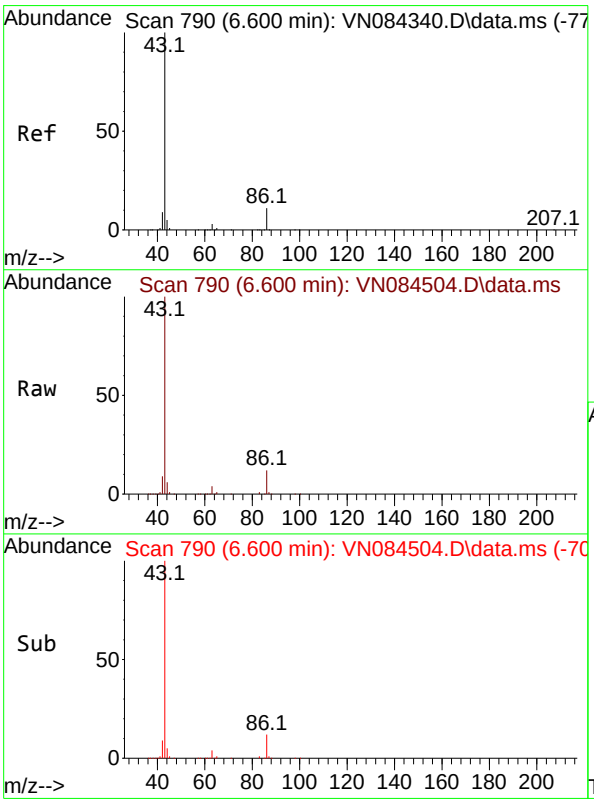
#41
Bromodichloromethane
Concen: 18.785 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 69922

Ion	Ratio	Lower	Upper
83	100		
85	57.3	47.1	70.7
127	7.9	7.1	10.7

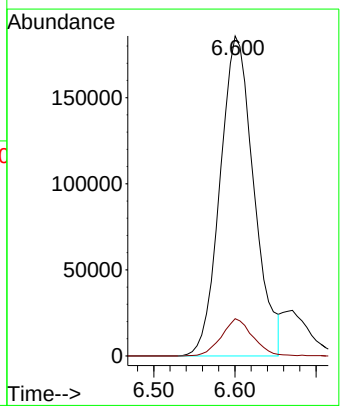


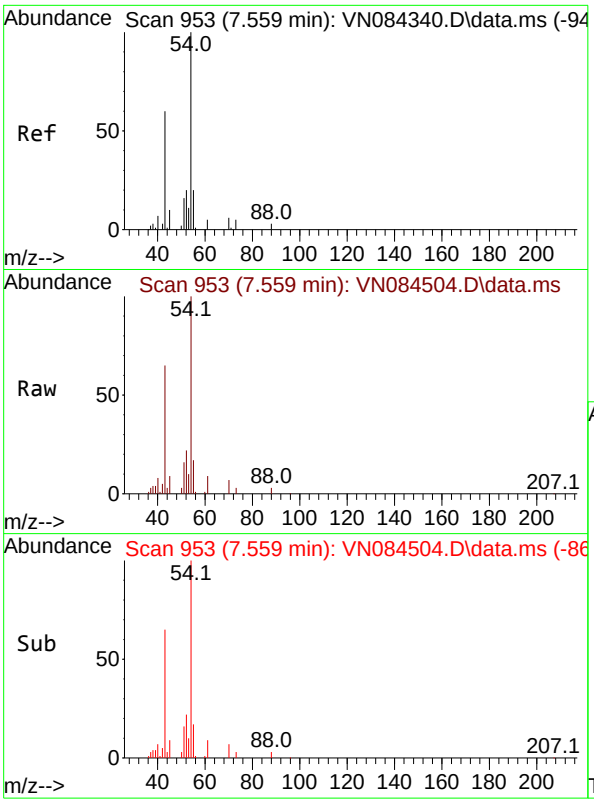


#42
Vinyl Acetate
Concen: 88.329 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 537529

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.5	12.7



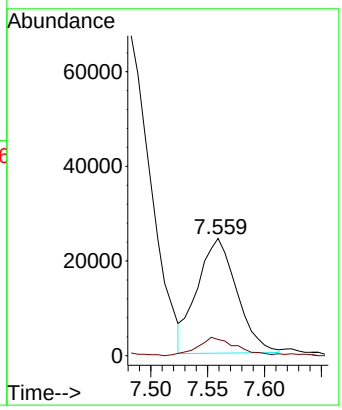


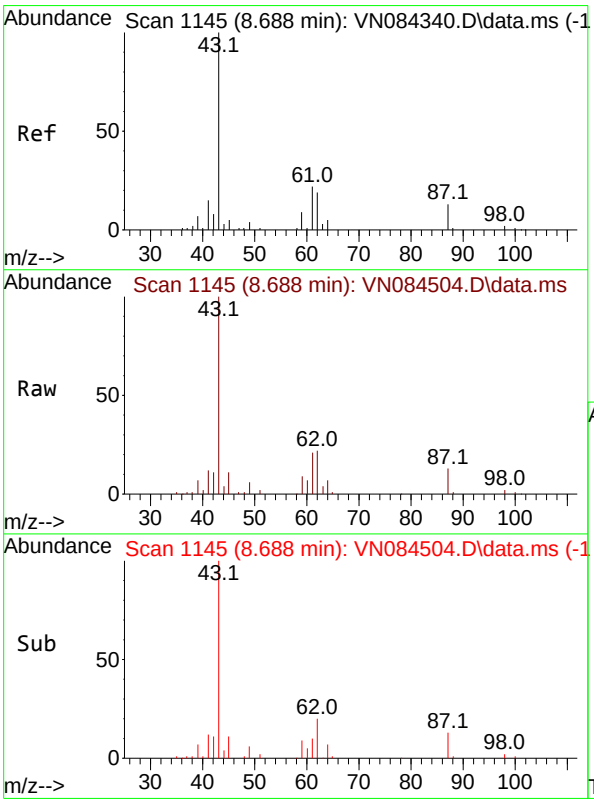
#43
Ethyl Acetate
Concen: 17.008 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 58695

Ion	Ratio	Lower	Upper
43	100		
45	15.3	10.6	16.0

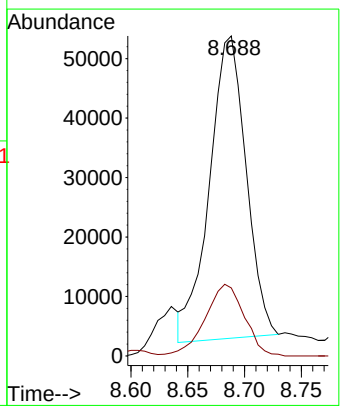


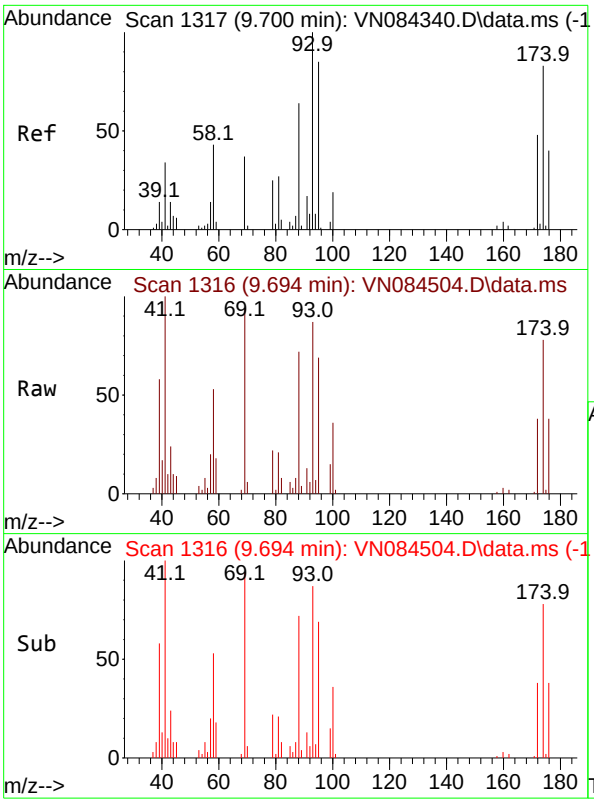


#44
Isopropyl Acetate
Concen: 20.211 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 114155

Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.4	32.2



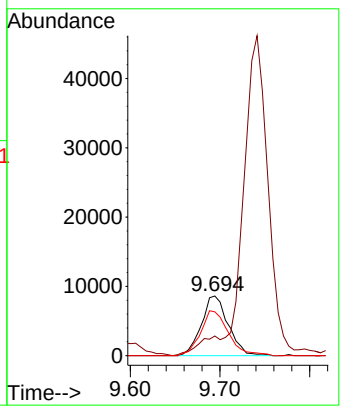


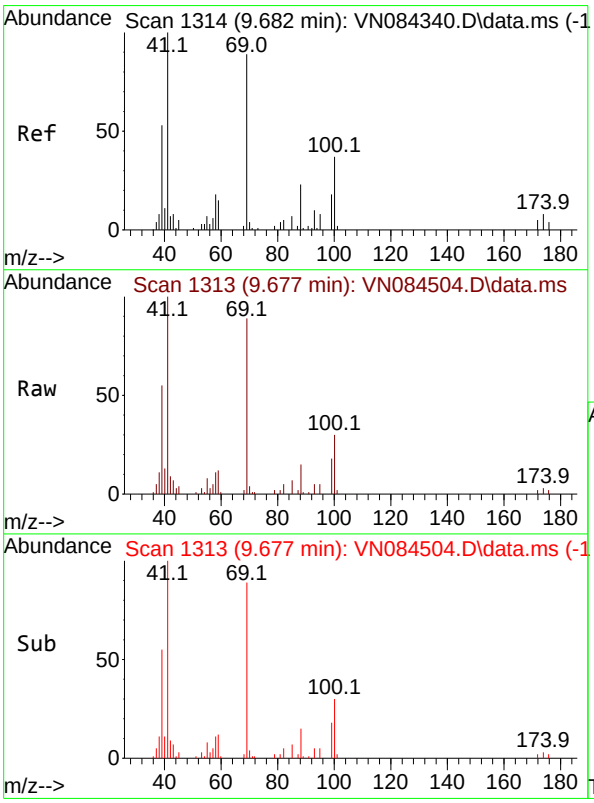
#45
1,4-Dioxane
Concen: 352.143 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 88 Resp: 17930

Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.4	33.6
58	78.1	59.7	89.5

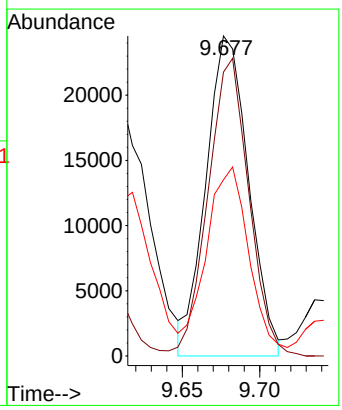


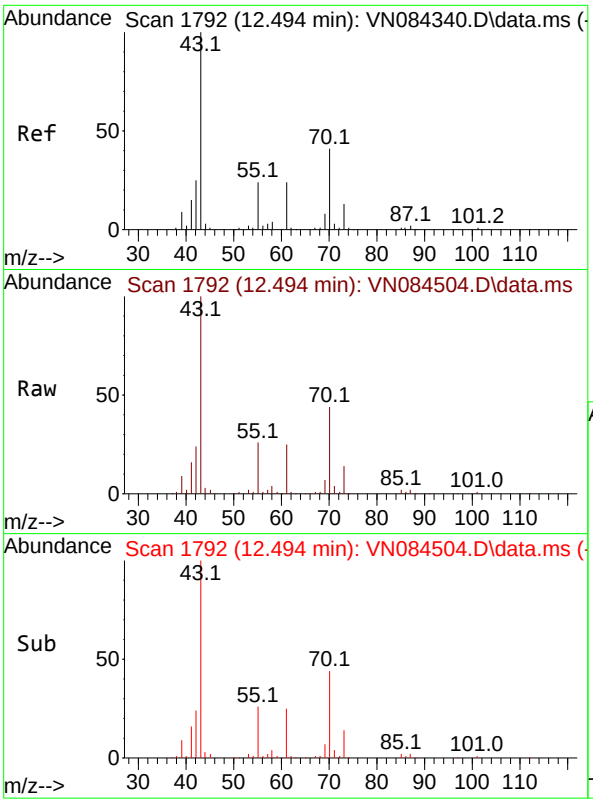


#46
Methyl methacrylate
Concen: 17.177 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 41 Resp: 46876

Ion	Ratio	Lower	Upper
41	100		
69	90.5	42.6	128.0
39	54.1	27.5	82.4



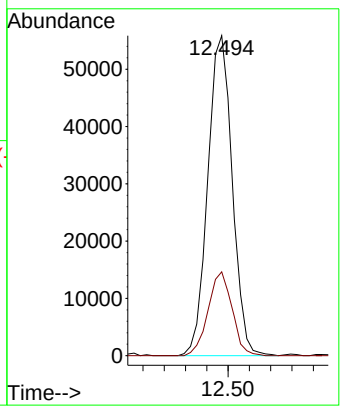


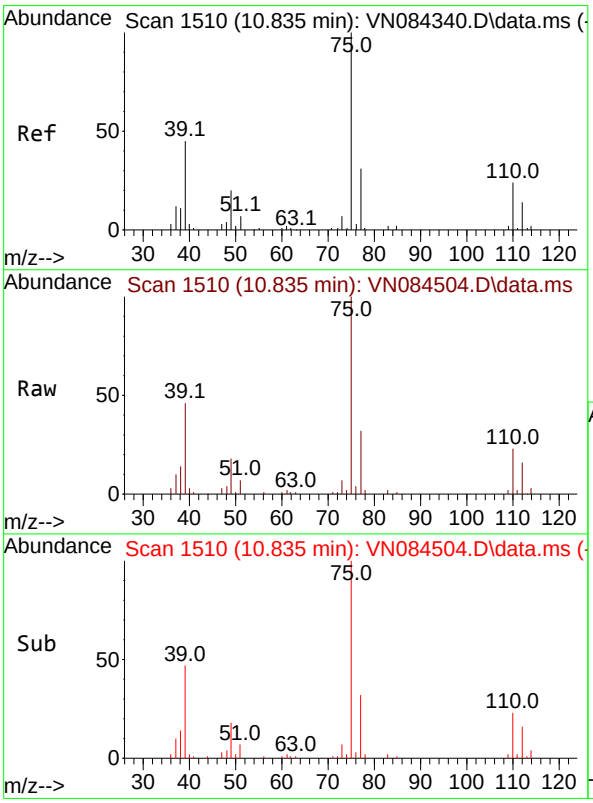
#47
n-amyl Acetate
Concen: 17.750 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 89176

Ion	Ratio	Lower	Upper
43	100		
55	25.6	20.6	31.0

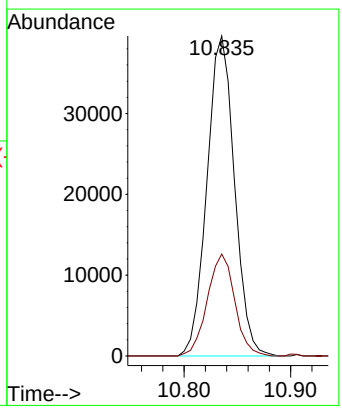


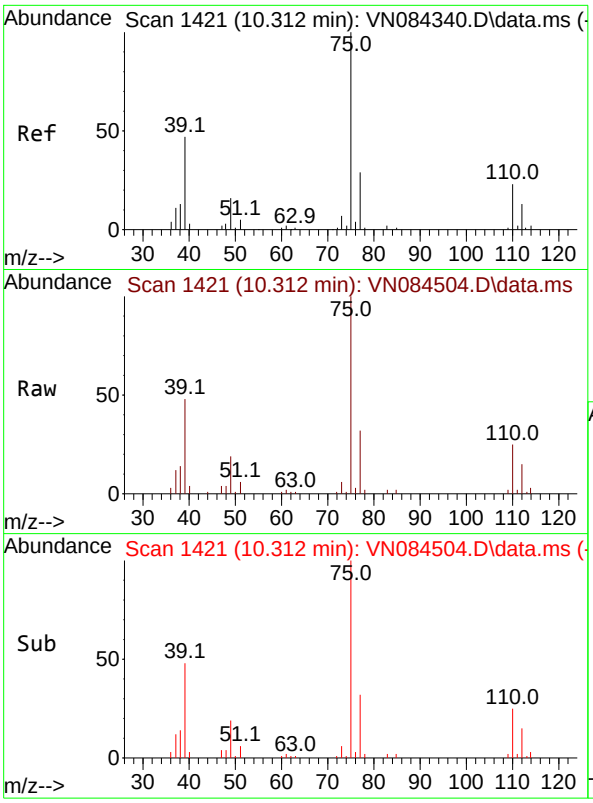


#48
t-1,3-Dichloropropene
Concen: 18.475 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 71062

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0



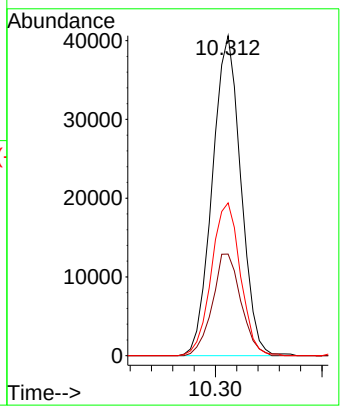


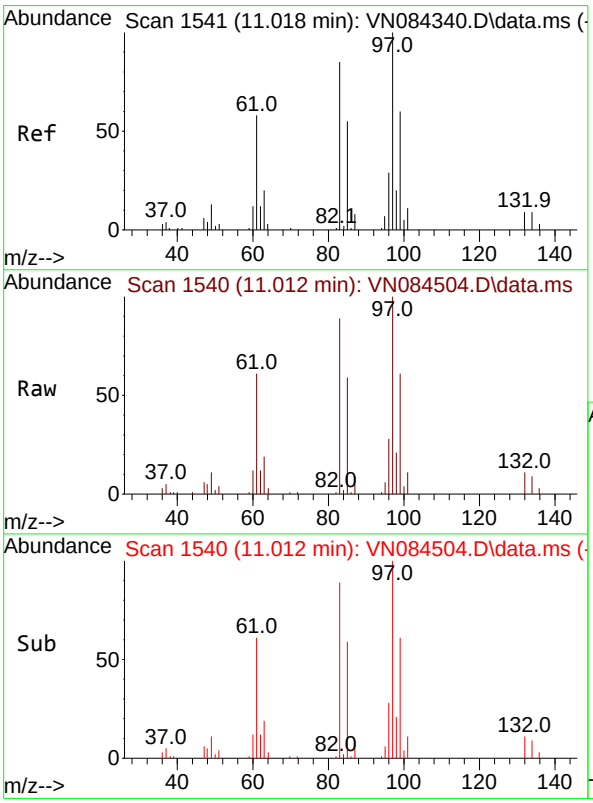
#49
cis-1,3-Dichloropropene
Concen: 18.697 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 75370

Ion	Ratio	Lower	Upper
75	100		
77	31.7	22.9	34.3
39	47.8	37.4	56.2

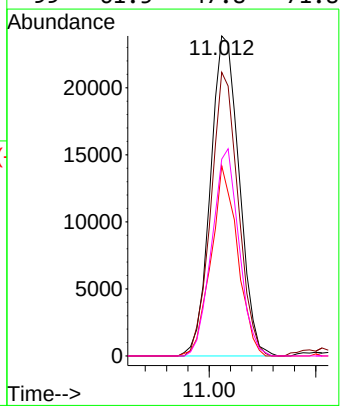


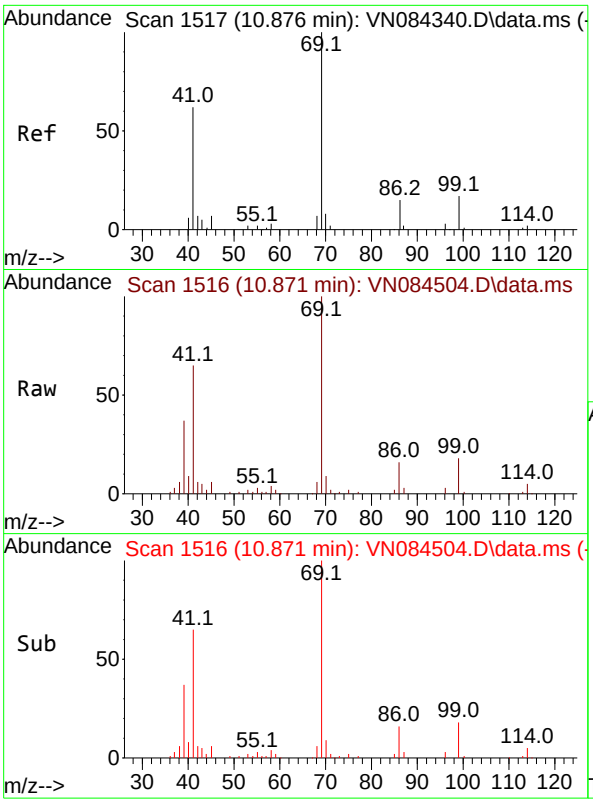


#50
1,1,2-Trichloroethane
Concen: 18.979 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 97 Resp: 44728

Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.8	101.8
85	59.4	44.2	66.2
99	61.5	47.8	71.8



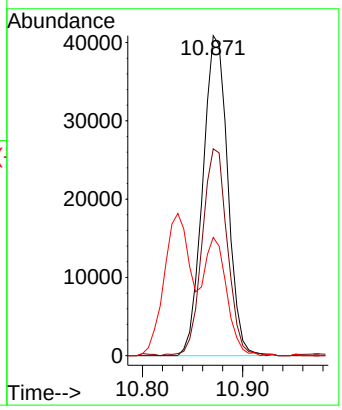


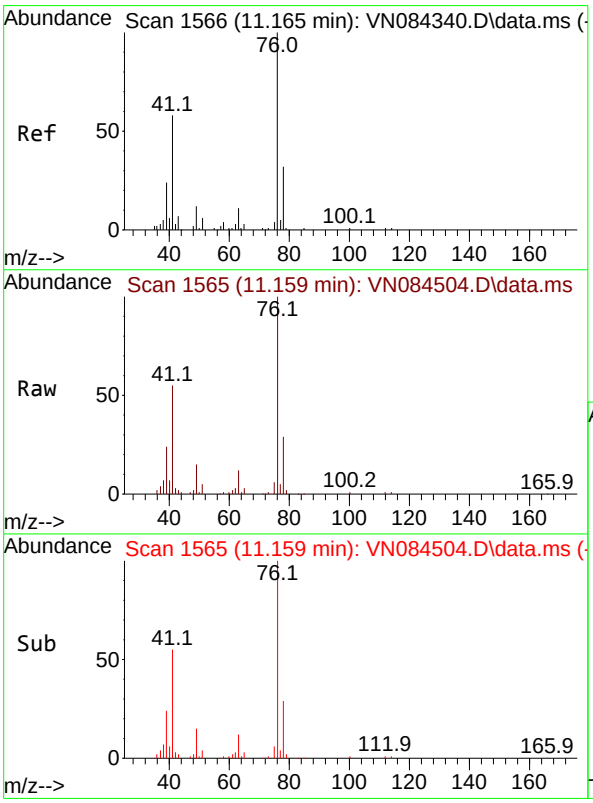
#51
Ethyl methacrylate
Concen: 18.181 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 70772

Ion	Ratio	Lower	Upper
69	100		
41	64.6	30.9	92.7
39	37.0	16.6	49.7

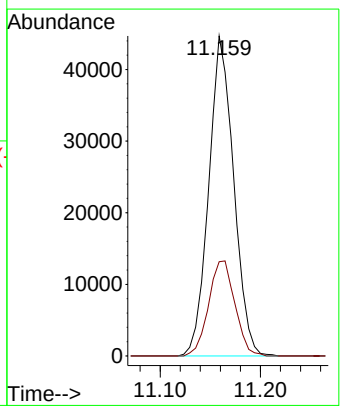


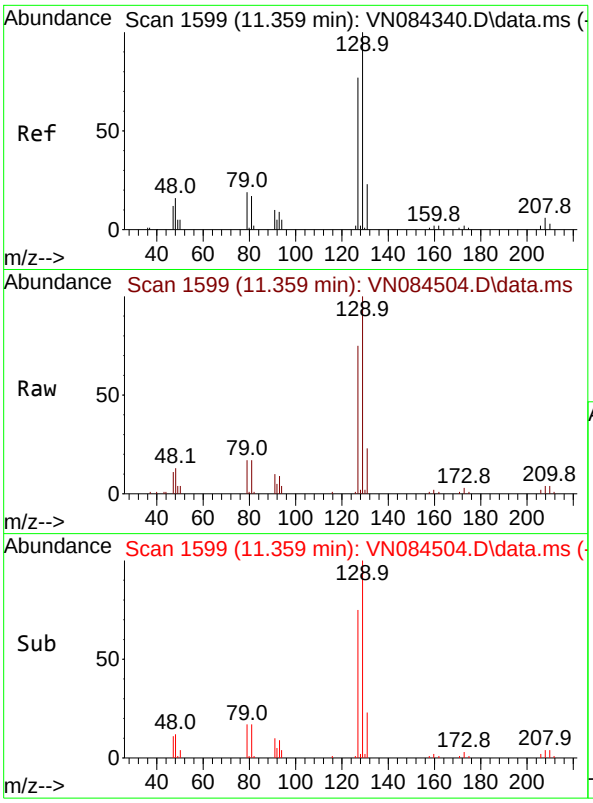


#52
1,3-Dichloropropane
Concen: 18.738 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 76 Resp: 77213

Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.2



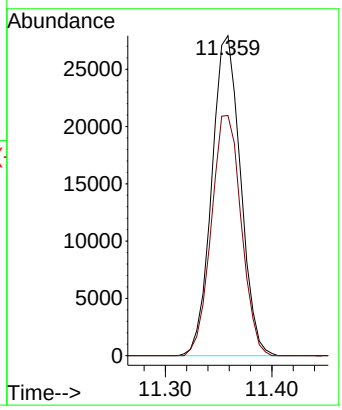


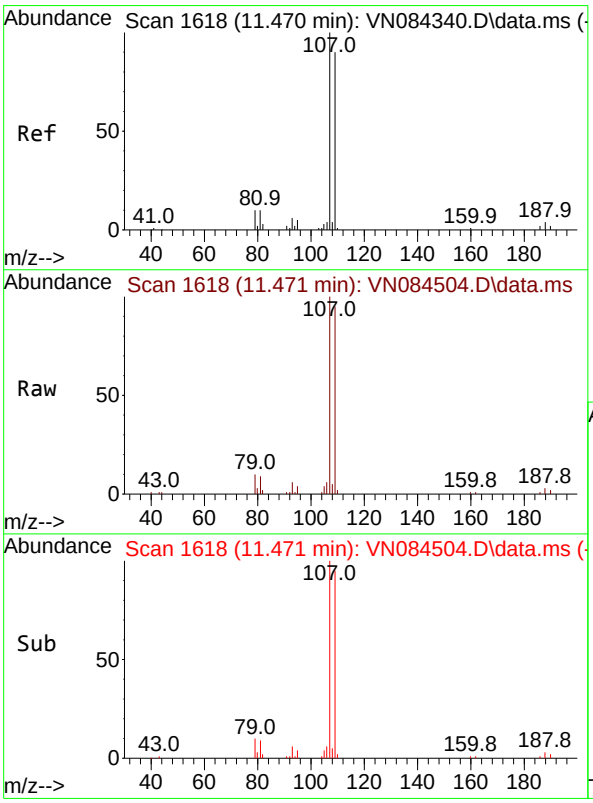
#53
Dibromochloromethane
Concen: 18.817 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 52385

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

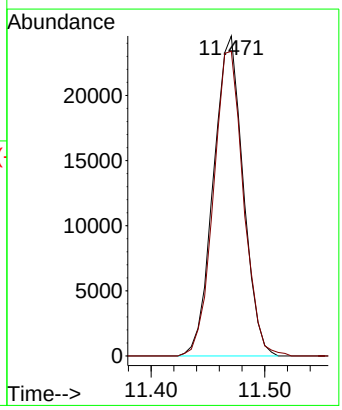


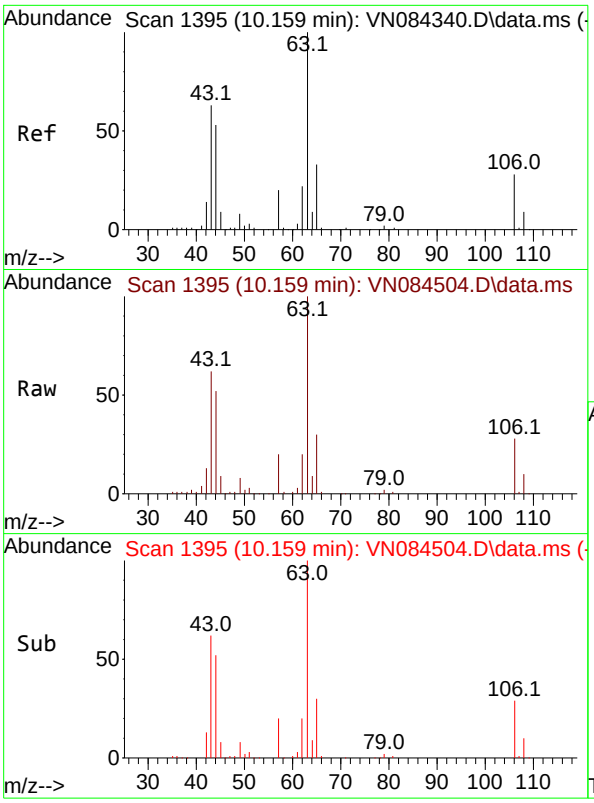


#54
1,2-Dibromoethane
Concen: 18.368 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:107 Resp: 44557

Ion	Ratio	Lower	Upper
107	100		
109	96.1	73.8	110.6



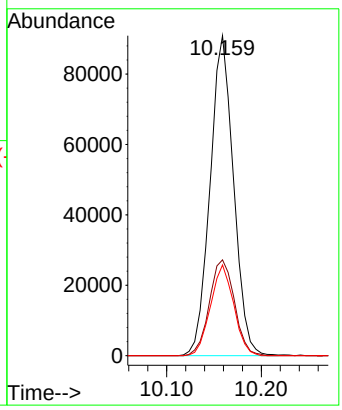


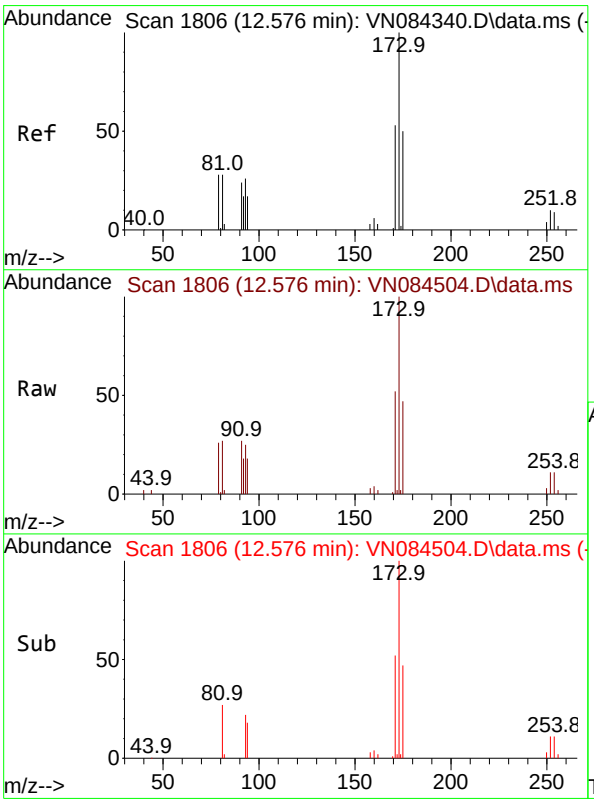
#55
2-Chloroethyl vinyl ether
Concen: 88.623 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 156467

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.6	38.4
106	28.1	21.6	32.4

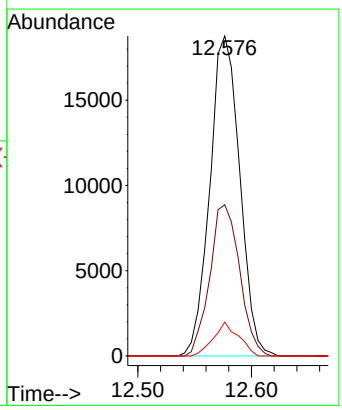


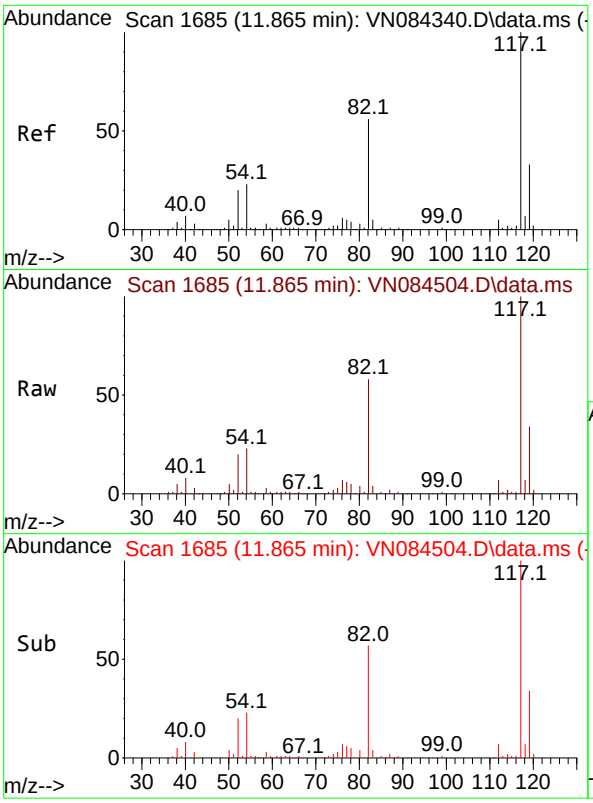


#56
Bromoform
Concen: 18.609 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:173 Resp: 34361

Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.4	59.2
254	8.9	6.8	10.2



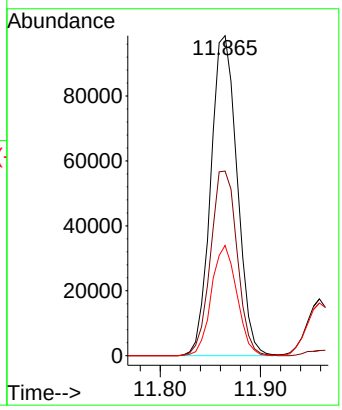


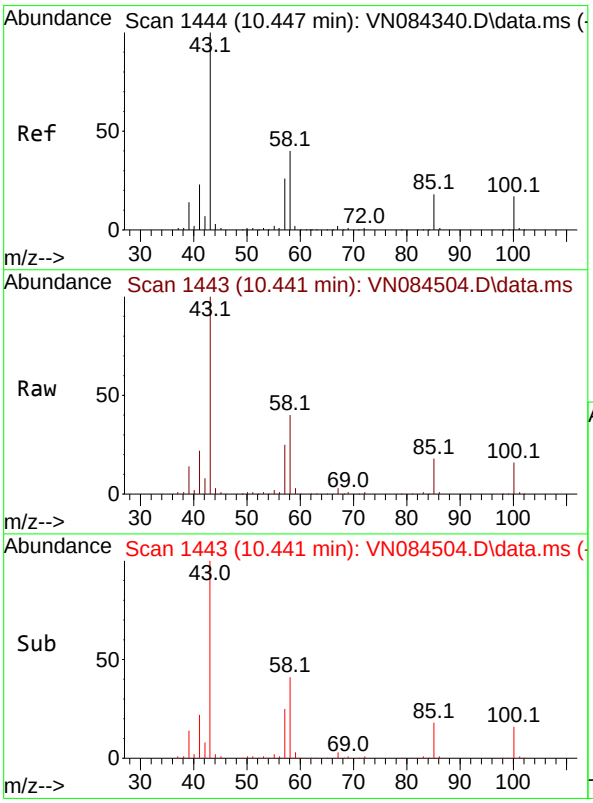
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 180518

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.2	69.4
119	33.2	25.4	38.2

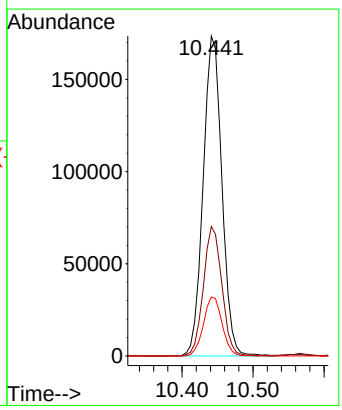


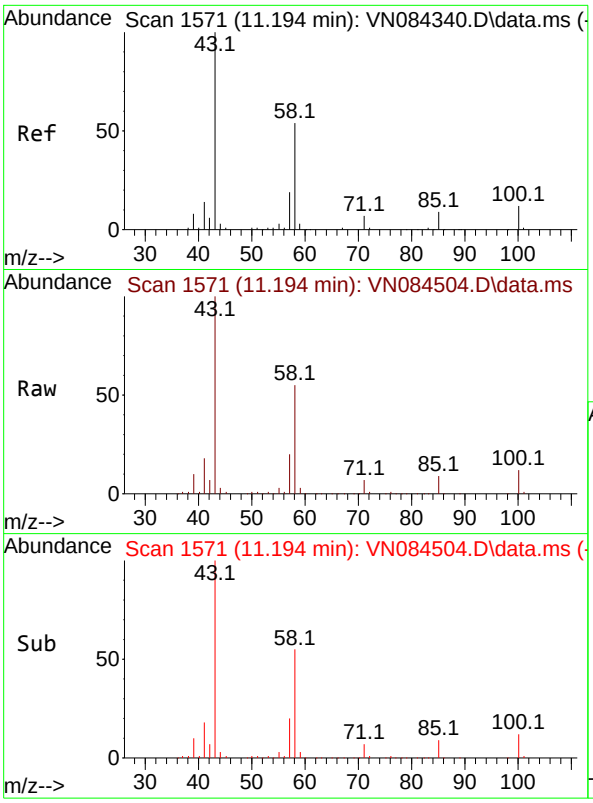


#58
4-Methyl-2-Pentanone
Concen: 94.836 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 43 Resp: 318910

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.9	47.9
85	18.4	14.6	22.0



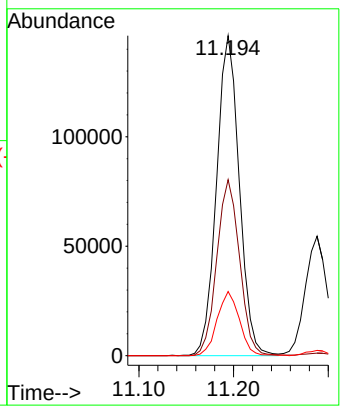


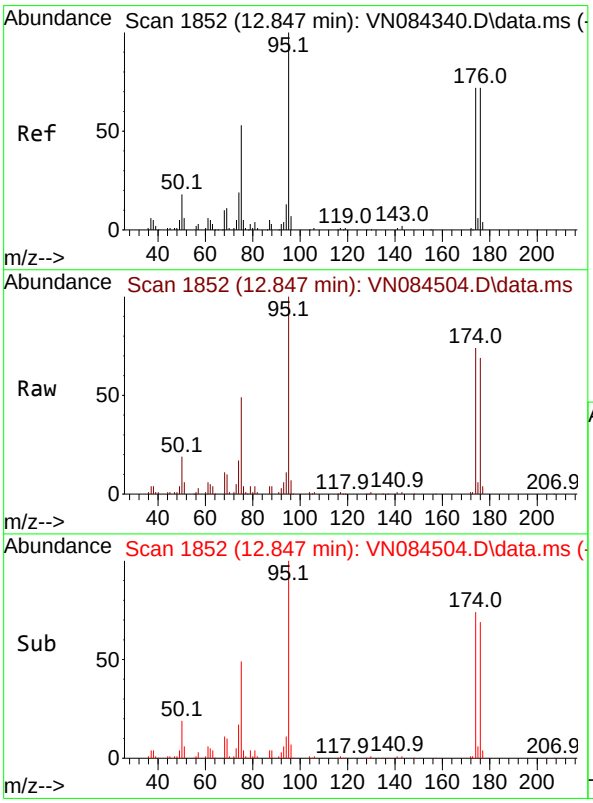
#59
2-Hexanone
Concen: 97.858 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 244527

Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.0	66.0
57	19.6	15.4	23.2

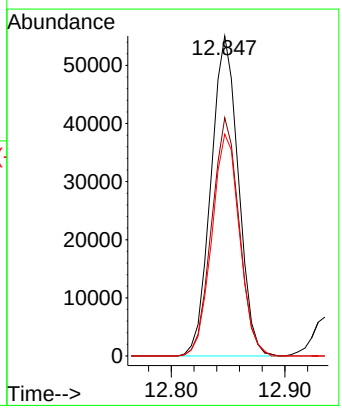


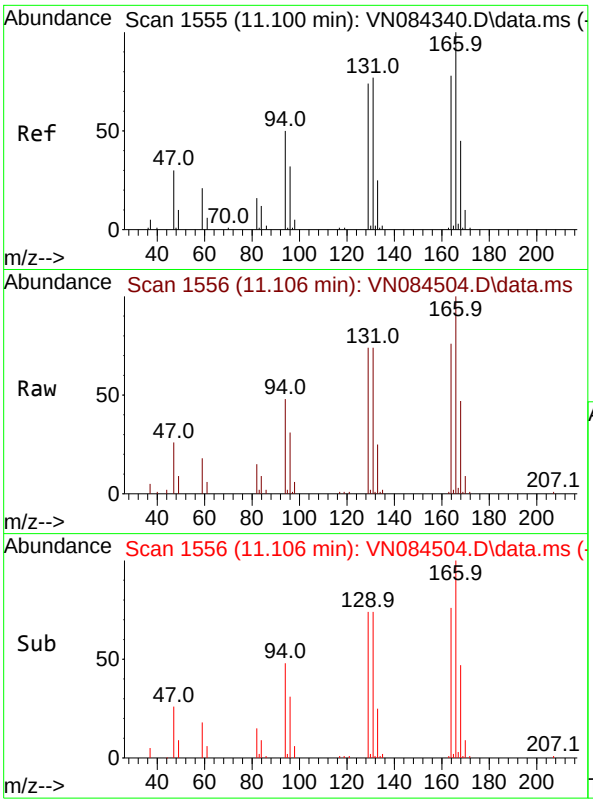


#60
4-Bromofluorobenzene
Concen: 30.944 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 95 Resp: 92192

Ion	Ratio	Lower	Upper
95	100		
174	74.4	58.2	87.2
176	70.3	56.4	84.6



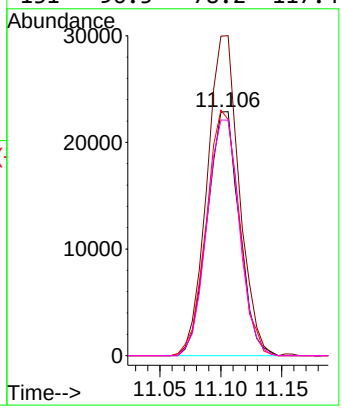


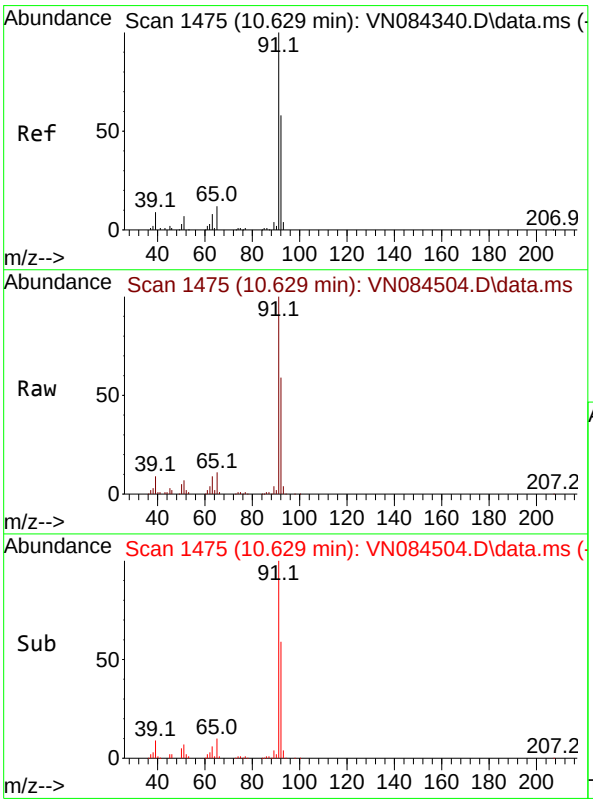
#61
Tetrachloroethene
Concen: 20.529 ug/l
RT: 11.106 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:164 Resp: 41919

Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.5	153.7
129	96.8	75.7	113.5
131	96.5	78.2	117.4

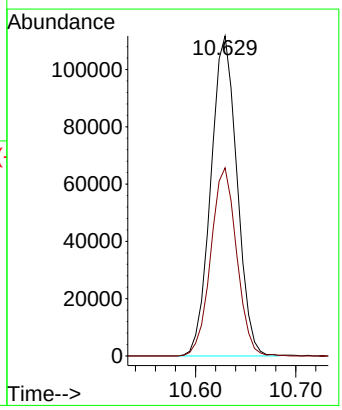


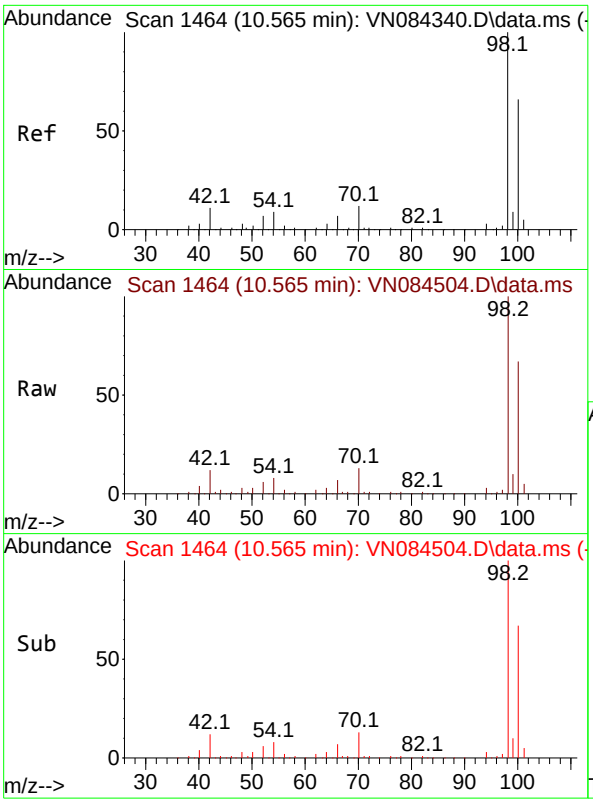


#62
Toluene
Concen: 19.171 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 202597

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.2	70.8



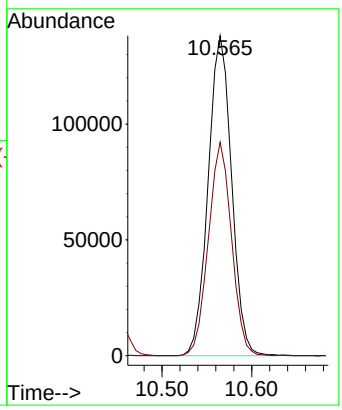


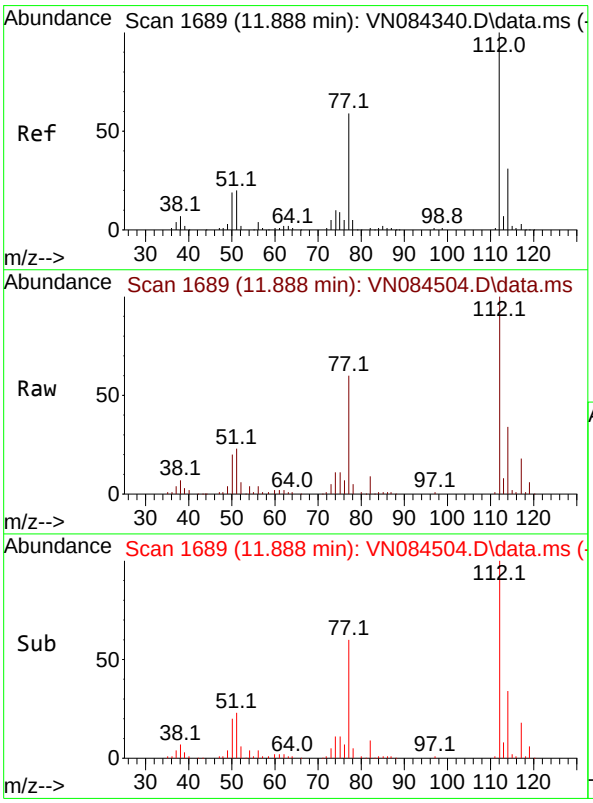
#63
Toluene-d8
Concen: 30.014 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 251001

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

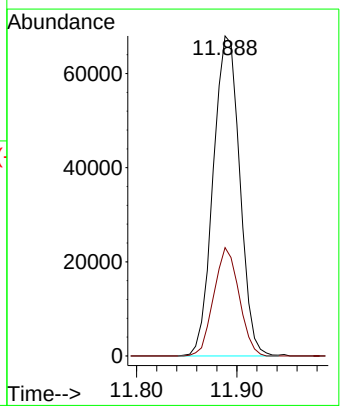


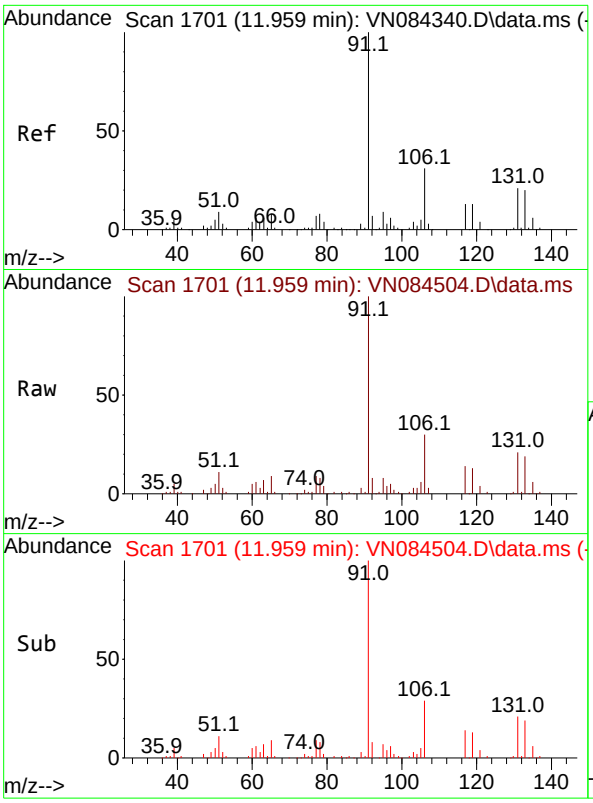


#64
Chlorobenzene
Concen: 18.968 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:112 Resp: 124737

Ion	Ratio	Lower	Upper
112	100		
114	33.9	25.1	37.7



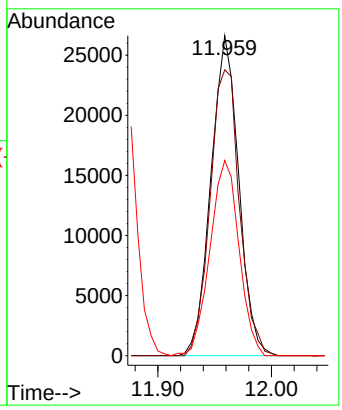


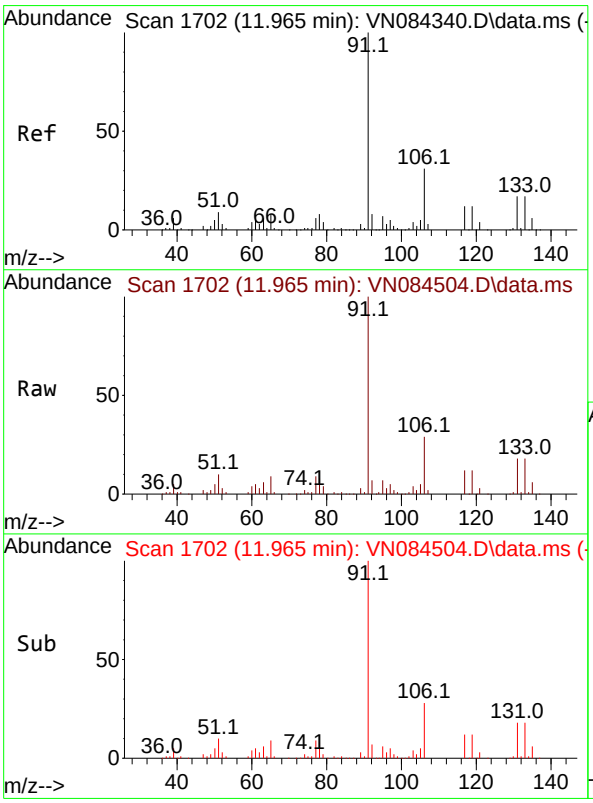
#65
1,1,1,2-Tetrachloroethane
Concen: 19.810 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 45259

Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	190.4
119	63.6	0.0	130.0

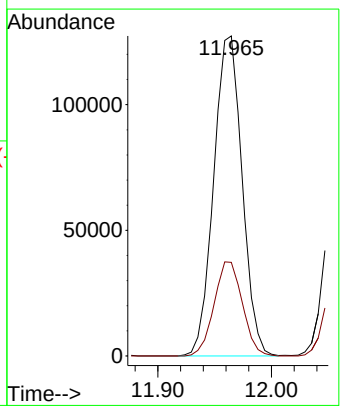


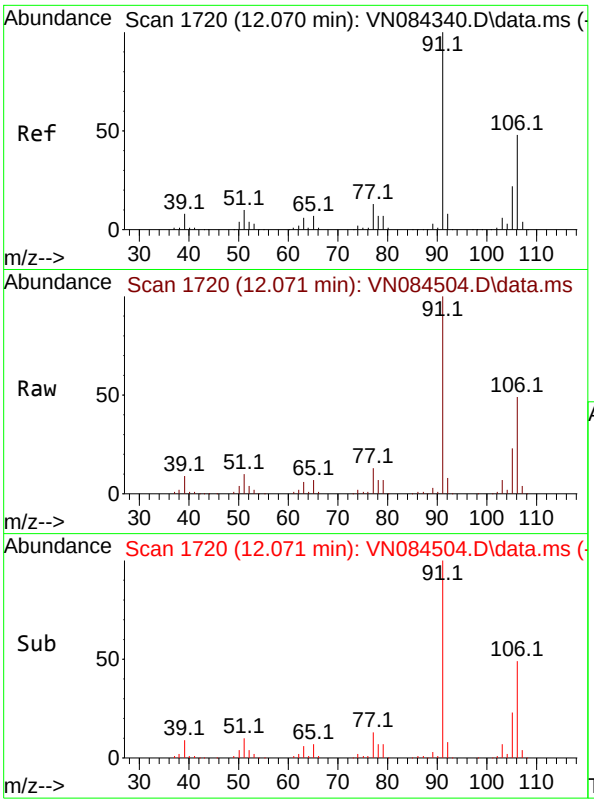


#66
Ethyl Benzene
Concen: 19.279 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 221348

Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.2	37.8



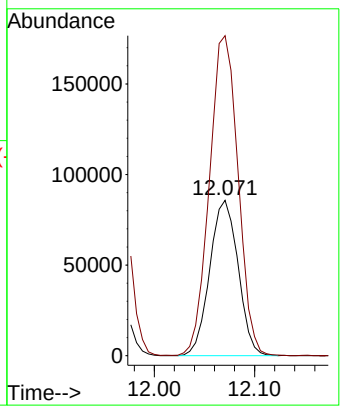


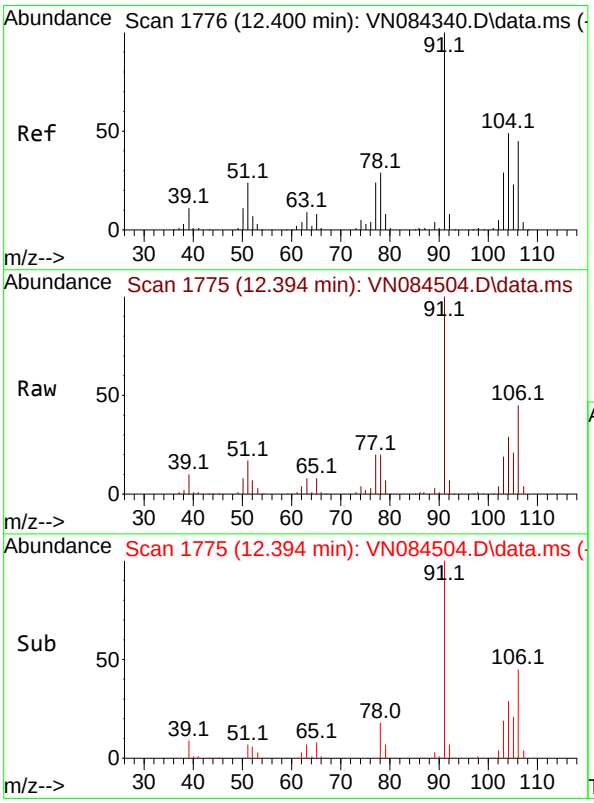
#67
m/p-Xylenes
Concen: 38.666 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 168410

Ion	Ratio	Lower	Upper
106	100		
91	208.8	166.7	250.1

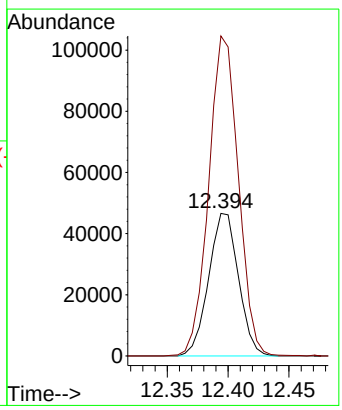


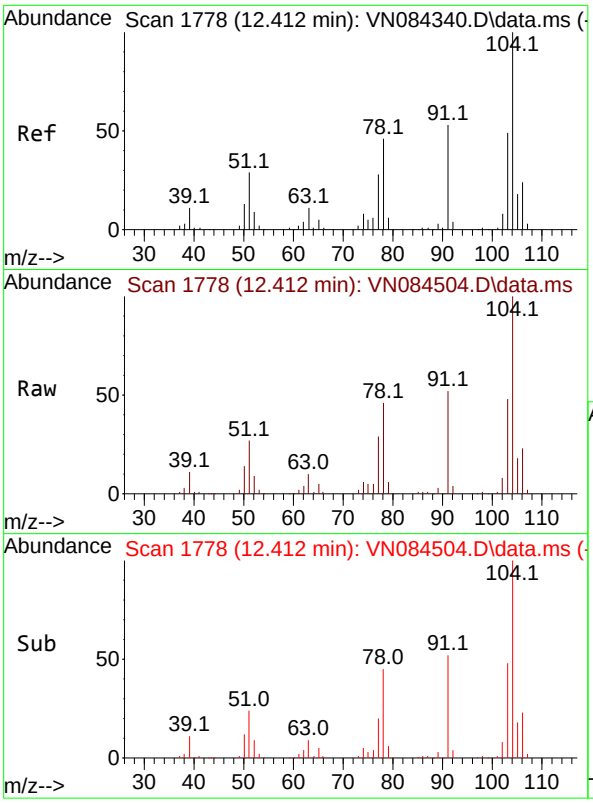


#68
o-Xylene
Concen: 18.914 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:106 Resp: 79405

Ion	Ratio	Lower	Upper
106	100		
91	223.0	110.9	332.9



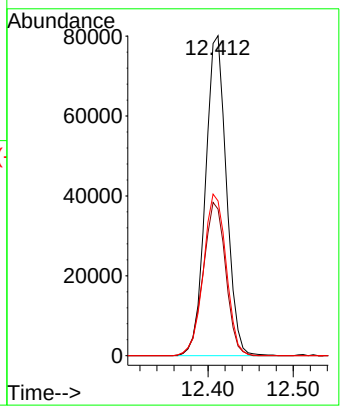


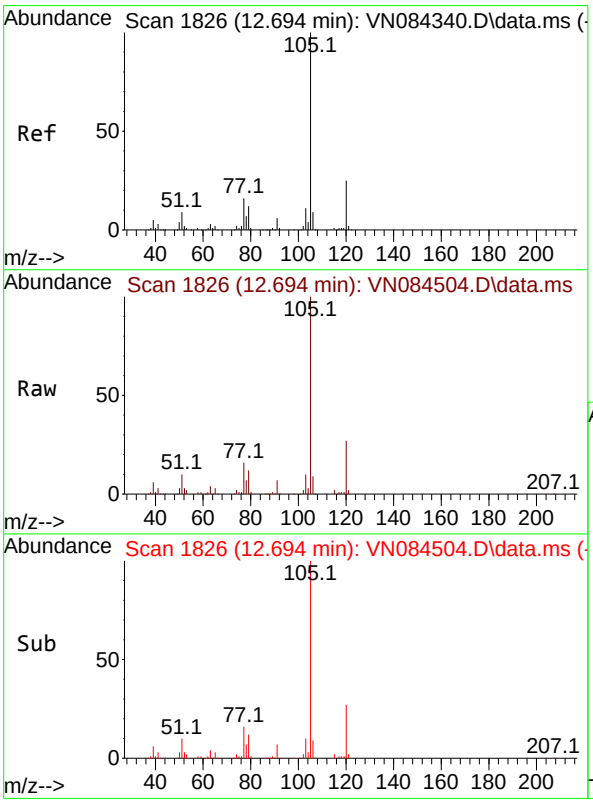
#69
Styrene
Concen: 18.946 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 136543

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.6	62.4
103	55.0	44.4	66.6

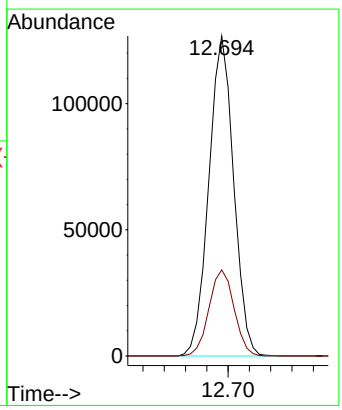


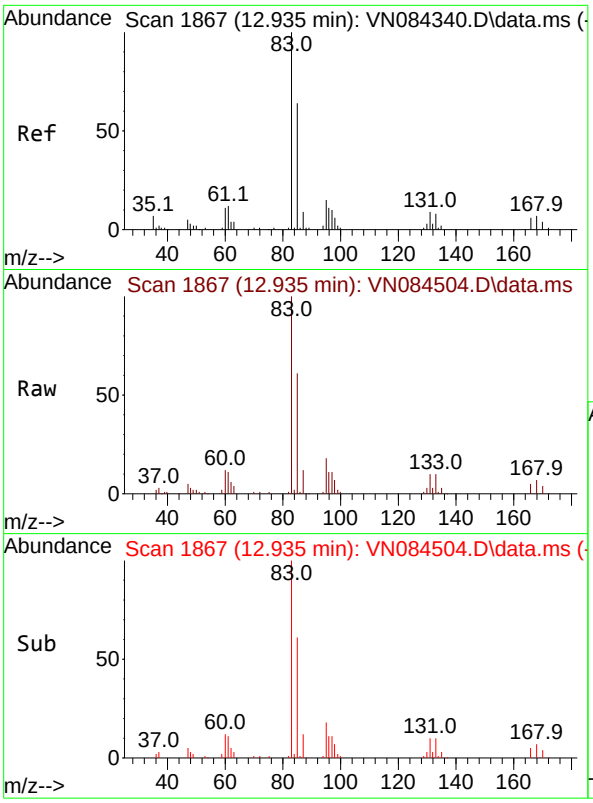


#70
Isopropylbenzene
Concen: 19.115 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 204870

Ion	Ratio	Lower	Upper
105	100		
120	27.1	17.4	32.4



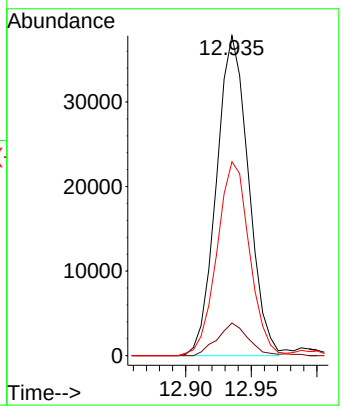


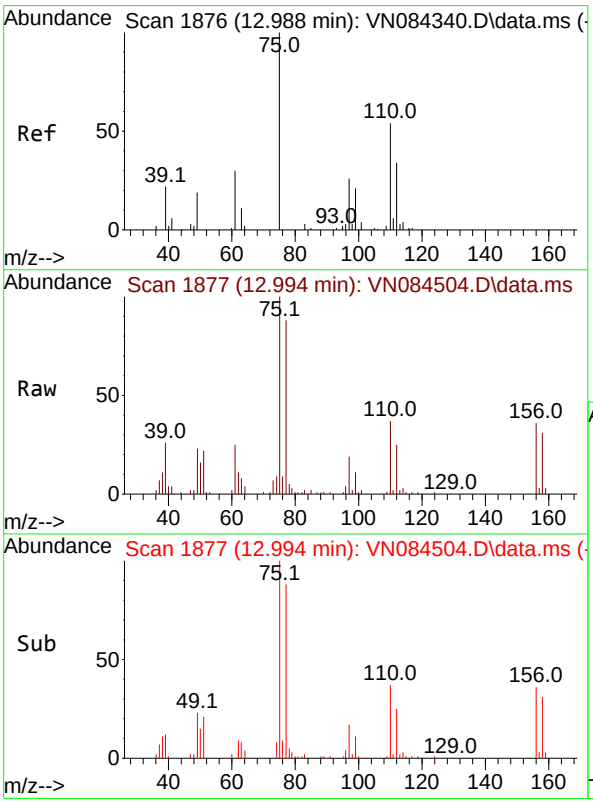
#71
1,1,2,2-Tetrachloroethane
Concen: 19.381 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 64257

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	61.6	32.0	96.2

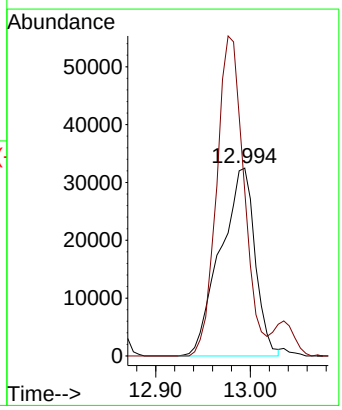


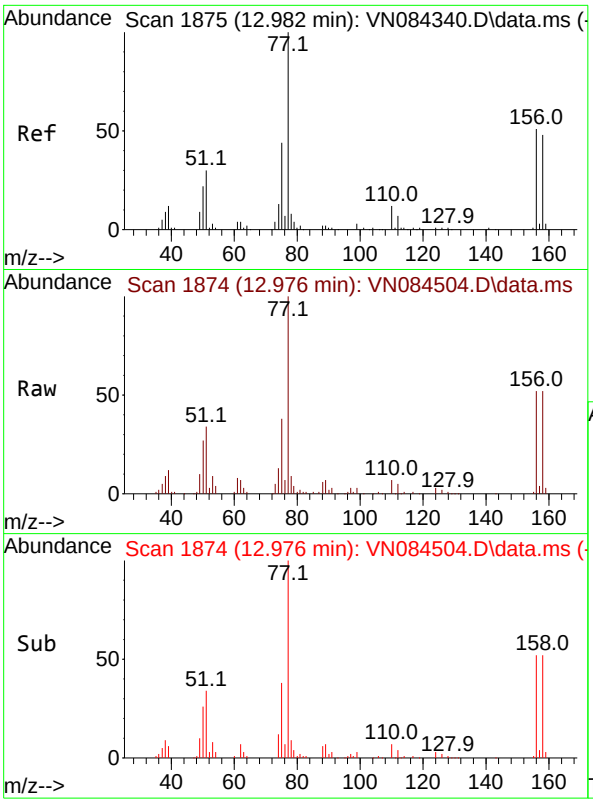


#72
1,2,3-Trichloropropane
Concen: 28.979 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 82286

Ion	Ratio	Lower	Upper
75	100		
77	135.1	0.0	414.0



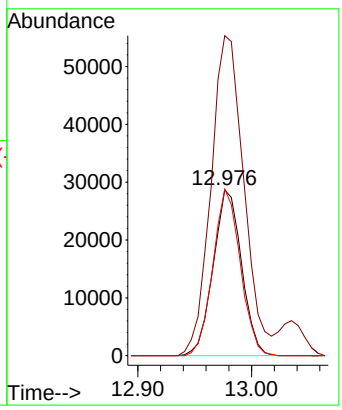


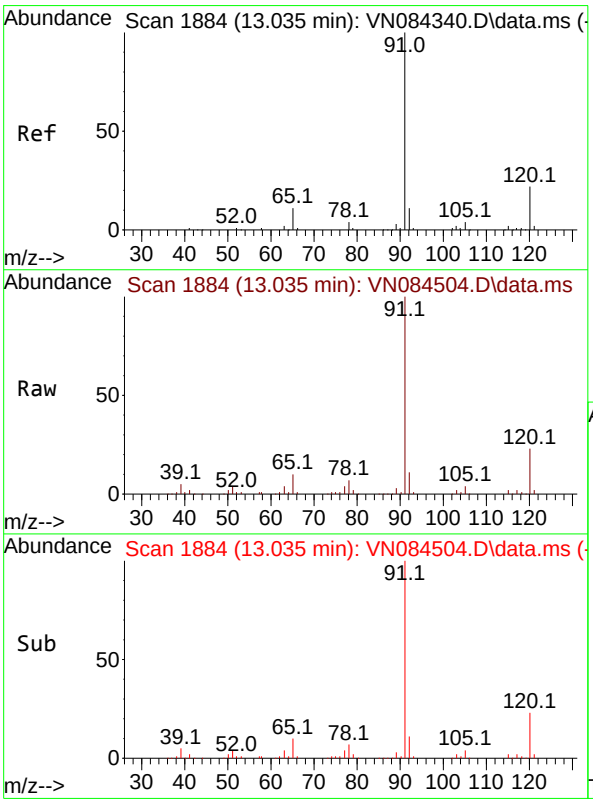
#73
Bromobenzene
Concen: 19.131 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 49657

Ion	Ratio	Lower	Upper
156	100		
77	223.9	0.0	451.0
158	97.3	0.0	194.6

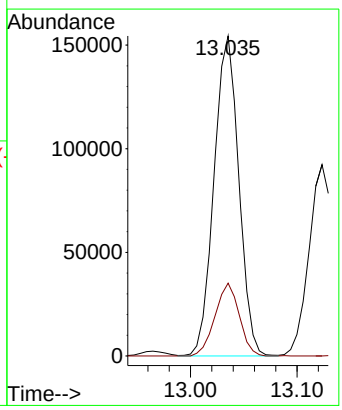


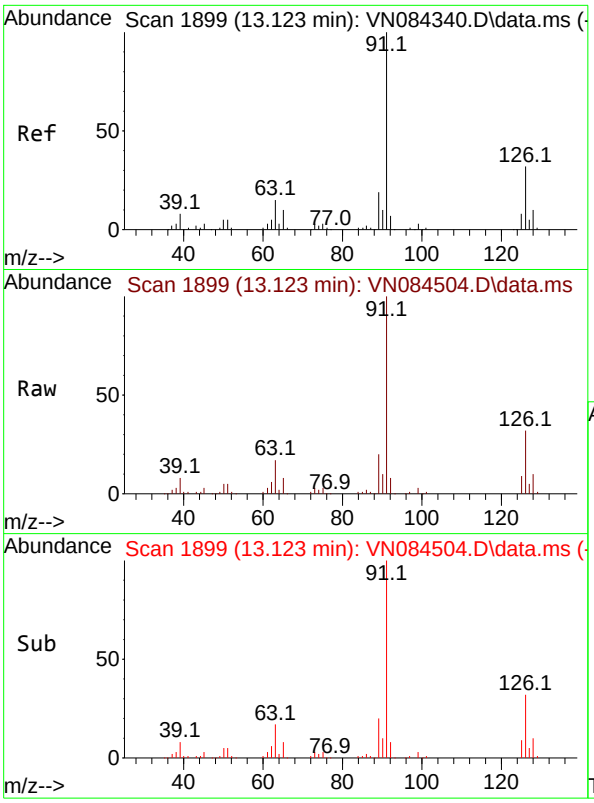


#74
n-propylbenzene
Concen: 19.531 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 249446

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.2



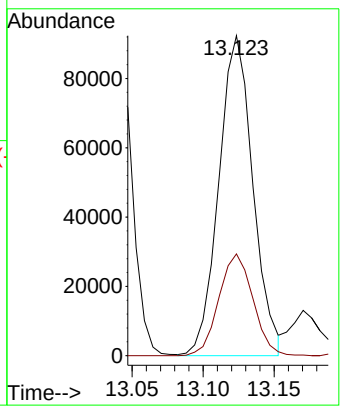


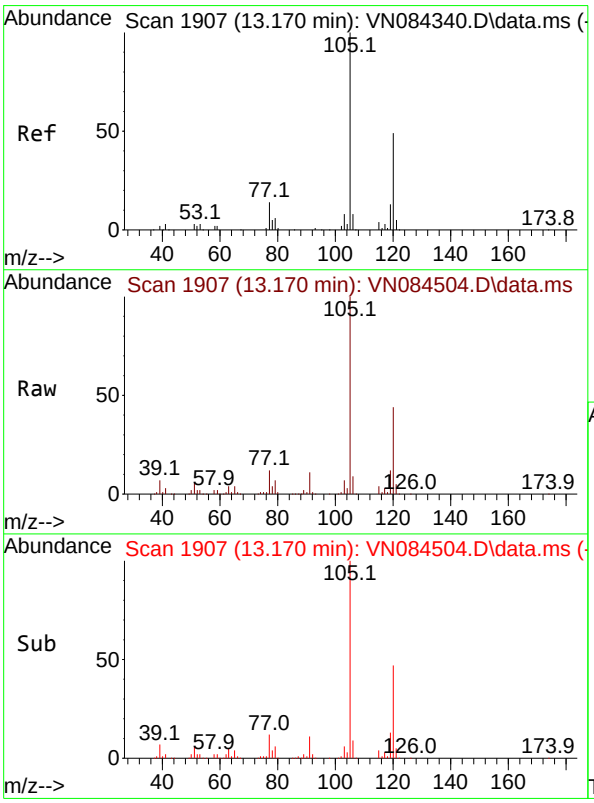
#75
2-Chlorotoluene
Concen: 19.418 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 154107

Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	64.0

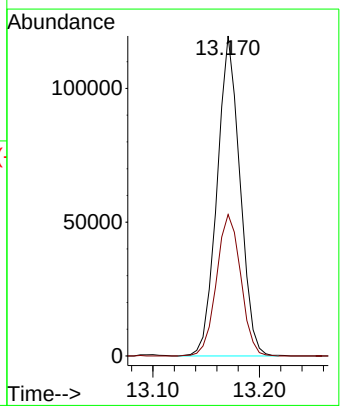


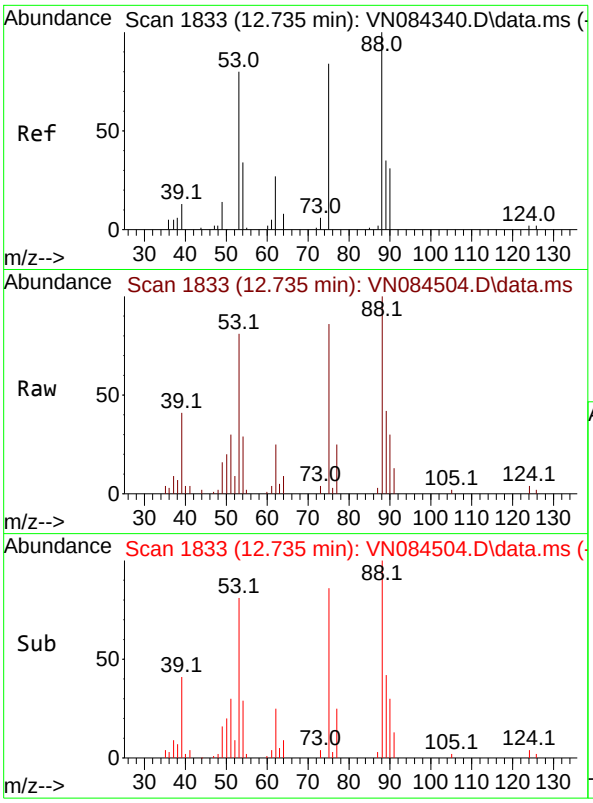


#76
1,3,5-Trimethylbenzene
Concen: 19.747 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 178201

Ion	Ratio	Lower	Upper
105	100		
120	46.8	0.0	94.4



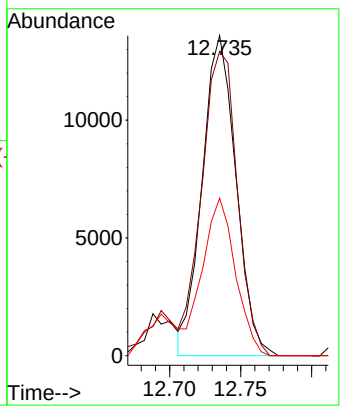


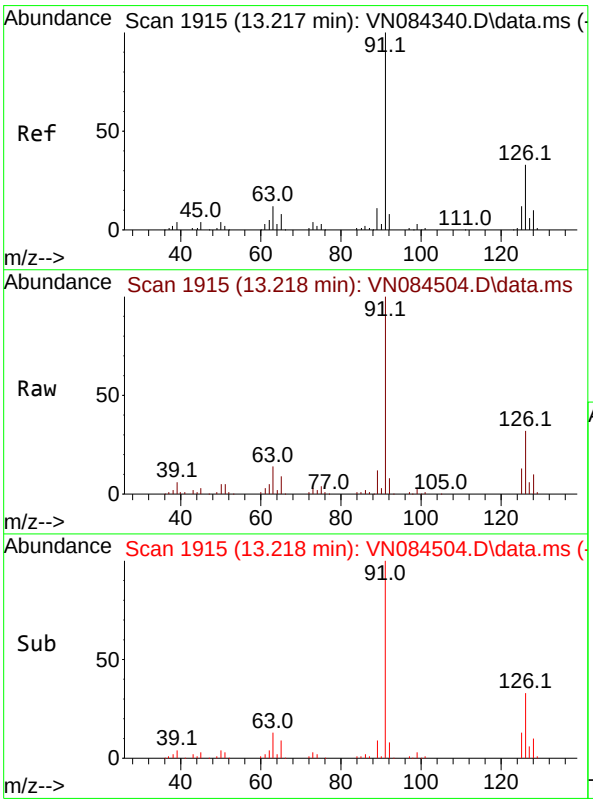
#77
t-1,4-Dichloro-2-butene
Concen: 18.550 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 22508

Ion	Ratio	Lower	Upper
75	100		
53	95.1	47.3	142.0
89	49.3	22.9	68.8

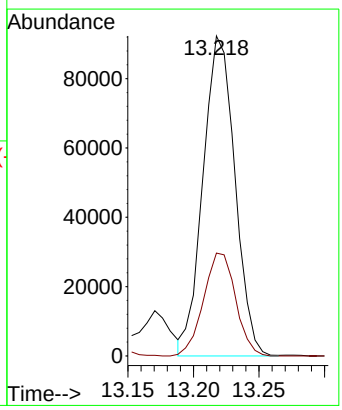


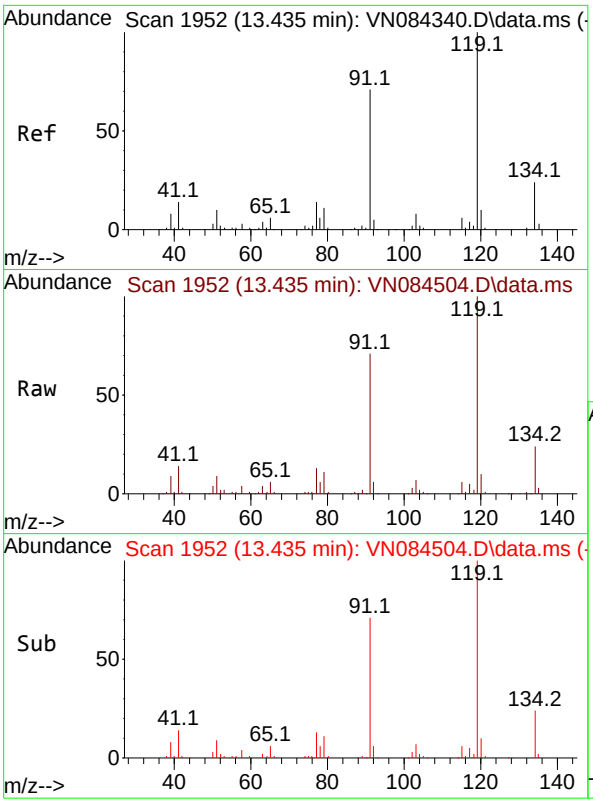


#78
4-Chlorotoluene
Concen: 19.368 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 91 Resp: 156277

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	62.4



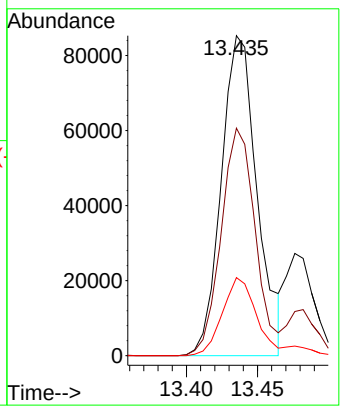


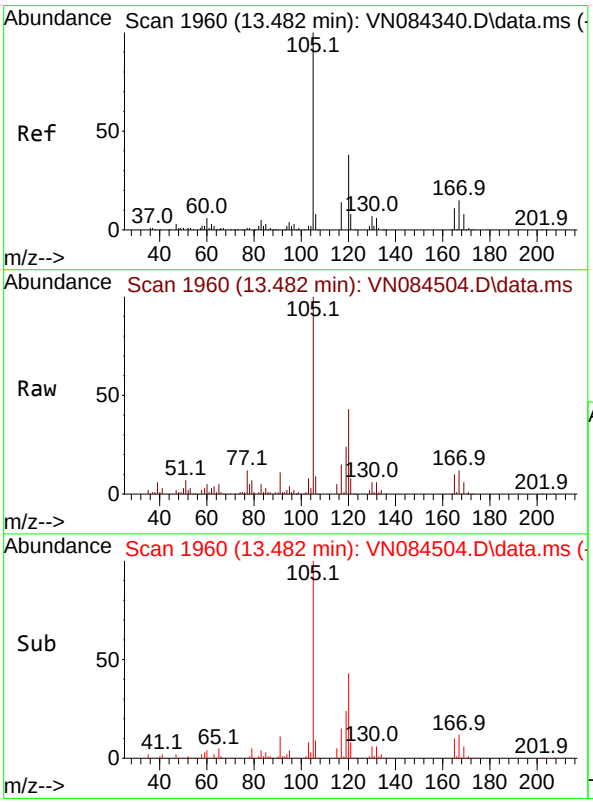
#79
tert-butylbenzene
Concen: 19.464 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 149853

Ion	Ratio	Lower	Upper
119	100		
91	67.8	0.0	138.0
134	22.9	0.0	48.8

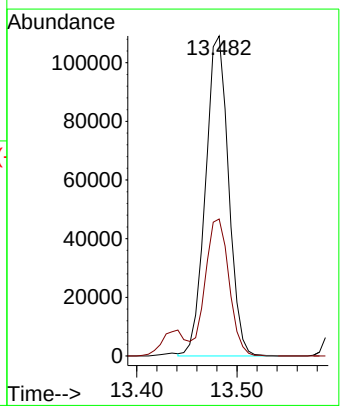


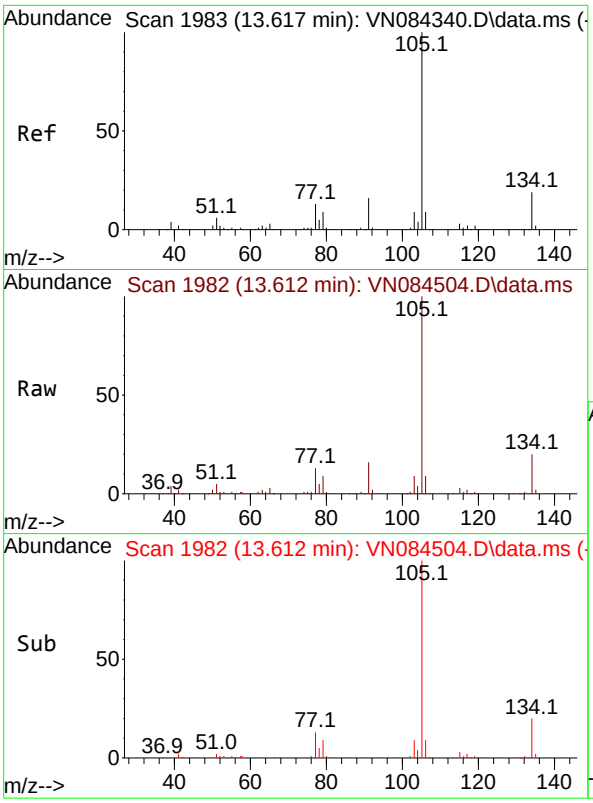


#80
1,2,4-Trimethylbenzene
Concen: 19.081 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:105 Resp: 174715

Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	88.8



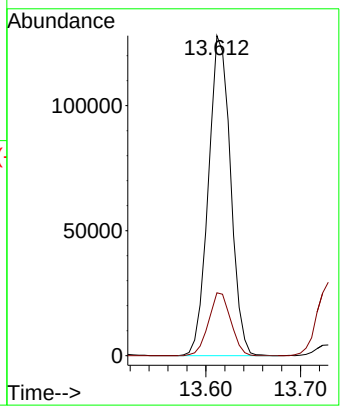


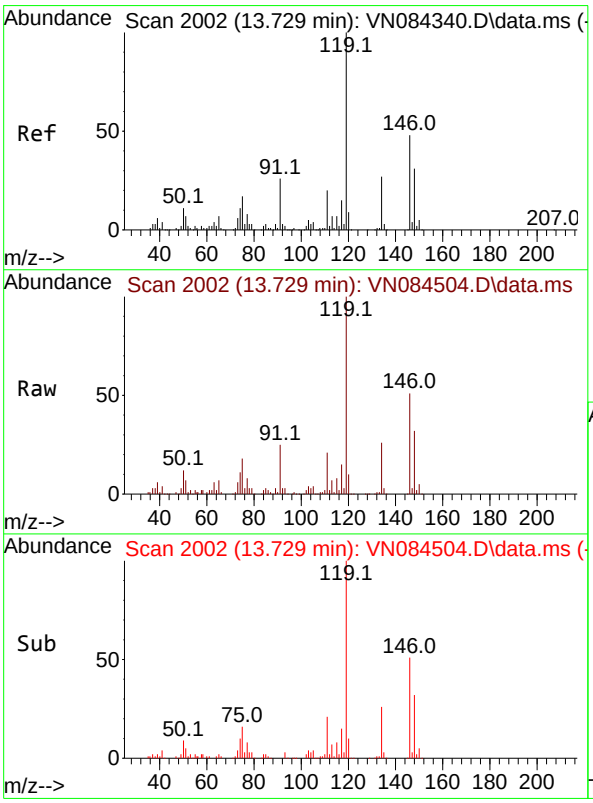
#81
sec-Butylbenzene
Concen: 19.600 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 207746

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0

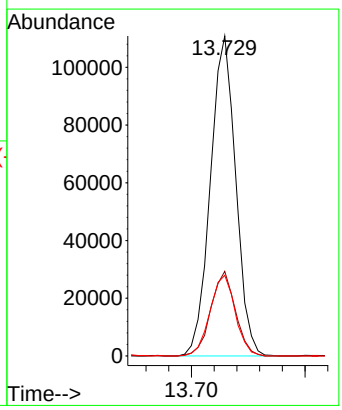


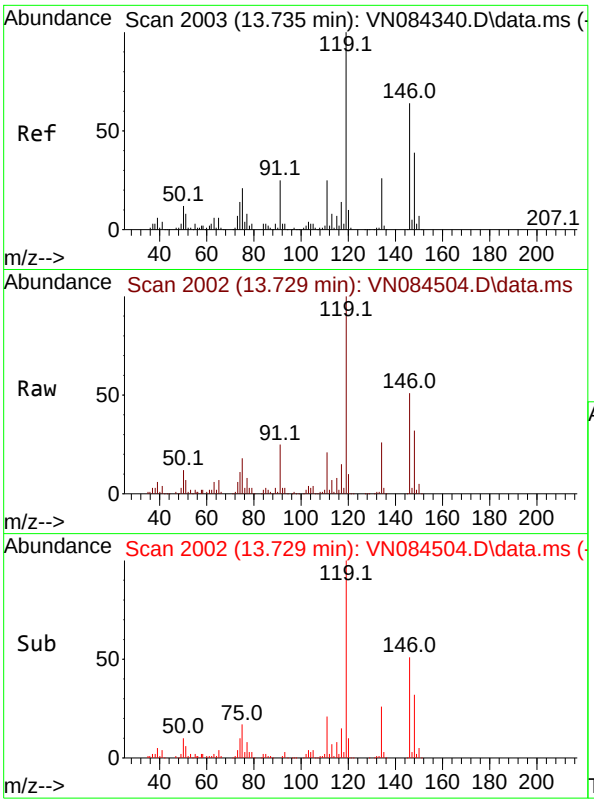


#82
p-Isopropyltoluene
Concen: 19.272 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:119 Resp: 171934

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	50.2
91	25.1	0.0	50.6



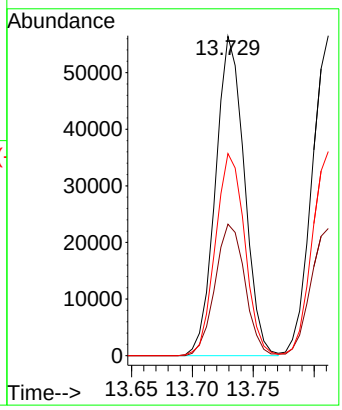


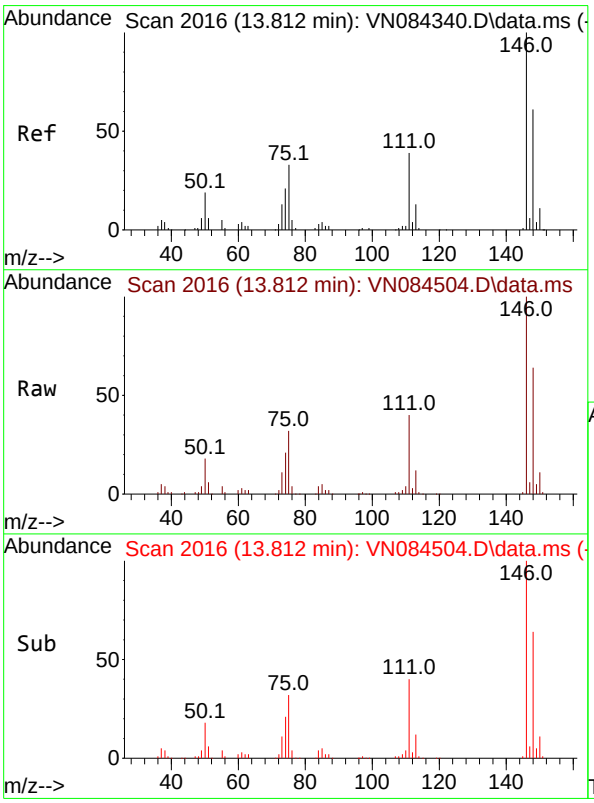
#83
1,3-Dichlorobenzene
Concen: 19.307 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 93180

