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 : P4550

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4550

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4550-01	BP-VPB-190-TB-20241022
P4550-02	VPB190-HYD-20241023
P4550-03	BP-VPB-190-EB-20241023
P4550-04	BP-VPB-190-GW-298-300
P4550-05	BP-VPB-190-GW-318-320
P4550-06	BP-VPB-190-GW-338-340
P4550-07	BP-VPB-190-GW-338-340MS
P4550-08	BP-VPB-190-GW-338-340MSD
P4550-09	BP-VPB-190-GW-358-360
P4550-10	BP-VPB-190-GW-378-380
P4550-11	BP-VPB-190-GW-398-400
P4550-12	BP-VPB-190-GW-418-420

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 : N. N. Pandya

APPROVED
Nimisha Pandya QA/QC Supervisor Pandya , 11/6/2024, 11:59:05 AM

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 # P4550
Test Name: VOCMS Group1

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

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 Group1 was based on method 8260D.

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 MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike 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 File ID VN084503.D met the requirements except for Chloroethane and Chloromethane failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

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

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VIAL A and B combined to run sample # 12 as both having much sediment and not possible to run separately.

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 <15% 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 > 15% 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 N. N. Pandya

APPROVED
Nimisha Pandya QA/QC Supervisor Pandya , 11/6/2024, 11:59:16 AM

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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: P4550 MATRIX: Water

METHOD: 8260D

		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 File ID VN084503.D met the requirements except for Chloroethane and Chloromethane failing marginally low therefore no corrective action taken.			✓
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 MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The RPD met criteria . The Blank Spike met requirements for all samples ..			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

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

		NA	NO	YES
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

VIAL A and B combined to run sample # 12 as both having much sediment and not possible to run separately.

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

___ S. M. Jodhani _____
QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:30 am, Nov 06, 2024
Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4550

	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:** 11/05/2024

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LAB CHRONICLE

OrderID:	P4550	**OrderDate:**	10/24/2024 5:50:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K63,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4550-01	**BP-VPB-190-TB-20241022**	**Water**			**10/22/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	
P4550-02	**VPB190-HYD-20241023**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	
P4550-03	**BP-VPB-190-EB-20241023**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/25/24	
P4550-04	**BP-VPB-190-GW-298-300**	**Water**			**10/22/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/25/24	
P4550-05	**BP-VPB-190-GW-318-320**	**Water**			**10/22/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	
P4550-06	**BP-VPB-190-GW-338-340**	**Water**			**10/22/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	
P4550-09	**BP-VPB-190-GW-358-360**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	
P4550-10	**BP-VPB-190-GW-378-380**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	
P4550-11	**BP-VPB-190-GW-398-400**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/28/24	

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LAB CHRONICLE

P4550-12	**BP-VPB-190-GW-418-420**	**Water**		**10/24/24**		**10/24/24**
			VOCMS Group1	8260-Low	10/28/24	

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Hit Summary Sheet
SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-190-GW-318-320**								
P4550-05	BP-VPB-190-GW-3	Water	Acetone	3.80	J	1.40	3.80	5.00	ug/L
P4550-05	BP-VPB-190-GW-3	Water	Carbon Disulfide	1.70		0.32	0.75	1.00	ug/L
			Total Voc :	5.50					
			Total Concentration:	5.50					
Client ID:	**BP-VPB-190-GW-358-360**								
P4550-09	BP-VPB-190-GW-3	Water	Acetone	1.90	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					
Client ID:	**BP-VPB-190-GW-378-380**								
P4550-10	BP-VPB-190-GW-3	Water	Acetone	1.90	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.90					
			Total Concentration:	1.90					
Client ID:	**BP-VPB-190-GW-418-420**								
P4550-12	BP-VPB-190-GW-4	Water	Acetone	4.60	J	1.40	3.80	5.00	ug/L
			Total Voc :	4.60					
			Total Concentration:	4.60					

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4550-01	BP-VPB-190-TB-20241022	1,2-Dichloroethane-d4	50	48.8	98	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	46.0	92	85	114
P4550-02	VPB190-HYD-20241023	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114
P4550-03	BP-VPB-190-EB-20241023	1,2-Dichloroethane-d4	50	56.5	113	81	118
		Dibromofluoromethane	50	55.1	110	80	119
		Toluene-d8	50	48.1	96	89	112
		4-Bromofluorobenzene	50	43.5	87	85	114
P4550-04	BP-VPB-190-GW-298-300	1,2-Dichloroethane-d4	50	56.8	114	81	118
		Dibromofluoromethane	50	55.9	112	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	43.6	87	85	114
P4550-05	BP-VPB-190-GW-318-320	1,2-Dichloroethane-d4	50	49.8	100	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	46.0	92	85	114
P4550-06	BP-VPB-190-GW-338-340	1,2-Dichloroethane-d4	50	50.9	102	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	45.4	91	85	114
P4550-07MS	BP-VPB-190-GW-338-340MS	1,2-Dichloroethane-d4	50	50.2	100	81	118
		Dibromofluoromethane	50	54.6	109	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	55.3	111	85	114
P4550-08MSD	BP-VPB-190-GW-338-340MSD	1,2-Dichloroethane-d4	50	53.4	107	81	118
		Dibromofluoromethane	50	55.0	110	80	119
		Toluene-d8	50	53.6	107	89	112
		4-Bromofluorobenzene	50	57.0	114	85	114
P4550-09	BP-VPB-190-GW-358-360	1,2-Dichloroethane-d4	50	48.0	96	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	44.2	88	85	114
P4550-10	BP-VPB-190-GW-378-380	1,2-Dichloroethane-d4	50	49.2	98	81	118
		Dibromofluoromethane	50	51.8	104	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	45.1	90	85	114
P4550-11	BP-VPB-190-GW-398-400	1,2-Dichloroethane-d4	50	50.4	101	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	45.6	91	85	114
P4550-12	BP-VPB-190-GW-418-420	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	45.5	91	85	114
VN1025WBL02	VN1025WBL02	1,2-Dichloroethane-d4	50	52.2	104	81	118
		Dibromofluoromethane	50	51.4	103	80	119

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Surrogate Summary

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1025WBL02	VN1025WBL02	Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	43.0	86	85	114
VN1025WBS02	VN1025WBS02	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
VN1028WBL01	VN1028WBL01	1,2-Dichloroethane-d4	50	49.7	99	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	44.9	90	85	114
VN1028WBS01	VN1028WBS01	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	56.5	113	80	119
		Toluene-d8	50	53.9	108	89	112
		4-Bromofluorobenzene	50	56.4	113	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : P4550-07MS		**Client Sample ID : BP-VPB-190-GW-338-340MS**						**Datafile :** VN084540.D			
Chloromethane	50	0	44.5	ug/L	89				50	139	
Vinyl chloride	50	0	46.3	ug/L	93				58	137	
Bromomethane	50	0	43.2	ug/L	86				53	141	
Chloroethane	50	0	41.0	ug/L	82				60	138	
Trichlorofluoromethane	50	0	51.1	ug/L	102				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	51.3	ug/L	103				70	136	
1,1-Dichloroethene	50	0	49.7	ug/L	99				71	131	
Acetone	250	0	200	ug/L	80				39	160	
Carbon disulfide	50	0	42.1	ug/L	84				64	133	
Methyl tert-butyl Ether	50	0	51.3	ug/L	103				71	124	
Methylene Chloride	50	0	50.8	ug/L	102				74	124	
trans-1,2-Dichloroethene	50	0	50.8	ug/L	102				75	124	
1,1-Dichloroethane	50	0	52.3	ug/L	105				77	125	
2-Butanone	250	0	240	ug/L	96				56	143	
Carbon Tetrachloride	50	0	53.6	ug/L	107				72	136	
cis-1,2-Dichloroethene	50	0	51.5	ug/L	103				78	123	
Chloroform	50	0	52.8	ug/L	106				79	124	
1,1,1-Trichloroethane	50	0	52.2	ug/L	104				74	131	
Methylcyclohexane	50	0	49.2	ug/L	98				72	132	
Benzene	50	0	53.1	ug/L	106				79	120	
1,2-Dichloroethane	50	0	51.8	ug/L	104				73	128	
Trichloroethene	50	0	52.3	ug/L	105				79	123	
1,2-Dichloropropane	50	0	54.4	ug/L	109				78	122	
Bromodichloromethane	50	0	54.6	ug/L	109				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	53.7	ug/L	107				80	121	
t-1,3-Dichloropropene	50	0	53.7	ug/L	107				73	127	
cis-1,3-Dichloropropene	50	0	50.2	ug/L	100				75	124	
1,1,2-Trichloroethane	50	0	57.3	ug/L	115				80	119	
2-Hexanone	250	0	280	ug/L	112				57	139	
Dibromochloromethane	50	0	56.9	ug/L	114				74	126	
Tetrachloroethene	50	0	49.1	ug/L	98				74	129	
Chlorobenzene	50	0	50.8	ug/L	102				82	118	
Ethyl Benzene	50	0	51.5	ug/L	103				79	121	
m/p-Xylenes	100	0	110	ug/L	110				80	121	
o-Xylene	50	0	54.3	ug/L	109				78	122	
Styrene	50	0	55.3	ug/L	111				78	123	
Bromoform	50	0	57.5	ug/L	115				66	130	
Isopropylbenzene	50	0	47.8	ug/L	96				72	131	
1,1,2,2-Tetrachloroethane	50	0	50.4	ug/L	101				71	121	
1,3-Dichlorobenzene	50	0	48.6	ug/L	97				80	119	
1,4-Dichlorobenzene	50	0	47.2	ug/L	94				79	118	
1,2-Dichlorobenzene	50	0	47.5	ug/L	95				80	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : P4550-08MSD		**Client Sample ID : BP-VPB-190-GW-338-340MSD**						**Datafile :** VN084541.D			
Chloromethane	50	0	45.9	ug/L	92		3		50	139	20
Vinyl chloride	50	0	49.0	ug/L	98		6		58	137	20
Bromomethane	50	0	47.0	ug/L	94		8		53	141	20
Chloroethane	50	0	43.5	ug/L	87		6		60	138	20
Trichlorofluoromethane	50	0	53.2	ug/L	106		4		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	53.9	ug/L	108		5		70	136	20
1,1-Dichloroethene	50	0	53.0	ug/L	106		6		71	131	20
Acetone	250	0	210	ug/L	84		5		39	160	20
Carbon disulfide	50	0	43.8	ug/L	88		4		64	133	20
Methyl tert-butyl Ether	50	0	54.5	ug/L	109		6		71	124	20
Methylene Chloride	50	0	53.2	ug/L	106		5		74	124	20
trans-1,2-Dichloroethene	50	0	52.8	ug/L	106		4		75	124	20
1,1-Dichloroethane	50	0	54.7	ug/L	109		4		77	125	20
2-Butanone	250	0	250	ug/L	100		4		56	143	20
Carbon Tetrachloride	50	0	53.8	ug/L	108		0		72	136	20
cis-1,2-Dichloroethene	50	0	54.2	ug/L	108		5		78	123	20
Chloroform	50	0	55.2	ug/L	110		4		79	124	20
1,1,1-Trichloroethane	50	0	54.6	ug/L	109		4		74	131	20
Methylcyclohexane	50	0	50.0	ug/L	100		2		72	132	20
Benzene	50	0	53.2	ug/L	106		0		79	120	20
1,2-Dichloroethane	50	0	52.3	ug/L	105		1		73	128	20
Trichloroethene	50	0	51.6	ug/L	103		1		79	123	20
1,2-Dichloropropane	50	0	55.8	ug/L	112		3		78	122	20
Bromodichloromethane	50	0	54.7	ug/L	109		0		79	125	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		0		67	130	20
Toluene	50	0	54.7	ug/L	109		2		80	121	20
t-1,3-Dichloropropene	50	0	53.8	ug/L	108		0		73	127	20
cis-1,3-Dichloropropene	50	0	51.3	ug/L	103		2		75	124	20
1,1,2-Trichloroethane	50	0	57.1	ug/L	114		0		80	119	20
2-Hexanone	250	0	270	ug/L	108		4		57	139	20
Dibromochloromethane	50	0	57.8	ug/L	116		2		74	126	20
Tetrachloroethene	50	0	51.2	ug/L	102		4		74	129	20
Chlorobenzene	50	0	52.3	ug/L	105		3		82	118	20
Ethyl Benzene	50	0	53.8	ug/L	108		4		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		0		80	121	20
o-Xylene	50	0	56.0	ug/L	112		3		78	122	20
Styrene	50	0	58.1	ug/L	116		5		78	123	20
Bromoform	50	0	59.8	ug/L	120		4		66	130	20
Isopropylbenzene	50	0	50.4	ug/L	101		5		72	131	20
1,1,2,2-Tetrachloroethane	50	0	52.2	ug/L	104		4		71	121	20
1,3-Dichlorobenzene	50	0	50.2	ug/L	100		3		80	119	20
1,4-Dichlorobenzene	50	0	49.0	ug/L	98		4		79	118	20
1,2-Dichlorobenzene	50	0	49.6	ug/L	99		4		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084509.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1025WBS02	Chloromethane	20	15.2	ug/L	76			50	139	
	Vinyl chloride	20	16.2	ug/L	81			58	137	
	Bromomethane	20	16.2	ug/L	81			53	141	
	Chloroethane	20	15.4	ug/L	77			60	138	
	Trichlorofluoromethane	20	18.1	ug/L	91			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.0	ug/L	90			70	136	
	1,1-Dichloroethene	20	18.2	ug/L	91			71	131	
	Acetone	100	94.3	ug/L	94			39	160	
	Carbon disulfide	20	14.8	ug/L	74			64	133	
	Methyl tert-butyl Ether	20	19.2	ug/L	96			71	124	
	Methylene Chloride	20	18.3	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			75	124	
	1,1-Dichloroethane	20	19.2	ug/L	96			77	125	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			78	123	
	Chloroform	20	19.5	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	19.1	ug/L	96			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	19.8	ug/L	99			79	123	
	1,2-Dichloropropane	20	20.2	ug/L	101			78	122	
	Bromodichloromethane	20	20.0	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	19.1	ug/L	96			73	127	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	21.5	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.1	ug/L	106			74	126	
	Tetrachloroethene	20	18.8	ug/L	94			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	18.8	ug/L	94			79	121	
	m/p-Xylenes	40	39.6	ug/L	99			80	121	
	o-Xylene	20	19.9	ug/L	100			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	20.9	ug/L	104			66	130	
	Isopropylbenzene	20	17.8	ug/L	89			72	131	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100			71	121	
	1,3-Dichlorobenzene	20	18.5	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.4	ug/L	92			79	118	
	1,2-Dichlorobenzene	20	18.5	ug/L	93			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084532.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1028WBS01	Chloromethane	20	18.3	ug/L	92			50	139	
	Vinyl chloride	20	18.6	ug/L	93			58	137	
	Bromomethane	20	18.8	ug/L	94			53	141	
	Chloroethane	20	16.8	ug/L	84			60	138	
	Trichlorofluoromethane	20	20.4	ug/L	102			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			70	136	
	1,1-Dichloroethene	20	19.9	ug/L	100			71	131	
	Acetone	100	98.9	ug/L	99			39	160	
	Carbon disulfide	20	16.7	ug/L	84			64	133	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			71	124	
	Methylene Chloride	20	20.7	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	124	
	1,1-Dichloroethane	20	20.8	ug/L	104			77	125	
	2-Butanone	100	98.1	ug/L	98			56	143	
	Carbon Tetrachloride	20	21.1	ug/L	106			72	136	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			78	123	
	Chloroform	20	21.3	ug/L	106			79	124	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			74	131	
	Methylcyclohexane	20	19.0	ug/L	95			72	132	
	Benzene	20	21.5	ug/L	108			79	120	
	1,2-Dichloroethane	20	21.4	ug/L	107			73	128	
	Trichloroethene	20	21.0	ug/L	105			79	123	
	1,2-Dichloropropane	20	22.3	ug/L	112			78	122	
	Bromodichloromethane	20	21.7	ug/L	109			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	21.7	ug/L	109			80	121	
	t-1,3-Dichloropropene	20	20.7	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	22.5	ug/L	113			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.4	ug/L	112			74	126	
	Tetrachloroethene	20	21.8	ug/L	109			74	129	
	Chlorobenzene	20	20.7	ug/L	104			82	118	
	Ethyl Benzene	20	20.1	ug/L	101			79	121	
	m/p-Xylenes	40	42.2	ug/L	106			80	121	
	o-Xylene	20	21.0	ug/L	105			78	122	
	Styrene	20	21.4	ug/L	107			78	123	
	Bromoform	20	22.1	ug/L	111			66	130	
	Isopropylbenzene	20	18.9	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			71	121	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			79	118	
	1,2-Dichlorobenzene	20	19.5	ug/L	98			80	119	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1025WBL02

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084508.D Lab Sample ID: VN1025WBL02

Date Analyzed: 10/25/2024 Time Analyzed: 11:51

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
VN1025WBS02	VN1025WBS02	VN084509.D	10/25/2024
BP-VPB-190-EB-20241023	P4550-03	VN084523.D	10/25/2024
BP-VPB-190-GW-298-300	P4550-04	VN084524.D	10/25/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1028WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084531.D Lab Sample ID: VN1028WBL01

Date Analyzed: 10/28/2024 Time Analyzed: 11:42

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
VN1028WBS01	VN1028WBS01	VN084532.D	10/28/2024
BP-VPB-190-GW-358-360	P4550-09	VN084535.D	10/28/2024
BP-VPB-190-GW-378-380	P4550-10	VN084536.D	10/28/2024
BP-VPB-190-GW-398-400	P4550-11	VN084537.D	10/28/2024
BP-VPB-190-GW-418-420	P4550-12	VN084538.D	10/28/2024
BP-VPB-190-GW-338-340	P4550-06	VN084539.D	10/28/2024
BP-VPB-190-GW-338-340MS	P4550-07MS	VN084540.D	10/28/2024
BP-VPB-190-GW-338-340MSD	P4550-08MSD	VN084541.D	10/28/2024
BP-VPB-190-TB-20241022	P4550-01	VN084543.D	10/28/2024
VPB190-HYD-20241023	P4550-02	VN084544.D	10/28/2024
BP-VPB-190-GW-318-320	P4550-05	VN084545.D	10/28/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084211.D BFB Injection Date: 09/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:24

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	19.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	69.7 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084213.D	09/30/2024	12:25
VSTDICCC050	VSTDICCC050	VN084214.D	09/30/2024	12:49
VSTDICC020	VSTDICC020	VN084215.D	09/30/2024	13:13
VSTDICC010	VSTDICC010	VN084216.D	09/30/2024	13:37
VSTDICC005	VSTDICC005	VN084217.D	09/30/2024	14:00
VSTDICC001	VSTDICC001	VN084218.D	09/30/2024	14:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

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
VSTDCCC050	VSTDCCC050	VN084503.D	10/25/2024	08:59
VN1025WBL02	VN1025WBL02	VN084508.D	10/25/2024	11:51
VN1025WBS02	VN1025WBS02	VN084509.D	10/25/2024	12:27
BP-VPB-190-EB-20241023	P4550-03	VN084523.D	10/25/2024	18:02
BP-VPB-190-GW-298-300	P4550-04	VN084524.D	10/25/2024	18:26
VSTDCCC050EC	VSTDCCC050	VN084526.D	10/25/2024	19:13

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084528.D BFB Injection Date: 10/28/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:18

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	17.5
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.3 (1.7) 1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	72.6 (95.1) 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
VSTDCCC050	VSTDCCC050	VN084529.D	10/28/2024	10:05
VN1028WBL01	VN1028WBL01	VN084531.D	10/28/2024	11:42
VN1028WBS01	VN1028WBS01	VN084532.D	10/28/2024	12:18
BP-VPB-190-GW-358-360	P4550-09	VN084535.D	10/28/2024	13:30
BP-VPB-190-GW-378-380	P4550-10	VN084536.D	10/28/2024	13:53
BP-VPB-190-GW-398-400	P4550-11	VN084537.D	10/28/2024	14:17
BP-VPB-190-GW-418-420	P4550-12	VN084538.D	10/28/2024	14:41
BP-VPB-190-GW-338-340	P4550-06	VN084539.D	10/28/2024	15:05
BP-VPB-190-GW-338-340MS	P4550-07MS	VN084540.D	10/28/2024	15:29
BP-VPB-190-GW-338-340MSD	P4550-08MSD	VN084541.D	10/28/2024	15:53
BP-VPB-190-TB-20241022	P4550-01	VN084543.D	10/28/2024	16:41
VPB190-HYD-20241023	P4550-02	VN084544.D	10/28/2024	17:05
BP-VPB-190-GW-318-320	P4550-05	VN084545.D	10/28/2024	17:29
VSTDCCC050EC	VSTDCCC050	VN084550.D	10/28/2024	21:02

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084503.D Date Analyzed: 10/25/2024

Instrument ID: MSVOA_N Time Analyzed: 08:59

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	182036	8.22	306519	9.10	274612	11.87
UPPER LIMIT	364072	8.724	613038	9.6	549224	12.365
LOWER LIMIT	91018	7.724	153260	8.6	137306	11.365
EPA SAMPLE NO.						
BP-VPB-190-EB-20241023	130309	8.22	242378	9.10	210611	11.87
BP-VPB-190-GW-298-300	129311	8.22	239210	9.10	205331	11.87
VN1025WBL02	159284	8.22	289382	9.10	249149	11.87
VN1025WBS02	171552	8.22	293994	9.10	259694	11.87

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

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

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

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084503.D Date Analyzed: 10/25/2024

Instrument ID: MSVOA_N Time Analyzed: 08:59

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

	IS4 AREA #	RT #				
12 HOUR STD	138591	13.788				
UPPER LIMIT	277182	14.288				
LOWER LIMIT	69295.5	13.288				
EPA SAMPLE NO.						
BP-VPB-190-EB-20241023	83821	13.79				
BP-VPB-190-GW-298-300	82305	13.79				
VN1025WBL02	102517	13.79				
VN1025WBS02	130520	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084529.D Date Analyzed: 10/28/2024

Instrument ID: MSVOA_N Time Analyzed: 10:05

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	166557	8.22	279237	9.10	255910	11.87
UPPER LIMIT	333114	8.724	558474	9.6	511820	12.365
LOWER LIMIT	83278.5	7.724	139619	8.6	127955	11.365
EPA SAMPLE NO.						
BP-VPB-190-TB-20241022	160667	8.22	278018	9.10	241263	11.87
VPB190-HYD-20241023	162703	8.22	283801	9.10	245056	11.86
BP-VPB-190-GW-318-320	161796	8.22	284018	9.10	249132	11.87
BP-VPB-190-GW-338-340	150803	8.22	267490	9.10	231312	11.87
BP-VPB-190-GW-338-340MS	159466	8.22	270686	9.10	249070	11.87
BP-VPB-190-GW-338-340MSD	154539	8.22	270823	9.10	242254	11.87
BP-VPB-190-GW-358-360	173665	8.22	300123	9.10	253646	11.87
BP-VPB-190-GW-378-380	162900	8.22	286048	9.10	248436	11.87
BP-VPB-190-GW-398-400	161144	8.22	287581	9.10	247681	11.87
BP-VPB-190-GW-418-420	158931	8.22	275224	9.10	239281	11.87
VN1028WBL01	165769	8.22	293503	9.10	253666	11.87
VN1028WBS01	157919	8.22	266847	9.10	239542	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: VN084529.D Date Analyzed: 10/28/2024

Instrument ID: MSVOA_N Time Analyzed: 10:05

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

	IS4 AREA #	RT #				
12 HOUR STD	127505	13.788				
UPPER LIMIT	255010	14.288				
LOWER LIMIT	63752.5	13.288				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241022	93439	13.79				
VPB190-HYD-20241023	101775	13.79				
BP-VPB-190-GW-318-320	99614	13.79				
BP-VPB-190-GW-338-340	94475	13.79				
BP-VPB-190-GW-338-340MS	129633	13.79				
BP-VPB-190-GW-338-340MSD	124264	13.79				
BP-VPB-190-GW-358-360	101148	13.79				
BP-VPB-190-GW-378-380	100597	13.79				
BP-VPB-190-GW-398-400	98638	13.79				
BP-VPB-190-GW-418-420	94178	13.79				
VN1028WBL01	101609	13.79				
VN1028WBS01	120806	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-TB-20241022	SDG No.:	P4550
Lab Sample ID:	P4550-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084543.D	1		10/28/24 16:41	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-TB-20241022	SDG No.:	P4550
Lab Sample ID:	P4550-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084543.D	1		10/28/24 16:41	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	161000	8.224				
540-36-3	1,4-Difluorobenzene	278000	9.1				
3114-55-4	Chlorobenzene-d5	241000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	93400	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-TB-20241022	SDG No.:	P4550
Lab Sample ID:	P4550-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084543.D	1		10/28/24 16:41	VN102824

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

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\VN102824\
Data File : VN084543.D
Acq On : 28 Oct 2024 16:41
Operator : JC\MD
Sample : P4550-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Quant Time: Oct 28 18:35:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

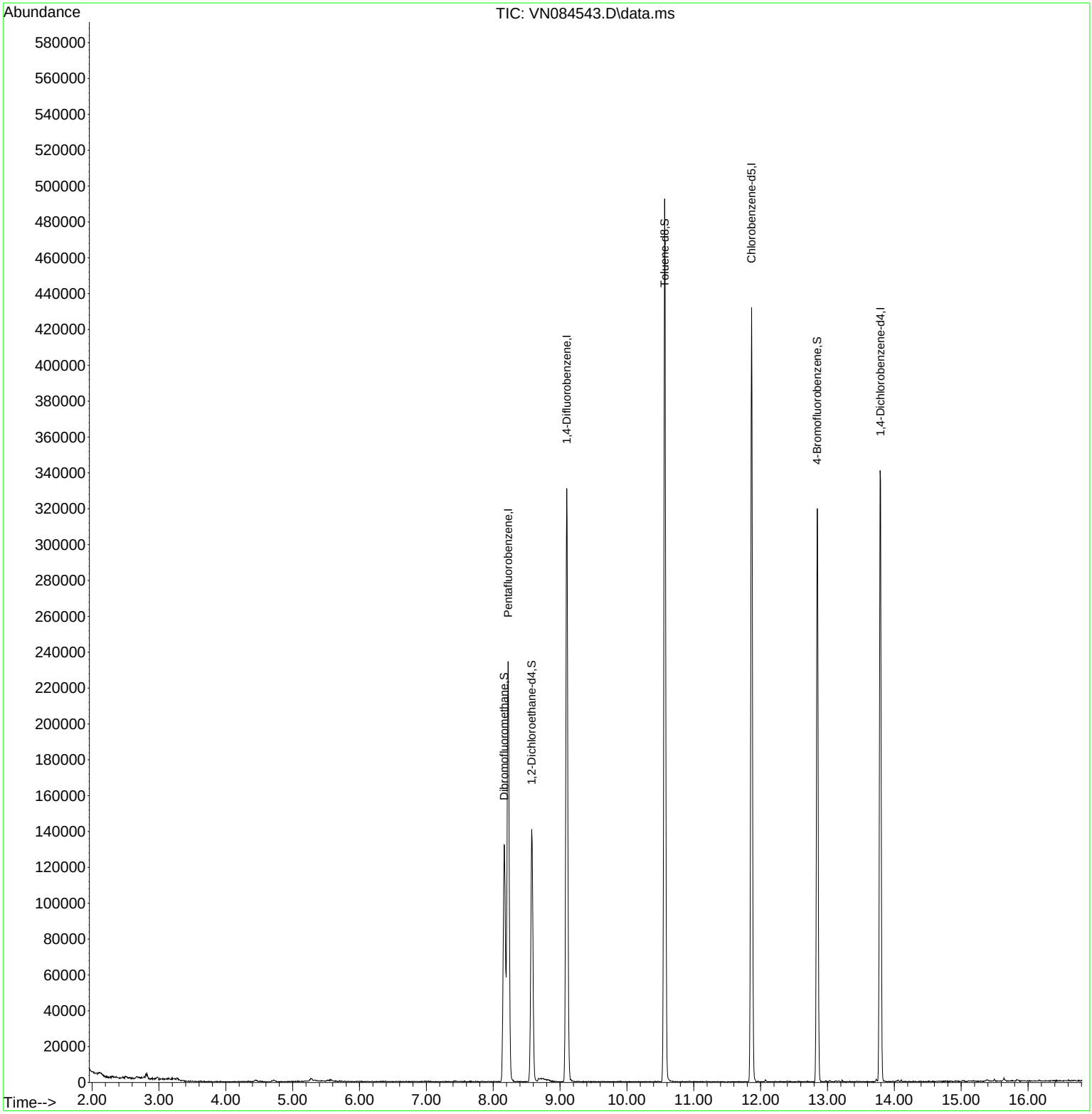
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116169	48.766	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.540%			
35) Dibromofluoromethane	8.165	113	96449	52.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	10.565	98	336854	49.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.847	95	112885	45.951	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.900%			
Target Compounds						Qvalue

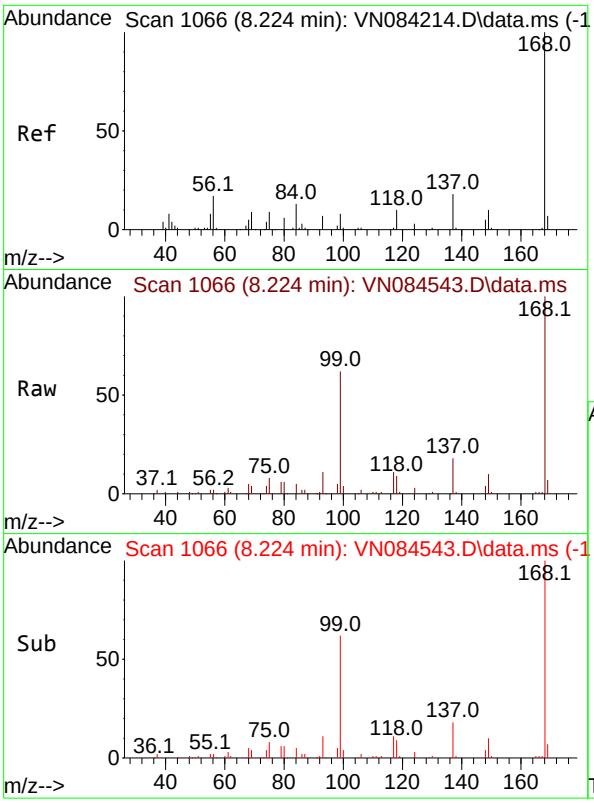
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084543.D
Acq On : 28 Oct 2024 16:41
Operator : JC\MD
Sample : P4550-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Quant Time: Oct 28 18:35:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



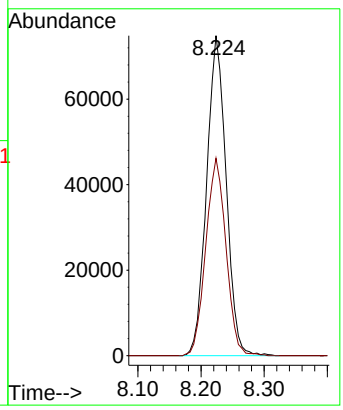


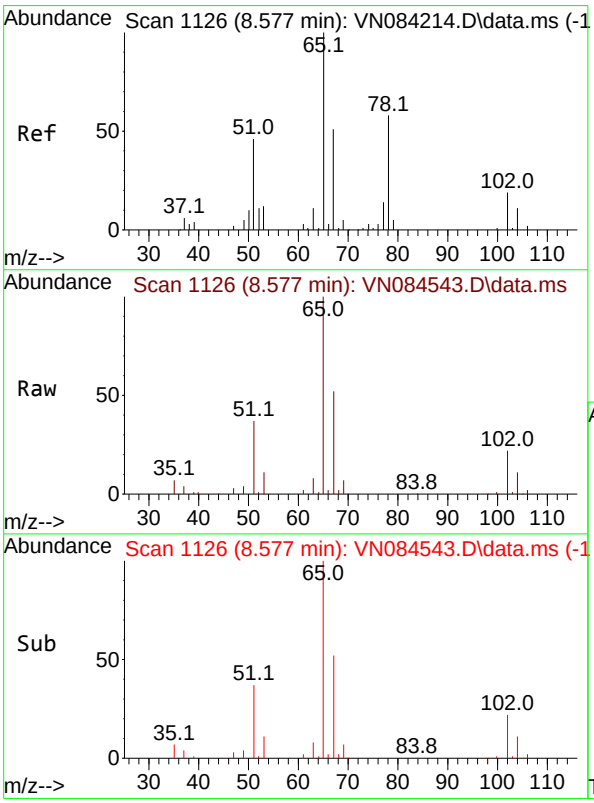
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Tgt Ion:168 Resp: 160667