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	64.3	31.6	94.7

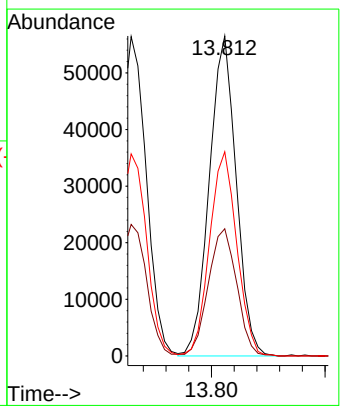


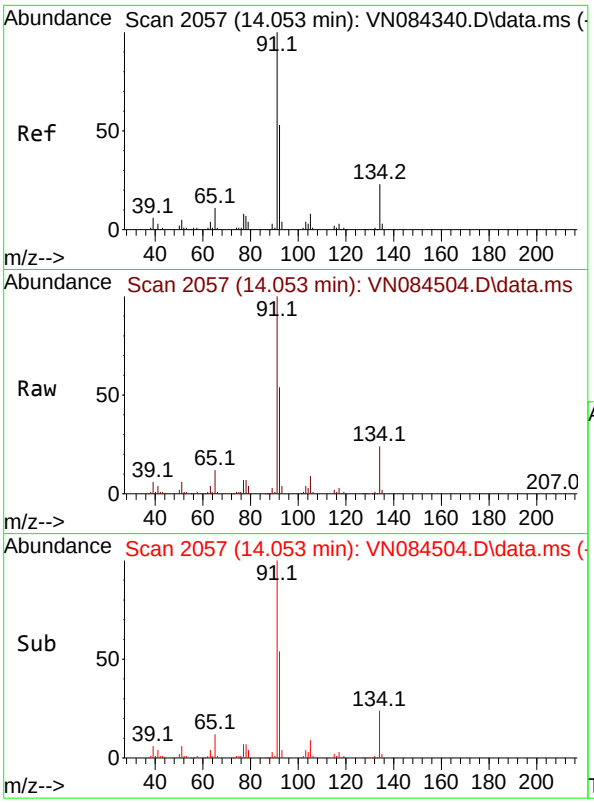


#84
1,4-Dichlorobenzene
Concen: 19.397 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:146 Resp: 92963

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	64.7	32.5	97.4



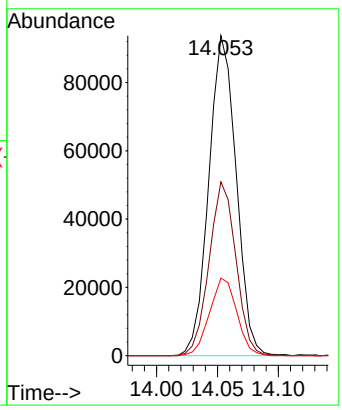


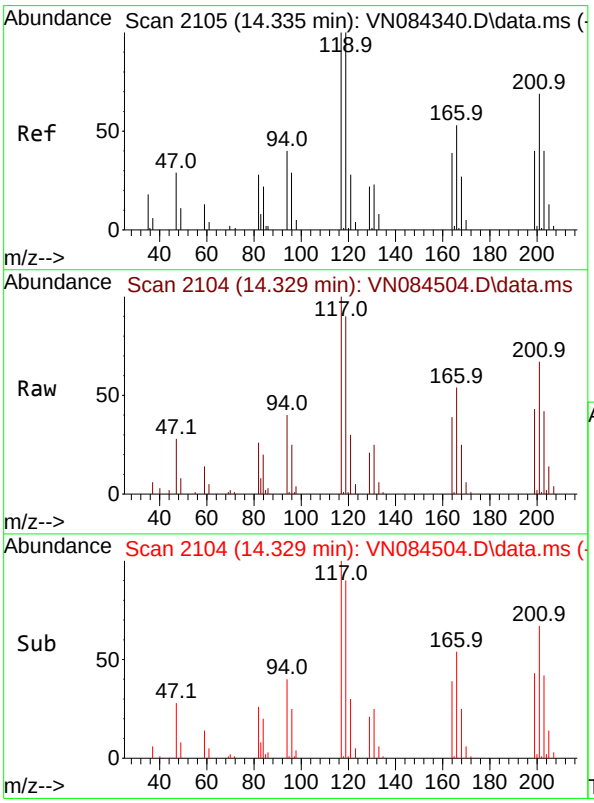
#85
n-Butylbenzene
Concen: 18.976 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 146629

Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	103.4
134	24.2	0.0	48.0

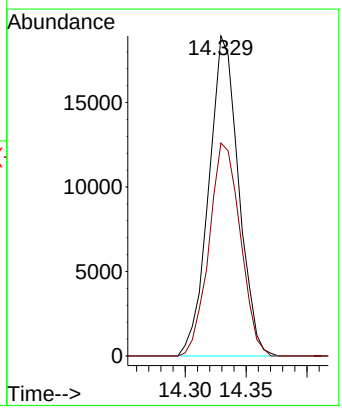


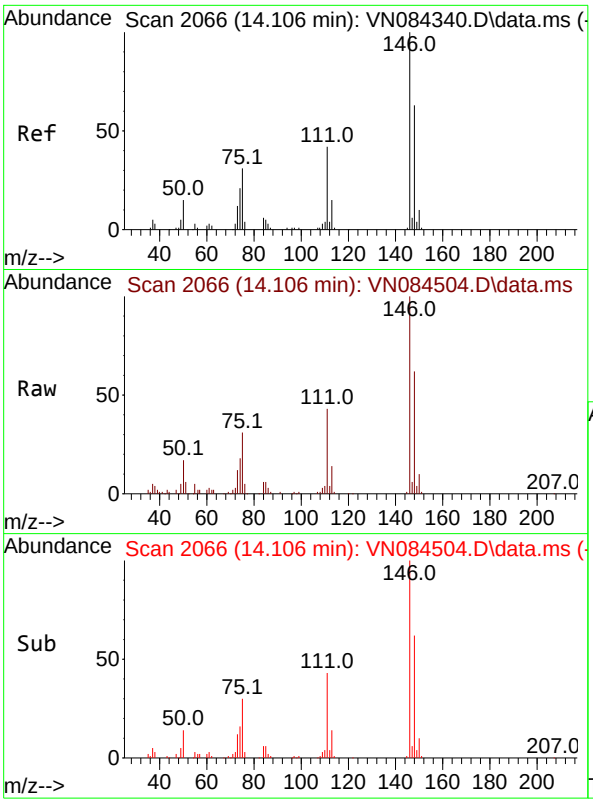


#86
Hexachloroethane
Concen: 18.728 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:117 Resp: 32190

Ion	Ratio	Lower	Upper
117	100		
201	69.8	33.9	101.6



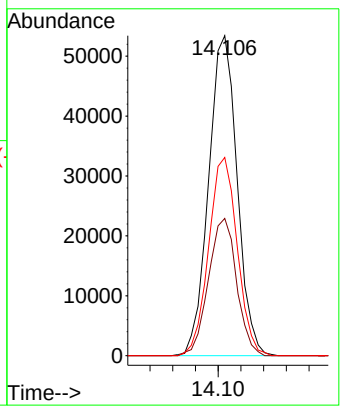


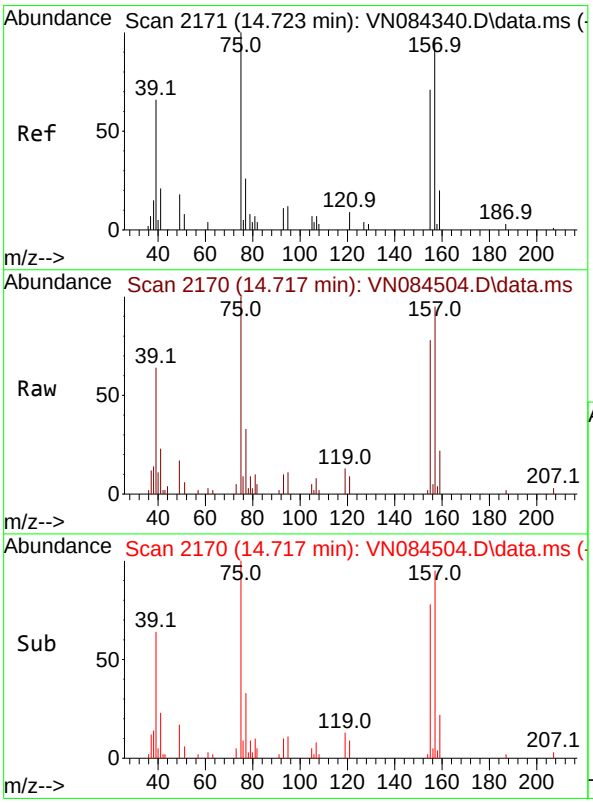
#87
1,2-Dichlorobenzene
Concen: 19.962 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 93148

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.5
148	62.1	31.1	93.5

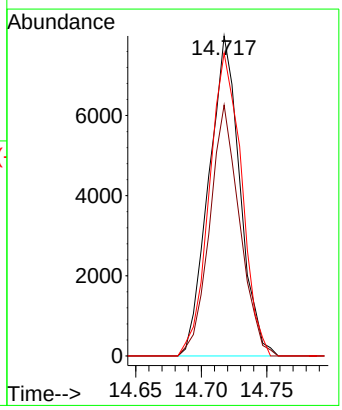


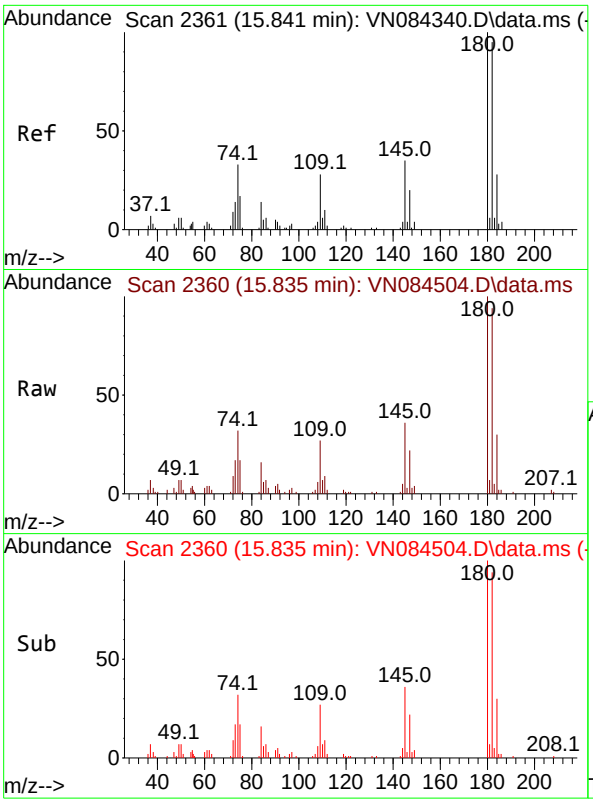


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.430 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion: 75 Resp: 13174

Ion	Ratio	Lower	Upper
75	100		
155	75.5	61.8	92.8
157	97.9	77.4	116.0



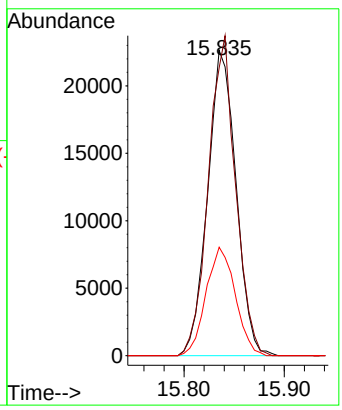


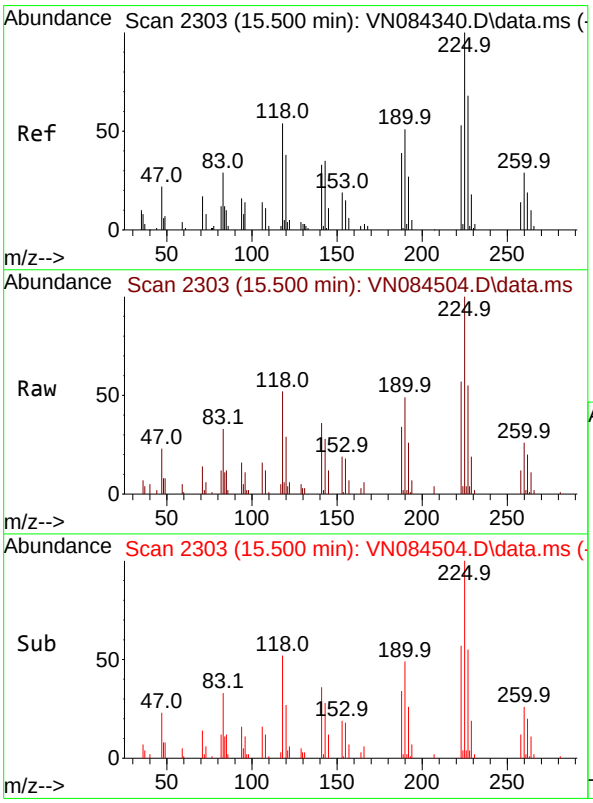
#89
1,2,4-Trichlorobenzene
Concen: 18.348 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:180 Resp: 44516

Ion	Ratio	Lower	Upper
180	100		
182	100.3	77.8	116.6
145	36.6	28.9	43.3

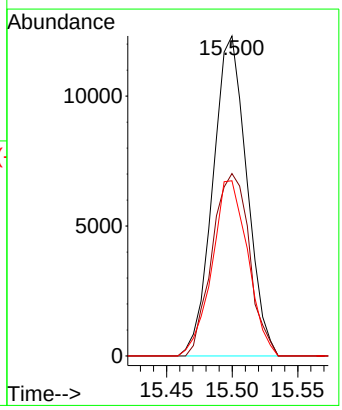


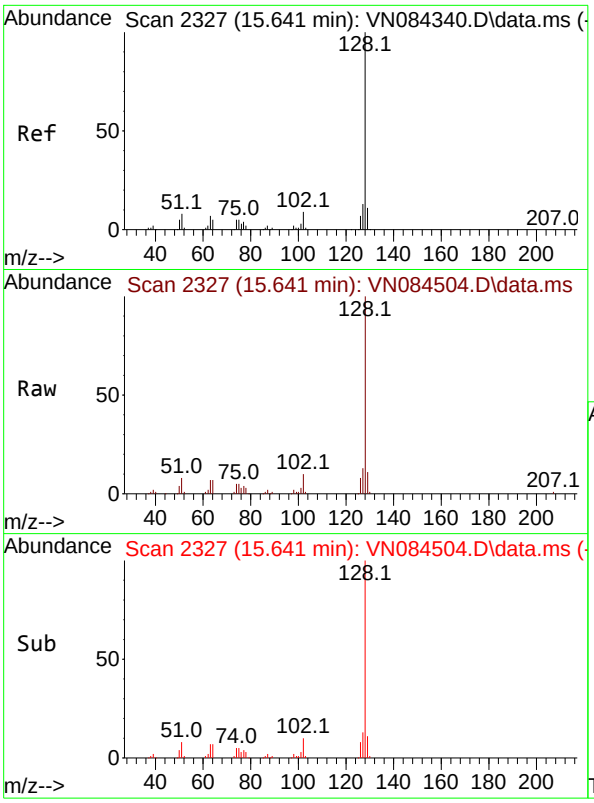


#90
Hexachlorobutadiene
Concen: 19.749 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:225 Resp: 22167

Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	124.0
227	57.8	0.0	130.8



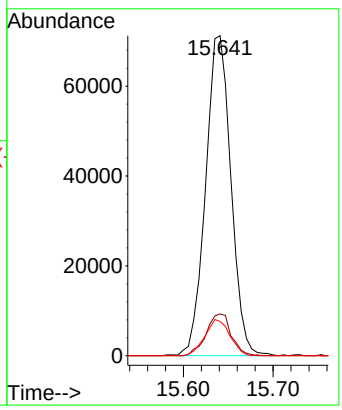


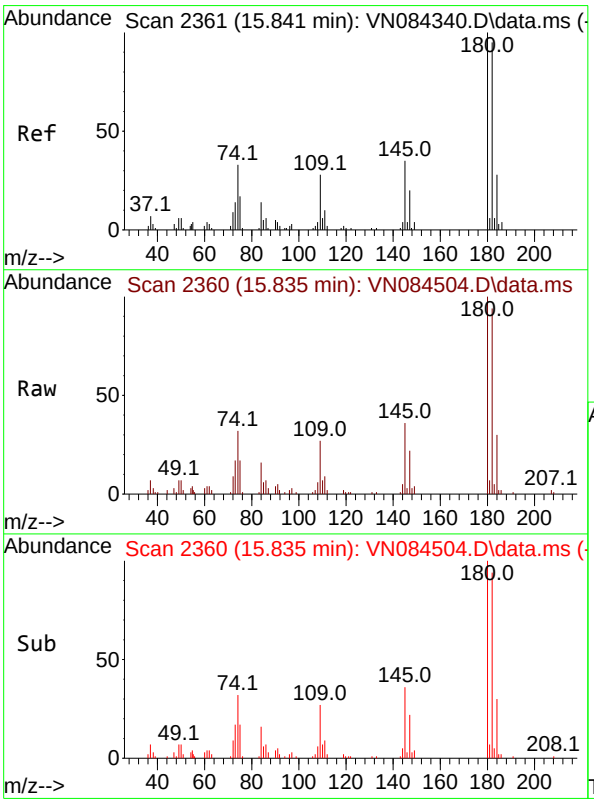
#91
Naphthalene
Concen: 17.015 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 139887

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.8	13.2

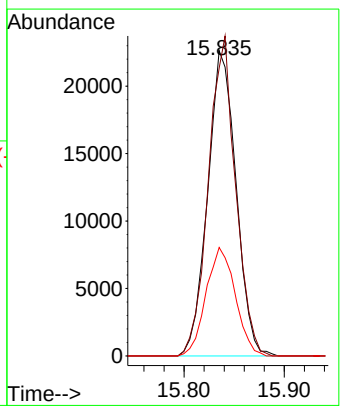




#92
1,2,3-Trichlorobenzene
Concen: 18.348 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084504.D
Acq: 25 Oct 2024 10:04

Tgt Ion:180 Resp: 44516

Ion	Ratio	Lower	Upper
180	100		
182	100.3	0.0	194.4
145	36.6	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084505.D
Acq On : 25 Oct 2024 10:40
Operator : JC\MD
Sample : VN1025WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Quant Time: Oct 26 05:25:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	35006	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	196424	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	178483	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	85431	30.313	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%				
60) 4-Bromofluorobenzene	12.847	95	90213	30.625	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.100%				
63) Toluene-d8	10.565	98	247087	29.883	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	37425	17.511	ug/l		96
3) Chloromethane	2.359	50	42455	17.456	ug/l		98
4) Vinyl Chloride	2.512	62	43498	18.237	ug/l		99
5) Bromomethane	2.965	94	27594	17.462	ug/l		95
6) Chloroethane	3.124	64	28969	18.527	ug/l		89
7) Trichlorofluoromethane	3.501	101	72738	18.723	ug/l		97
8) Diethyl Ether	3.965	74	26272	18.393	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	43494	19.911	ug/l		95
10) 1,1-Dichloroethene	4.342	96	40269	18.475	ug/l		93
11) Methyl Iodide	4.583	142	51000	17.805	ug/l		99
12) Methyl Acetate	5.024	43	57902	21.219	ug/l		95
13) Acrolein	4.177	56	50260	99.152	ug/l		98
14) Acrylonitrile	5.724	53	109397	89.236	ug/l		96
15) Acetone	4.424	58	39266	112.125	ug/l		88
16) Carbon Disulfide	4.706	76	107167	16.511	ug/l		98
17) Allyl chloride	5.018	41	62267	17.623	ug/l		93
18) Methylene Chloride	5.271	84	46706	19.022	ug/l		98
19) trans-1,2-Dichloroethene	5.783	96	41066	17.802	ug/l		94
20) Diisopropyl ether	6.671	45	146499	19.284	ug/l		96
21) 1,1-Dichloroethane	6.571	63	82163	18.849	ug/l		96
22) cis-1,2-Dichloroethene	7.483	96	49779	18.544	ug/l		98
23) tert-Butyl Alcohol	5.518	59	40923	87.026	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	136638	18.758	ug/l	#	84
25) Chloroform	7.965	83	85704	19.413	ug/l		99
26) Cyclohexane	8.259	56	63628	17.453	ug/l	#	94
29) 1,1-Dichloropropene	8.371	75	57539	17.845	ug/l		98
30) 2-Butanone	7.483	43	164064	95.566	ug/l		99
31) 2,2-Dichloropropane	7.489	77	73609	19.426	ug/l	#	81
32) 1,1,1-Trichloroethane	8.171	97	74667	18.116	ug/l		96
33) Carbon Tetrachloride	8.359	117	66737	18.691	ug/l		98
34) Benzene	8.606	78	183430	18.173	ug/l	#	94
35) Methacrylonitrile	7.777	41	33276	18.169	ug/l		98
36) 1,2-Dichloroethane	8.665	62	63174	18.777	ug/l		99
37) Trichloroethene	9.353	130	43004	18.502	ug/l		91
38) Methylcyclohexane	9.600	83	61561	17.381	ug/l		99
39) 1,2-Dichloropropane	9.618	63	45243	18.381	ug/l		95
40) Dibromomethane	9.706	93	31615	18.378	ug/l		98
41) Bromodichloromethane	9.883	83	69934	19.150	ug/l	#	95
42) Vinyl Acetate	6.600	43	524167	87.789	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084505.D
Acq On : 25 Oct 2024 10:40
Operator : JC\MD
Sample : VN1025WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Quant Time: Oct 26 05:25:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

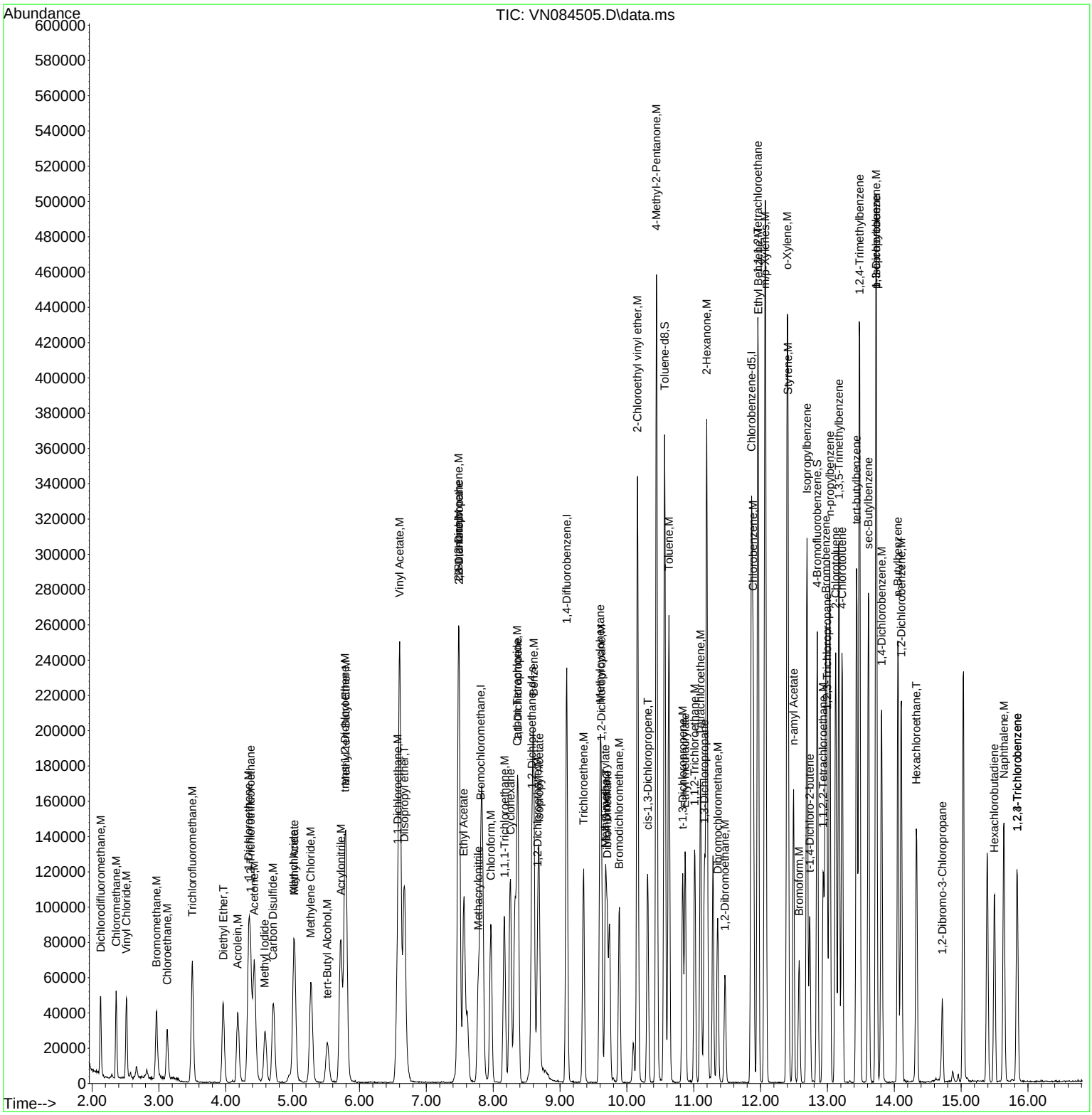
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.559	43	53166	15.702	ug/l	#	92
44) Isopropyl Acetate	8.688	43	121028	21.839	ug/l		90
45) 1,4-Dioxane	9.694	88	17805	356.411	ug/l		96
46) Methyl methacrylate	9.677	41	46112	17.222	ug/l		95
47) n-amyl Acetate	12.494	43	86813	17.612	ug/l		100
48) t-1,3-Dichloropropene	10.835	75	67004	17.755	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	71632	18.112	ug/l		96
50) 1,1,2-Trichloroethane	11.012	97	43132	18.654	ug/l		96
51) Ethyl methacrylate	10.871	69	67198	17.595	ug/l		98
52) 1,3-Dichloropropane	11.159	76	75556	18.688	ug/l		98
53) Dibromochloromethane	11.359	129	51619	18.898	ug/l		99
54) 1,2-Dibromoethane	11.465	107	42803	17.984	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	153339	88.521	ug/l		99
56) Bromoform	12.576	173	32397	17.883	ug/l		98
58) 4-Methyl-2-Pentanone	10.441	43	307964	92.625	ug/l		99
59) 2-Hexanone	11.194	43	233137	94.363	ug/l		100
61) Tetrachloroethene	11.100	164	38956	19.296	ug/l		96
62) Toluene	10.630	91	196630	18.818	ug/l		99
64) Chlorobenzene	11.888	112	120580	18.545	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.959	131	43584	19.294	ug/l		97
66) Ethyl Benzene	11.965	91	210798	18.569	ug/l		96
67) m/p-Xylenes	12.071	106	162032	37.626	ug/l		99
68) o-Xylene	12.400	106	76484	18.426	ug/l		98
69) Styrene	12.412	104	133735	18.768	ug/l		98
70) Isopropylbenzene	12.694	105	200837	18.952	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	61873	18.874	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	80886	28.811	ug/l		53
73) Bromobenzene	12.976	156	48953	19.075	ug/l		98
74) n-propylbenzene	13.035	91	239983	19.004	ug/l		100
75) 2-Chlorotoluene	13.123	91	149369	19.035	ug/l		99
76) 1,3,5-Trimethylbenzene	13.171	105	170711	19.133	ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	21547	17.960	ug/l		98
78) 4-Chlorotoluene	13.218	91	150297	18.839	ug/l		99
79) tert-butylbenzene	13.435	119	145820	19.156	ug/l		98
80) 1,2,4-Trimethylbenzene	13.482	105	171754	18.972	ug/l		98
81) sec-Butylbenzene	13.612	105	198811	18.971	ug/l		98
82) p-Isopropyltoluene	13.729	119	164354	18.632	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	90986	19.067	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	89542	18.896	ug/l		99
85) n-Butylbenzene	14.053	91	140914	18.444	ug/l		100
86) Hexachloroethane	14.329	117	31139	18.323	ug/l		100
87) 1,2-Dichlorobenzene	14.106	146	87916	19.055	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12838	19.150	ug/l		98
89) 1,2,4-Trichlorobenzene	15.841	180	42844	17.861	ug/l		98
90) Hexachlorobutadiene	15.494	225	20560	18.527	ug/l		98
91) Naphthalene	15.641	128	136862	16.837	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	42844	17.861	ug/l		98

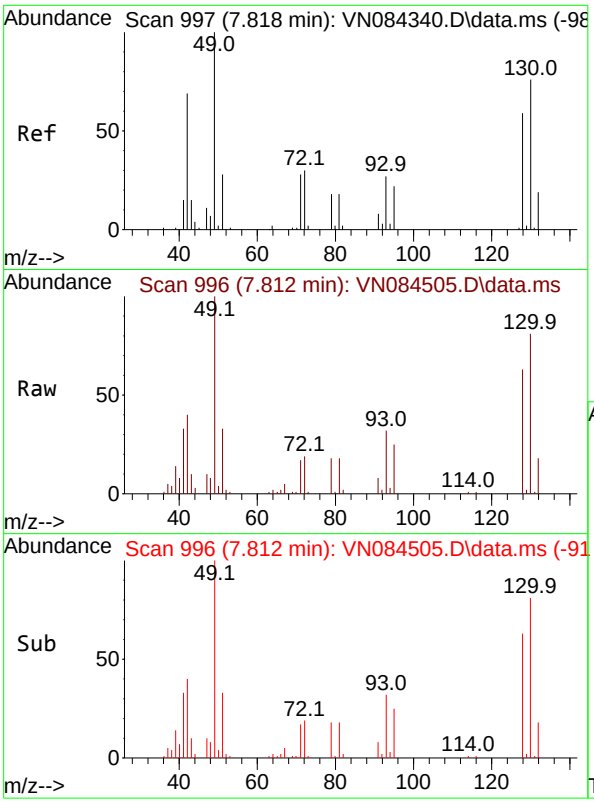
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084505.D
Acq On : 25 Oct 2024 10:40
Operator : JC\MD
Sample : VN1025WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Quant Time: Oct 26 05:25:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



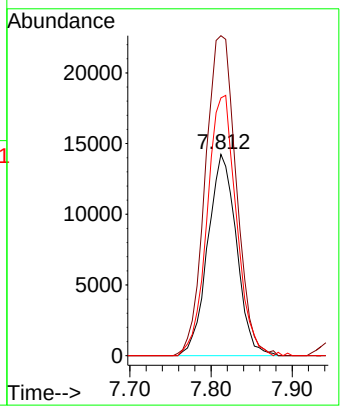


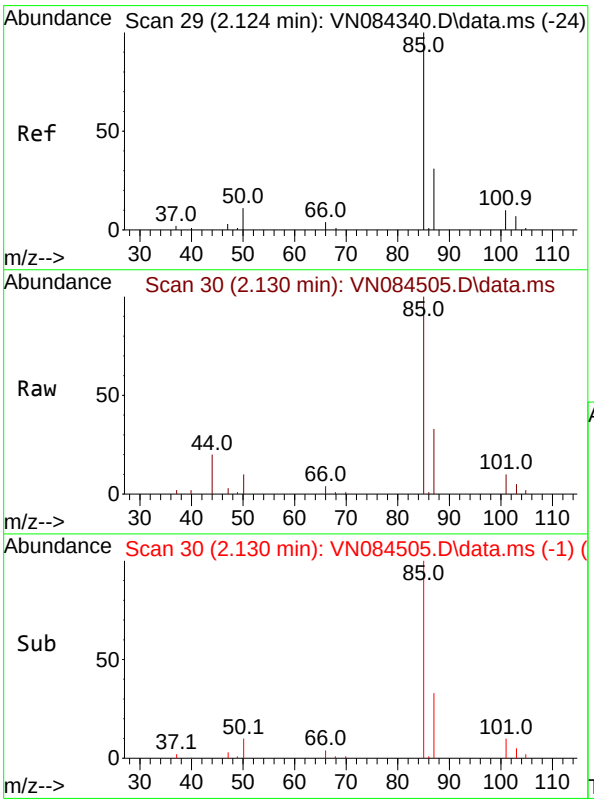
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:128 Resp: 35006

Ion	Ratio	Lower	Upper
128	100		
49	171.3	0.0	430.0
130	131.3	0.0	329.8

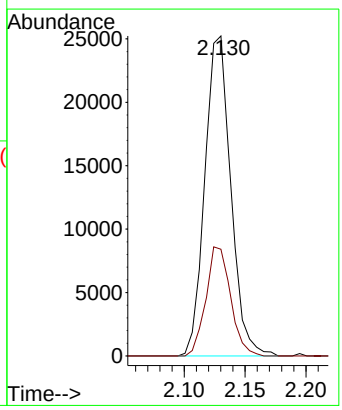


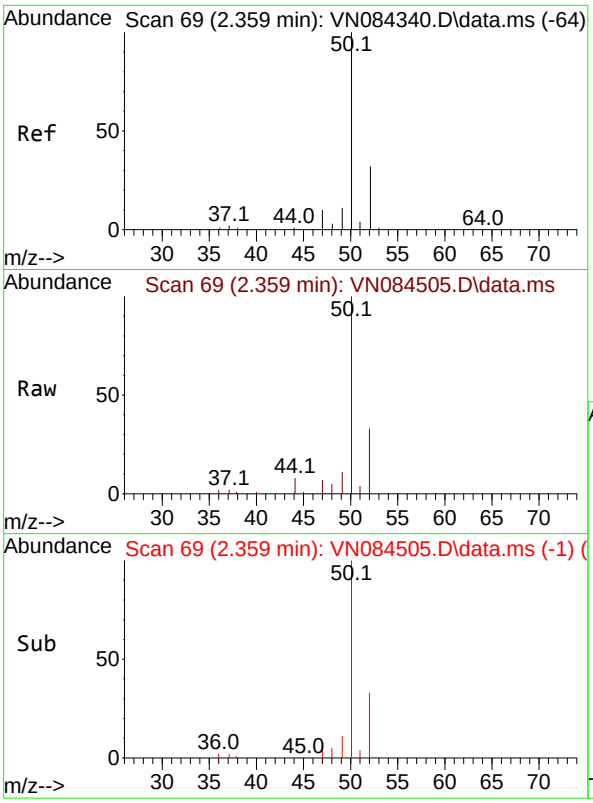


#2
Dichlorodifluoromethane
Concen: 17.511 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 85 Resp: 37425

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.4	46.4



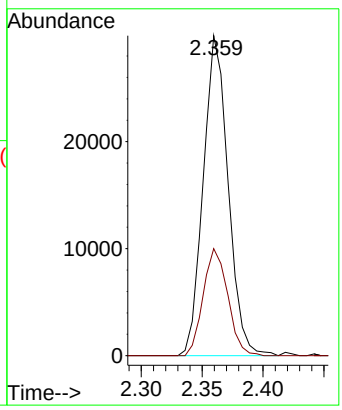


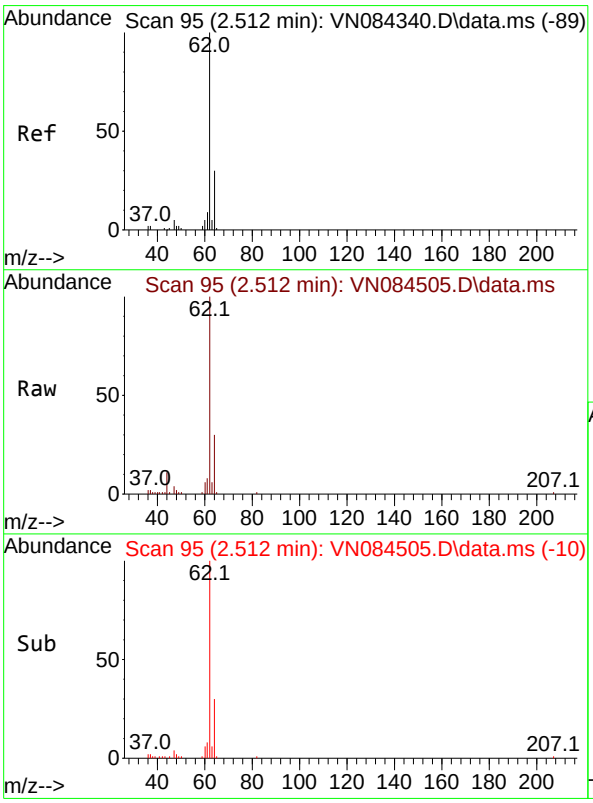
#3
Chloromethane
Concen: 17.456 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 50 Resp: 42455

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.8	38.6

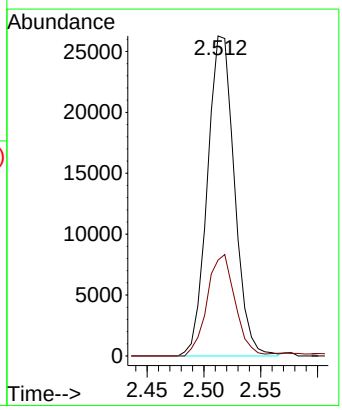


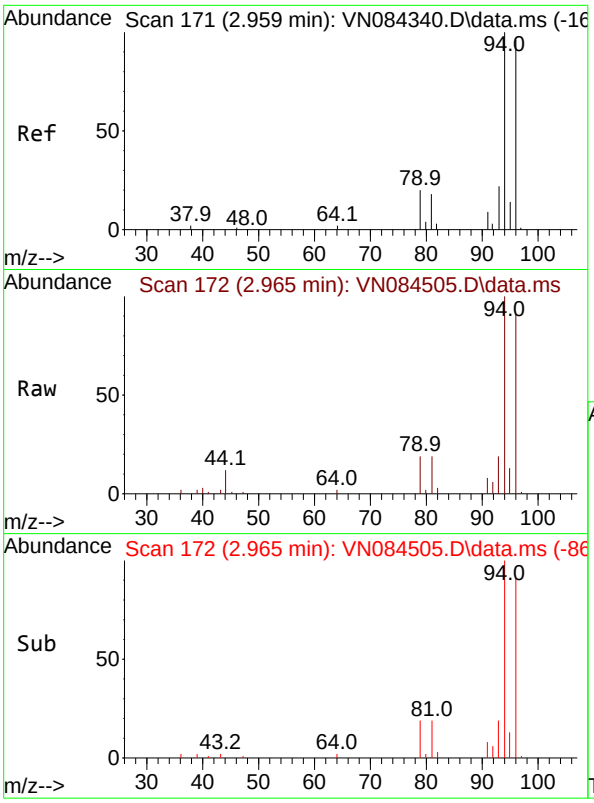


#4
Vinyl Chloride
Concen: 18.237 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 62 Resp: 43498

Ion	Ratio	Lower	Upper
62	100		
64	29.9	24.3	36.5



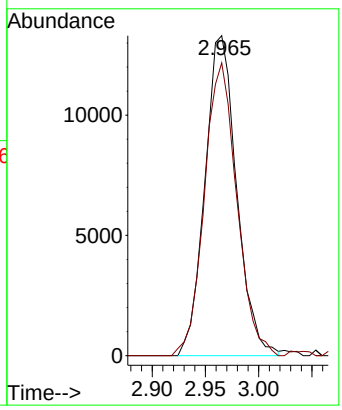


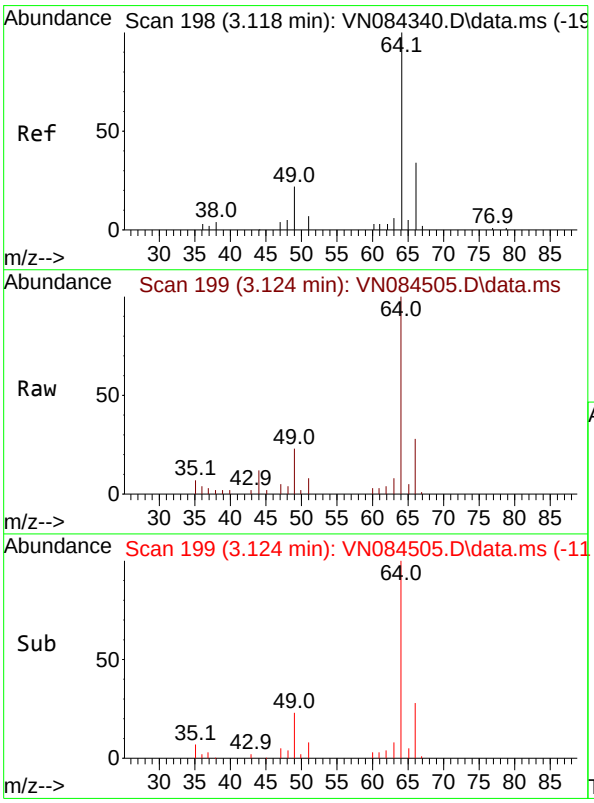
#5
Bromomethane
Concen: 17.462 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 94 Resp: 27594

Ion	Ratio	Lower	Upper
94	100		
96	91.5	76.7	115.1

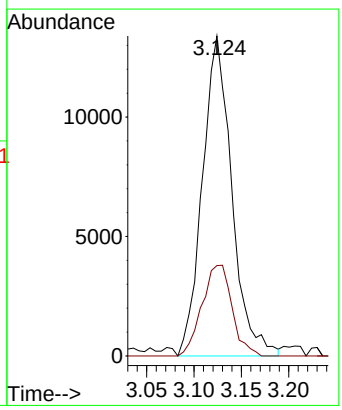


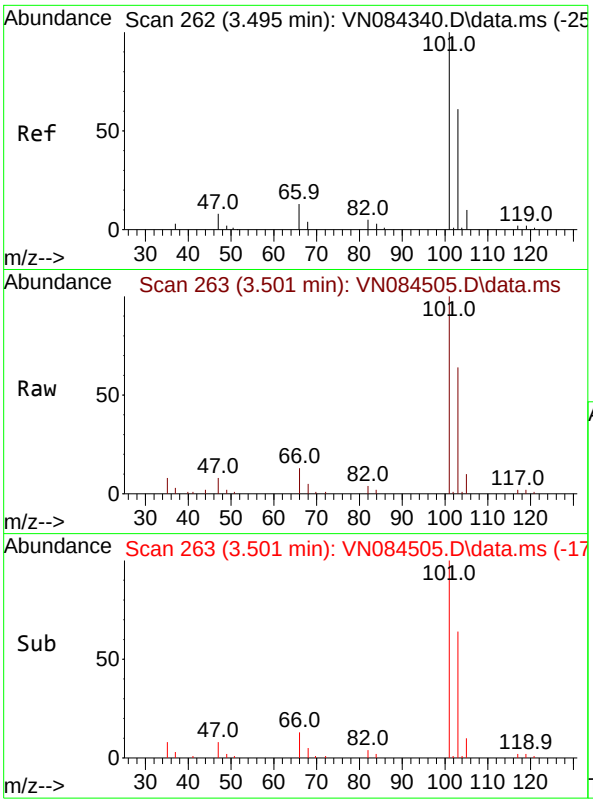


#6
Chloroethane
Concen: 18.527 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 64 Resp: 28969

Ion	Ratio	Lower	Upper
64	100		
66	28.2	27.7	41.5



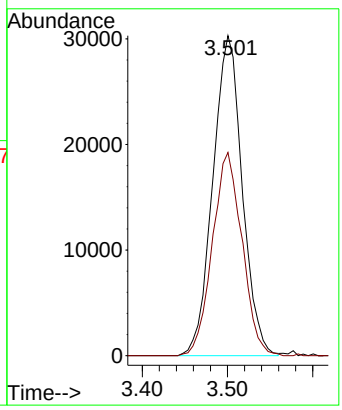


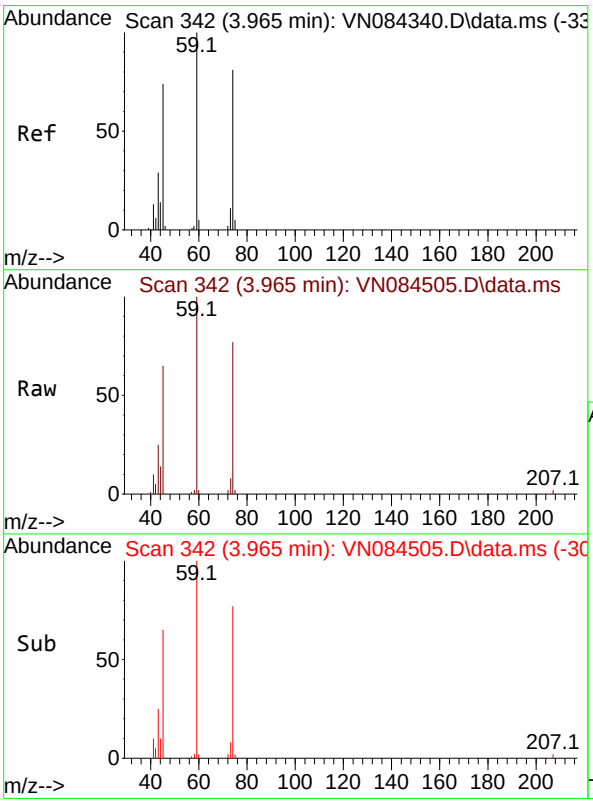
#7
Trichlorofluoromethane
Concen: 18.723 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:101 Resp: 72738

Ion	Ratio	Lower	Upper
101	100		
103	63.5	49.0	73.6

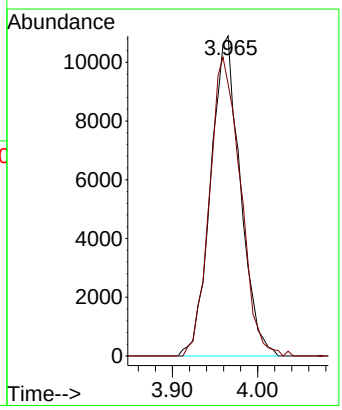


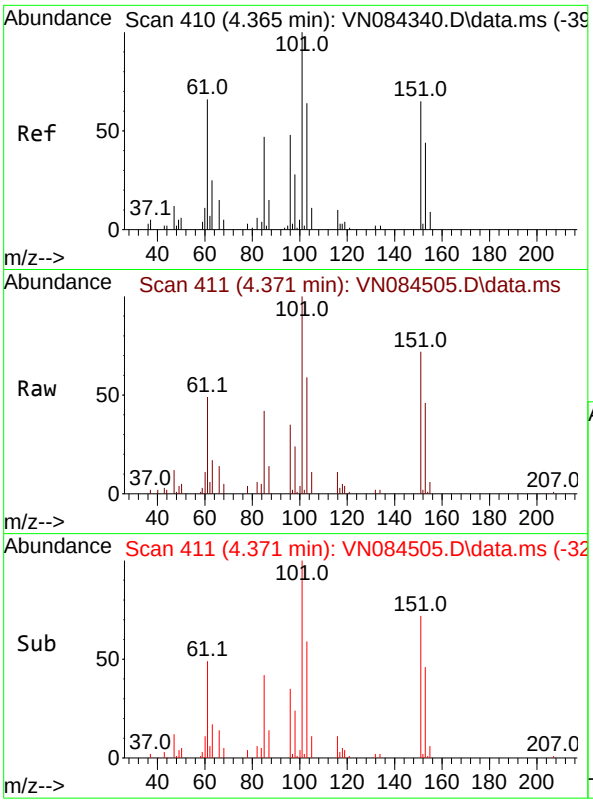


#8
Diethyl Ether
Concen: 18.393 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 74 Resp: 26272

Ion	Ratio	Lower	Upper
74	100		
45	97.6	19.2	173.2



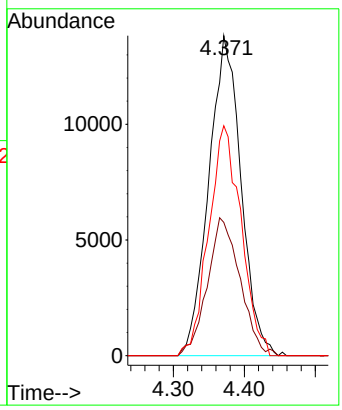


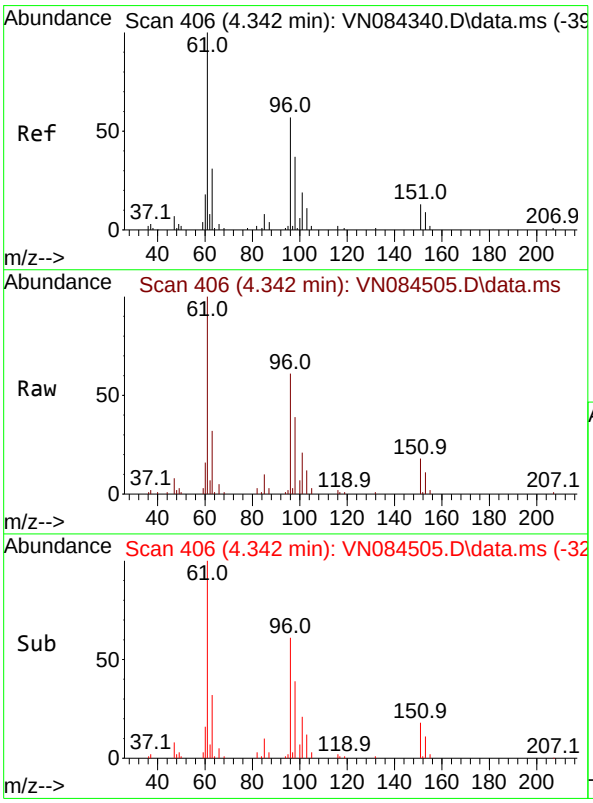
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.911 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:101 Resp: 43494

Ion	Ratio	Lower	Upper
101	100		
85	43.4	0.0	93.6
151	72.3	0.0	151.8

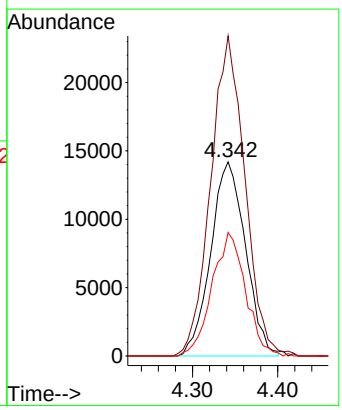


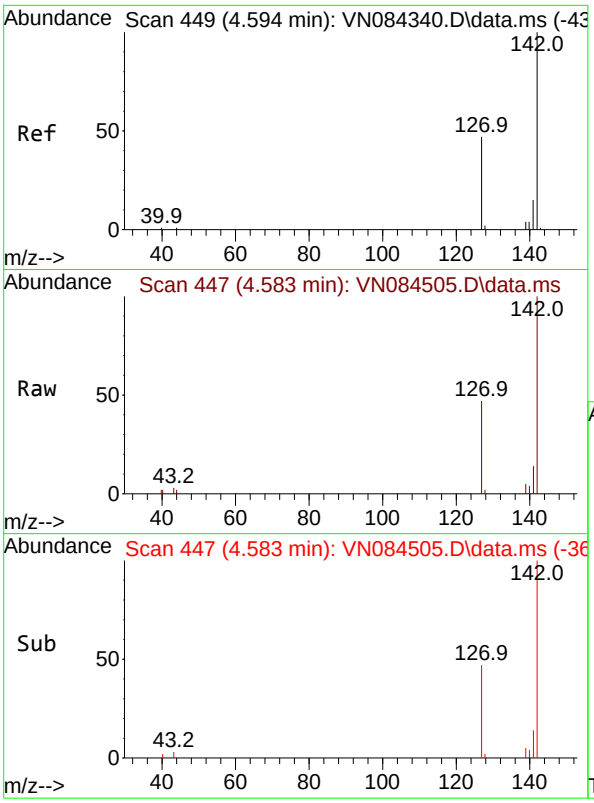


#10
1,1-Dichloroethene
Concen: 18.475 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 96 Resp: 40269

Ion	Ratio	Lower	Upper
96	100		
61	163.6	140.8	211.2
98	63.6	52.2	78.2



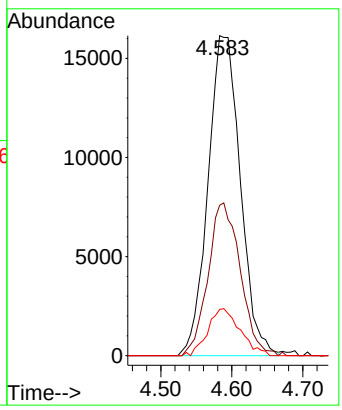


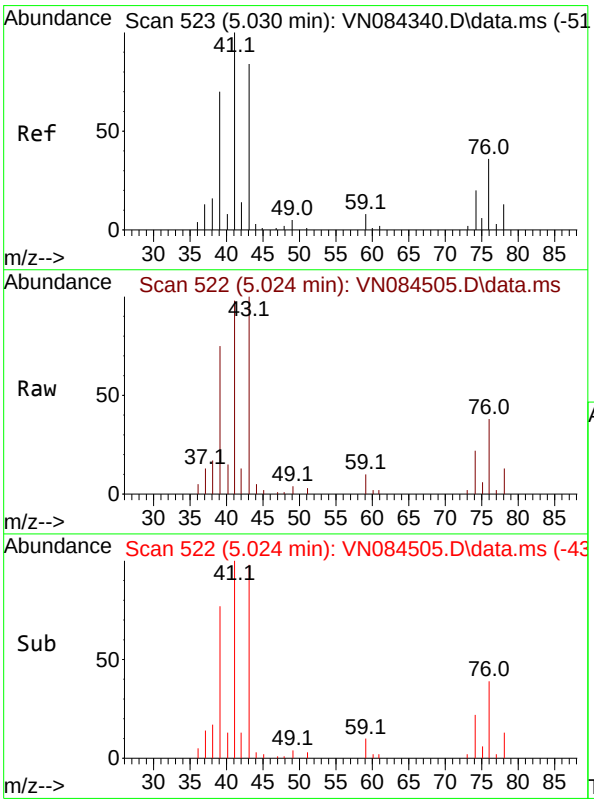
#11
Methyl Iodide
Concen: 17.805 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:142 Resp: 51000

Ion	Ratio	Lower	Upper
142	100		
127	47.2	23.8	71.4
141	14.5	7.4	22.2

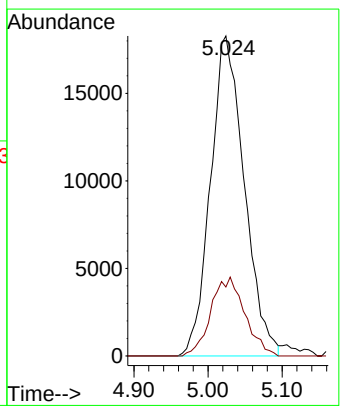


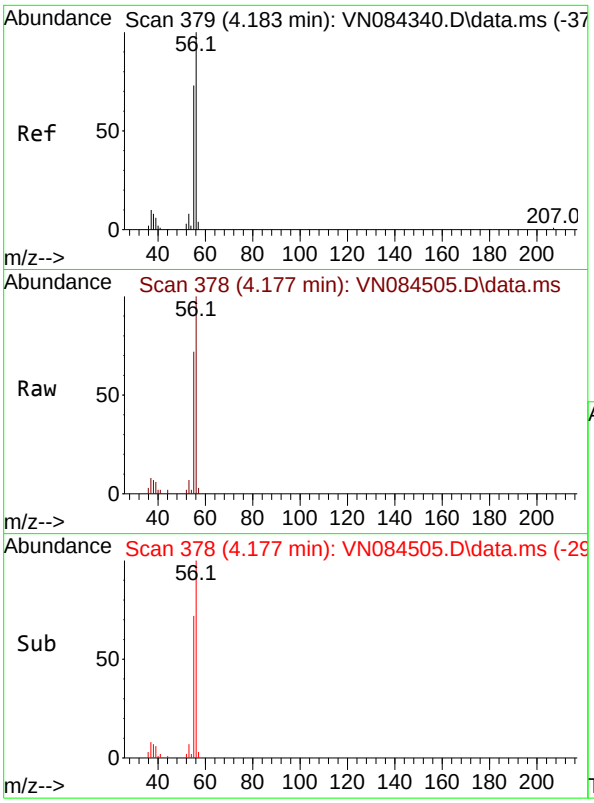


#12
Methyl Acetate
Concen: 21.219 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 57902

Ion	Ratio	Lower	Upper
43	100		
74	21.9	19.4	29.2



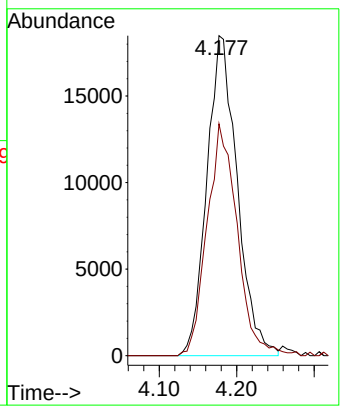


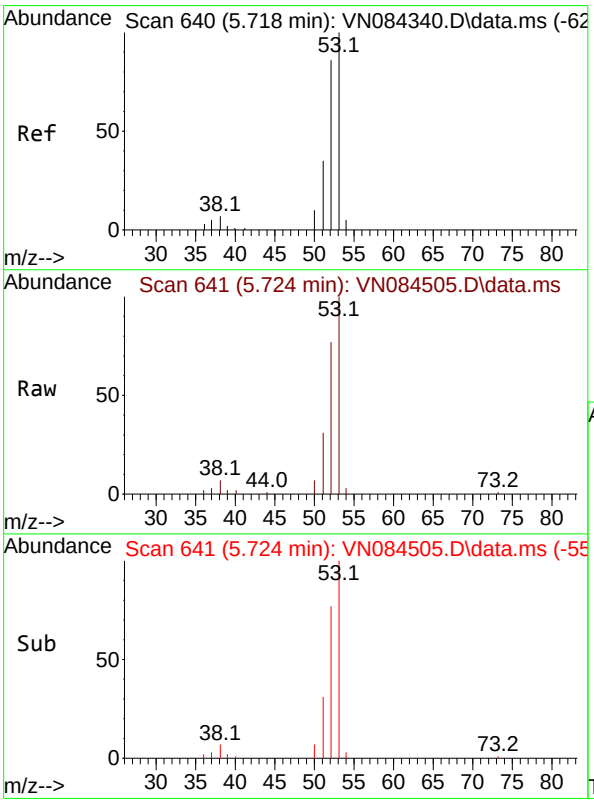
#13
Acrolein
Concen: 99.152 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 56 Resp: 50260

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.4	84.6

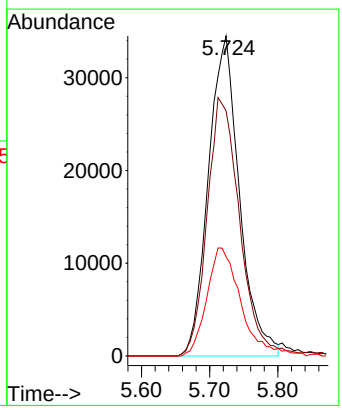


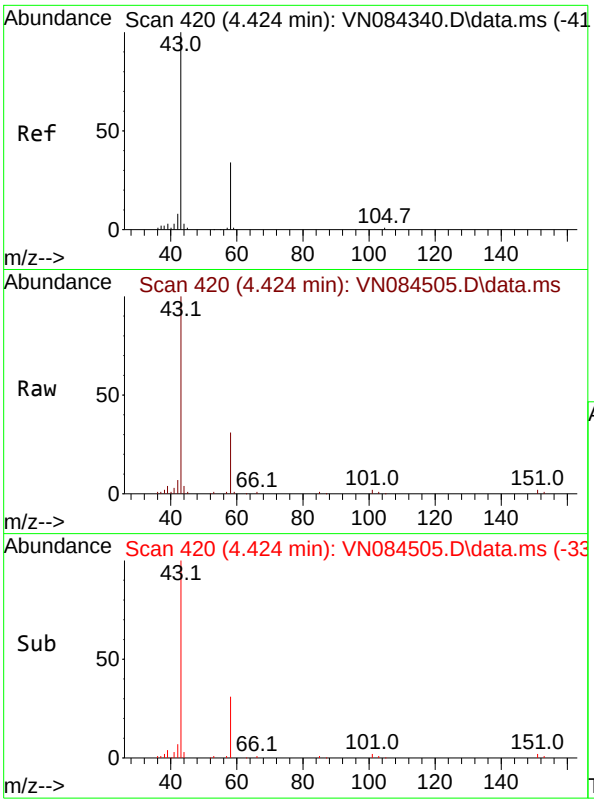


#14
Acrylonitrile
Concen: 89.236 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 53 Resp: 109397

Ion	Ratio	Lower	Upper
53	100		
52	84.6	40.4	121.2
51	36.9	17.8	53.4



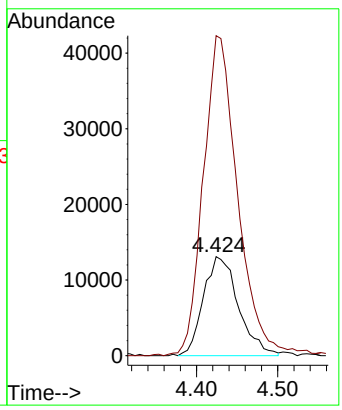


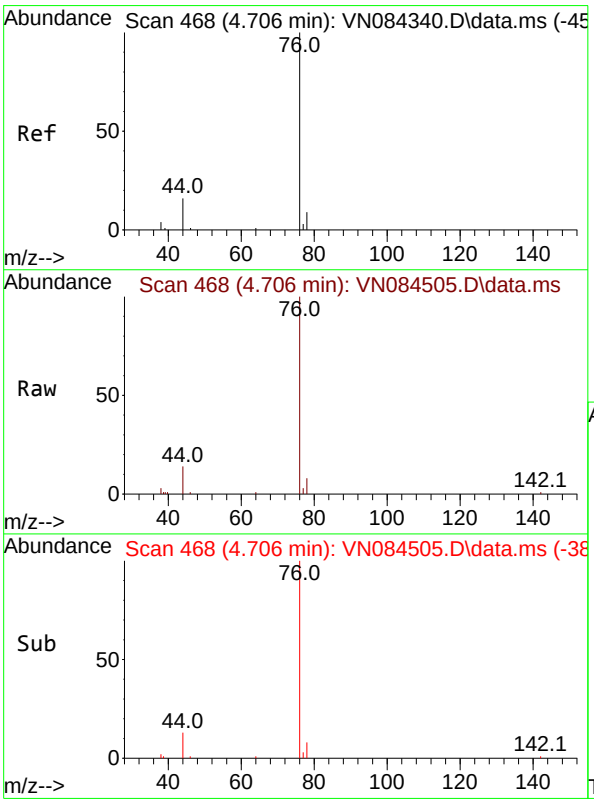
#15
Acetone
Concen: 112.125 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 58 Resp: 39266

Ion	Ratio	Lower	Upper
58	100		
43	320.1	237.5	356.3

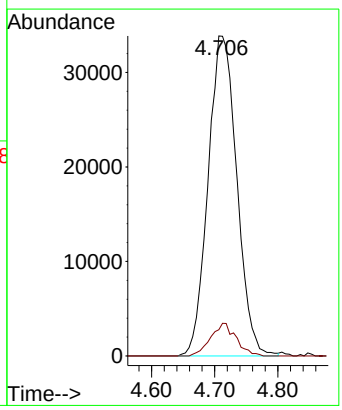


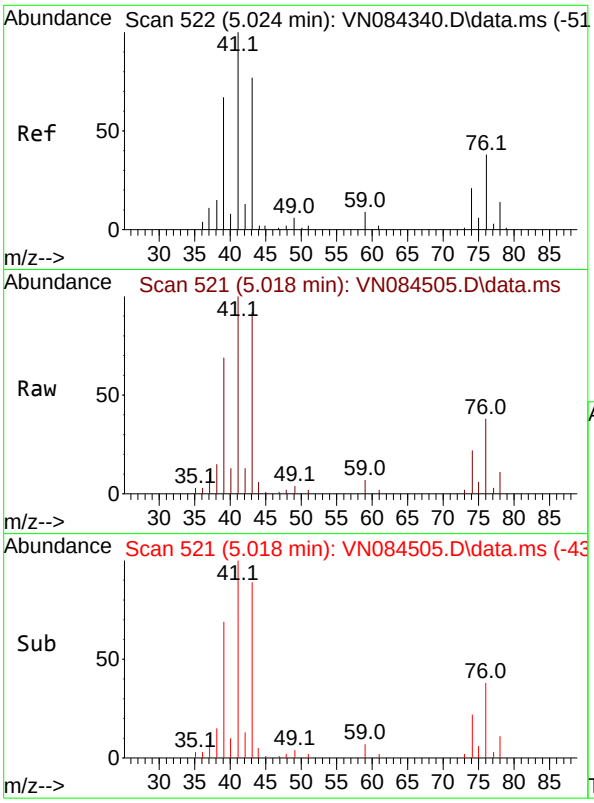


#16
Carbon Disulfide
Concen: 16.511 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 76 Resp: 107167

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.1	10.7



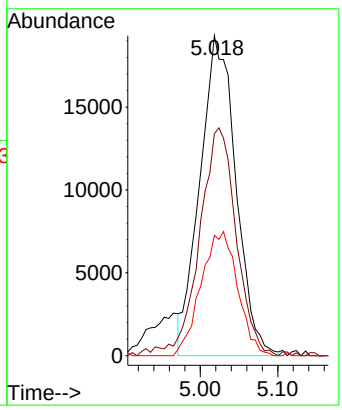


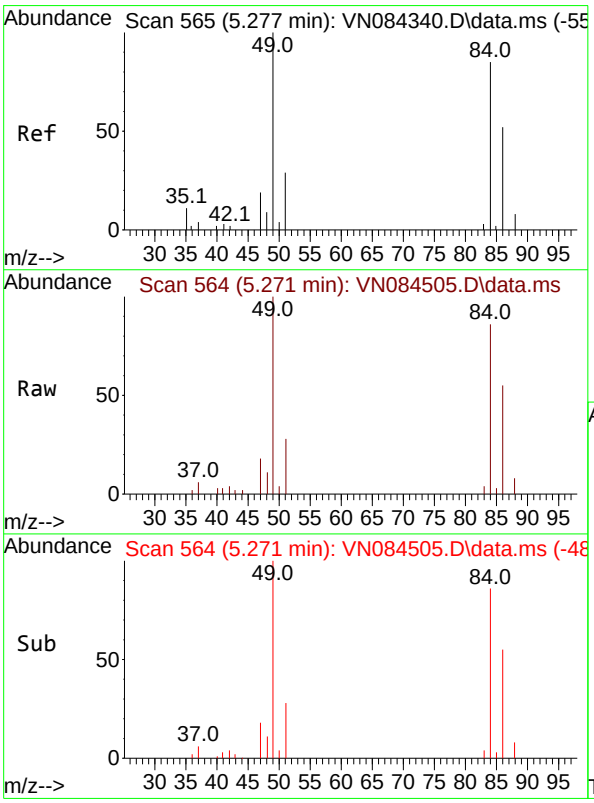
#17
Allyl chloride
Concen: 17.623 ug/l
RT: 5.018 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 41 Resp: 62267

Ion	Ratio	Lower	Upper
41	100		
39	70.2	31.4	94.3
76	38.0	17.8	53.5

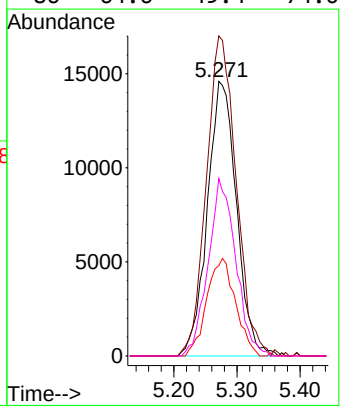


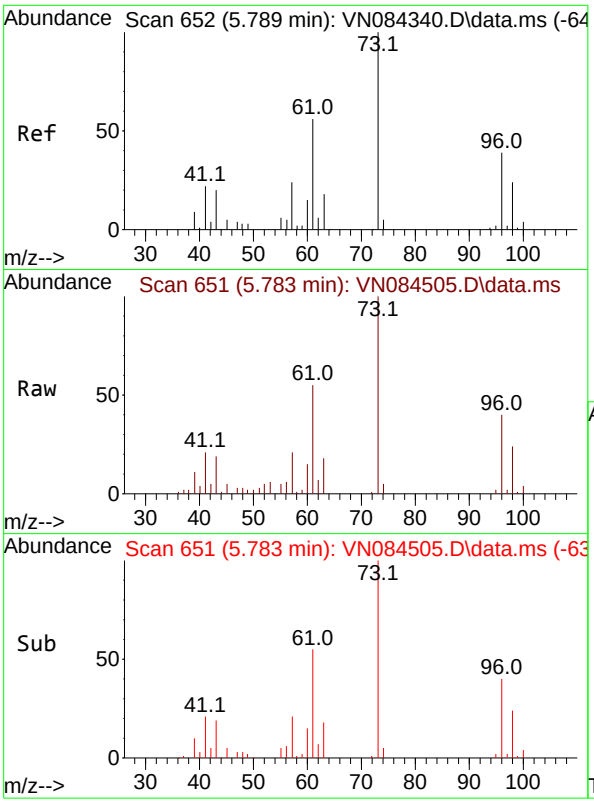


#18
Methylene Chloride
Concen: 19.022 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 84 Resp: 46706

Ion	Ratio	Lower	Upper
84	100		
49	116.6	94.6	142.0
51	32.9	27.3	40.9
86	64.6	49.4	74.0



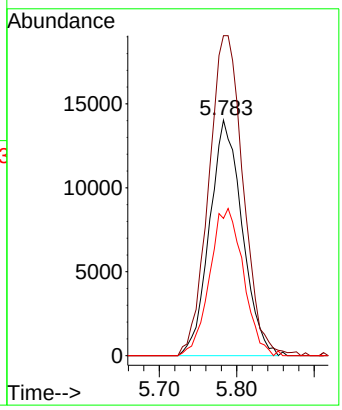


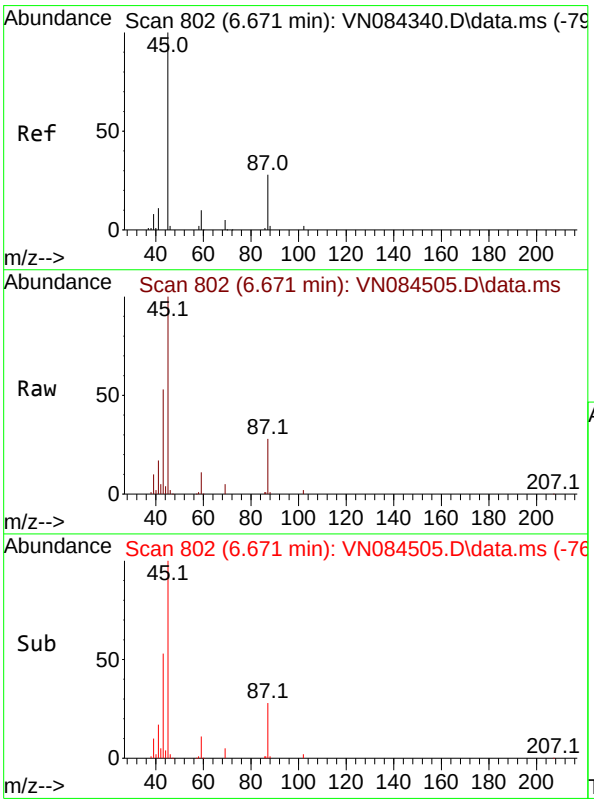
#19
trans-1,2-Dichloroethene
Concen: 17.802 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 96 Resp: 41066

Ion	Ratio	Lower	Upper
96	100		
61	135.9	115.8	173.6
98	58.3	49.4	74.0

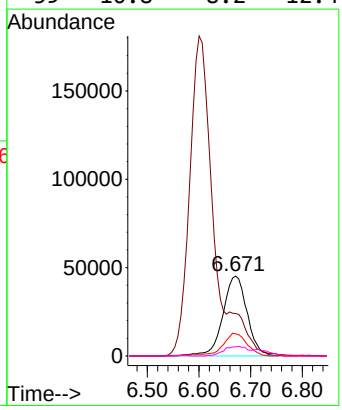


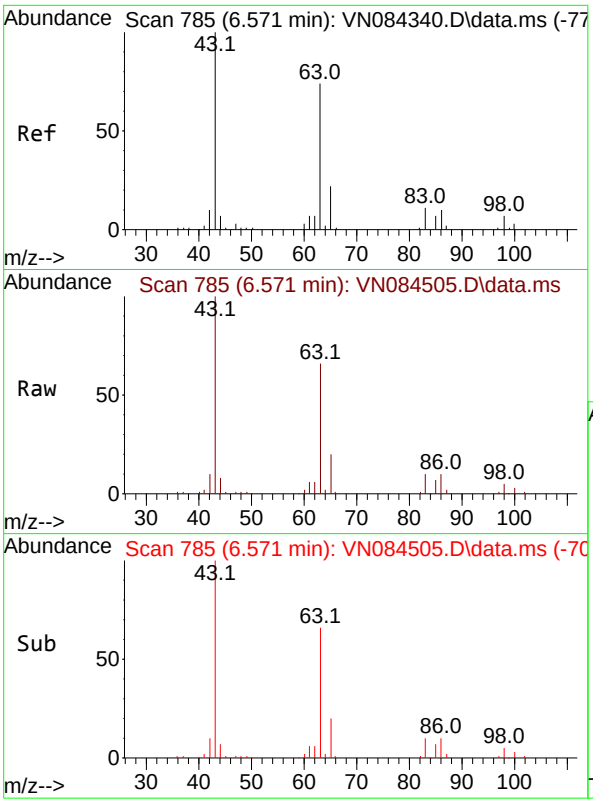


#20
Diisopropyl ether
Concen: 19.284 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 45 Resp: 146499

Ion	Ratio	Lower	Upper
45	100		
43	51.2	43.7	65.5
87	27.4	23.1	34.7
59	10.8	8.2	12.4



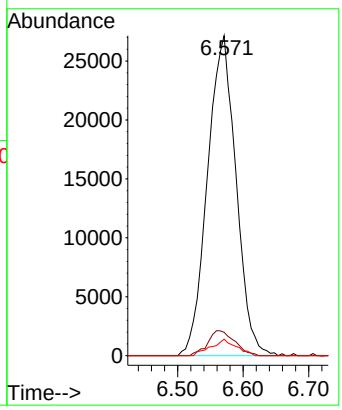


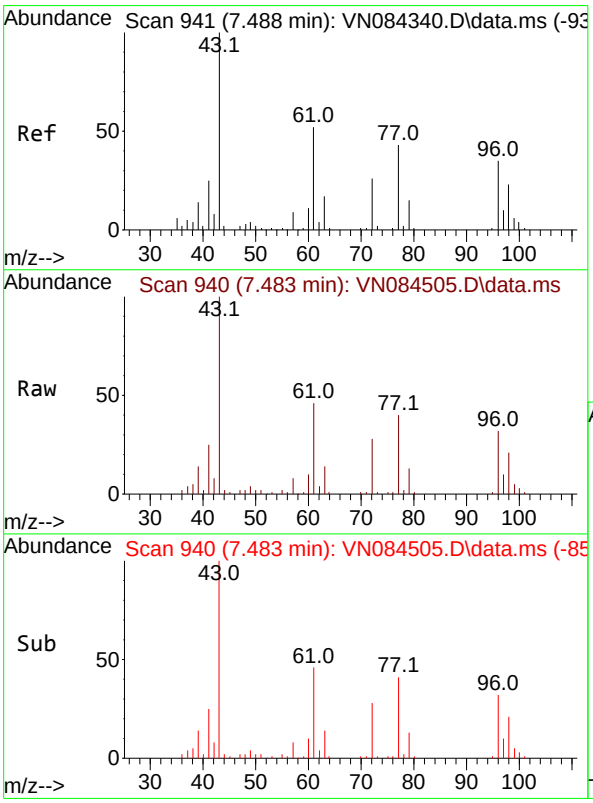
#21
1,1-Dichloroethane
Concen: 18.849 ug/l
RT: 6.571 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 63 Resp: 82163

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.5	13.4
100	5.1	2.1	6.3

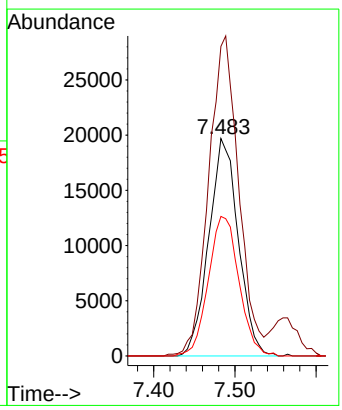


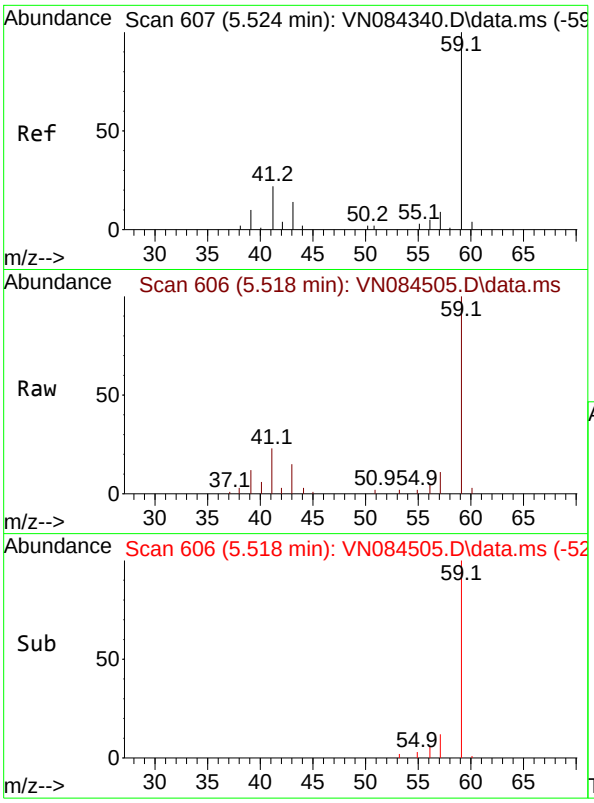


#22
cis-1,2-Dichloroethene
Concen: 18.544 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 96 Resp: 49779

Ion	Ratio	Lower	Upper
96	100		
61	149.8	118.0	177.0
98	66.5	51.8	77.8



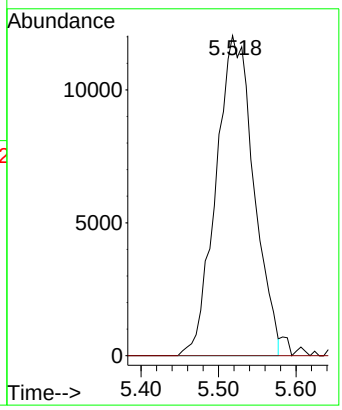


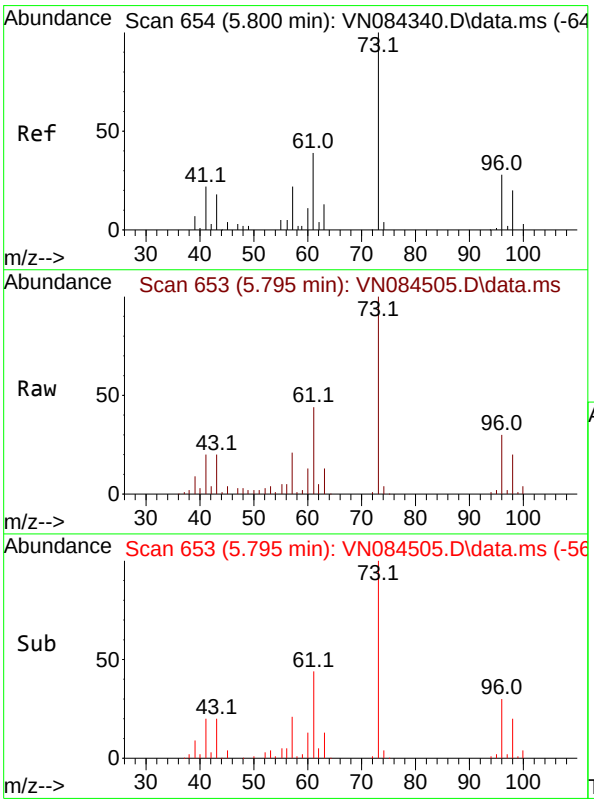
#23
tert-Butyl Alcohol
Concen: 87.026 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 59 Resp: 40923

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

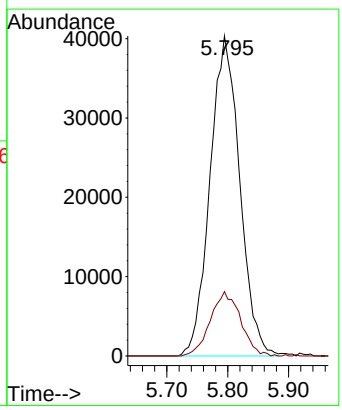


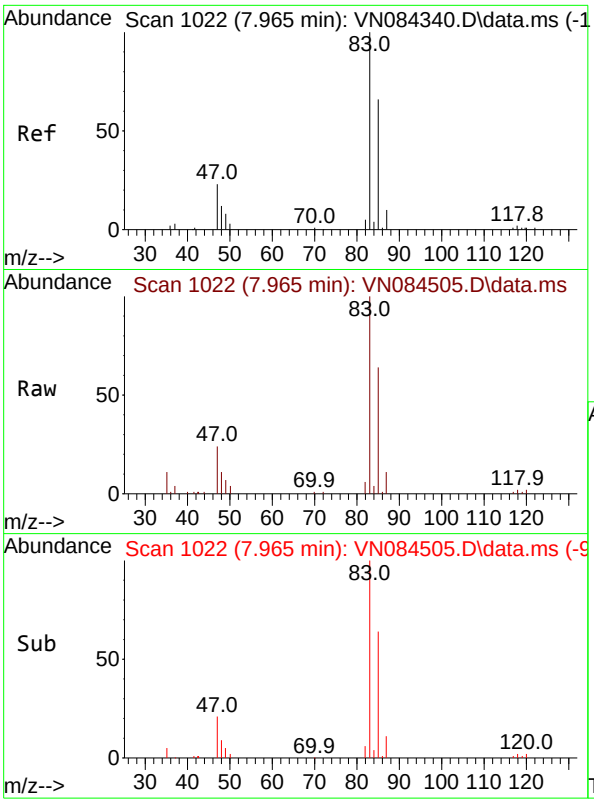


#24
Methyl tert-Butyl Ether
Concen: 18.758 ug/l
RT: 5.795 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 73 Resp: 136638

Ion	Ratio	Lower	Upper
73	100		
43	20.2	10.9	16.3#



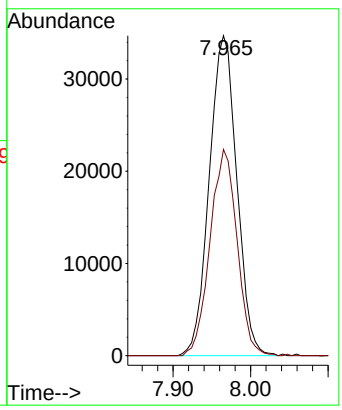


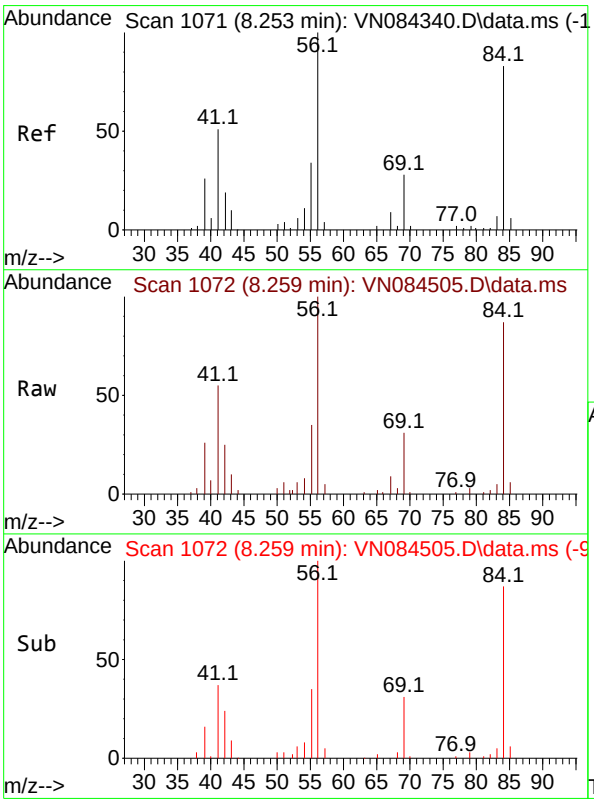
#25
Chloroform
Concen: 19.413 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 83 Resp: 85704

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6

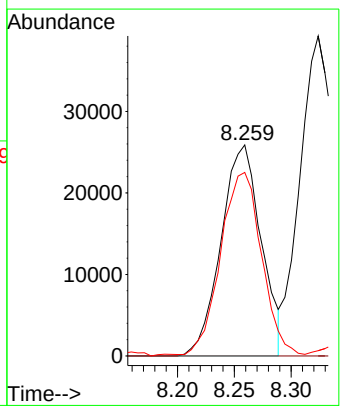


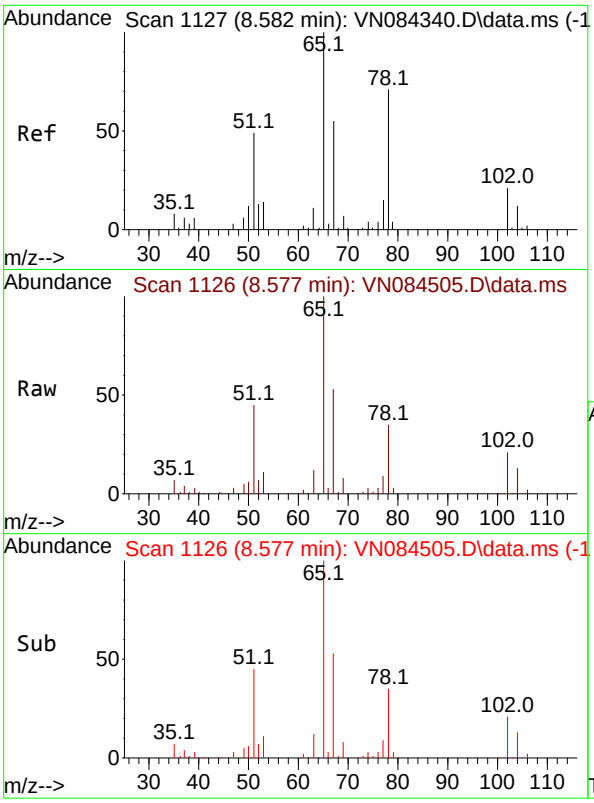


#26
Cyclohexane
Concen: 17.453 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 56 Resp: 63628

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	88.9	67.0	100.6



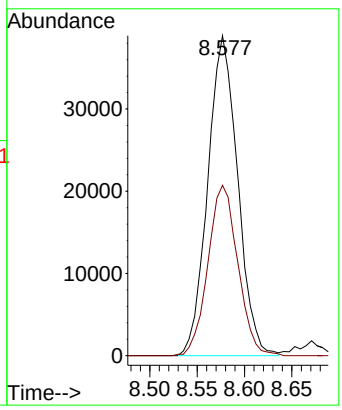


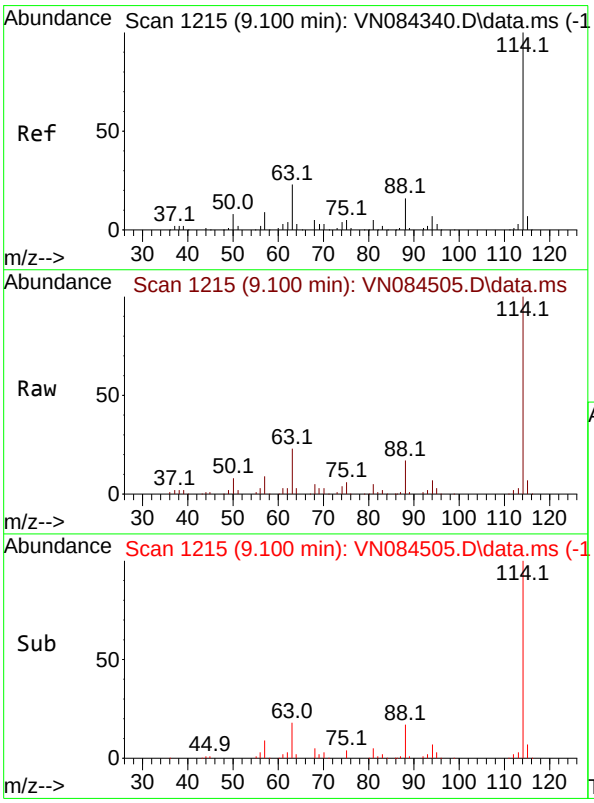
#27
1,2-Dichloroethane-d4
Concen: 30.313 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 65 Resp: 85431

Ion	Ratio	Lower	Upper
65	100		
67	53.2	41.5	62.3

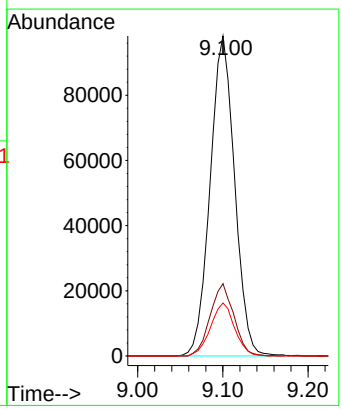


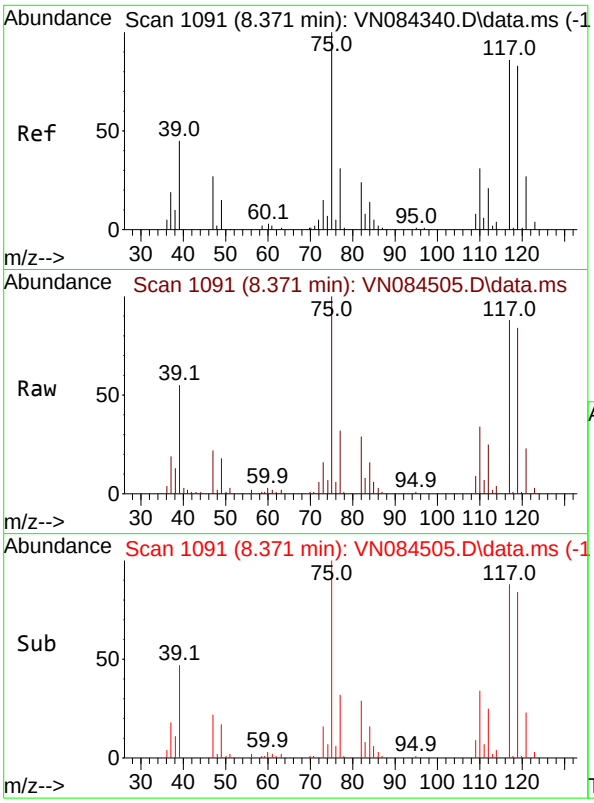


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:114 Resp: 196424

Ion	Ratio	Lower	Upper
114	100		
63	21.8	17.4	26.0
88	16.3	13.2	19.8



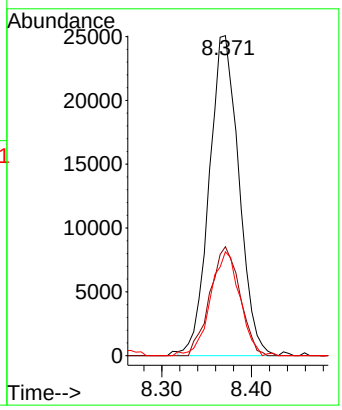


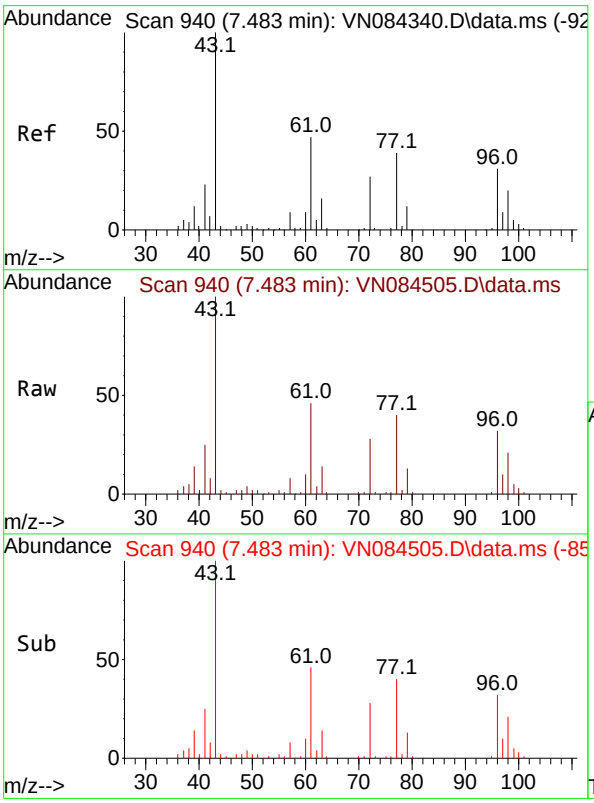
#29
1,1-Dichloropropene
Concen: 17.845 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 75 Resp: 57539