Ion	Ratio	Lower	Upper
168	100		
99	61.7	54.2	81.2

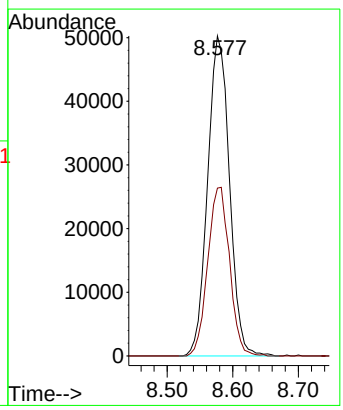


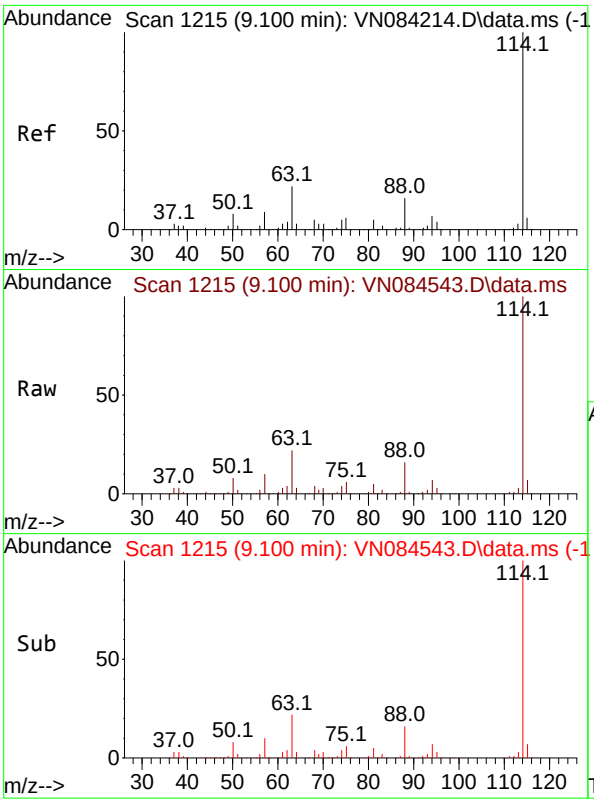


#33
1,2-Dichloroethane-d4
Concen: 48.766 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Tgt Ion: 65 Resp: 116169

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0



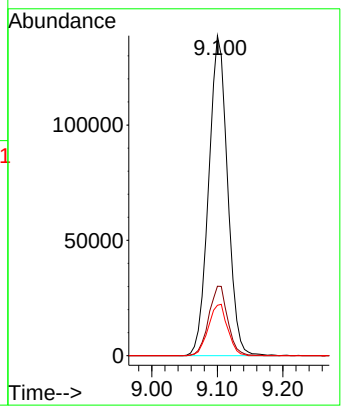


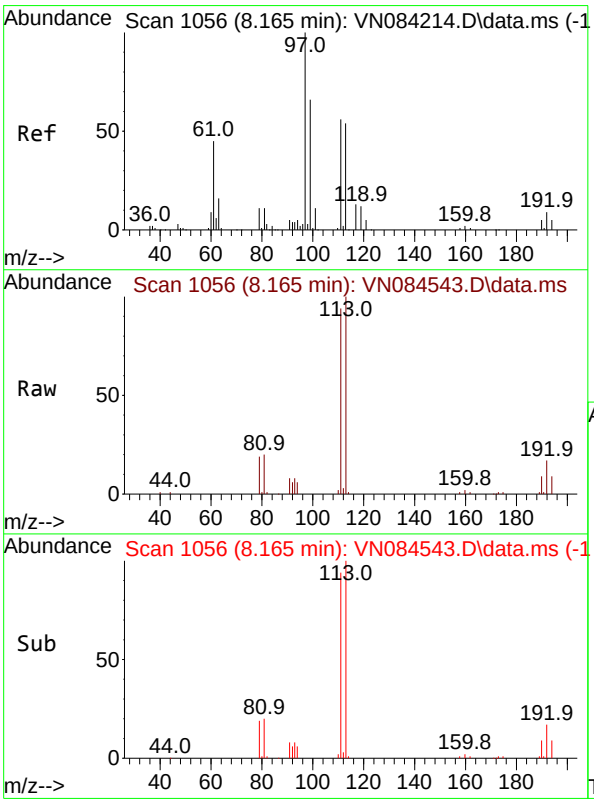
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Tgt Ion:114 Resp: 278018

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	15.8	0.0	31.6

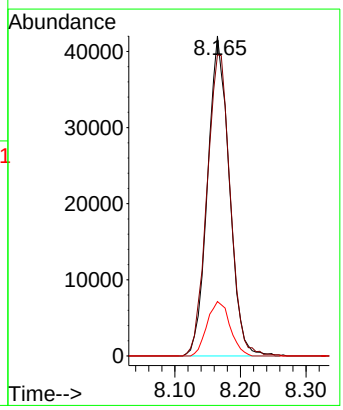


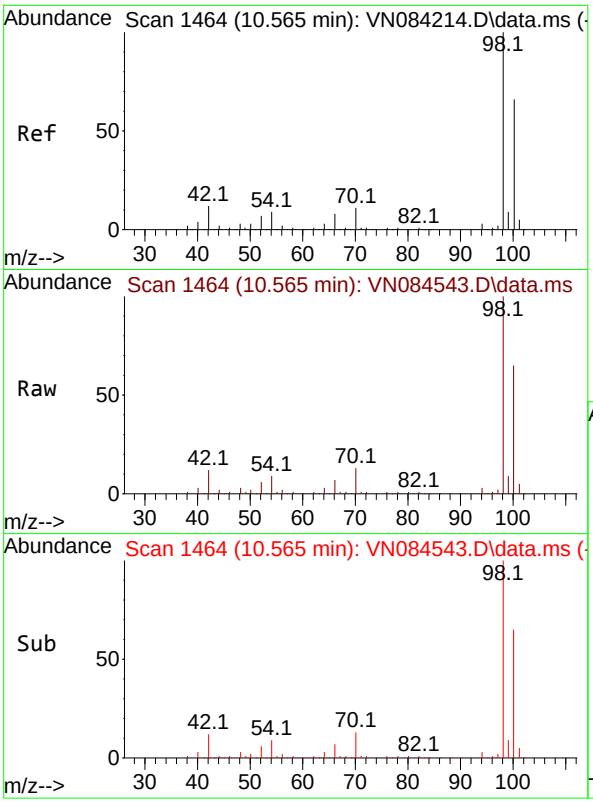


#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Tgt Ion:113 Resp: 96449

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.3	124.9
192	18.0	13.5	20.3



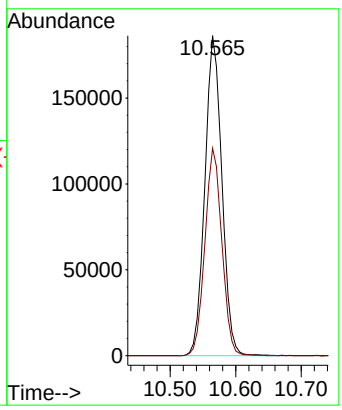


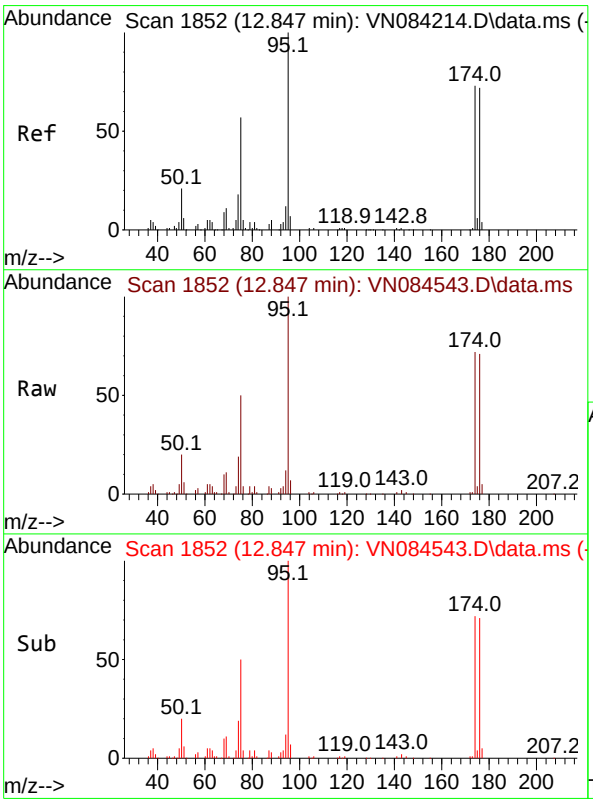
#50
Toluene-d8
Concen: 49.954 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Tgt Ion: 98 Resp: 336854

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

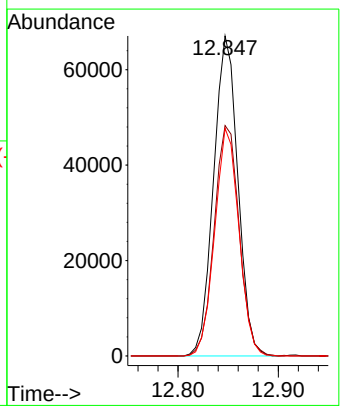


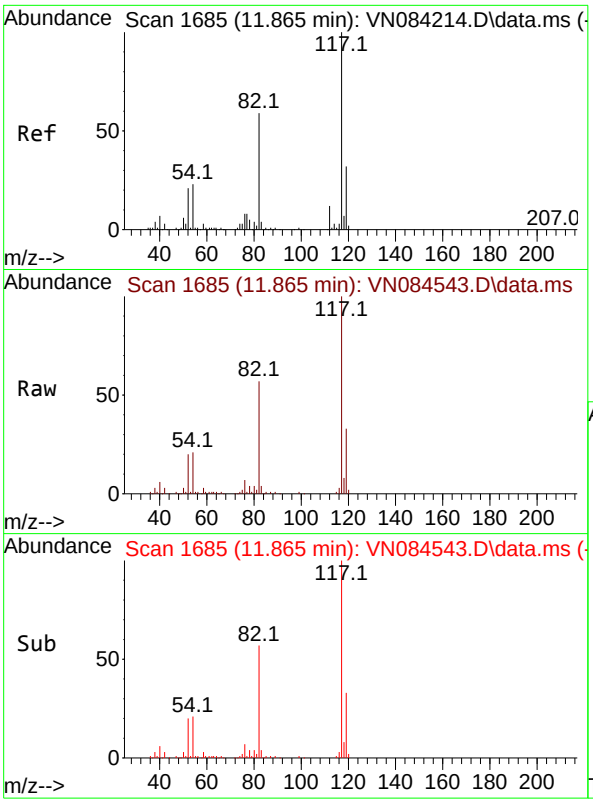


#62
4-Bromofluorobenzene
Concen: 45.951 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Tgt Ion: 95 Resp: 112885

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	71.0	0.0	140.0



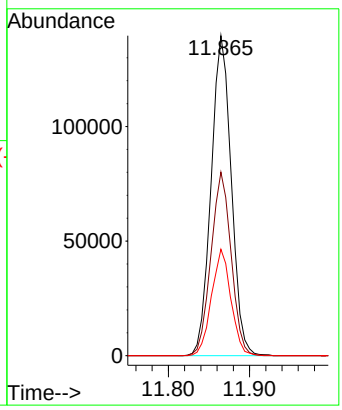


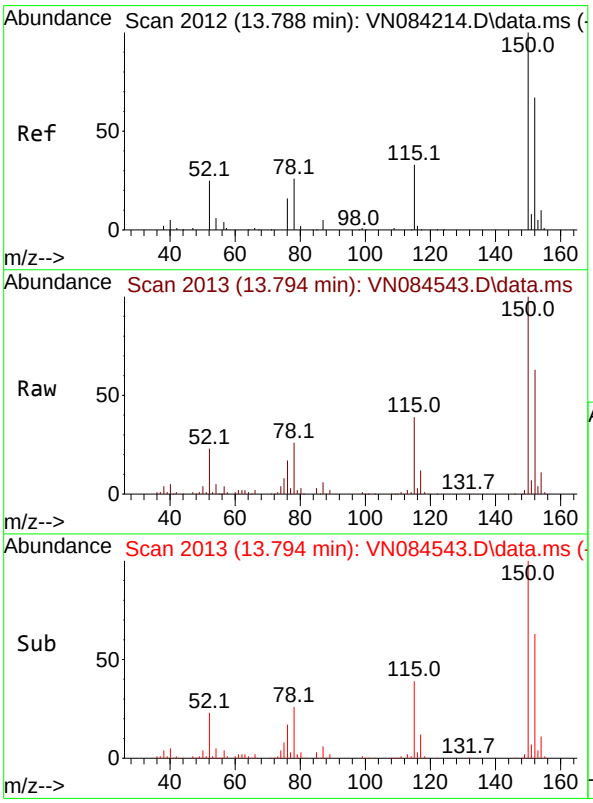
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Tgt Ion:117 Resp: 241263

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	33.2	25.4	38.0

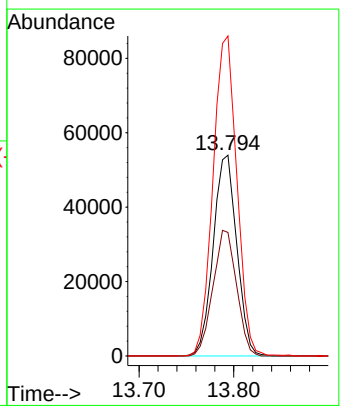




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084543.D
Acq: 28 Oct 2024 16:41

Tgt Ion:152 Resp: 93439

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	161.3	0.0	349.8



Sample Results: **VN084543.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084543.D
Acq On : 28 Oct 2024 16:41
Operator : JC\MD
Sample : P4550-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084543.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1061	rBV	132334	317665	35.51%	6.939%
2	8.224	1061	1066	1078	rVB	233866	499268	55.81%	10.906%
3	8.577	1117	1126	1141	rBV	140713	316972	35.43%	6.924%
4	9.100	1206	1215	1224	rBV	330935	666320	74.49%	14.555%
5	10.565	1456	1464	1478	rBV	492483	894561	100.00%	19.540%
6	11.865	1677	1685	1696	rVB	432130	750831	83.93%	16.401%
7	12.847	1845	1852	1861	rBV	320144	542495	60.64%	11.850%
8	13.788	2005	2012	2021	rVB	340667	589920	65.95%	12.886%

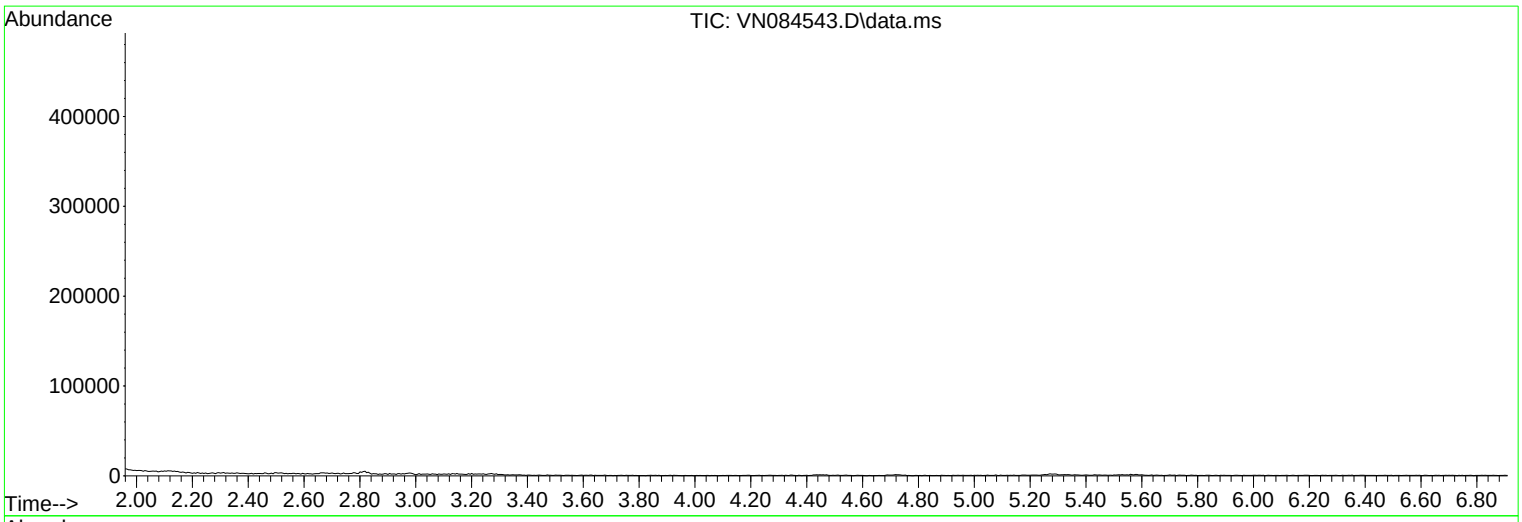
Sum of corrected areas: 4578032

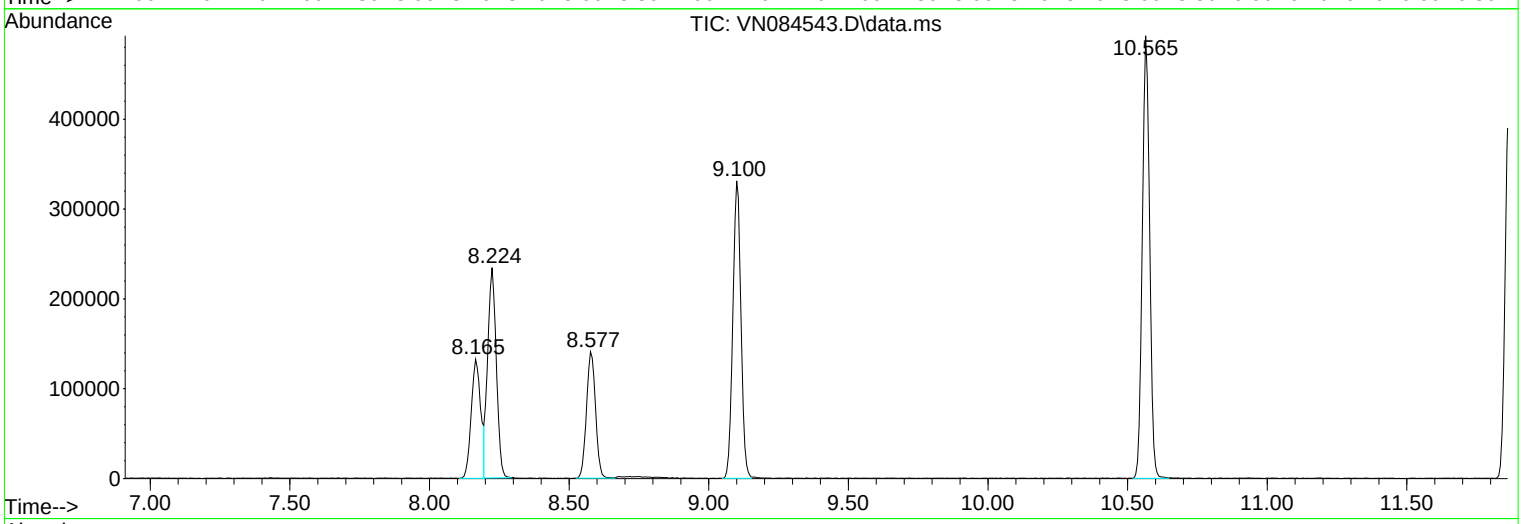
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084543.D
Acq On : 28 Oct 2024 16:41
Operator : JC\MD
Sample : P4550-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

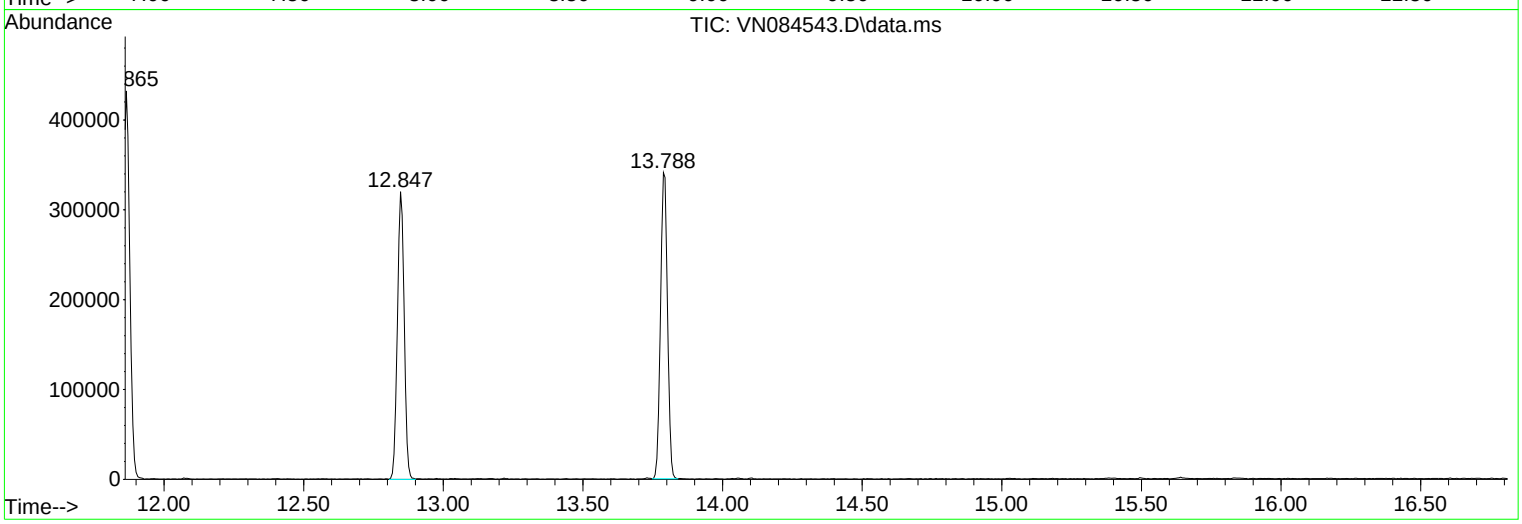
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084543.D
Acq On : 28 Oct 2024 16:41
Operator : JC\MD
Sample : P4550-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084543.D
Acq On : 28 Oct 2024 16:41
Operator : JC\MD
Sample : P4550-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	VPB190-HYD-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084544.D	1		10/28/24 17:05	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	VPB190-HYD-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084544.D	1		10/28/24 17:05	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	284000	9.1				
3114-55-4	Chlorobenzene-d5	245000	11.864				
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	VPB190-HYD-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084544.D	1		10/28/24 17:05	VN102824

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

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\VN102824\
Data File : VN084544.D
Acq On : 28 Oct 2024 17:05
Operator : JC\MD
Sample : P4550-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Quant Time: Oct 28 18:35:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	245056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	120566	49.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.960%			
35) Dibromofluoromethane	8.165	113	95755	51.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	10.565	98	334228	48.554	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.100%			
62) 4-Bromofluorobenzene	12.847	95	117140	46.711	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.420%			

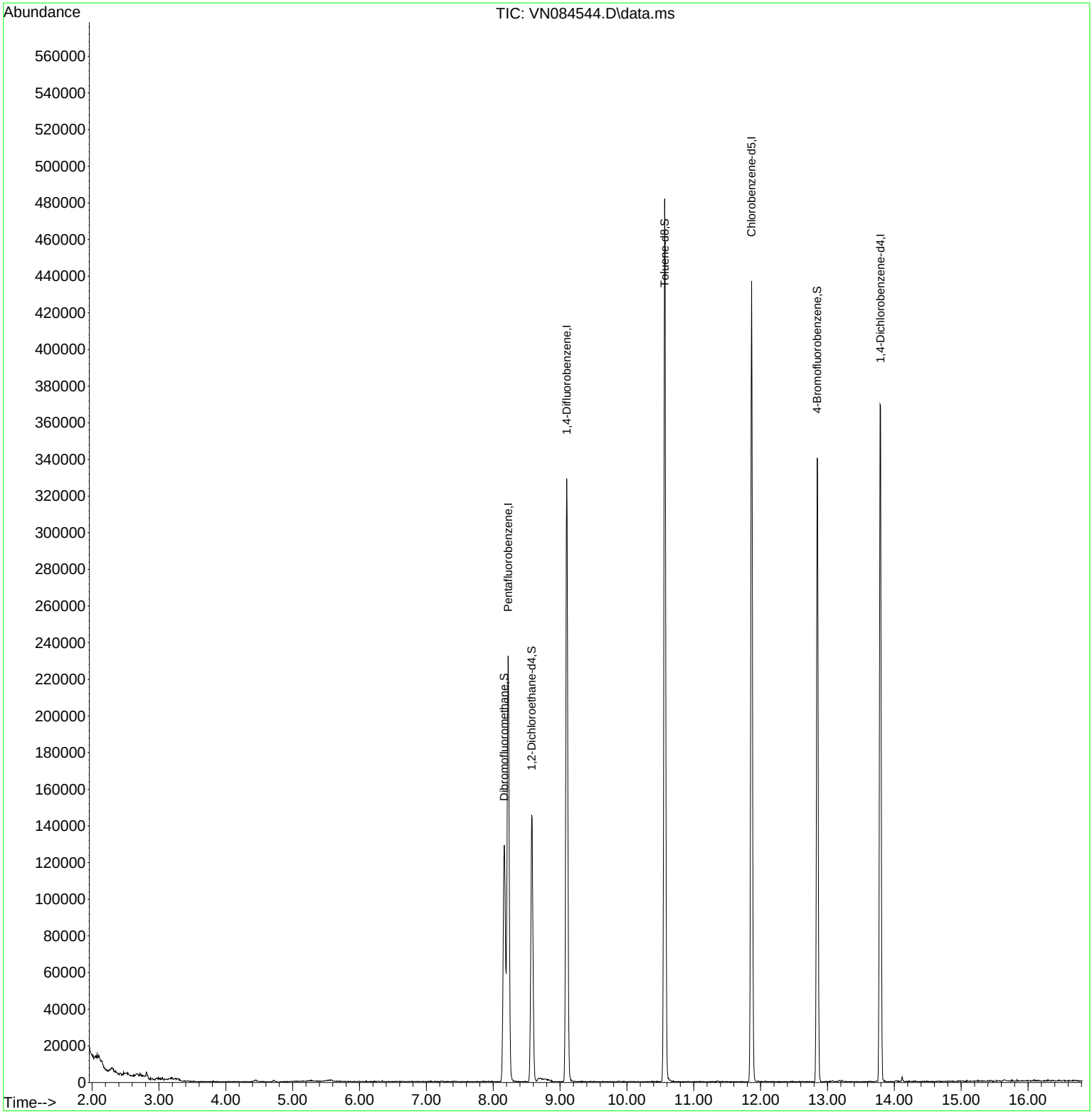
Target Compounds Qvalue

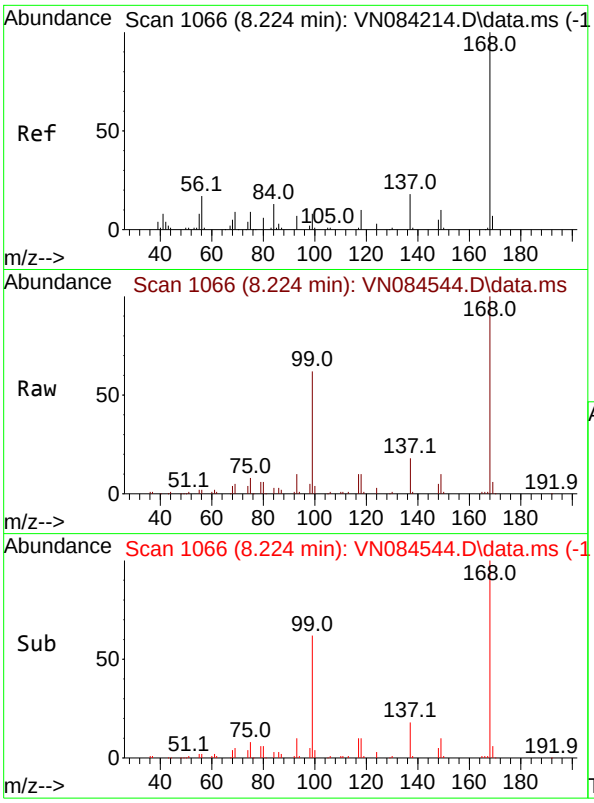
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084544.D
Acq On : 28 Oct 2024 17:05
Operator : JC\MD
Sample : P4550-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Quant Time: Oct 28 18:35:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



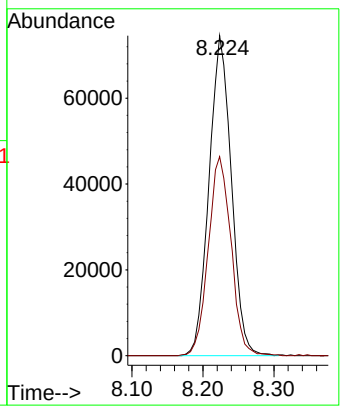


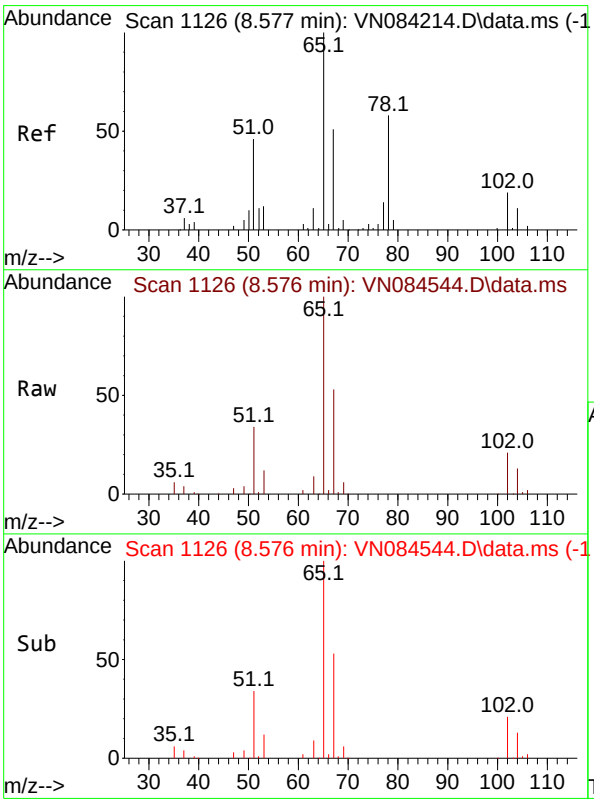
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Tgt Ion:168 Resp: 162703

Ion	Ratio	Lower	Upper
168	100		
99	62.2	54.2	81.2

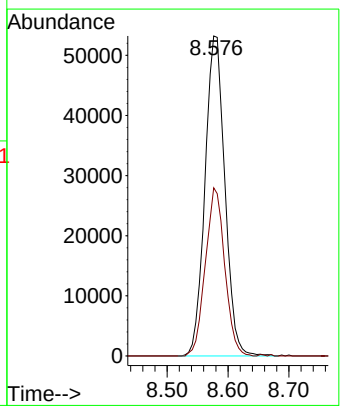


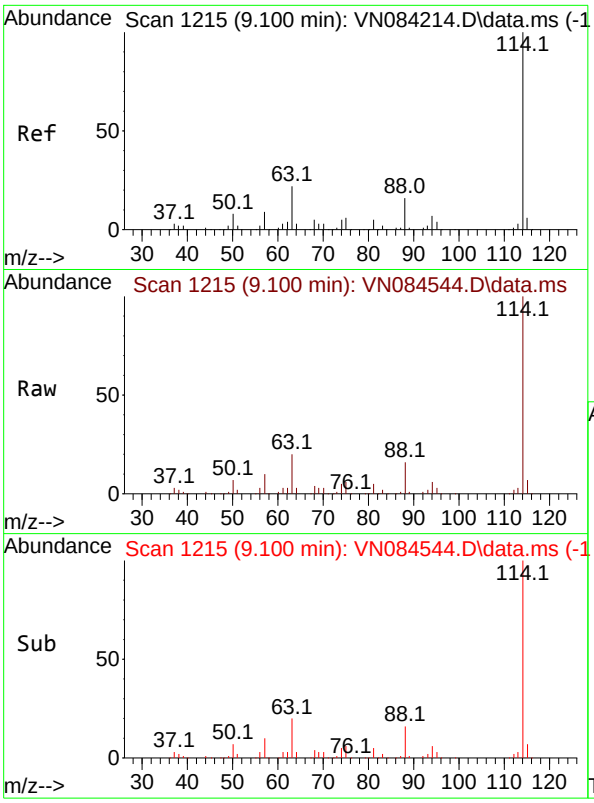


#33
1,2-Dichloroethane-d4
Concen: 49.978 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Tgt Ion: 65 Resp: 120566

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.0



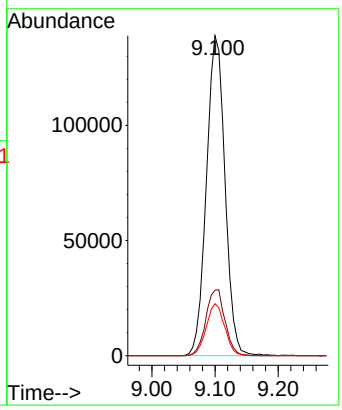


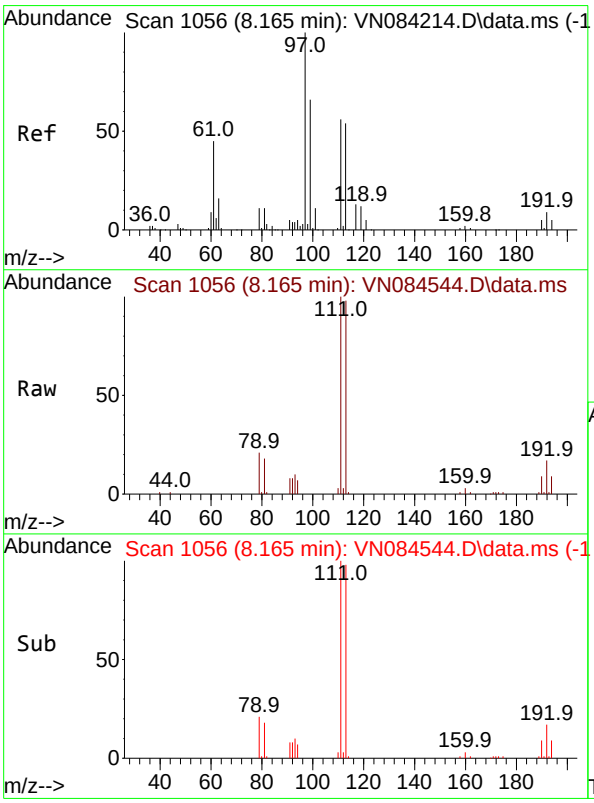
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Tgt Ion:114 Resp: 283801