Ion	Ratio	Lower	Upper
75	100		
110	34.4	0.0	67.6
77	31.8	0.0	61.4

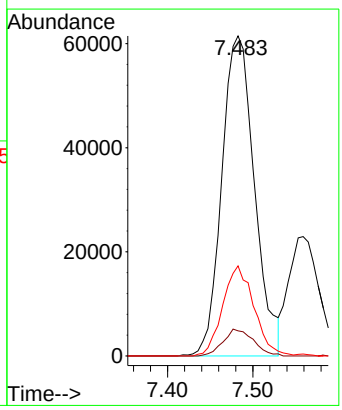


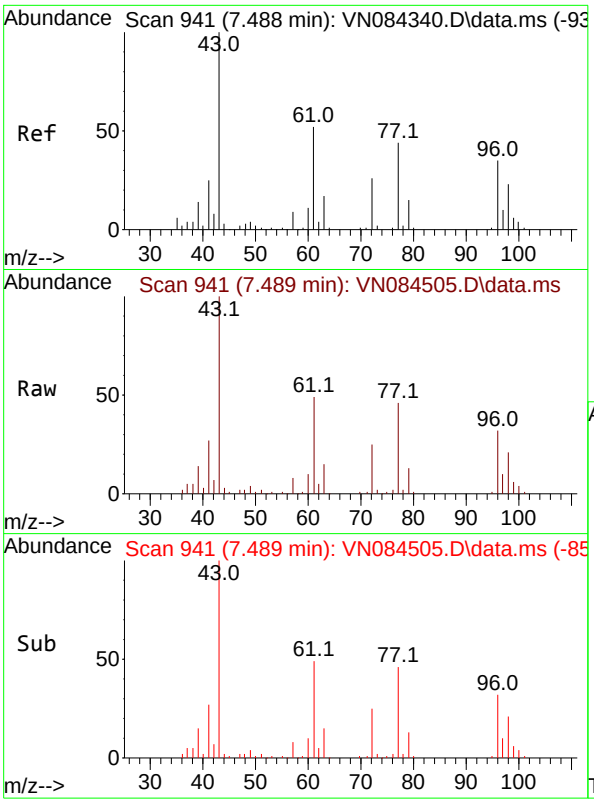


#30
2-Butanone
Concen: 95.566 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 164064

Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	26.9	21.3	31.9



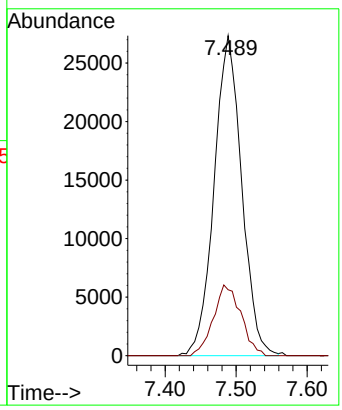


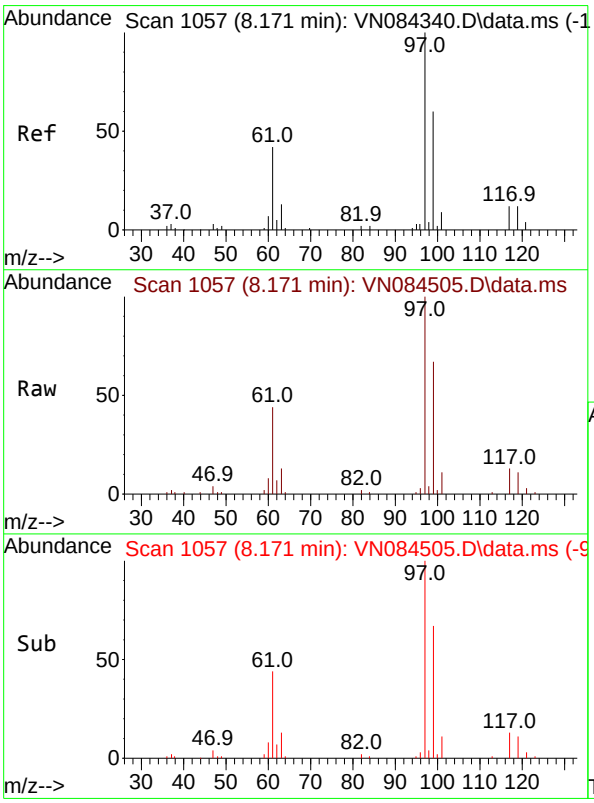
#31
2,2-Dichloropropane
Concen: 19.426 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 77 Resp: 73609

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.5	17.3#

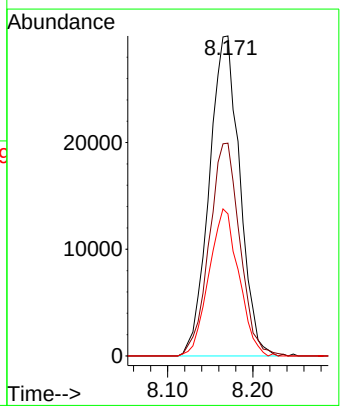


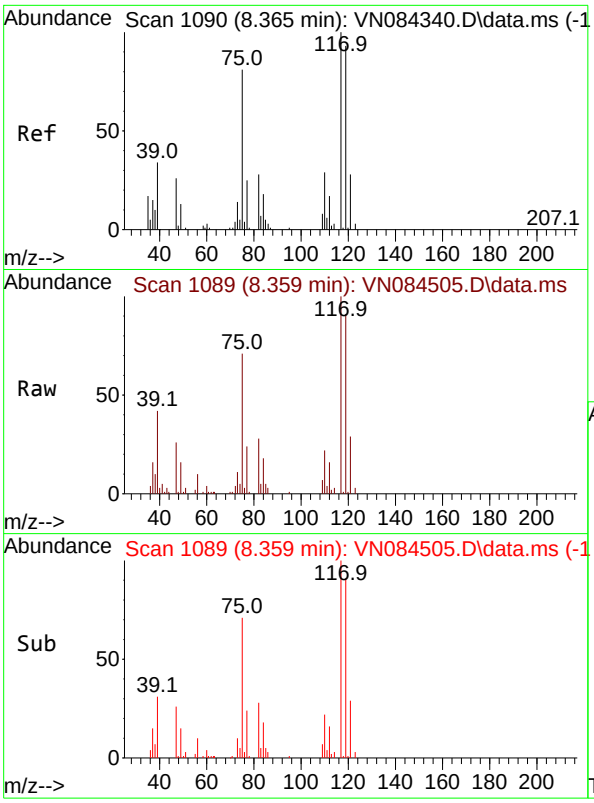


#32
1,1,1-Trichloroethane
Concen: 18.116 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 97 Resp: 74667

Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.2	76.8
61	44.9	34.1	51.1



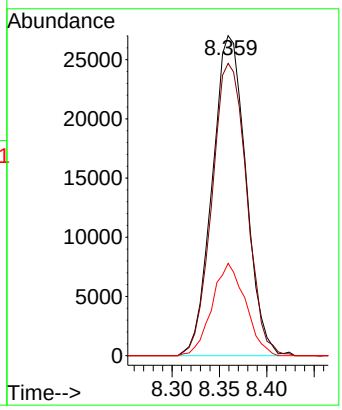


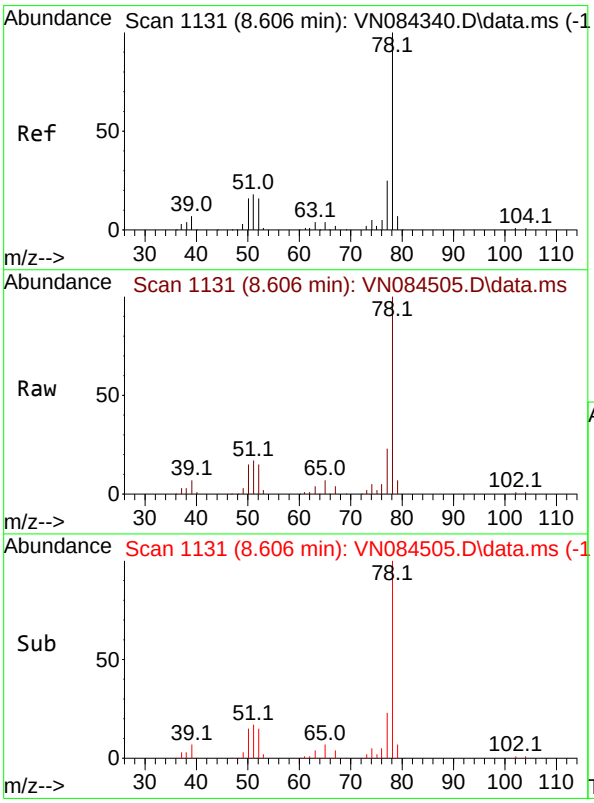
#33
Carbon Tetrachloride
Concen: 18.691 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:117 Resp: 66737

Ion	Ratio	Lower	Upper
117	100		
119	91.4	74.3	111.5
121	28.9	22.4	33.6

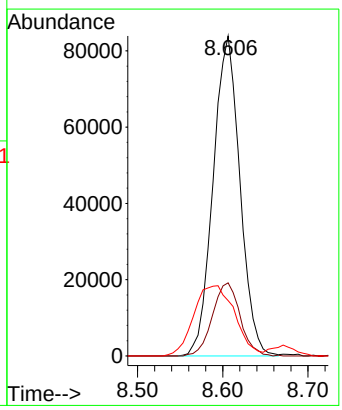


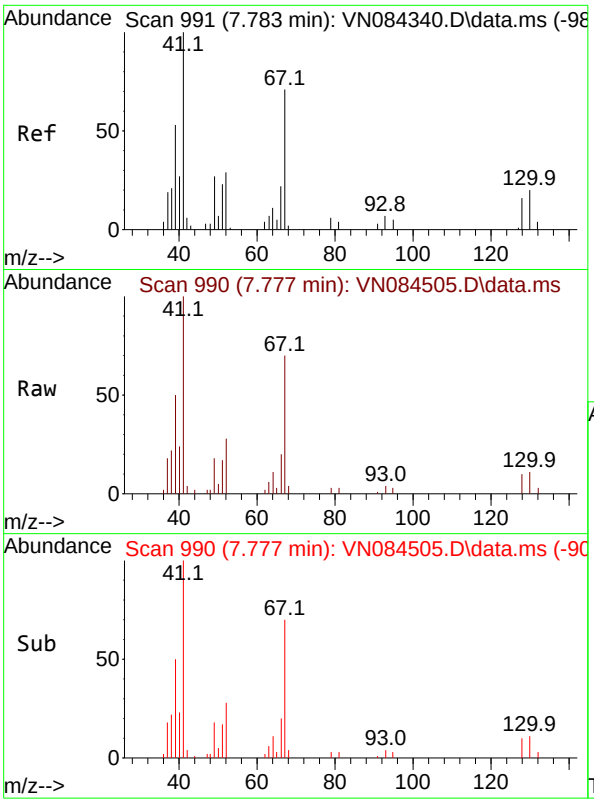


#34
Benzene
Concen: 18.173 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 78 Resp: 183430

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.6	29.4
51	15.1	15.8	23.6#



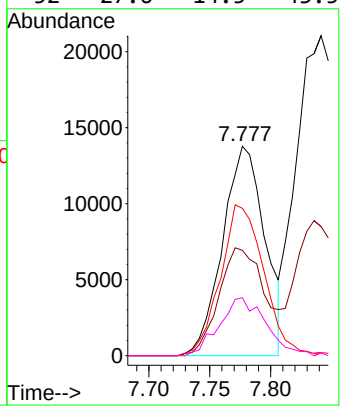


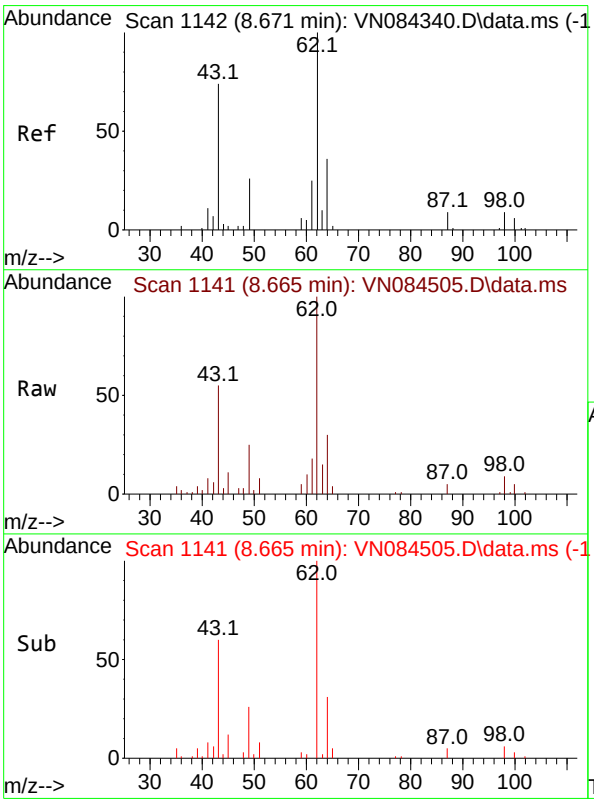
#35
Methacrylonitrile
Concen: 18.169 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 41 Resp: 33276

Ion	Ratio	Lower	Upper
41	100		
39	50.3	26.4	79.0
67	70.4	35.7	107.1
52	27.6	14.5	43.5

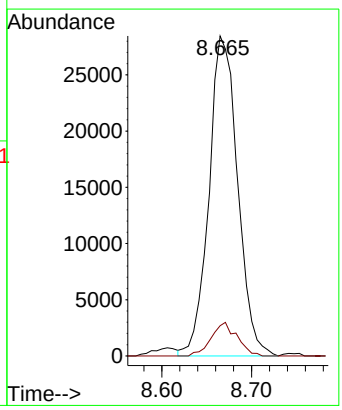


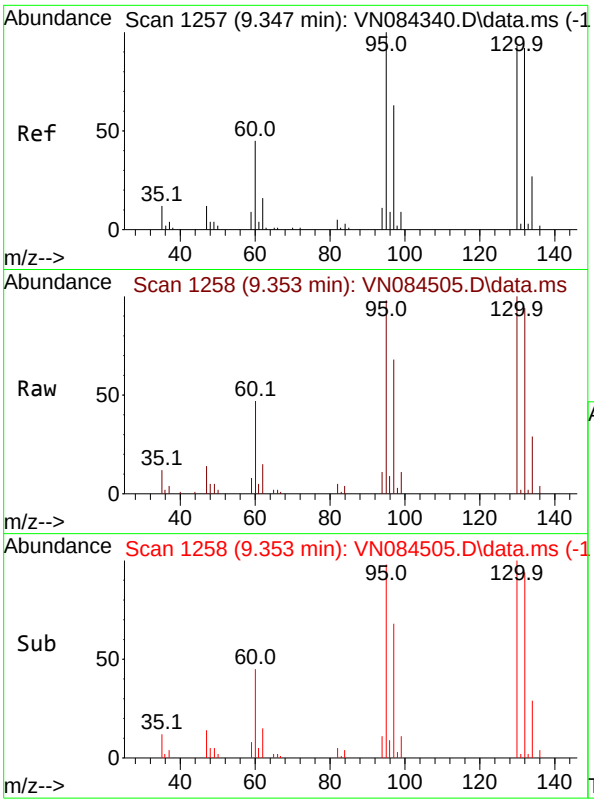


#36
1,2-Dichloroethane
Concen: 18.777 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 62 Resp: 63174

Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.3	10.9



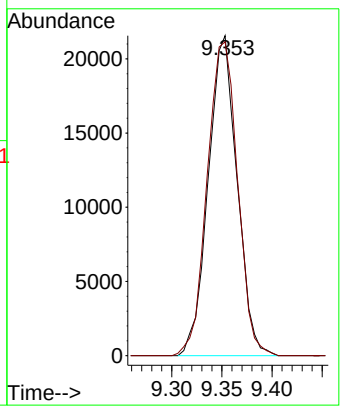


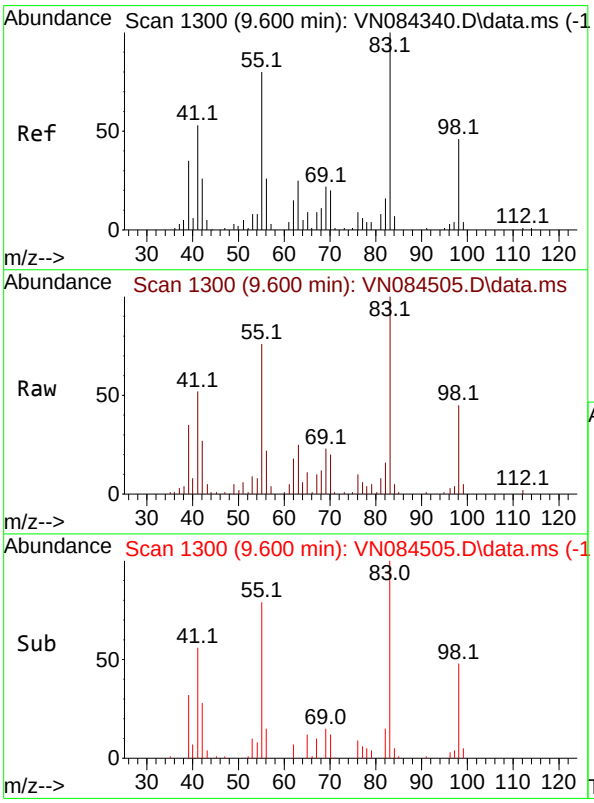
#37
Trichloroethene
Concen: 18.502 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:130 Resp: 43004

Ion	Ratio	Lower	Upper
130	100		
95	98.1	85.8	128.6

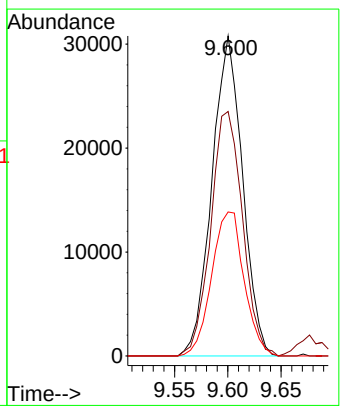


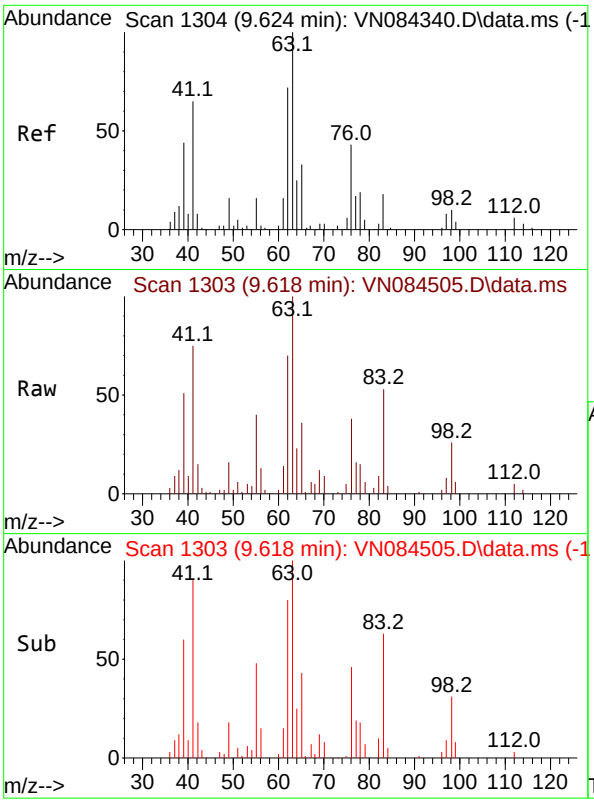


#38
Methylcyclohexane
Concen: 17.381 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 83 Resp: 61561

Ion	Ratio	Lower	Upper
83	100		
55	79.1	39.3	117.8
98	47.7	24.0	72.0



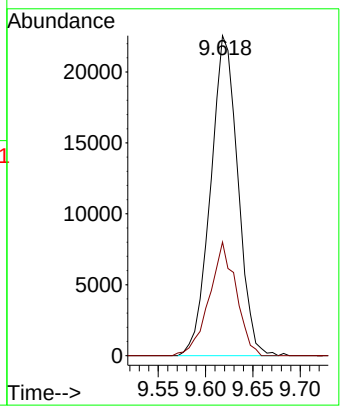


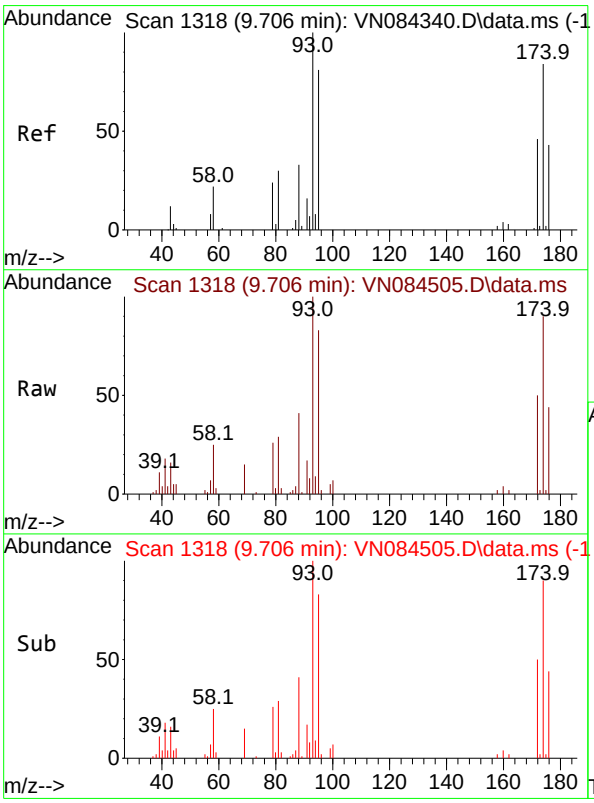
#39
1,2-Dichloropropane
Concen: 18.381 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 63 Resp: 45243

Ion	Ratio	Lower	Upper
63	100		
65	35.5	26.3	39.5

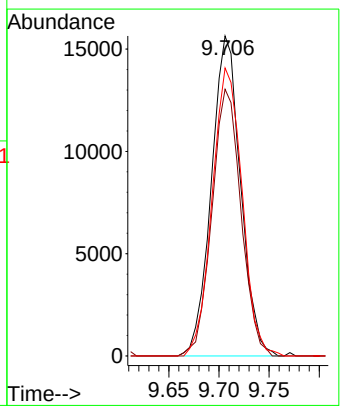


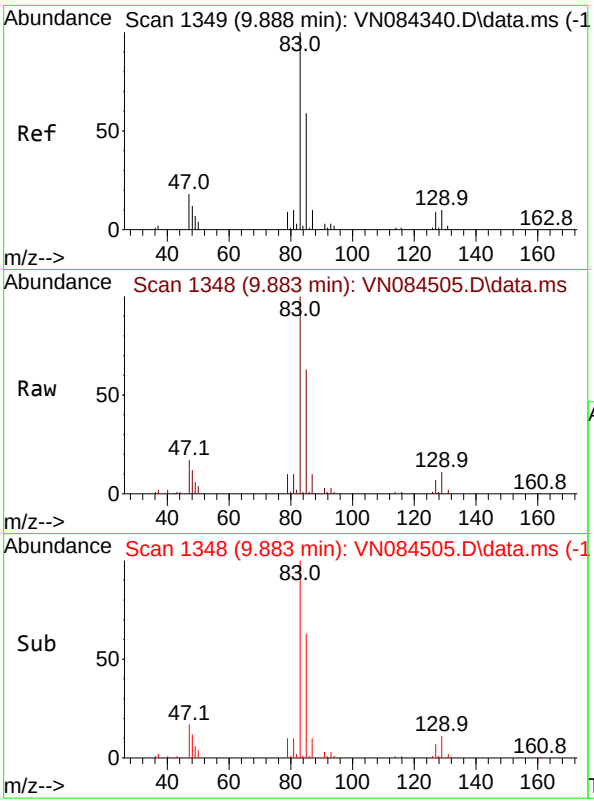


#40
Dibromomethane
Concen: 18.378 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 93 Resp: 31615

Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	171.4
174	92.1	0.0	183.0



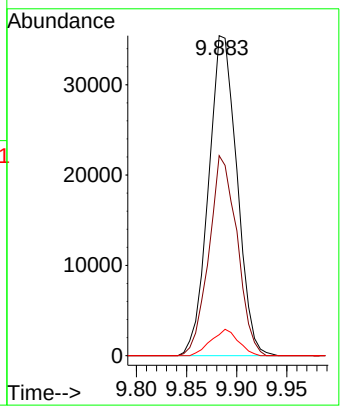


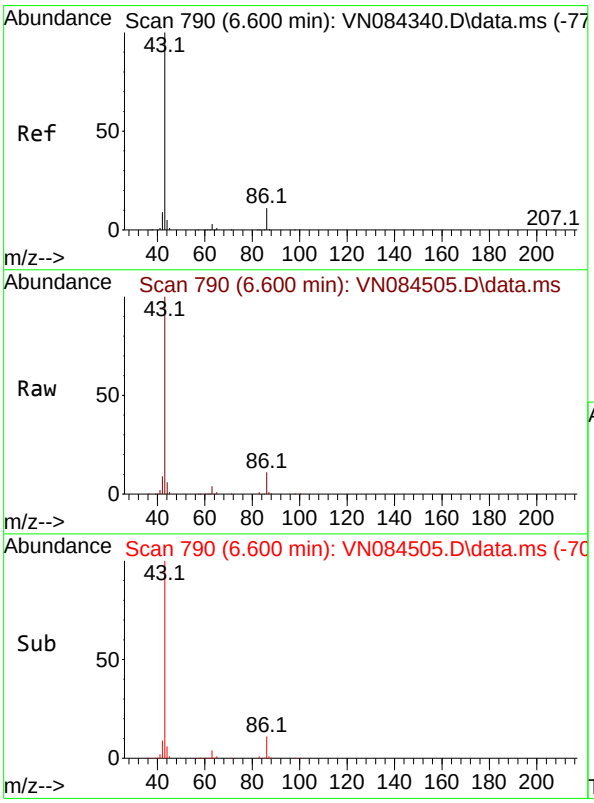
#41
Bromodichloromethane
Concen: 19.150 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 83 Resp: 69934

Ion	Ratio	Lower	Upper
83	100		
85	62.5	47.1	70.7
127	6.6	7.1	10.7#

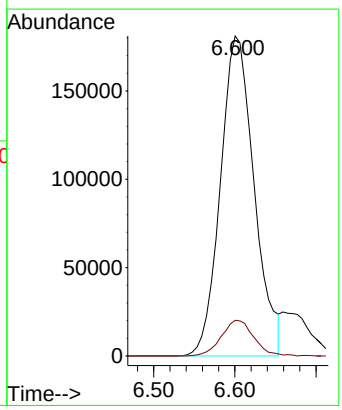


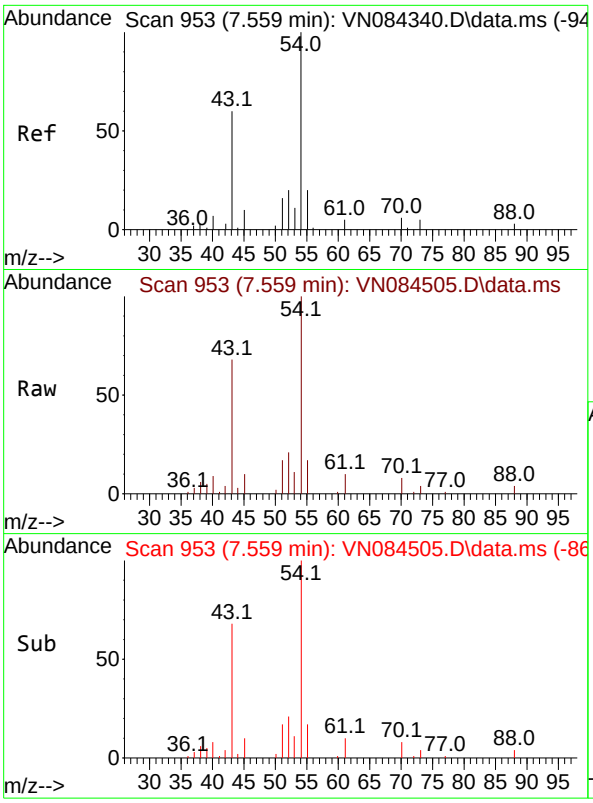


#42
Vinyl Acetate
Concen: 87.789 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 524167

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7



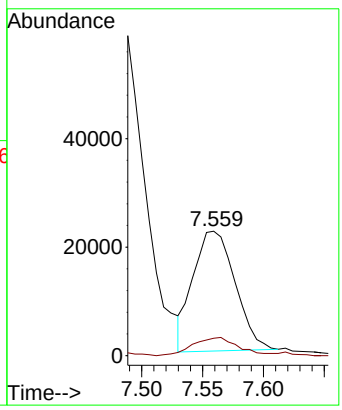


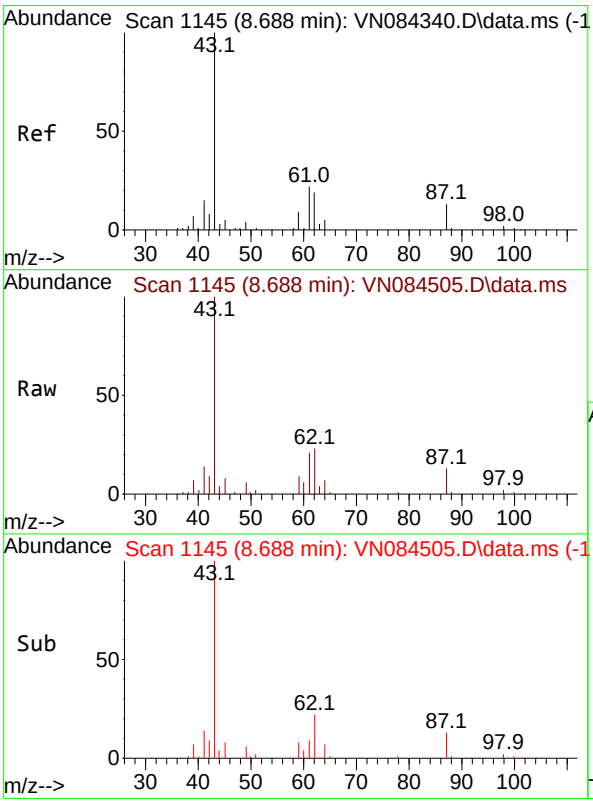
#43
Ethyl Acetate
Concen: 15.702 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 43 Resp: 53166

Ion	Ratio	Lower	Upper
43	100		
45	16.4	10.6	16.0#

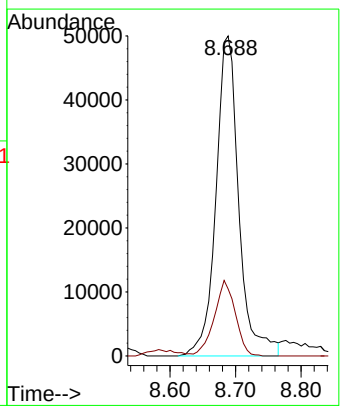


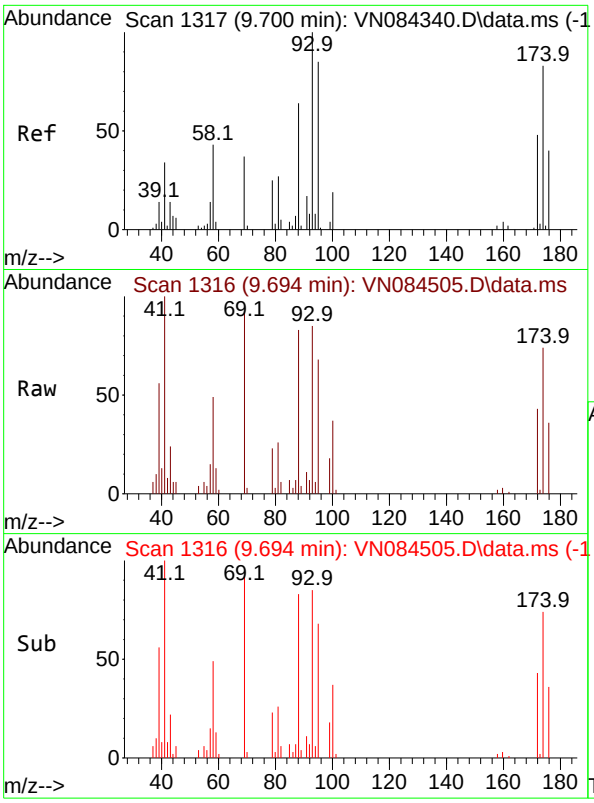


#44
Isopropyl Acetate
Concen: 21.839 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 121028

Ion	Ratio	Lower	Upper
43	100		
61	21.7	21.4	32.2



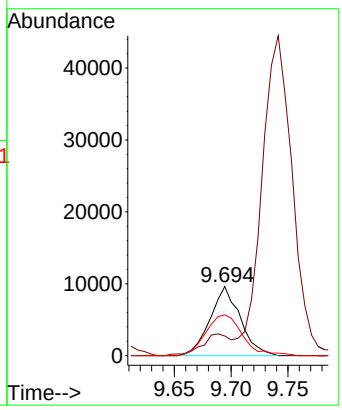


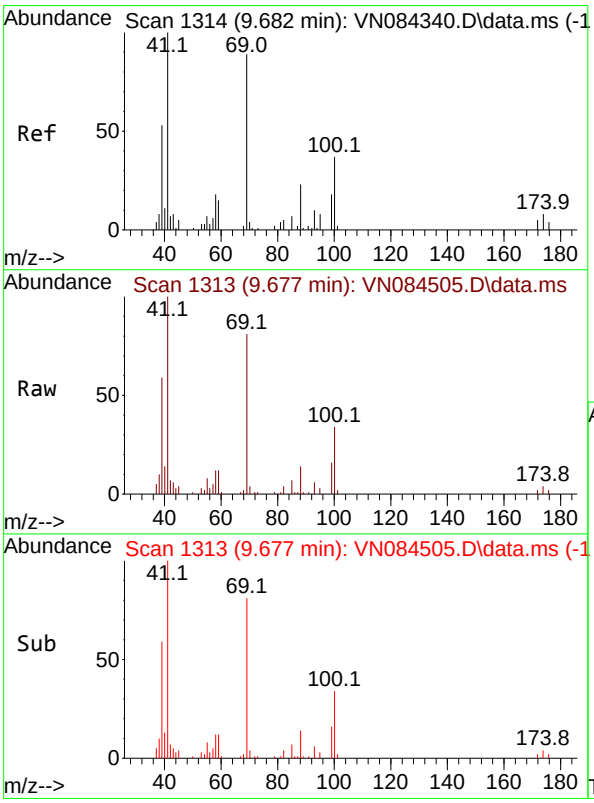
#45
1,4-Dioxane
Concen: 356.411 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 88 Resp: 17805

Ion	Ratio	Lower	Upper
88	100		
43	24.7	22.4	33.6
58	71.6	59.7	89.5

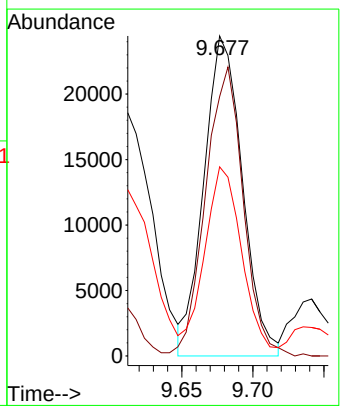


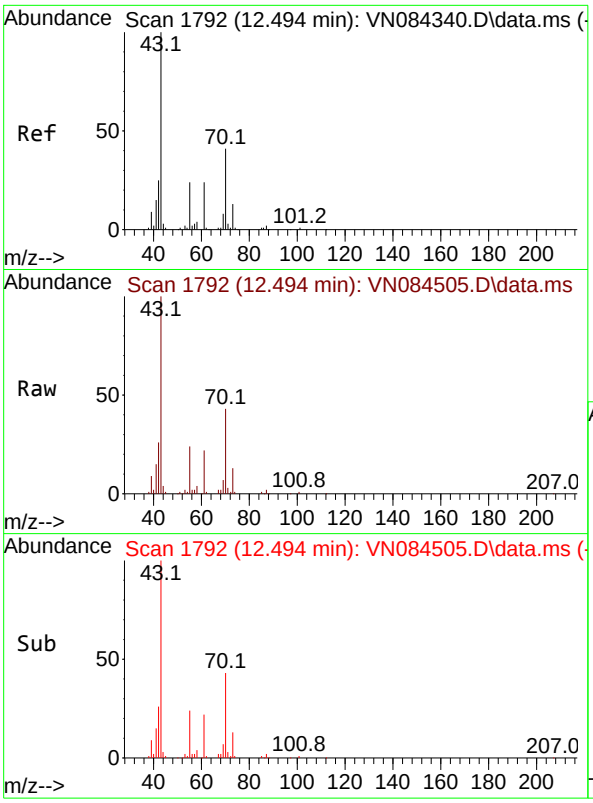


#46
Methyl methacrylate
Concen: 17.222 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 41 Resp: 46112

Ion	Ratio	Lower	Upper
41	100		
69	81.7	42.6	128.0
39	58.9	27.5	82.4



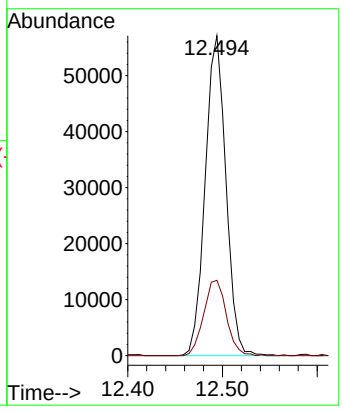


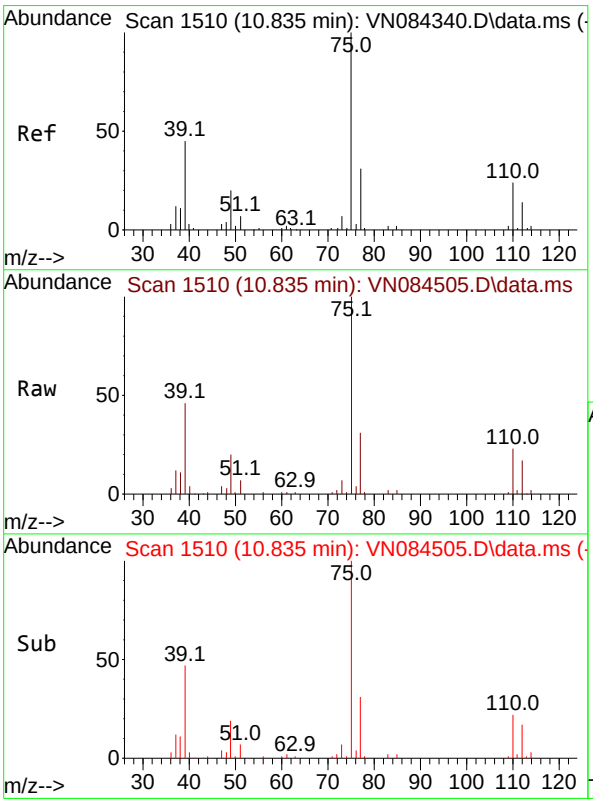
#47
n-amyl Acetate
Concen: 17.612 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 43 Resp: 86813

Ion	Ratio	Lower	Upper
43	100		
55	25.8	20.6	31.0

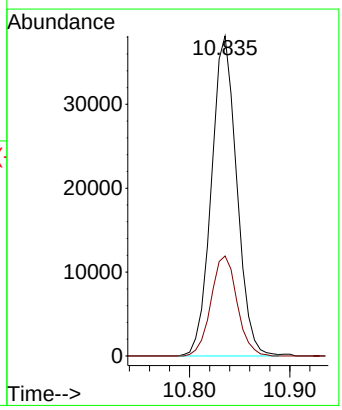


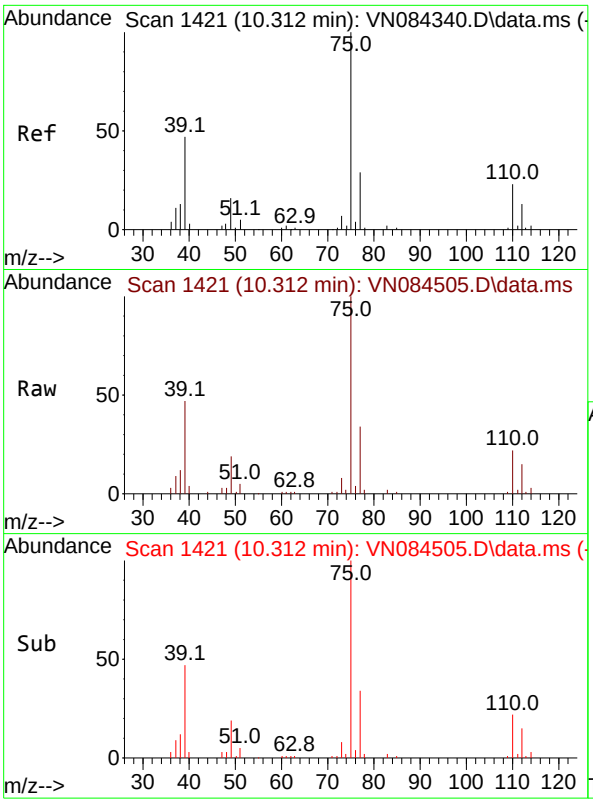


#48
t-1,3-Dichloropropene
Concen: 17.755 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 67004

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	37.0



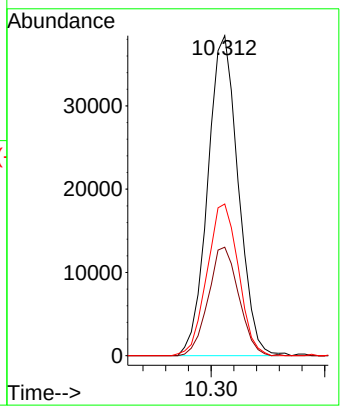


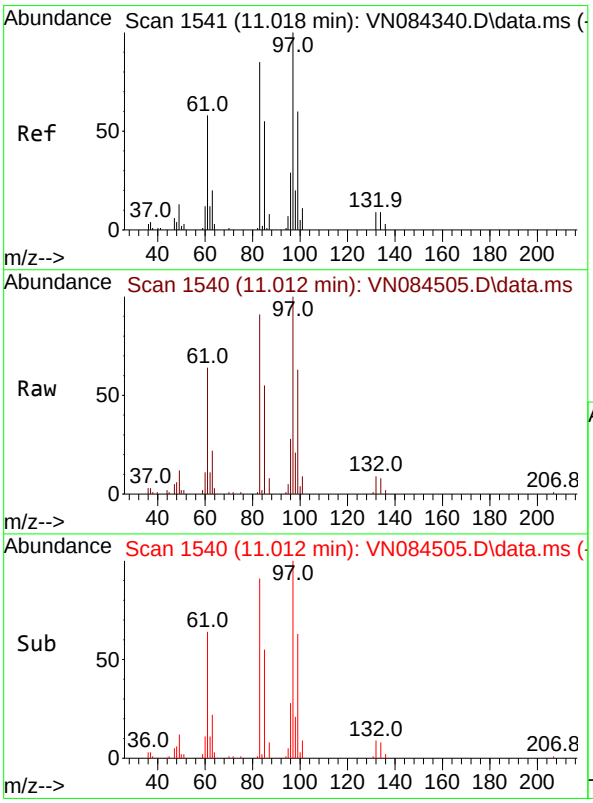
#49
cis-1,3-Dichloropropene
Concen: 18.112 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 75 Resp: 71632

Ion	Ratio	Lower	Upper
75	100		
77	33.9	22.9	34.3
39	47.4	37.4	56.2

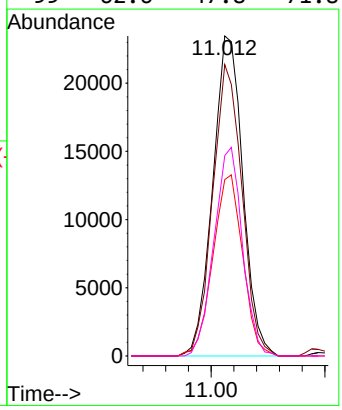


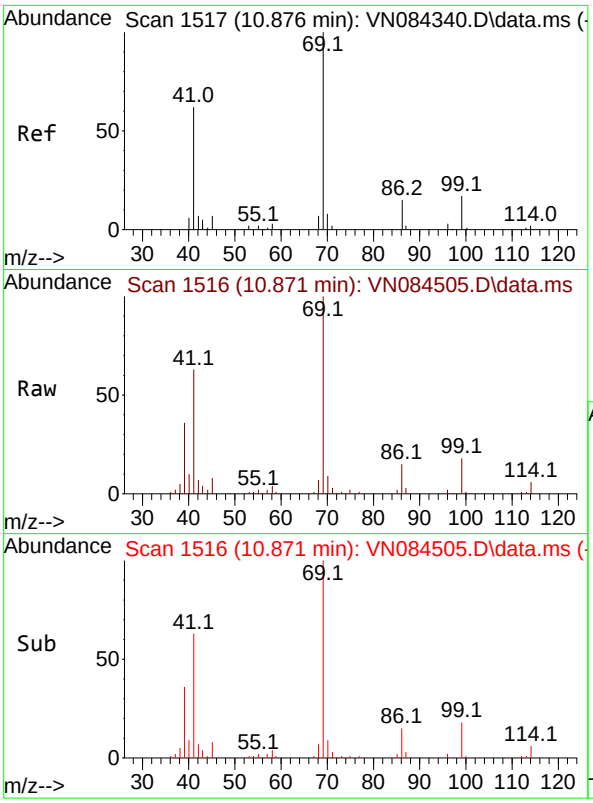


#50
1,1,2-Trichloroethane
Concen: 18.654 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 97 Resp: 43132

Ion	Ratio	Lower	Upper
97	100		
83	91.1	67.8	101.8
85	55.1	44.2	66.2
99	62.6	47.8	71.8



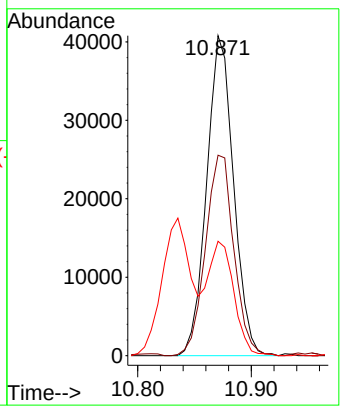


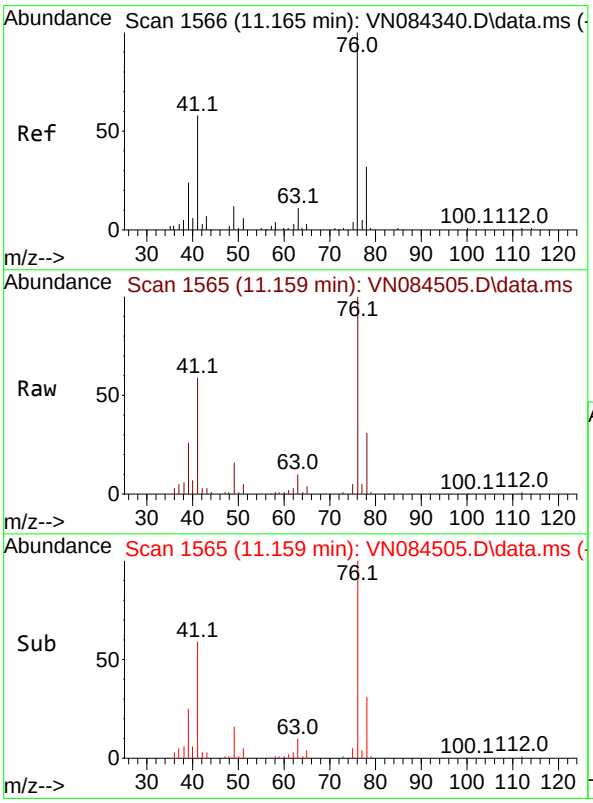
#51
Ethyl methacrylate
Concen: 17.595 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 69 Resp: 67198

Ion	Ratio	Lower	Upper
69	100		
41	62.6	30.9	92.7
39	35.8	16.6	49.7

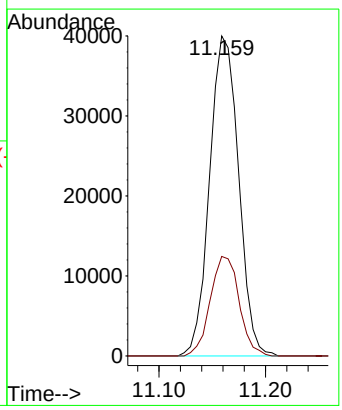


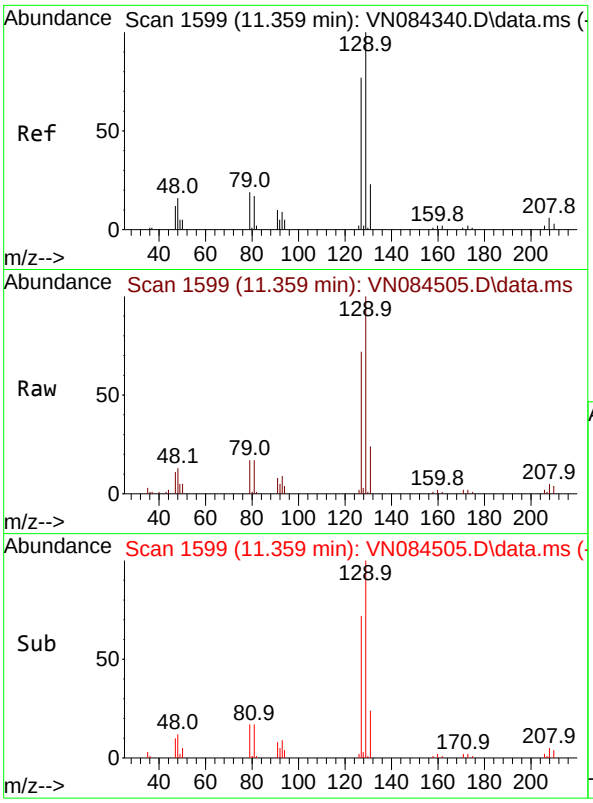


#52
1,3-Dichloropropane
Concen: 18.688 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 76 Resp: 75556

Ion	Ratio	Lower	Upper
76	100		
78	31.0	0.0	64.2



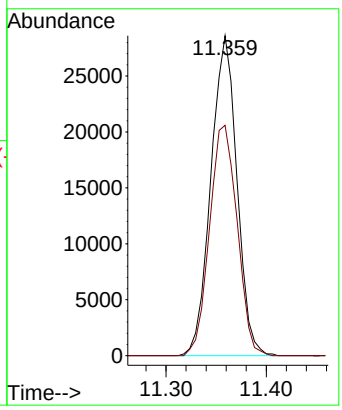


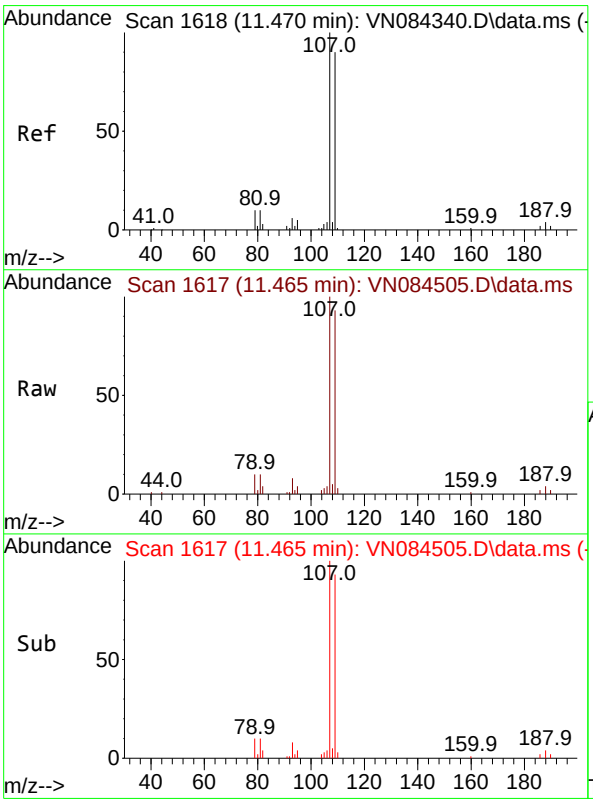
#53
Dibromochloromethane
Concen: 18.898 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:129 Resp: 51619

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5

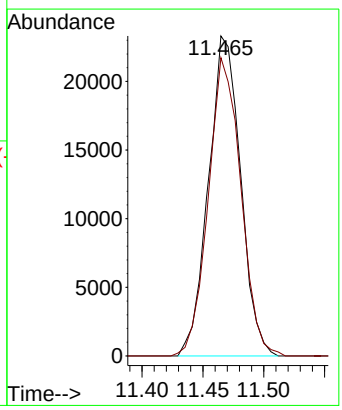


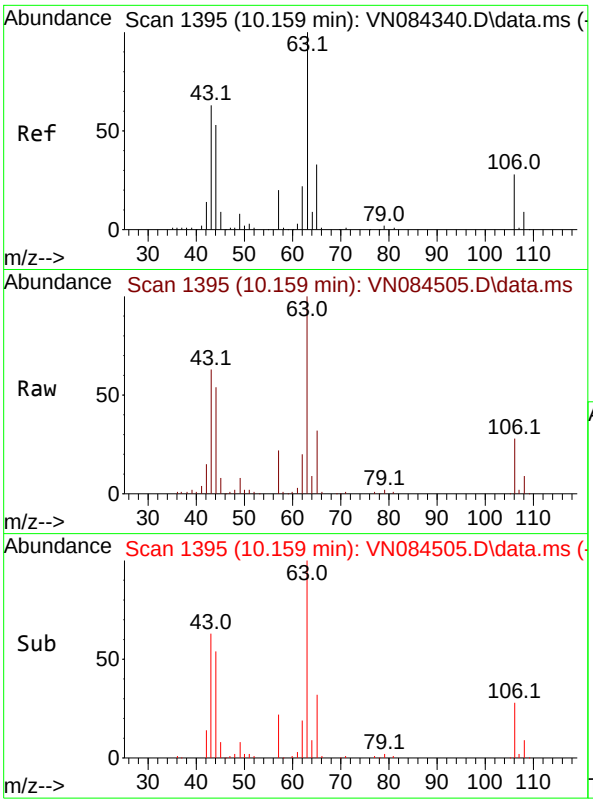


#54
1,2-Dibromoethane
Concen: 17.984 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:107 Resp: 42803

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.6



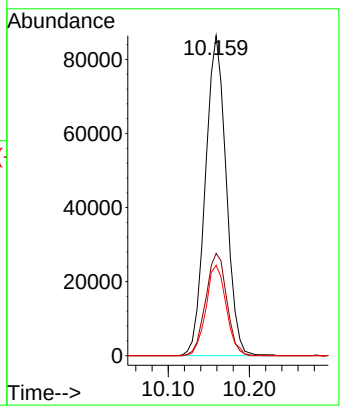


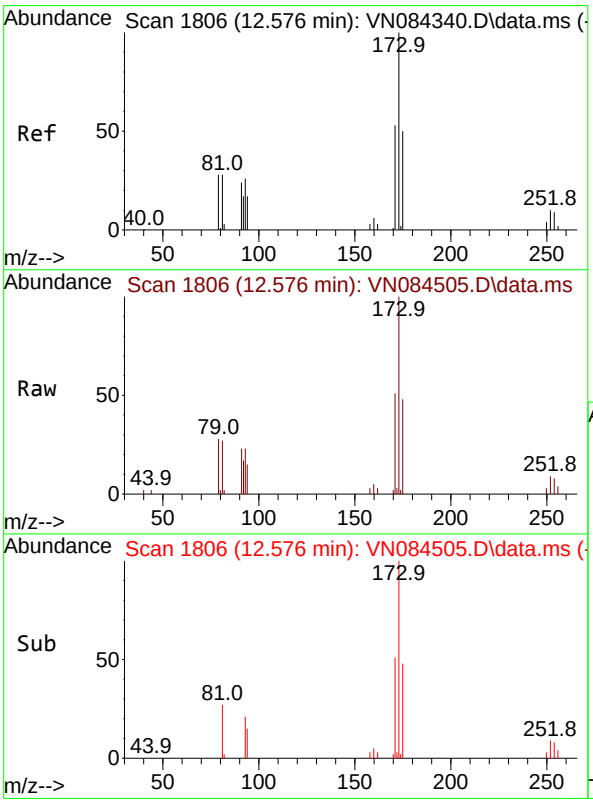
#55
2-Chloroethyl vinyl ether
Concen: 88.521 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 63 Resp: 153339

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	27.7	21.6	32.4

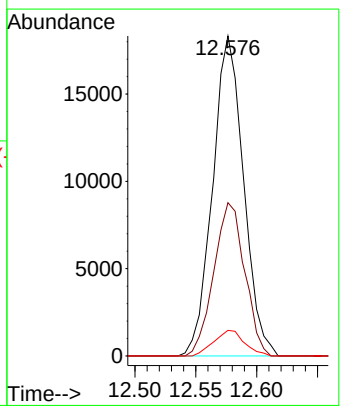


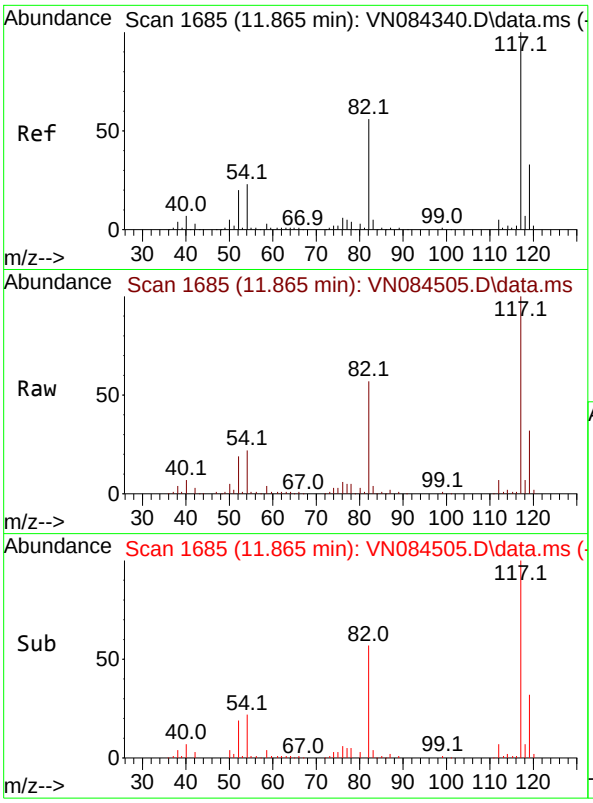


#56
Bromoform
Concen: 17.883 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:173 Resp: 32397

Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.4	59.2
254	7.9	6.8	10.2



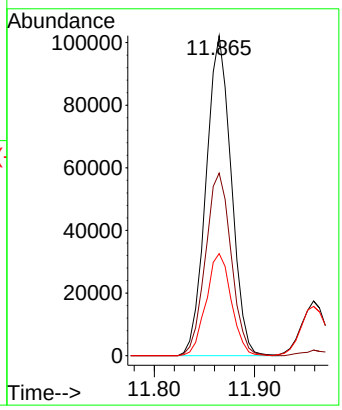


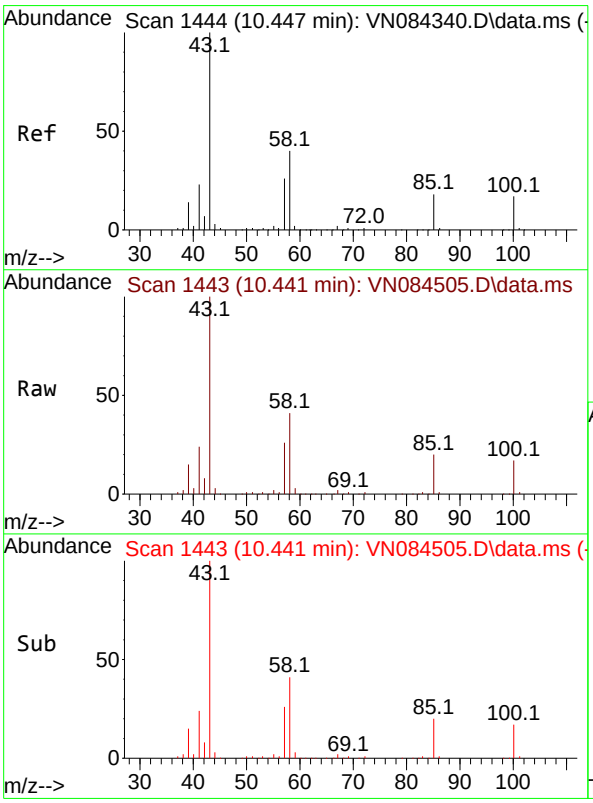
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:117 Resp: 178483

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	31.8	25.4	38.2

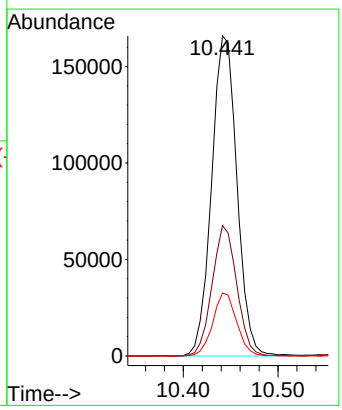


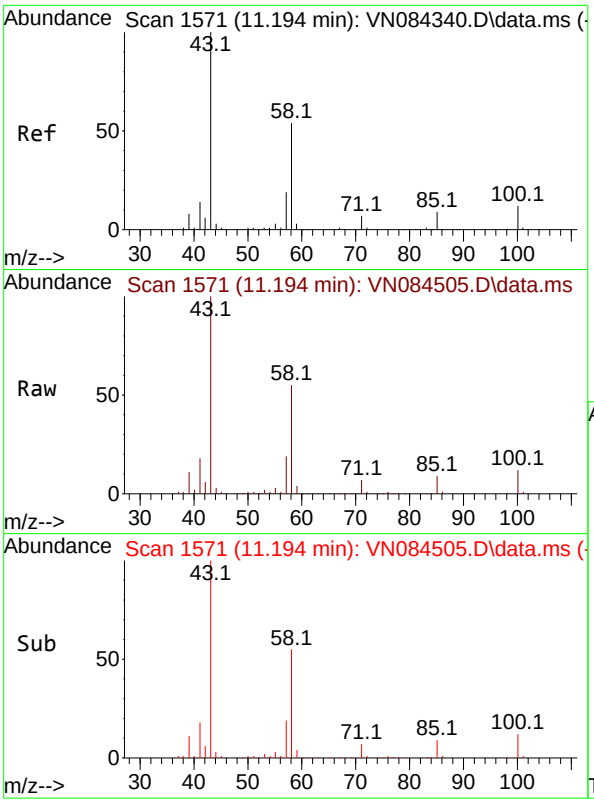


#58
4-Methyl-2-Pentanone
Concen: 92.625 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 43 Resp: 307964

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9
85	18.6	14.6	22.0



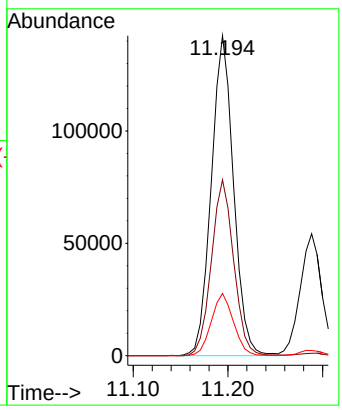


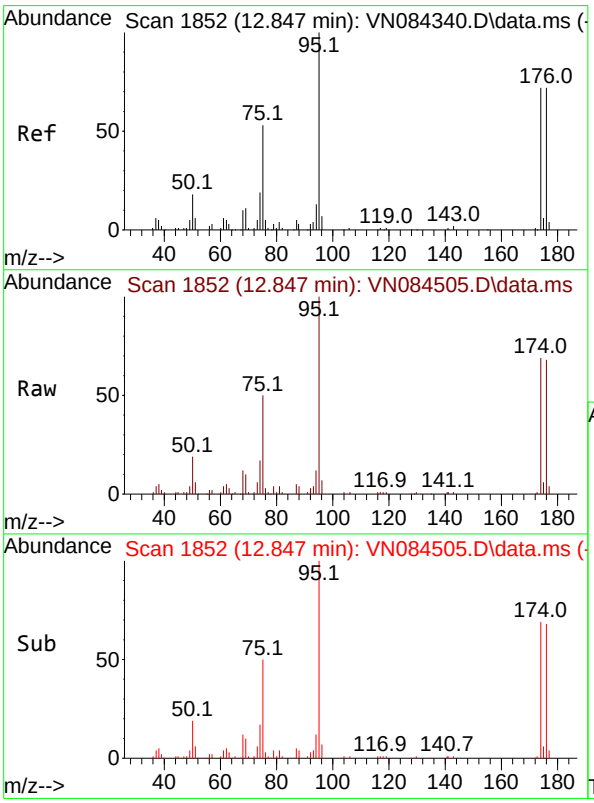
#59
2-Hexanone
Concen: 94.363 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 43 Resp: 233137

Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.0	66.0
57	19.4	15.4	23.2

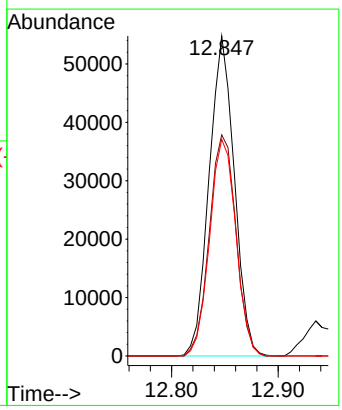


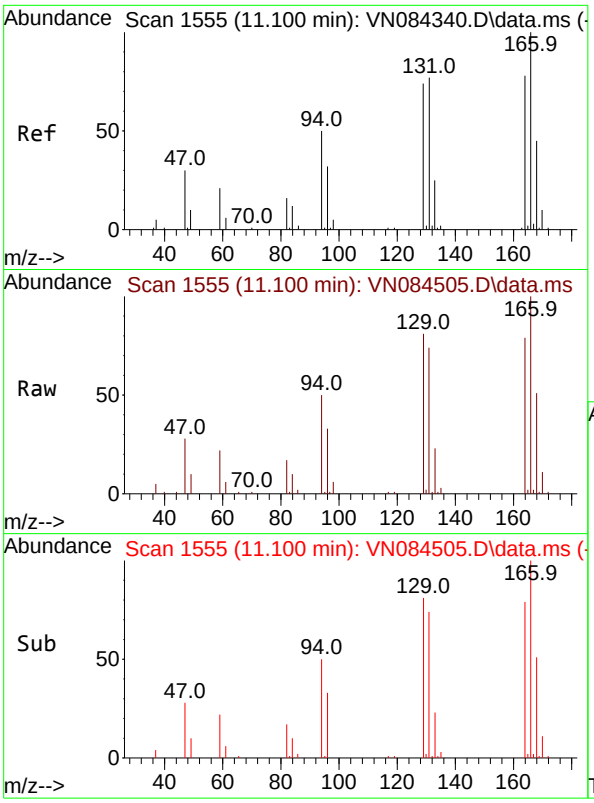


#60
4-Bromofluorobenzene
Concen: 30.625 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 95 Resp: 90213

Ion	Ratio	Lower	Upper
95	100		
174	72.8	58.2	87.2
176	70.3	56.4	84.6



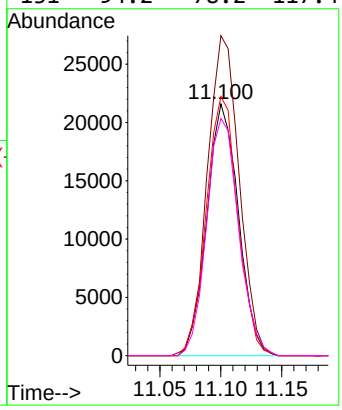


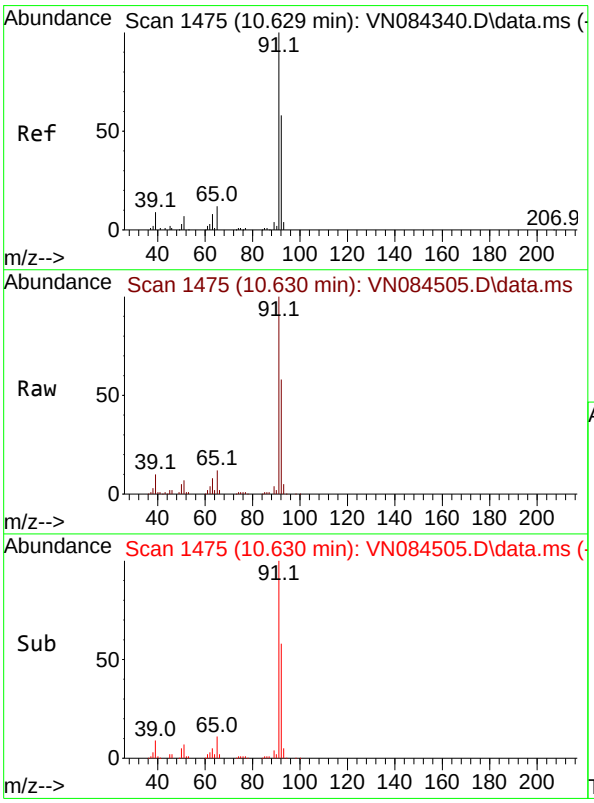
#61
Tetrachloroethene
Concen: 19.296 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:164 Resp: 38956

Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.5	153.7
129	103.0	75.7	113.5
131	94.2	78.2	117.4

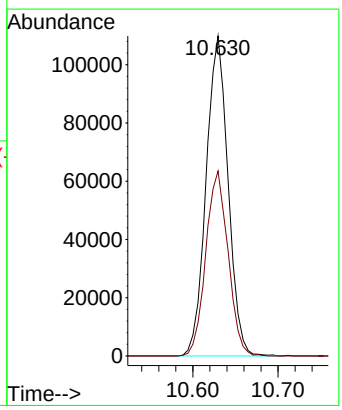


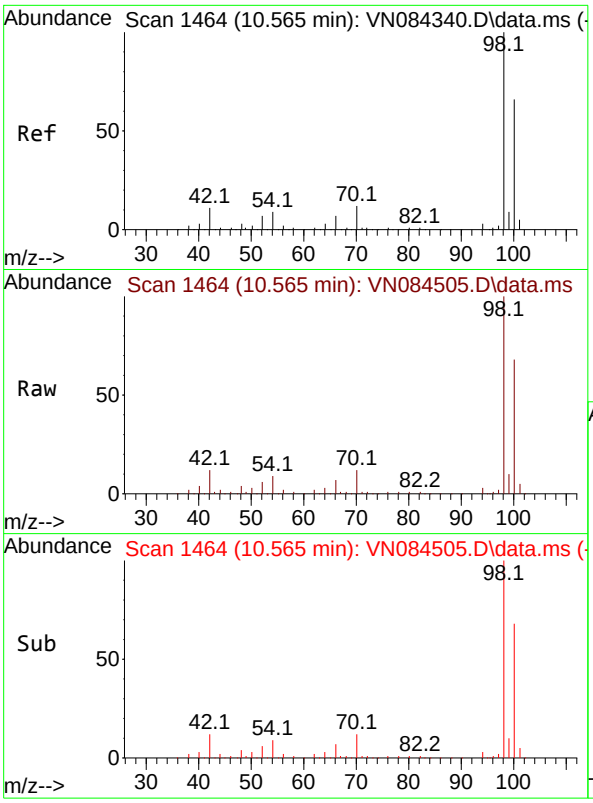


#62
Toluene
Concen: 18.818 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 196630

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.2	70.8



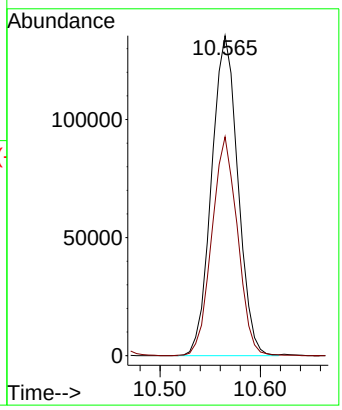


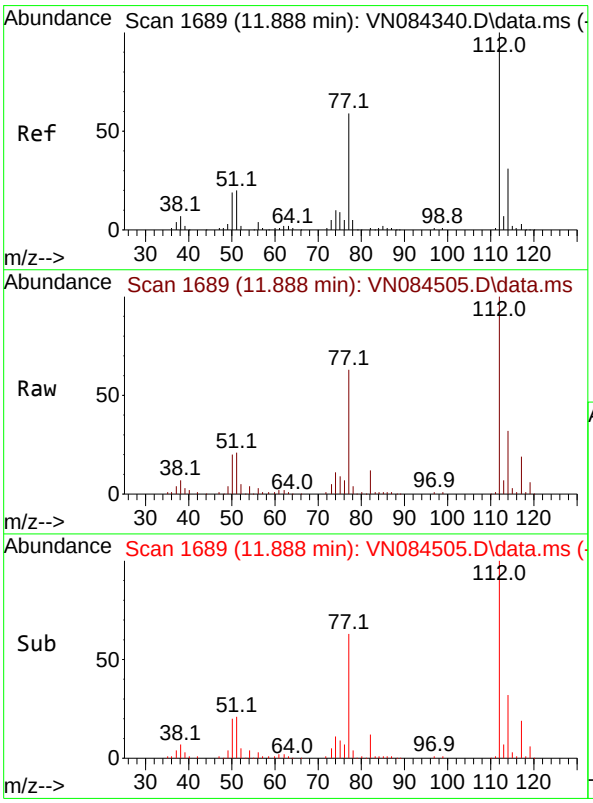
#63
Toluene-d8
Concen: 29.883 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 98 Resp: 247087

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.5	78.7

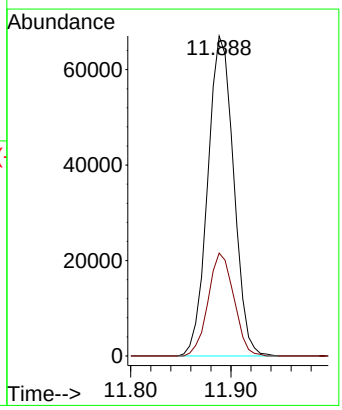


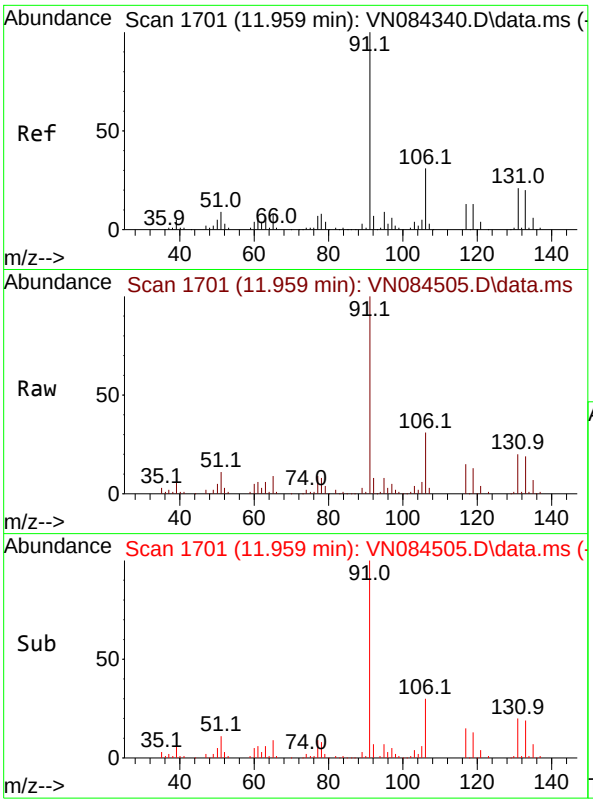


#64
Chlorobenzene
Concen: 18.545 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:112 Resp: 120580

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7



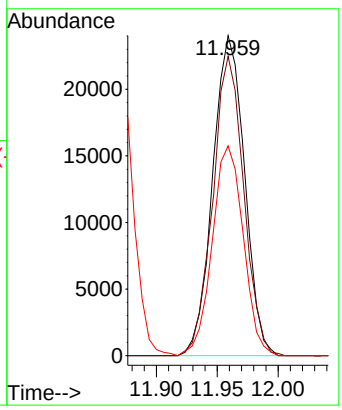


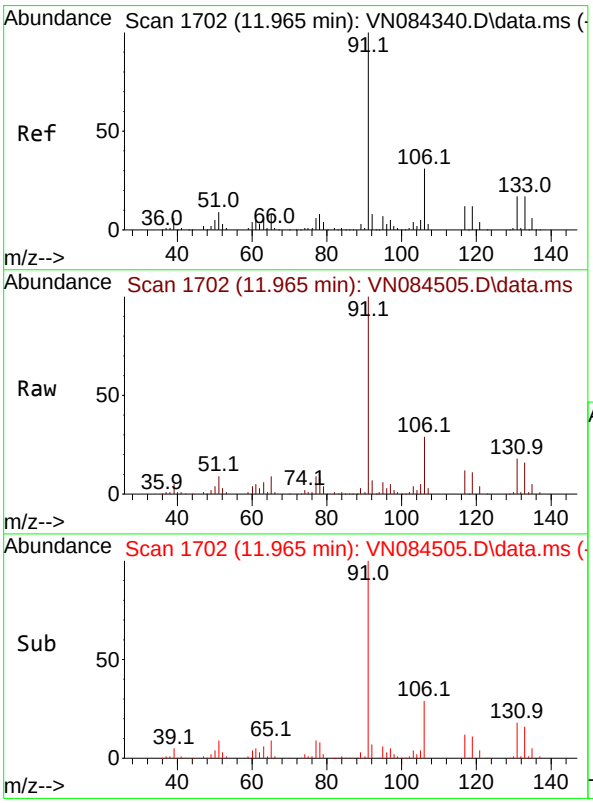
#65
1,1,1,2-Tetrachloroethane
Concen: 19.294 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:131 Resp: 43584

Ion	Ratio	Lower	Upper
131	100		
133	91.4	0.0	190.4
119	64.1	0.0	130.0

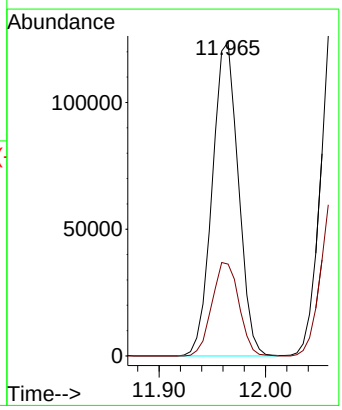


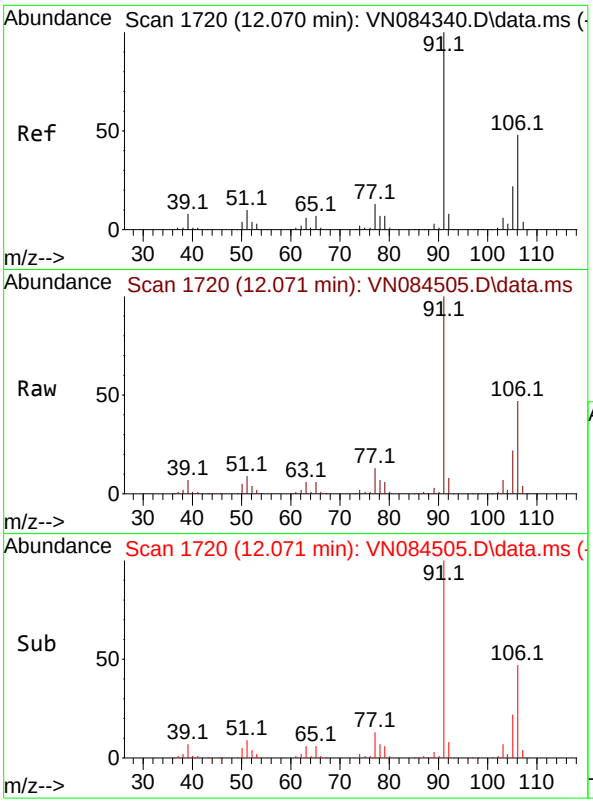


#66
Ethyl Benzene
Concen: 18.569 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 210798

Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.2	37.8



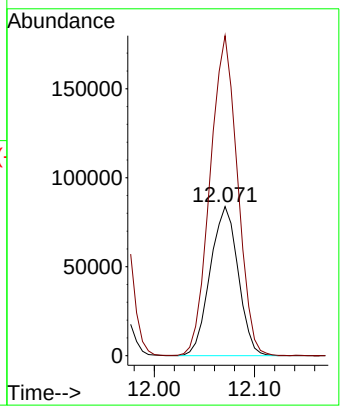


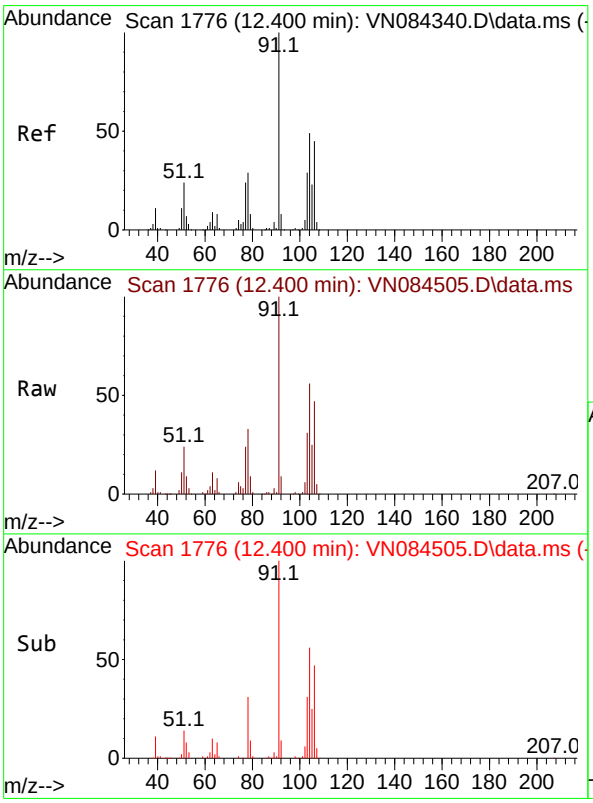
#67
m/p-Xylenes
Concen: 37.626 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:106 Resp: 162032

Ion	Ratio	Lower	Upper
106	100		
91	210.7	166.7	250.1

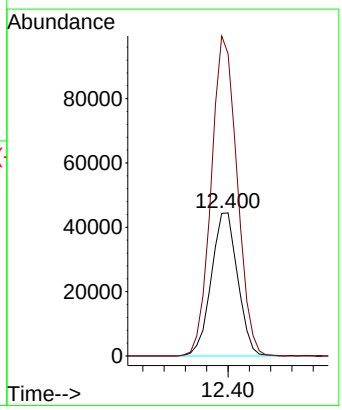


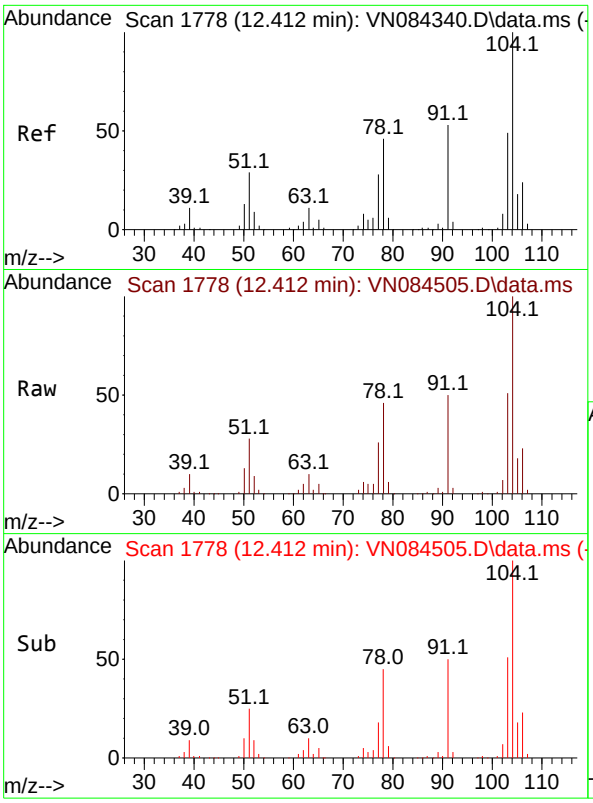


#68
o-Xylene
Concen: 18.426 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:106 Resp: 76484

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.9	332.9



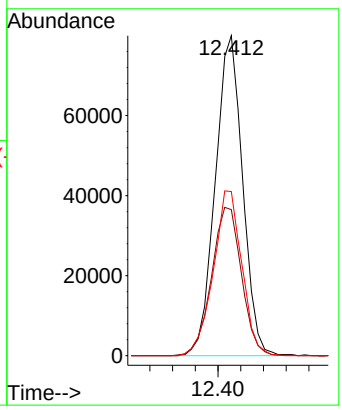


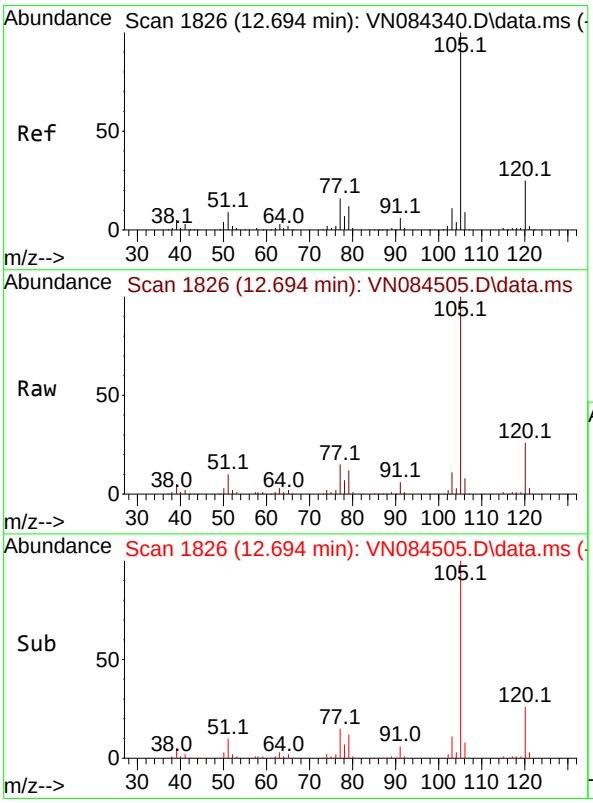
#69
Styrene
Concen: 18.768 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:104 Resp: 133735

Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.6	62.4
103	53.9	44.4	66.6

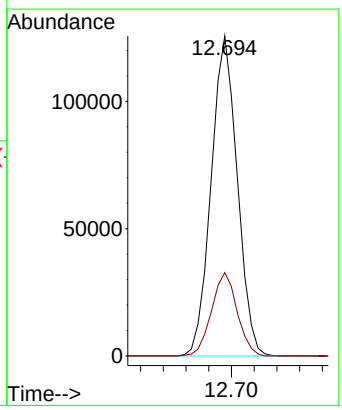


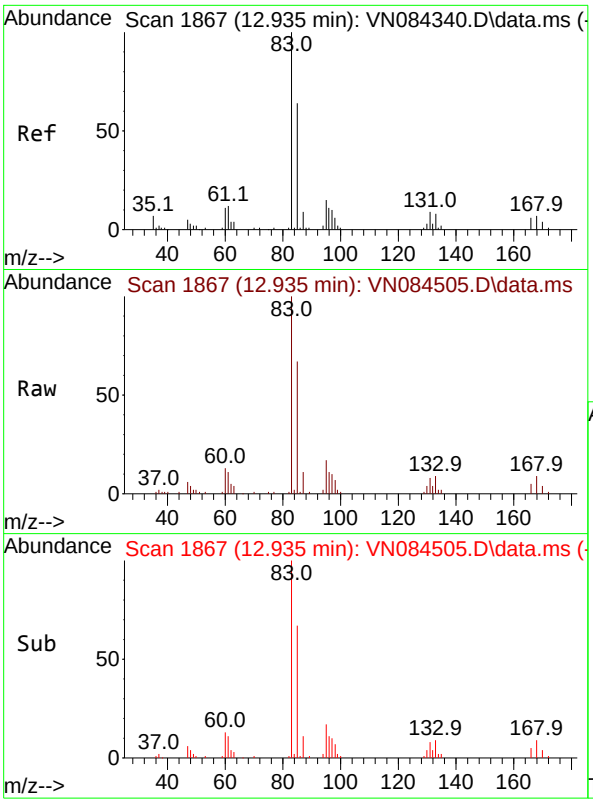


#70
Isopropylbenzene
Concen: 18.952 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 200837

Ion	Ratio	Lower	Upper
105	100		
120	25.5	17.4	32.4



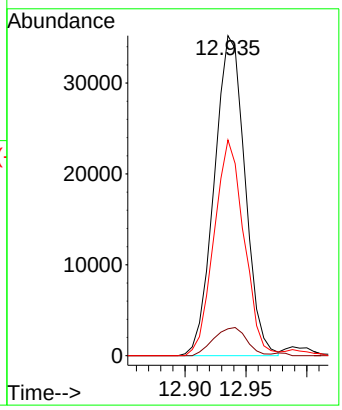


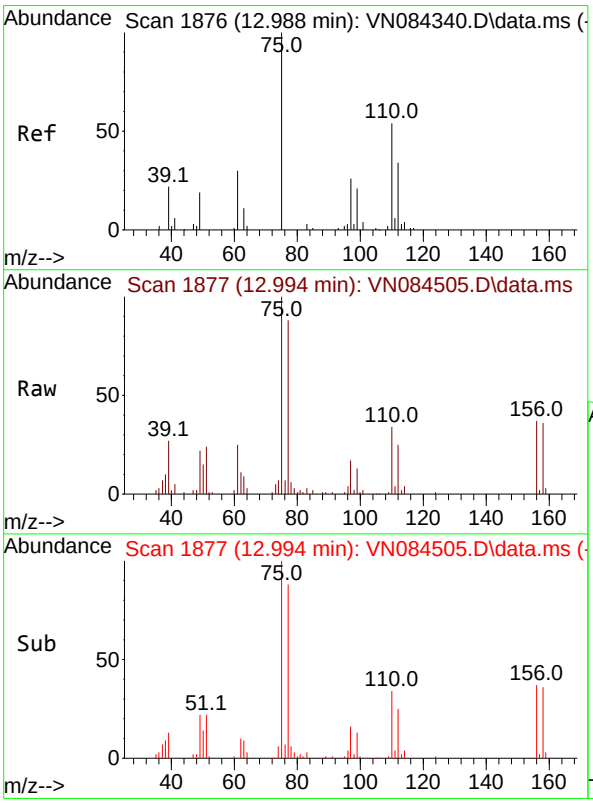
#71
1,1,2,2-Tetrachloroethane
Concen: 18.874 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 83 Resp: 61873