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	16.2	0.0	31.6

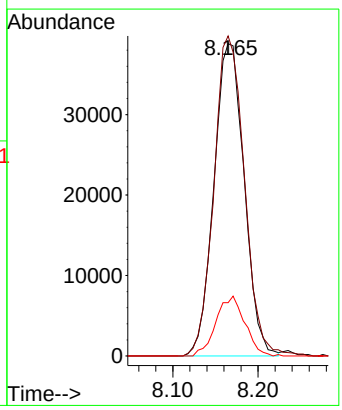


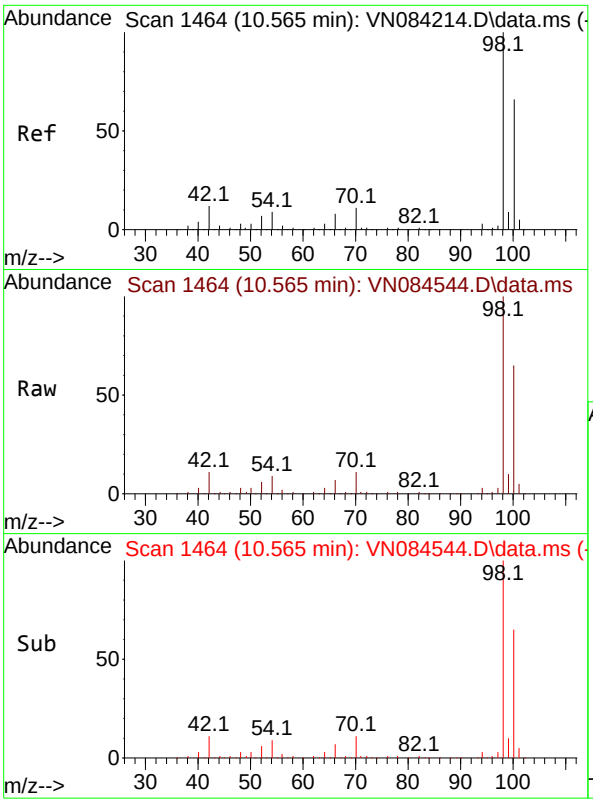


#35
Dibromofluoromethane
Concen: 51.179 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Tgt Ion:113 Resp: 95755

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.3	13.5	20.3



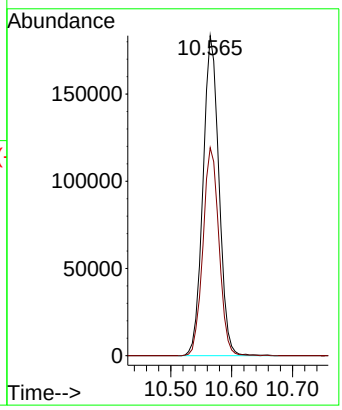


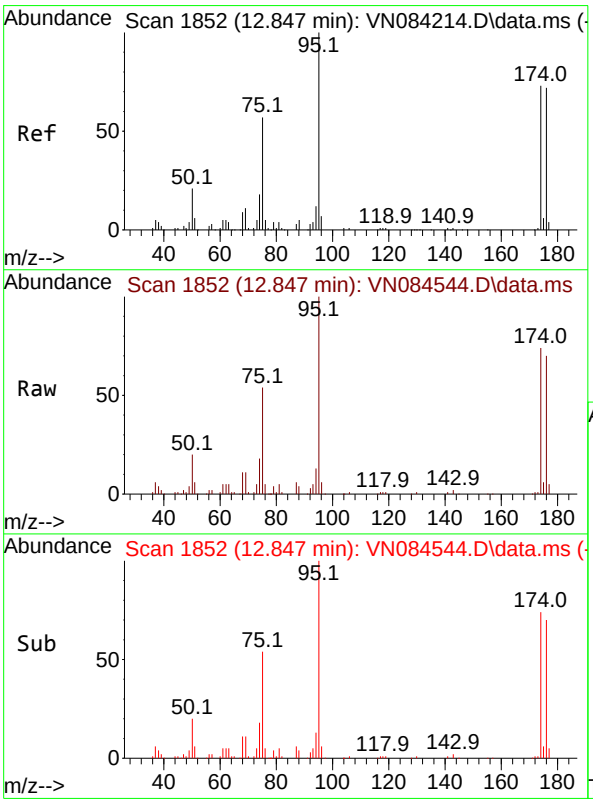
#50
Toluene-d8
Concen: 48.554 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Tgt Ion: 98 Resp: 334228

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

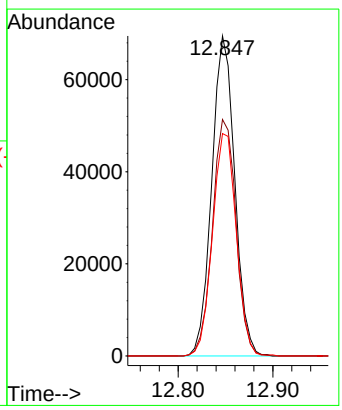


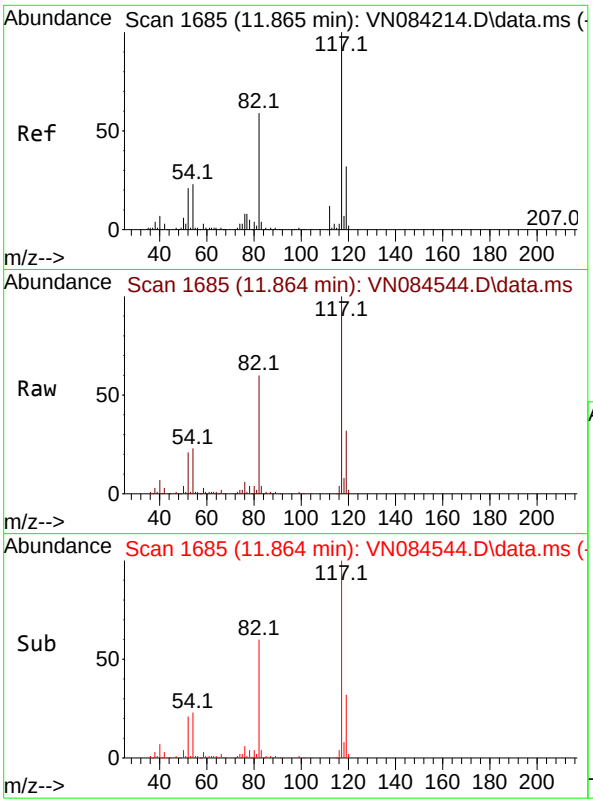


#62
4-Bromofluorobenzene
Concen: 46.711 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Tgt Ion: 95 Resp: 117140

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	145.2
176	72.2	0.0	140.0



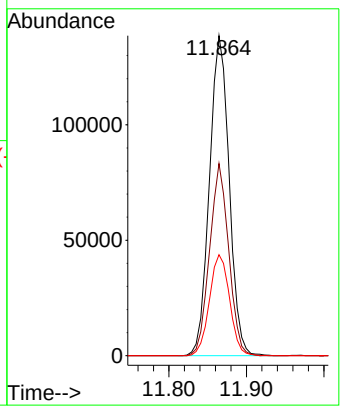


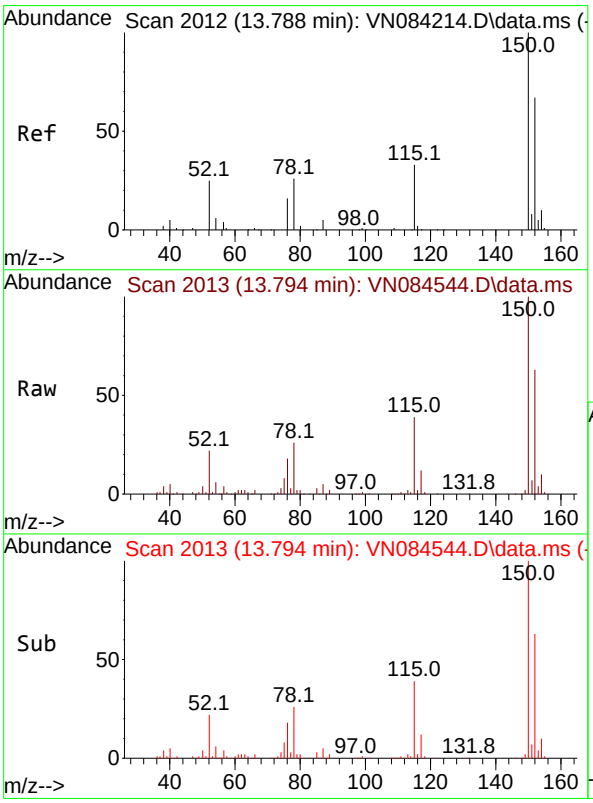
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Tgt Ion:117 Resp: 245056

Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.2	70.8
119	31.6	25.4	38.0

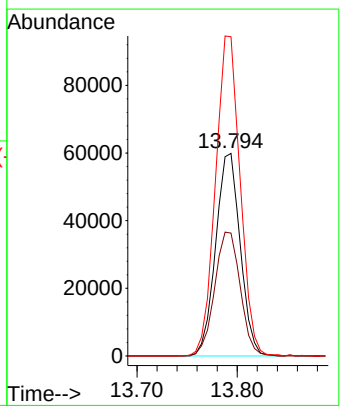




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084544.D
Acq: 28 Oct 2024 17:05

Tgt Ion:152 Resp: 101775

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	158.7	0.0	349.8



Sample Results: **VN084544.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084544.D
Acq On : 28 Oct 2024 17:05
Operator : JC\MD
Sample : P4550-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084544.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1047	1056	1061	rBV2	129027	319587	36.11%	6.838%
2	8.224	1061	1066	1077	rVB	231600	498653	56.34%	10.670%
3	8.576	1117	1126	1138	rBV	145524	325101	36.73%	6.956%
4	9.100	1206	1215	1225	rBV	329240	672002	75.92%	14.379%
5	10.565	1456	1464	1477	rBV	481676	885101	100.00%	18.938%
6	11.864	1677	1685	1698	rVB	436896	764485	86.37%	16.357%
7	12.847	1845	1852	1861	rBV	340529	573016	64.74%	12.261%
8	13.788	2005	2012	2020	rBV	369281	635667	71.82%	13.601%

Sum of corrected areas: 4673612

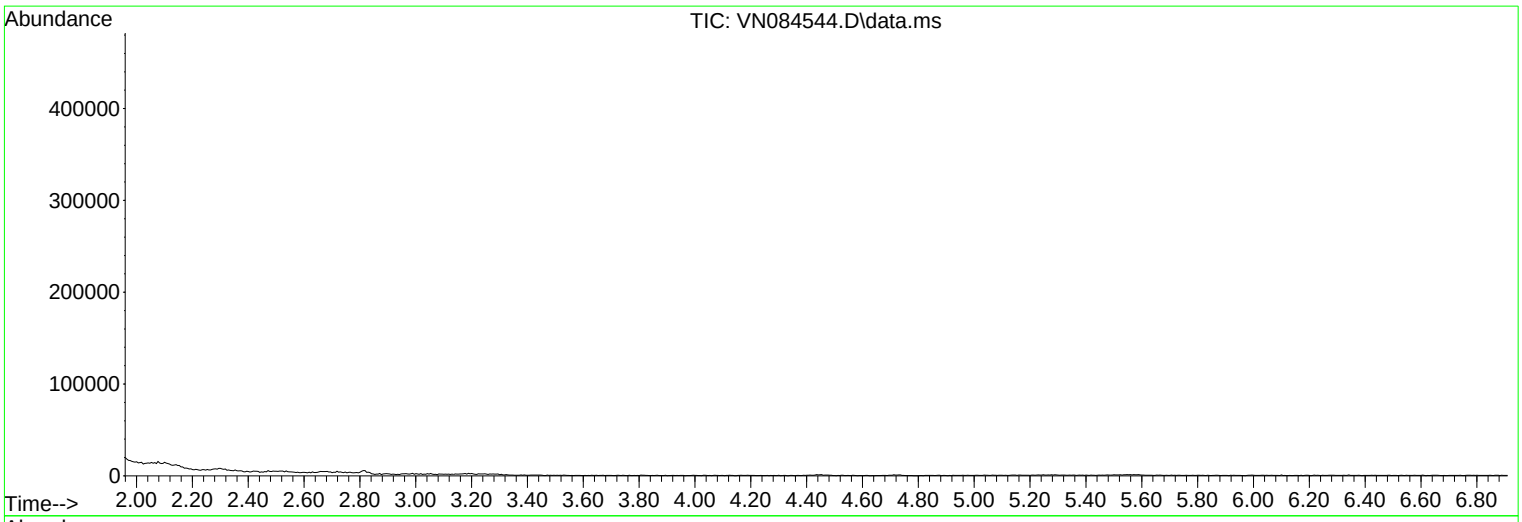
Sample Results: **VN084544.D**

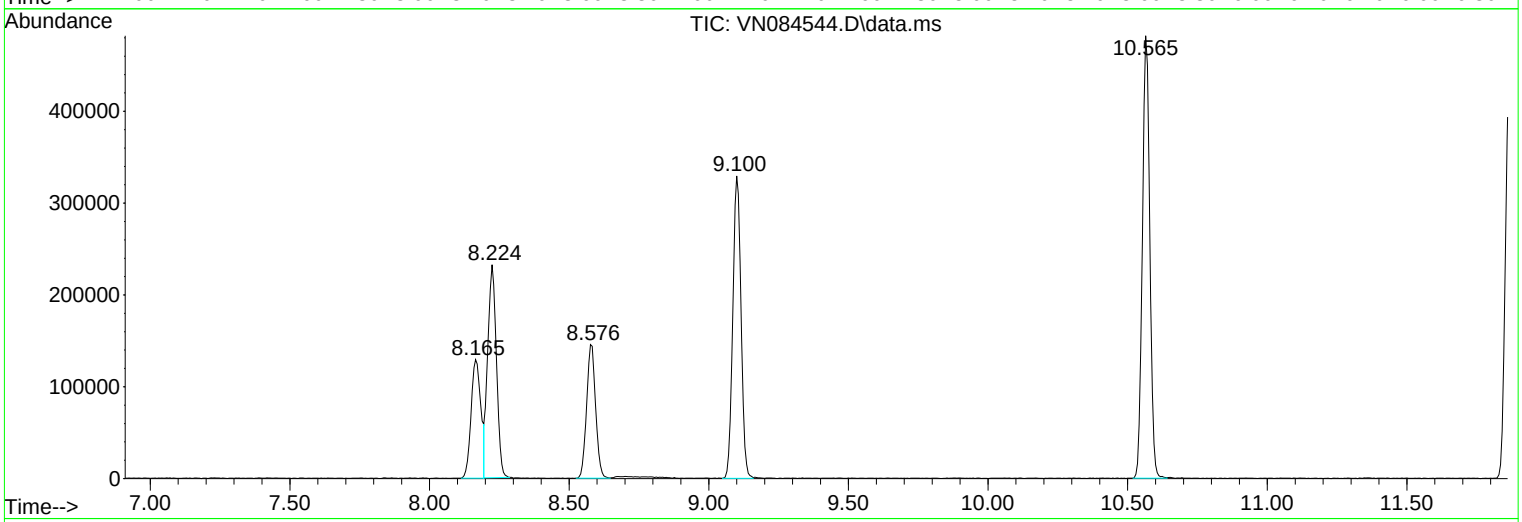
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084544.D
Acq On : 28 Oct 2024 17:05
Operator : JC\MD
Sample : P4550-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

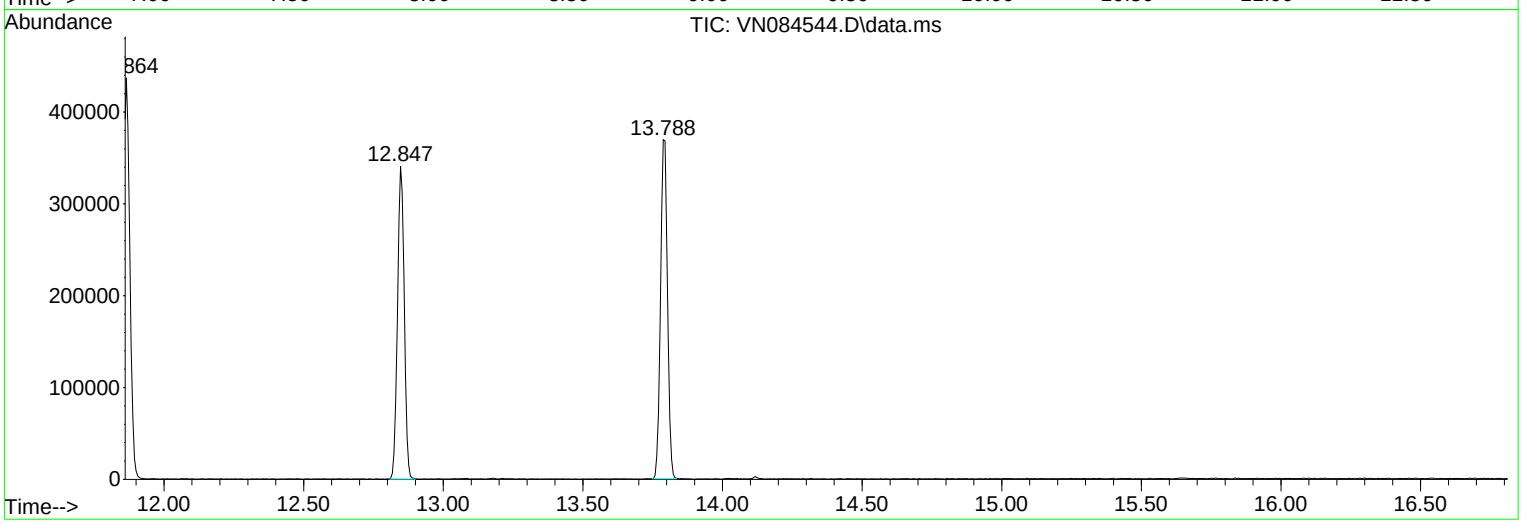
Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084544.D
Acq On : 28 Oct 2024 17:05
Operator : JC\MD
Sample : P4550-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084544.D
Acq On : 28 Oct 2024 17:05
Operator : JC\MD
Sample : P4550-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-EB-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084523.D	1		10/25/24 18:02	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-EB-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084523.D	1		10/25/24 18:02	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		85 - 114		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	8.224				
540-36-3	1,4-Difluorobenzene	242000	9.1				
3114-55-4	Chlorobenzene-d5	211000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	83800	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-EB-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084523.D	1		10/25/24 18:02	VN102524

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

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 : VN084523.D
Acq On : 25 Oct 2024 18:02
Operator : JC\MD
Sample : P4550-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Quant Time: Oct 25 23:37:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

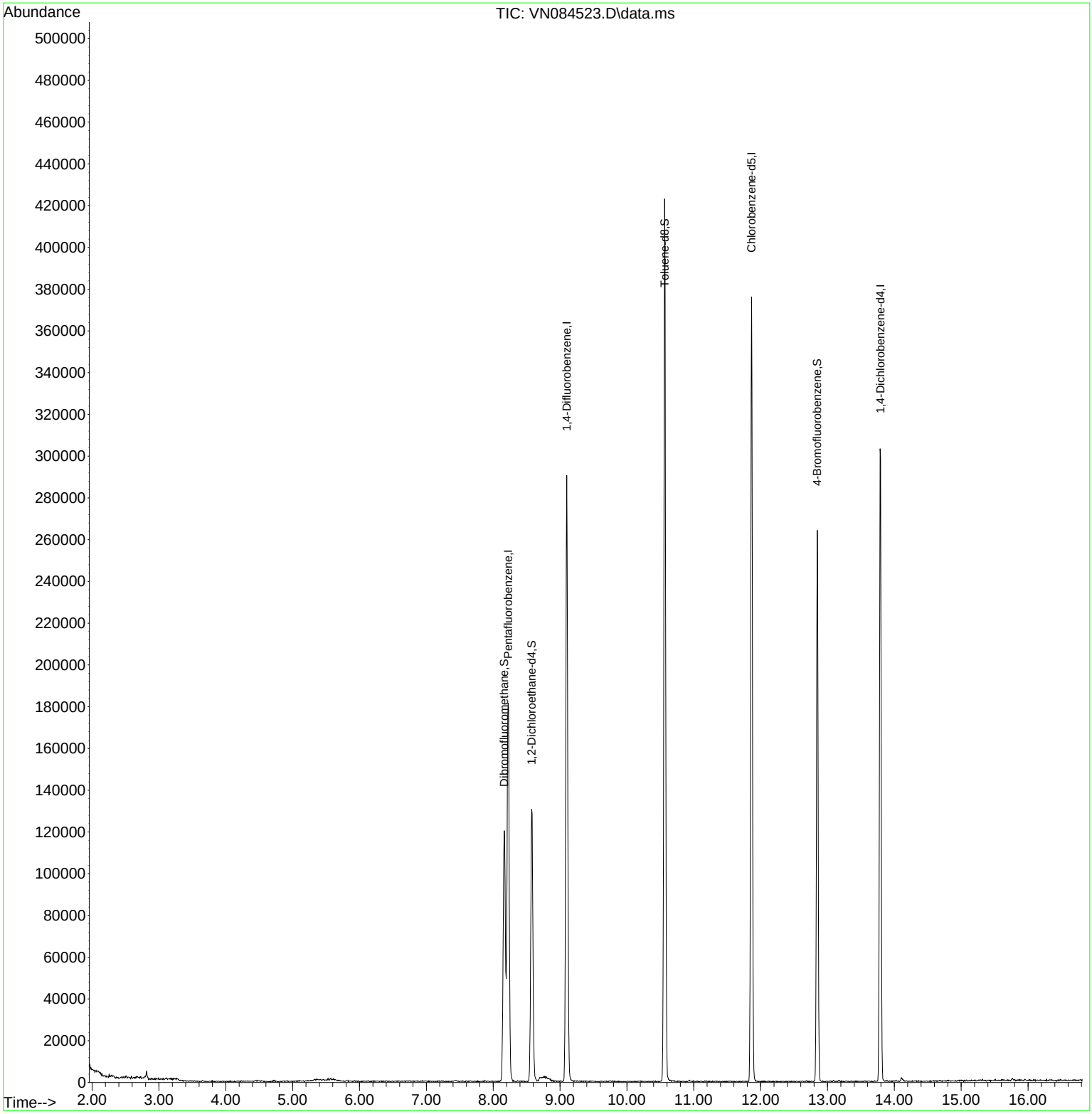
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	130309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109188	56.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.020%			
35) Dibromofluoromethane	8.165	113	88095	55.131	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.260%			
50) Toluene-d8	10.565	98	283059	48.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.300%			
62) 4-Bromofluorobenzene	12.847	95	93067	43.454	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.900%			
Target Compounds						Qvalue

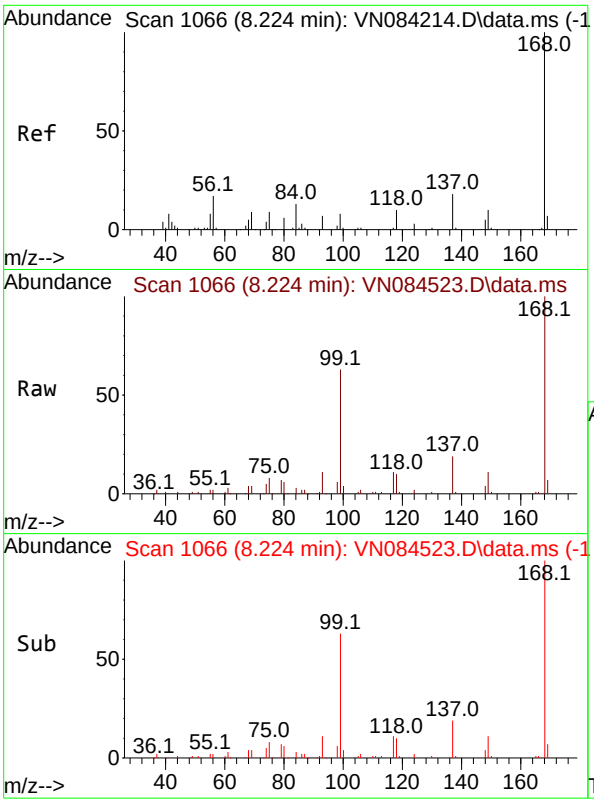
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084523.D
Acq On : 25 Oct 2024 18:02
Operator : JC\MD
Sample : P4550-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Quant Time: Oct 25 23:37:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



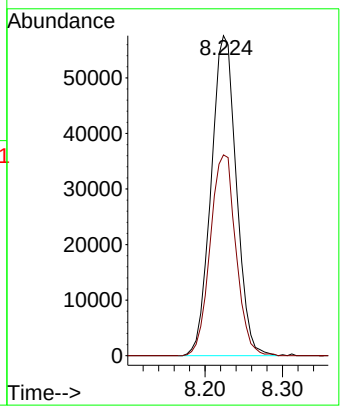


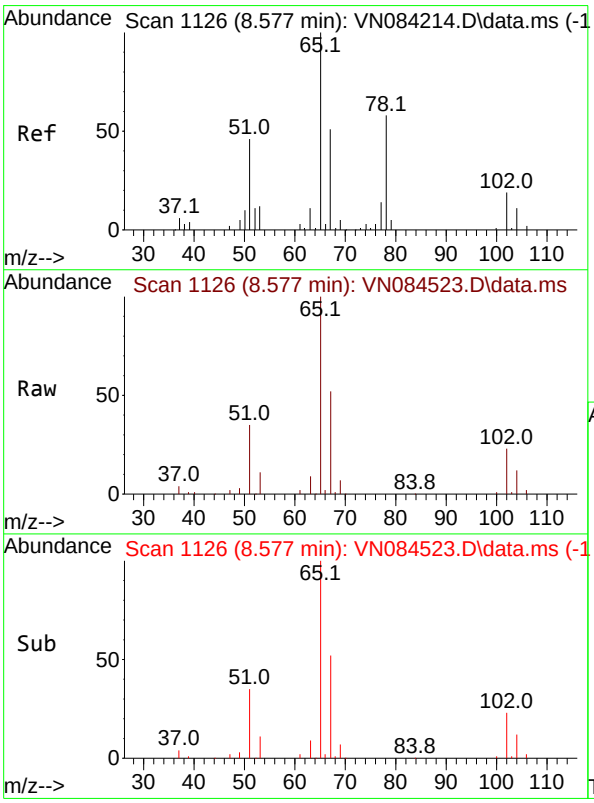
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Tgt Ion:168 Resp: 130309

Ion	Ratio	Lower	Upper
168	100		
99	62.7	54.2	81.2

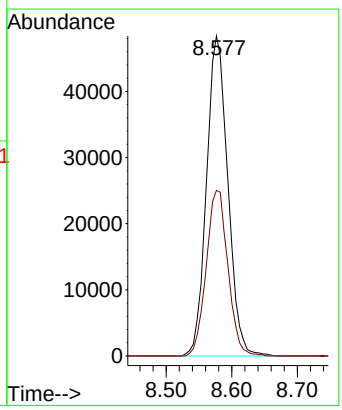


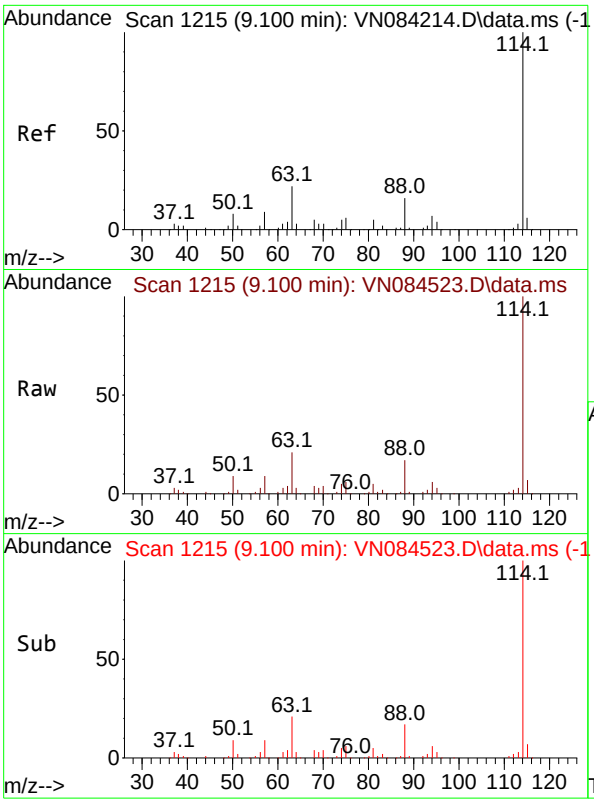


#33
1,2-Dichloroethane-d4
Concen: 56.513 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Tgt Ion: 65 Resp: 109188

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0



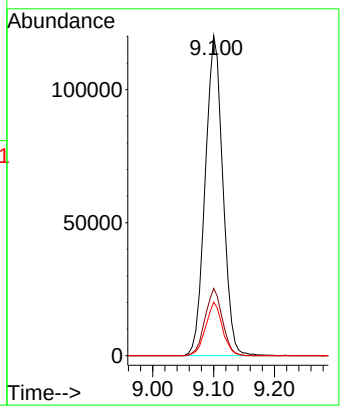


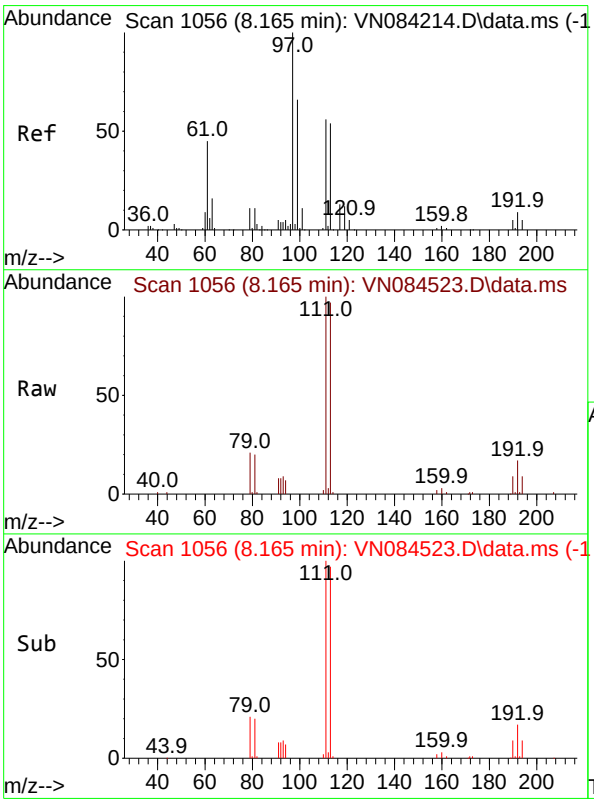
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Tgt Ion:114 Resp: 242378

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.7	0.0	31.6

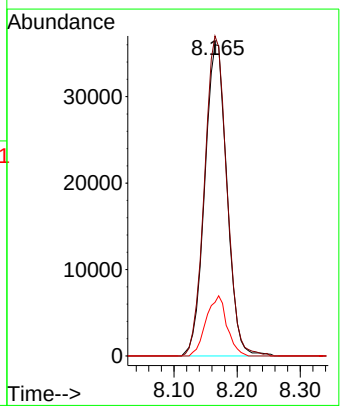


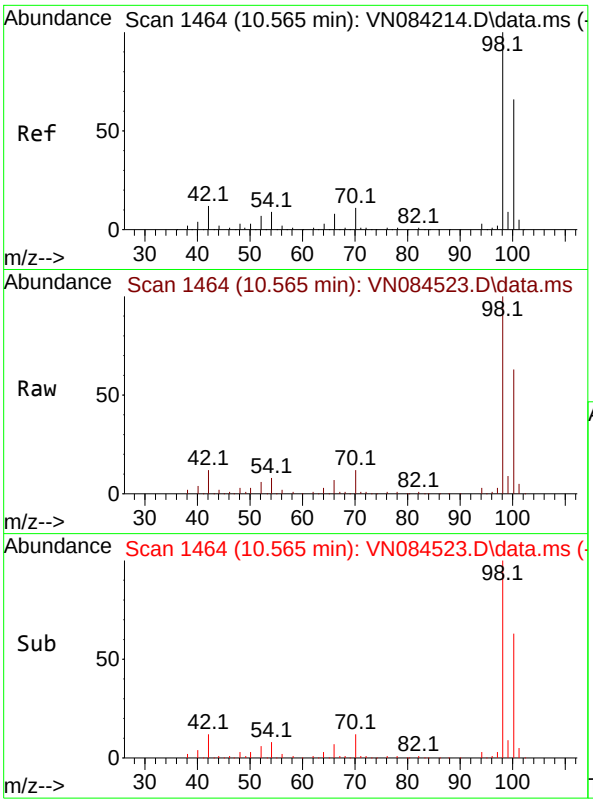


#35
Dibromofluoromethane
Concen: 55.131 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Tgt Ion:113 Resp: 88095