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.3
85	65.8	32.0	96.2

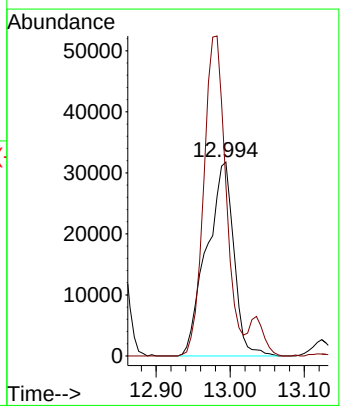


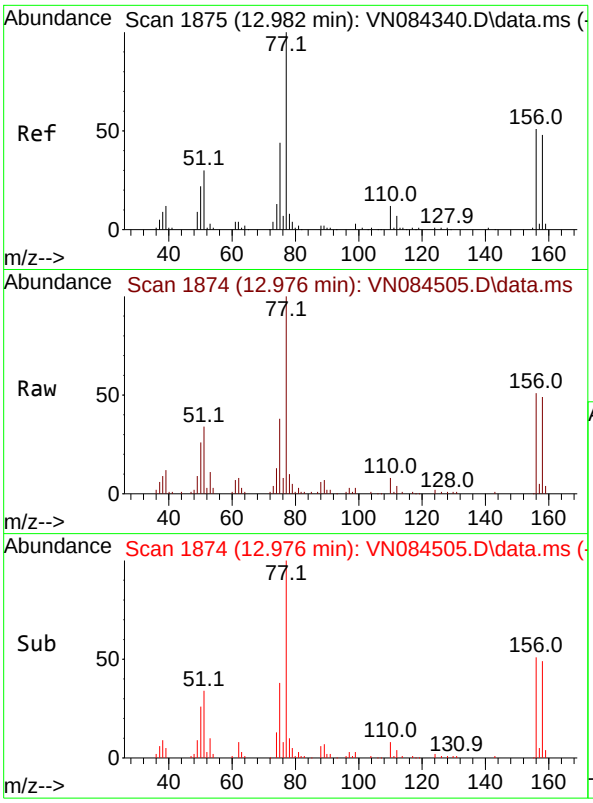


#72
1,2,3-Trichloropropane
Concen: 28.811 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 80886

Ion	Ratio	Lower	Upper
75	100		
77	133.9	0.0	414.0



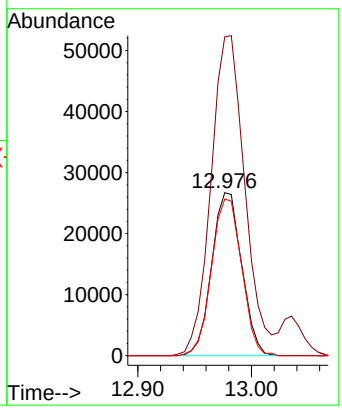


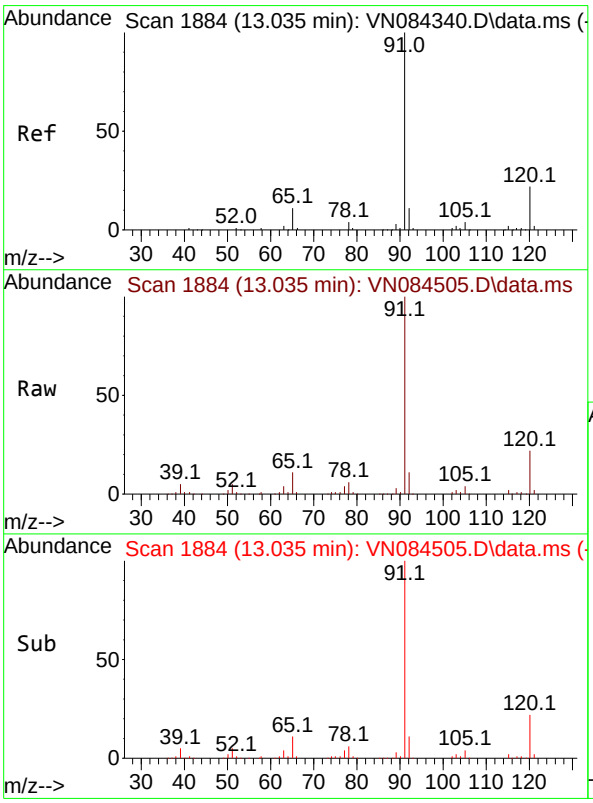
#73
Bromobenzene
Concen: 19.075 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:156 Resp: 48953

Ion	Ratio	Lower	Upper
156	100		
77	221.3	0.0	451.0
158	96.7	0.0	194.6

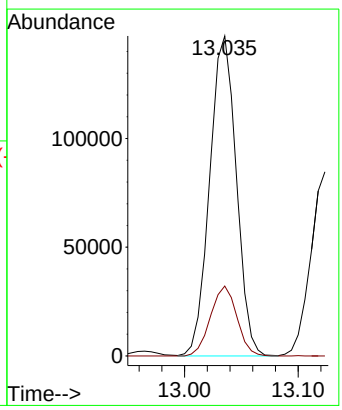


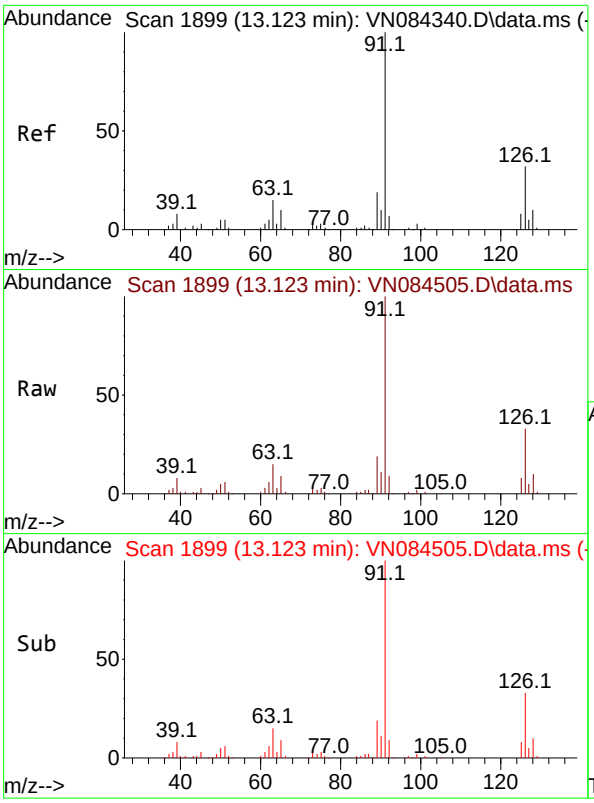


#74
n-propylbenzene
Concen: 19.004 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 239983

Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.2



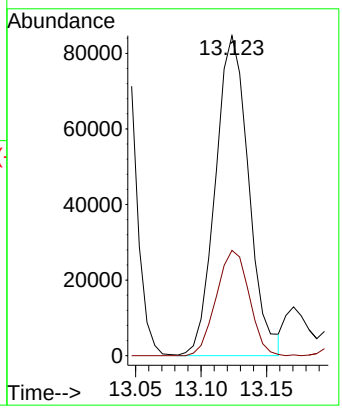


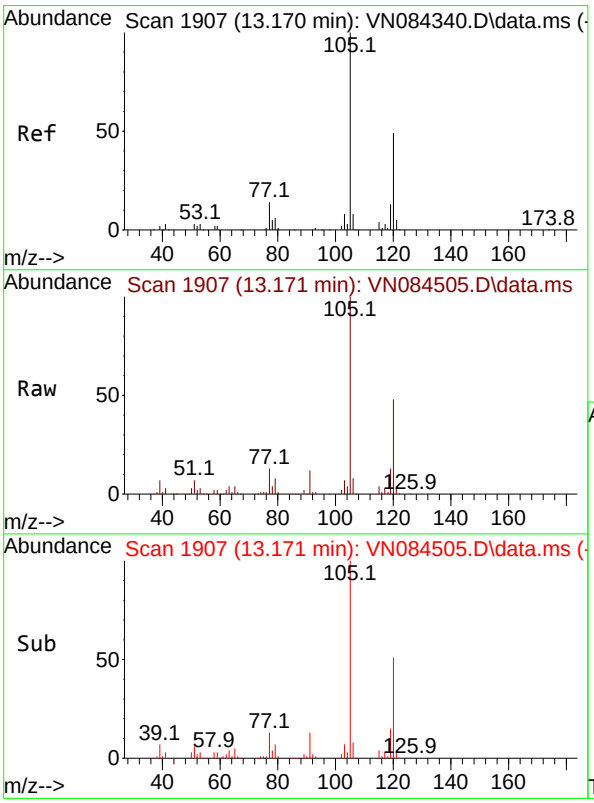
#75
2-Chlorotoluene
Concen: 19.035 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 91 Resp: 149369

Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	64.0

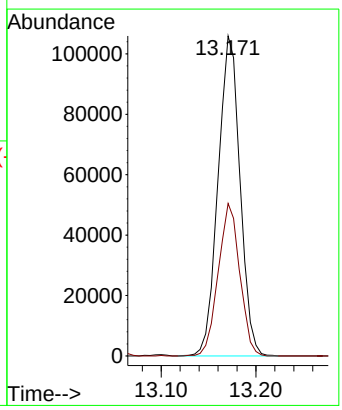


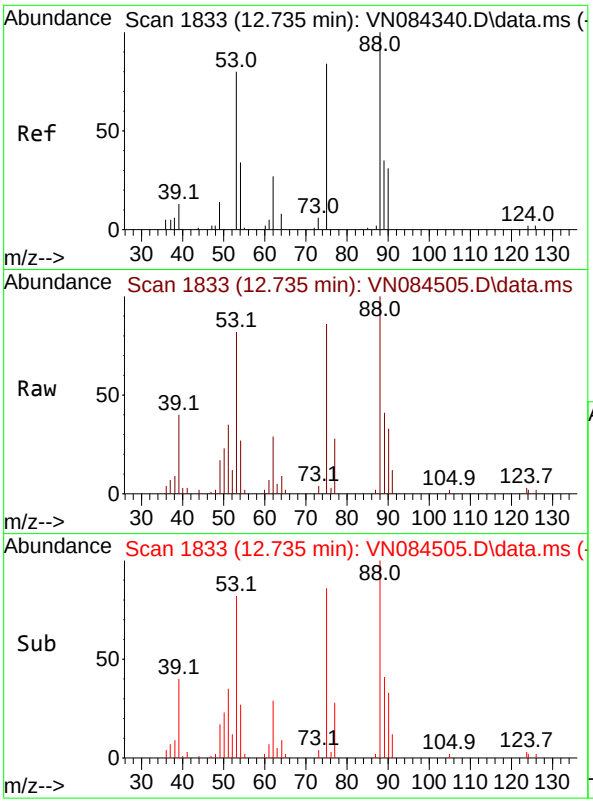


#76
1,3,5-Trimethylbenzene
Concen: 19.133 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 170711

Ion	Ratio	Lower	Upper
105	100		
120	46.7	0.0	94.4



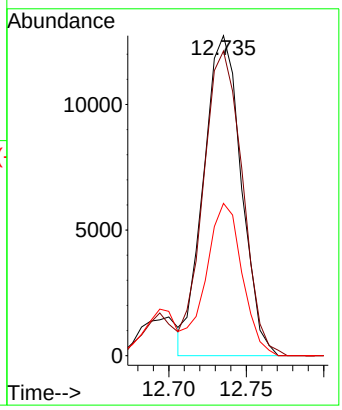


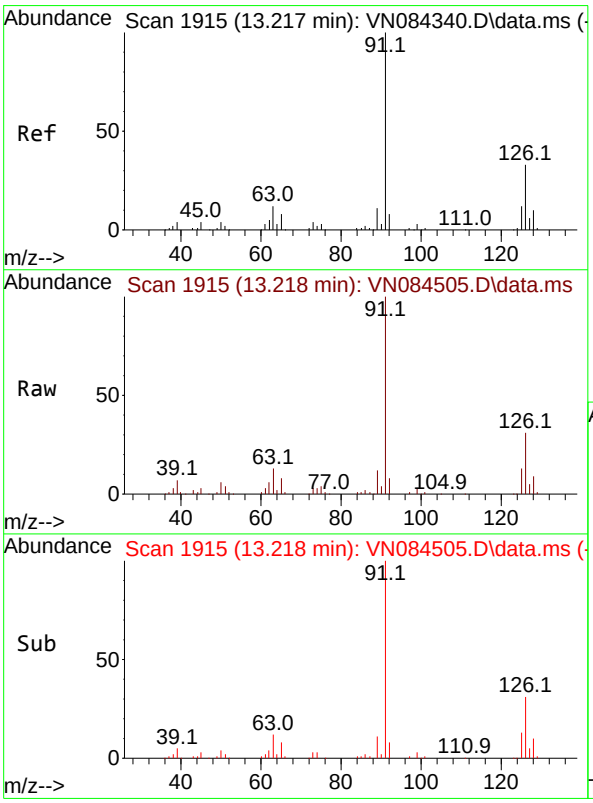
#77
t-1,4-Dichloro-2-butene
Concen: 17.960 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 75 Resp: 21547

Ion	Ratio	Lower	Upper
75	100		
53	93.5	47.3	142.0
89	47.6	22.9	68.8

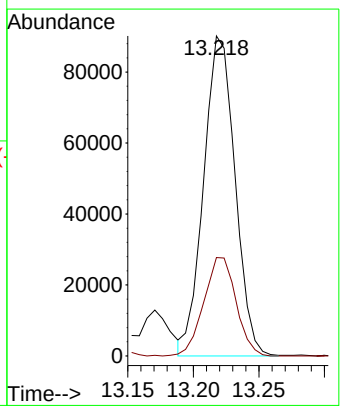


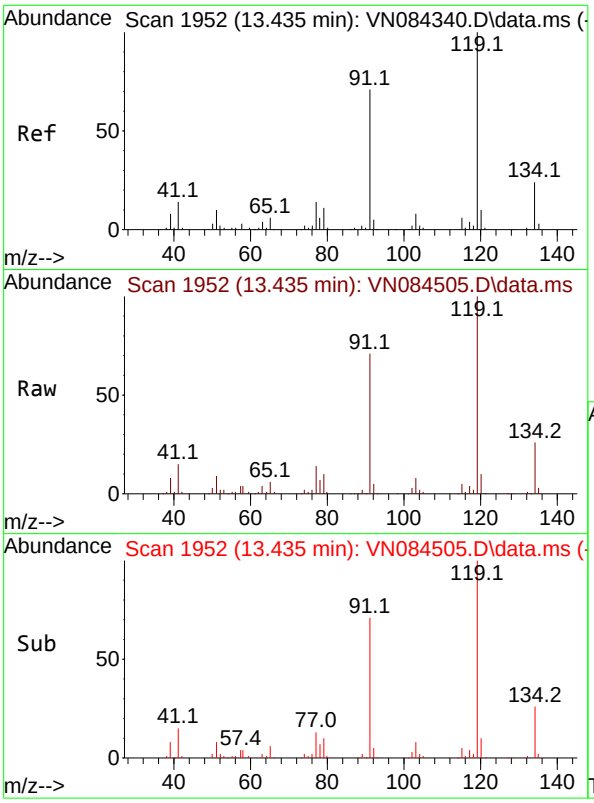


#78
4-Chlorotoluene
Concen: 18.839 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 91 Resp: 150297

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	62.4



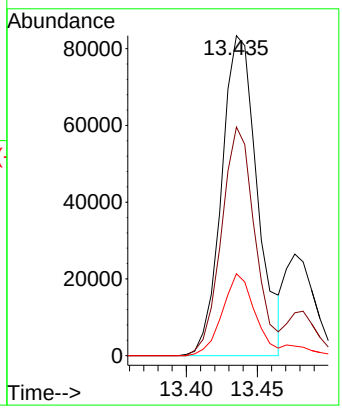


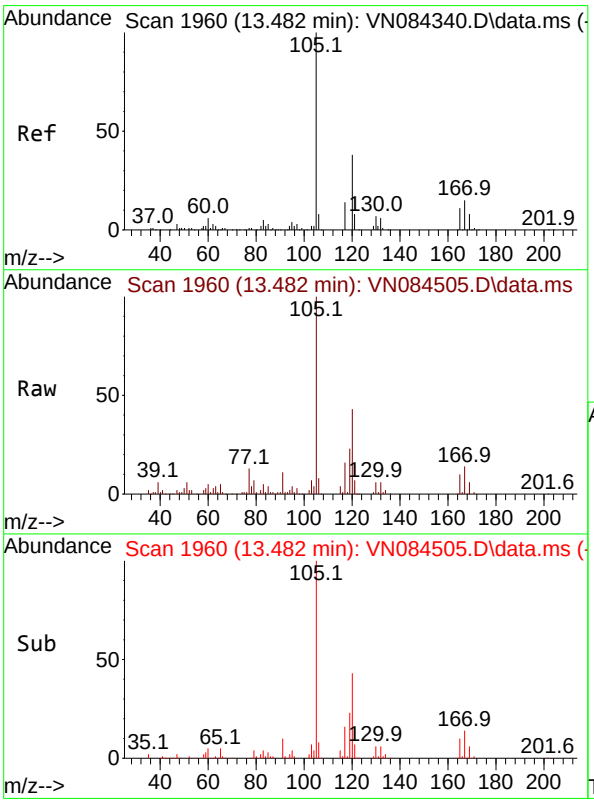
#79
tert-butylbenzene
Concen: 19.156 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:119 Resp: 145820

Ion	Ratio	Lower	Upper
119	100		
91	67.2	0.0	138.0
134	23.4	0.0	48.8

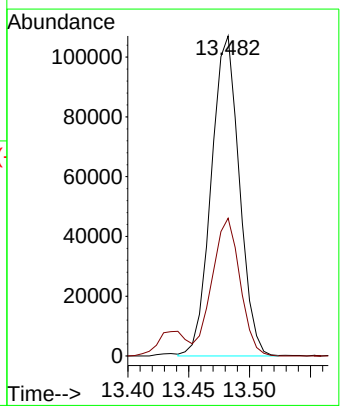


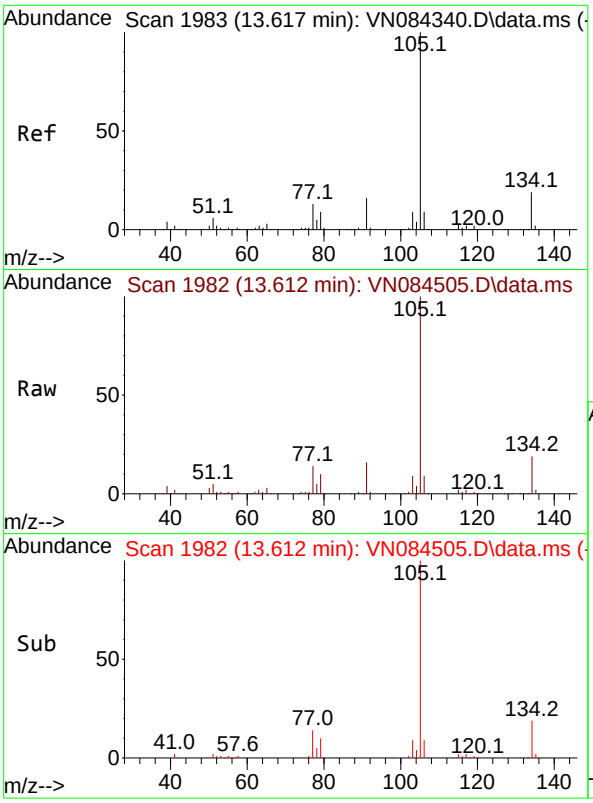


#80
1,2,4-Trimethylbenzene
Concen: 18.972 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:105 Resp: 171754

Ion	Ratio	Lower	Upper
105	100		
120	42.8	0.0	88.8



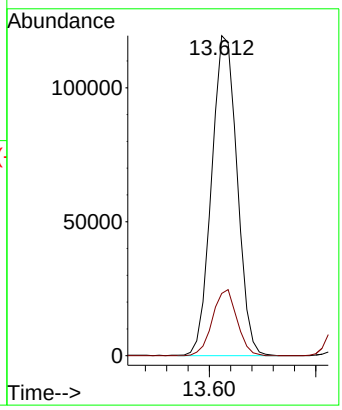


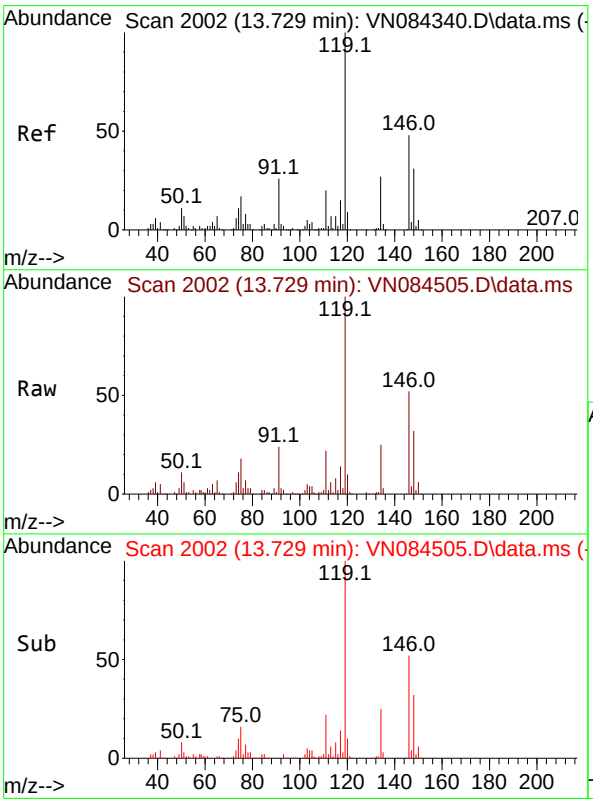
#81
sec-Butylbenzene
Concen: 18.971 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:105 Resp: 198811

Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	38.0

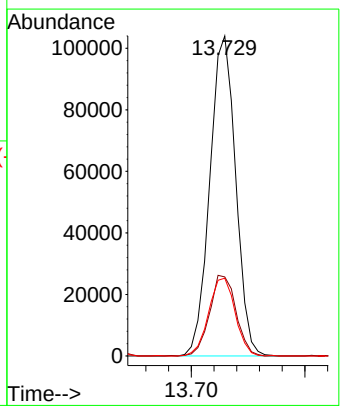


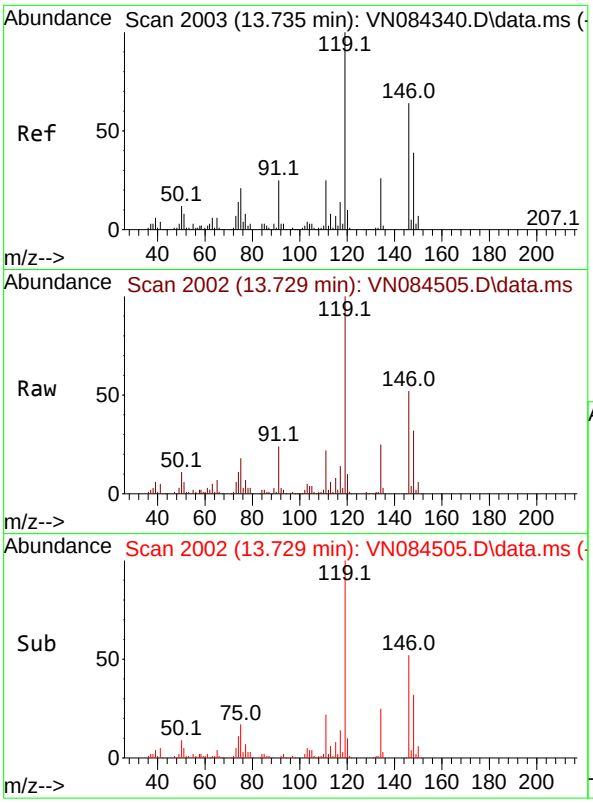


#82
p-Isopropyltoluene
Concen: 18.632 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:119 Resp: 164354

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	50.2
91	24.9	0.0	50.6



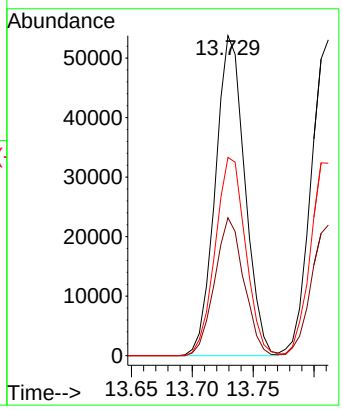


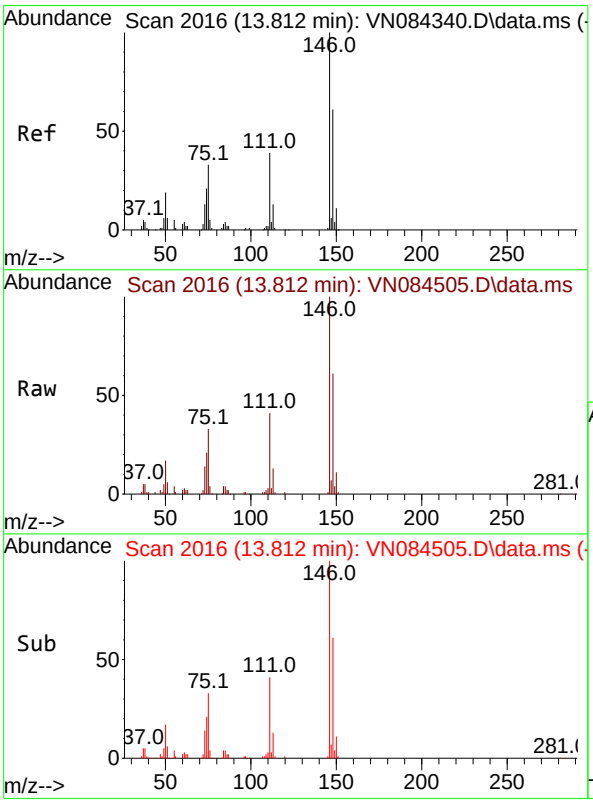
#83
1,3-Dichlorobenzene
Concen: 19.067 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:146 Resp: 90986

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.6	61.9
148	63.5	31.6	94.7

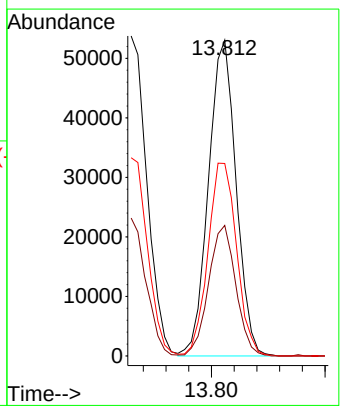


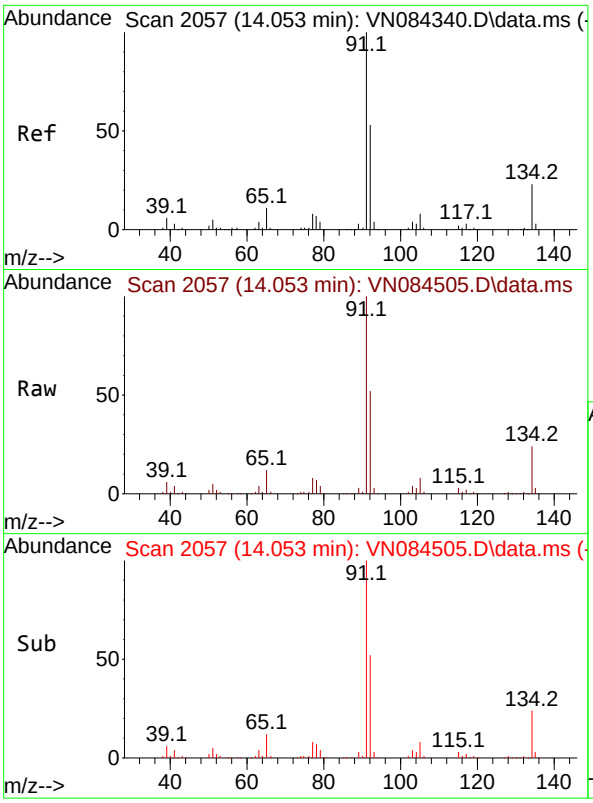


#84
1,4-Dichlorobenzene
Concen: 18.896 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:146 Resp: 89542

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	63.3	32.5	97.4



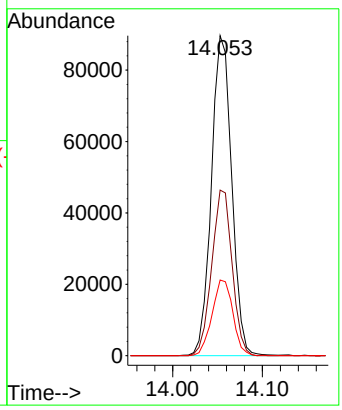


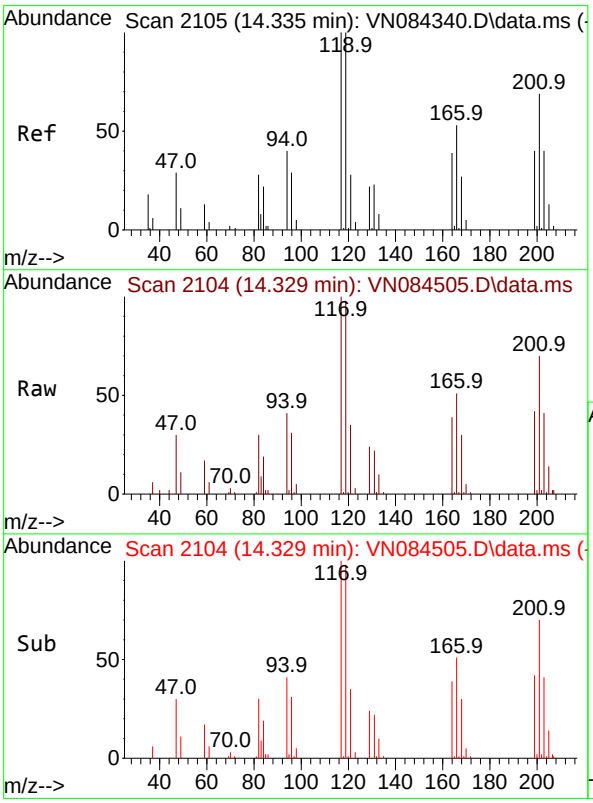
#85
n-Butylbenzene
Concen: 18.444 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion: 91 Resp: 140914

Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	103.4
134	24.3	0.0	48.0

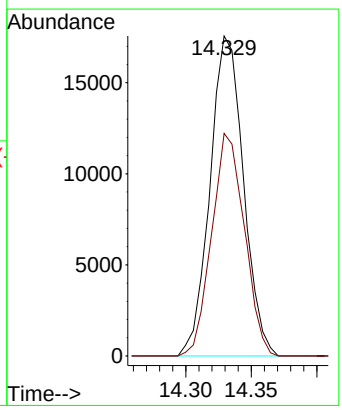


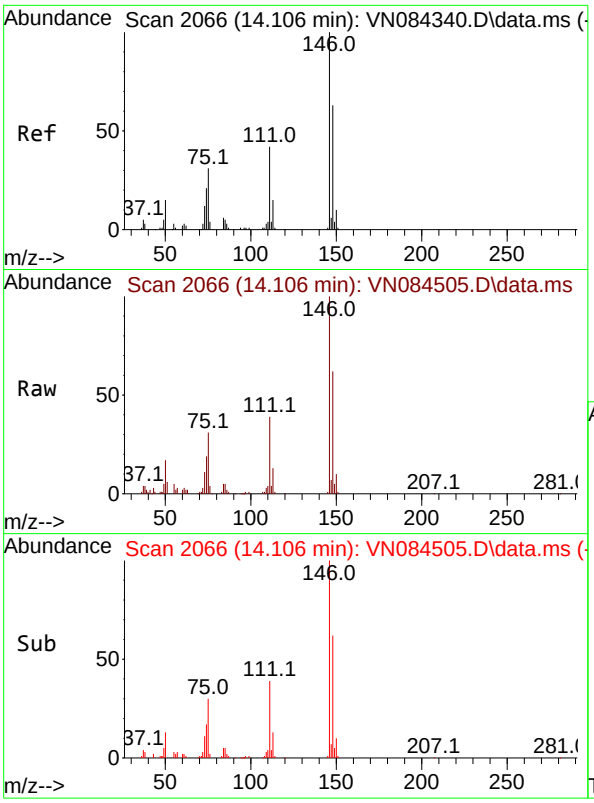


#86
Hexachloroethane
Concen: 18.323 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:117 Resp: 31139

Ion	Ratio	Lower	Upper
117	100		
201	68.0	33.9	101.6



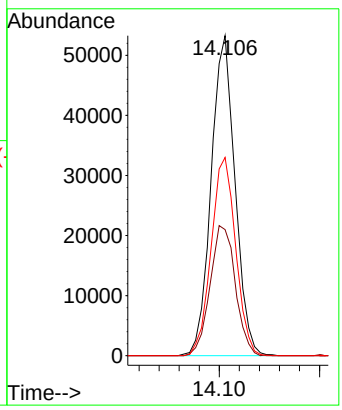


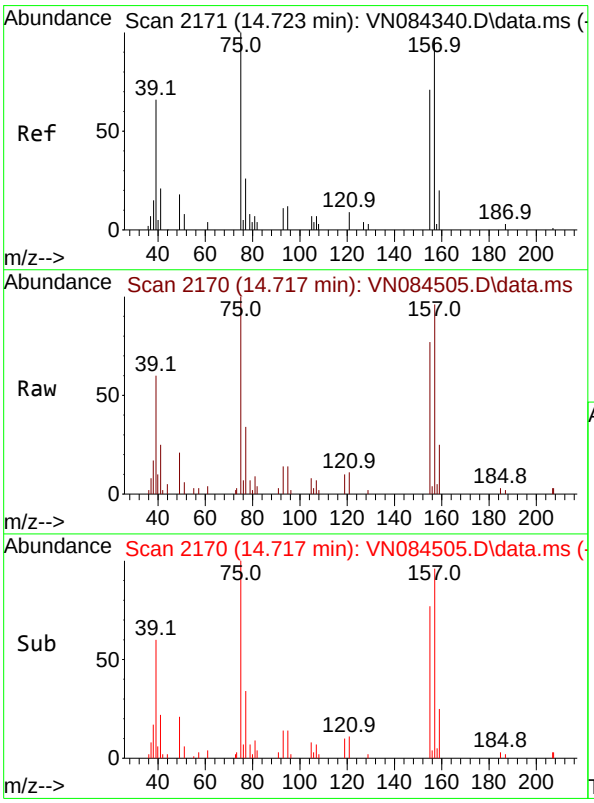
#87
1,2-Dichlorobenzene
Concen: 19.055 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:146 Resp: 87916

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.5
148	63.5	31.1	93.5

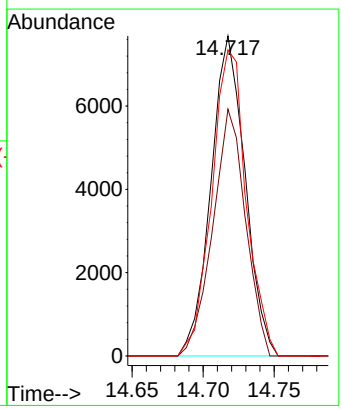


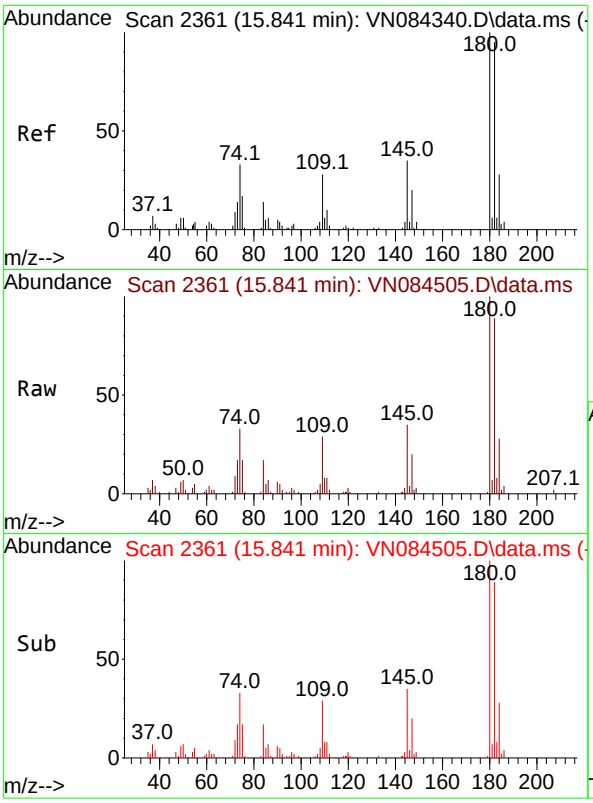


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.150 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion: 75 Resp: 12838

Ion	Ratio	Lower	Upper
75	100		
155	74.0	61.8	92.8
157	96.8	77.4	116.0



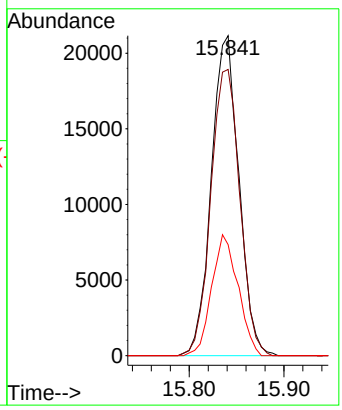


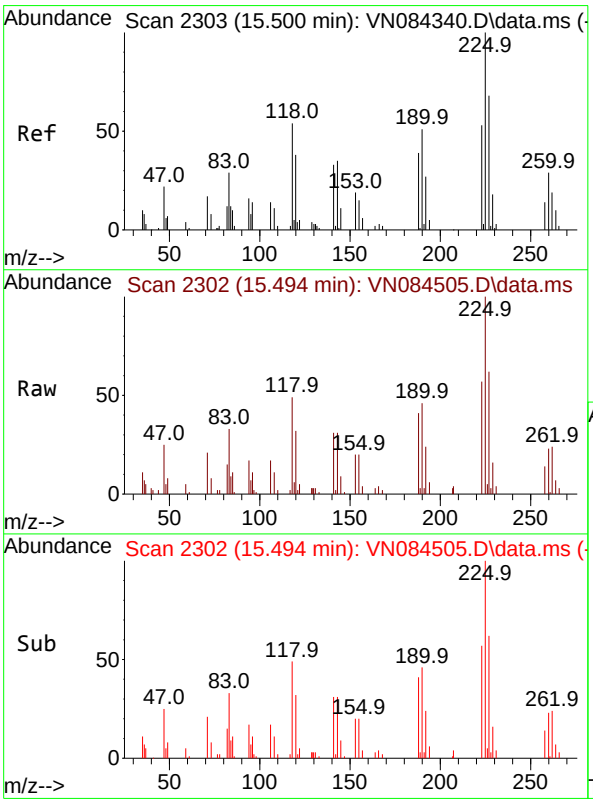
#89
1,2,4-Trichlorobenzene
Concen: 17.861 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:180 Resp: 42844

Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.8	116.6
145	36.1	28.9	43.3

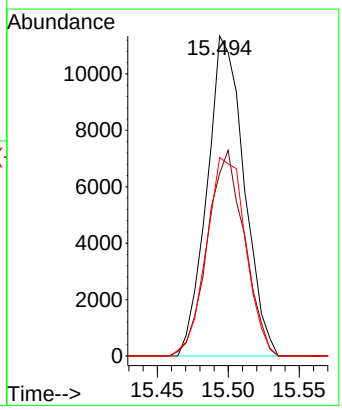


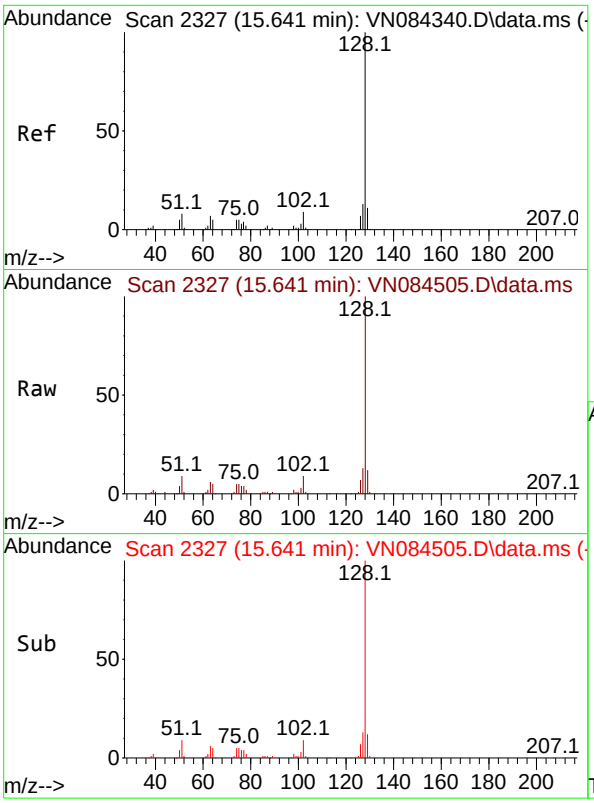


#90
Hexachlorobutadiene
Concen: 18.527 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:225 Resp: 20560

Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	124.0
227	65.7	0.0	130.8



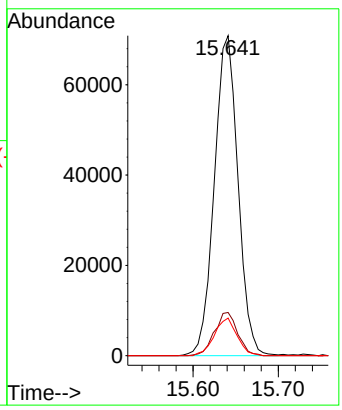


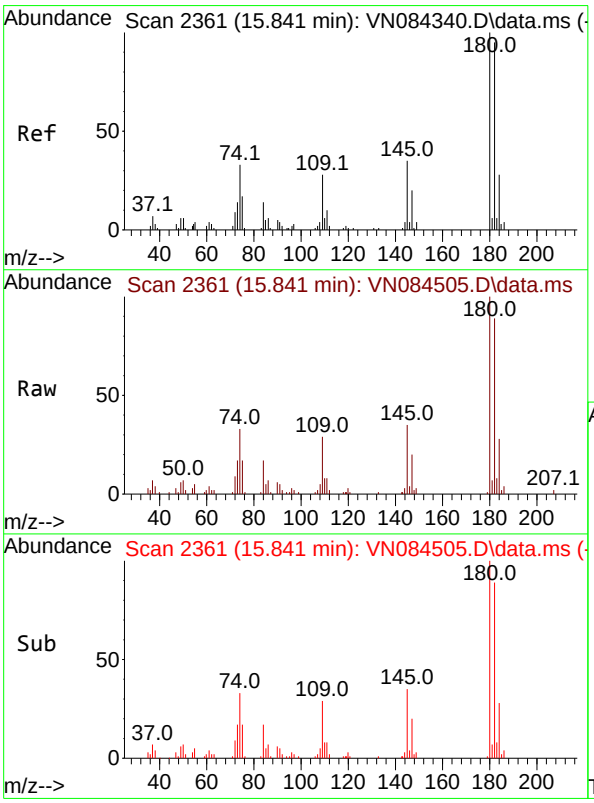
#91
Naphthalene
Concen: 16.837 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tgt Ion:128 Resp: 136862

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.3	8.8	13.2

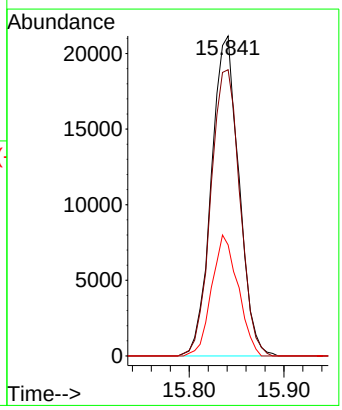




#92
1,2,3-Trichlorobenzene
Concen: 17.861 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN084505.D
Acq: 25 Oct 2024 10:40

Tgt Ion:180 Resp: 42844

Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	194.4
145	36.1	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084506.D
Acq On : 25 Oct 2024 11:04
Operator : JC\MD
Sample : VN1025WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Quant Time: Oct 26 05:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	34702	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	195213	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	177752	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	84628	30.291	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.967%				
60) 4-Bromofluorobenzene	12.847	95	88864	30.291	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.967%				
63) Toluene-d8	10.565	98	243186	29.532	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.433%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	36422	17.191	ug/l		97
3) Chloromethane	2.359	50	40390	16.752	ug/l		100
4) Vinyl Chloride	2.512	62	42500	17.975	ug/l		90
5) Bromomethane	2.965	94	26896	17.170	ug/l		91
6) Chloroethane	3.124	64	28823	18.595	ug/l		96
7) Trichlorofluoromethane	3.495	101	70666	18.349	ug/l		100
8) Diethyl Ether	3.959	74	25446	17.971	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	40889	18.882	ug/l		97
10) 1,1-Dichloroethene	4.336	96	38691	17.906	ug/l		88
11) Methyl Iodide	4.589	142	49750	17.521	ug/l		98
12) Methyl Acetate	5.024	43	59249	21.903	ug/l		97
13) Acrolein	4.177	56	52346	104.172	ug/l		99
14) Acrylonitrile	5.718	53	112460	92.538	ug/l		98
15) Acetone	4.424	58	38657	111.353	ug/l		96
16) Carbon Disulfide	4.712	76	102112	15.870	ug/l		97
17) Allyl chloride	5.024	41	63362	18.090	ug/l		98
18) Methylene Chloride	5.283	84	45436	18.667	ug/l		95
19) trans-1,2-Dichloroethene	5.789	96	40072	17.523	ug/l		97
20) Diisopropyl ether	6.671	45	143102	19.002	ug/l		97
21) 1,1-Dichloroethane	6.571	63	80838	18.707	ug/l		94
22) cis-1,2-Dichloroethene	7.488	96	49067	18.439	ug/l		97
23) tert-Butyl Alcohol	5.518	59	43998	94.385	ug/l	#	100
24) Methyl tert-Butyl Ether	5.800	73	138022	19.114	ug/l	#	87
25) Chloroform	7.965	83	82367	18.820	ug/l		95
26) Cyclohexane	8.253	56	62057	17.171	ug/l	#	94
29) 1,1-Dichloropropene	8.371	75	55926	17.452	ug/l		99
30) 2-Butanone	7.483	43	166499	97.586	ug/l	#	81
31) 2,2-Dichloropropane	7.483	77	72293	19.197	ug/l	#	81
32) 1,1,1-Trichloroethane	8.165	97	74656	18.226	ug/l		98
33) Carbon Tetrachloride	8.359	117	65486	18.454	ug/l		98
34) Benzene	8.606	78	185185	18.461	ug/l		95
35) Methacrylonitrile	7.777	41	34201	18.790	ug/l		96
36) 1,2-Dichloroethane	8.671	62	62515	18.697	ug/l		99
37) Trichloroethene	9.353	130	42690	18.481	ug/l		91
38) Methylcyclohexane	9.600	83	60037	17.056	ug/l		99
39) 1,2-Dichloropropane	9.618	63	44464	18.177	ug/l		96
40) Dibromomethane	9.706	93	31527	18.441	ug/l		97
41) Bromodichloromethane	9.888	83	67112	18.491	ug/l		94
42) Vinyl Acetate	6.600	43	519106	87.481	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084506.D
Acq On : 25 Oct 2024 11:04
Operator : JC\MD
Sample : VN1025WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Quant Time: Oct 26 05:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

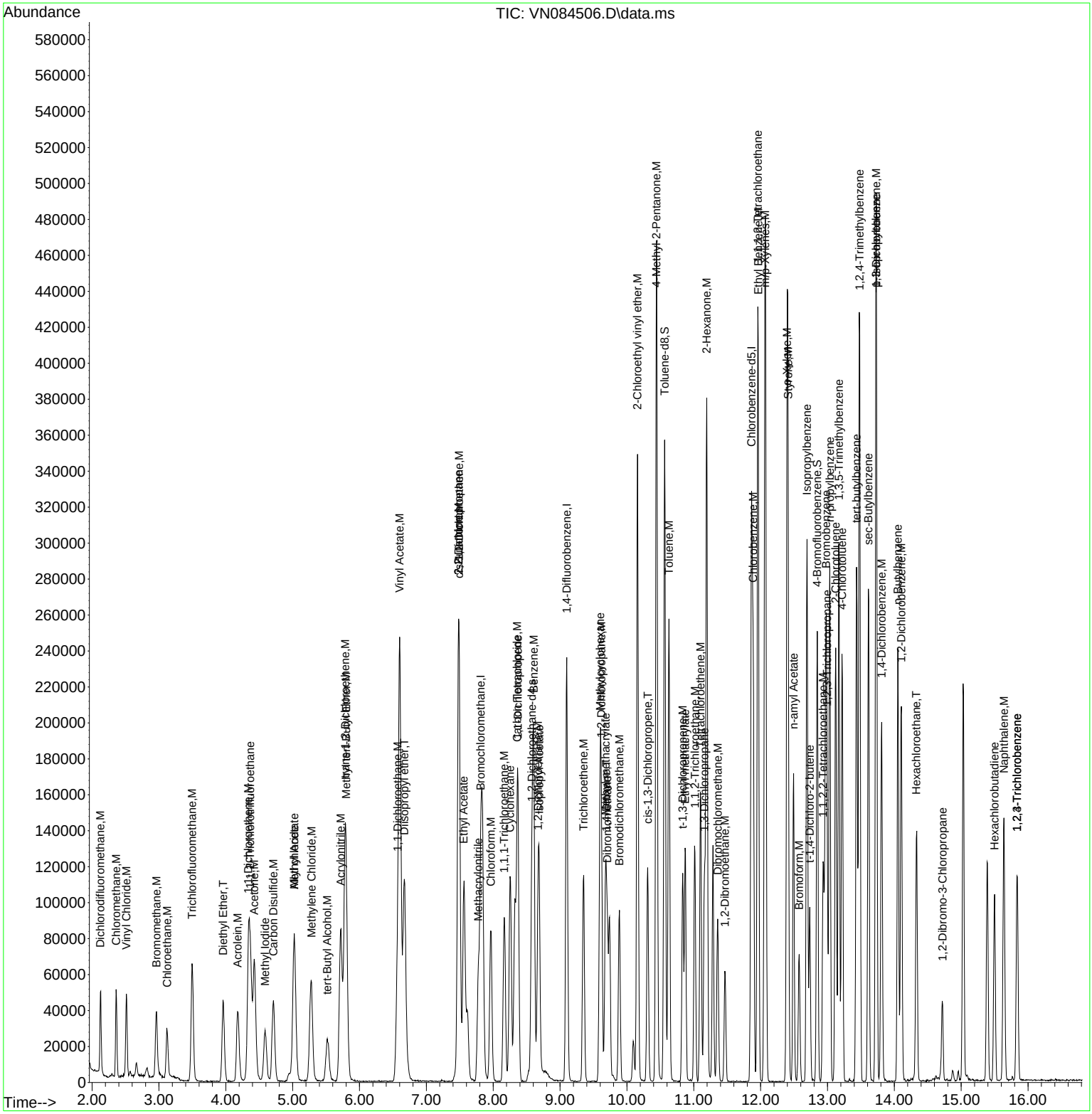
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	59398	17.652	ug/l	97
44) Isopropyl Acetate	8.688	43	109016	19.794	ug/l	96
45) 1,4-Dioxane	9.694	88	17576	354.009	ug/l	98
46) Methyl methacrylate	9.682	41	47794	17.961	ug/l	97
47) n-amyl Acetate	12.494	43	87873	17.937	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	66779	17.805	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	72971	18.565	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	42706	18.584	ug/l	95
51) Ethyl methacrylate	10.871	69	69514	18.314	ug/l	99
52) 1,3-Dichloropropane	11.159	76	74470	18.534	ug/l	100
53) Dibromochloromethane	11.359	129	49660	18.294	ug/l	98
54) 1,2-Dibromoethane	11.465	107	42517	17.974	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	152493	88.579	ug/l	99
56) Bromoform	12.576	173	32774	18.203	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	317615	95.920	ug/l	100
59) 2-Hexanone	11.194	43	239404	97.299	ug/l	100
61) Tetrachloroethene	11.100	164	37279	18.541	ug/l	98
62) Toluene	10.629	91	193173	18.564	ug/l	99
64) Chlorobenzene	11.888	112	120005	18.532	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	42428	18.860	ug/l	99
66) Ethyl Benzene	11.965	91	205594	18.185	ug/l	100
67) m/p-Xylenes	12.070	106	159912	37.286	ug/l	99
68) o-Xylene	12.394	106	76327	18.463	ug/l	99
69) Styrene	12.412	104	130016	18.321	ug/l	100
70) Isopropylbenzene	12.694	105	195104	18.487	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	62486	19.140	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	81385	29.108	ug/l	51
73) Bromobenzene	12.982	156	46579	18.224	ug/l	98
74) n-propylbenzene	13.035	91	229550	18.253	ug/l	99
75) 2-Chlorotoluene	13.123	91	145197	18.580	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	164553	18.518	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	21527	18.017	ug/l	96
78) 4-Chlorotoluene	13.217	91	145653	18.332	ug/l	97
79) tert-butylbenzene	13.435	119	142685	18.822	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	162818	18.059	ug/l	99
81) sec-Butylbenzene	13.612	105	192819	18.474	ug/l	100
82) p-Isopropyltoluene	13.729	119	160343	18.252	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	87899	18.496	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	84764	17.962	ug/l	99
85) n-Butylbenzene	14.053	91	132654	17.435	ug/l	99
86) Hexachloroethane	14.329	117	29867	17.647	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	84315	18.350	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12707	19.033	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	42050	17.602	ug/l	97
90) Hexachlorobutadiene	15.500	225	19449	17.598	ug/l	100
91) Naphthalene	15.641	128	135282	16.711	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	42050	17.602	ug/l	97

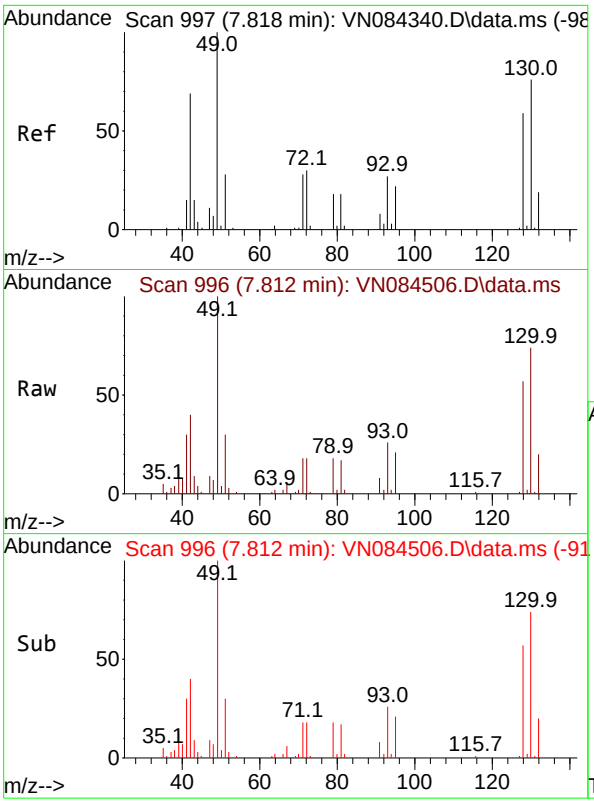
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084506.D
Acq On : 25 Oct 2024 11:04
Operator : JC\MD
Sample : VN1025WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Quant Time: Oct 26 05:26:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



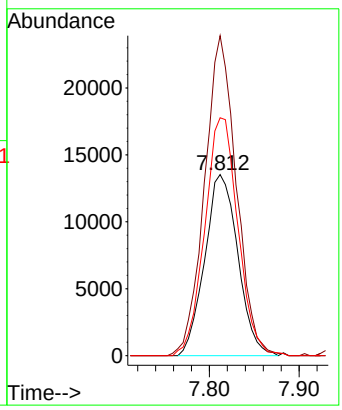


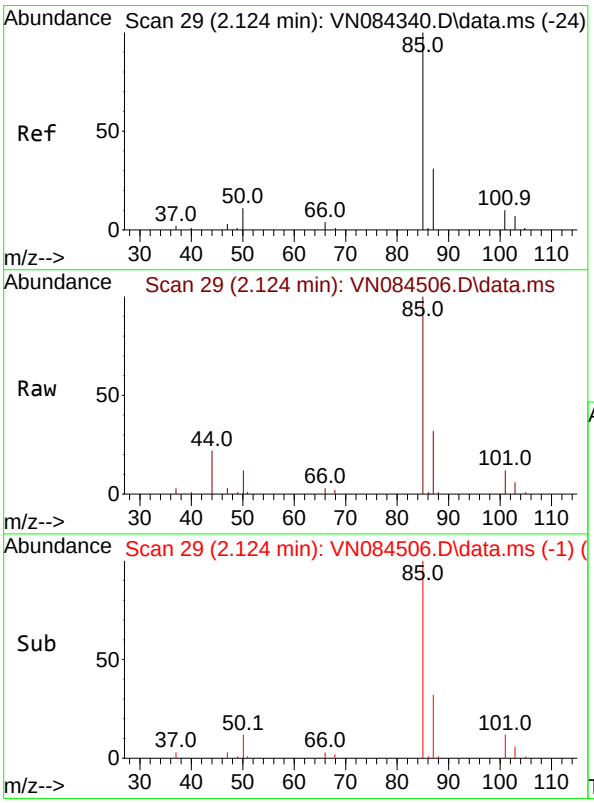
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:128 Resp: 34702

Ion	Ratio	Lower	Upper
128	100		
49	169.0	0.0	430.0
130	131.8	0.0	329.8

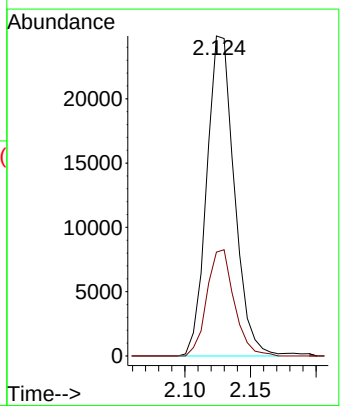


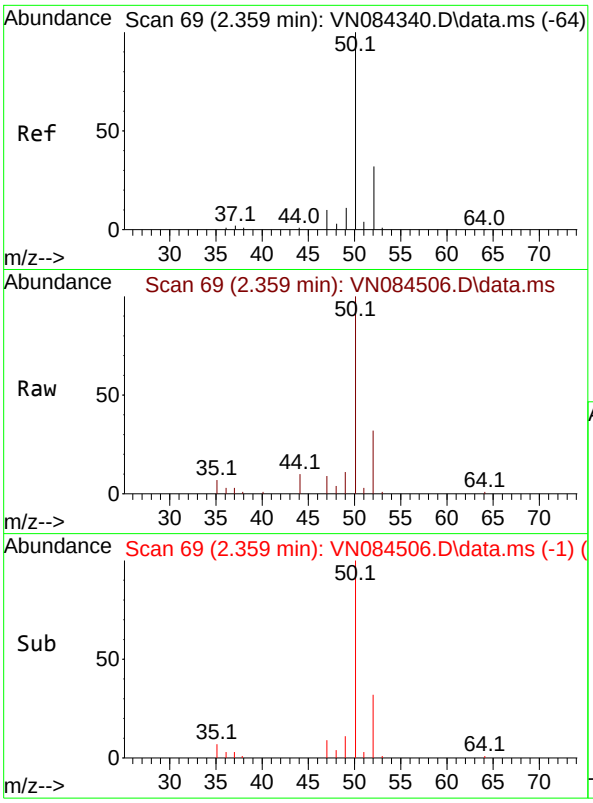


#2
Dichlorodifluoromethane
Concen: 17.191 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 85 Resp: 36422

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.4	46.4



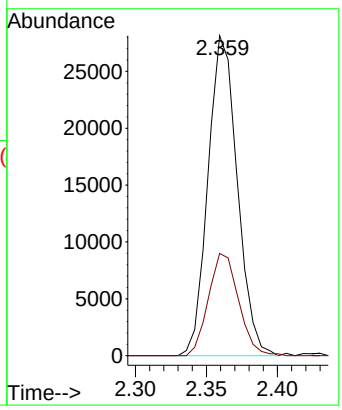


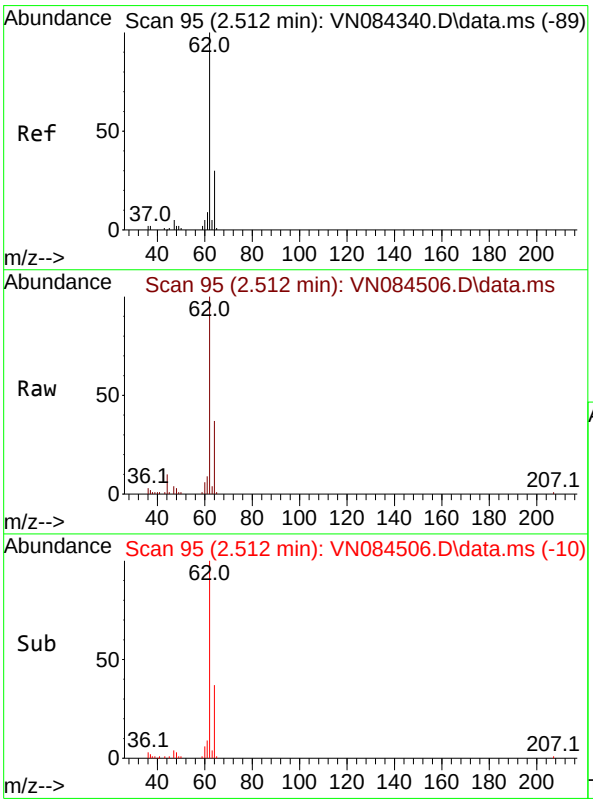
#3
Chloromethane
Concen: 16.752 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 50 Resp: 40390

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.8	38.6

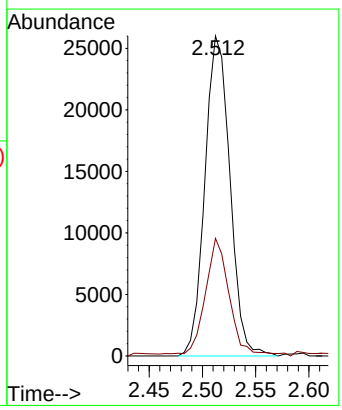


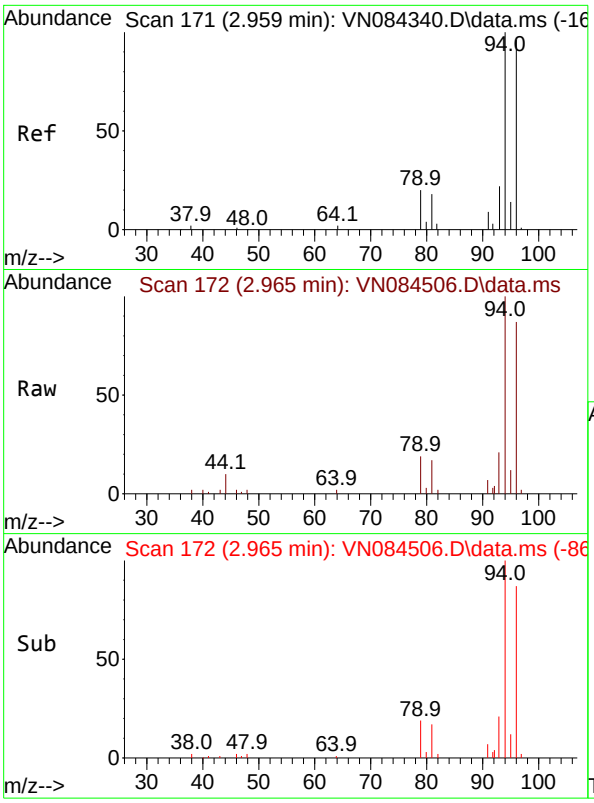


#4
Vinyl Chloride
Concen: 17.975 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 62 Resp: 42500

Ion	Ratio	Lower	Upper
62	100		
64	36.0	24.3	36.5



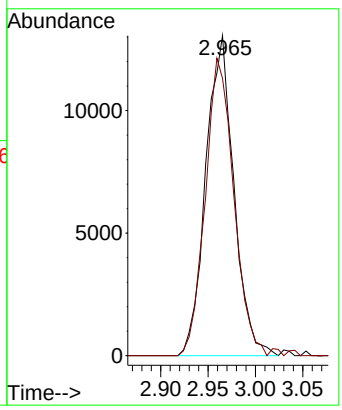


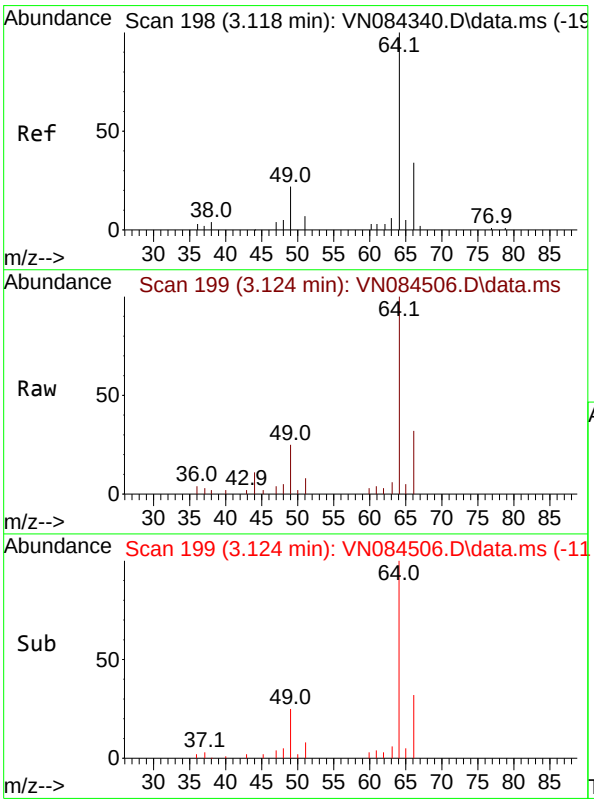
#5
Bromomethane
Concen: 17.170 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 94 Resp: 26896

Ion	Ratio	Lower	Upper
94	100		
96	86.6	76.7	115.1

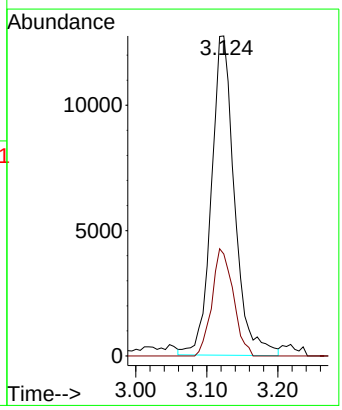


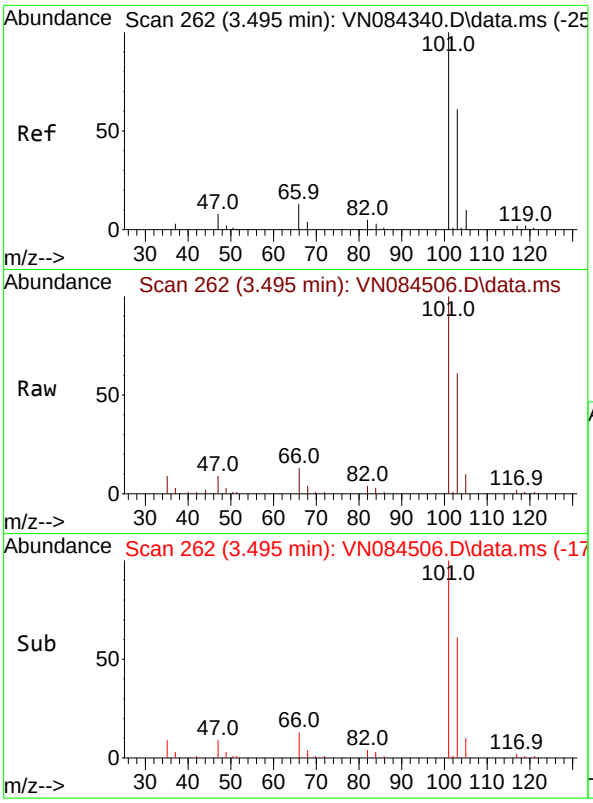


#6
Chloroethane
Concen: 18.595 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 64 Resp: 28823

Ion	Ratio	Lower	Upper
64	100		
66	32.5	27.7	41.5



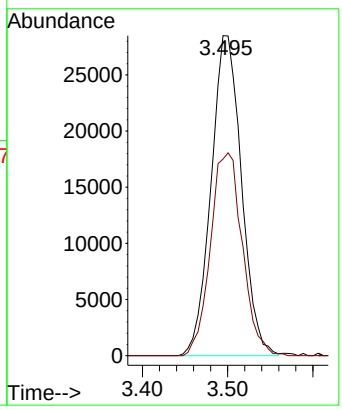


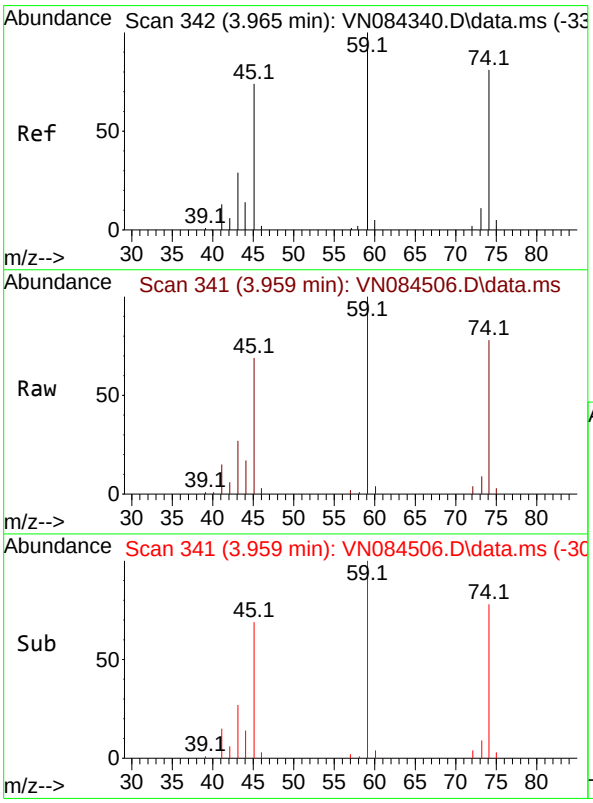
#7
Trichlorofluoromethane
Concen: 18.349 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:101 Resp: 70666

Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.0	73.6

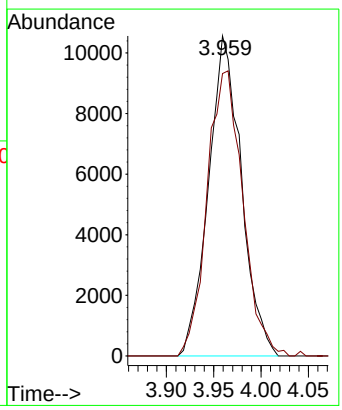


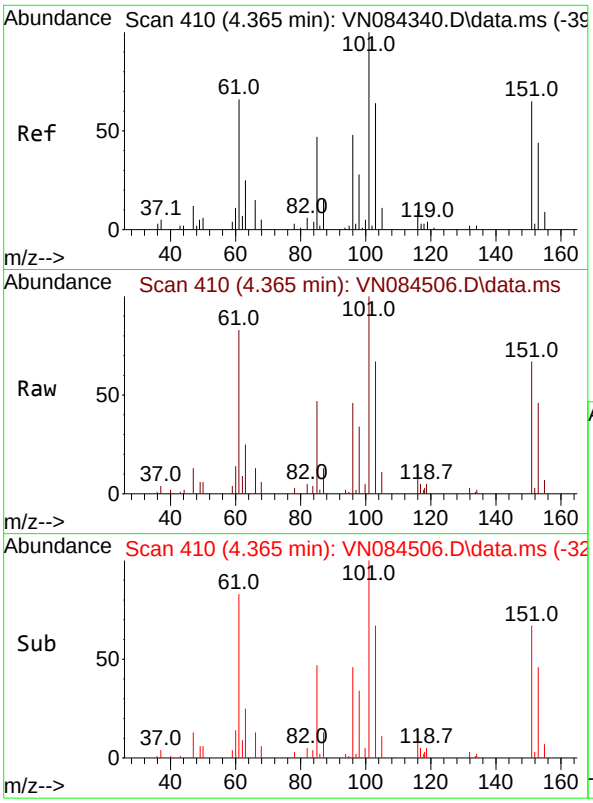


#8
Diethyl Ether
Concen: 17.971 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 74 Resp: 25446

Ion	Ratio	Lower	Upper
74	100		
45	96.5	19.2	173.2



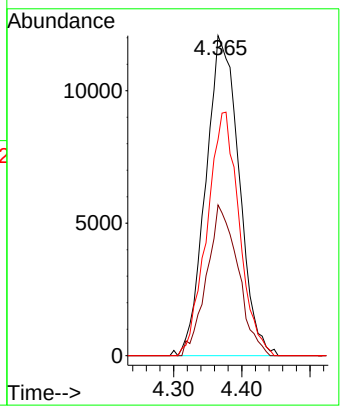


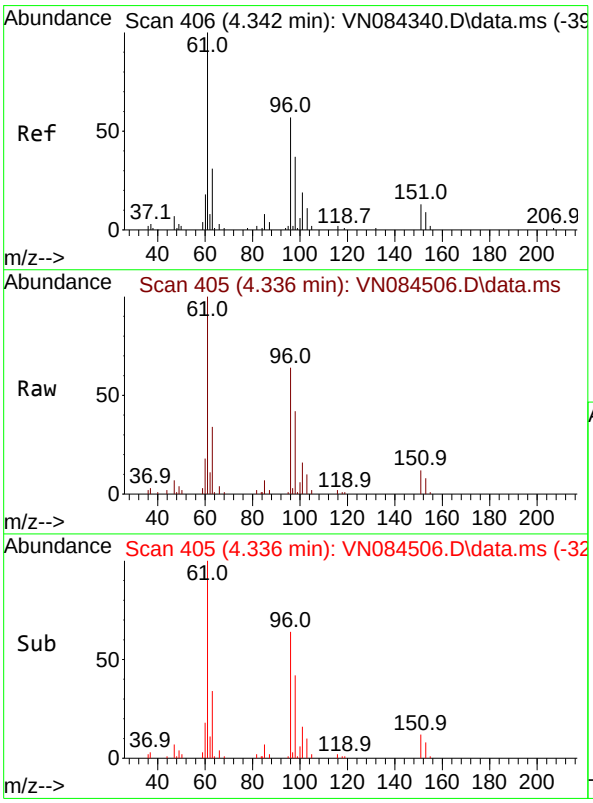
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.882 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:101 Resp: 40889

Ion	Ratio	Lower	Upper
101	100		
85	44.5	0.0	93.6
151	73.8	0.0	151.8

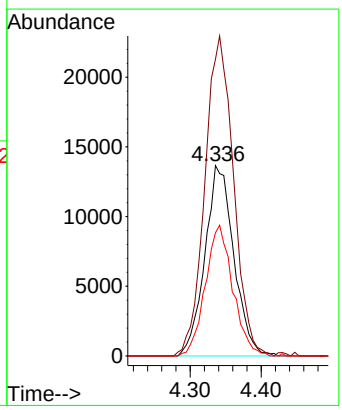


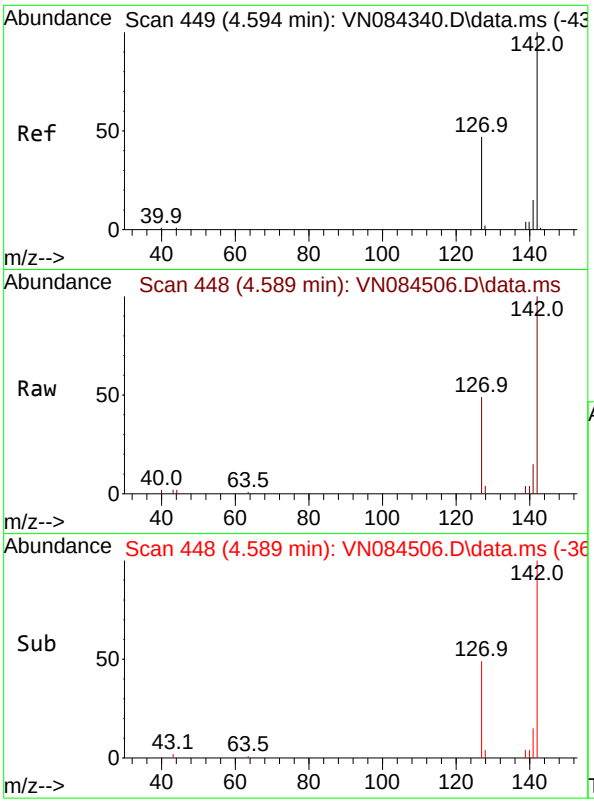


#10
1,1-Dichloroethene
Concen: 17.906 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 96 Resp: 38691

Ion	Ratio	Lower	Upper
96	100		
61	154.2	140.8	211.2
98	64.7	52.2	78.2



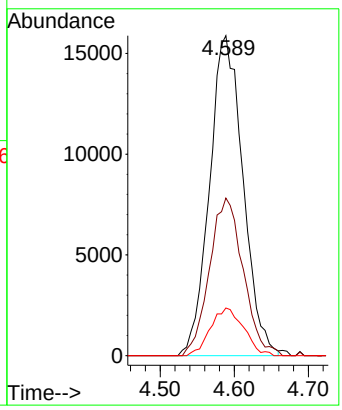


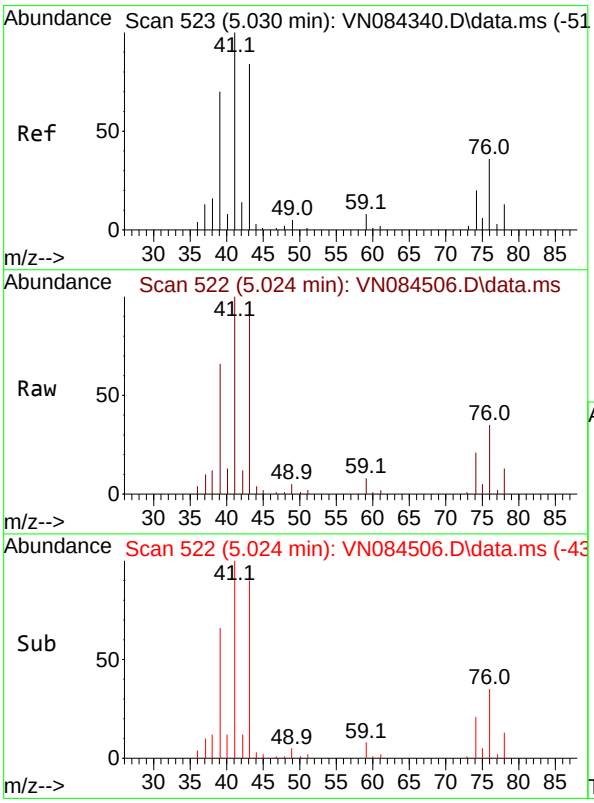
#11
Methyl Iodide
Concen: 17.521 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:142 Resp: 49750

Ion	Ratio	Lower	Upper
142	100		
127	48.9	23.8	71.4
141	15.0	7.4	22.2

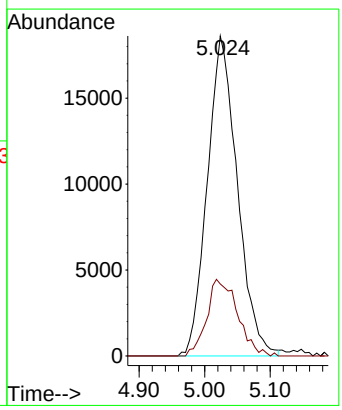


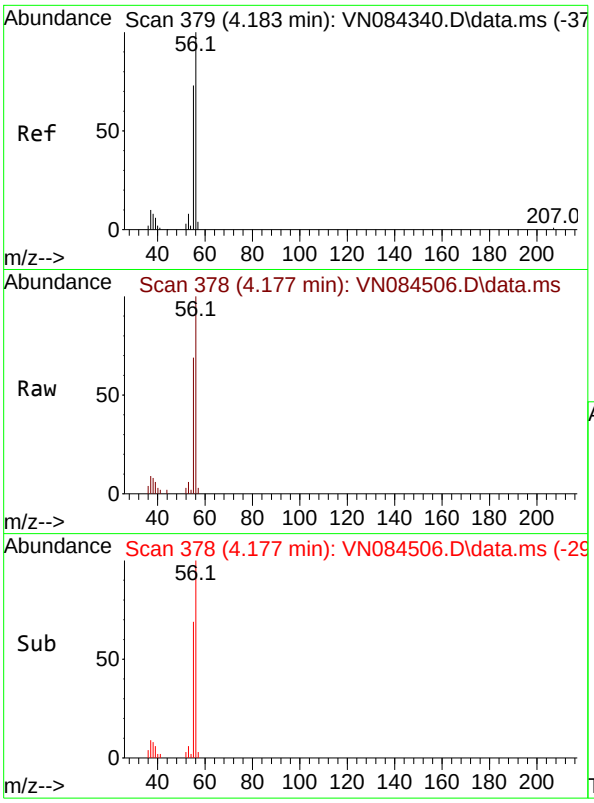


#12
Methyl Acetate
Concen: 21.903 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 59249

Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.4	29.2



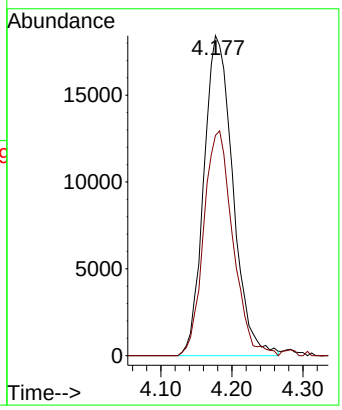


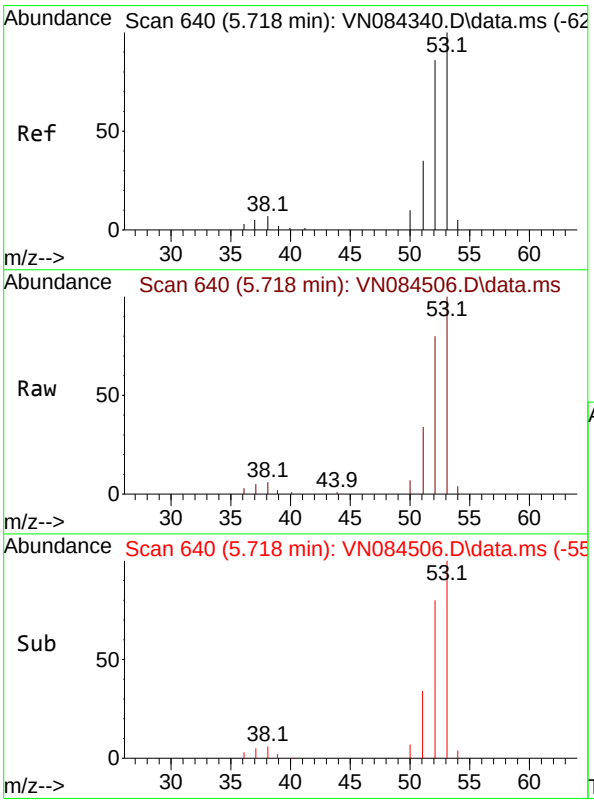
#13
Acrolein
Concen: 104.172 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 56 Resp: 52346

Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.4	84.6

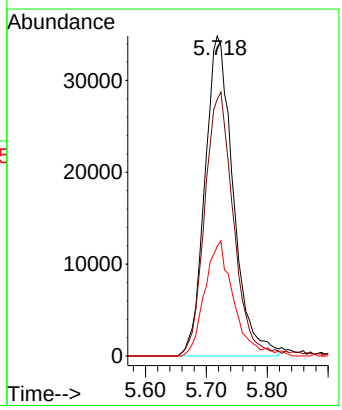


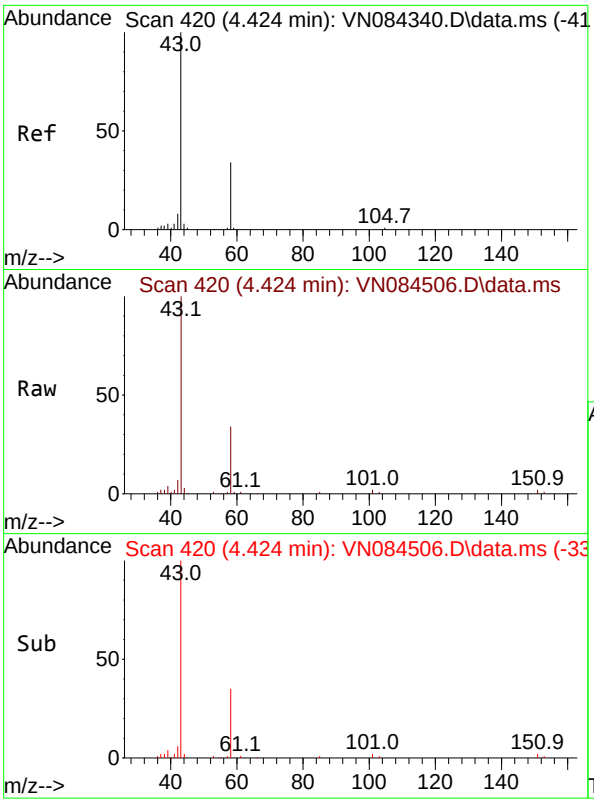


#14
Acrylonitrile
Concen: 92.538 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 53 Resp: 112460

Ion	Ratio	Lower	Upper
53	100		
52	82.8	40.4	121.2
51	35.5	17.8	53.4



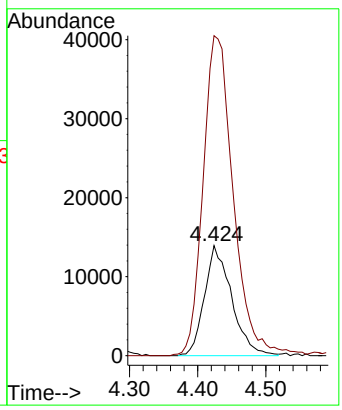


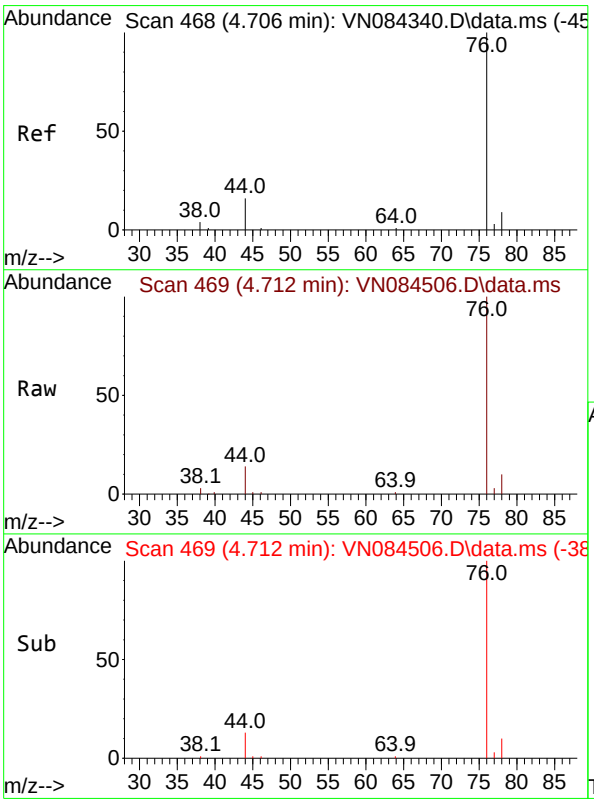
#15
Acetone
Concen: 111.353 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 58 Resp: 38657

Ion	Ratio	Lower	Upper
58	100		
43	289.1	237.5	356.3

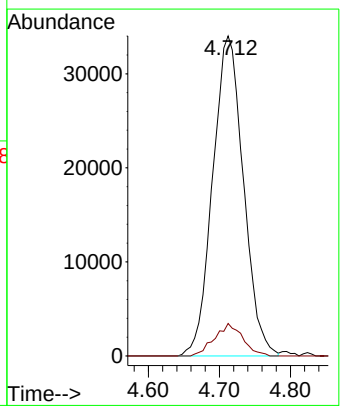


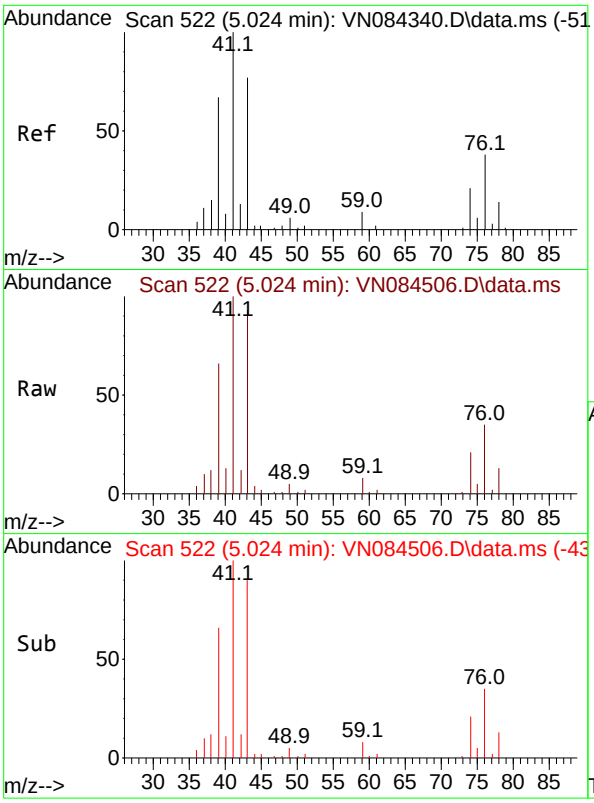


#16
Carbon Disulfide
Concen: 15.870 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 76 Resp: 102112

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.1	10.7



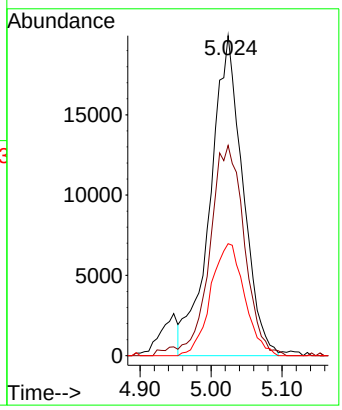


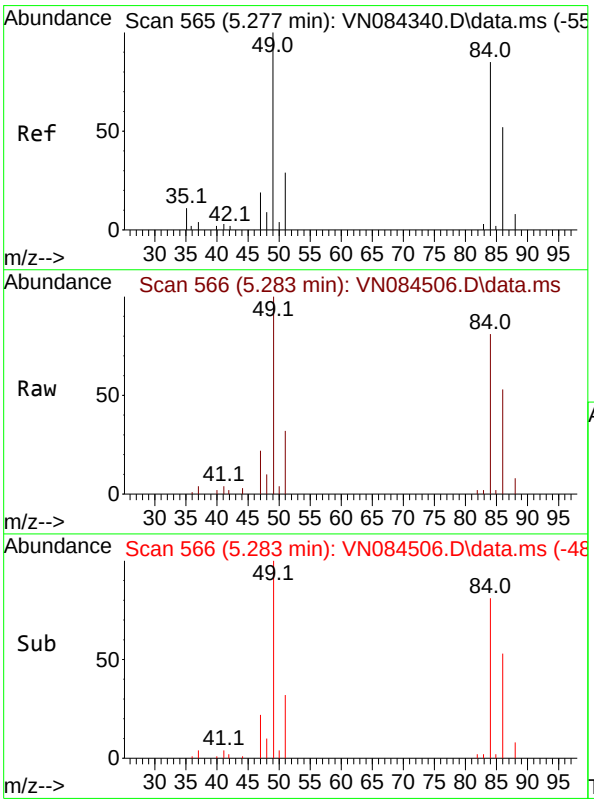
#17
Allyl chloride
Concen: 18.090 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 41 Resp: 63362