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.3	124.9
192	18.1	13.5	20.3



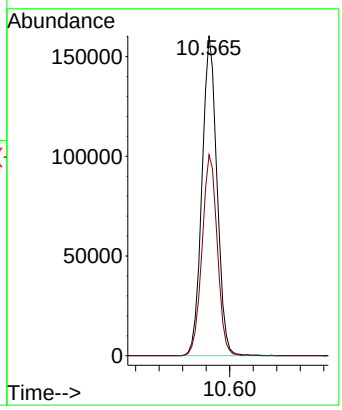


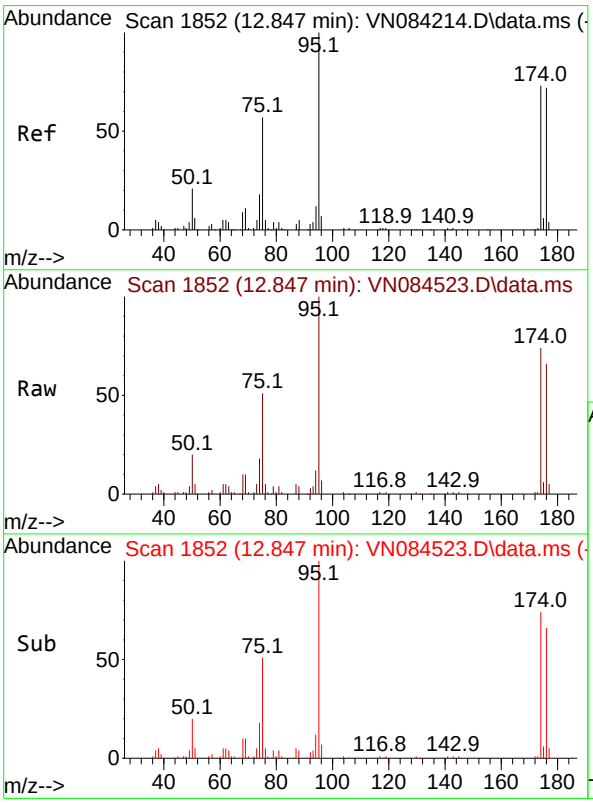
#50
Toluene-d8
Concen: 48.148 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Tgt Ion: 98 Resp: 283059

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.7	79.1

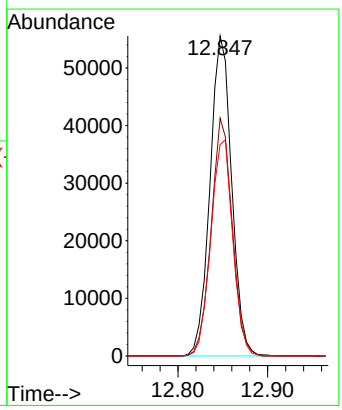


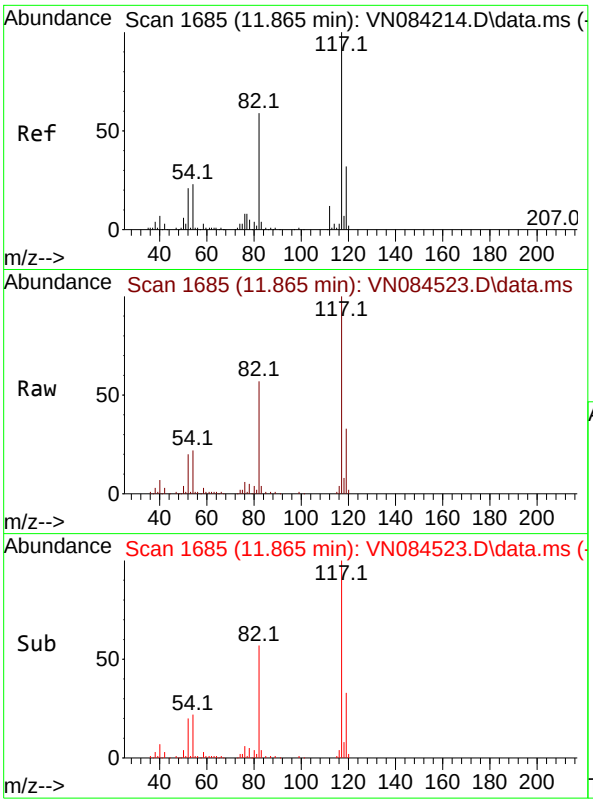


#62
4-Bromofluorobenzene
Concen: 43.454 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Tgt Ion: 95 Resp: 93067

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	145.2
176	68.6	0.0	140.0



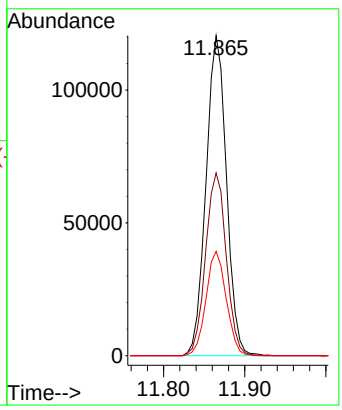


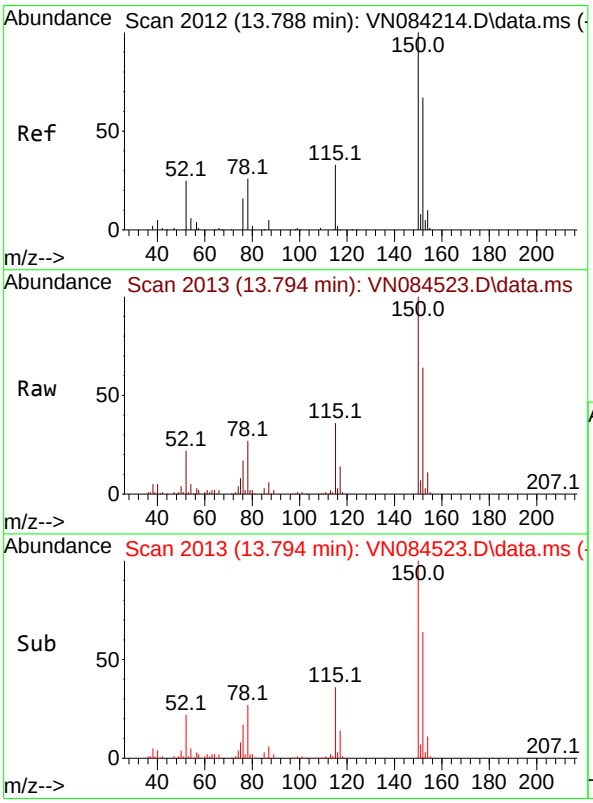
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Tgt Ion:117 Resp: 210611

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.2	70.8
119	32.6	25.4	38.0

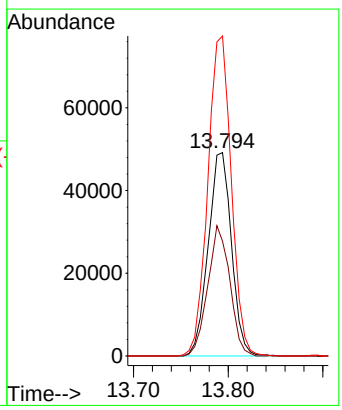




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084523.D
Acq: 25 Oct 2024 18:02

Tgt Ion:152 Resp: 83821

Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.3	93.9
150	158.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084523.D
Acq On : 25 Oct 2024 18:02
Operator : JC\MD
Sample : P4550-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084523.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1044	1056	1061	rBV2	120205	292724	39.03%	7.431%
2	8.224	1061	1066	1078	rVB	181371	407429	54.33%	10.343%
3	8.577	1116	1126	1139	rBV	130545	298572	39.81%	7.579%
4	9.100	1206	1215	1230	rBV	290126	576199	76.83%	14.627%
5	10.565	1455	1464	1477	rBV	422663	749965	100.00%	19.038%
6	11.865	1677	1685	1695	rBV	375872	657575	87.68%	16.693%
7	12.847	1845	1852	1864	rVB	264095	439261	58.57%	11.151%
8	13.788	2005	2012	2020	rBV	303005	517589	69.02%	13.139%

Sum of corrected areas: 3939314

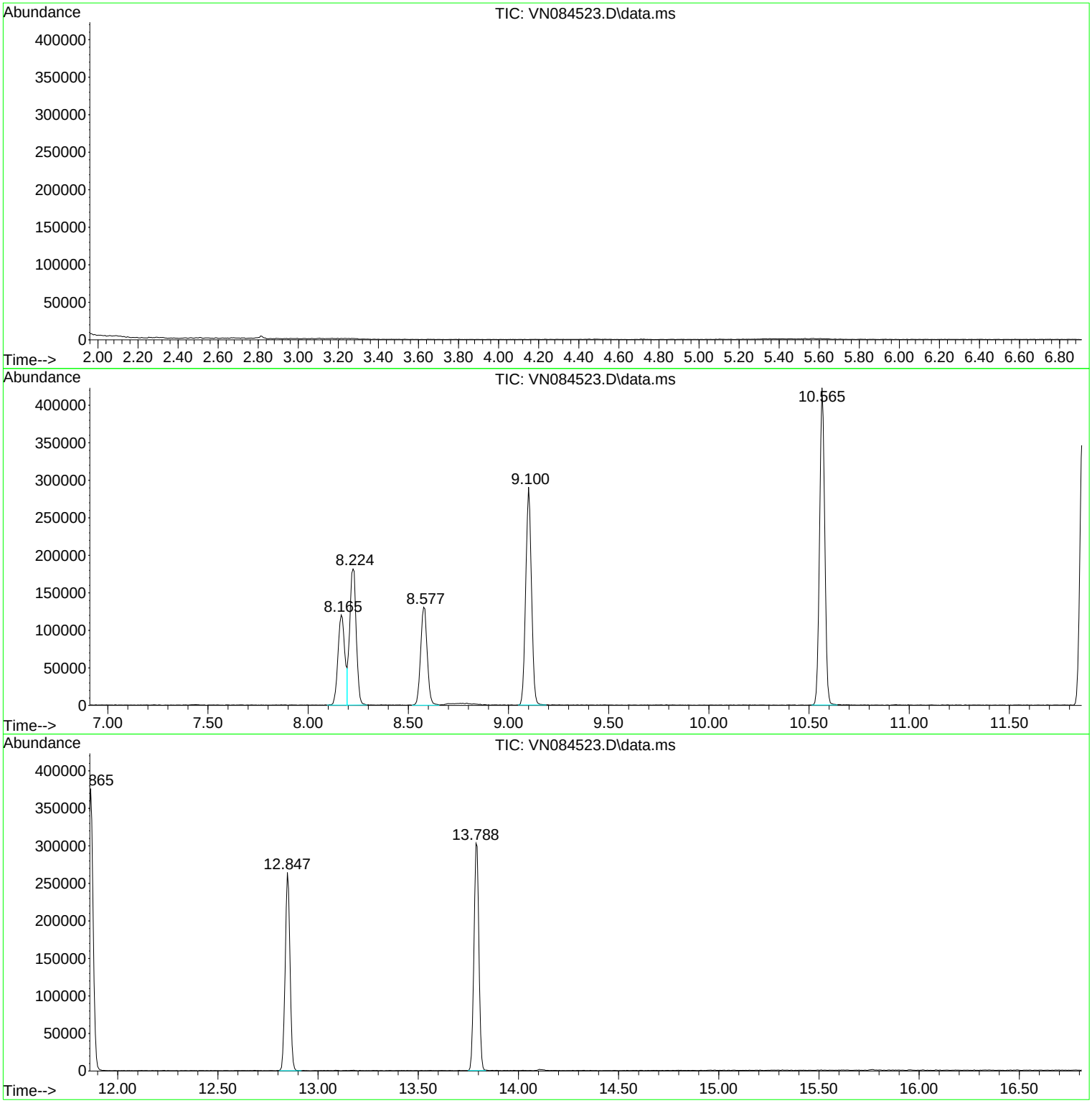
Sample Results: **VN084523.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084523.D
Acq On : 25 Oct 2024 18:02
Operator : JC\MD
Sample : P4550-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084523.D
Acq On : 25 Oct 2024 18:02
Operator : JC\MD
Sample : P4550-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084523.D
Acq On : 25 Oct 2024 18:02
Operator : JC\MD
Sample : P4550-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-298-300	SDG No.:	P4550
Lab Sample ID:	P4550-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084524.D	1		10/25/24 18:26	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-298-300	SDG No.:	P4550
Lab Sample ID:	P4550-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084524.D	1		10/25/24 18:26	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.8		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	55.9		80 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		85 - 114		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	8.224				
540-36-3	1,4-Difluorobenzene	239000	9.1				
3114-55-4	Chlorobenzene-d5	205000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	82300	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-298-300	SDG No.:	P4550
Lab Sample ID:	P4550-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084524.D	1		10/25/24 18:26	VN102524

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

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 : VN084524.D
Acq On : 25 Oct 2024 18:26
Operator : JC\MD
Sample : P4550-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Quant Time: Oct 26 01:12:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	129311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	239210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	82305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108934	56.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.640%			
35) Dibromofluoromethane	8.165	113	88206	55.932	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.860%			
50) Toluene-d8	10.565	98	283116	48.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.600%			
62) 4-Bromofluorobenzene	12.847	95	92209	43.624	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.240%			

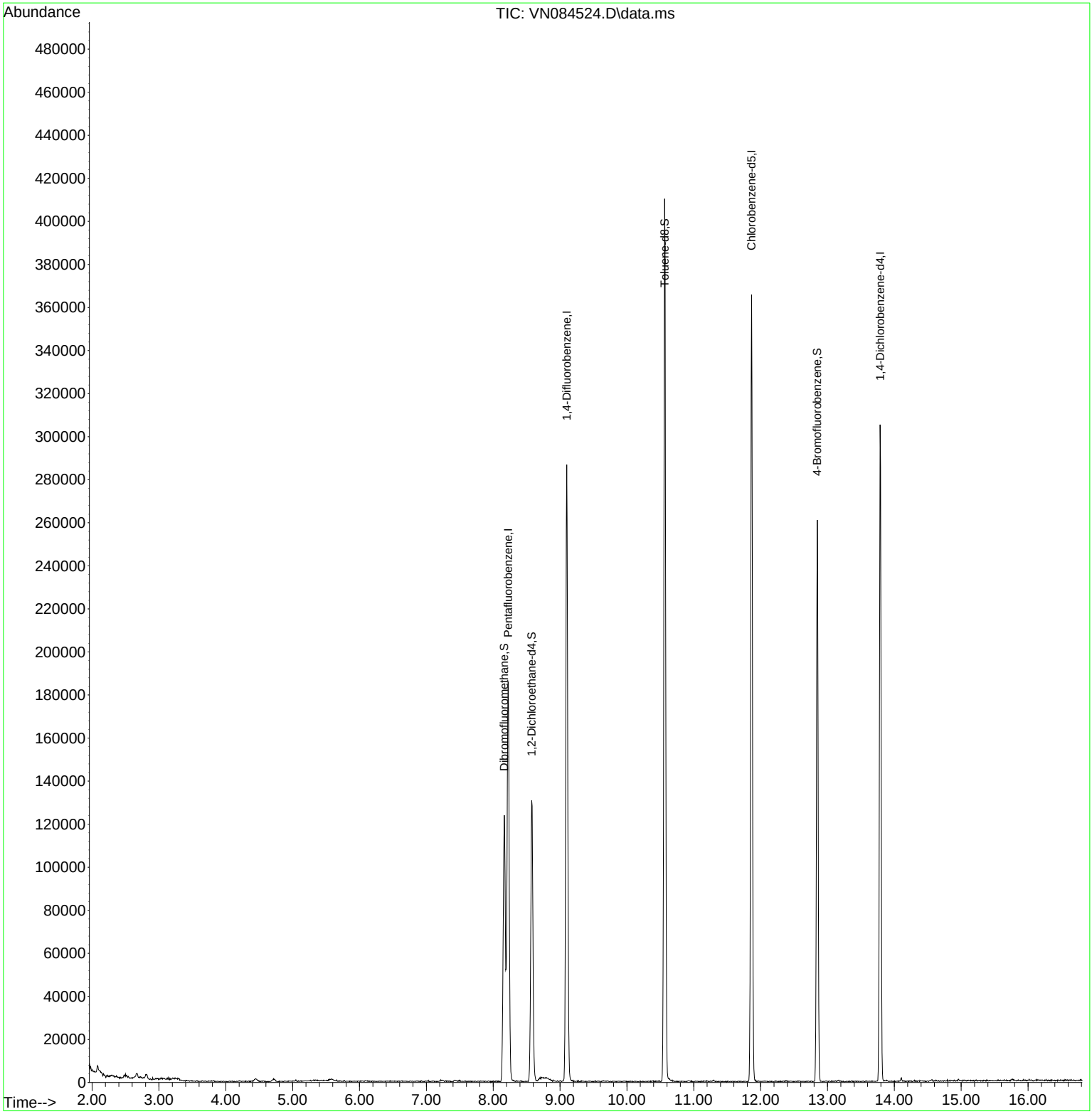
Target Compounds Qvalue

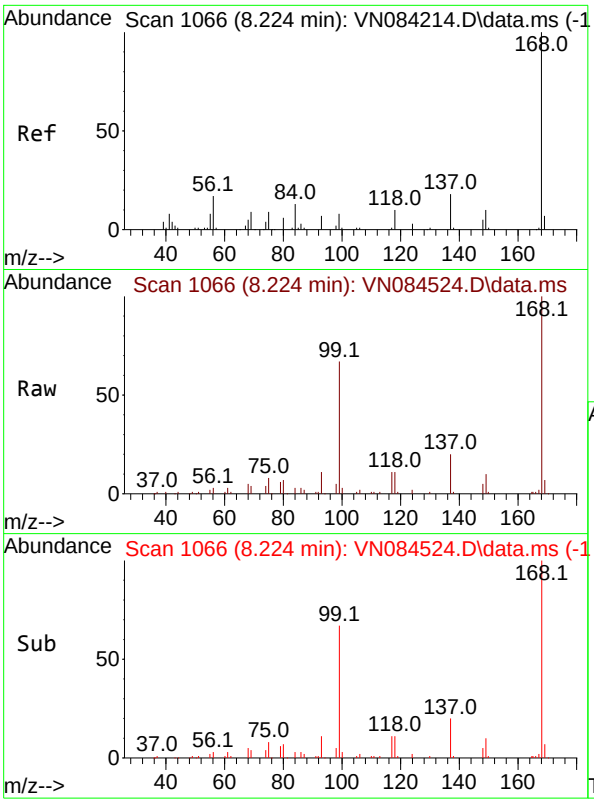
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084524.D
Acq On : 25 Oct 2024 18:26
Operator : JC\MD
Sample : P4550-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Quant Time: Oct 26 01:12:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