Ion	Ratio	Lower	Upper
41	100		
39	64.7	31.4	94.3
76	35.3	17.8	53.5

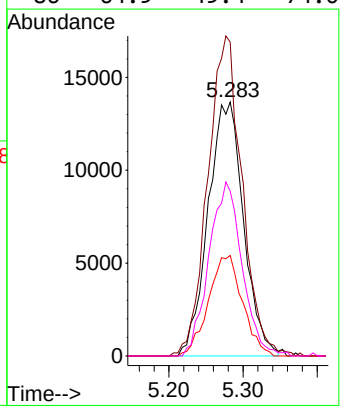


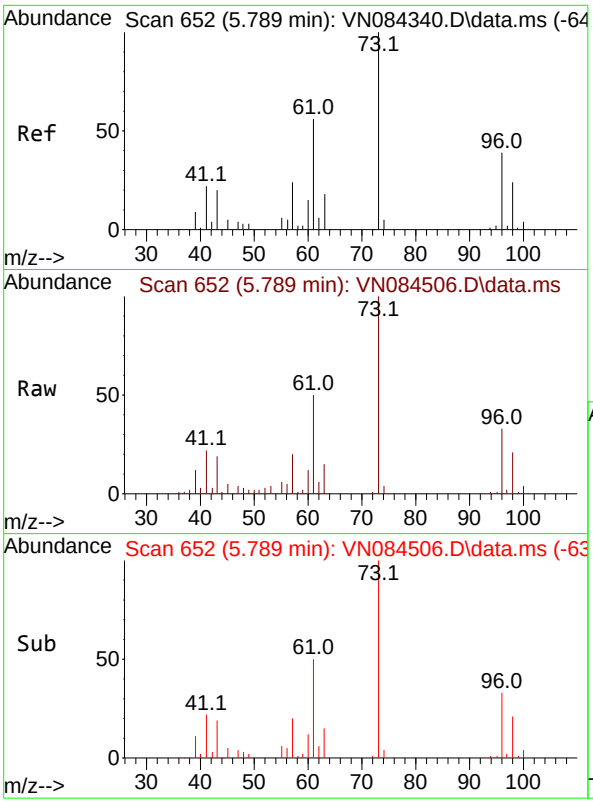


#18
Methylene Chloride
Concen: 18.667 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 84 Resp: 45436

Ion	Ratio	Lower	Upper
84	100		
49	122.4	94.6	142.0
51	39.6	27.3	40.9
86	64.9	49.4	74.0



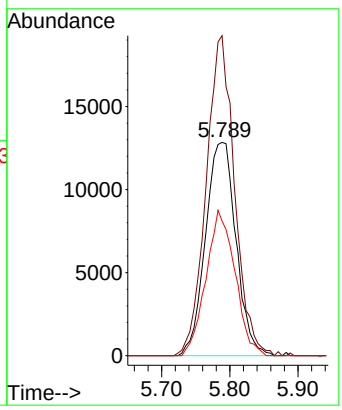


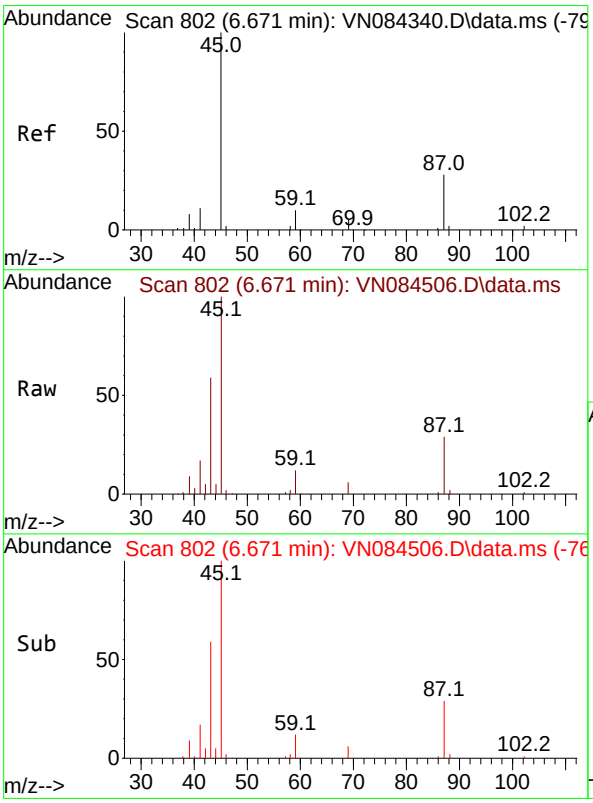
#19
trans-1,2-Dichloroethene
Concen: 17.523 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 96 Resp: 40072

Ion	Ratio	Lower	Upper
96	100		
61	148.8	115.8	173.6
98	63.1	49.4	74.0

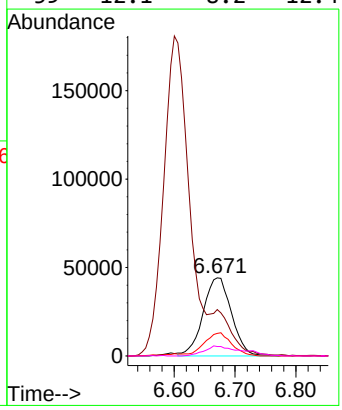


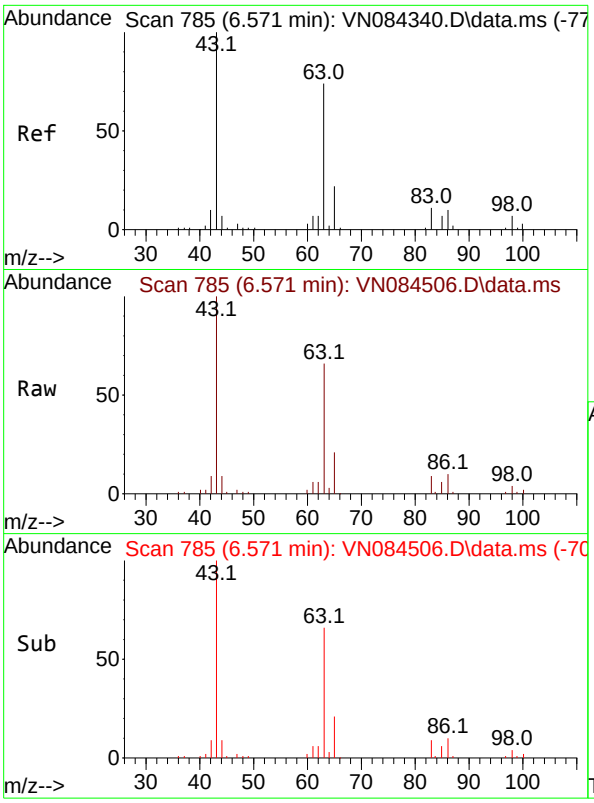


#20
Diisopropyl ether
Concen: 19.002 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 45 Resp: 143102

Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.7	65.5
87	28.9	23.1	34.7
59	12.1	8.2	12.4



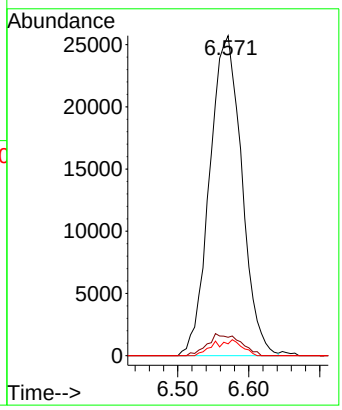


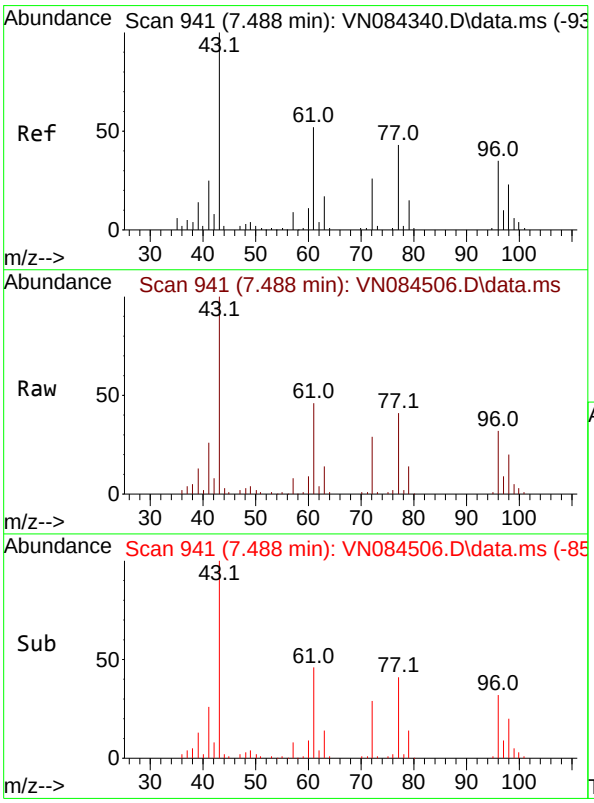
#21
1,1-Dichloroethane
Concen: 18.707 ug/l
RT: 6.571 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 63 Resp: 80838

Ion	Ratio	Lower	Upper
63	100		
98	5.7	4.5	13.4
100	3.7	2.1	6.3

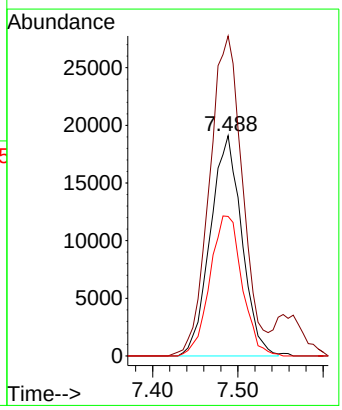


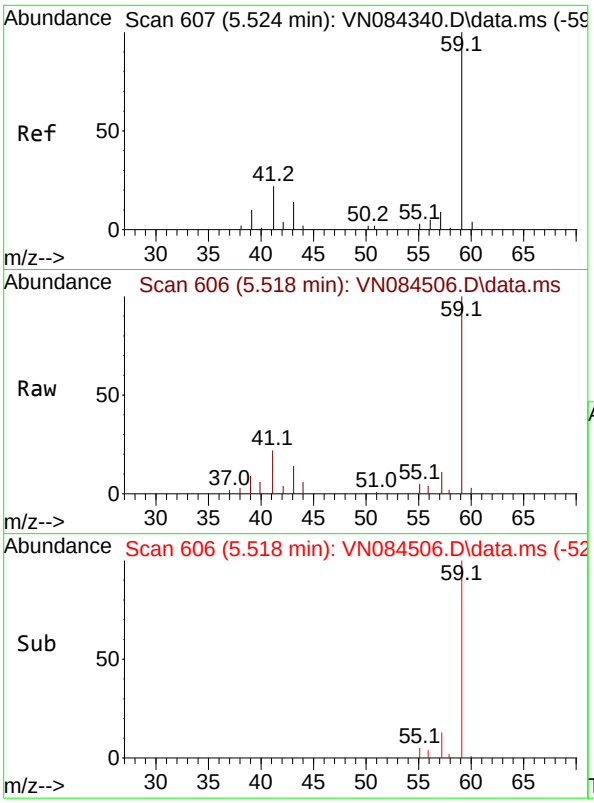


#22
cis-1,2-Dichloroethene
Concen: 18.439 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 96 Resp: 49067

Ion	Ratio	Lower	Upper
96	100		
61	152.7	118.0	177.0
98	65.1	51.8	77.8



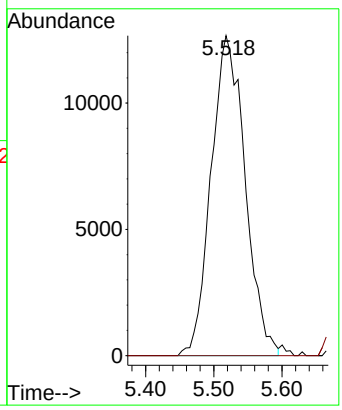


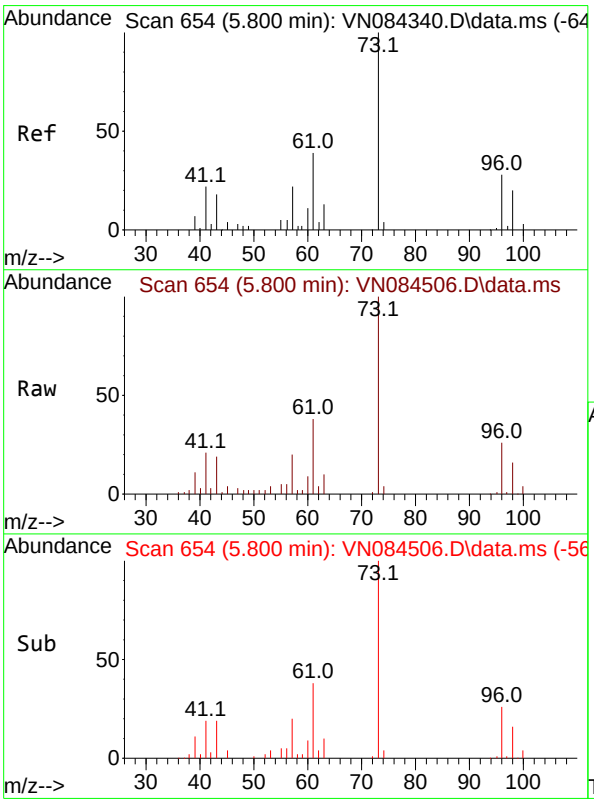
#23
tert-Butyl Alcohol
Concen: 94.385 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 59 Resp: 43998

Ion	Ratio	Lower	Upper
59	100		
52	211.6	0.0	0.0#

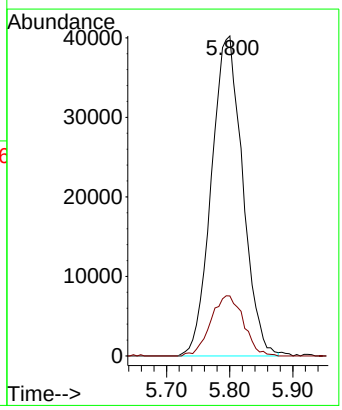


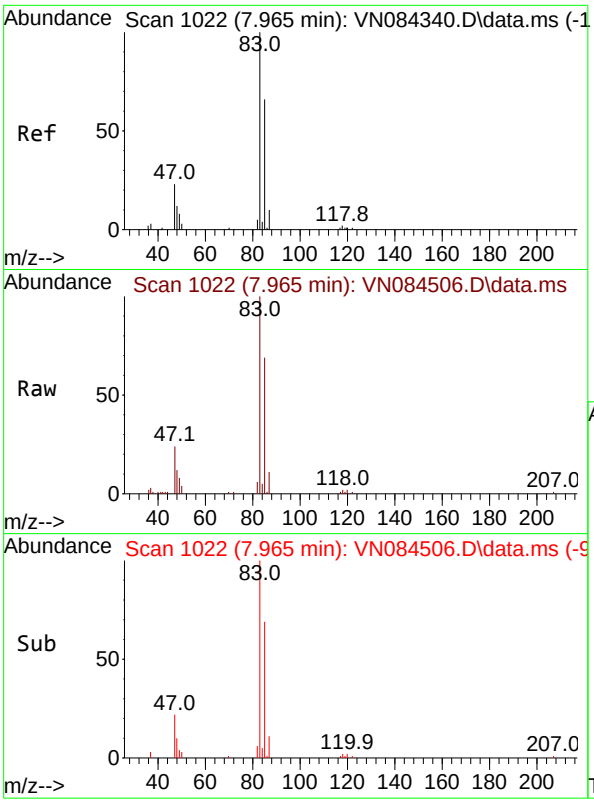


#24
Methyl tert-Butyl Ether
Concen: 19.114 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 73 Resp: 138022

Ion	Ratio	Lower	Upper
73	100		
43	18.9	10.9	16.3#



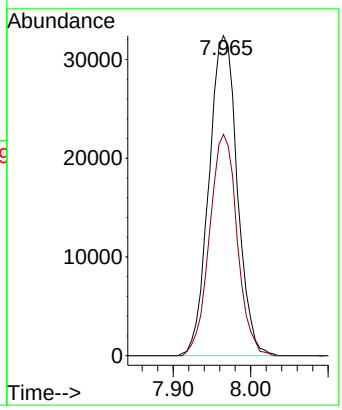


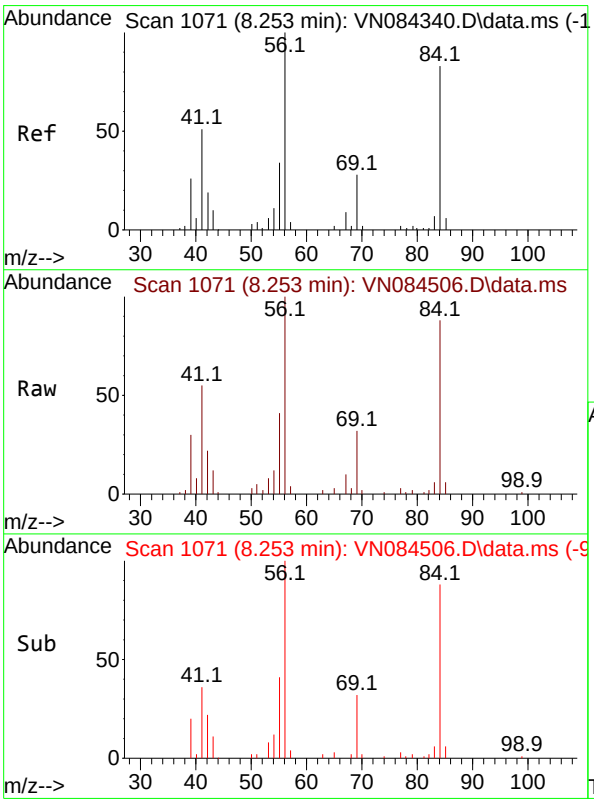
#25
Chloroform
Concen: 18.820 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 83 Resp: 82367

Ion	Ratio	Lower	Upper
83	100		
85	69.2	52.4	78.6

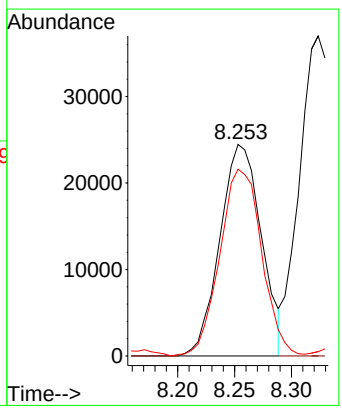


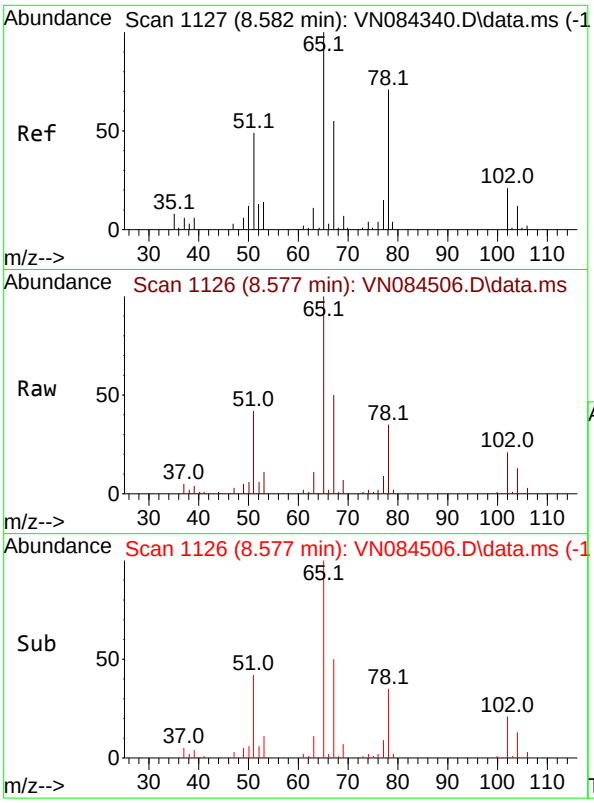


#26
Cyclohexane
Concen: 17.171 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 56 Resp: 62057

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	89.2	67.0	100.6



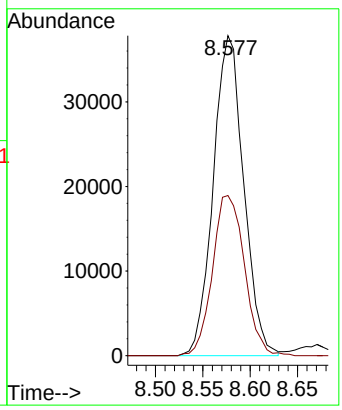


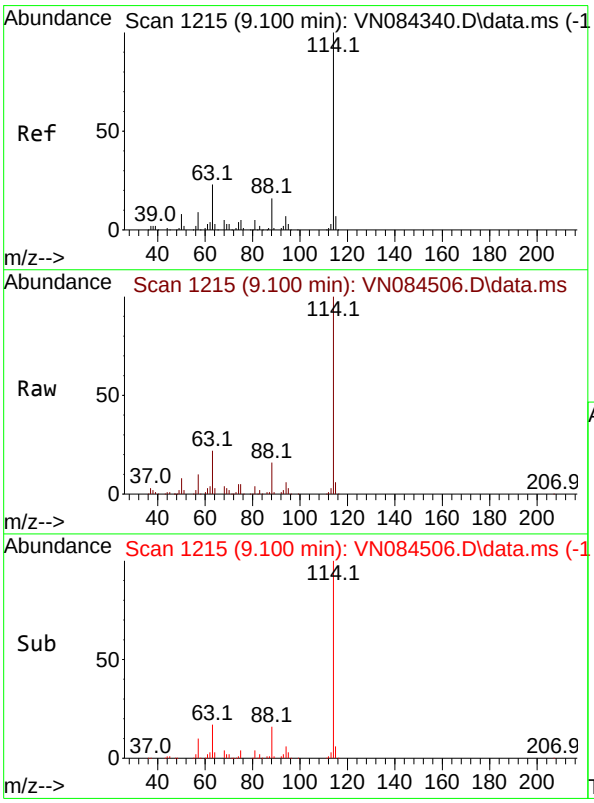
#27
1,2-Dichloroethane-d4
Concen: 30.291 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 65 Resp: 84628

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3

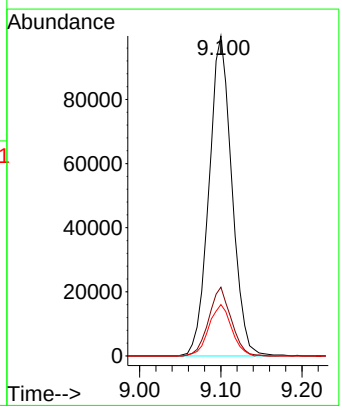


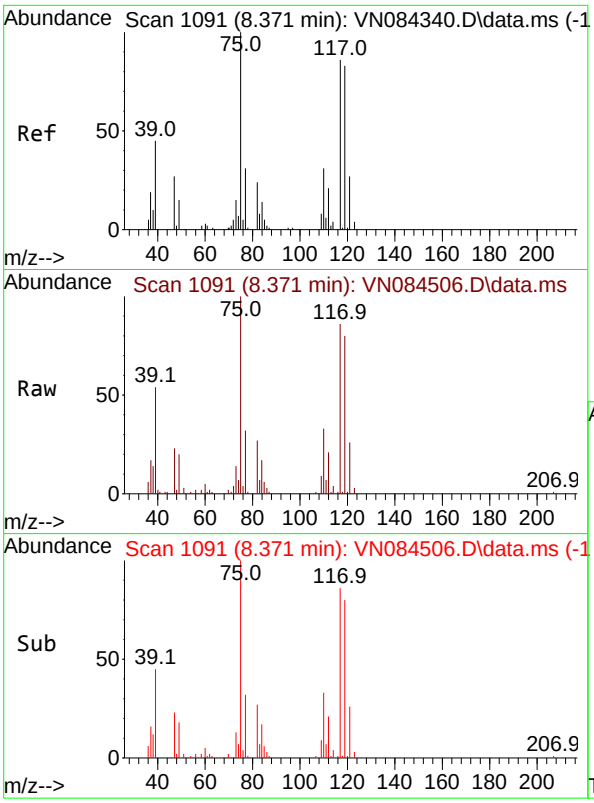


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:114 Resp: 195213

Ion	Ratio	Lower	Upper
114	100		
63	21.0	17.4	26.0
88	15.9	13.2	19.8



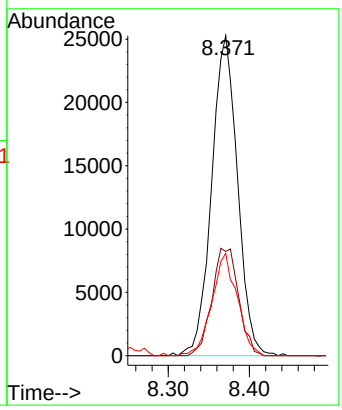


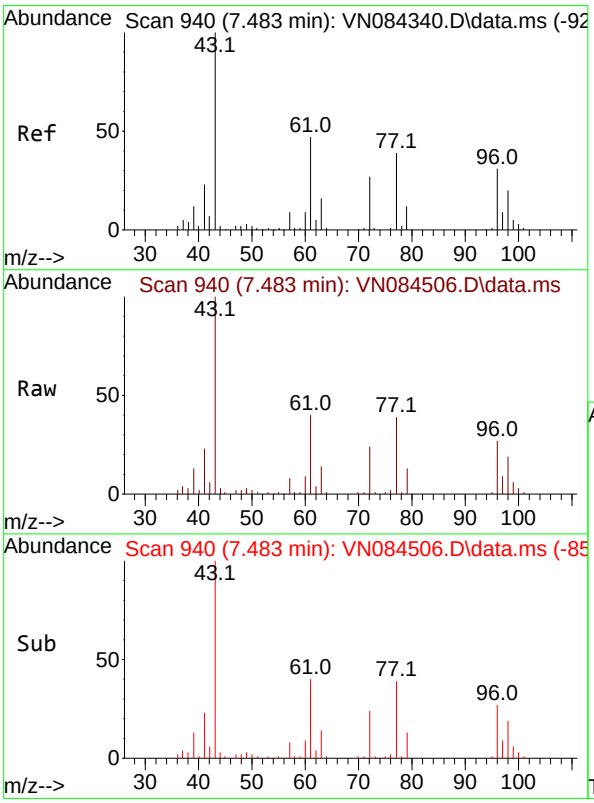
#29
1,1-Dichloropropene
Concen: 17.452 ug/l
RT: 8.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 75 Resp: 55926

Ion	Ratio	Lower	Upper
75	100		
110	34.5	0.0	67.6
77	31.5	0.0	61.4

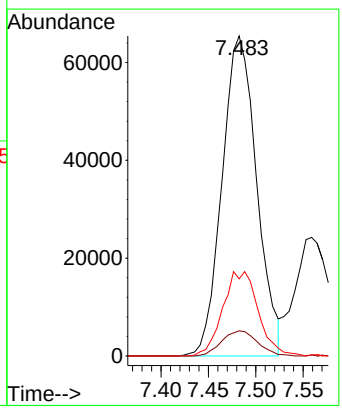


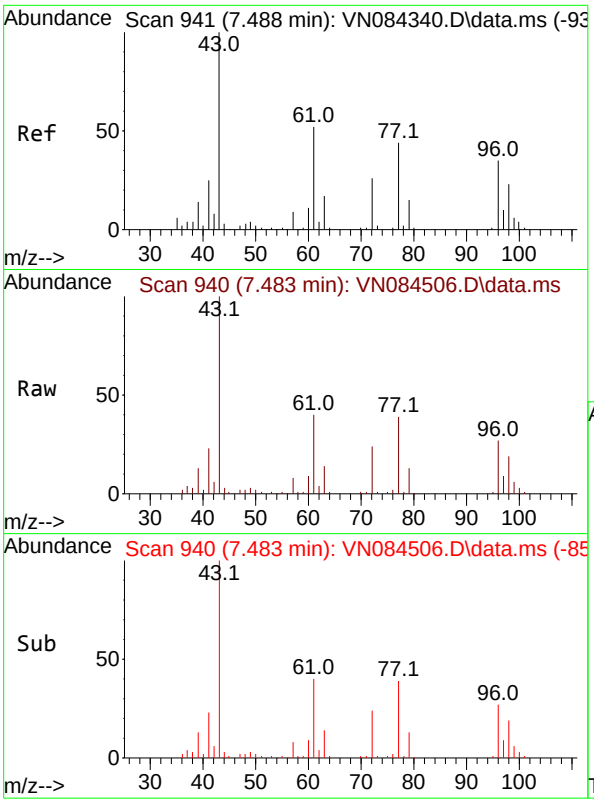


#30
2-Butanone
Concen: 97.586 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 166499

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.6	9.8
72	14.2	21.3	31.9#



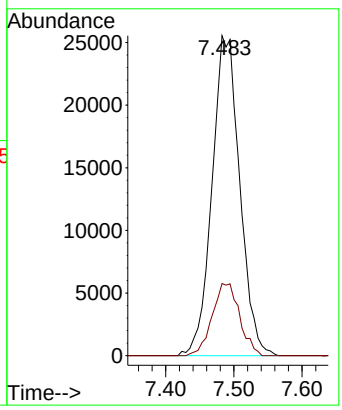


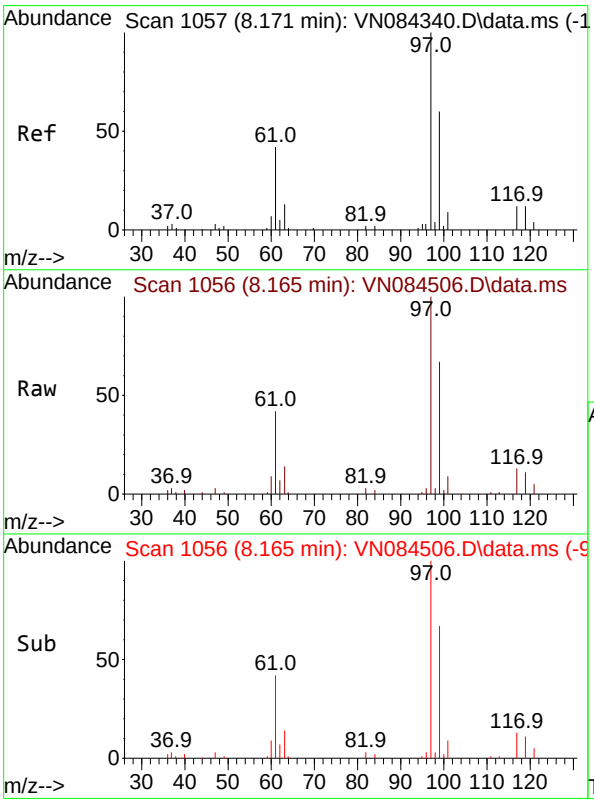
#31
2,2-Dichloropropane
Concen: 19.197 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 77 Resp: 72293

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.5	17.3#

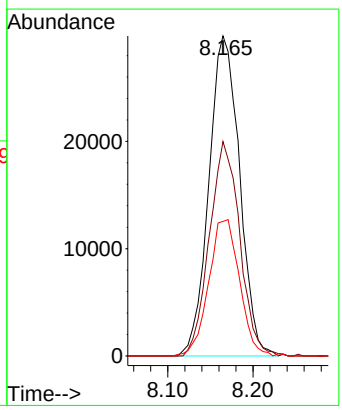


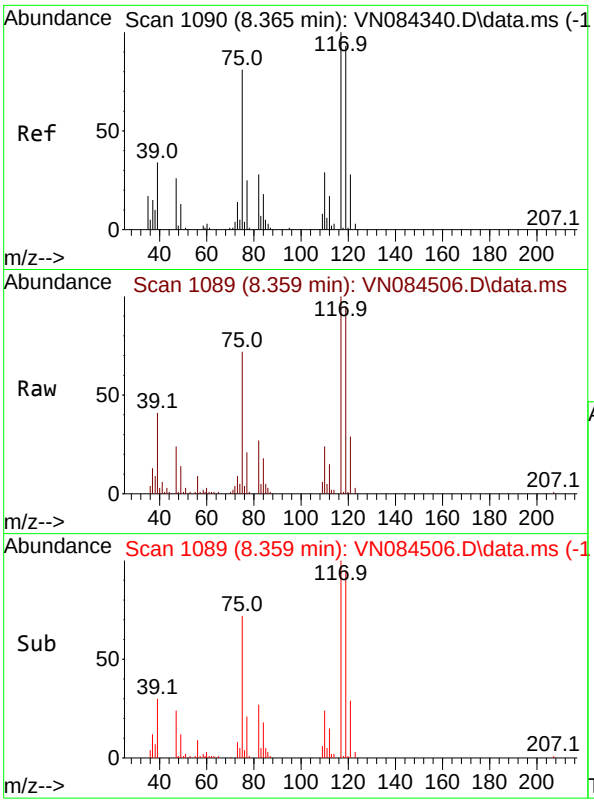


#32
1,1,1-Trichloroethane
Concen: 18.226 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 97 Resp: 74656

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.2	76.8
61	42.8	34.1	51.1



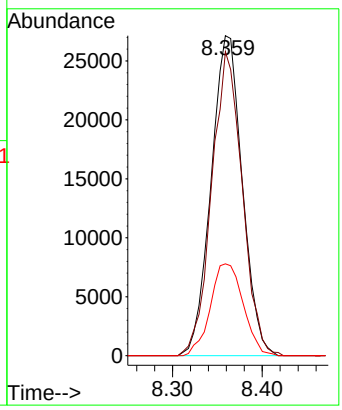


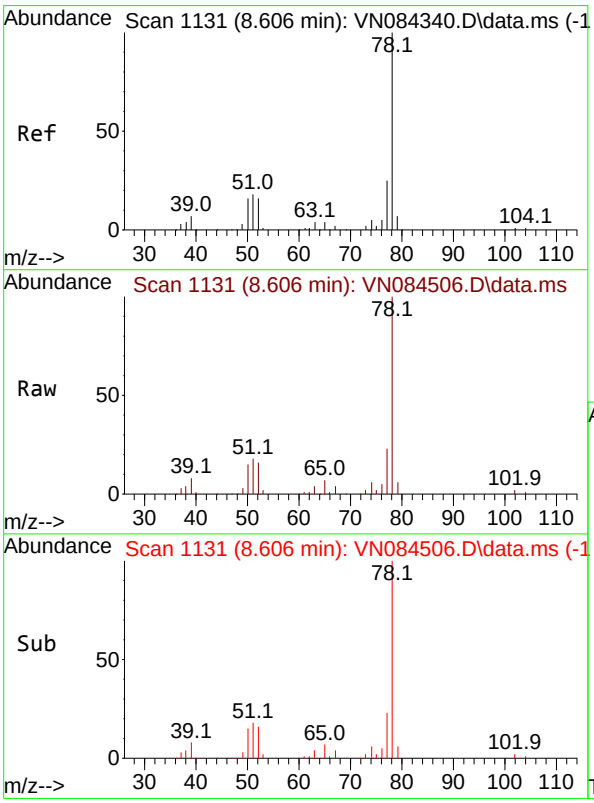
#33
Carbon Tetrachloride
Concen: 18.454 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:117 Resp: 65486

Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.3	111.5
121	28.7	22.4	33.6

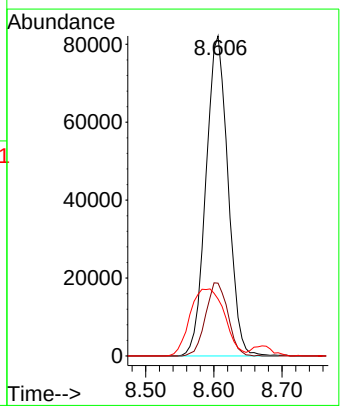


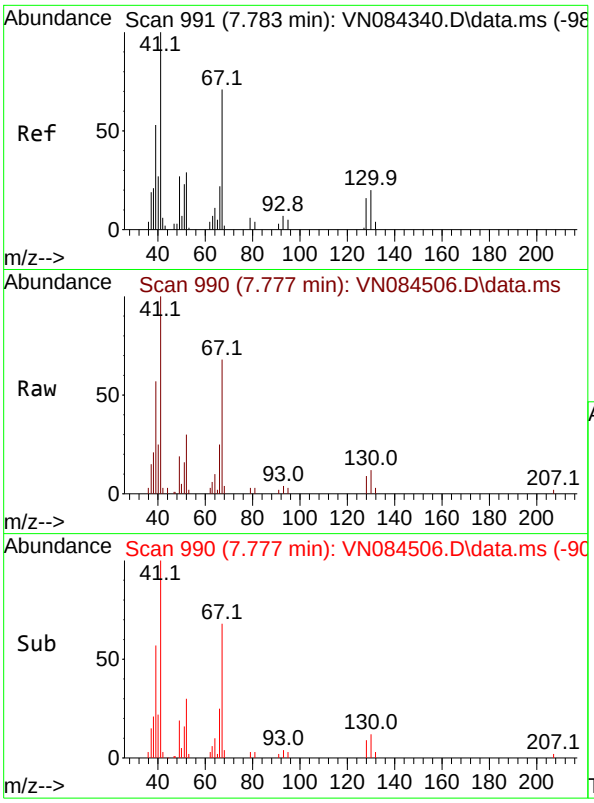


#34
Benzene
Concen: 18.461 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 78 Resp: 185185

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.6	29.4
51	16.8	15.8	23.6



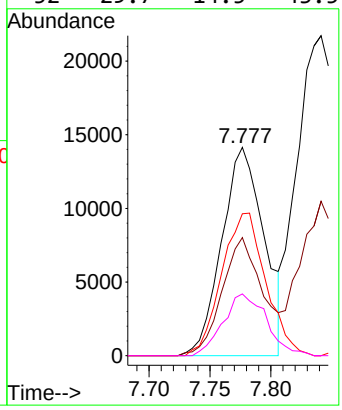


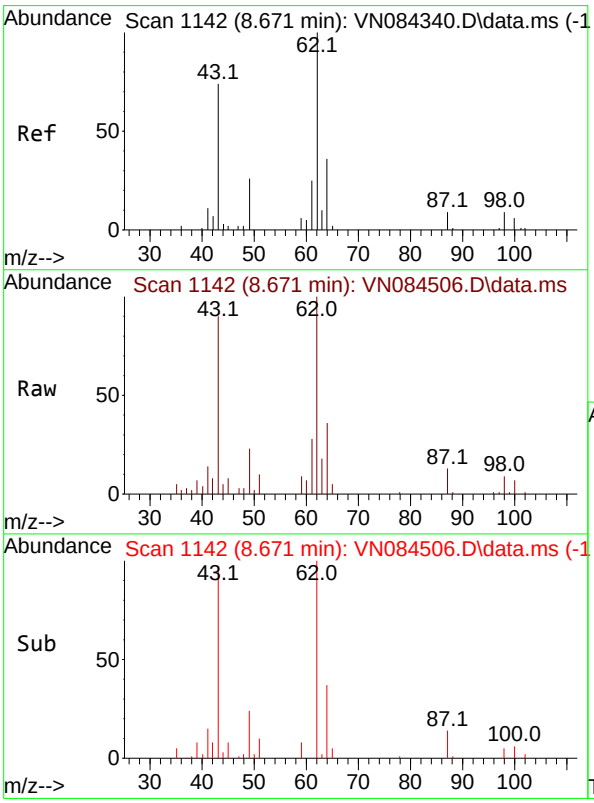
#35
Methacrylonitrile
Concen: 18.790 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 41 Resp: 34201

Ion	Ratio	Lower	Upper
41	100		
39	56.7	26.4	79.0
67	68.1	35.7	107.1
52	29.7	14.5	43.5

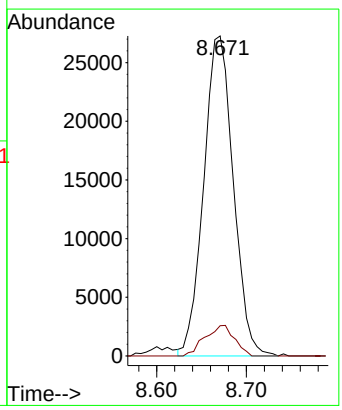


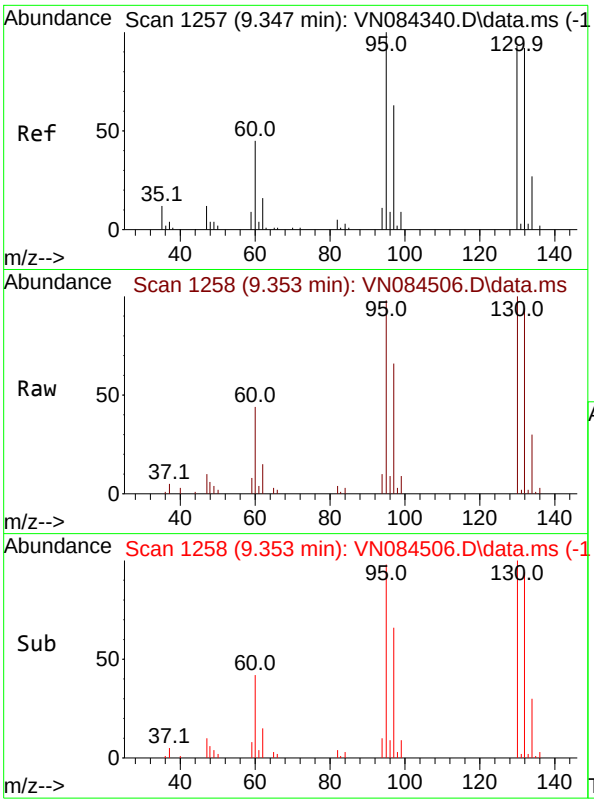


#36
1,2-Dichloroethane
Concen: 18.697 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 62 Resp: 62515

Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.3	10.9



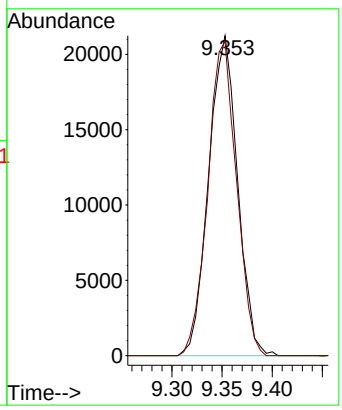


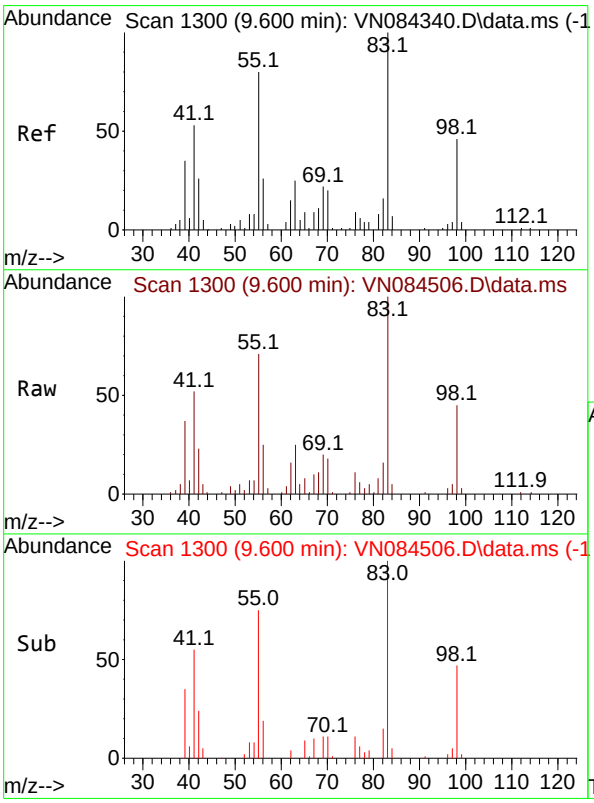
#37
Trichloroethene
Concen: 18.481 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:130 Resp: 42690

Ion	Ratio	Lower	Upper
130	100		
95	98.2	85.8	128.6

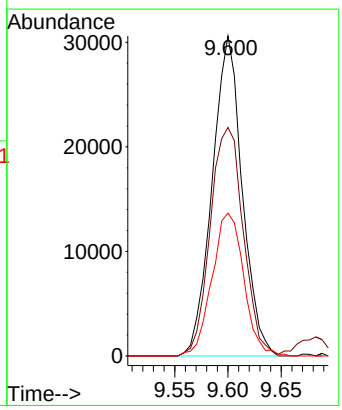


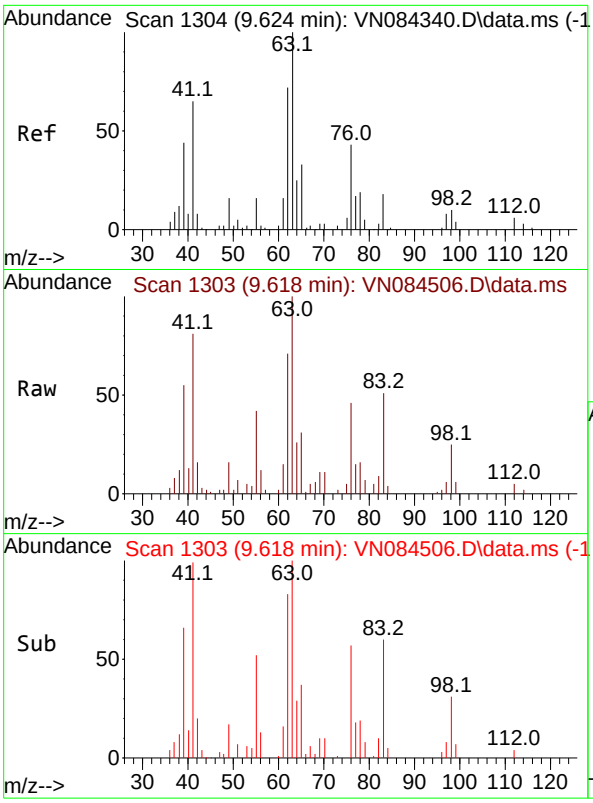


#38
Methylcyclohexane
Concen: 17.056 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 83 Resp: 60037

Ion	Ratio	Lower	Upper
83	100		
55	78.3	39.3	117.8
98	47.2	24.0	72.0



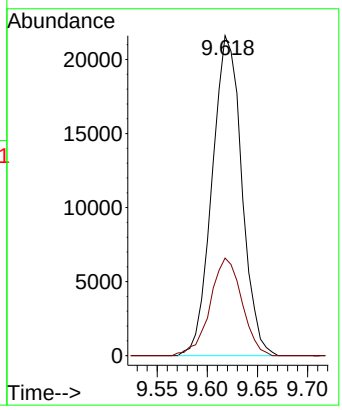


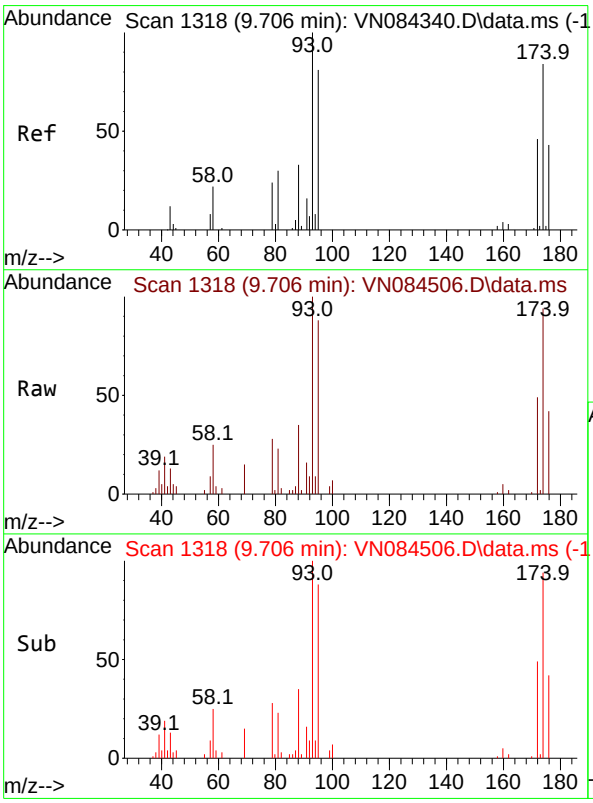
#39
1,2-Dichloropropane
Concen: 18.177 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 63 Resp: 44464

Ion	Ratio	Lower	Upper
63	100		
65	30.5	26.3	39.5

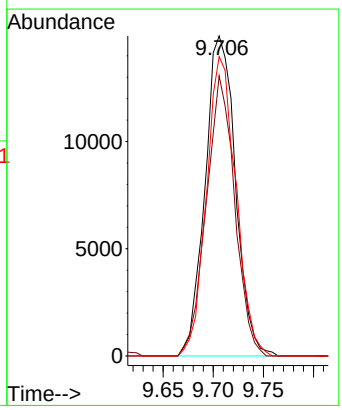


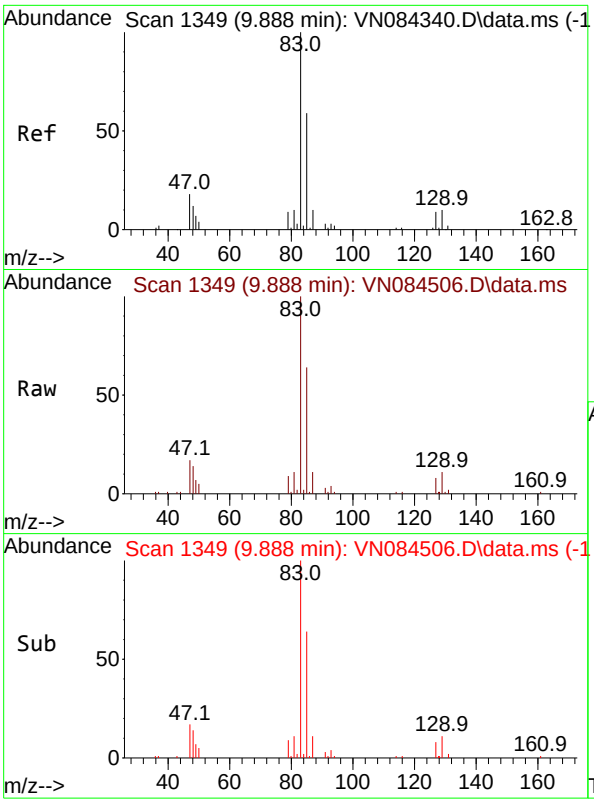


#40
Dibromomethane
Concen: 18.441 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 93 Resp: 31527

Ion	Ratio	Lower	Upper
93	100		
95	81.7	0.0	171.4
174	90.7	0.0	183.0



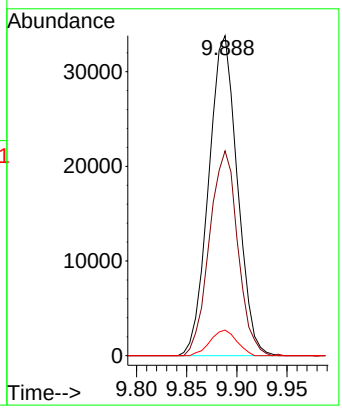


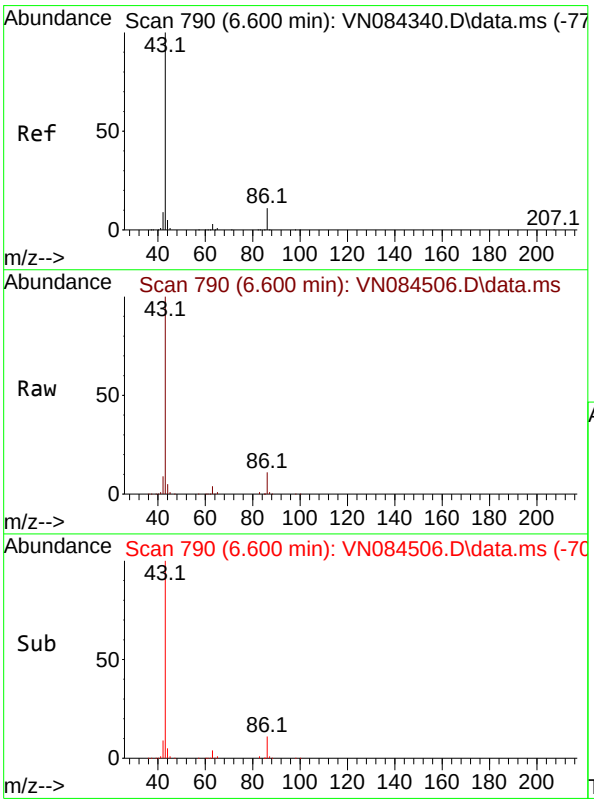
#41
Bromodichloromethane
Concen: 18.491 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 83 Resp: 67112

Ion	Ratio	Lower	Upper
83	100		
85	64.0	47.1	70.7
127	8.0	7.1	10.7

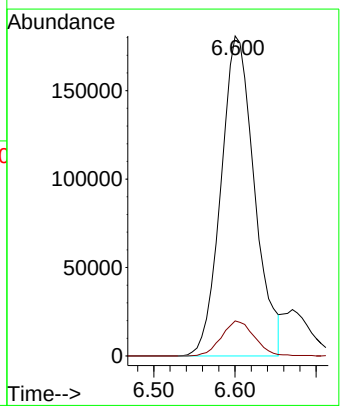


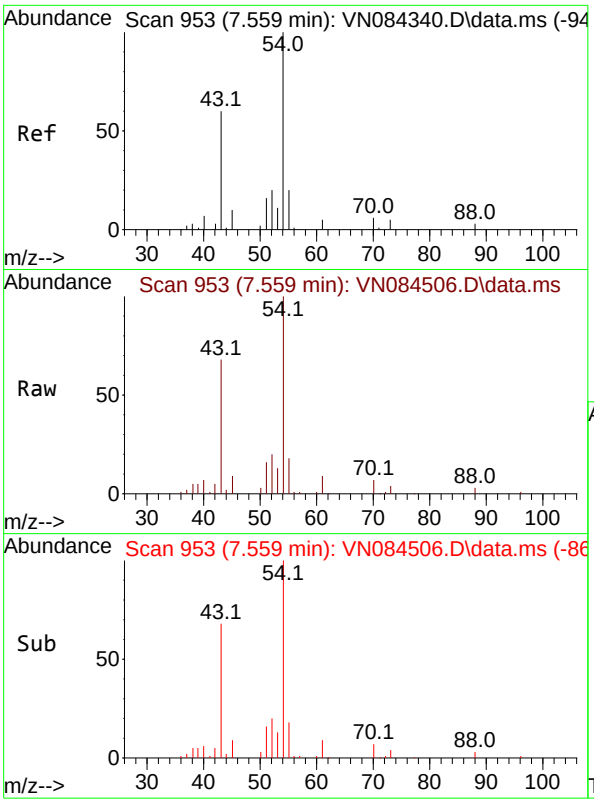


#42
Vinyl Acetate
Concen: 87.481 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 519106

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.5	12.7



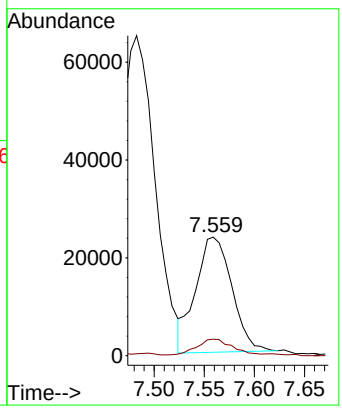


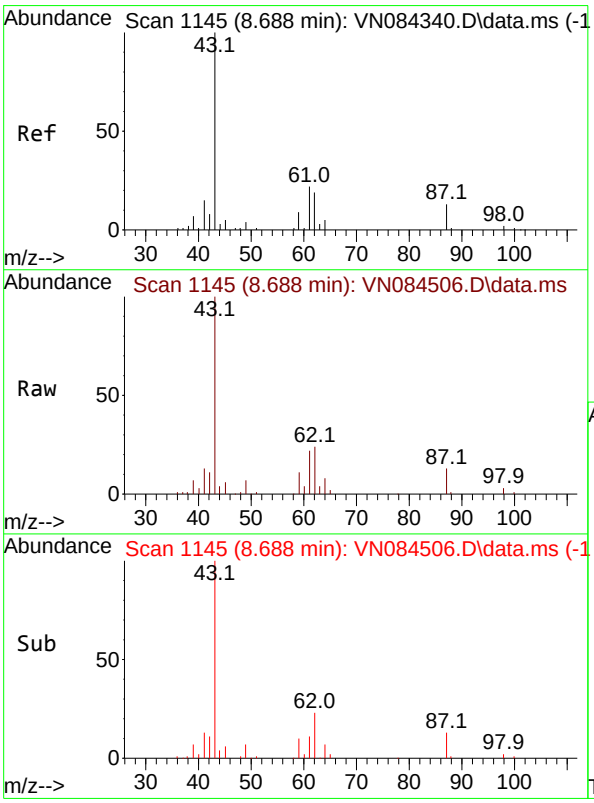
#43
Ethyl Acetate
Concen: 17.652 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 43 Resp: 59398

Ion	Ratio	Lower	Upper
43	100		
45	14.6	10.6	16.0

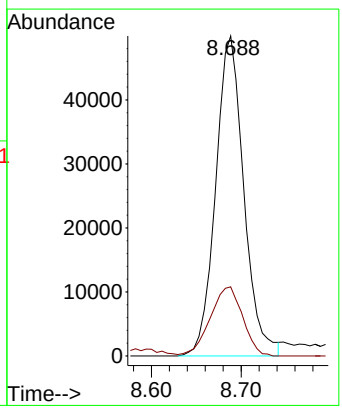


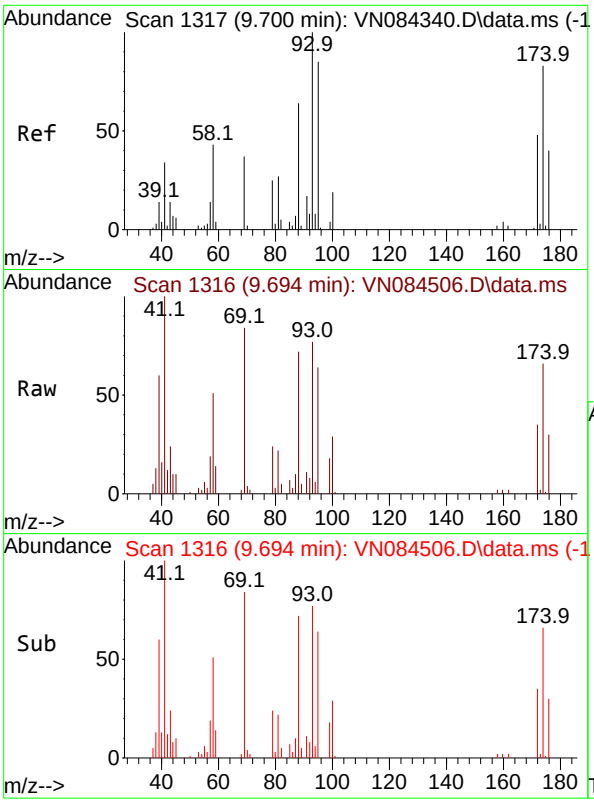


#44
Isopropyl Acetate
Concen: 19.794 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 109016

Ion	Ratio	Lower	Upper
43	100		
61	24.9	21.4	32.2



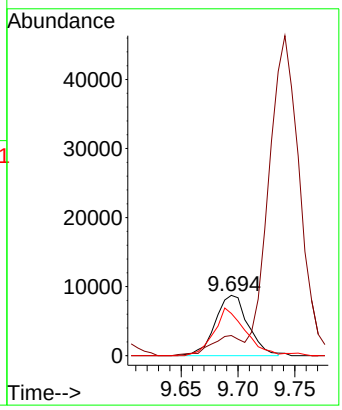


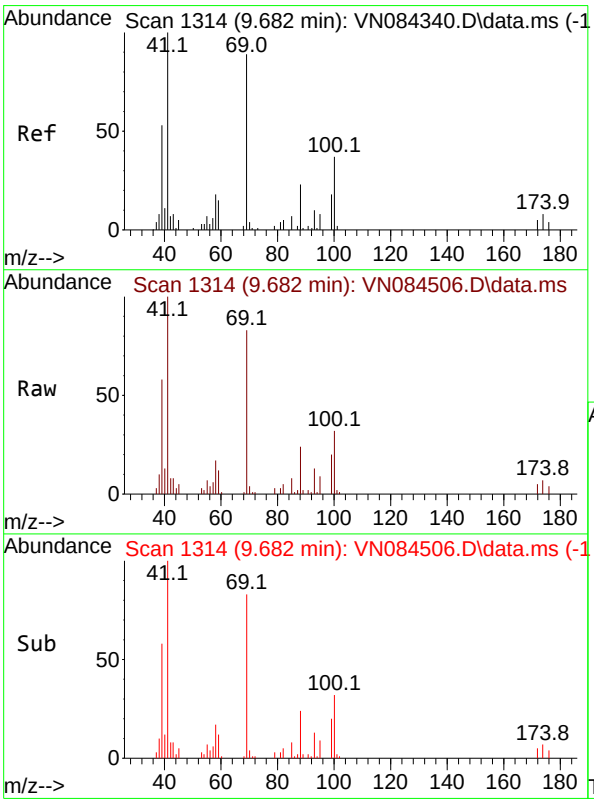
#45
1,4-Dioxane
Concen: 354.009 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 88 Resp: 17576

Ion	Ratio	Lower	Upper
88	100		
43	30.1	22.4	33.6
58	74.1	59.7	89.5

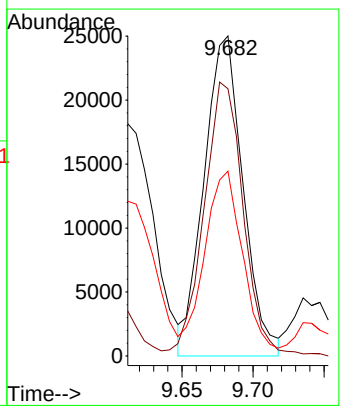


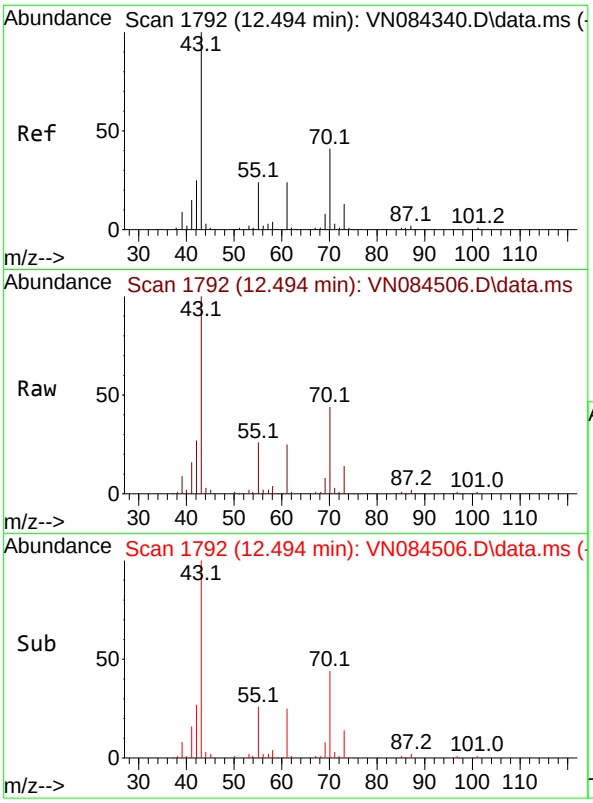


#46
Methyl methacrylate
Concen: 17.961 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 41 Resp: 47794

Ion	Ratio	Lower	Upper
41	100		
69	86.4	42.6	128.0
39	58.5	27.5	82.4



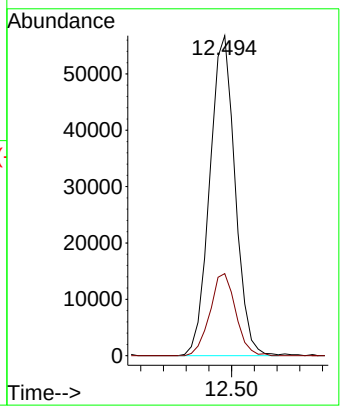


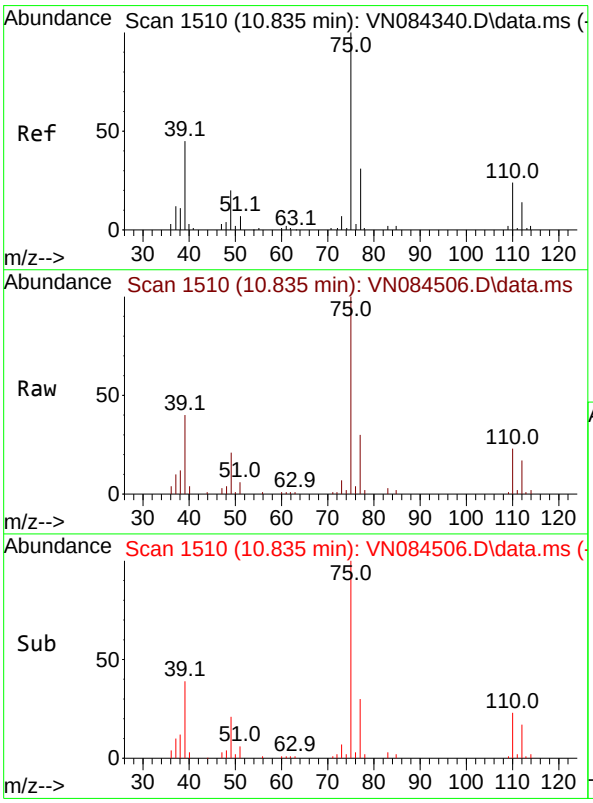
#47
n-amyl Acetate
Concen: 17.937 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 43 Resp: 87873

Ion	Ratio	Lower	Upper
43	100		
55	26.0	20.6	31.0

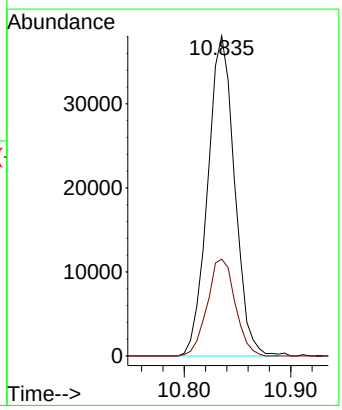


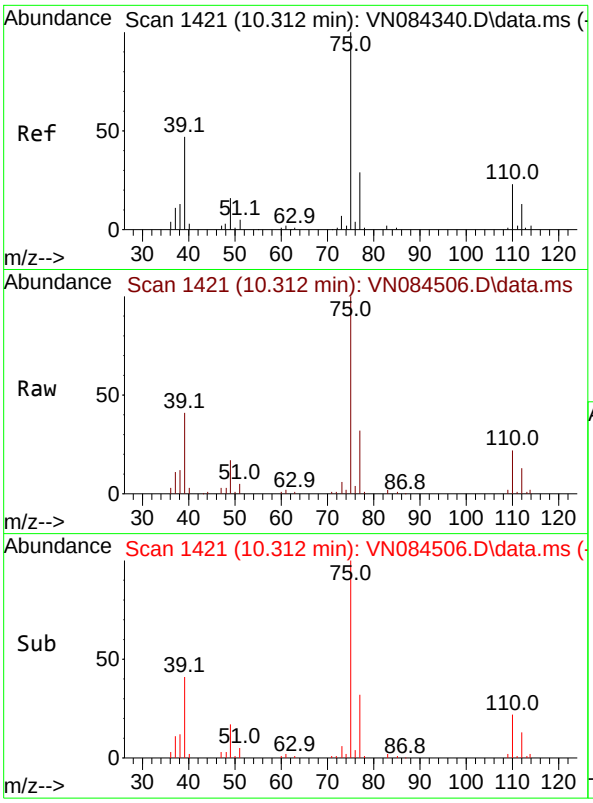


#48
t-1,3-Dichloropropene
Concen: 17.805 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 66779

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.6	37.0



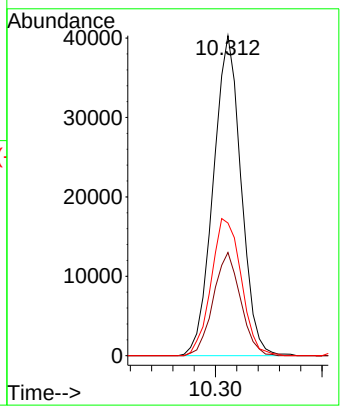


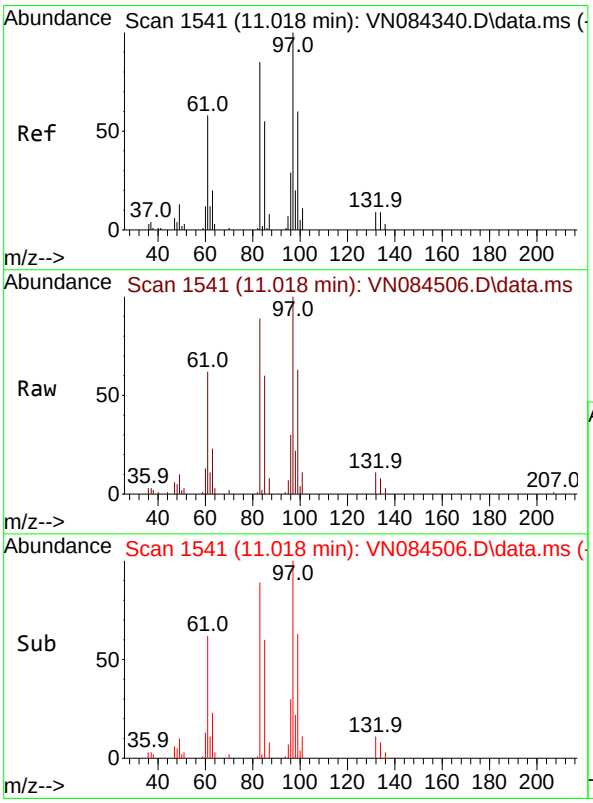
#49
cis-1,3-Dichloropropene
Concen: 18.565 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 75 Resp: 72971

Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.9	34.3
39	41.5	37.4	56.2

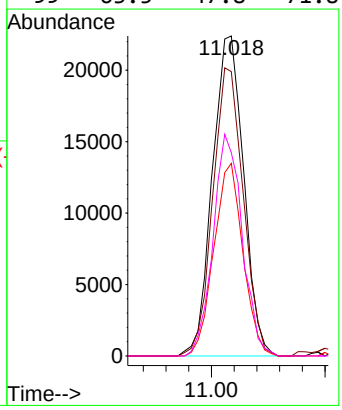


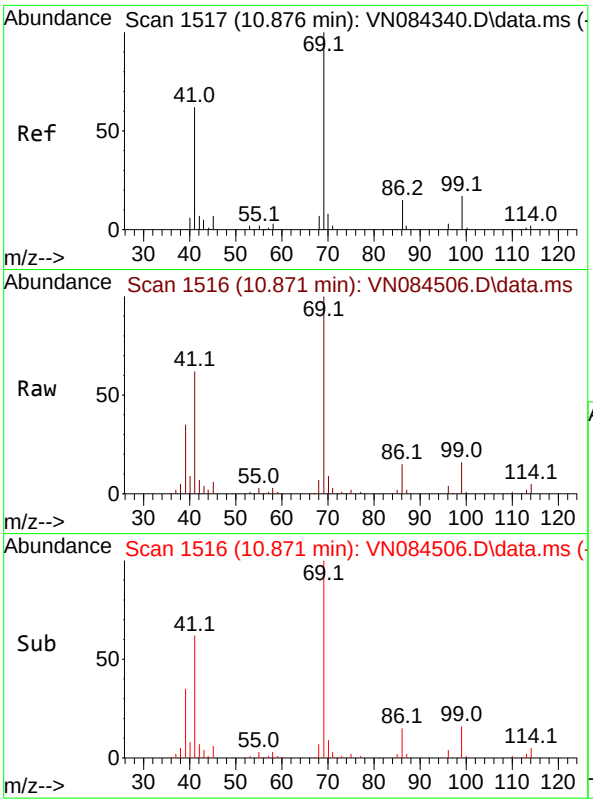


#50
1,1,2-Trichloroethane
Concen: 18.584 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 97 Resp: 42706

Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.8	101.8
85	60.2	44.2	66.2
99	63.5	47.8	71.8



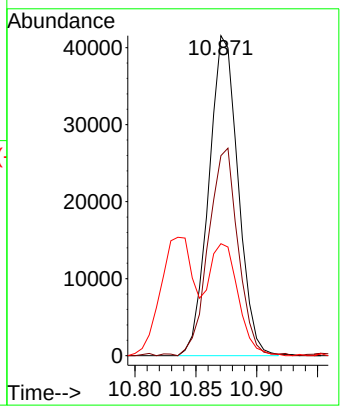


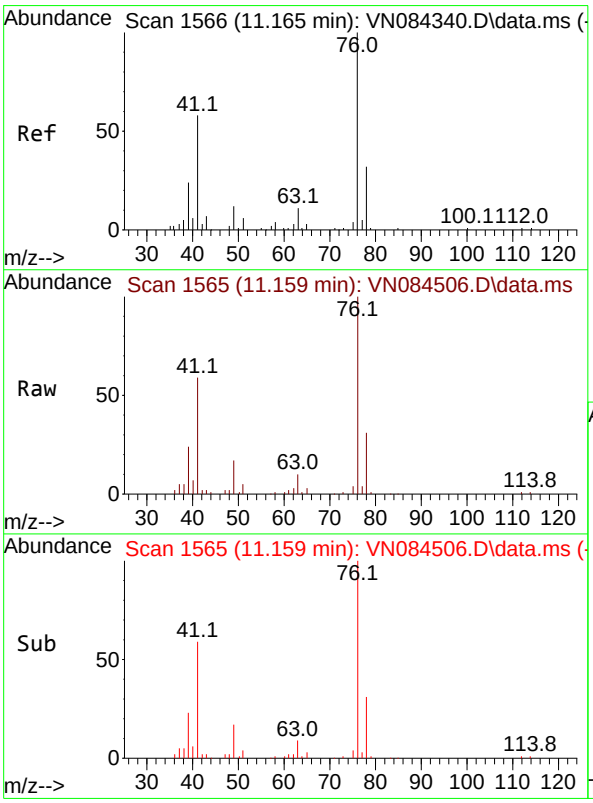
#51
Ethyl methacrylate
Concen: 18.314 ug/l
RT: 10.871 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 69 Resp: 69514

Ion	Ratio	Lower	Upper
69	100		
41	62.5	30.9	92.7
39	34.5	16.6	49.7

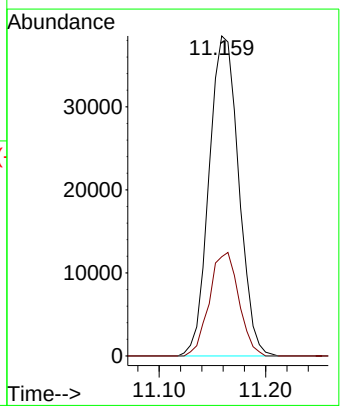


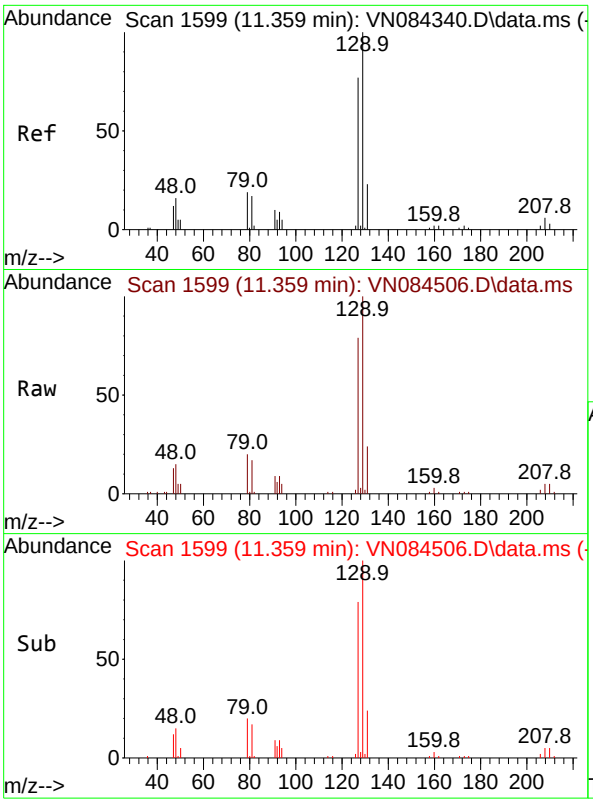


#52
1,3-Dichloropropane
Concen: 18.534 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 76 Resp: 74470

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2



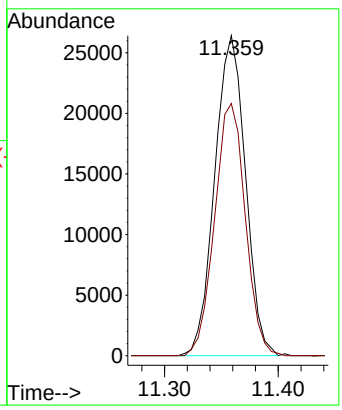


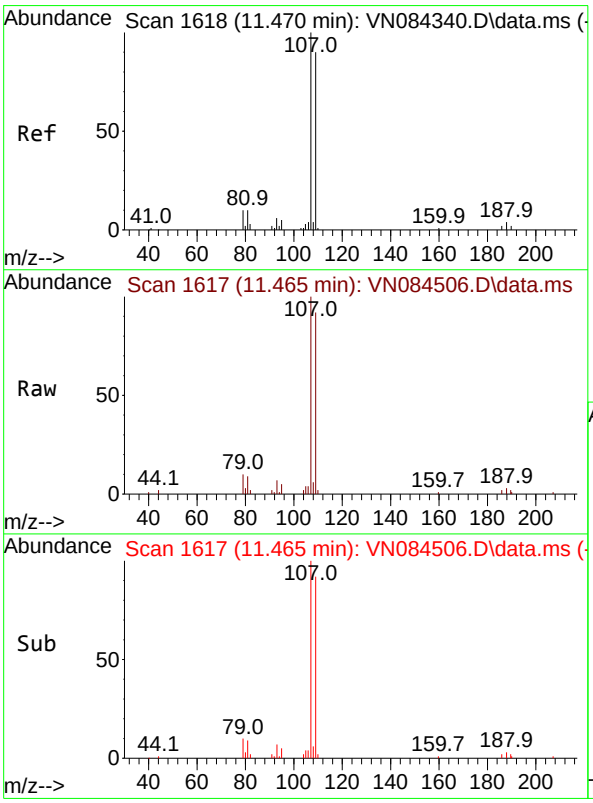
#53
Dibromochloromethane
Concen: 18.294 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:129 Resp: 49660

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

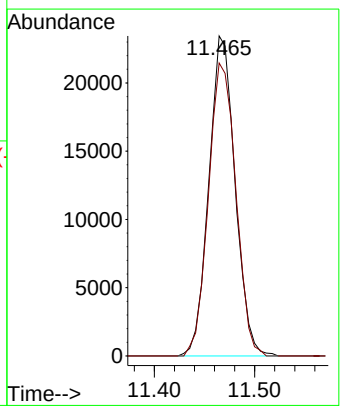


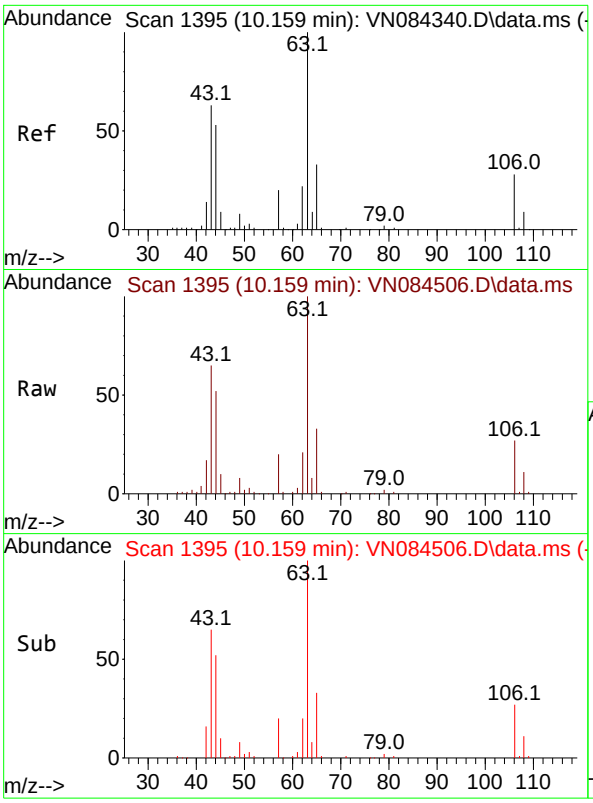


#54
1,2-Dibromoethane
Concen: 17.974 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:107 Resp: 42517

Ion	Ratio	Lower	Upper
107	100		
109	95.5	73.8	110.6



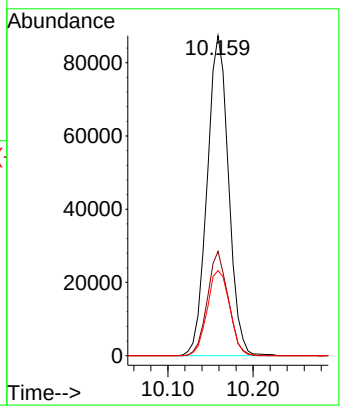


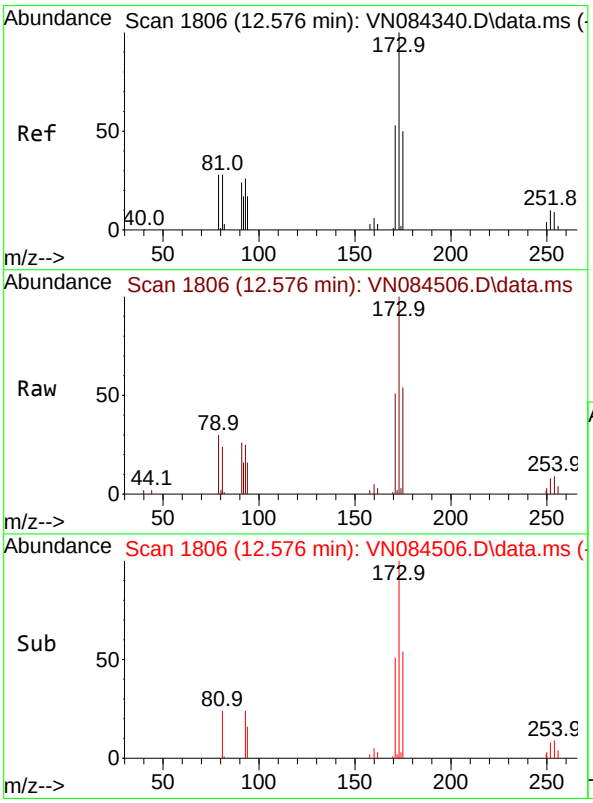
#55
2-Chloroethyl vinyl ether
Concen: 88.579 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 63 Resp: 152493

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.6	38.4
106	28.0	21.6	32.4

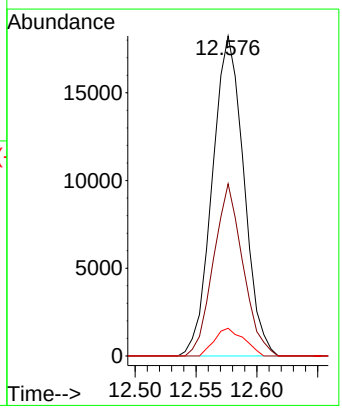


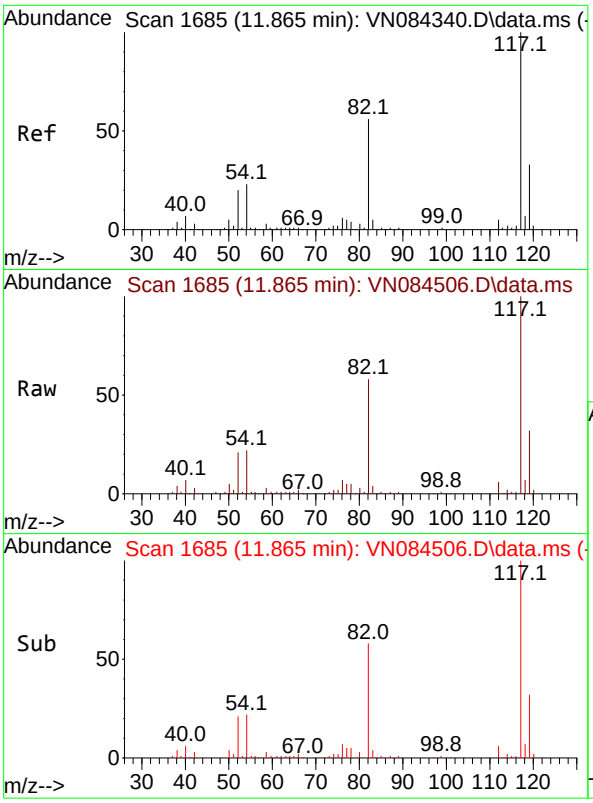


#56
Bromoform
Concen: 18.203 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:173 Resp: 32774

Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.4	59.2
254	8.1	6.8	10.2



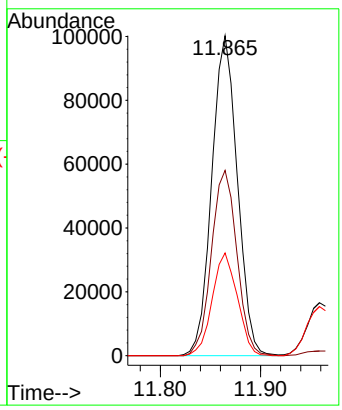


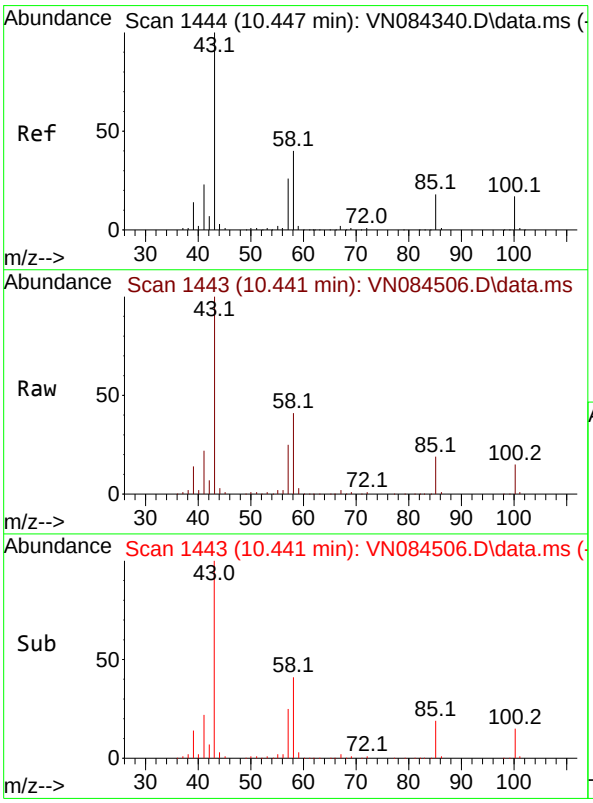
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:117 Resp: 177752

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.2	69.4
119	31.6	25.4	38.2

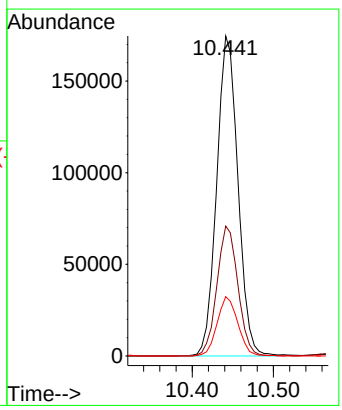


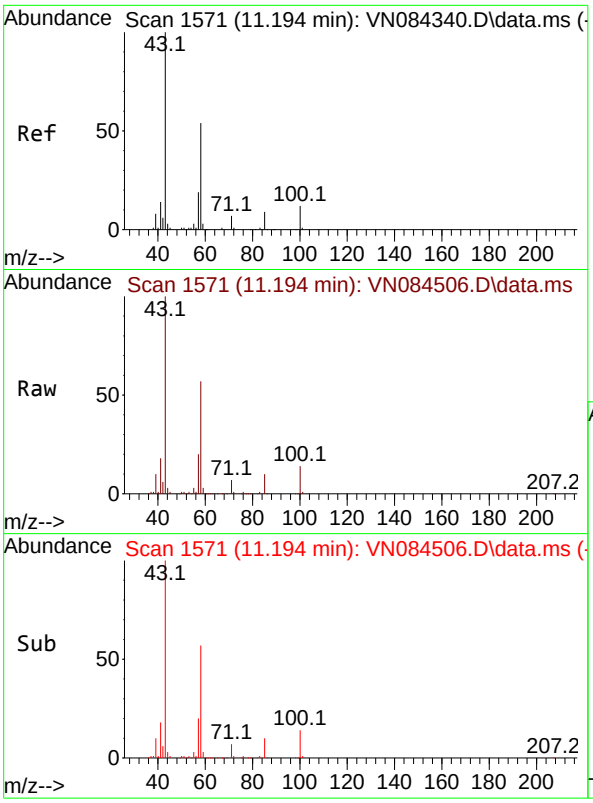


#58
4-Methyl-2-Pentanone
Concen: 95.920 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 43 Resp: 317615

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.9	47.9
85	18.1	14.6	22.0



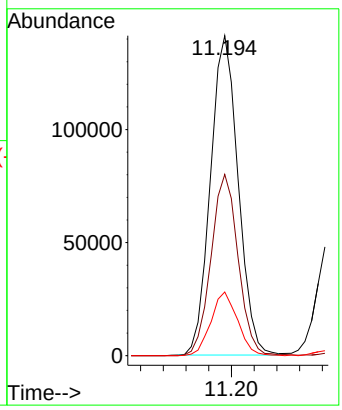


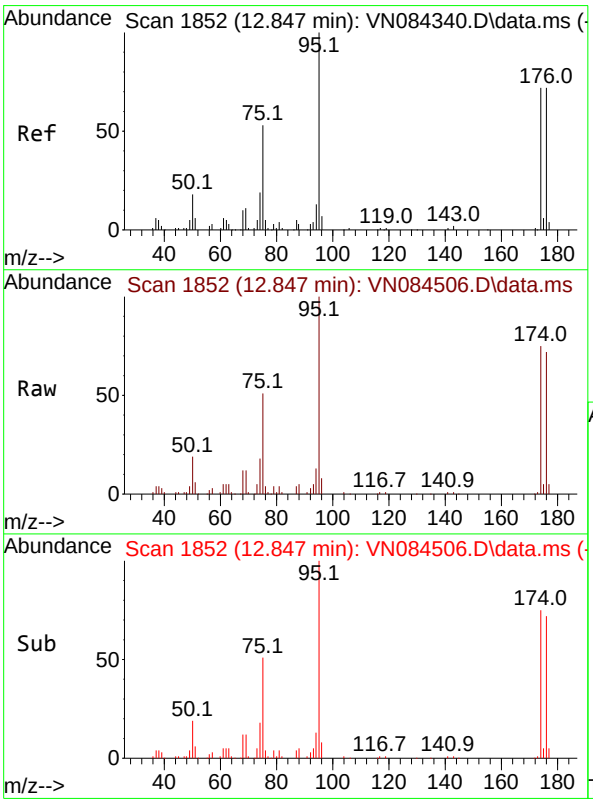
#59
2-Hexanone
Concen: 97.299 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 43 Resp: 239404

Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.0	66.0
57	19.2	15.4	23.2

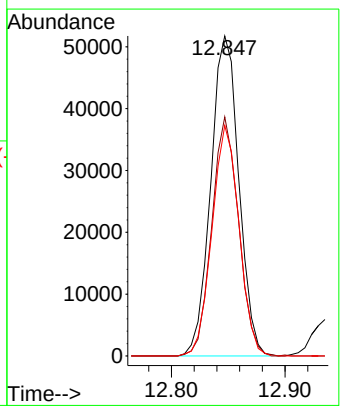


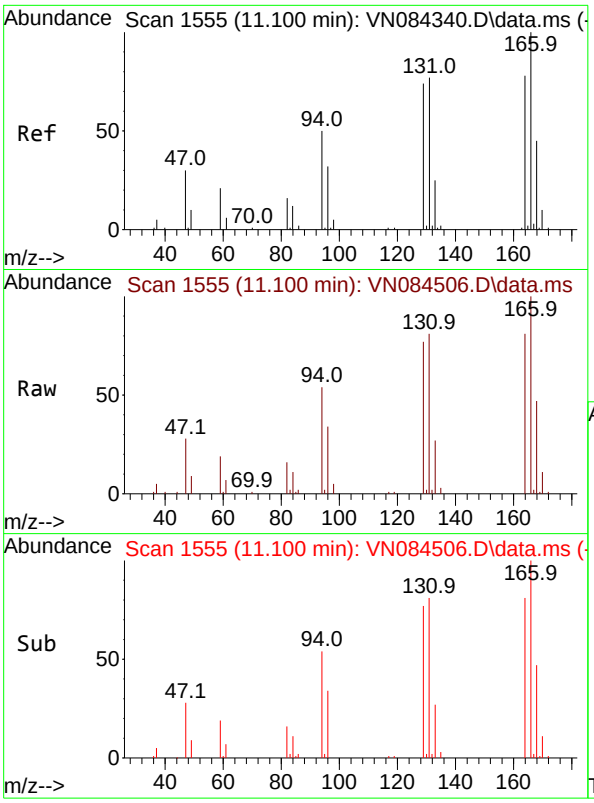


#60
4-Bromofluorobenzene
Concen: 30.291 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 95 Resp: 88864

Ion	Ratio	Lower	Upper
95	100		
174	71.0	58.2	87.2
176	69.4	56.4	84.6



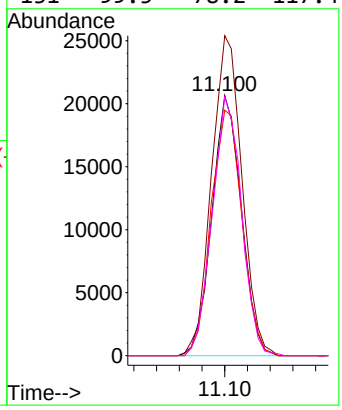


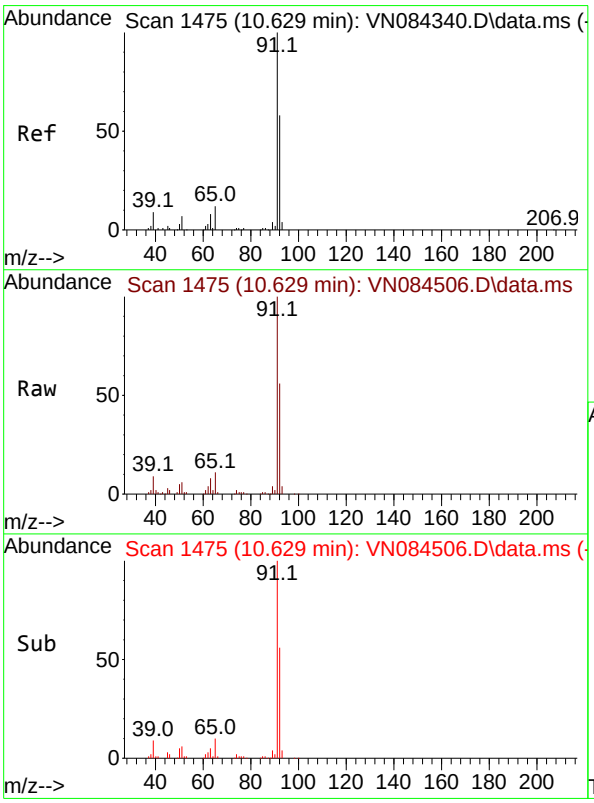
#61
Tetrachloroethene
Concen: 18.541 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:164 Resp: 37279

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.5	153.7
129	94.4	75.7	113.5
131	99.5	78.2	117.4

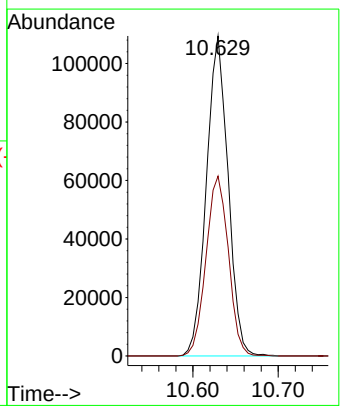


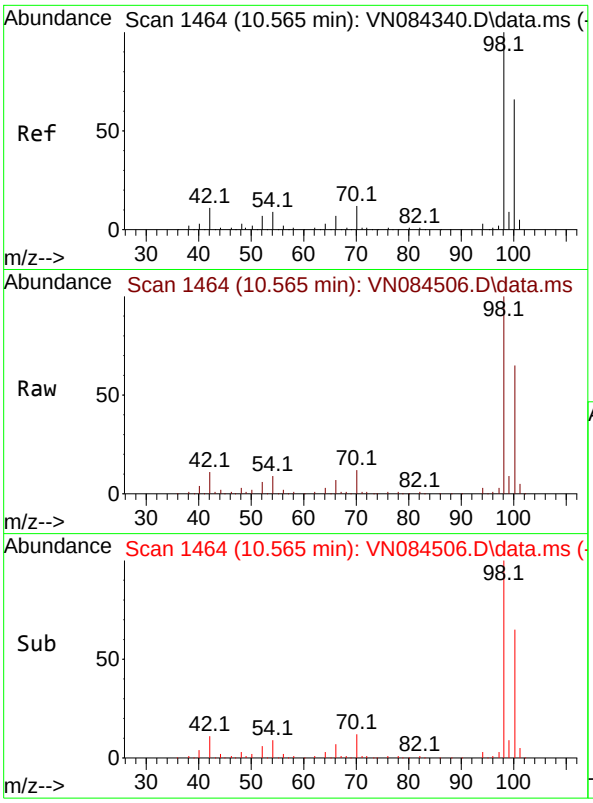


#62
Toluene
Concen: 18.564 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 193173

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.2	70.8



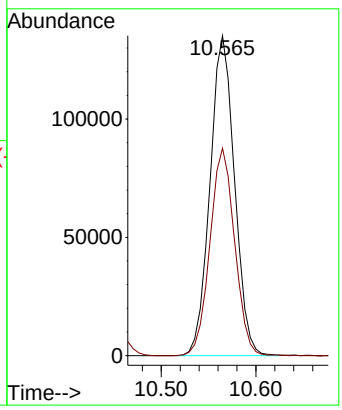


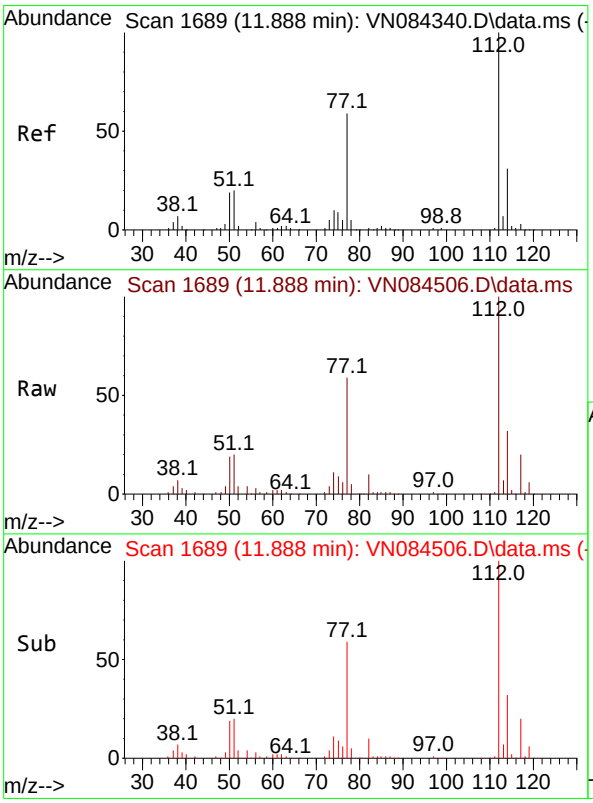
#63
Toluene-d8
Concen: 29.532 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 98 Resp: 243186

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.5	78.7

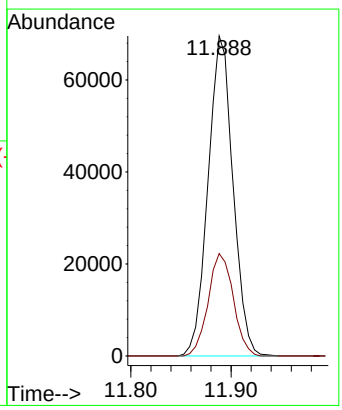


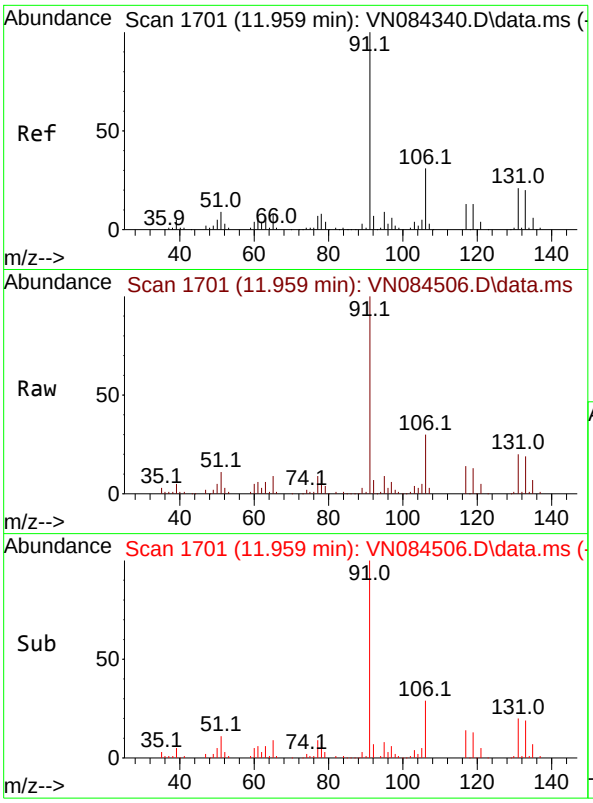


#64
Chlorobenzene
Concen: 18.532 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:112 Resp: 120005

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7



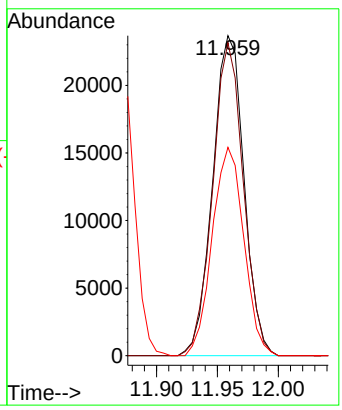


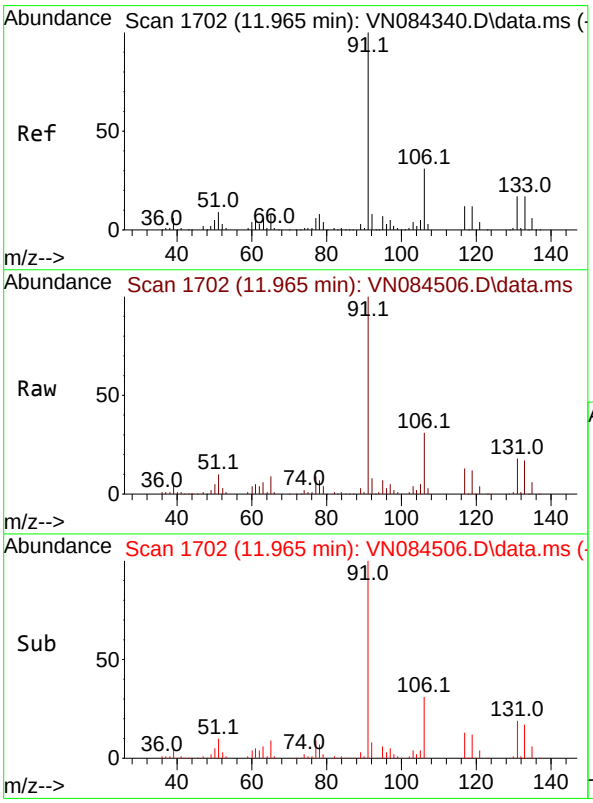
#65
1,1,1,2-Tetrachloroethane
Concen: 18.860 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:131 Resp: 42428

Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	190.4
119	65.7	0.0	130.0

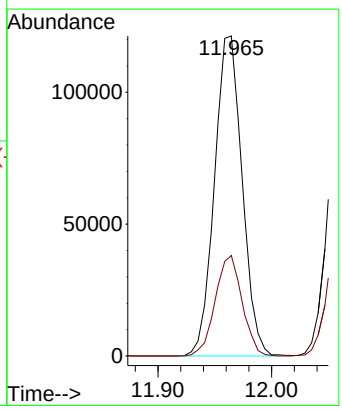


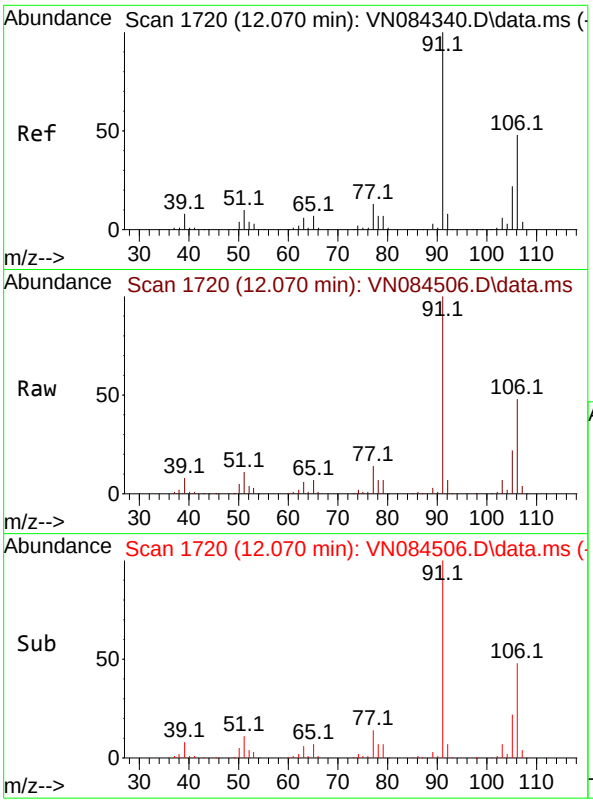


#66
Ethyl Benzene
Concen: 18.185 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 205594

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.2	37.8



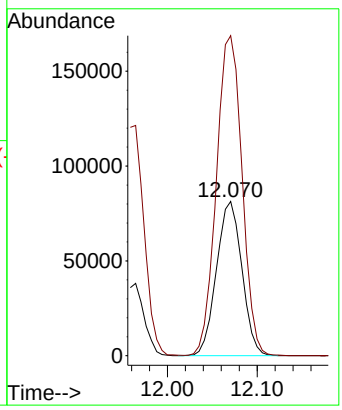


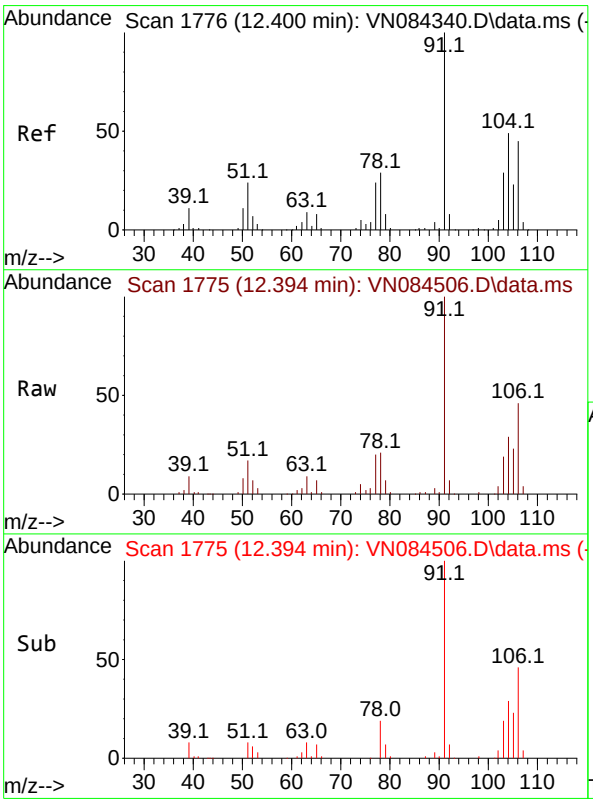
#67
m/p-Xylenes
Concen: 37.286 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:106 Resp: 159912

Ion	Ratio	Lower	Upper
106	100		
91	209.4	166.7	250.1

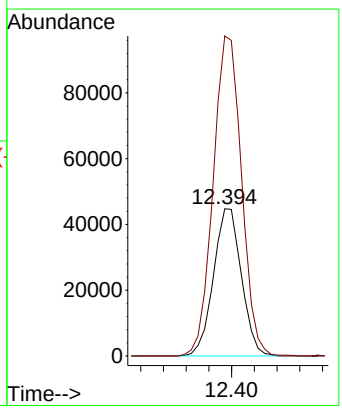


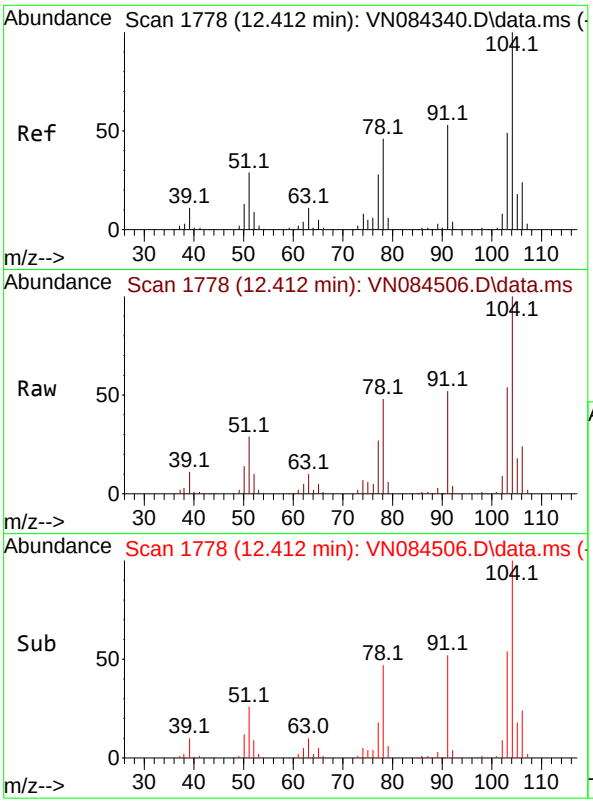


#68
o-Xylene
Concen: 18.463 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:106 Resp: 76327

Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.9	332.9



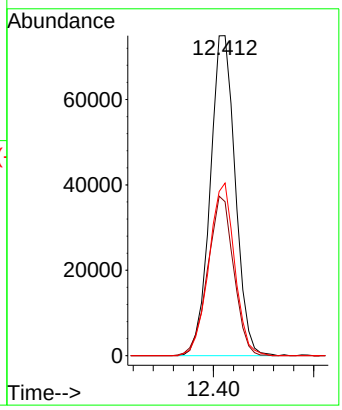


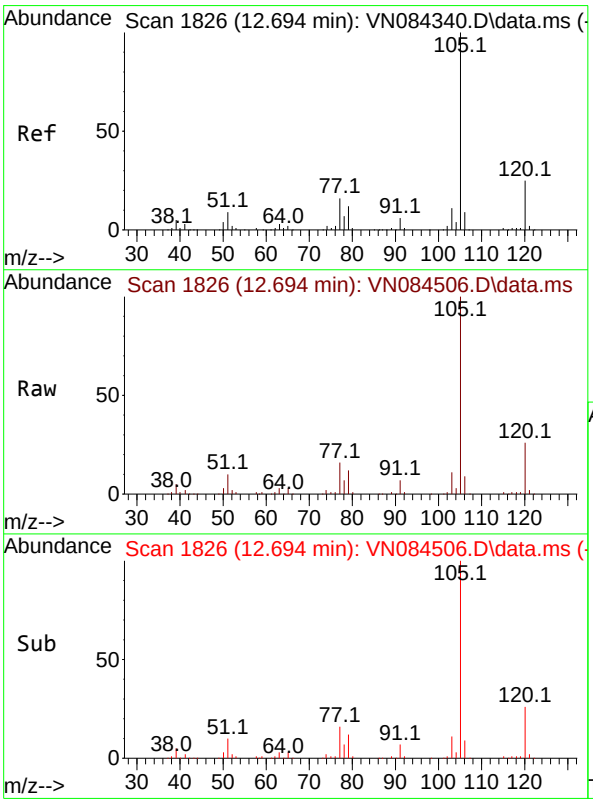
#69
Styrene
Concen: 18.321 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:104 Resp: 130016

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	55.4	44.4	66.6

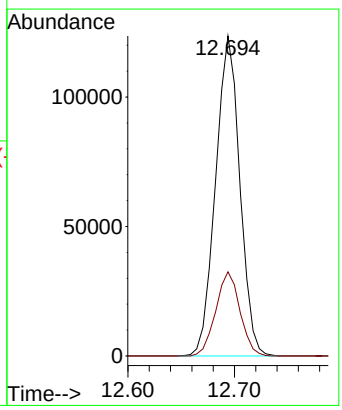


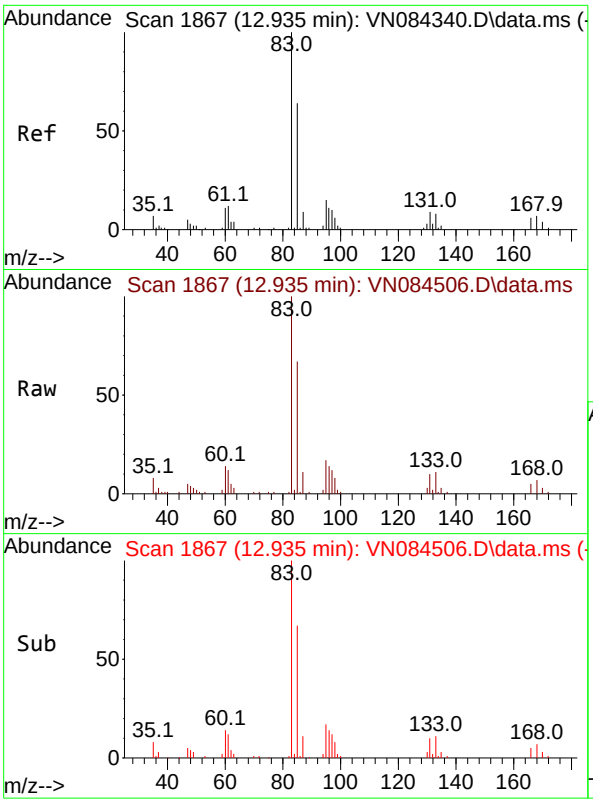


#70
Isopropylbenzene
Concen: 18.487 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 195104

Ion	Ratio	Lower	Upper
105	100		
120	26.2	17.4	32.4



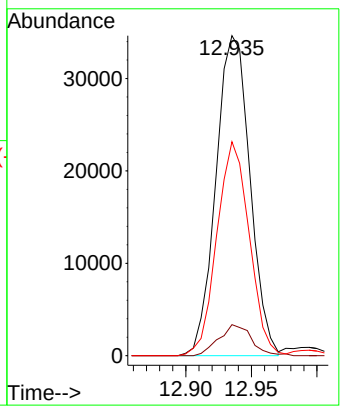


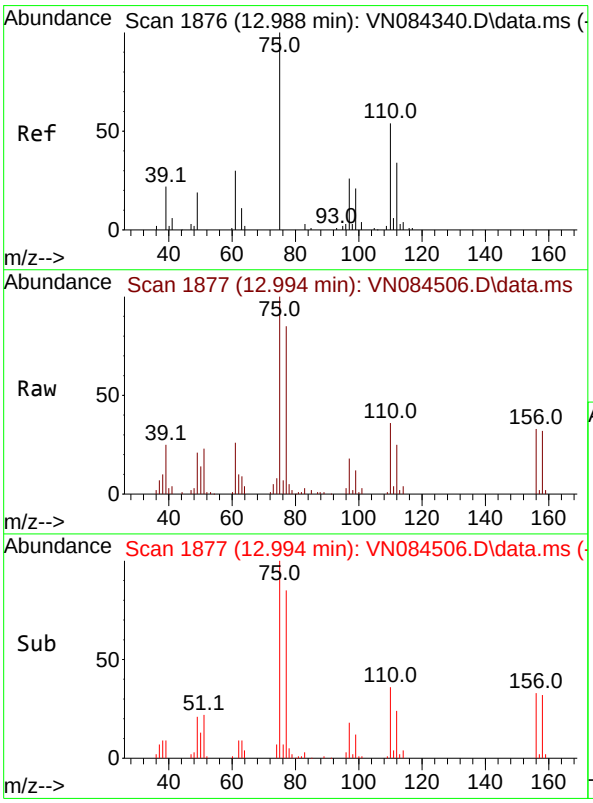
#71
1,1,2,2-Tetrachloroethane
Concen: 19.140 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 83 Resp: 62486

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.1	15.3
85	63.6	32.0	96.2

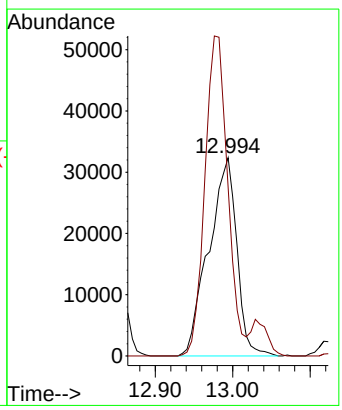


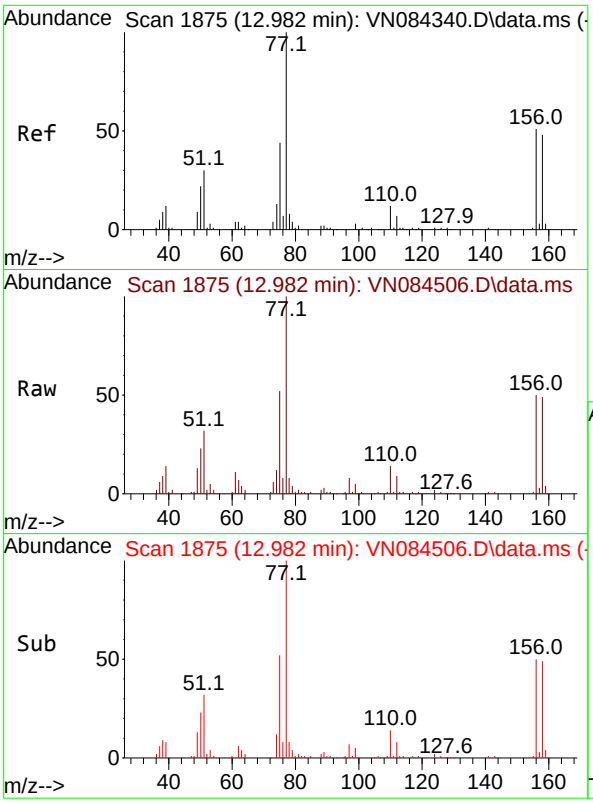


#72
1,2,3-Trichloropropane
Concen: 29.108 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 81385

Ion	Ratio	Lower	Upper
75	100		
77	131.4	0.0	414.0



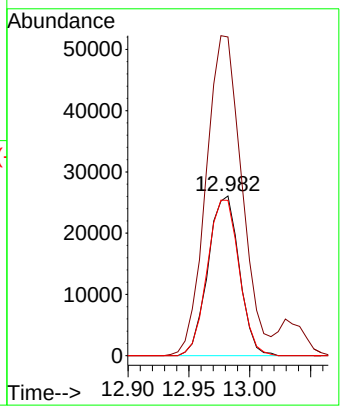


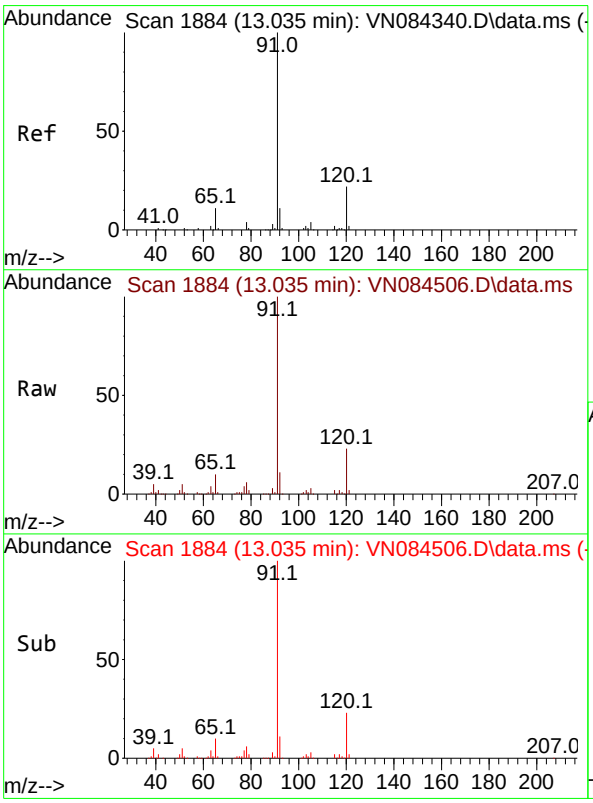
#73
Bromobenzene
Concen: 18.224 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:156 Resp: 46579

Ion	Ratio	Lower	Upper
156	100		
77	229.5	0.0	451.0
158	99.6	0.0	194.6

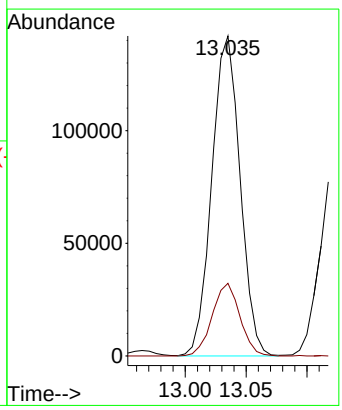


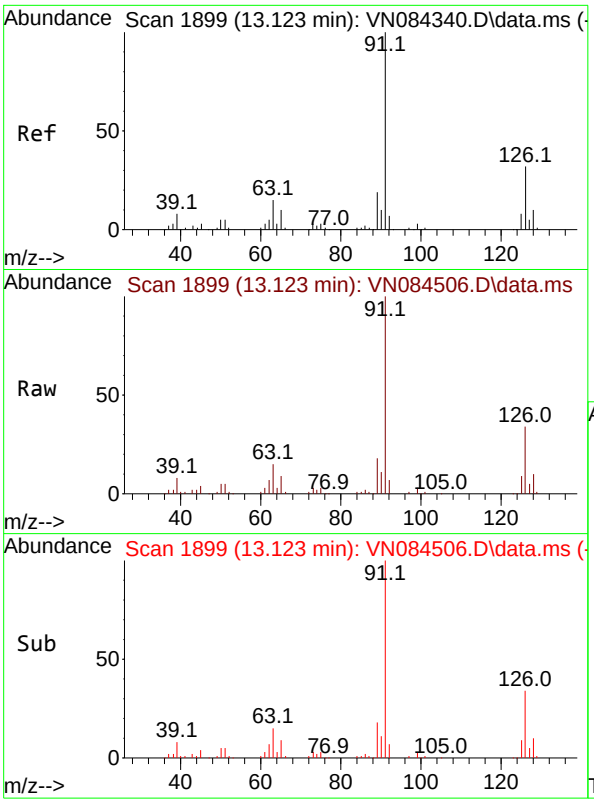


#74
n-propylbenzene
Concen: 18.253 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 229550

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	43.2



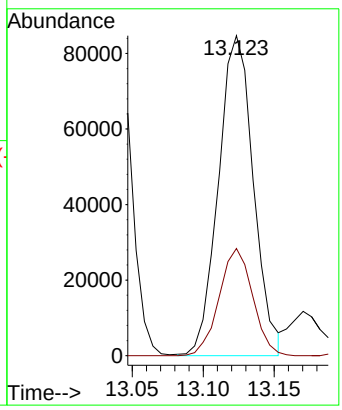


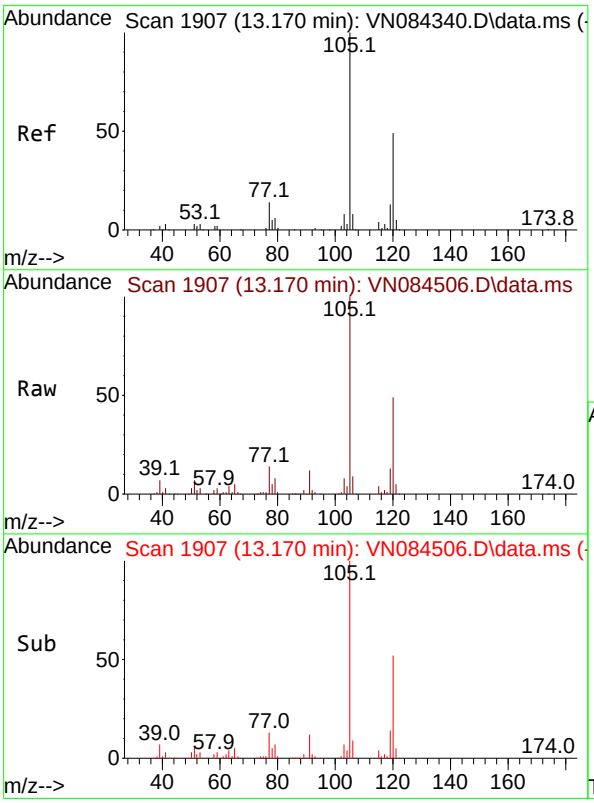
#75
2-Chlorotoluene
Concen: 18.580 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 91 Resp: 145197

Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	64.0

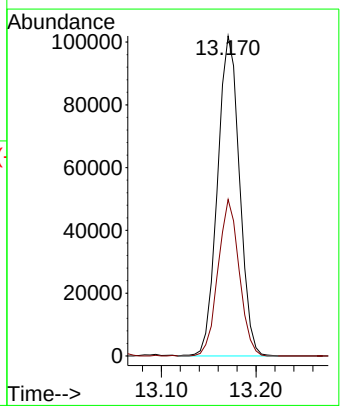


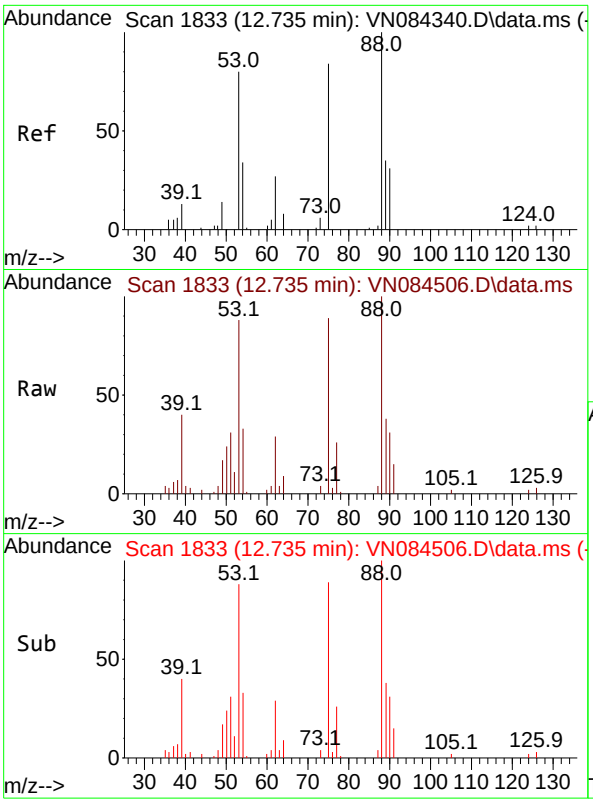


#76
1,3,5-Trimethylbenzene
Concen: 18.518 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 164553

Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	94.4



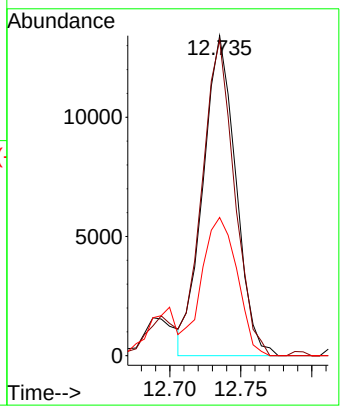


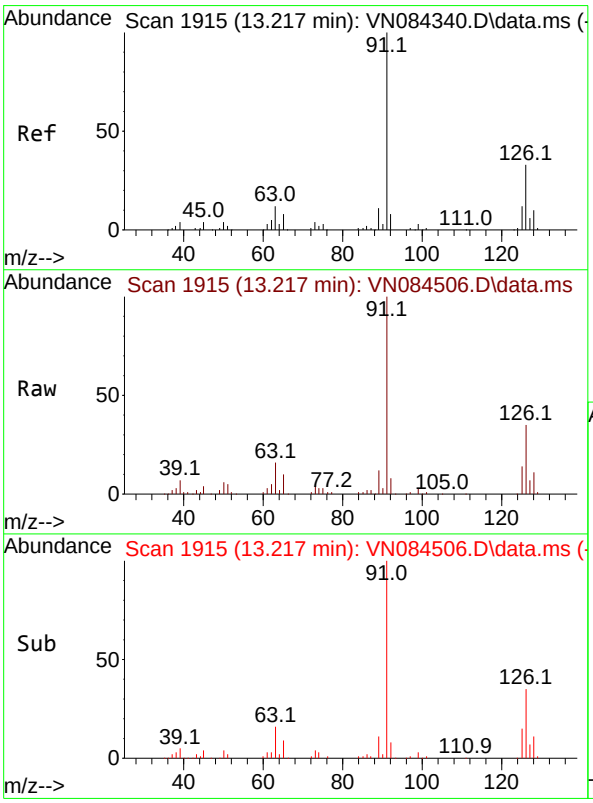
#77
t-1,4-Dichloro-2-butene
Concen: 18.017 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 75 Resp: 21527

Ion	Ratio	Lower	Upper
75	100		
53	98.7	47.3	142.0
89	43.2	22.9	68.8

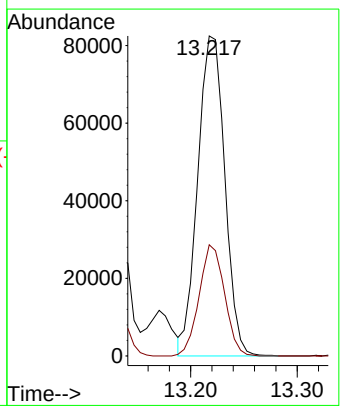


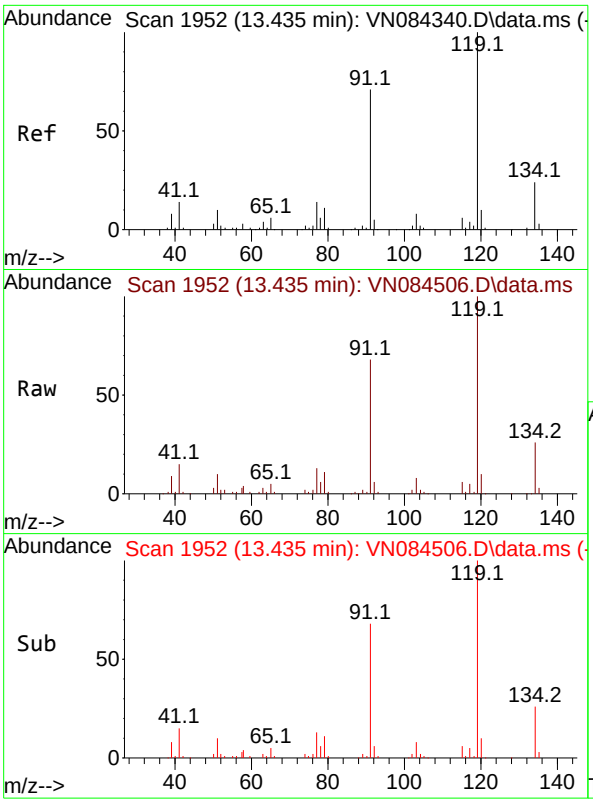


#78
4-Chlorotoluene
Concen: 18.332 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 91 Resp: 145653

Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	62.4



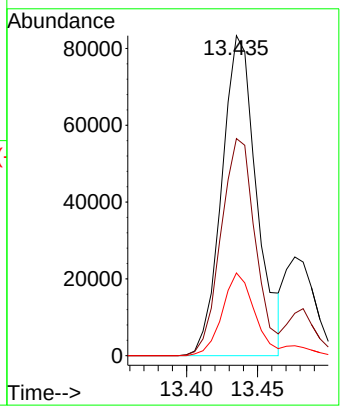


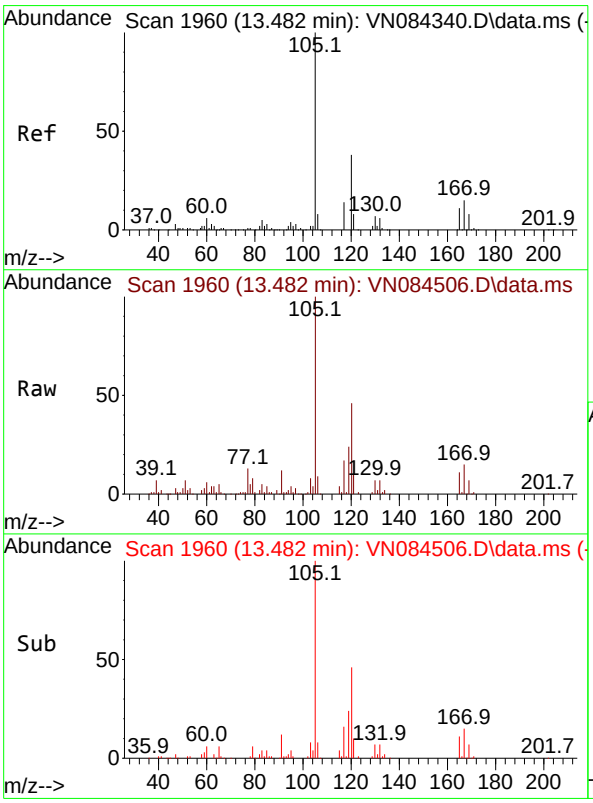
#79
tert-butylbenzene
Concen: 18.822 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:119 Resp: 142685

Ion	Ratio	Lower	Upper
119	100		
91	67.1	0.0	138.0
134	23.8	0.0	48.8

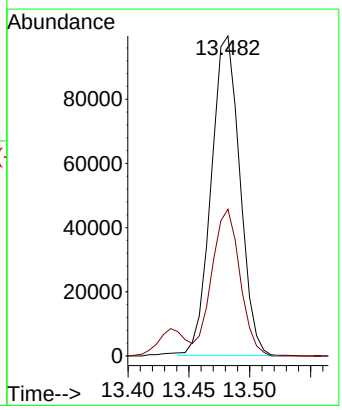


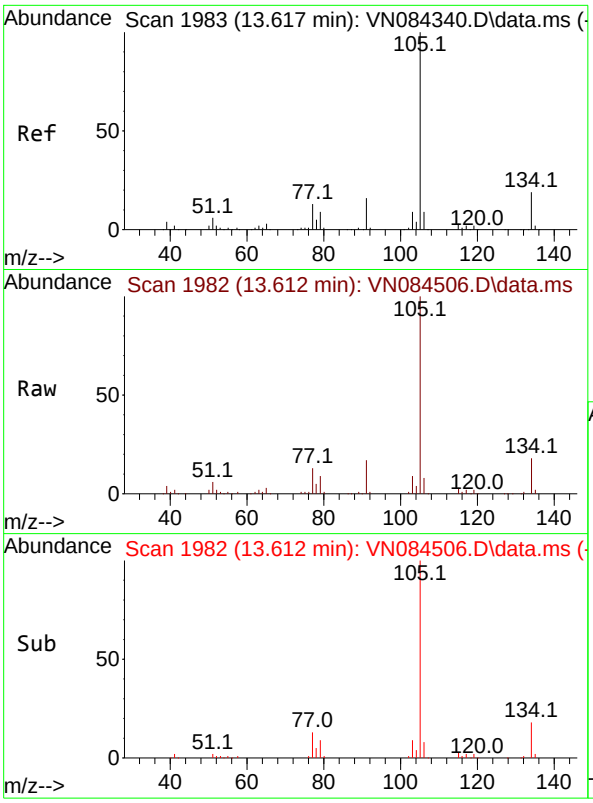


#80
1,2,4-Trimethylbenzene
Concen: 18.059 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:105 Resp: 162818

Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	88.8



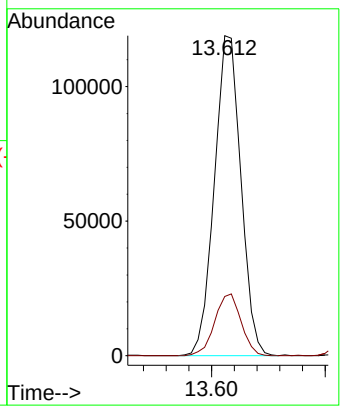


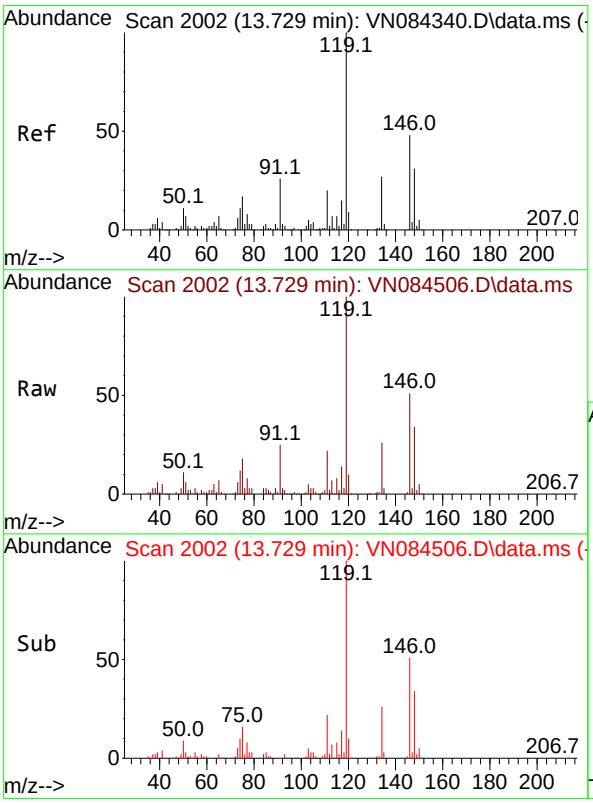
#81
sec-Butylbenzene
Concen: 18.474 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:105 Resp: 192819

Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	38.0

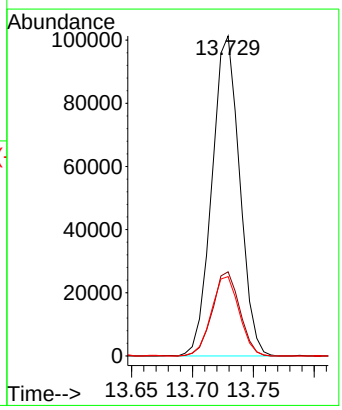


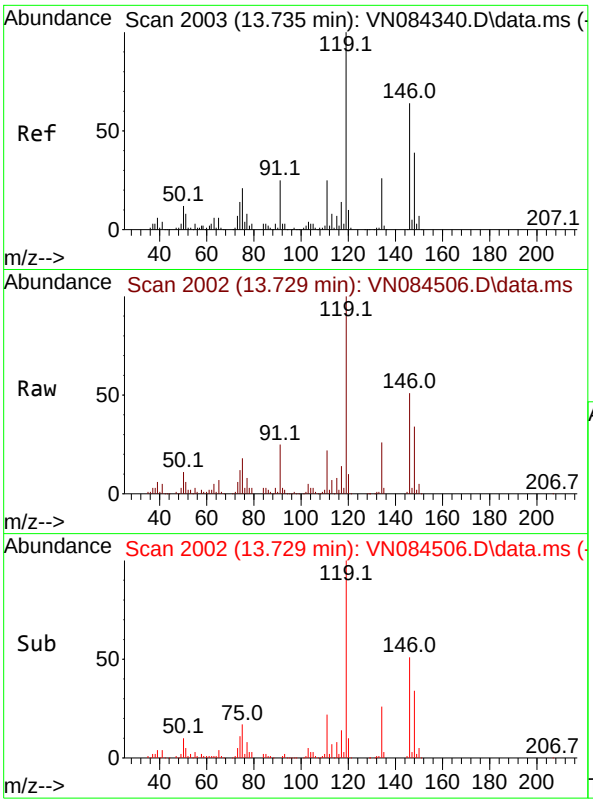


#82
p-Isopropyltoluene
Concen: 18.252 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:119 Resp: 160343

Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	50.2
91	25.0	0.0	50.6



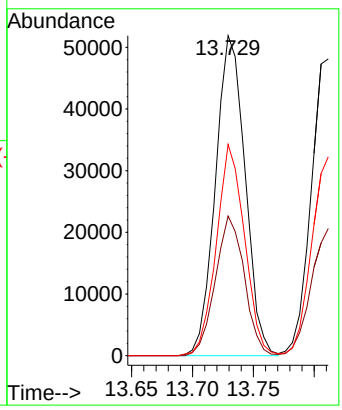


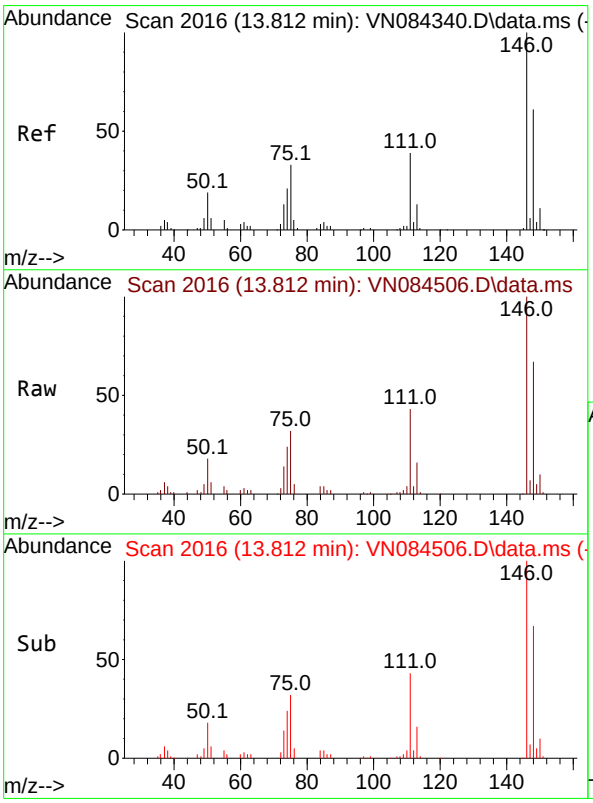
#83
1,3-Dichlorobenzene
Concen: 18.496 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:146 Resp: 87899

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	62.9	31.6	94.7

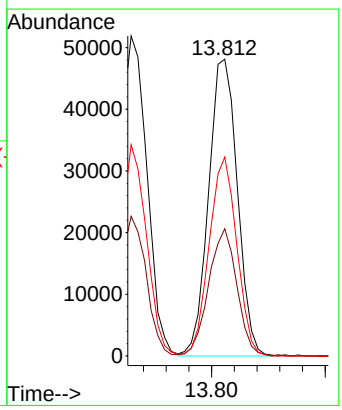


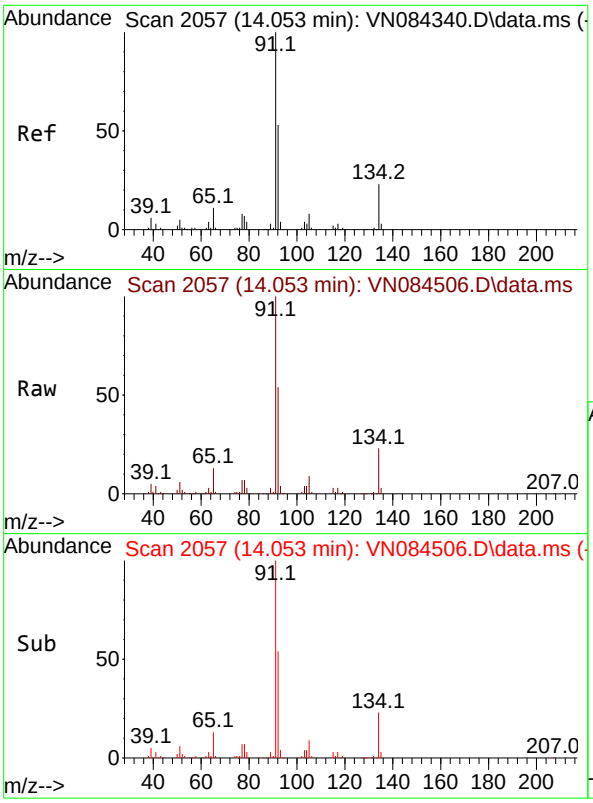


#84
1,4-Dichlorobenzene
Concen: 17.962 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:146 Resp: 84764

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	64.3	32.5	97.4



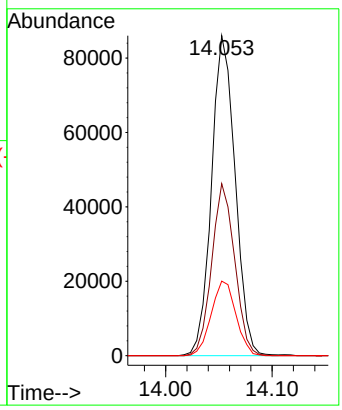


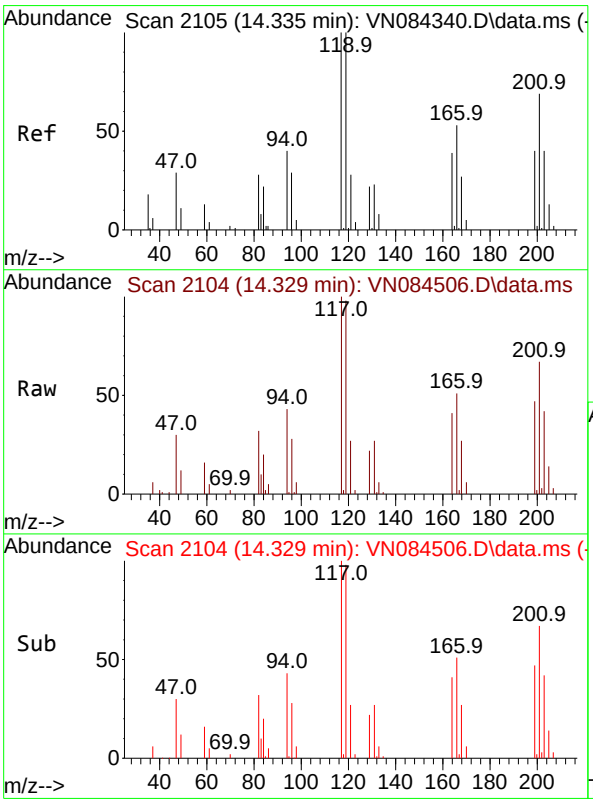
#85
n-Butylbenzene
Concen: 17.435 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion: 91 Resp: 132654

Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	103.4
134	24.4	0.0	48.0

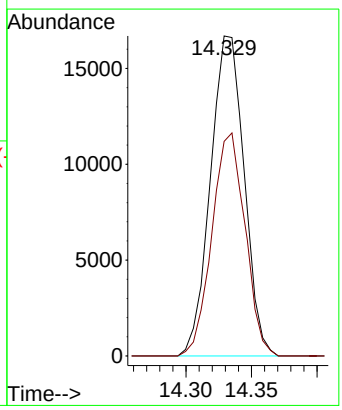


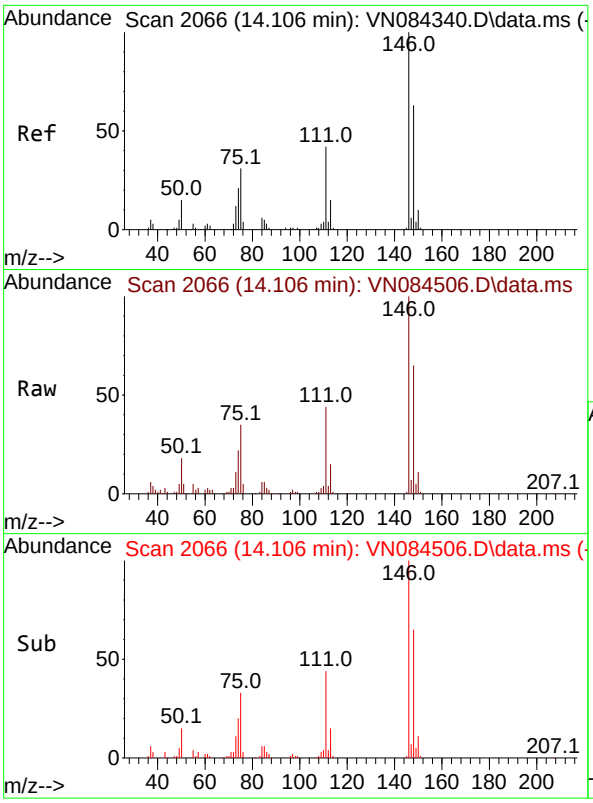


#86
Hexachloroethane
Concen: 17.647 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:117 Resp: 29867

Ion	Ratio	Lower	Upper
117	100		
201	68.5	33.9	101.6



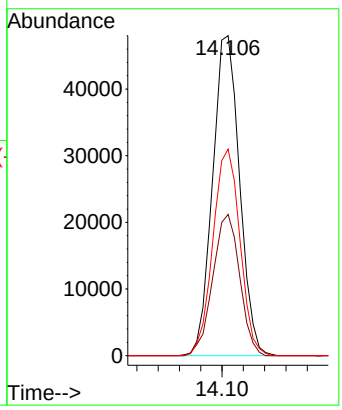


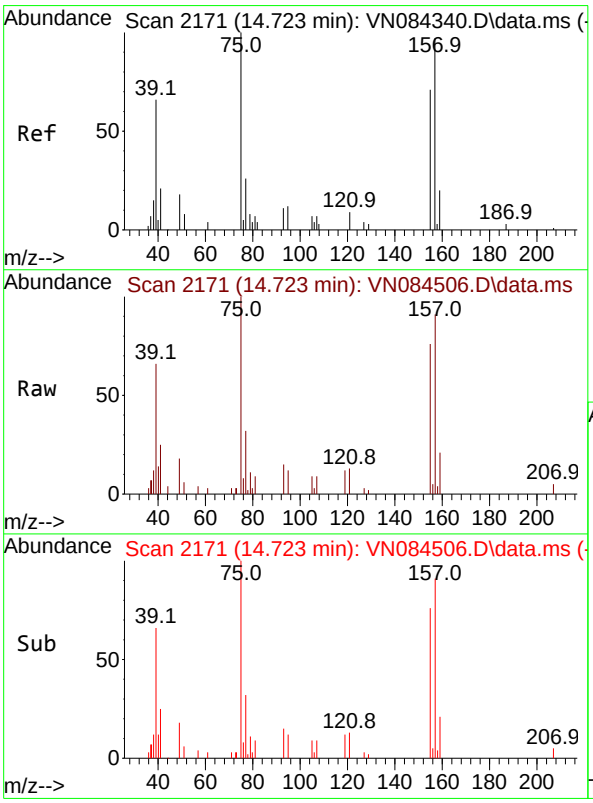
#87
1,2-Dichlorobenzene
Concen: 18.350 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:146 Resp: 84315

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.5
148	64.7	31.1	93.5

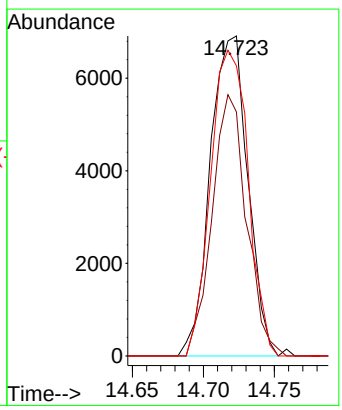


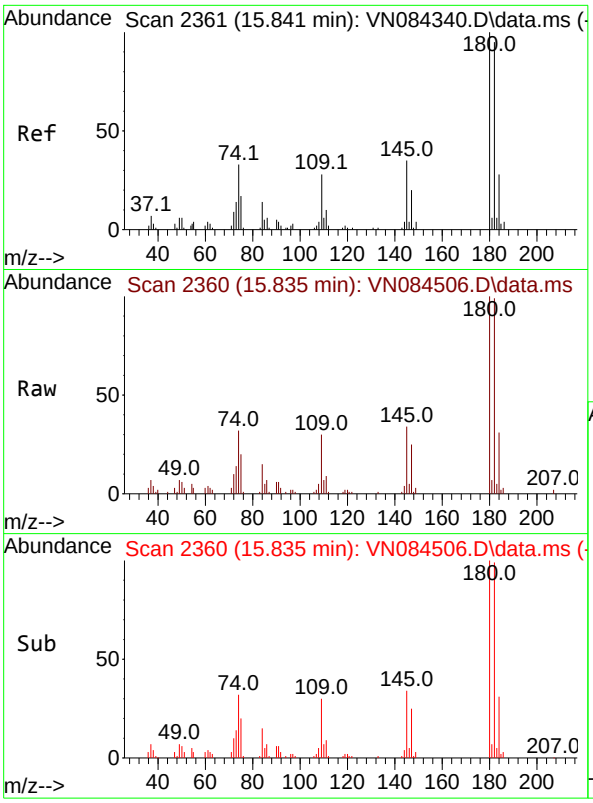


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.033 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion: 75 Resp: 12707

Ion	Ratio	Lower	Upper
75	100		
155	75.0	61.8	92.8
157	96.0	77.4	116.0



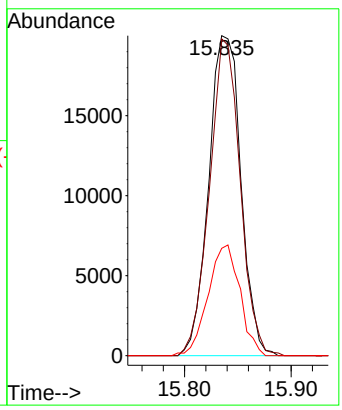


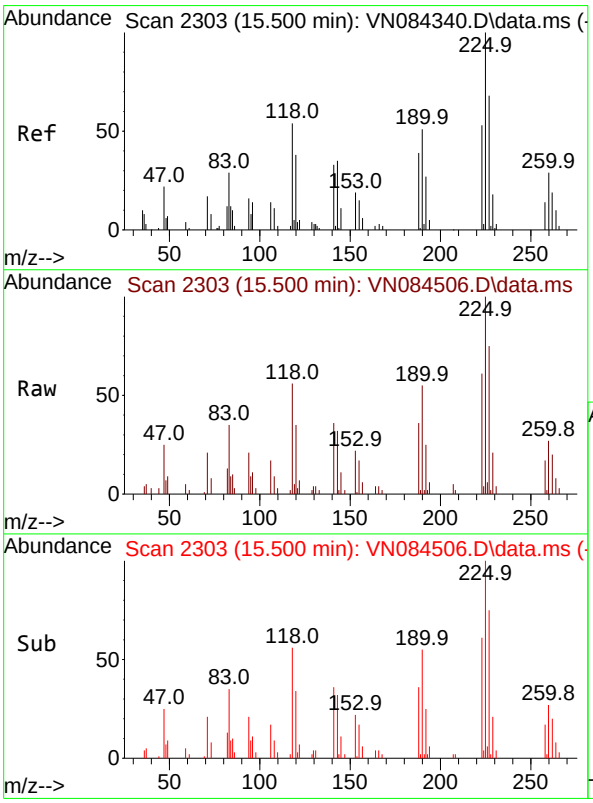
#89
1,2,4-Trichlorobenzene
Concen: 17.602 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:180 Resp: 42050

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.8	116.6
145	34.2	28.9	43.3

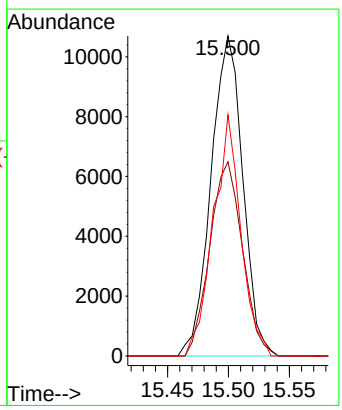


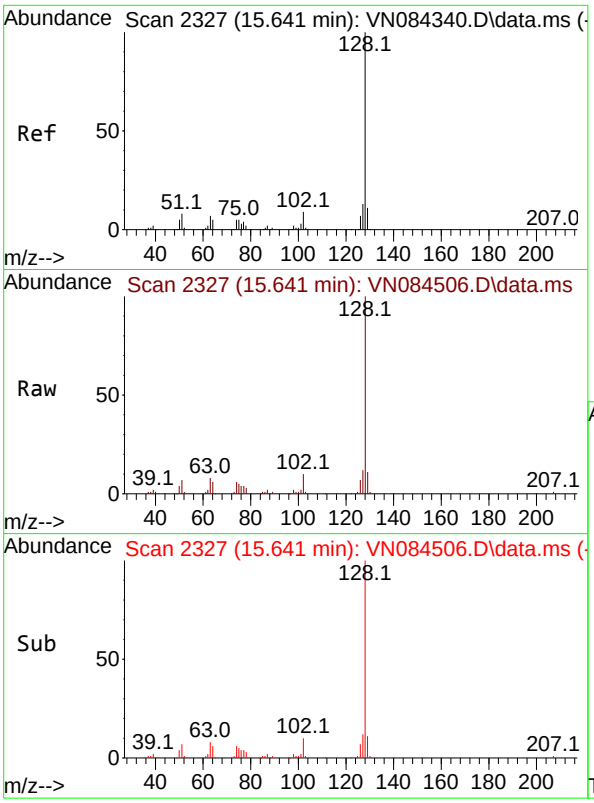


#90
Hexachlorobutadiene
Concen: 17.598 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:225 Resp: 19449

Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	124.0
227	65.6	0.0	130.8



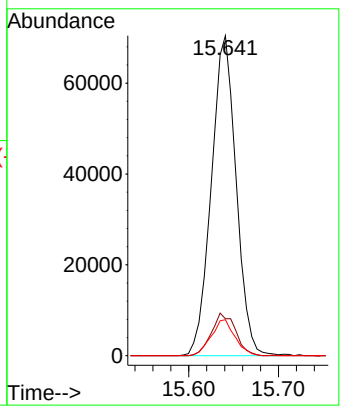


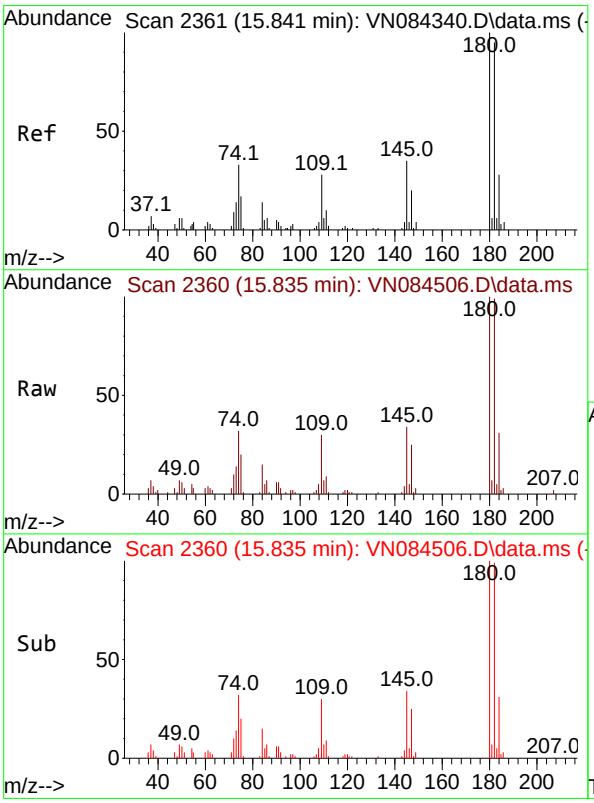
#91
Naphthalene
Concen: 16.711 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tgt Ion:128 Resp: 135282

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.8	13.2

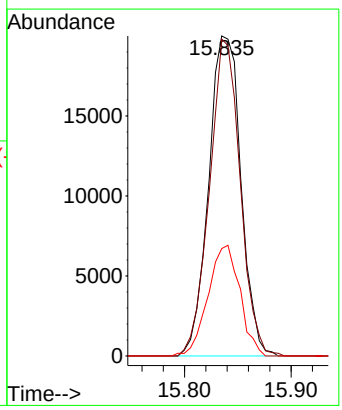




#92
1,2,3-Trichlorobenzene
Concen: 17.602 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084506.D
Acq: 25 Oct 2024 11:04

Tgt Ion:180 Resp: 42050

Ion	Ratio	Lower	Upper
180	100		
182	94.1	0.0	194.4
145	34.2	0.0	72.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	31538	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	170706	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	157076	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.576	65	76475	30.119	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.400%				
60) 4-Bromofluorobenzene	12.847	95	76884	29.657	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%				
63) Toluene-d8	10.565	98	219459	30.159	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.533%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	35627	18.502	ug/l		99
3) Chloromethane	2.365	50	41153	18.781	ug/l		96
4) Vinyl Chloride	2.518	62	40740	18.959	ug/l		90
5) Bromomethane	2.965	94	26275	18.456	ug/l		97
6) Chloroethane	3.124	64	25843	18.345	ug/l		94
7) Trichlorofluoromethane	3.494	101	67439	19.267	ug/l		97
8) Diethyl Ether	3.959	74	23726	18.437	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.377	101	39547	20.095	ug/l		95
10) 1,1-Dichloroethene	4.347	96	36837	18.759	ug/l		83
11) Methyl Iodide	4.589	142	47859	18.546	ug/l		97
12) Methyl Acetate	5.030	43	51144	20.804	ug/l		97
13) Acrolein	4.183	56	44613	97.690	ug/l		98
14) Acrylonitrile	5.718	53	99485	90.074	ug/l		98
15) Acetone	4.436	58	27159	86.081	ug/l		95
16) Carbon Disulfide	4.712	76	101156	17.299	ug/l		99
17) Allyl chloride	5.024	41	55823	17.536	ug/l		90
18) Methylene Chloride	5.283	84	44030	19.904	ug/l		93
19) trans-1,2-Dichloroethene	5.788	96	38914	18.724	ug/l		86
20) Diisopropyl ether	6.671	45	135783	19.839	ug/l	#	98
21) 1,1-Dichloroethane	6.565	63	77671	19.778	ug/l		96
22) cis-1,2-Dichloroethene	7.482	96	46891	19.389	ug/l		97
23) tert-Butyl Alcohol	5.524	59	36129	85.280	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	124567	18.982	ug/l	#	83
25) Chloroform	7.965	83	80552	20.252	ug/l		98
26) Cyclohexane	8.259	56	59475	18.107	ug/l	#	97
29) 1,1-Dichloropropene	8.377	75	52926	18.887	ug/l		99
30) 2-Butanone	7.482	43	134140	89.907	ug/l		100
31) 2,2-Dichloropropane	7.494	77	50993	15.485	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	71015	19.826	ug/l		98
33) Carbon Tetrachloride	8.359	117	61198	19.721	ug/l		95
34) Benzene	8.606	78	176120	20.078	ug/l		99
35) Methacrylonitrile	7.777	41	28193	17.713	ug/l		97
36) 1,2-Dichloroethane	8.671	62	59295	20.279	ug/l		98
37) Trichloroethene	9.347	130	39851	19.729	ug/l		94
38) Methylcyclohexane	9.600	83	53218	17.289	ug/l		98
39) 1,2-Dichloropropane	9.623	63	42306	19.777	ug/l		100
40) Dibromomethane	9.712	93	29439	19.691	ug/l		99
41) Bromodichloromethane	9.888	83	63470	19.998	ug/l		92
42) Vinyl Acetate	6.606	43	454035	87.500	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration

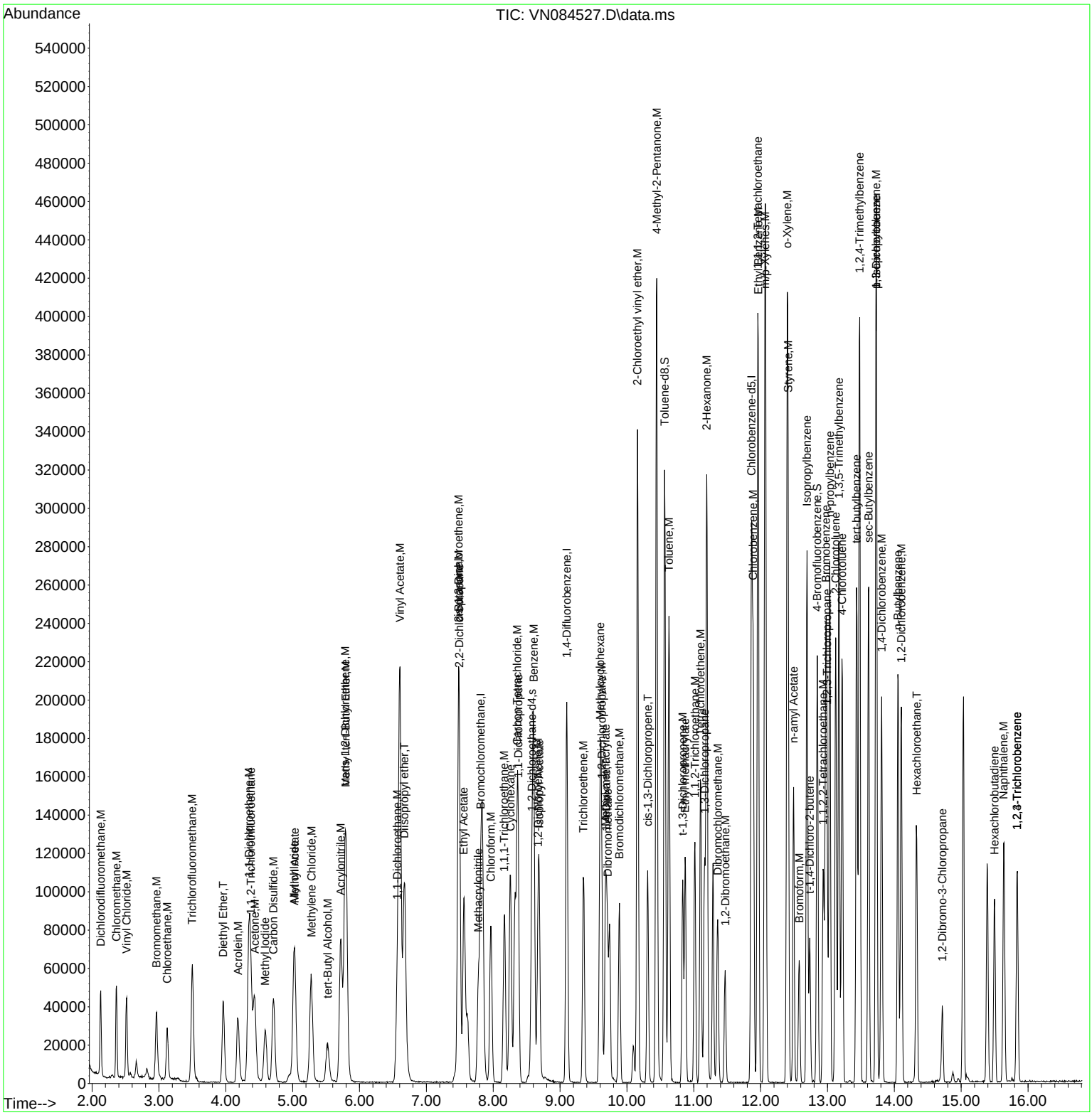
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.559	43	50798	17.263	ug/l		95
44) Isopropyl Acetate	8.688	43	92788	19.266	ug/l		97
45) 1,4-Dioxane	9.694	88	16021	369.015	ug/l	#	87
46) Methyl methacrylate	9.682	41	42804	18.395	ug/l		96
47) n-amyl Acetate	12.494	43	78426	18.307	ug/l		97
48) t-1,3-Dichloropropene	10.835	75	59808	18.236	ug/l		98
49) cis-1,3-Dichloropropene	10.312	75	65006	18.913	ug/l	#	95
50) 1,1,2-Trichloroethane	11.018	97	40992	20.399	ug/l		97
51) Ethyl methacrylate	10.870	69	62124	18.717	ug/l		98
52) 1,3-Dichloropropane	11.165	76	68327	19.446	ug/l		99
53) Dibromochloromethane	11.359	129	48126	20.274	ug/l		99
54) 1,2-Dibromoethane	11.470	107	39841	19.261	ug/l		96
55) 2-Chloroethyl vinyl ether	10.159	63	145723	96.799	ug/l		98
56) Bromoform	12.582	173	30049	19.086	ug/l		100
58) 4-Methyl-2-Pentanone	10.447	43	279735	95.601	ug/l		99
59) 2-Hexanone	11.194	43	202052	92.927	ug/l		99
61) Tetrachloroethene	11.100	164	36713	20.663	ug/l		97
62) Toluene	10.629	91	185332	20.155	ug/l		100
64) Chlorobenzene	11.888	112	113160	19.775	ug/l		96
65) 1,1,1,2-Tetrachloroethane	11.959	131	40642	20.444	ug/l		99
66) Ethyl Benzene	11.965	91	192535	19.272	ug/l		99
67) m/p-Xylenes	12.070	106	150556	39.725	ug/l		99
68) o-Xylene	12.400	106	71820	19.660	ug/l		97
69) Styrene	12.412	104	122646	19.558	ug/l		99
70) Isopropylbenzene	12.694	105	179492	19.247	ug/l		96
71) 1,1,2,2-Tetrachloroethane	12.935	83	57333	19.873	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	71391	28.894	ug/l		56
73) Bromobenzene	12.976	156	46430	20.557	ug/l		94
74) n-propylbenzene	13.035	91	216025	19.439	ug/l		99
75) 2-Chlorotoluene	13.123	91	137724	19.943	ug/l		100
76) 1,3,5-Trimethylbenzene	13.170	105	158334	20.164	ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	17050	16.149	ug/l		95
78) 4-Chlorotoluene	13.217	91	137774	19.623	ug/l		99
79) tert-butylbenzene	13.435	119	129645	19.353	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	156217	19.607	ug/l		100
81) sec-Butylbenzene	13.617	105	181249	19.652	ug/l		100
82) p-Isopropyltoluene	13.729	119	147935	19.057	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	83699	19.930	ug/l		99
84) 1,4-Dichlorobenzene	13.811	146	81543	19.554	ug/l		98
85) n-Butylbenzene	14.053	91	121924	18.134	ug/l		99
86) Hexachloroethane	14.335	117	28649	19.155	ug/l		98
87) 1,2-Dichlorobenzene	14.106	146	78746	19.394	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10575	17.925	ug/l		97
89) 1,2,4-Trichlorobenzene	15.835	180	39188	18.563	ug/l		98
90) Hexachlorobutadiene	15.500	225	17360	17.775	ug/l		98
91) Naphthalene	15.635	128	119261	16.671	ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	39188	18.563	ug/l		98

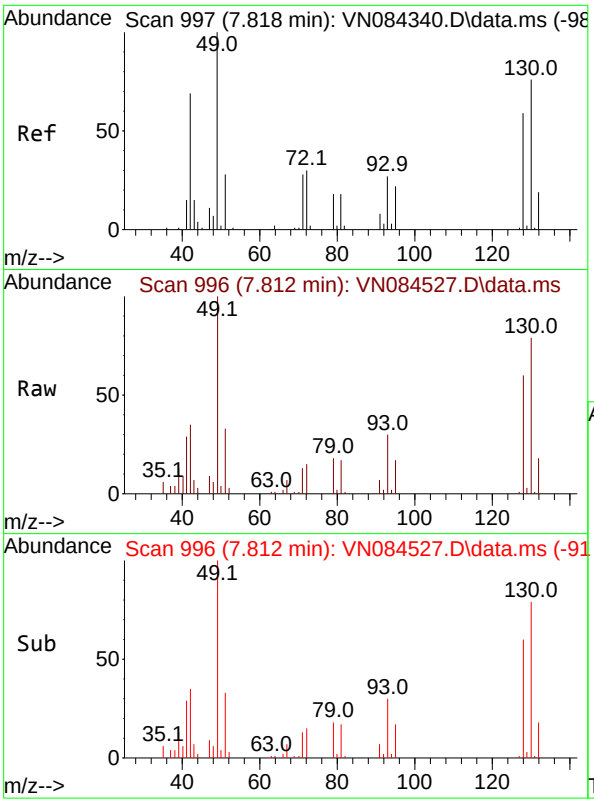
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084527.D
Acq On : 25 Oct 2024 19:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Oct 26 05:32:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration



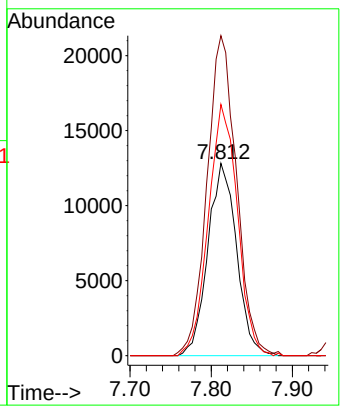


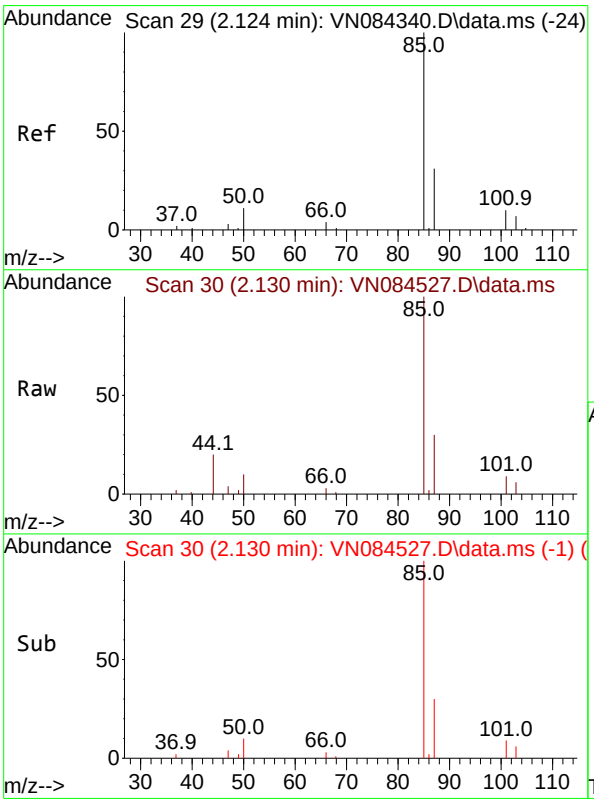
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 31538

Ion	Ratio	Lower	Upper
128	100		
49	170.3	0.0	430.0
130	132.4	0.0	329.8

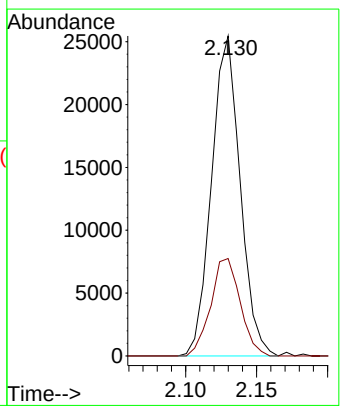


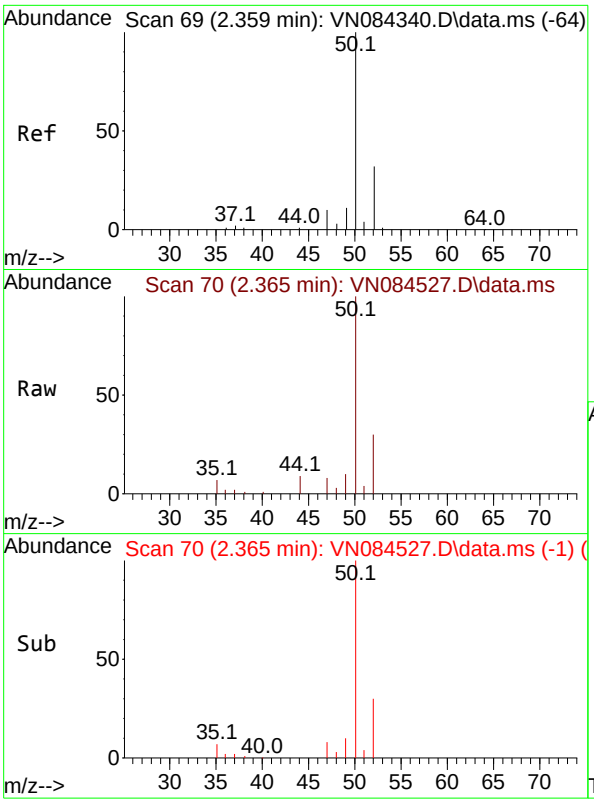


#2
Dichlorodifluoromethane
Concen: 18.502 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 85 Resp: 35627

Ion	Ratio	Lower	Upper
85	100		
87	30.4	15.4	46.4



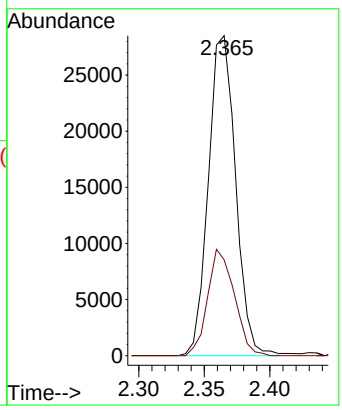


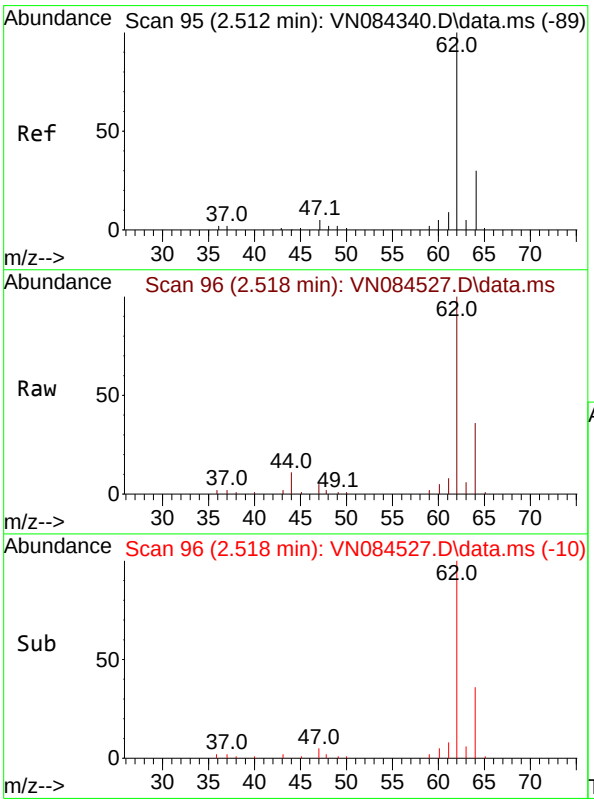
#3
Chloromethane
Concen: 18.781 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 41153

Ion	Ratio	Lower	Upper
50	100		
52	30.0	25.8	38.6

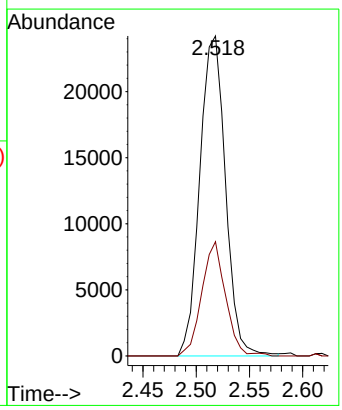


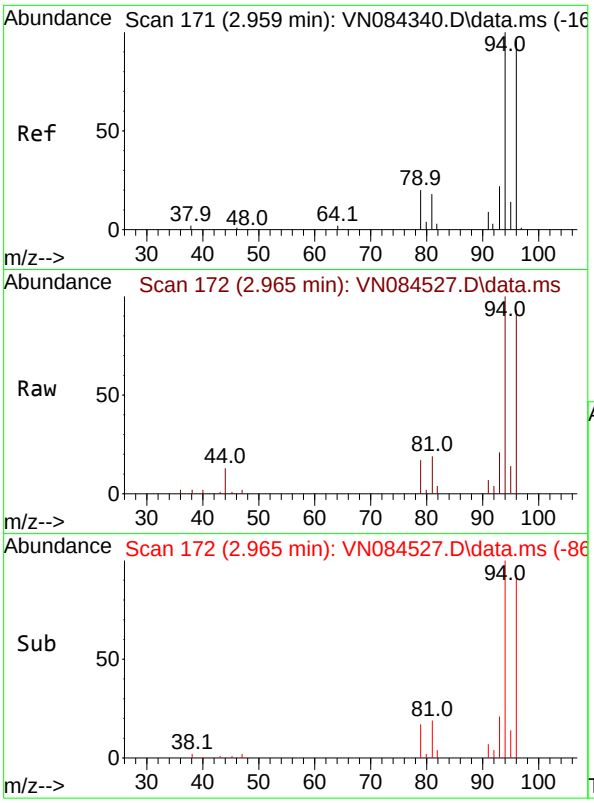


#4
Vinyl Chloride
Concen: 18.959 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 62 Resp: 40740

Ion	Ratio	Lower	Upper
62	100		
64	35.7	24.3	36.5



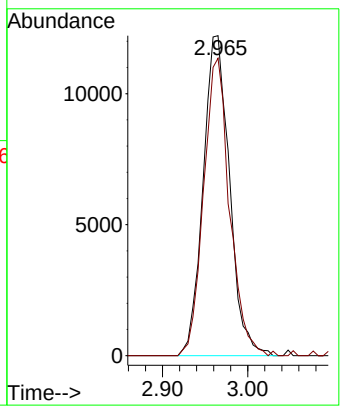


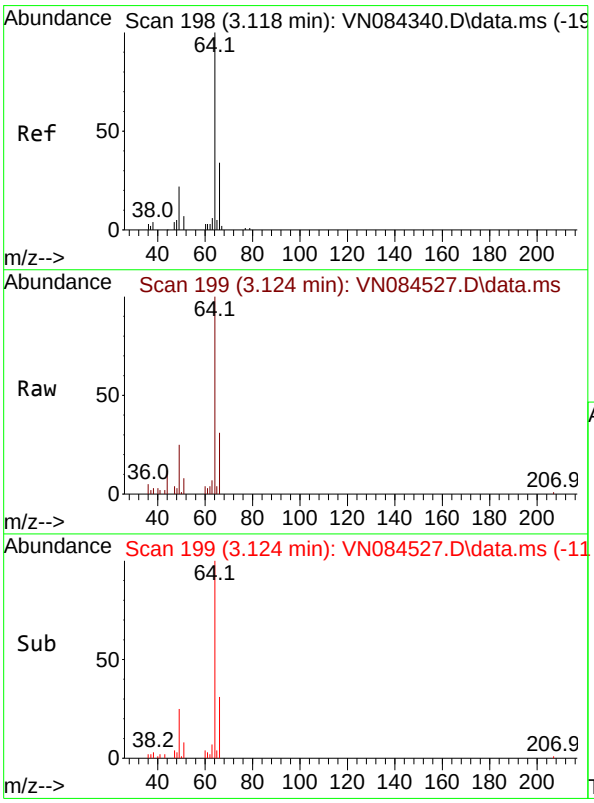
#5
Bromomethane
Concen: 18.456 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 26275

Ion	Ratio	Lower	Upper
94	100		
96	92.9	76.7	115.1

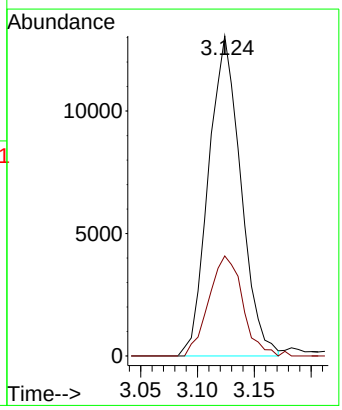


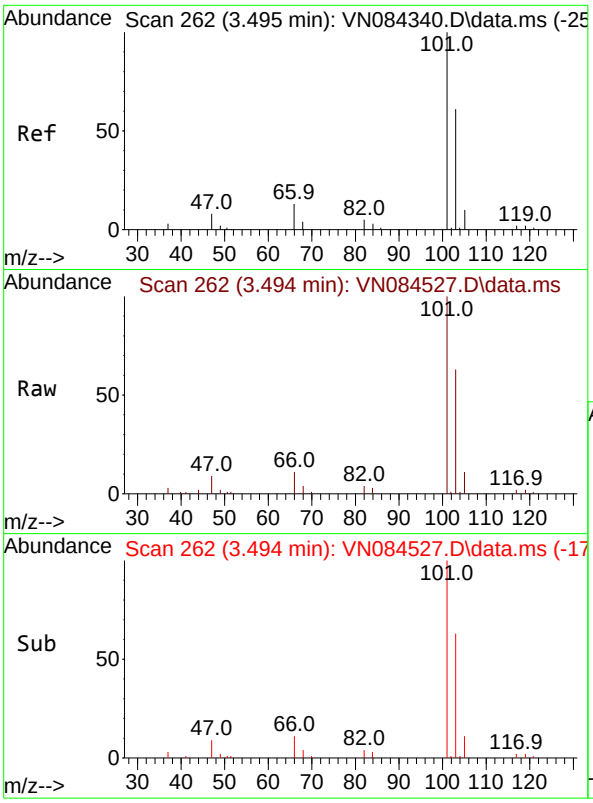


#6
Chloroethane
Concen: 18.345 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 64 Resp: 25843

Ion	Ratio	Lower	Upper
64	100		
66	31.3	27.7	41.5



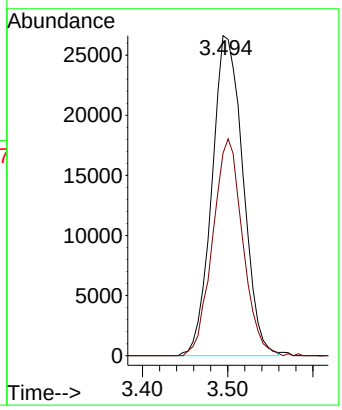


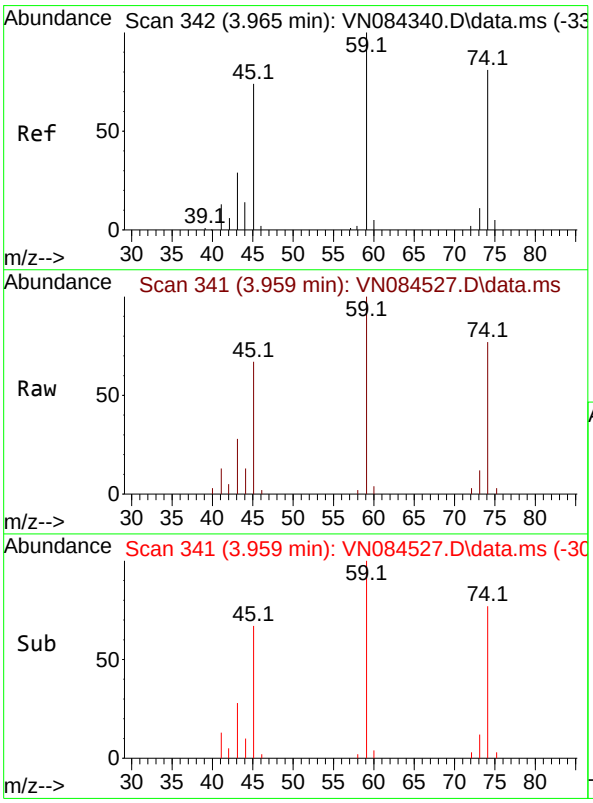
#7
Trichlorofluoromethane
Concen: 19.267 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 67439

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.0	73.6

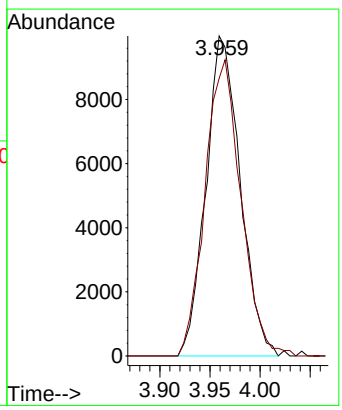


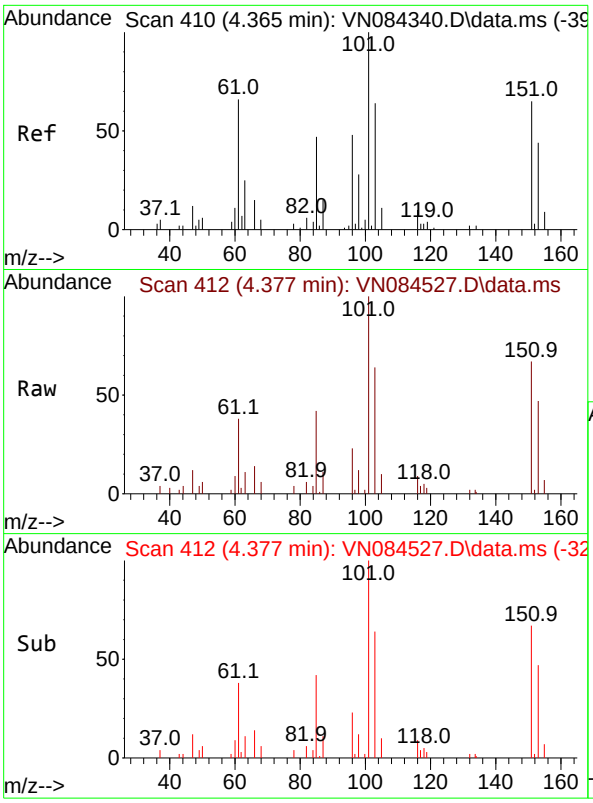


#8
Diethyl Ether
Concen: 18.437 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 74 Resp: 23726

Ion	Ratio	Lower	Upper
74	100		
45	97.0	19.2	173.2



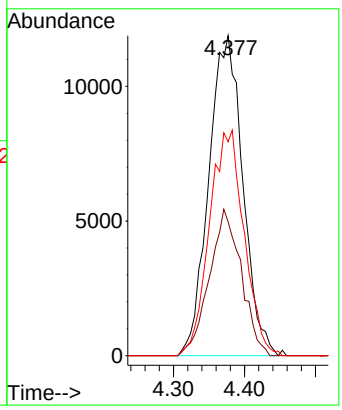


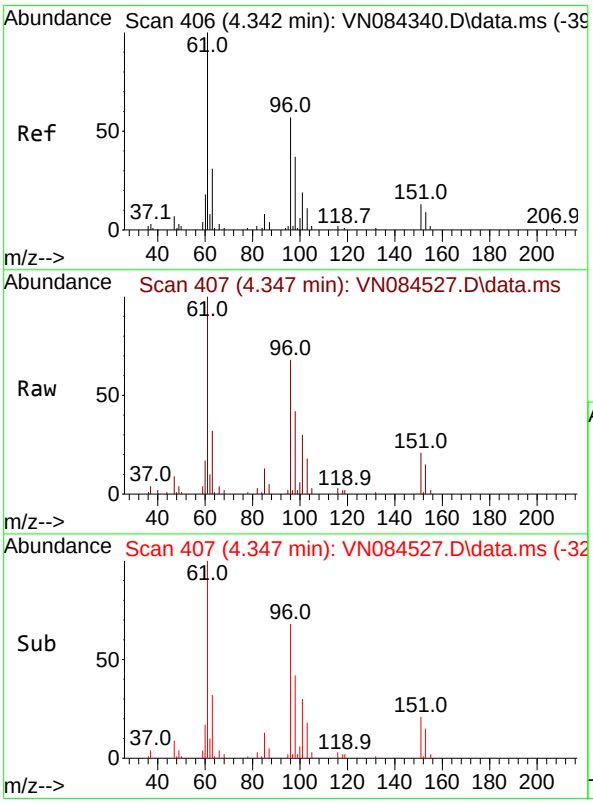
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.095 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 39547

Ion	Ratio	Lower	Upper
101	100		
85	42.9	0.0	93.6
151	71.8	0.0	151.8

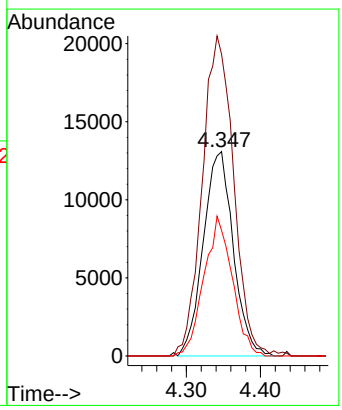


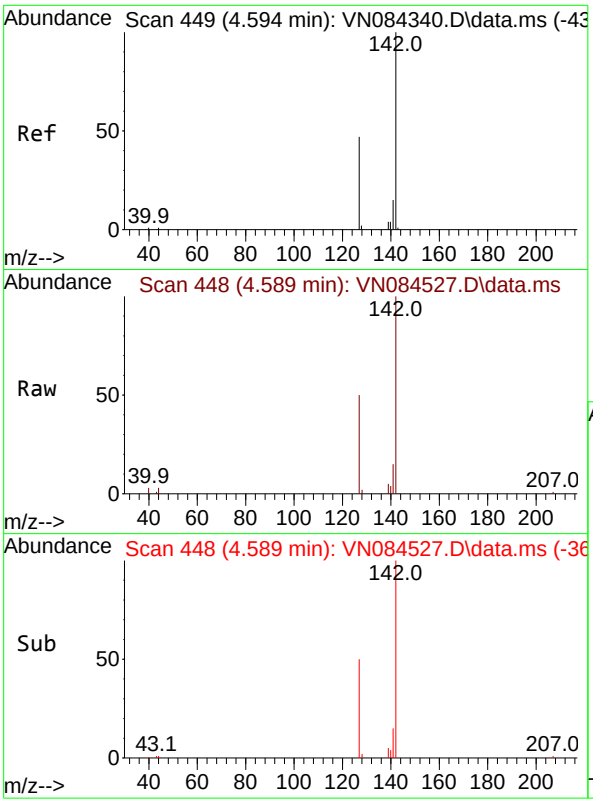


#10
1,1-Dichloroethene
Concen: 18.759 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 96 Resp: 36837

Ion	Ratio	Lower	Upper
96	100		
61	146.4	140.8	211.2
98	61.4	52.2	78.2



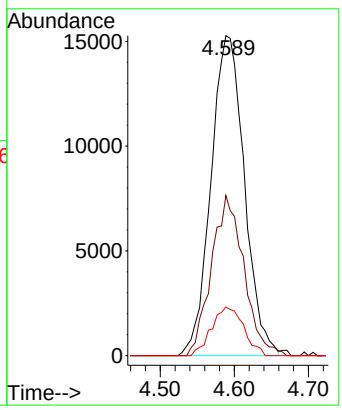


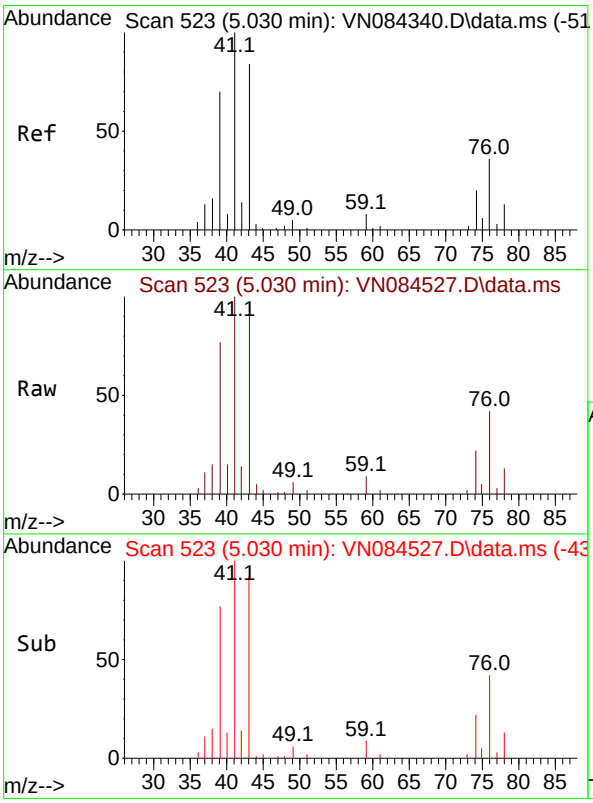
#11
Methyl Iodide
Concen: 18.546 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:142 Resp: 47859

Ion	Ratio	Lower	Upper
142	100		
127	49.6	23.8	71.4
141	15.3	7.4	22.2

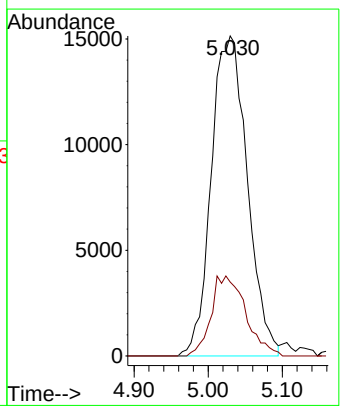


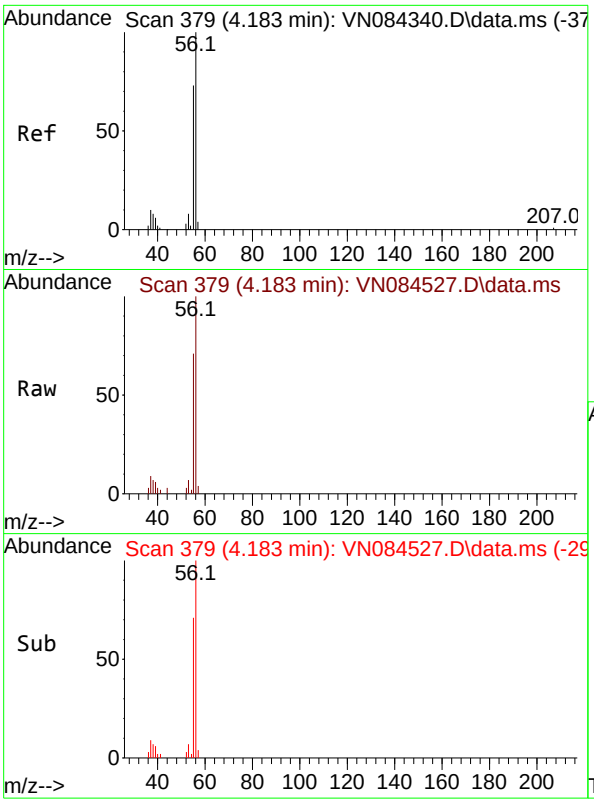


#12
Methyl Acetate
Concen: 20.804 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 51144

Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2



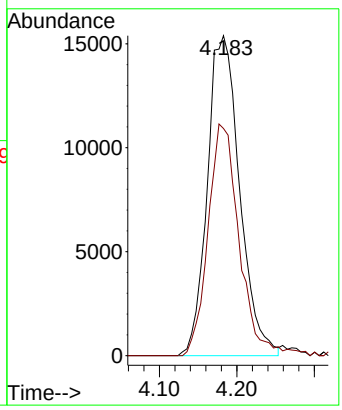


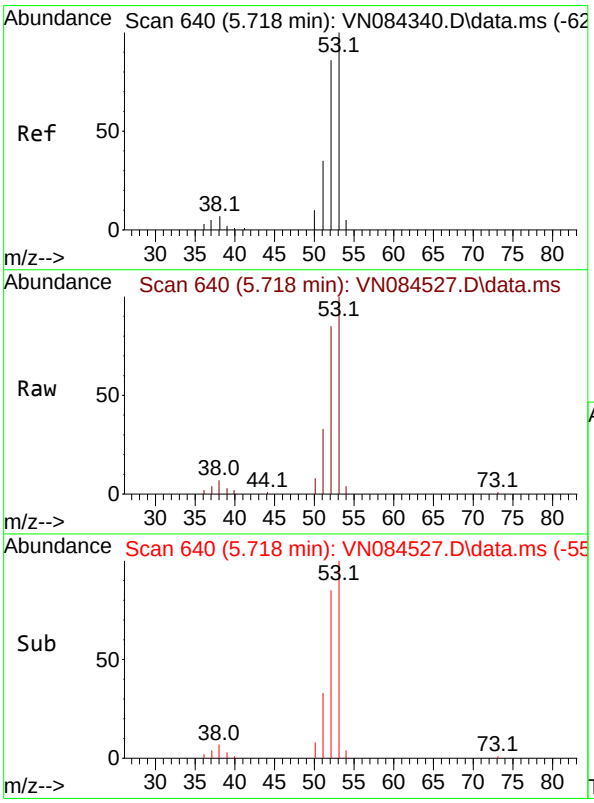
#13
Acrolein
Concen: 97.690 ug/l
RT: 4.183 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 44613

Ion	Ratio	Lower	Upper
56	100		
55	69.0	56.4	84.6

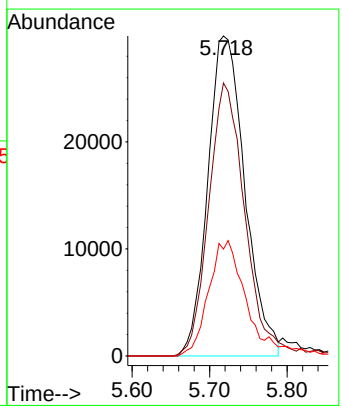


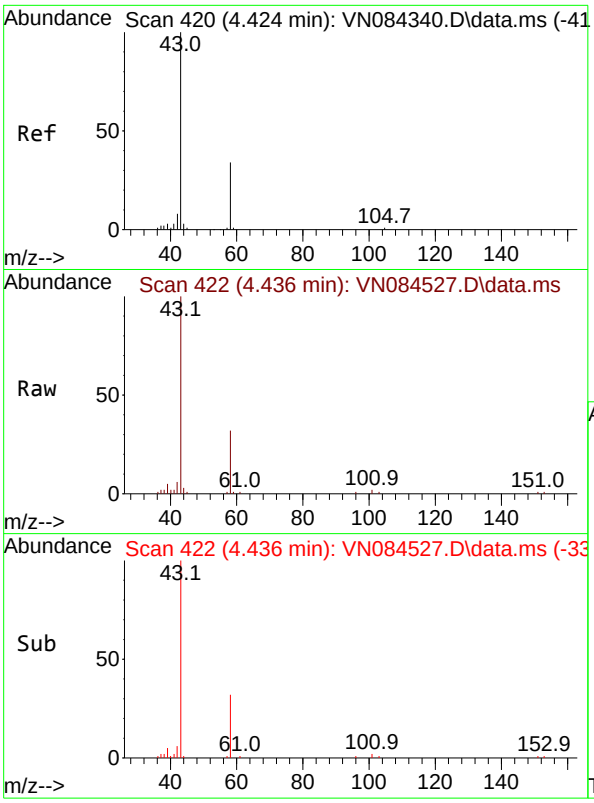


#14
Acrylonitrile
Concen: 90.074 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 53 Resp: 99485

Ion	Ratio	Lower	Upper
53	100		
52	82.7	40.4	121.2
51	33.9	17.8	53.4



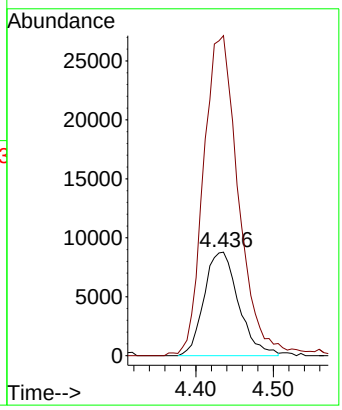


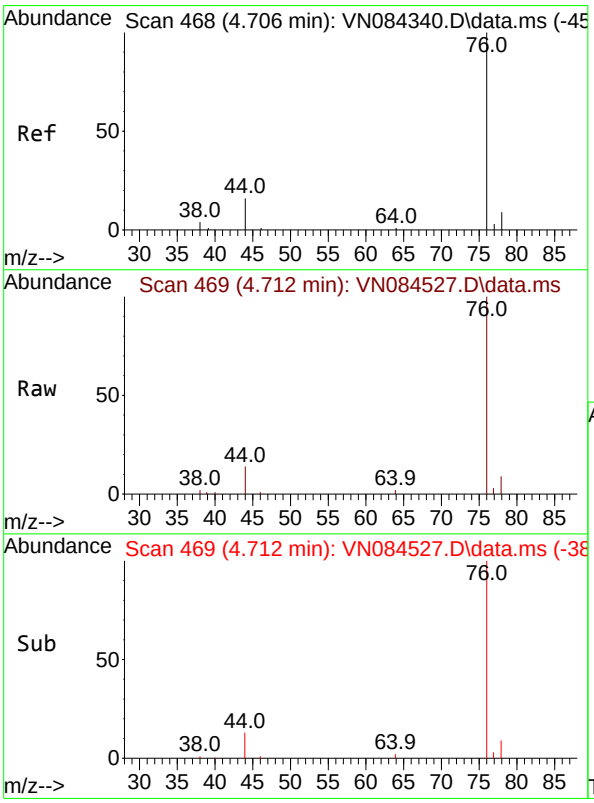
#15
Acetone
Concen: 86.081 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 58 Resp: 27159

Ion	Ratio	Lower	Upper
58	100		
43	307.0	237.5	356.3

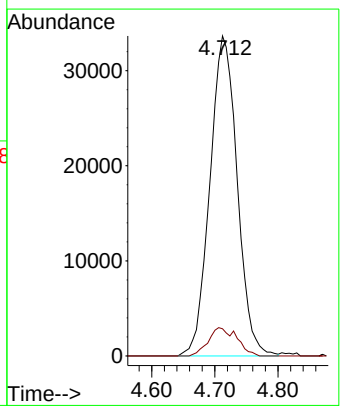


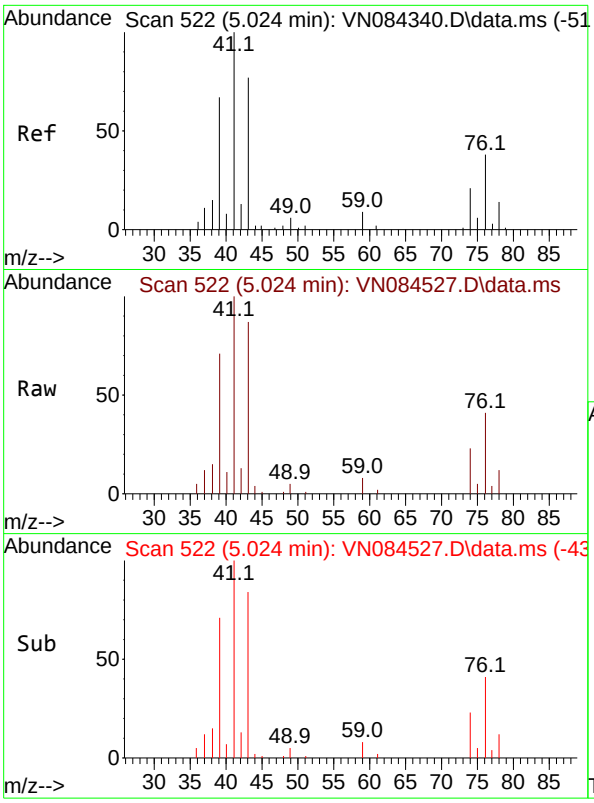


#16
Carbon Disulfide
Concen: 17.299 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 76 Resp: 101156

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7



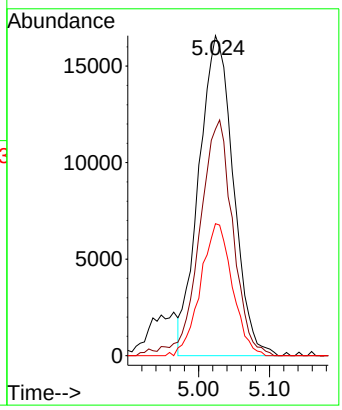


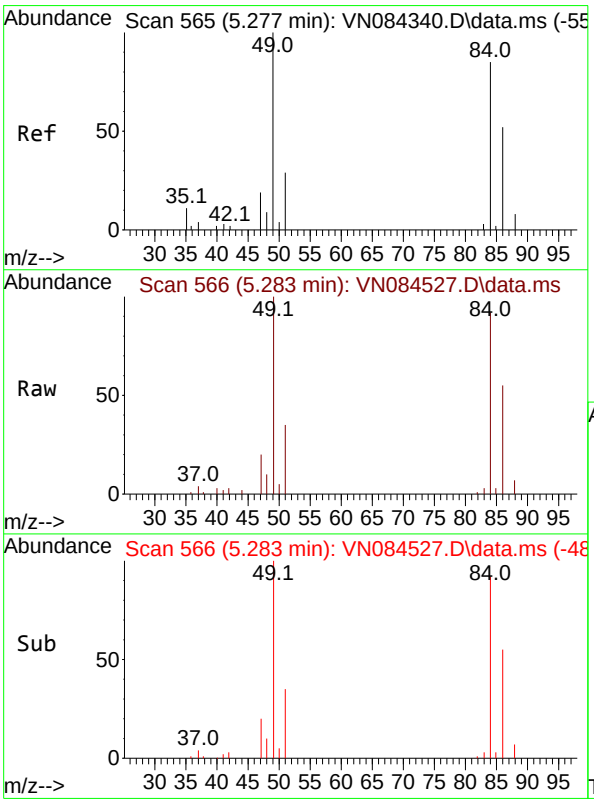
#17
Allyl chloride
Concen: 17.536 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 41 Resp: 55823

Ion	Ratio	Lower	Upper
41	100		
39	70.8	31.4	94.3
76	41.3	17.8	53.5

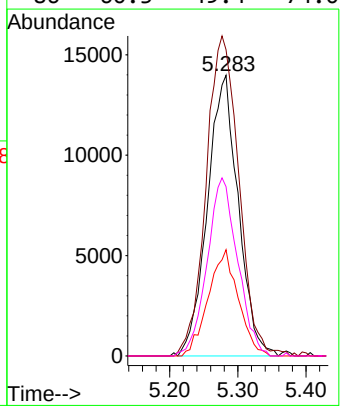


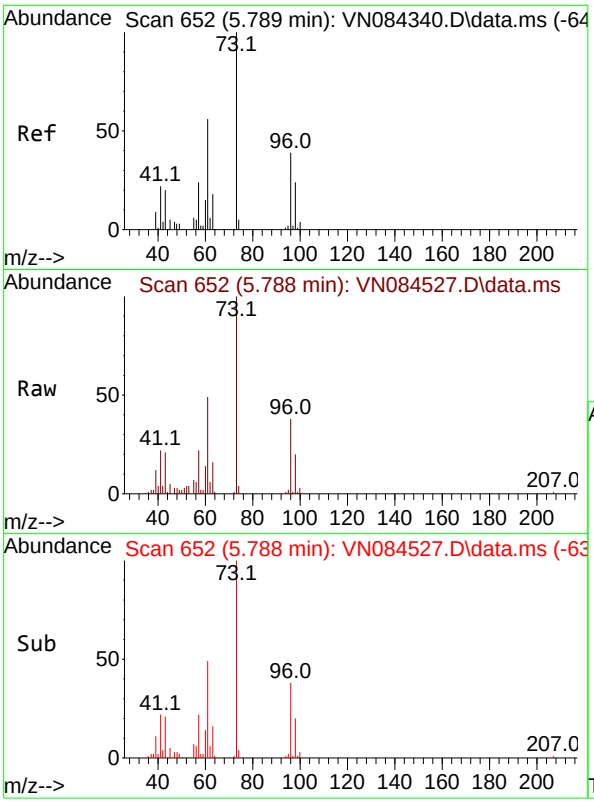


#18
Methylene Chloride
Concen: 19.904 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 84 Resp: 44030

Ion	Ratio	Lower	Upper
84	100		
49	107.7	94.6	142.0
51	37.9	27.3	40.9
86	60.3	49.4	74.0



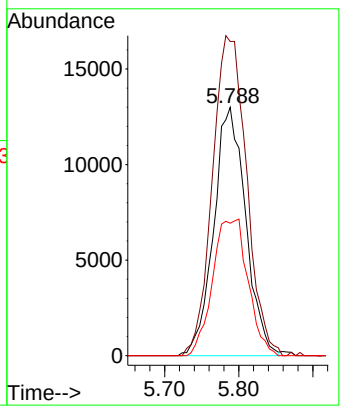


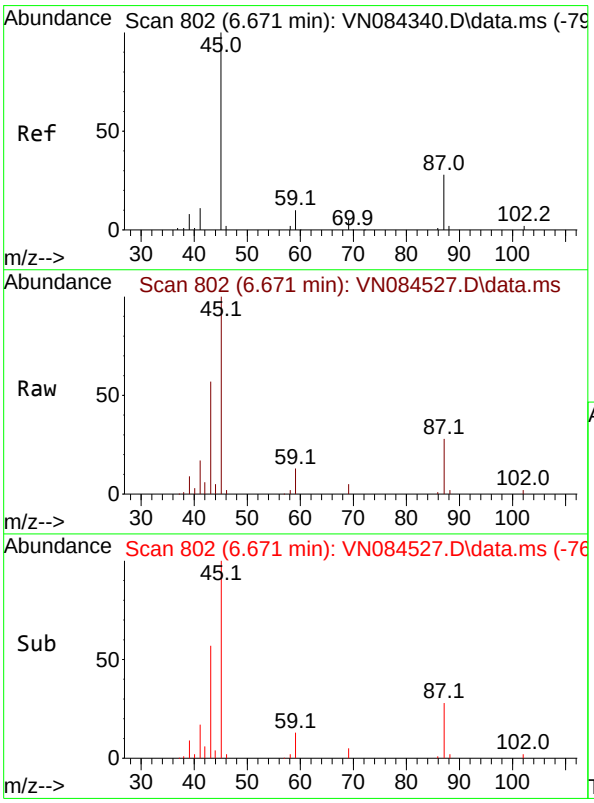
#19
trans-1,2-Dichloroethene
Concen: 18.724 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 38914

Ion	Ratio	Lower	Upper
96	100		
61	126.5	115.8	173.6
98	53.3	49.4	74.0

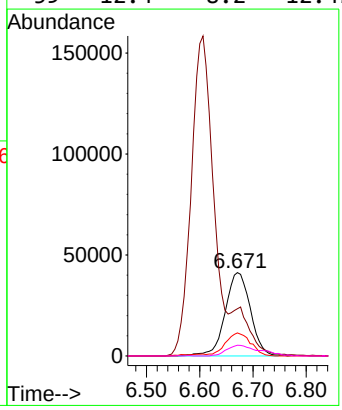


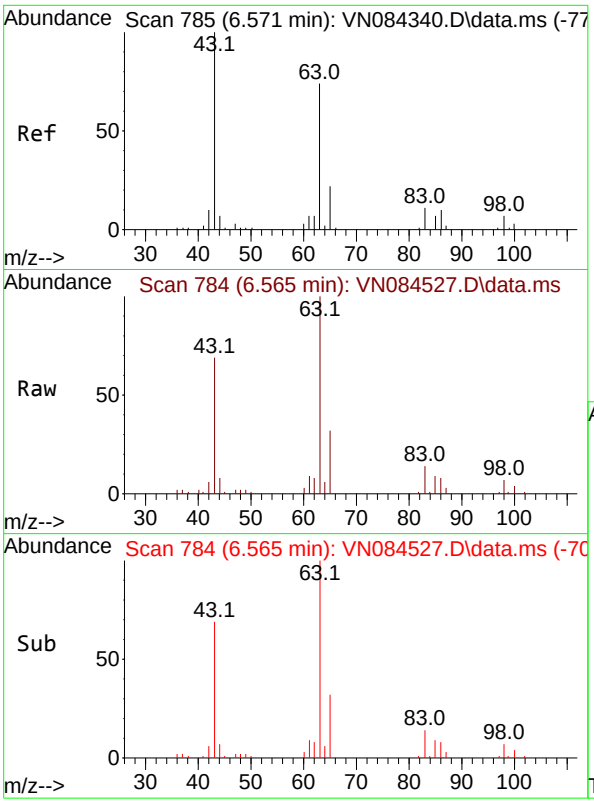


#20
Diisopropyl ether
Concen: 19.839 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 45 Resp: 135783

Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.7	65.5
87	27.6	23.1	34.7
59	12.4	8.2	12.4#



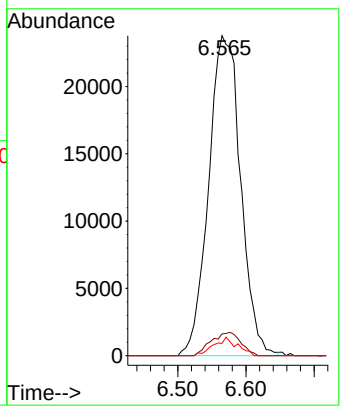


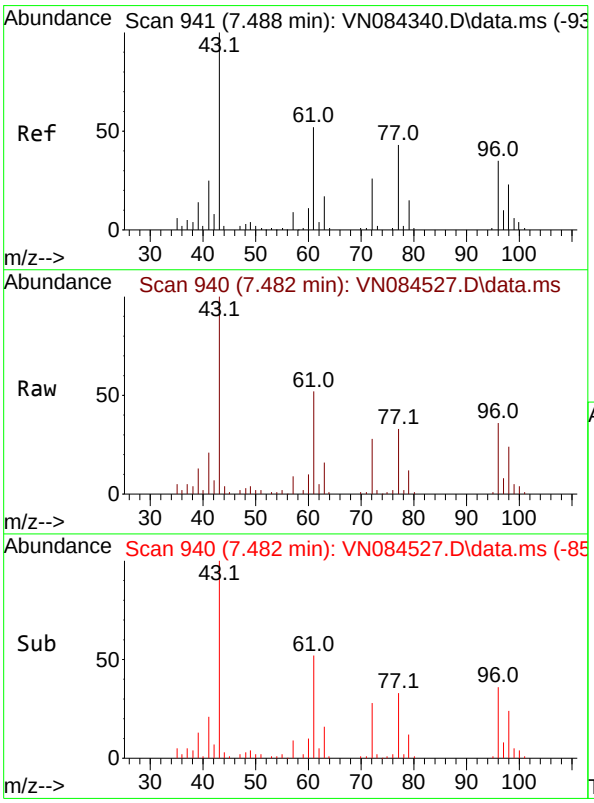
#21
1,1-Dichloroethane
Concen: 19.778 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 77671

Ion	Ratio	Lower	Upper
63	100		
98	6.8	4.5	13.4
100	3.8	2.1	6.3

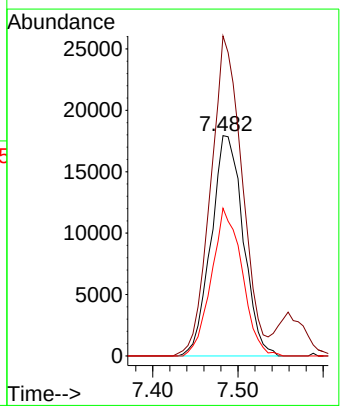


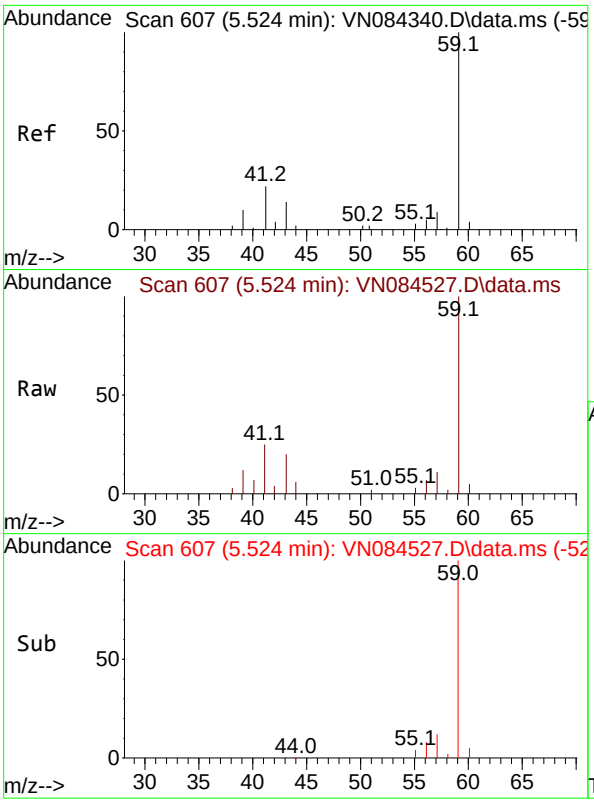


#22
cis-1,2-Dichloroethene
Concen: 19.389 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 96 Resp: 46891

Ion	Ratio	Lower	Upper
96	100		
61	142.5	118.0	177.0
98	63.9	51.8	77.8



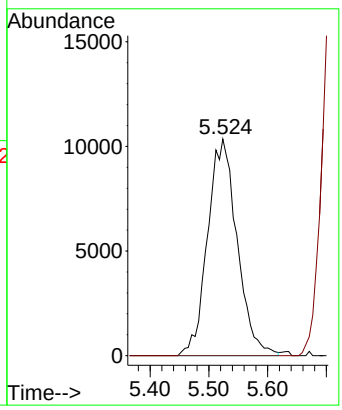


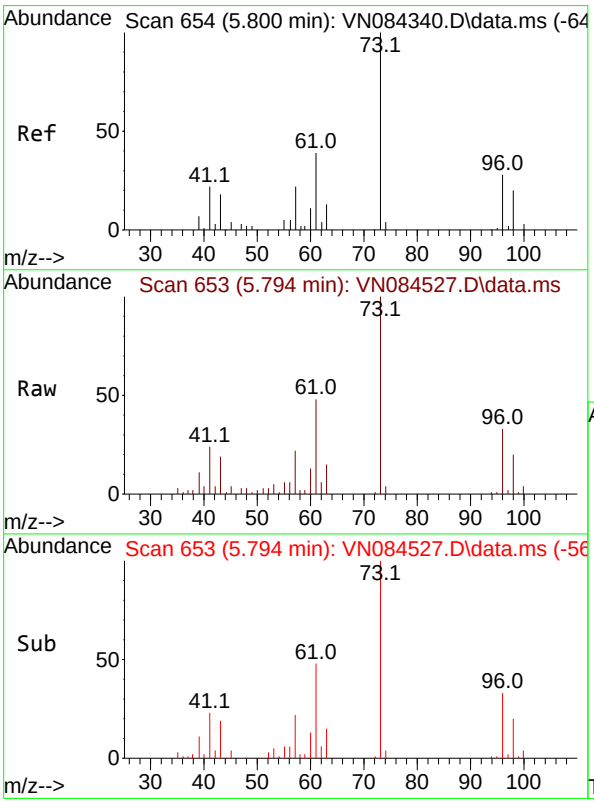
#23
tert-Butyl Alcohol
Concen: 85.280 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 36129

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

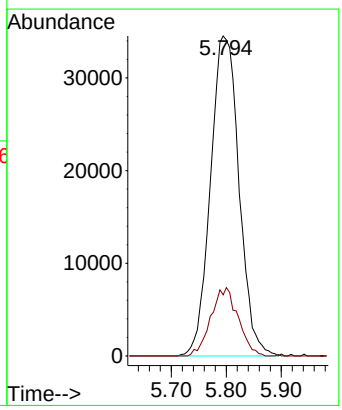


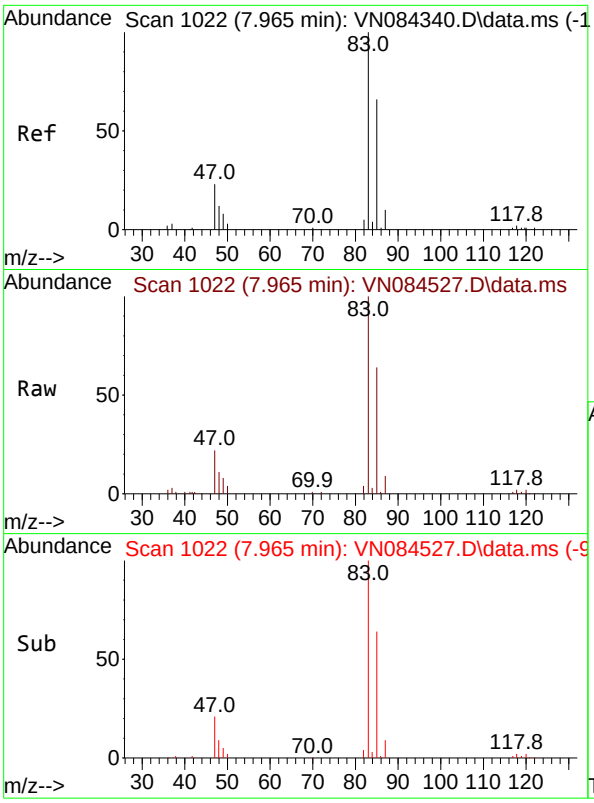


#24
Methyl tert-Butyl Ether
Concen: 18.982 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 73 Resp: 124567

Ion	Ratio	Lower	Upper
73	100		
43	20.4	10.9	16.3#



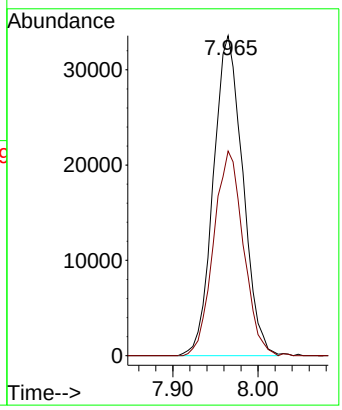


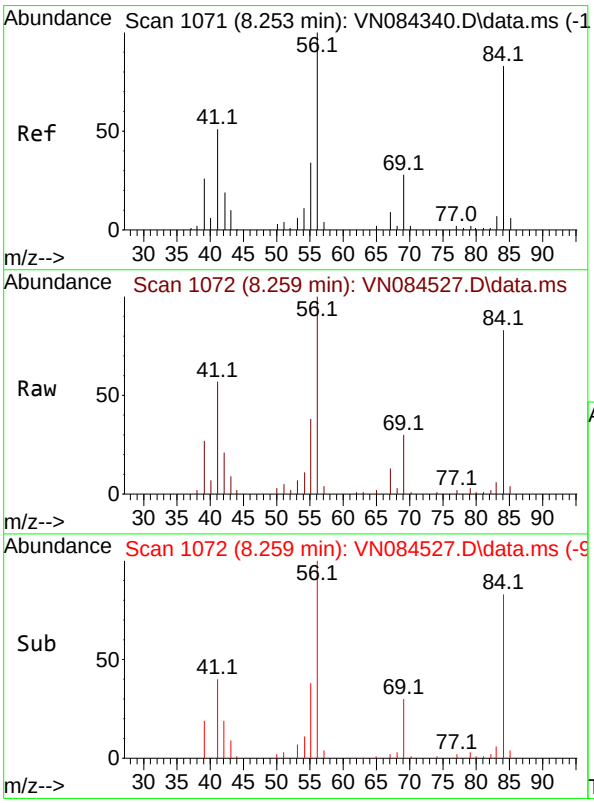
#25
Chloroform
Concen: 20.252 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 80552

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6

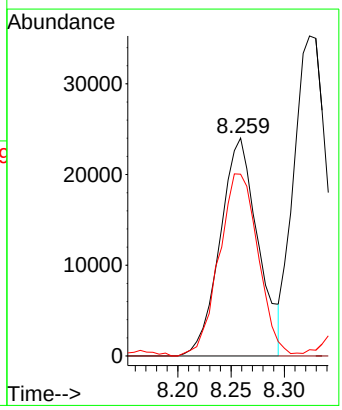


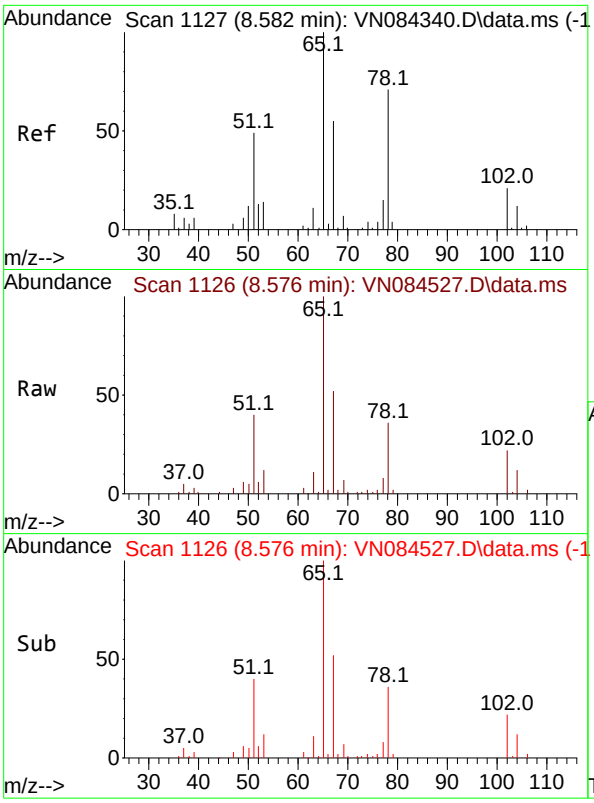


#26
Cyclohexane
Concen: 18.107 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 56 Resp: 59475

Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	86.1	67.0	100.6



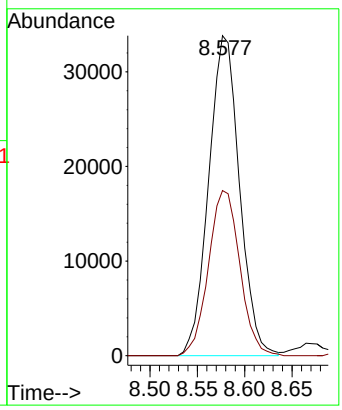


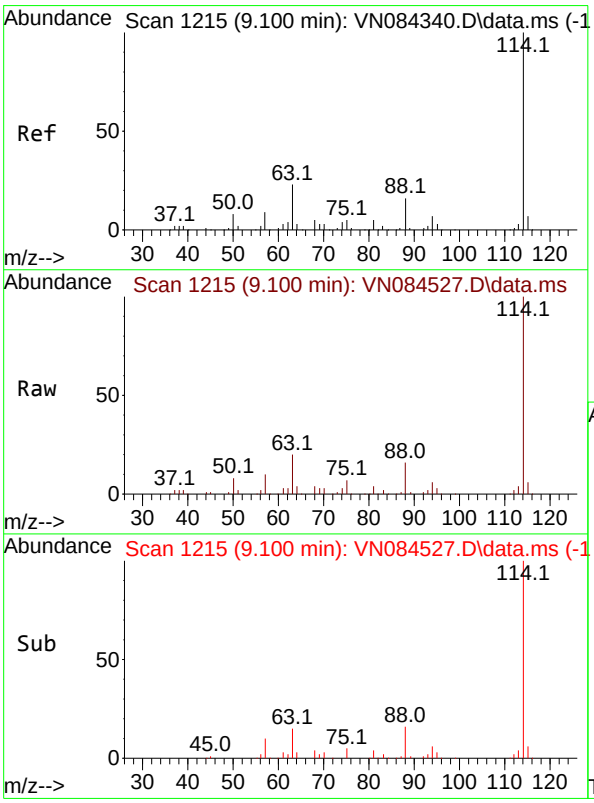
#27
1,2-Dichloroethane-d4
Concen: 30.119 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 76475

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3

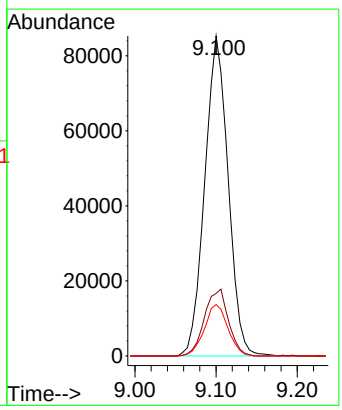


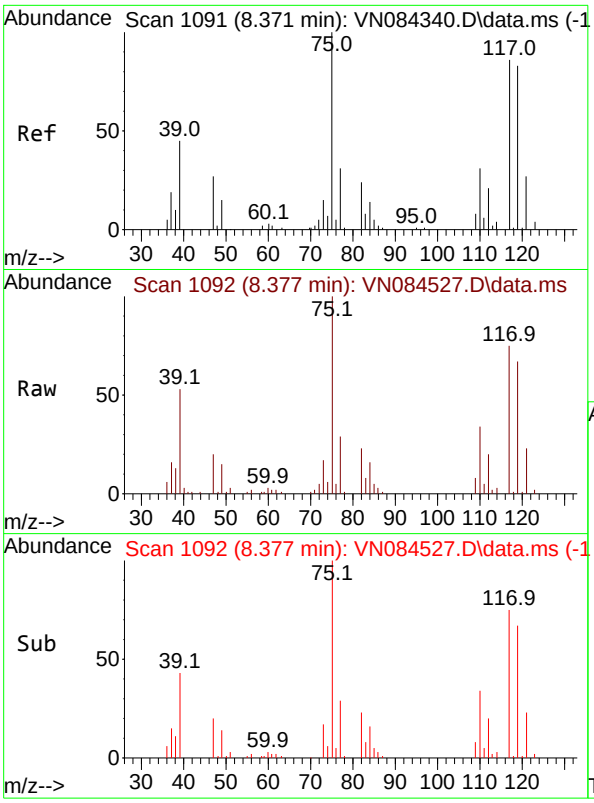


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:114 Resp: 170706

Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.4	26.0
88	16.2	13.2	19.8



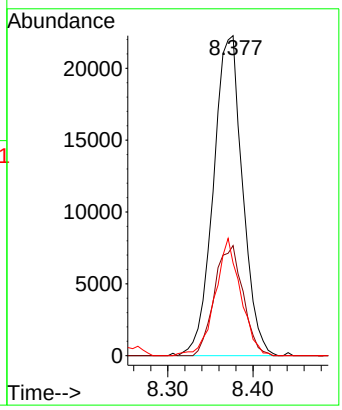


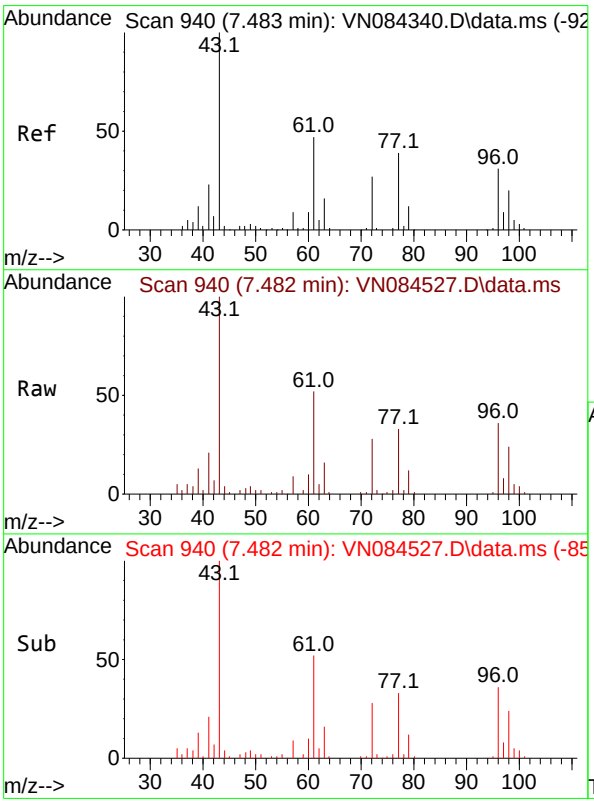
#29
1,1-Dichloropropene
Concen: 18.887 ug/l
RT: 8.377 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 52926

Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	67.6
77	32.2	0.0	61.4

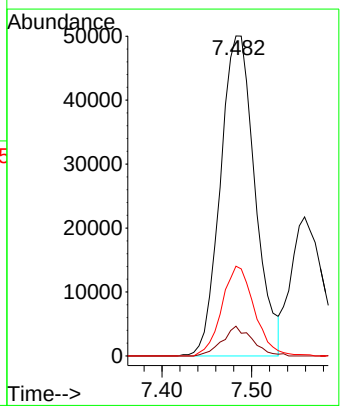


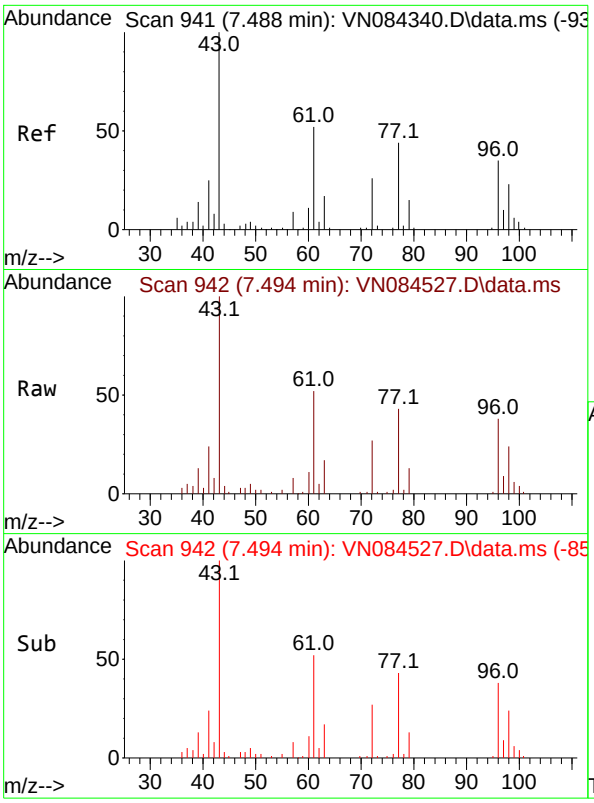


#30
2-Butanone
Concen: 89.907 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 134140

Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.6	9.8
72	26.5	21.3	31.9



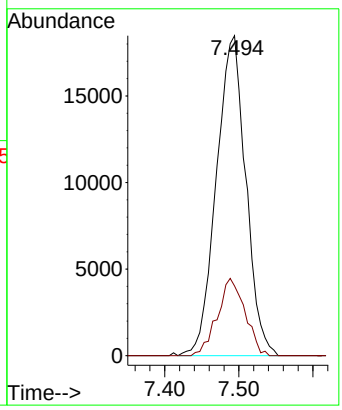


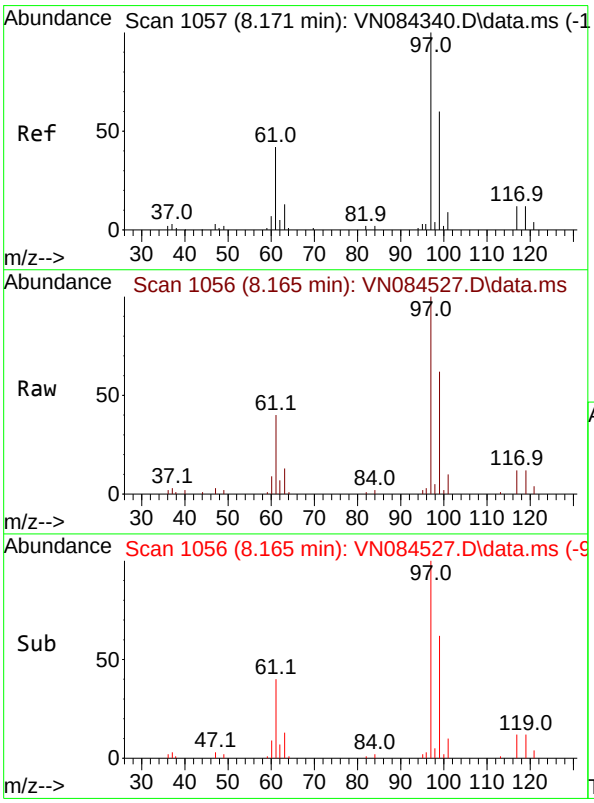
#31
2,2-Dichloropropane
Concen: 15.485 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 50993

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.5	17.3#

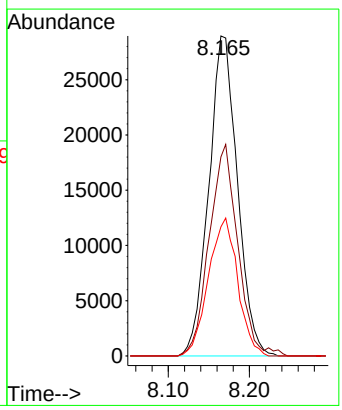


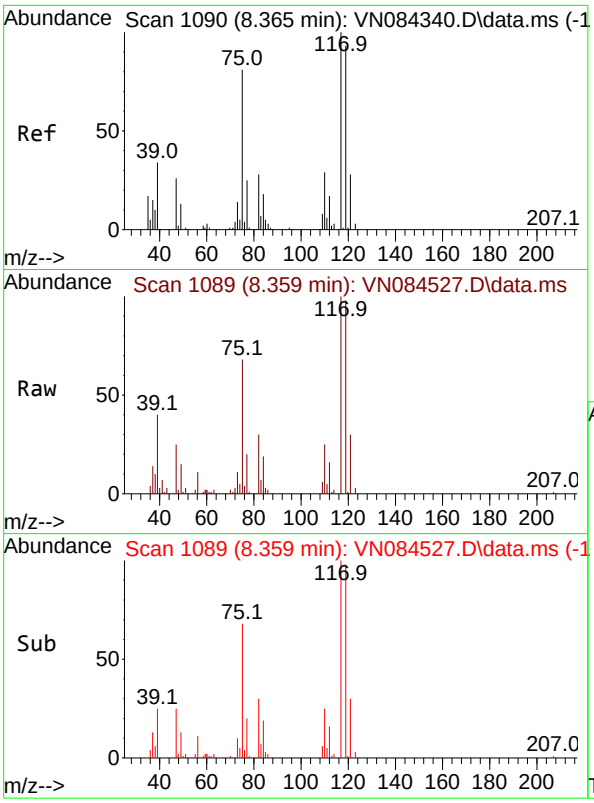


#32
1,1,1-Trichloroethane
Concen: 19.826 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 97 Resp: 71015

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	44.1	34.1	51.1



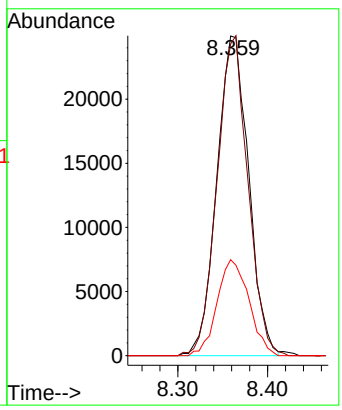


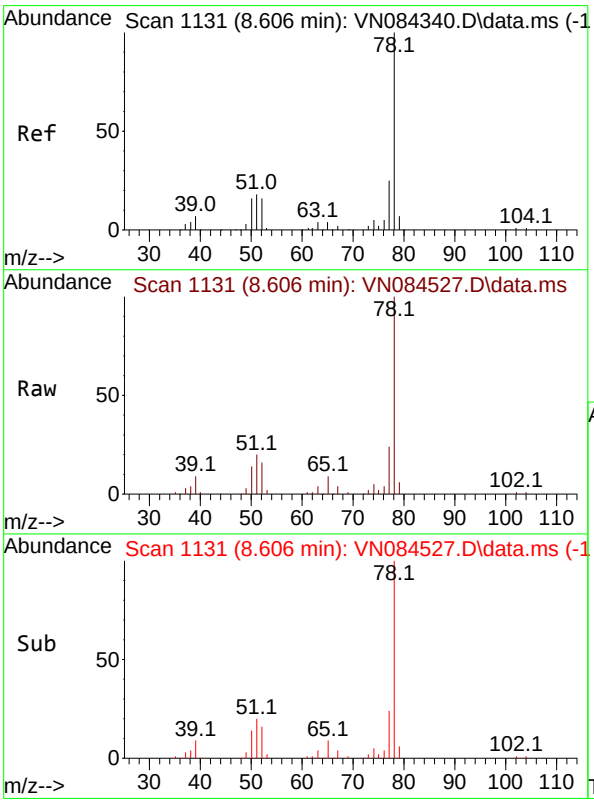
#33
Carbon Tetrachloride
Concen: 19.721 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 61198

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.3	111.5
121	30.0	22.4	33.6

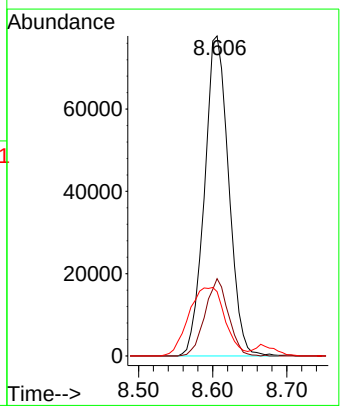


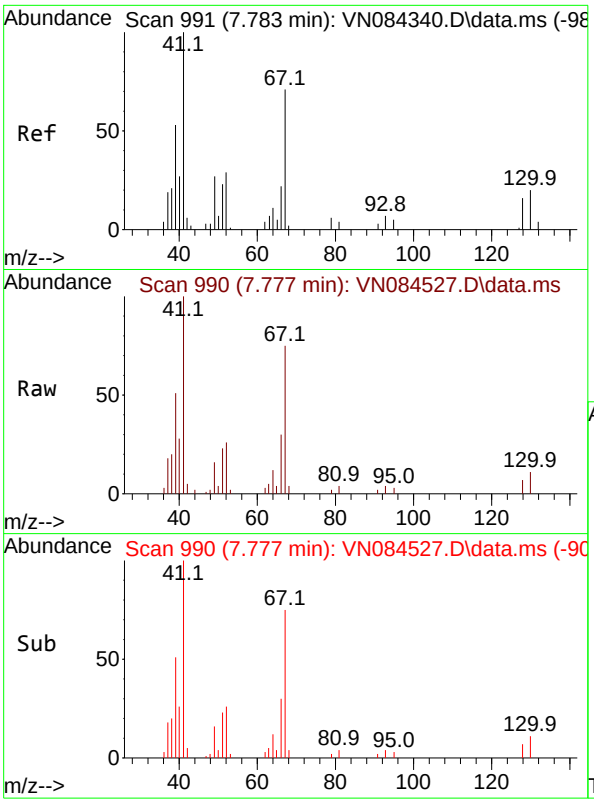


#34
Benzene
Concen: 20.078 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 78 Resp: 176120

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4
51	18.6	15.8	23.6



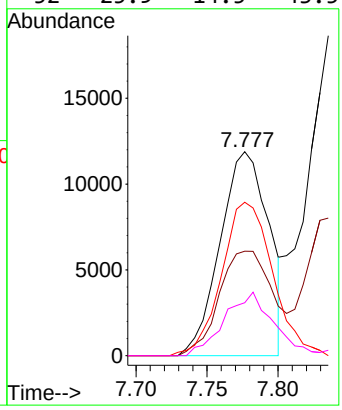


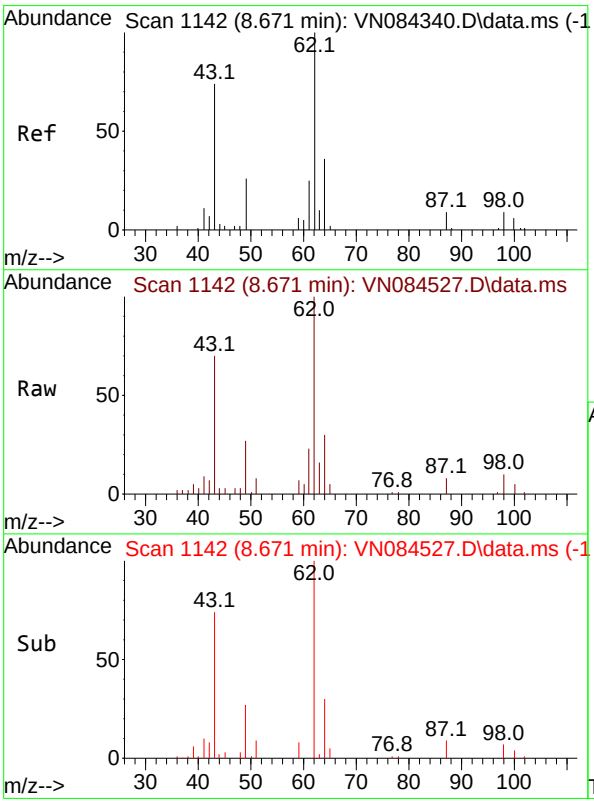
#35
Methacrylonitrile
Concen: 17.713 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 41 Resp: 28193

Ion	Ratio	Lower	Upper
41	100		
39	51.2	26.4	79.0
67	73.5	35.7	107.1
52	25.9	14.5	43.5

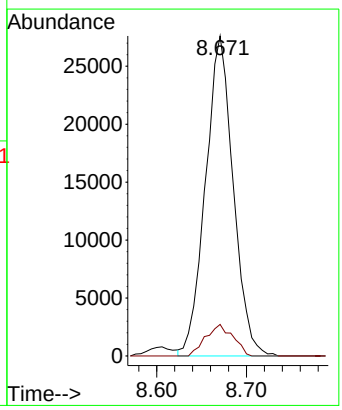


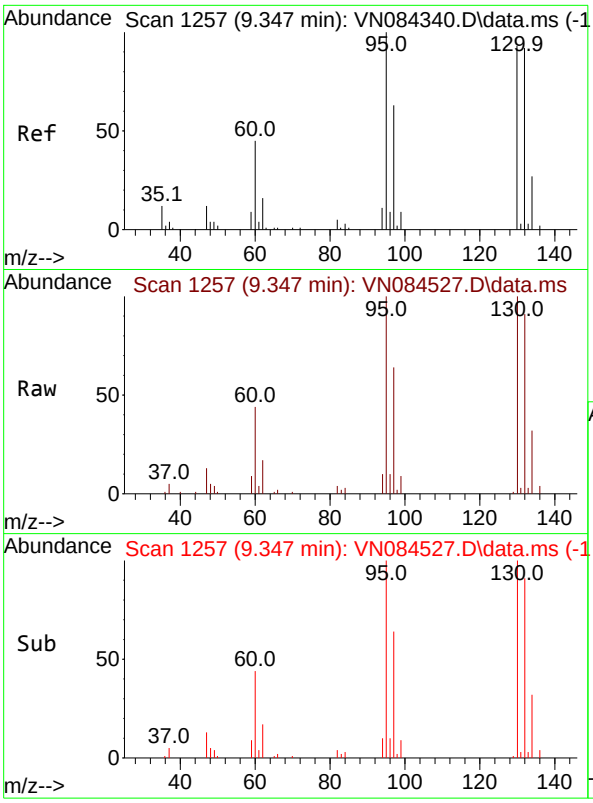


#36
1,2-Dichloroethane
Concen: 20.279 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 62 Resp: 59295

Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.3	10.9



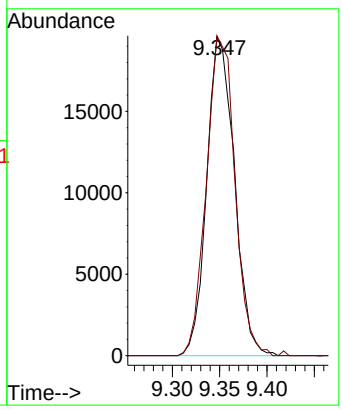


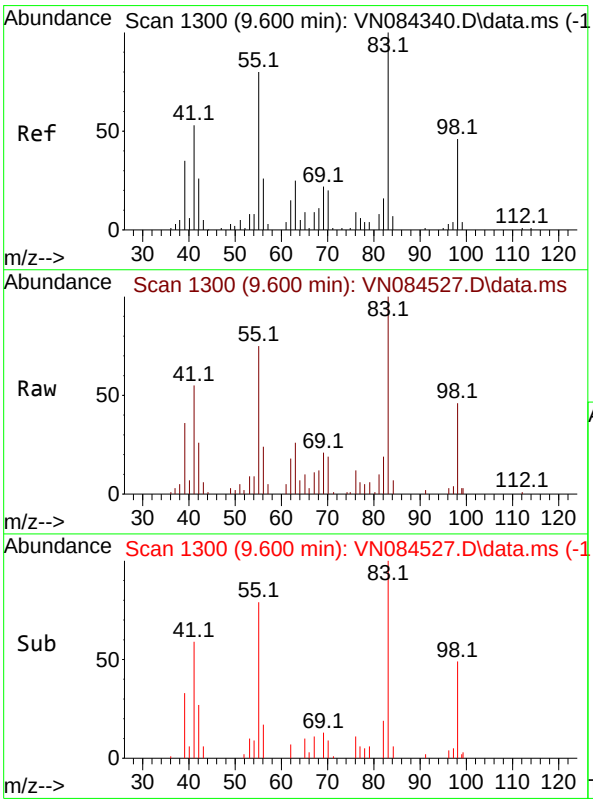
#37
Trichloroethene
Concen: 19.729 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:130 Resp: 39851

Ion	Ratio	Lower	Upper
130	100		
95	100.5	85.8	128.6

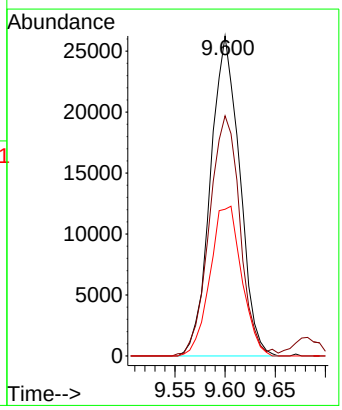


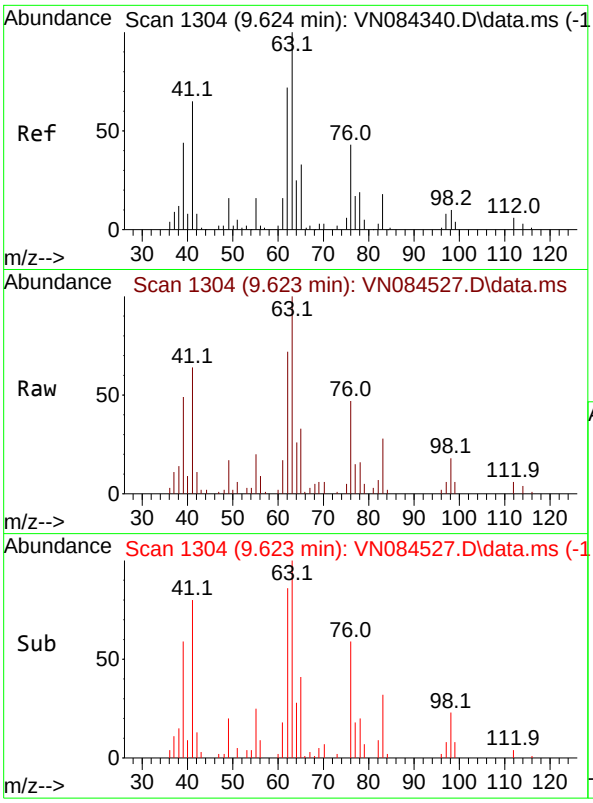


#38
Methylcyclohexane
Concen: 17.289 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 83 Resp: 53218

Ion	Ratio	Lower	Upper
83	100		
55	79.0	39.3	117.8
98	50.7	24.0	72.0



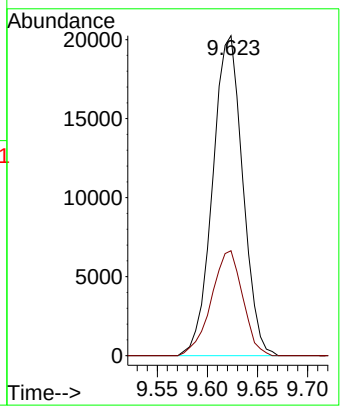


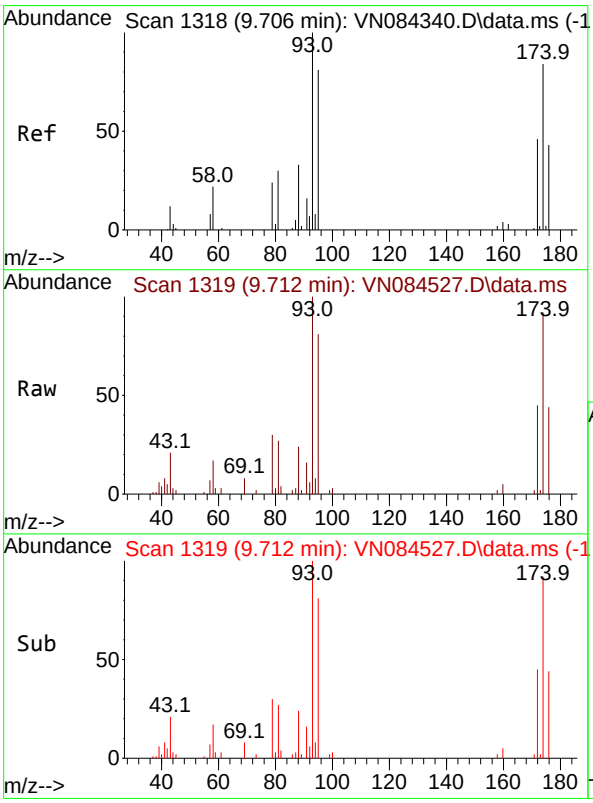
#39
1,2-Dichloropropane
Concen: 19.777 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 42306

Ion	Ratio	Lower	Upper
63	100		
65	32.8	26.3	39.5

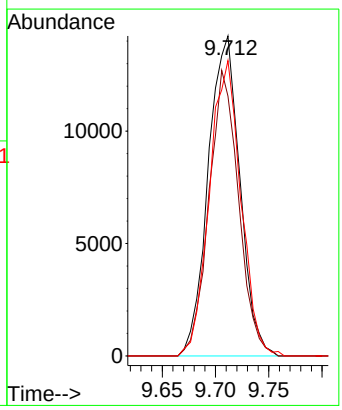


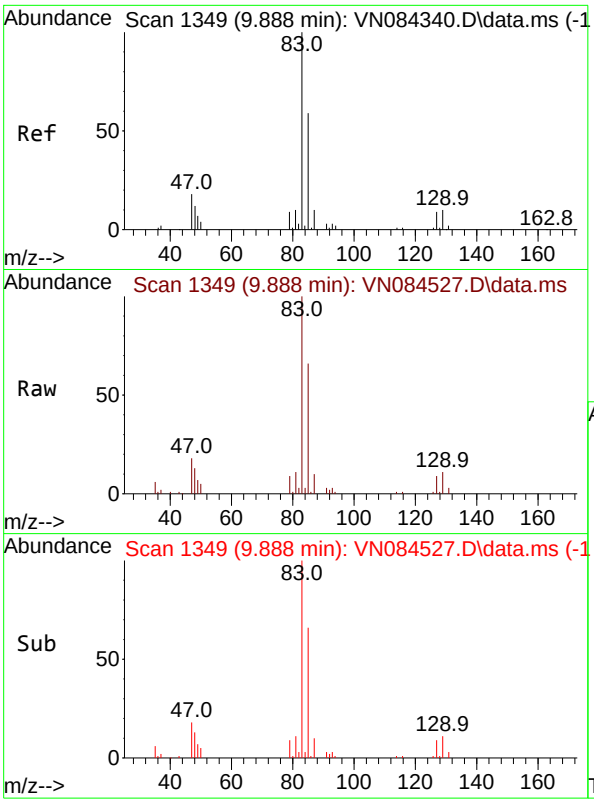


#40
Dibromomethane
Concen: 19.691 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 93 Resp: 29439

Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	171.4
174	91.5	0.0	183.0



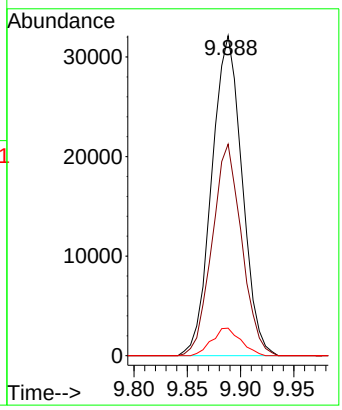


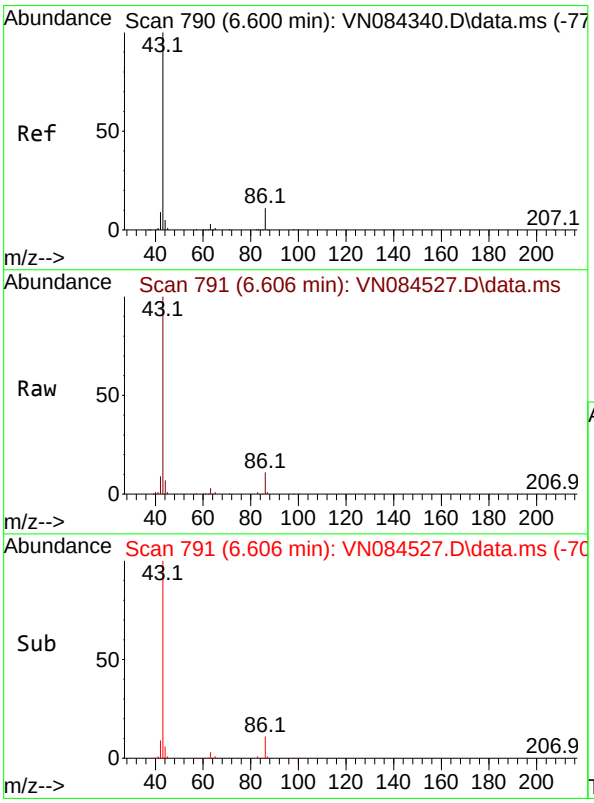
#41
Bromodichloromethane
Concen: 19.998 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 63470

Ion	Ratio	Lower	Upper
83	100		
85	66.1	47.1	70.7
127	8.6	7.1	10.7

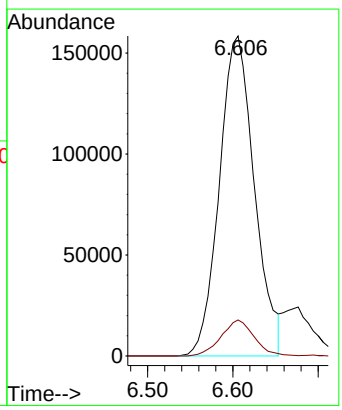


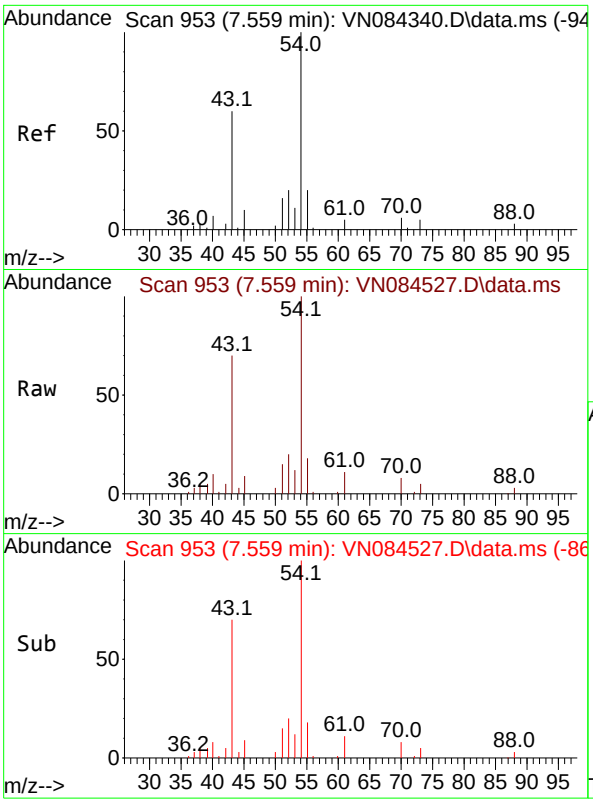


#42
Vinyl Acetate
Concen: 87.500 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 454035

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7



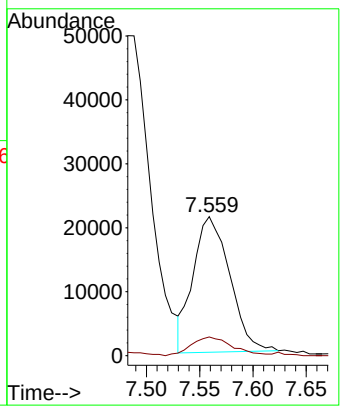


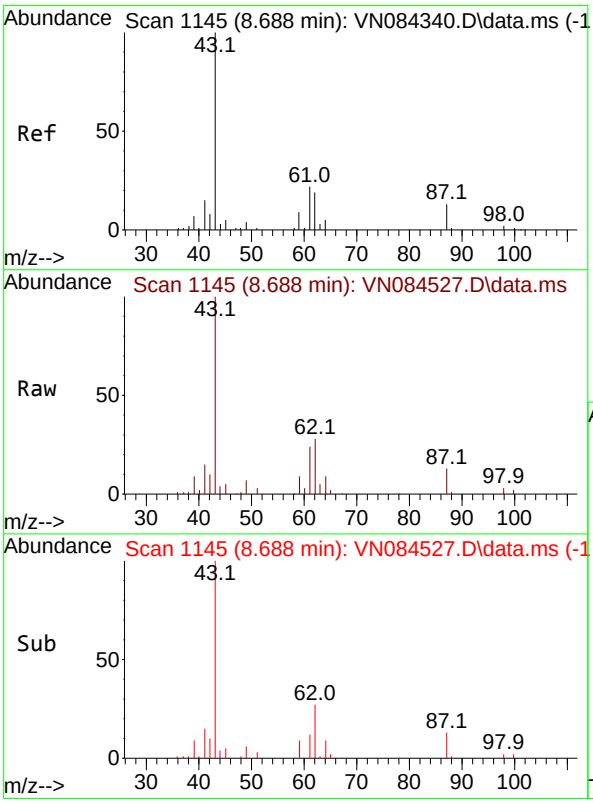
#43
Ethyl Acetate
Concen: 17.263 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 50798

Ion	Ratio	Lower	Upper
43	100		
45	15.3	10.6	16.0

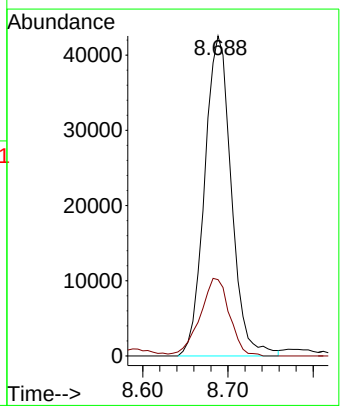


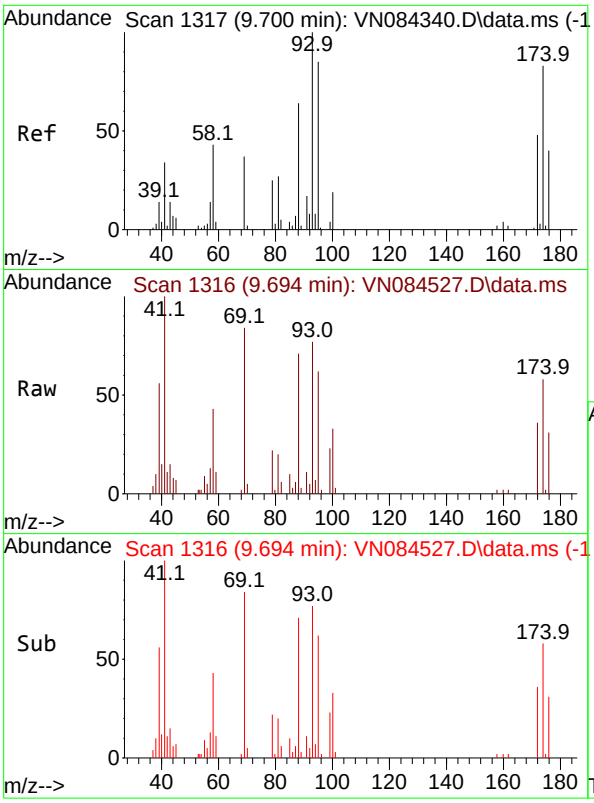


#44
Isopropyl Acetate
Concen: 19.266 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 92788

Ion	Ratio	Lower	Upper
43	100		
61	25.3	21.4	32.2



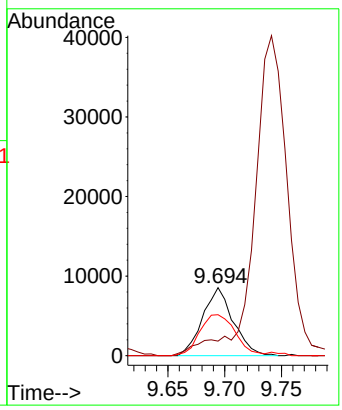


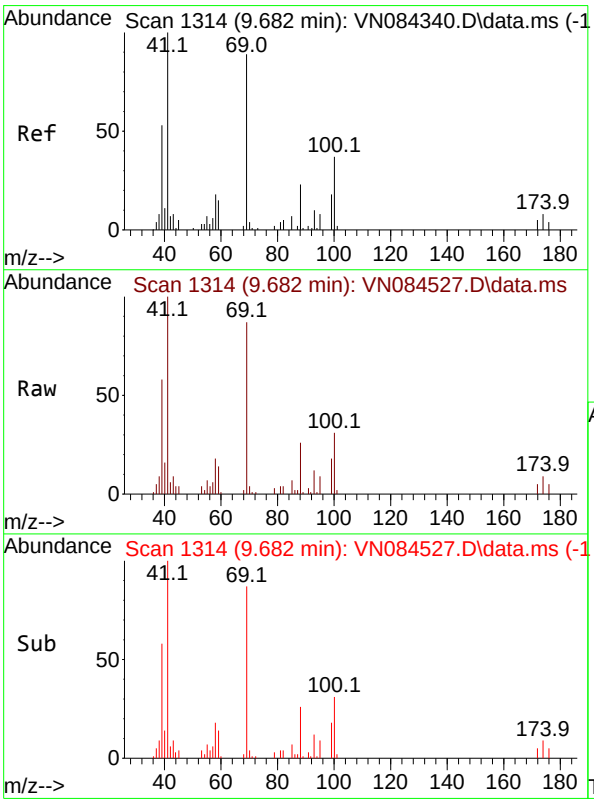
#45
1,4-Dioxane
Concen: 369.015 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 88 Resp: 16021

Ion	Ratio	Lower	Upper
88	100		
43	9.7	22.4	33.6#
58	70.1	59.7	89.5

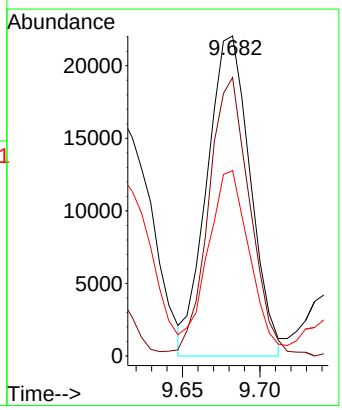


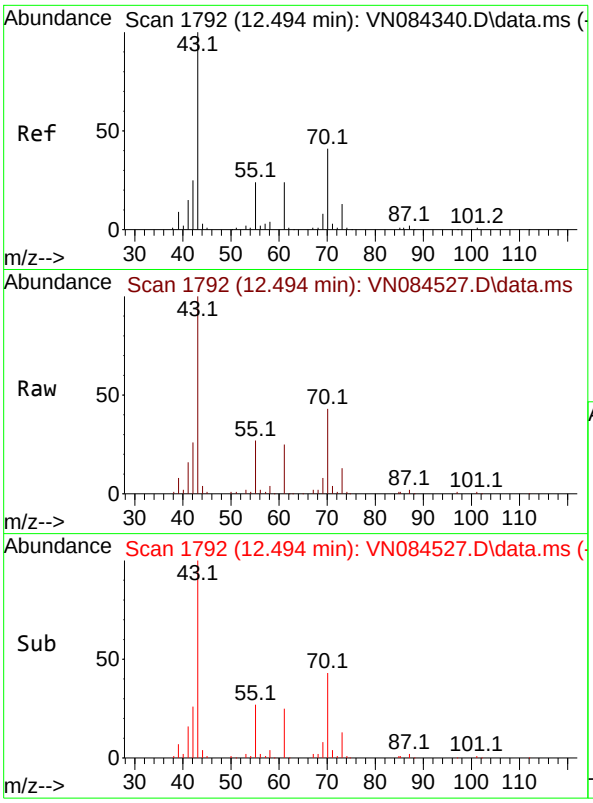


#46
Methyl methacrylate
Concen: 18.395 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 41 Resp: 42804

Ion	Ratio	Lower	Upper
41	100		
69	90.0	42.6	128.0
39	57.4	27.5	82.4



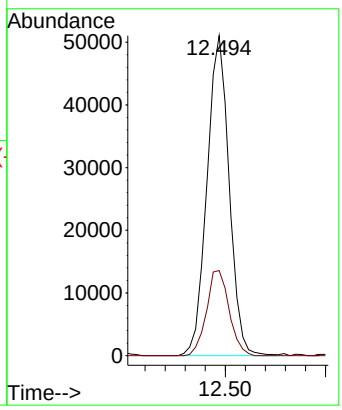


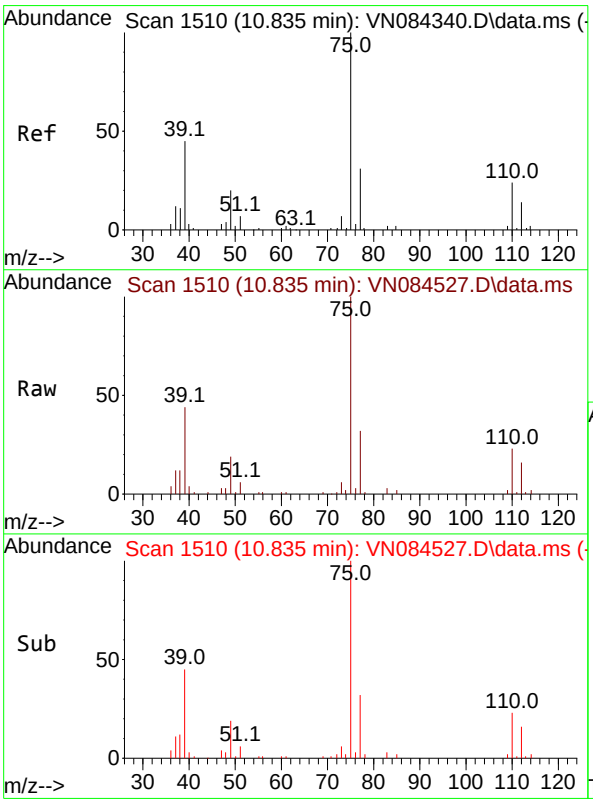
#47
n-amyl Acetate
Concen: 18.307 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 78426

Ion	Ratio	Lower	Upper
43	100		
55	27.2	20.6	31.0

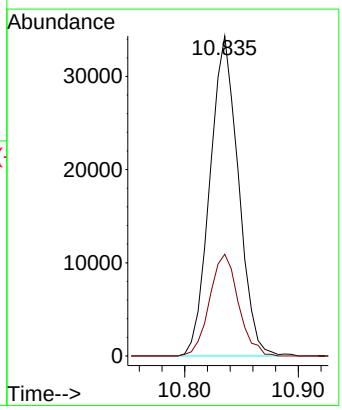


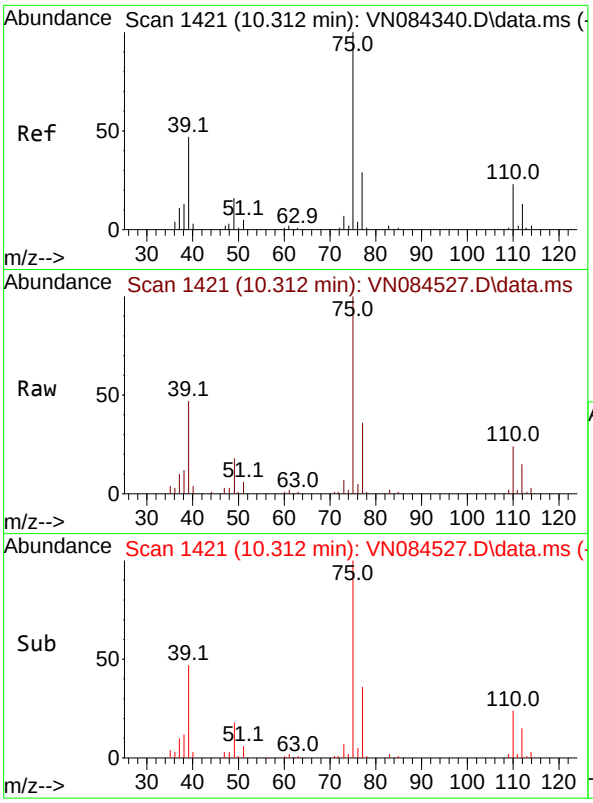


#48
t-1,3-Dichloropropene
Concen: 18.236 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 59808

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	37.0



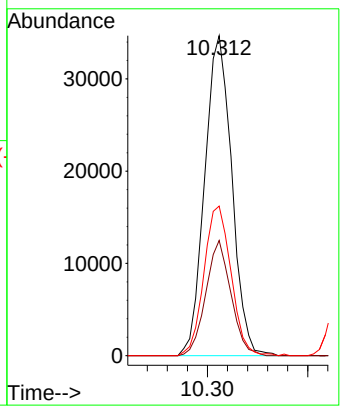


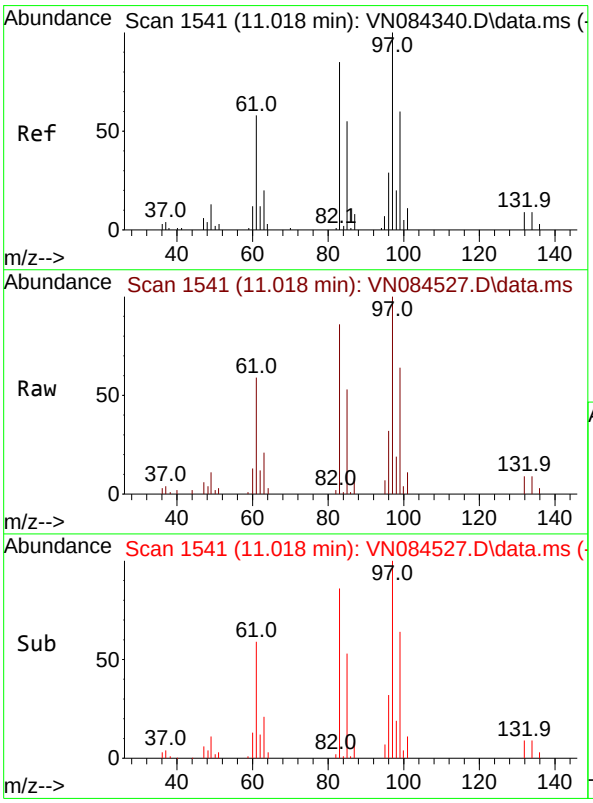
#49
cis-1,3-Dichloropropene
Concen: 18.913 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 65006

Ion	Ratio	Lower	Upper
75	100		
77	36.0	22.9	34.3#
39	46.7	37.4	56.2

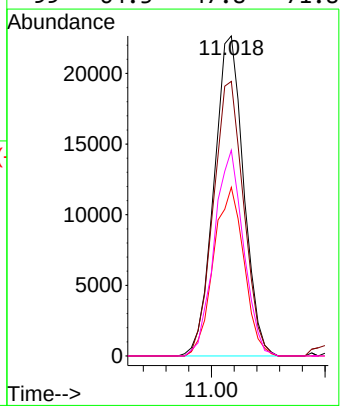


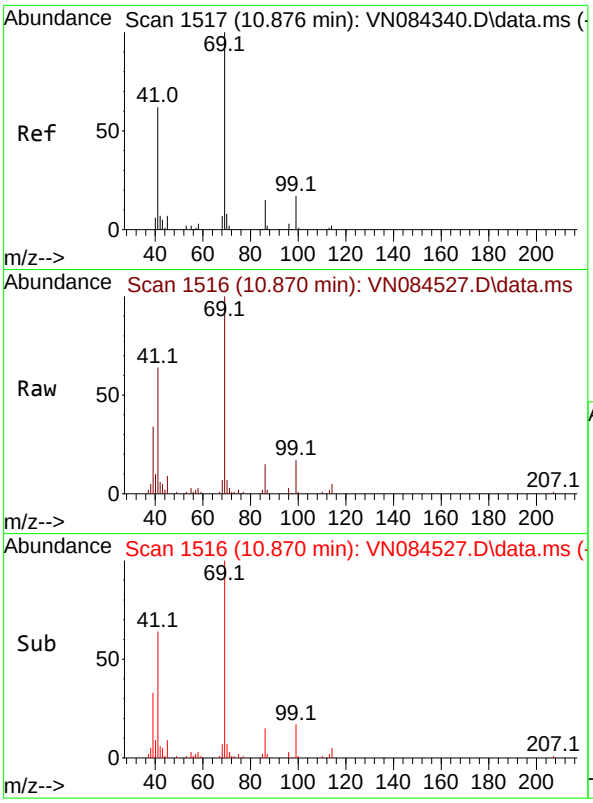


#50
1,1,2-Trichloroethane
Concen: 20.399 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 97 Resp: 40992

Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.8	101.8
85	52.7	44.2	66.2
99	64.3	47.8	71.8



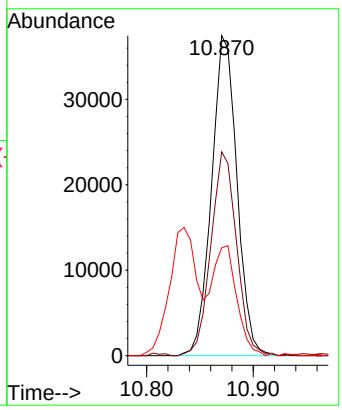


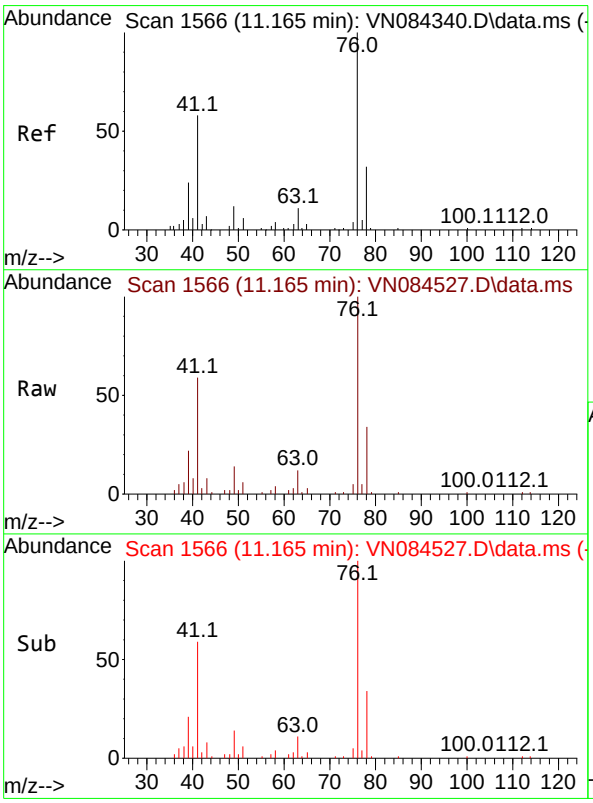
#51
Ethyl methacrylate
Concen: 18.717 ug/l
RT: 10.870 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 62124

Ion	Ratio	Lower	Upper
69	100		
41	63.7	30.9	92.7
39	33.7	16.6	49.7

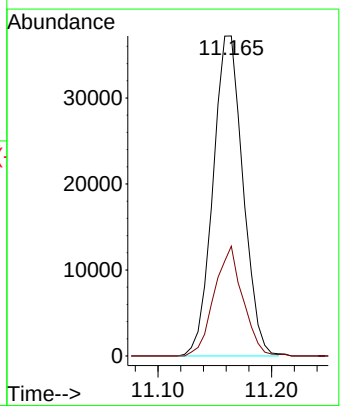


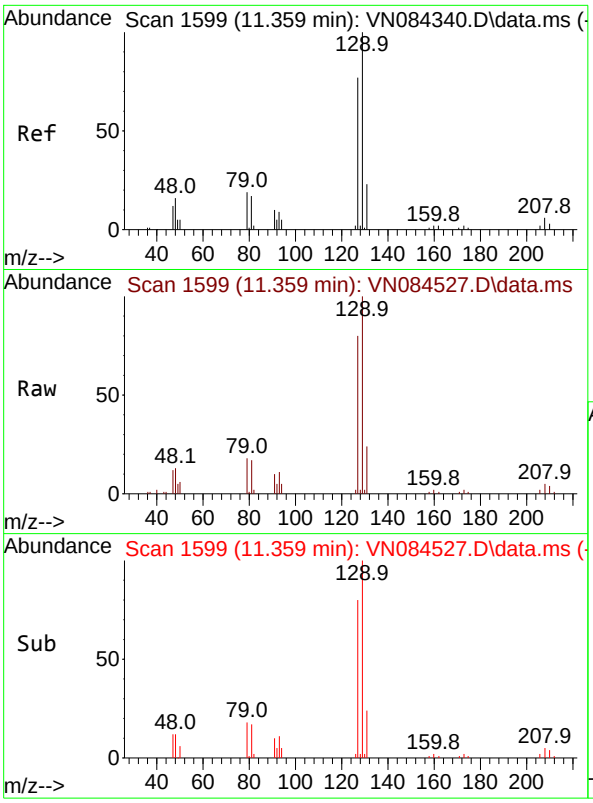


#52
1,3-Dichloropropane
Concen: 19.446 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 76 Resp: 68327

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.2



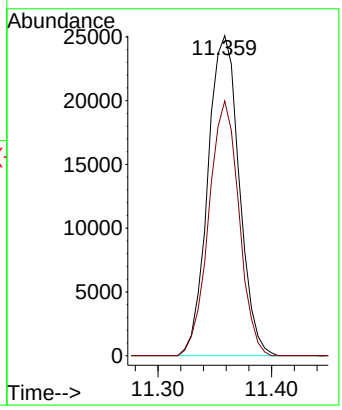


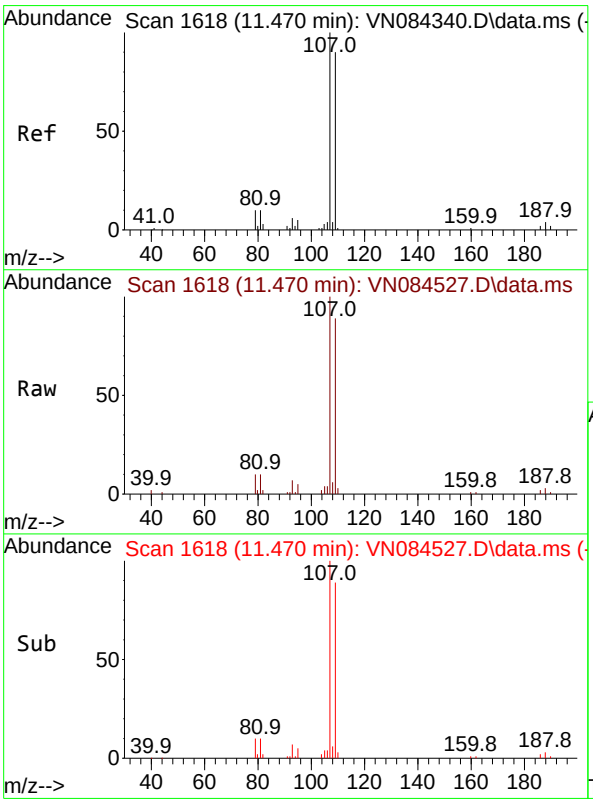
#53
Dibromochloromethane
Concen: 20.274 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 48126

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5

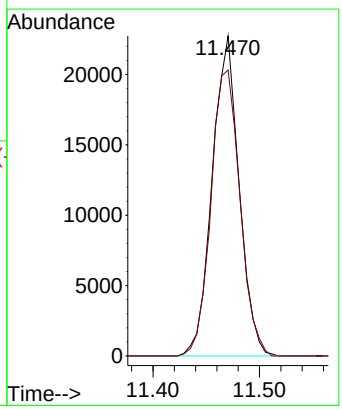


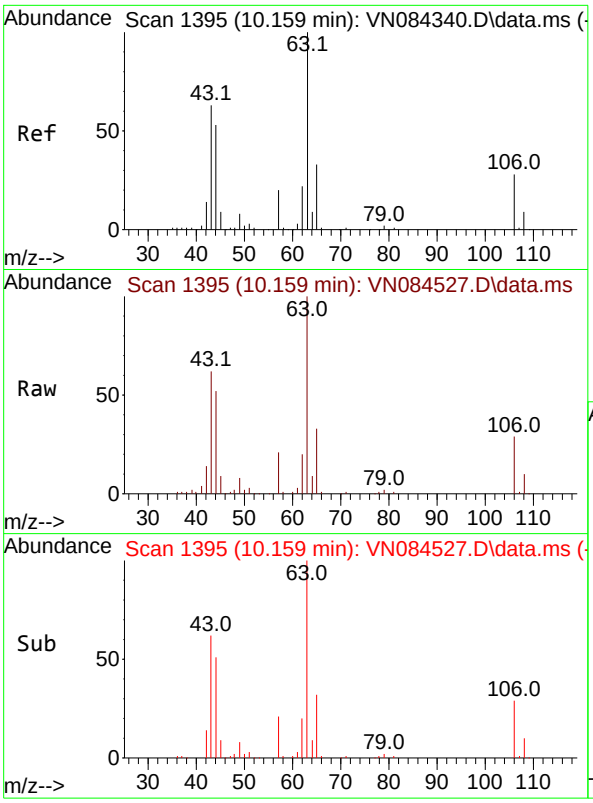


#54
1,2-Dibromoethane
Concen: 19.261 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:107 Resp: 39841

Ion	Ratio	Lower	Upper
107	100		
109	96.4	73.8	110.6



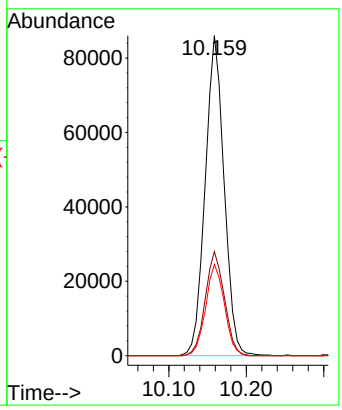


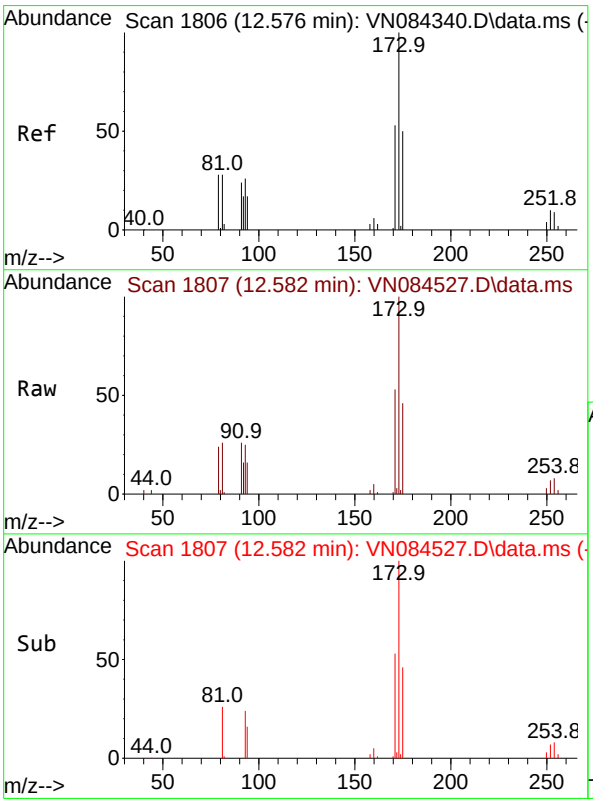
#55
2-Chloroethyl vinyl ether
Concen: 96.799 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 145723

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.6	38.4
106	28.4	21.6	32.4

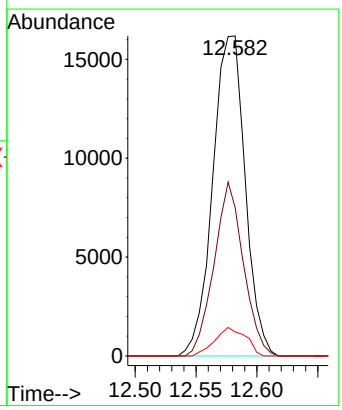


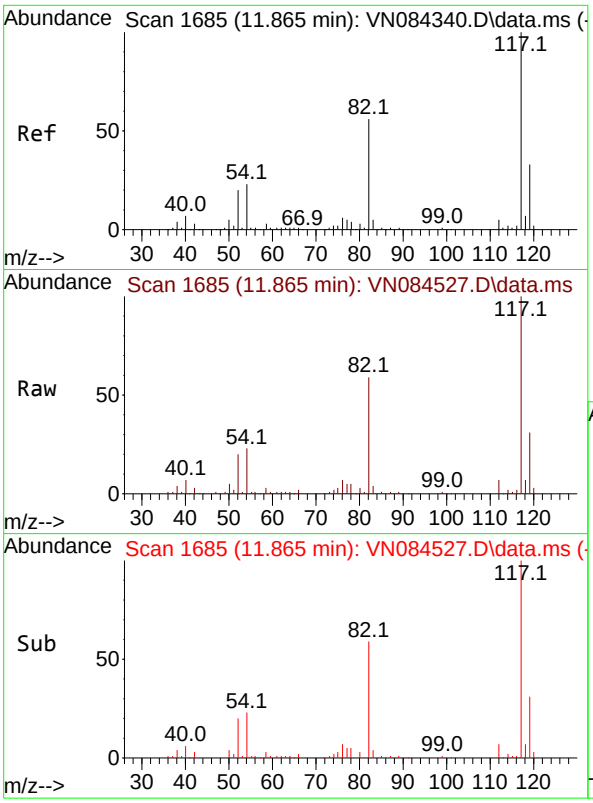


#56
Bromoform
Concen: 19.086 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:173 Resp: 30049

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.4	59.2
254	8.5	6.8	10.2



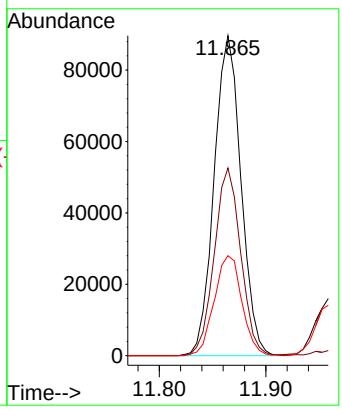


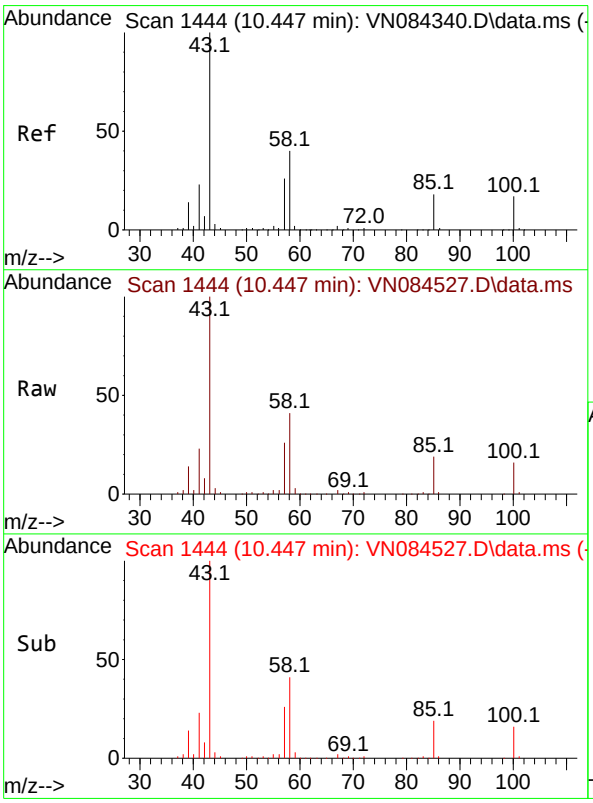
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 157076

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.2	69.4
119	32.1	25.4	38.2

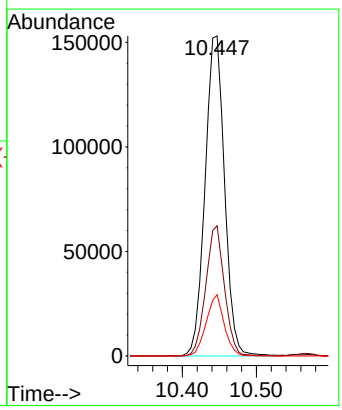


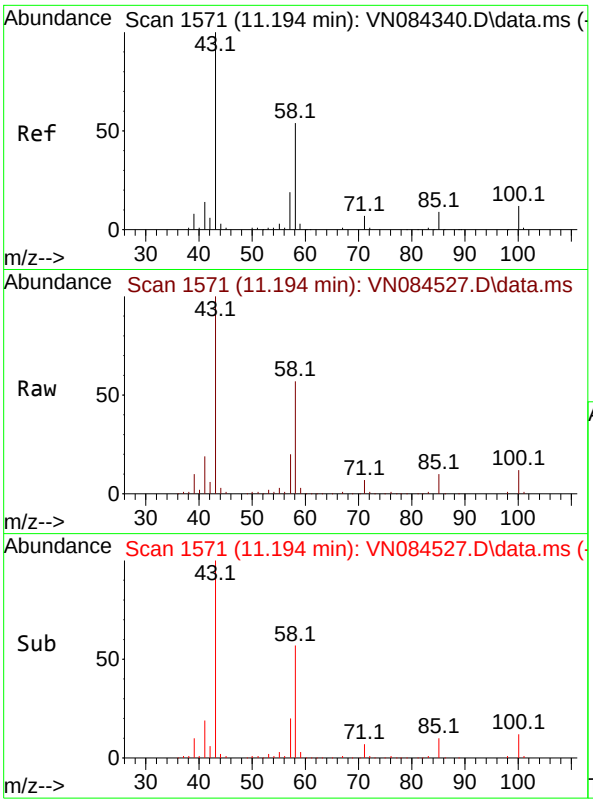


#58
4-Methyl-2-Pentanone
Concen: 95.601 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 43 Resp: 279735

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.9	47.9
85	17.7	14.6	22.0



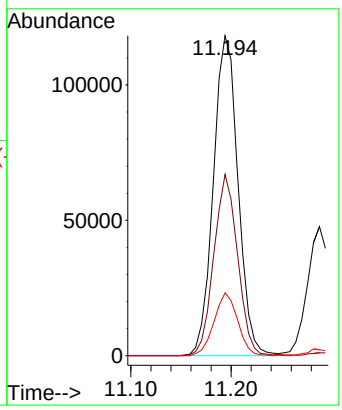


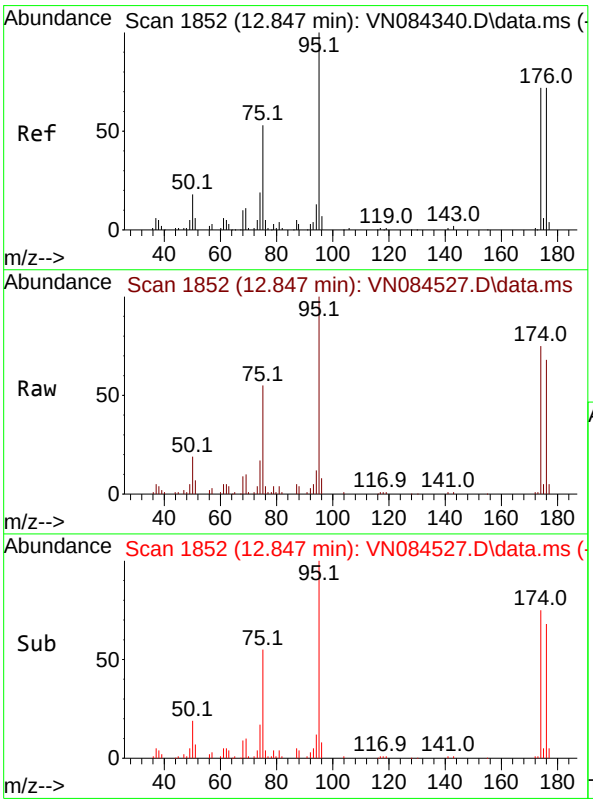
#59
2-Hexanone
Concen: 92.927 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 202052

Ion	Ratio	Lower	Upper
43	100		
58	54.4	44.0	66.0
57	18.8	15.4	23.2

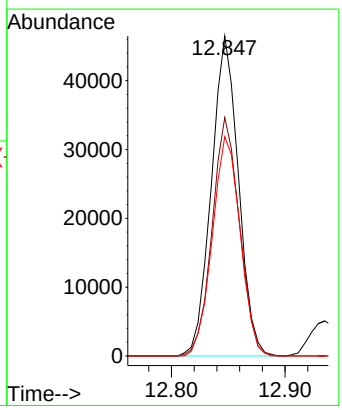


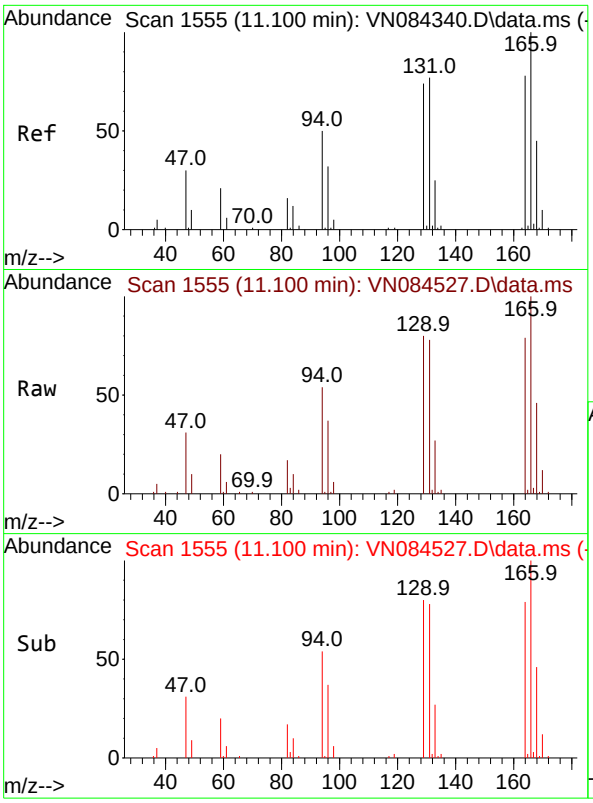


#60
4-Bromofluorobenzene
Concen: 29.657 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 95 Resp: 76884

Ion	Ratio	Lower	Upper
95	100		
174	75.1	58.2	87.2
176	70.7	56.4	84.6



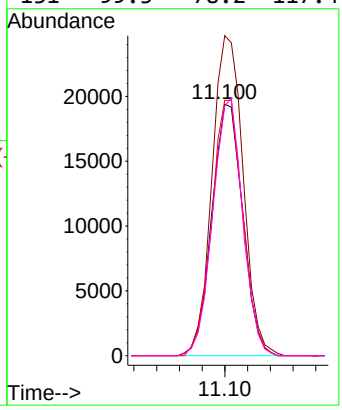


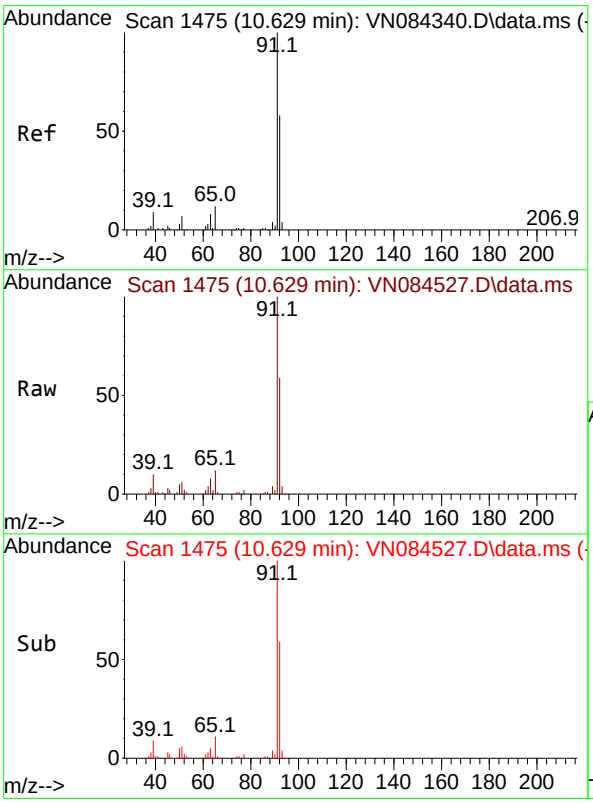
#61
Tetrachloroethene
Concen: 20.663 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:164 Resp: 36713

Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.5	153.7
129	101.6	75.7	113.5
131	99.3	78.2	117.4

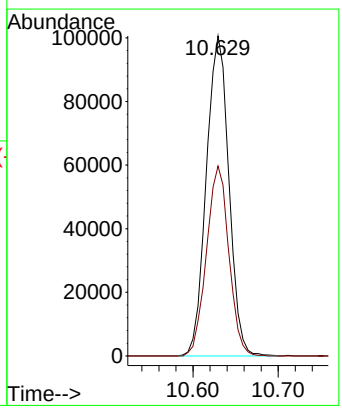


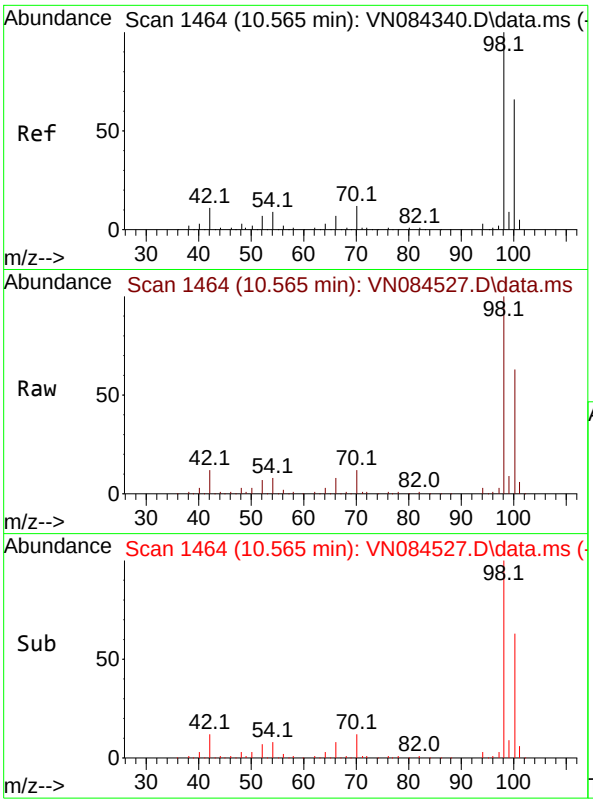


#62
Toluene
Concen: 20.155 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 185332

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.2	70.8



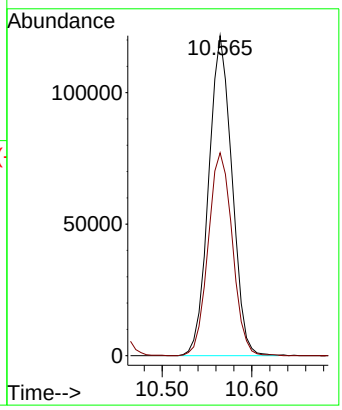


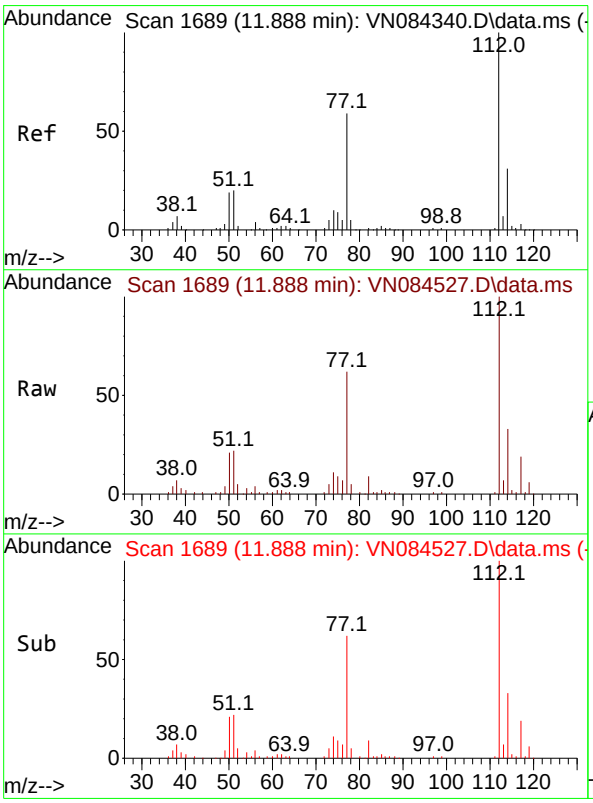
#63
Toluene-d8
Concen: 30.159 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 219459

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

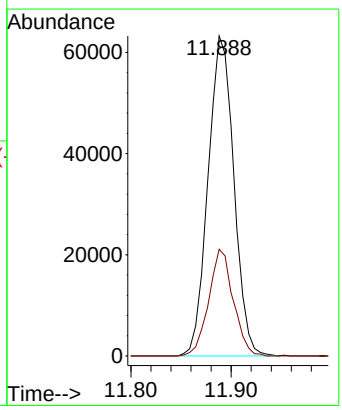


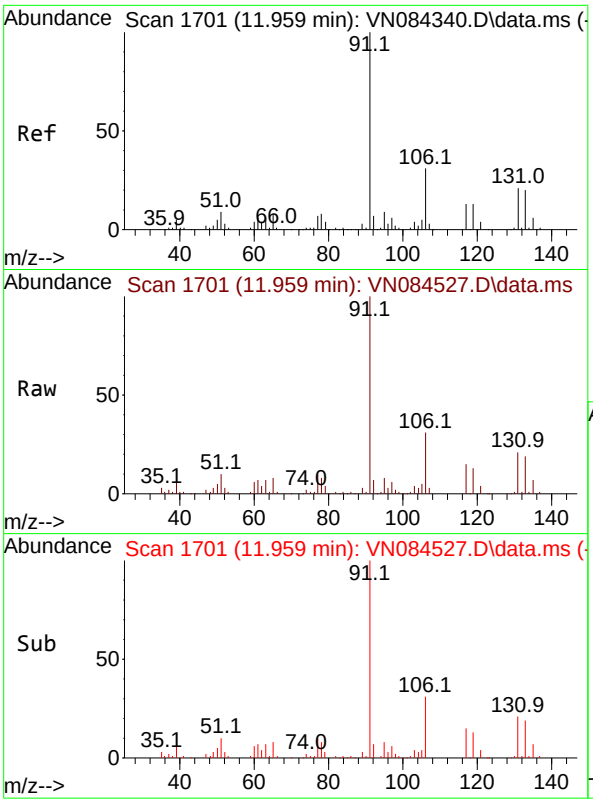


#64
Chlorobenzene
Concen: 19.775 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:112 Resp: 113160

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.1	37.7



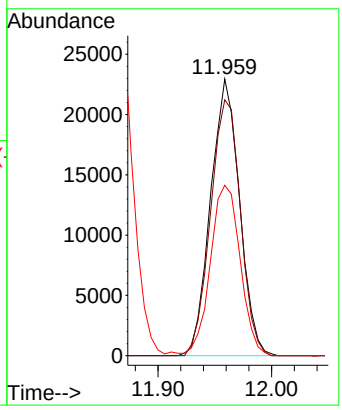


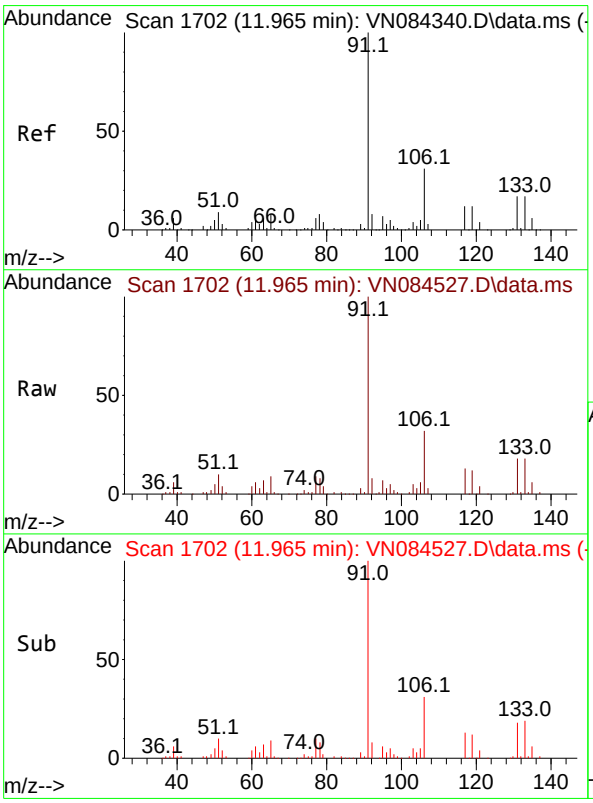
#65
1,1,1,2-Tetrachloroethane
Concen: 20.444 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 40642

Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	190.4
119	63.5	0.0	130.0

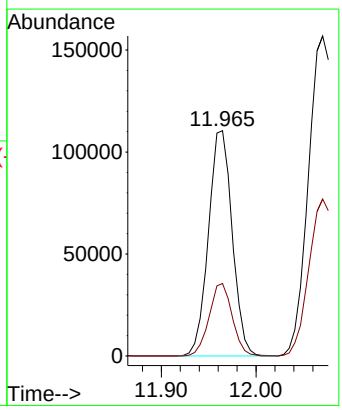


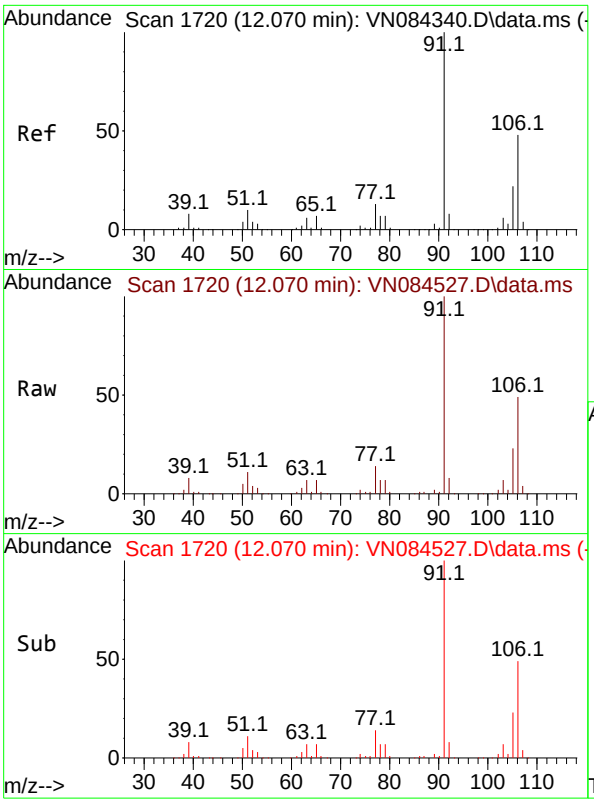


#66
Ethyl Benzene
Concen: 19.272 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 192535

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.2	37.8



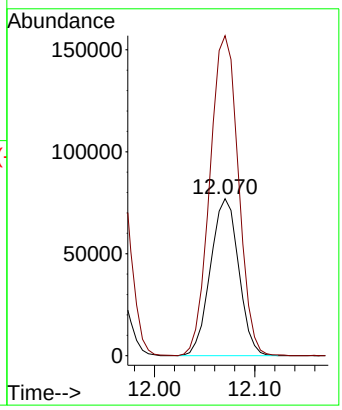


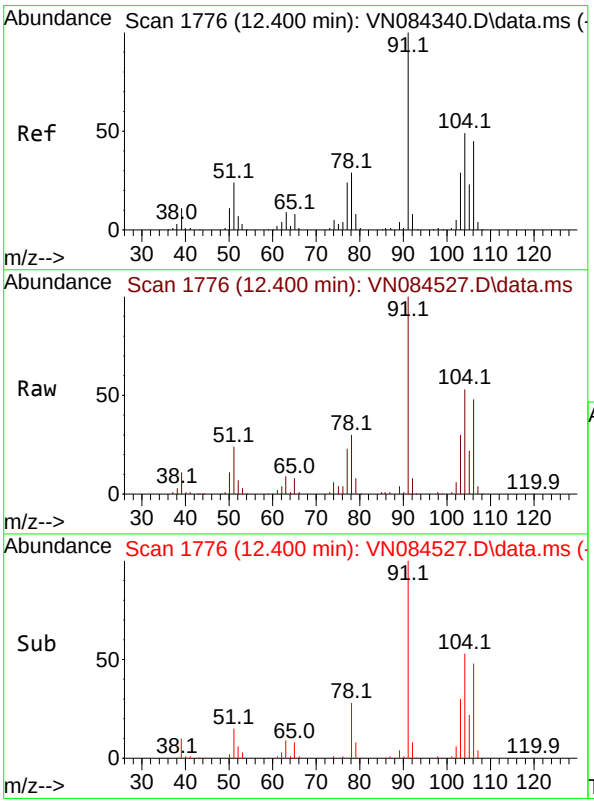
#67
m/p-Xylenes
Concen: 39.725 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 150556

Ion	Ratio	Lower	Upper
106	100		
91	206.1	166.7	250.1

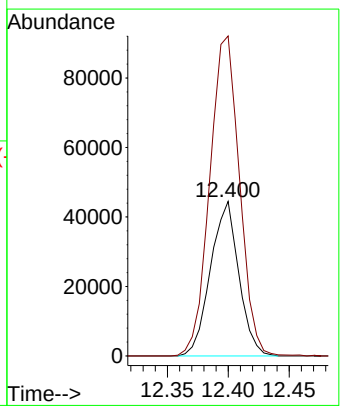


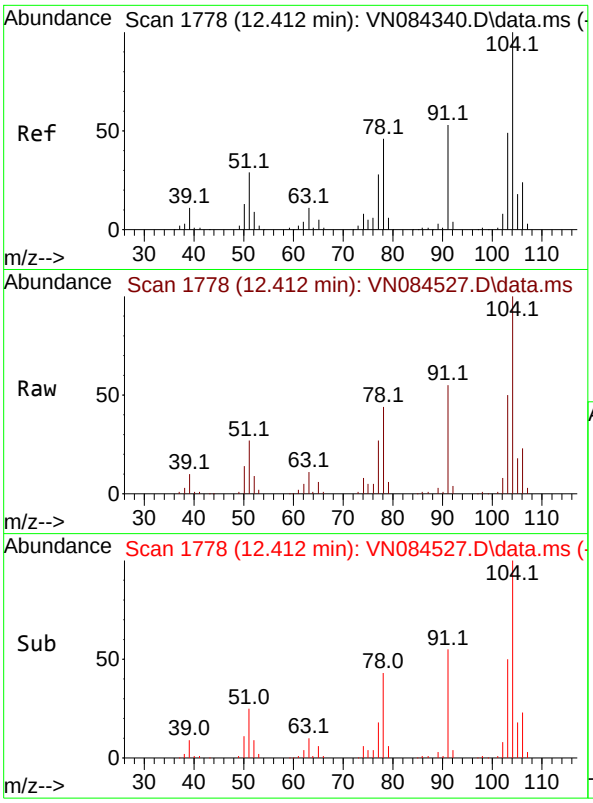


#68
o-Xylene
Concen: 19.660 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:106 Resp: 71820

Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.9	332.9



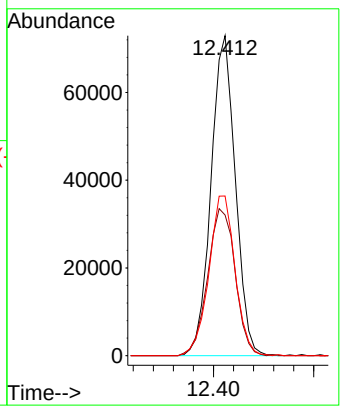


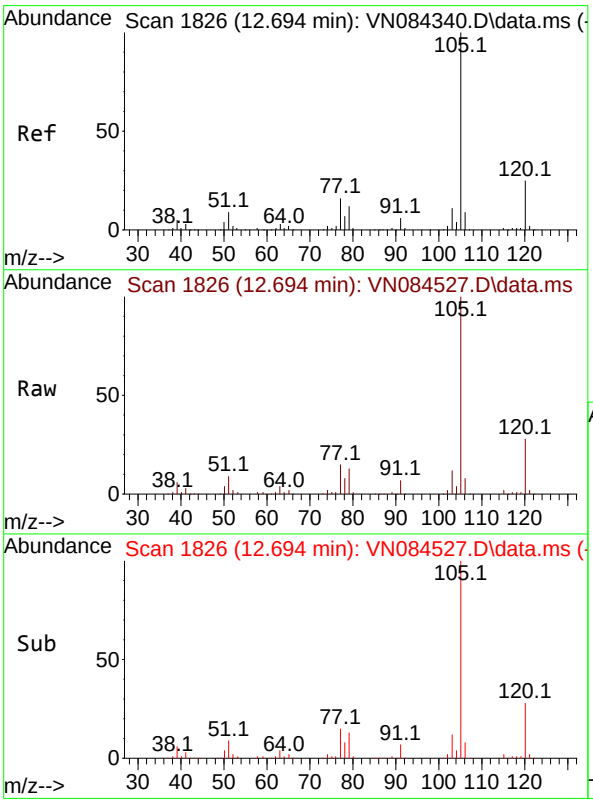
#69
Styrene
Concen: 19.558 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 122646

Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.6	62.4
103	53.8	44.4	66.6

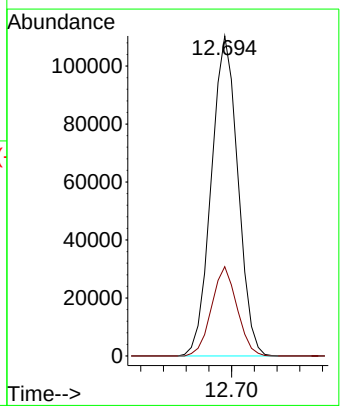


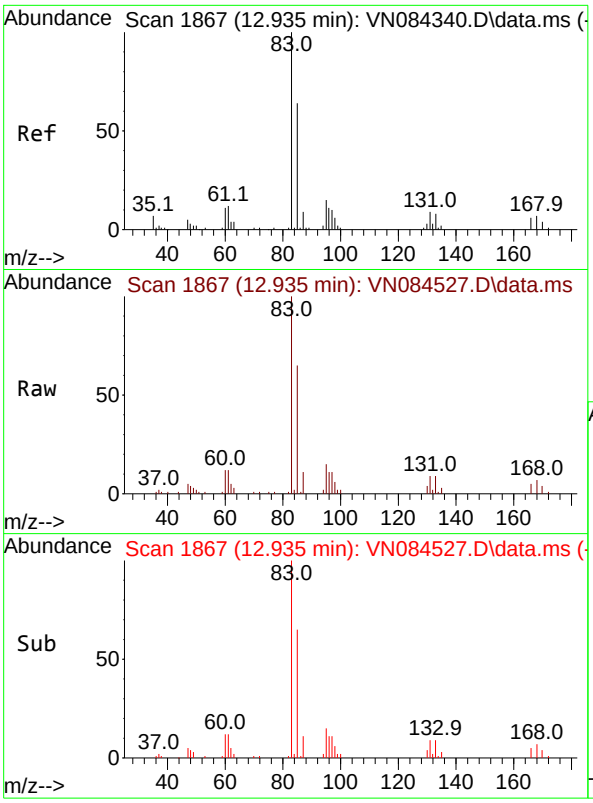


#70
Isopropylbenzene
Concen: 19.247 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 179492

Ion	Ratio	Lower	Upper
105	100		
120	26.7	17.4	32.4



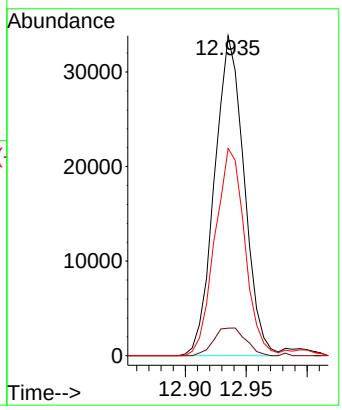


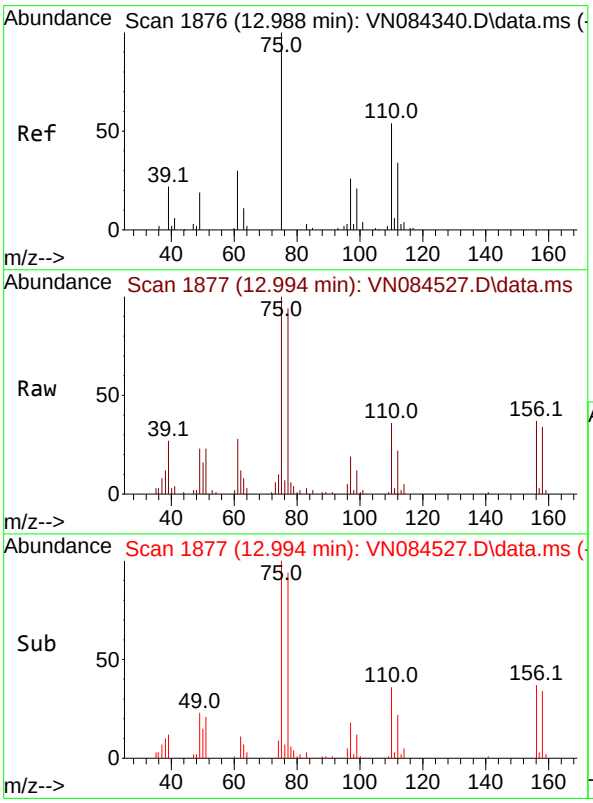
#71
1,1,2,2-Tetrachloroethane
Concen: 19.873 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 57333

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.1	15.3
85	65.4	32.0	96.2

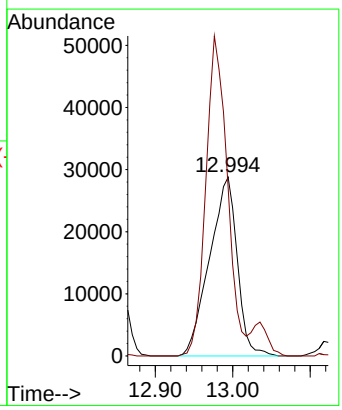


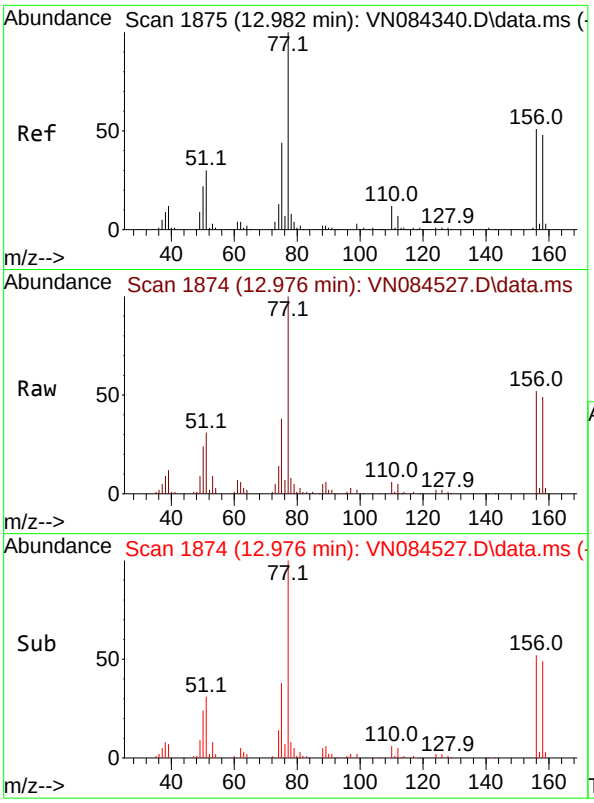


#72
1,2,3-Trichloropropane
Concen: 28.894 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 71391

Ion	Ratio	Lower	Upper
75	100		
77	139.1	0.0	414.0



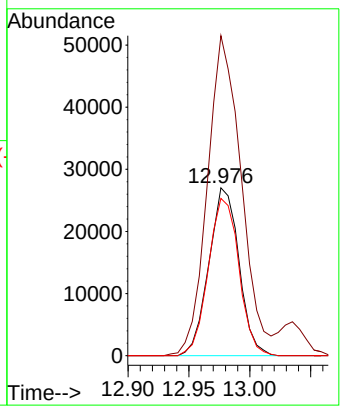


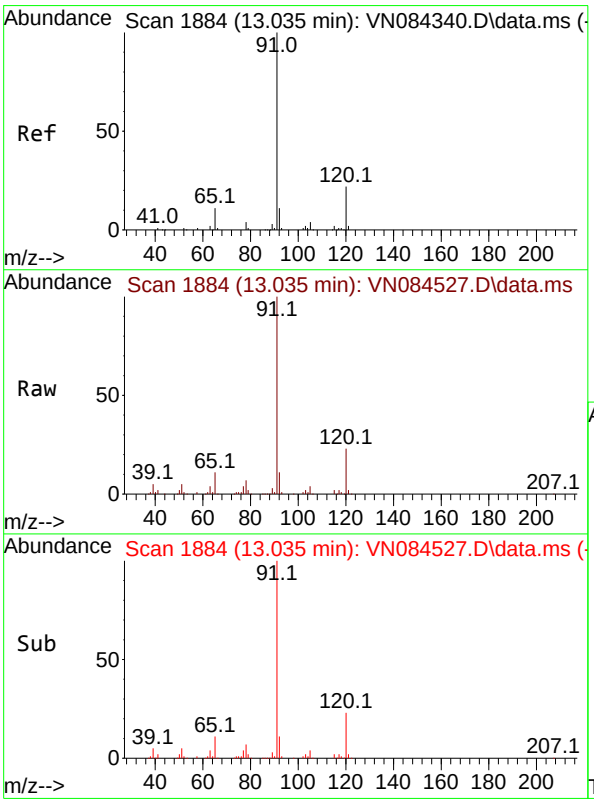
#73
Bromobenzene
Concen: 20.557 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 46430

Ion	Ratio	Lower	Upper
156	100		
77	213.8	0.0	451.0
158	95.3	0.0	194.6

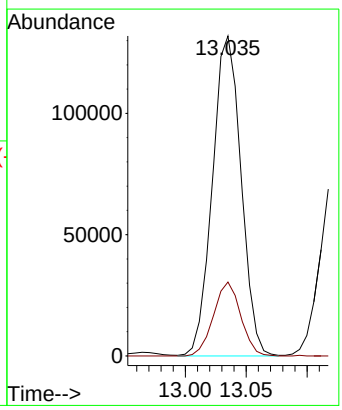


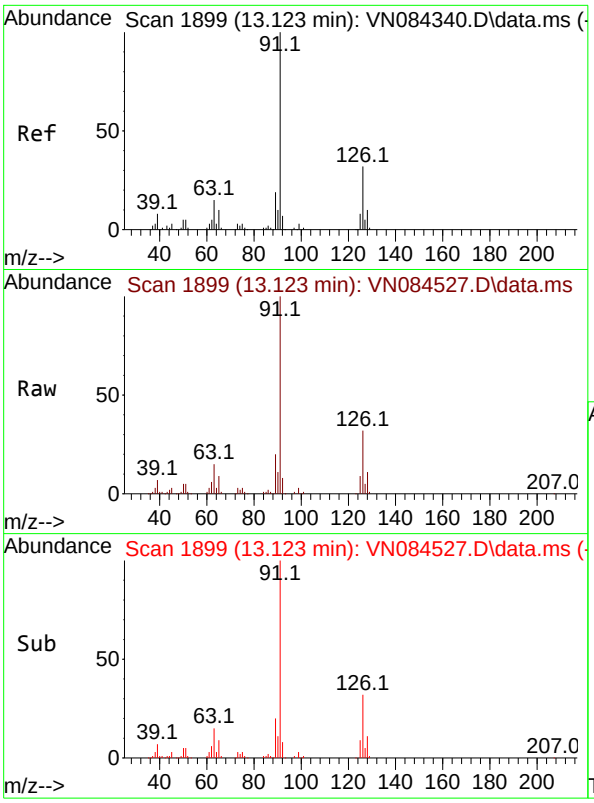


#74
n-propylbenzene
Concen: 19.439 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 216025

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	43.2



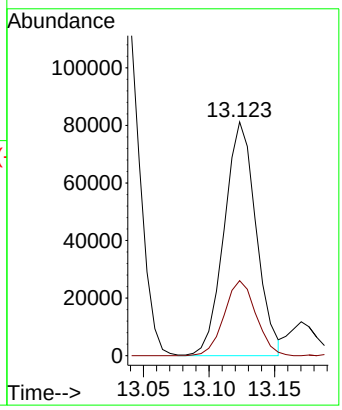


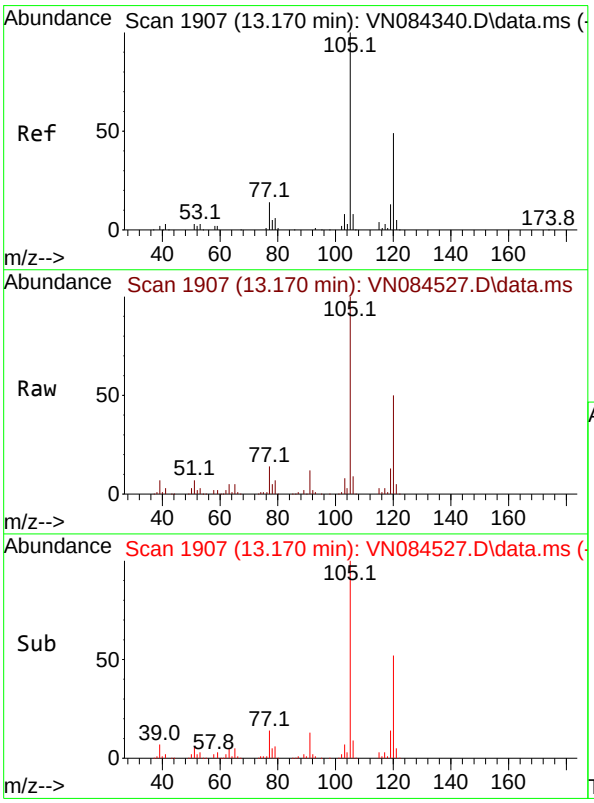
#75
2-Chlorotoluene
Concen: 19.943 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 137724

Ion	Ratio	Lower	Upper
91	100		
126	31.9	0.0	64.0

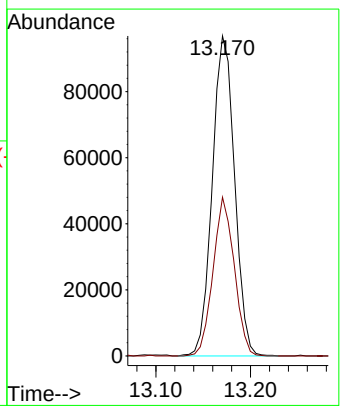


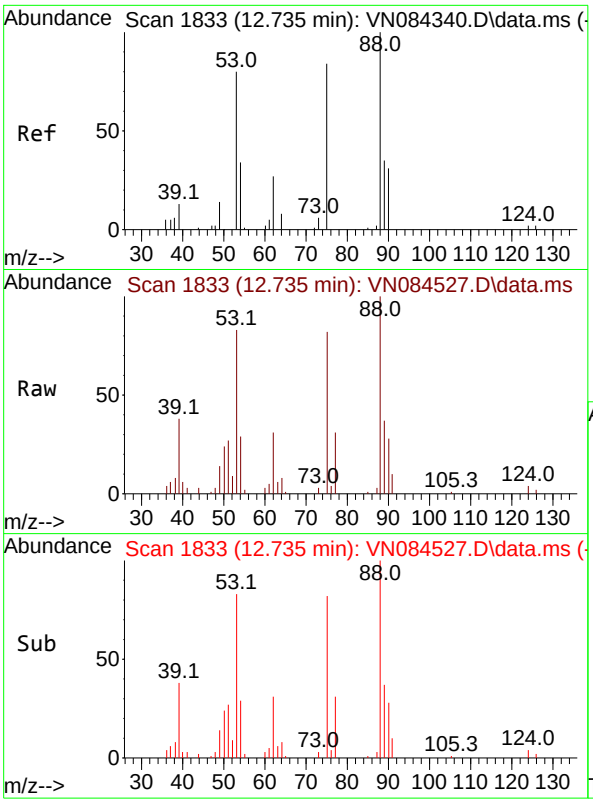


#76
1,3,5-Trimethylbenzene
Concen: 20.164 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 158334

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4



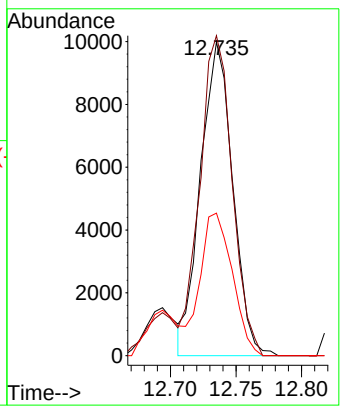


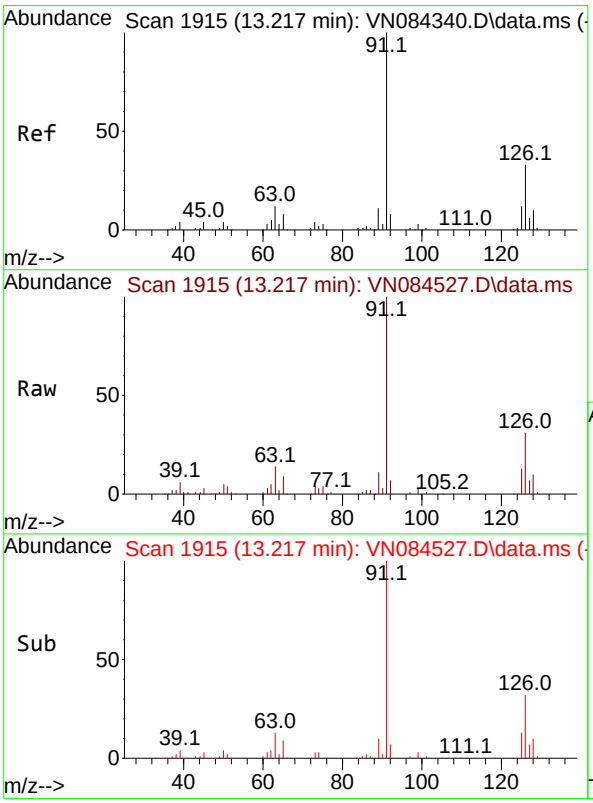
#77
t-1,4-Dichloro-2-butene
Concen: 16.149 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 17050

Ion	Ratio	Lower	Upper
75	100		
53	102.0	47.3	142.0
89	45.4	22.9	68.8

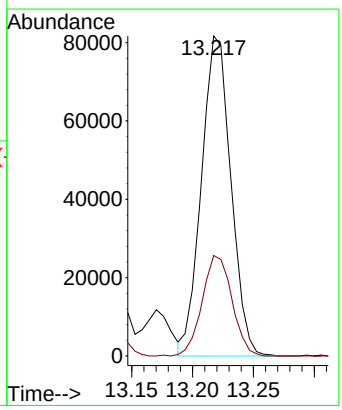


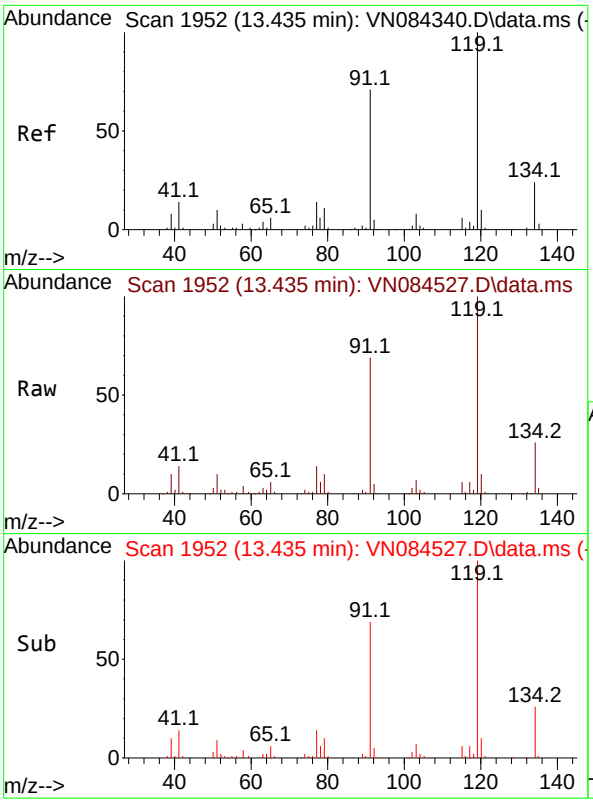


#78
4-Chlorotoluene
Concen: 19.623 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 91 Resp: 137774

Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	62.4



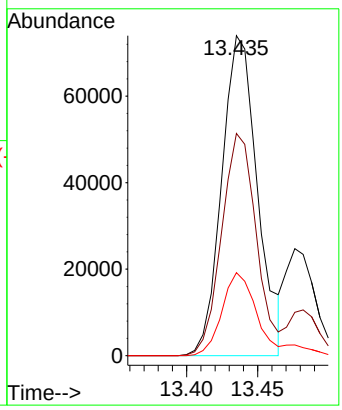


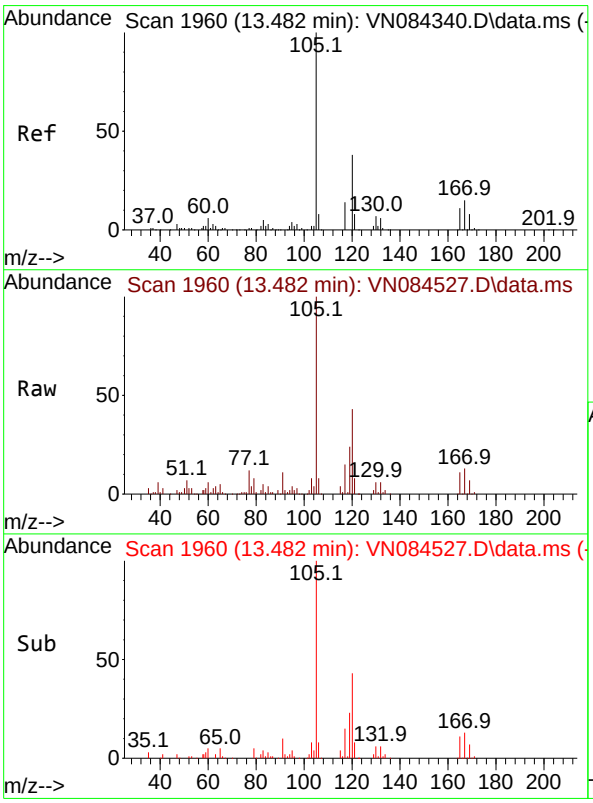
#79
tert-butylbenzene
Concen: 19.353 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 129645

Ion	Ratio	Lower	Upper
119	100		
91	67.6	0.0	138.0
134	24.5	0.0	48.8

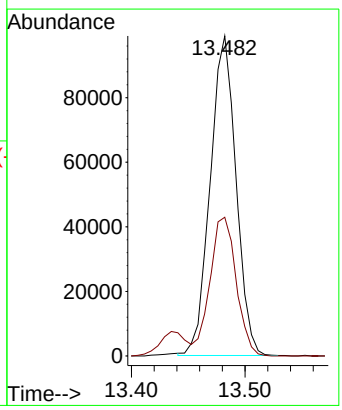


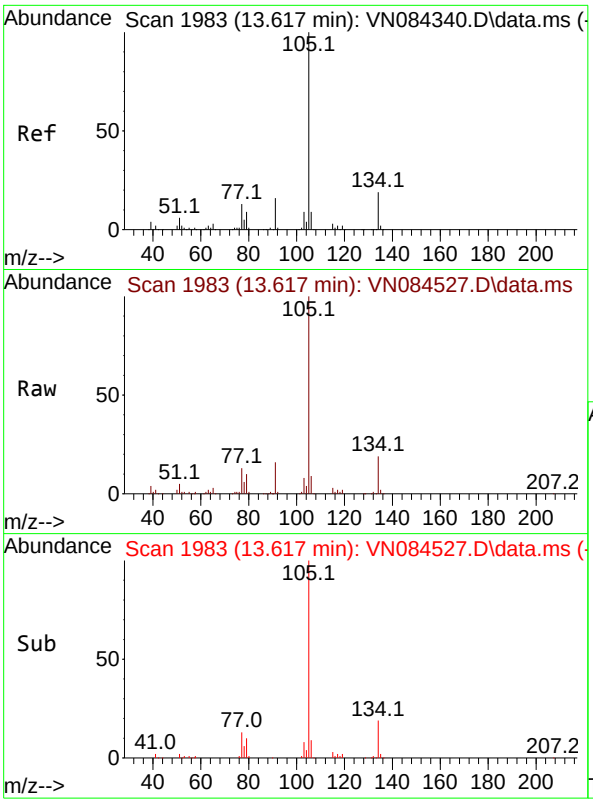


#80
1,2,4-Trimethylbenzene
Concen: 19.607 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:105 Resp: 156217

Ion	Ratio	Lower	Upper
105	100		
120	44.2	0.0	88.8



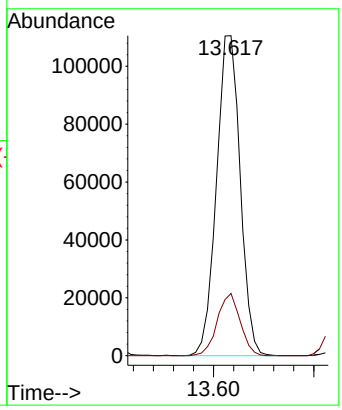


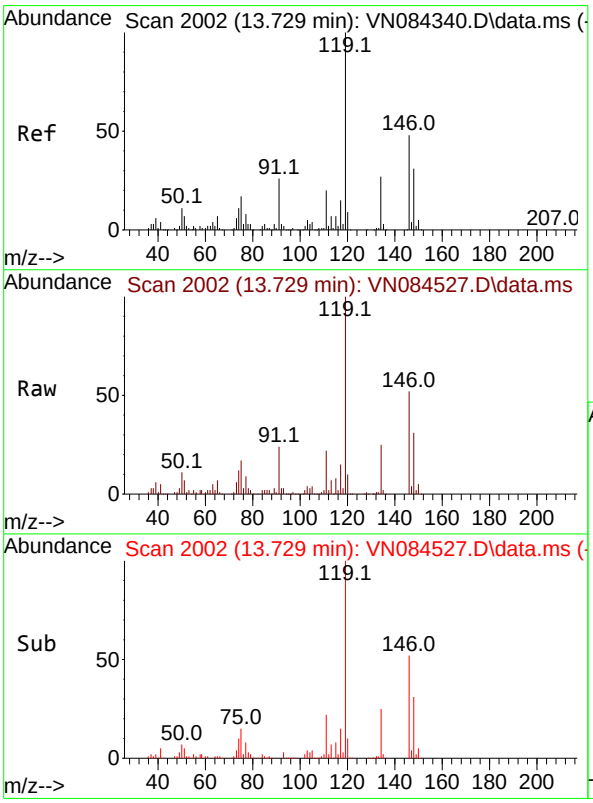
#81
sec-Butylbenzene
Concen: 19.652 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:105 Resp: 181249

Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	38.0

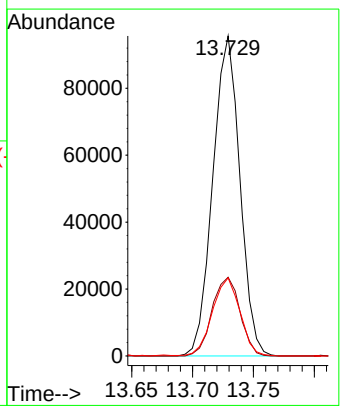


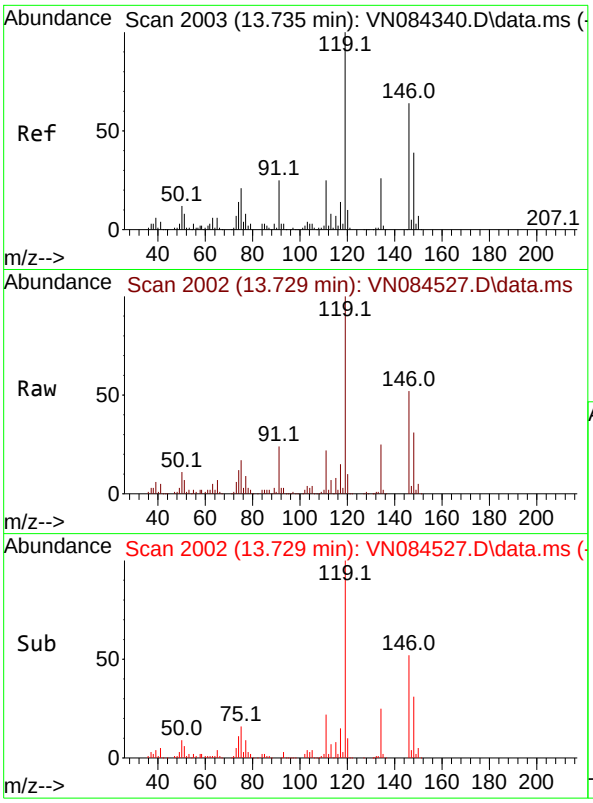


#82
p-Isopropyltoluene
Concen: 19.057 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:119 Resp: 147935

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	50.2
91	24.9	0.0	50.6



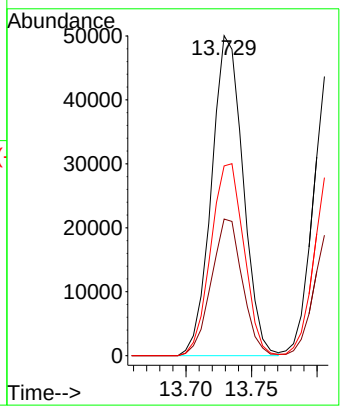


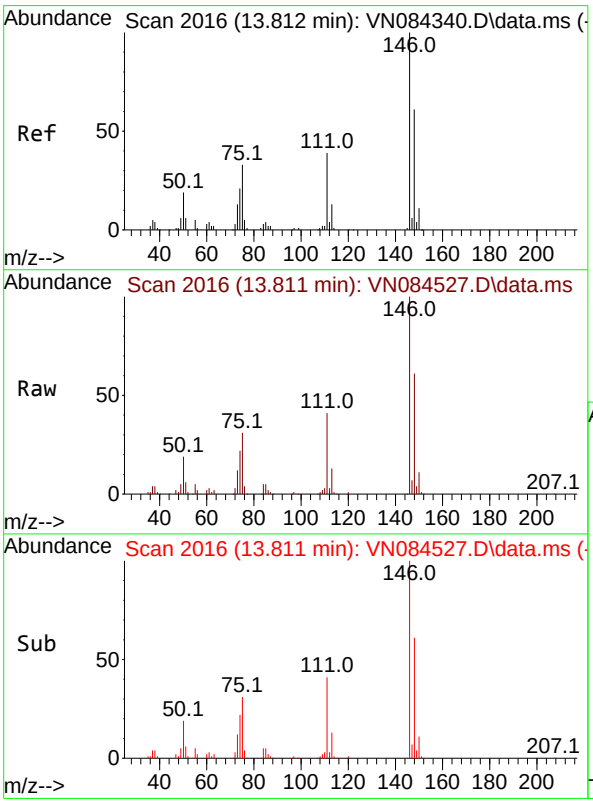
#83
1,3-Dichlorobenzene
Concen: 19.930 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 83699

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.9
148	62.9	31.6	94.7

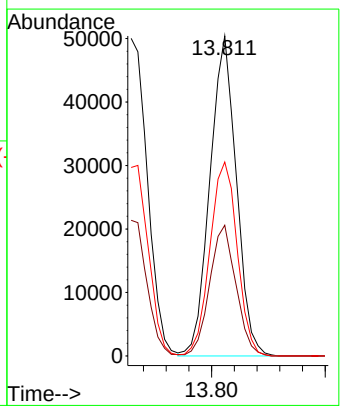


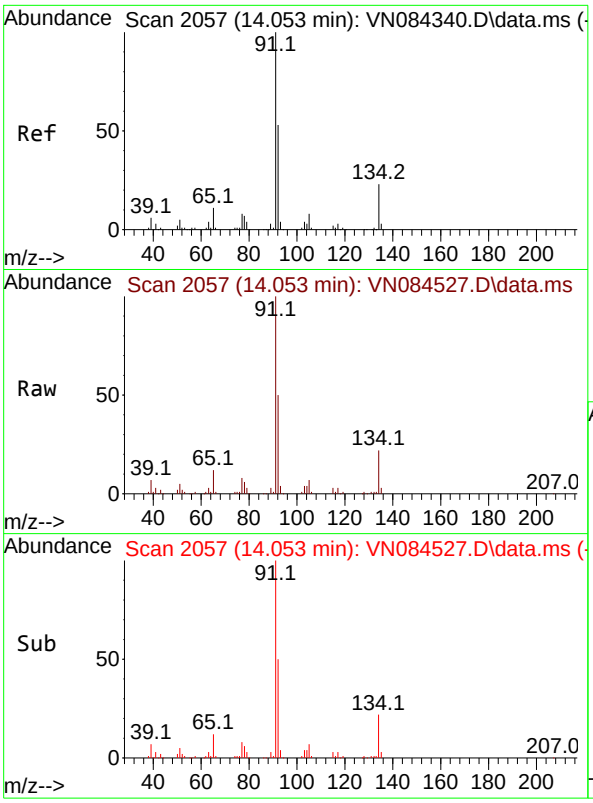


#84
1,4-Dichlorobenzene
Concen: 19.554 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:146 Resp: 81543

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	62.6	32.5	97.4



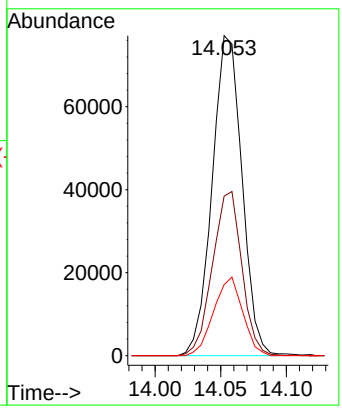


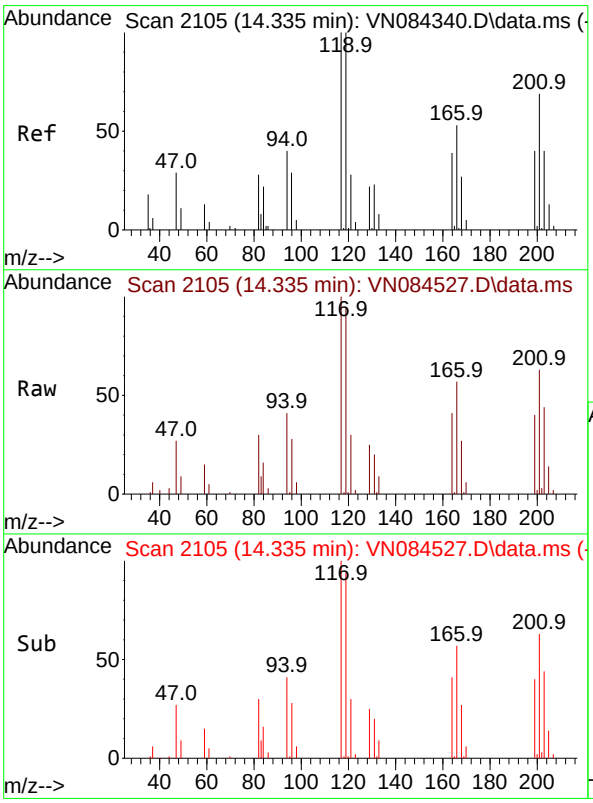
#85
n-Butylbenzene
Concen: 18.134 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 121924

Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	103.4
134	23.9	0.0	48.0

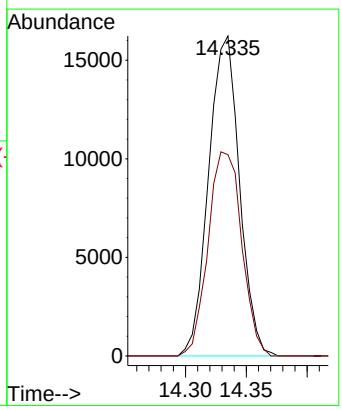


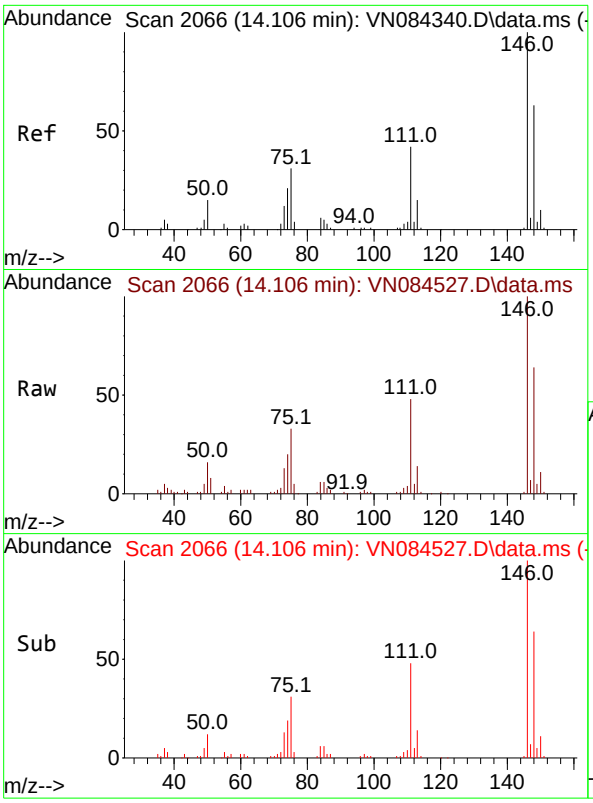


#86
Hexachloroethane
Concen: 19.155 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:117 Resp: 28649

Ion	Ratio	Lower	Upper
117	100		
201	69.3	33.9	101.6



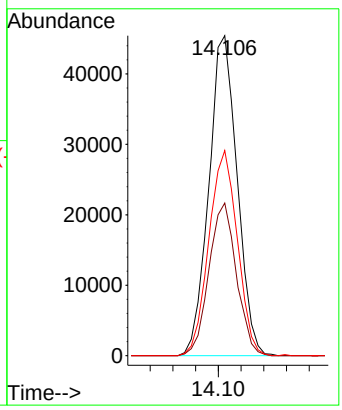


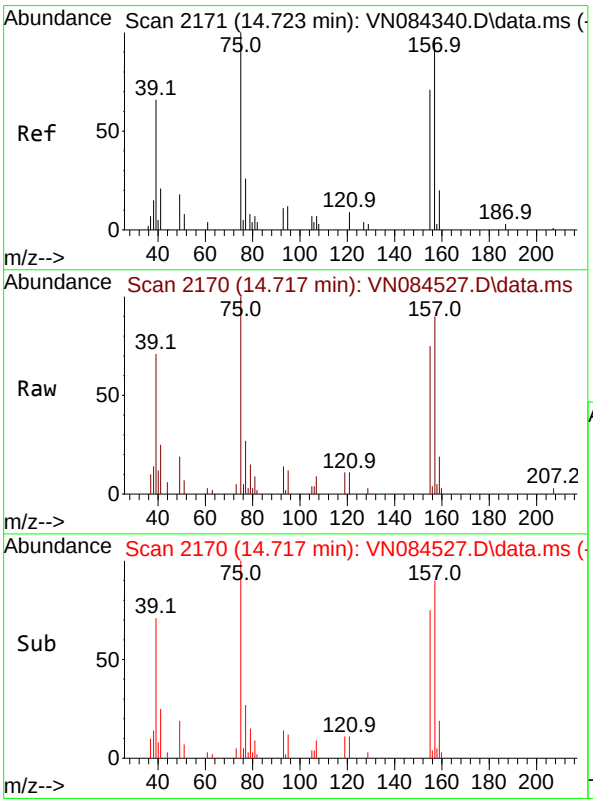
#87
1,2-Dichlorobenzene
Concen: 19.394 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 78746

Ion	Ratio	Lower	Upper
146	100		
111	46.2	21.9	65.5
148	64.4	31.1	93.5

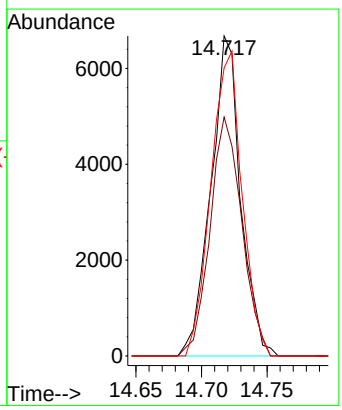


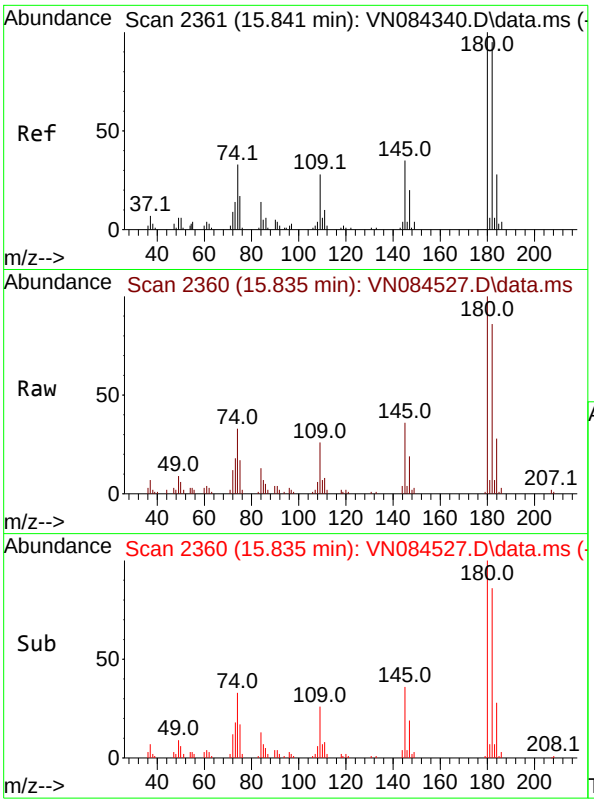


#88
1,2-Dibromo-3-Chloropropane
Concen: 17.925 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion: 75 Resp: 10575

Ion	Ratio	Lower	Upper
75	100		
155	79.4	61.8	92.8
157	99.5	77.4	116.0



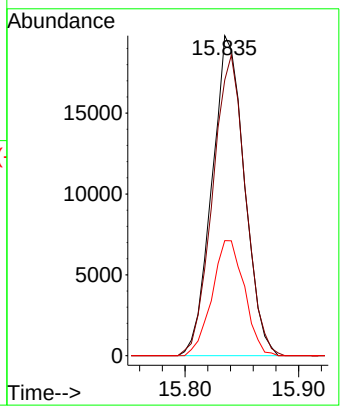


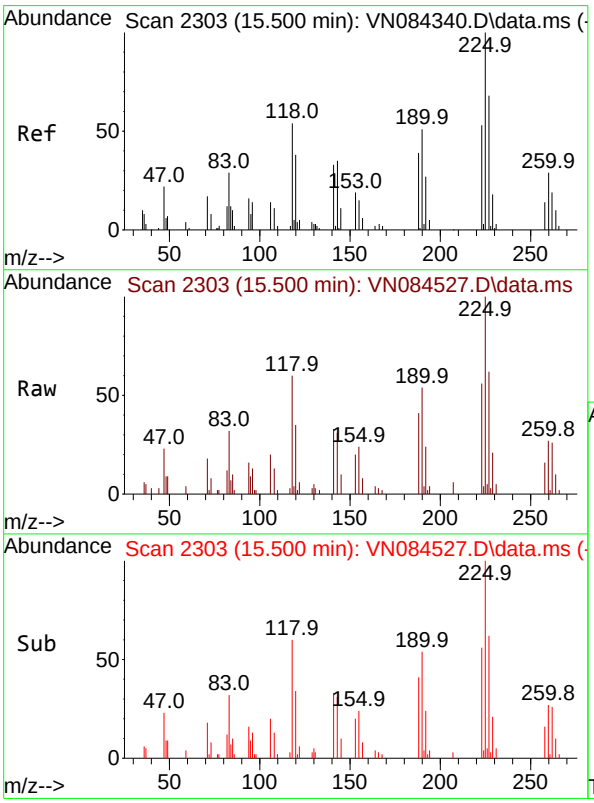
#89
1,2,4-Trichlorobenzene
Concen: 18.563 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:180 Resp: 39188

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.8	116.6
145	35.9	28.9	43.3

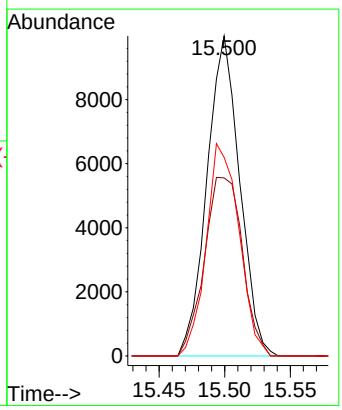


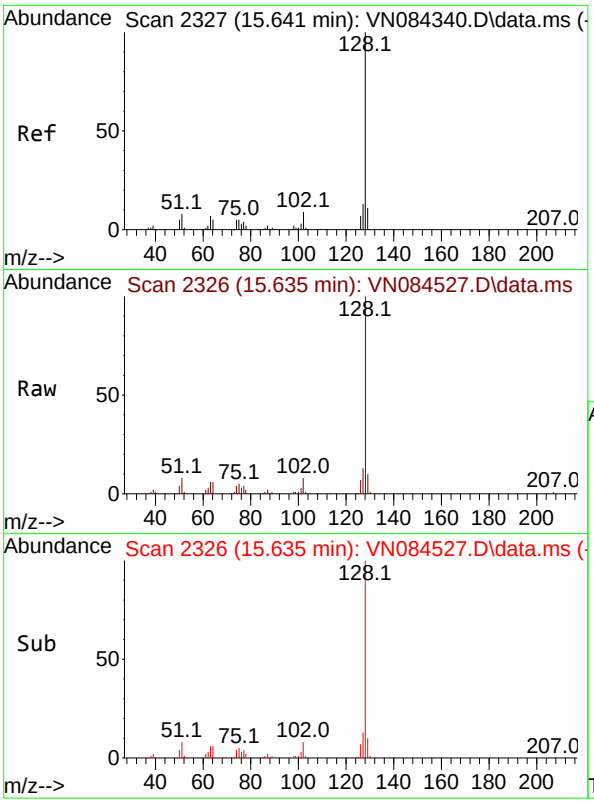


#90
Hexachlorobutadiene
Concen: 17.775 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:225 Resp: 17360

Ion	Ratio	Lower	Upper
225	100		
223	64.7	0.0	124.0
227	66.3	0.0	130.8



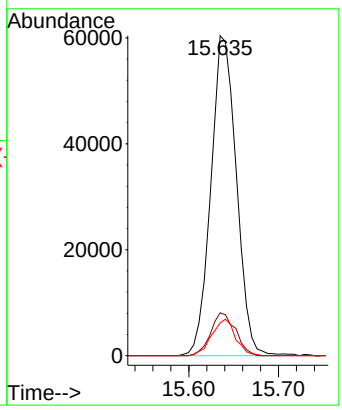


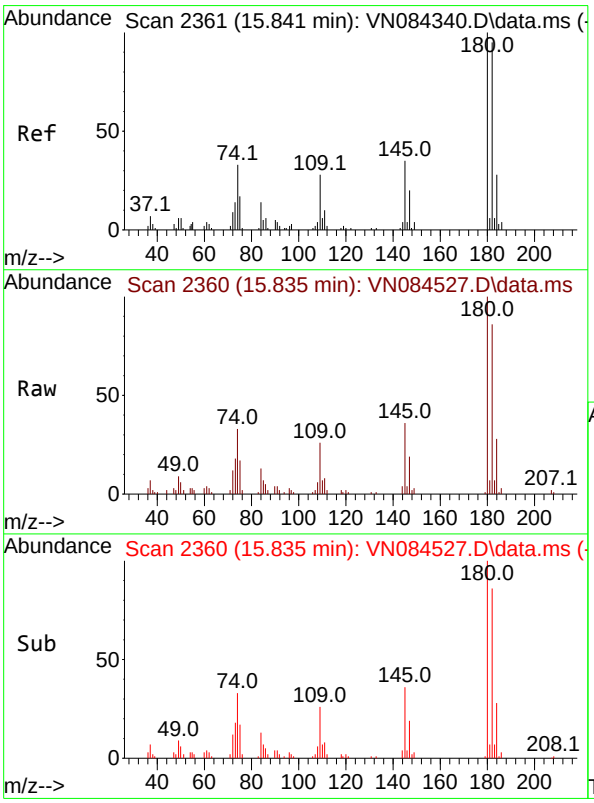
#91
Naphthalene
Concen: 16.671 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 119261

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.5	8.8	13.2





#92
1,2,3-Trichlorobenzene
Concen: 18.563 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084527.D
Acq: 25 Oct 2024 19:37

Tgt Ion:180 Resp: 39188

Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	194.4
145	35.9	0.0	72.2