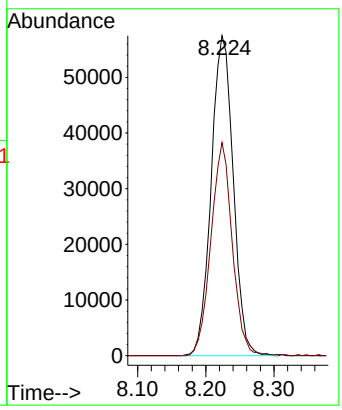


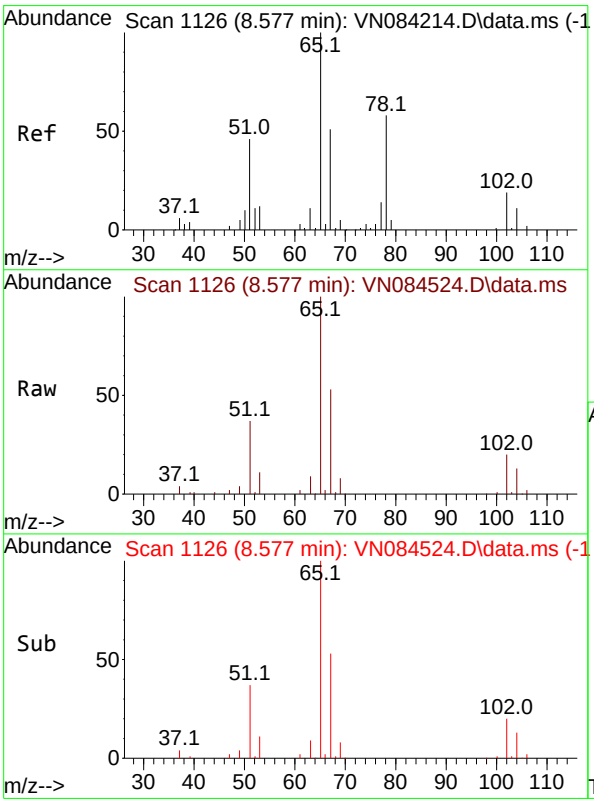
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Tgt Ion:168 Resp: 129311

Ion	Ratio	Lower	Upper
168	100		
99	66.6	54.2	81.2

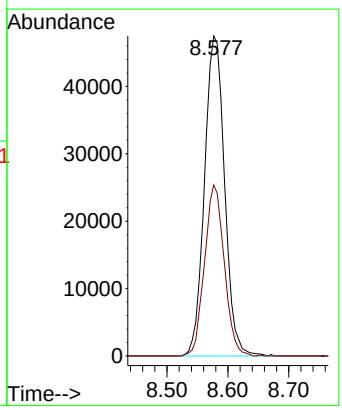


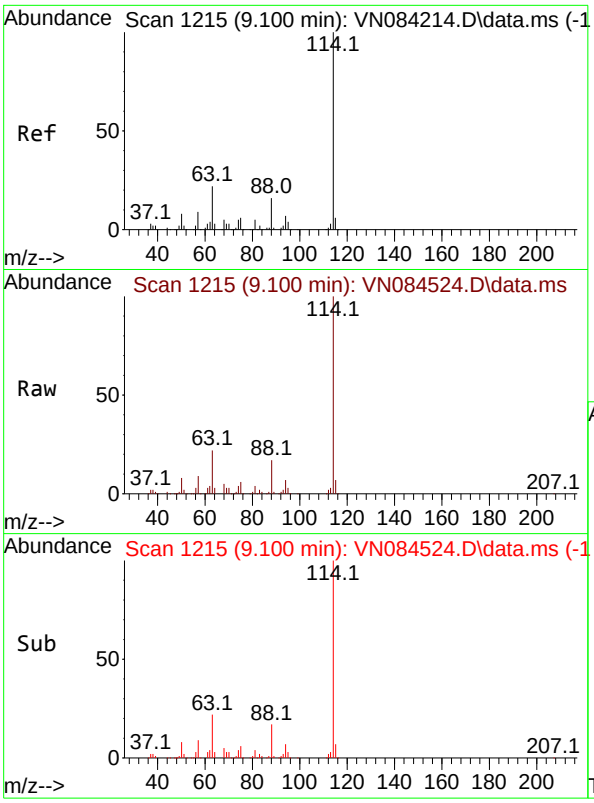


#33
1,2-Dichloroethane-d4
Concen: 56.817 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Tgt Ion: 65 Resp: 108934

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0



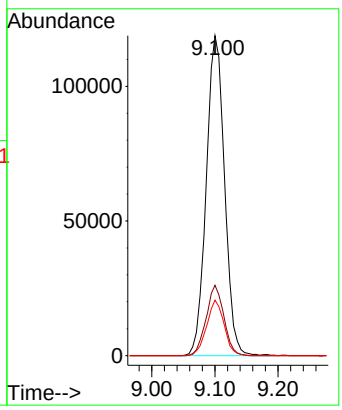


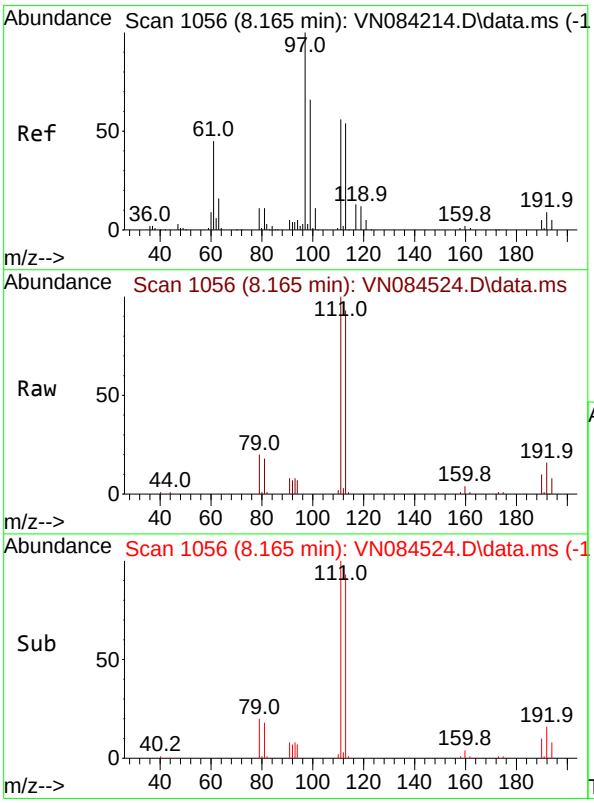
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Tgt Ion:114 Resp: 239210

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	17.4	0.0	31.6

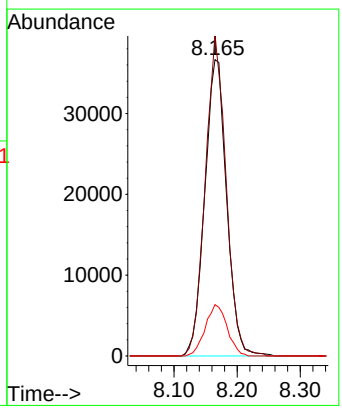


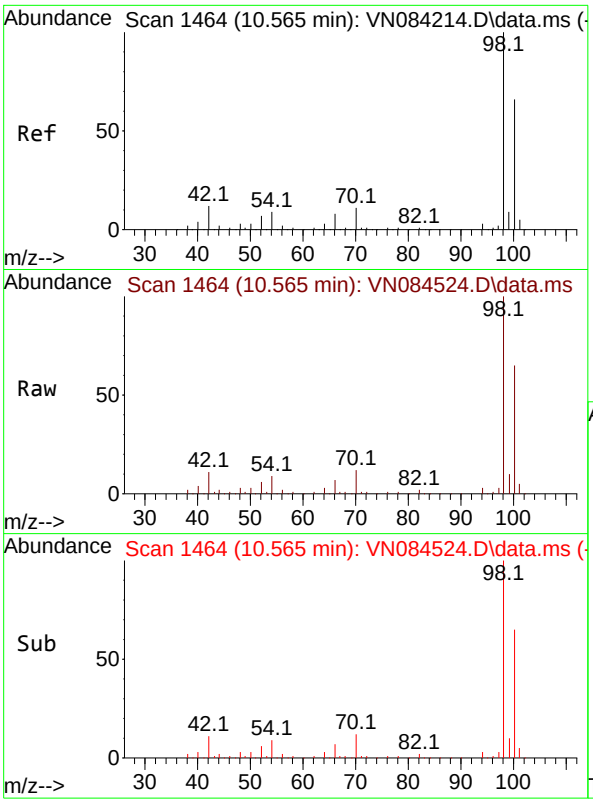


#35
Dibromofluoromethane
Concen: 55.932 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Tgt Ion:113 Resp: 88206

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.3	124.9
192	17.3	13.5	20.3



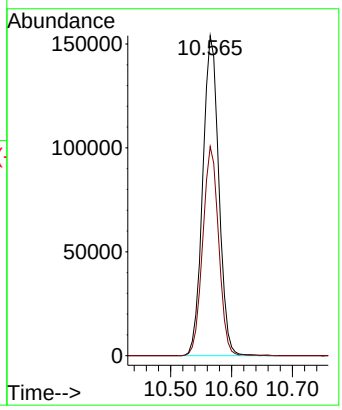


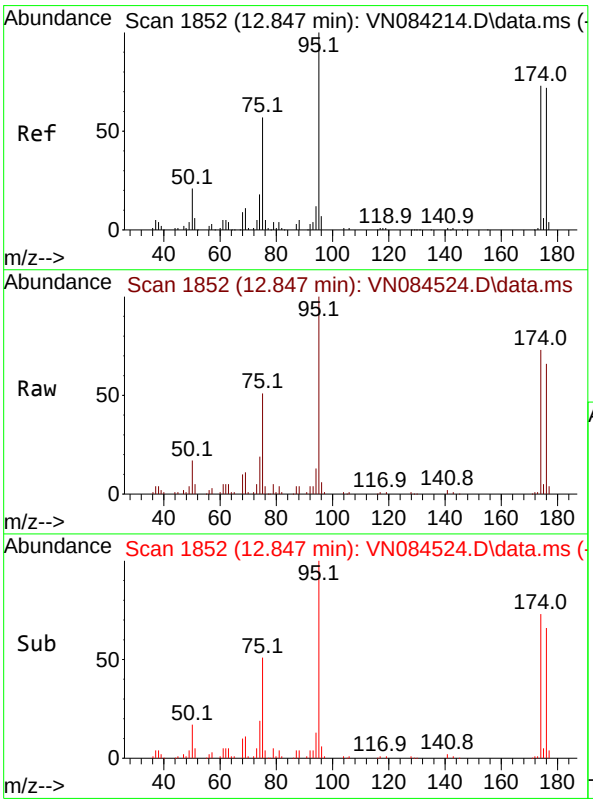
#50
Toluene-d8
Concen: 48.796 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Tgt Ion: 98 Resp: 283116

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

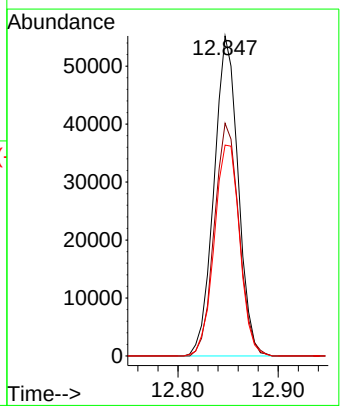


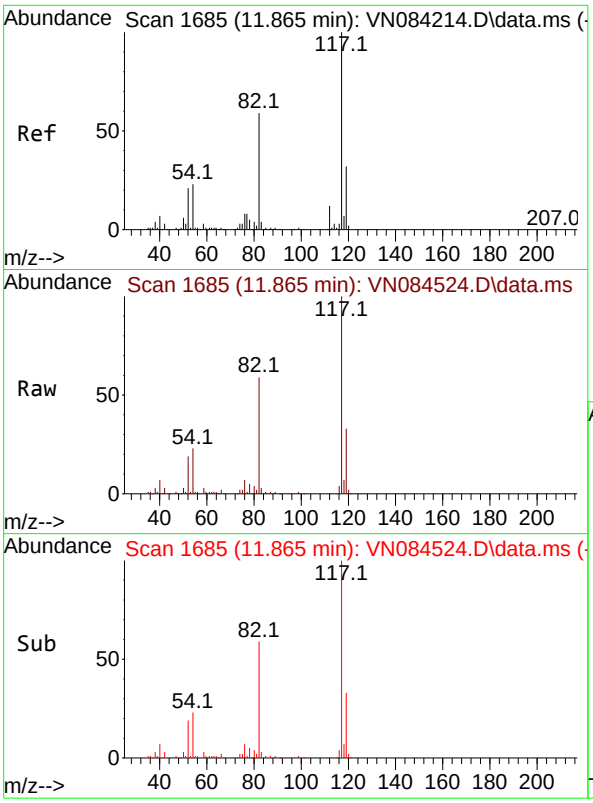


#62
4-Bromofluorobenzene
Concen: 43.624 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Tgt Ion: 95 Resp: 92209

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	145.2
176	69.6	0.0	140.0



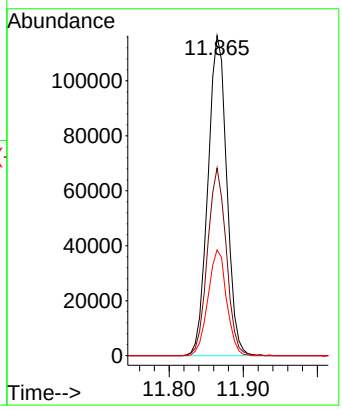


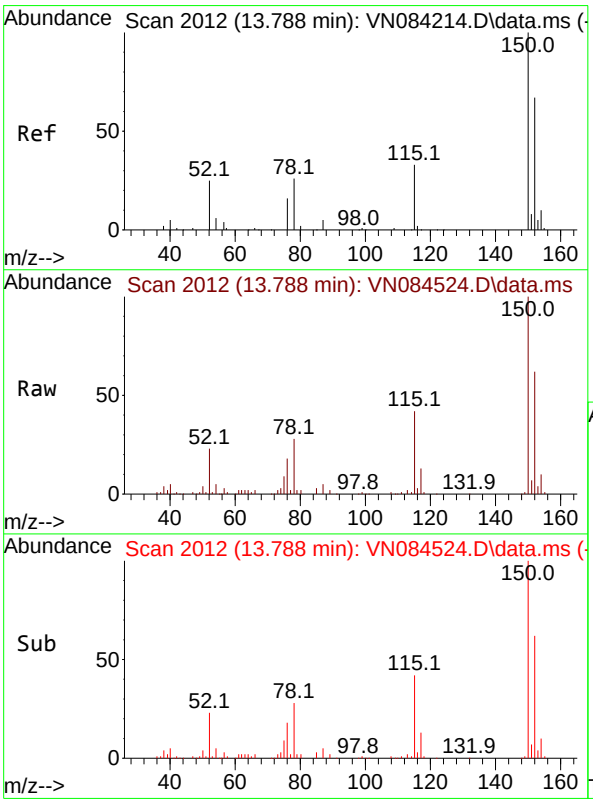
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Tgt Ion:117 Resp: 205331

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	33.1	25.4	38.0

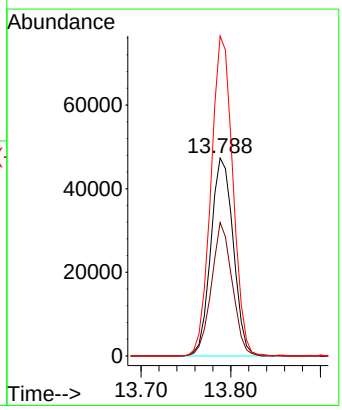




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084524.D
Acq: 25 Oct 2024 18:26

Tgt Ion:152 Resp: 82305

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	157.4	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084524.D
Acq On : 25 Oct 2024 18:26
Operator : JC\MD
Sample : P4550-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084524.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	18	22	35	rVB4	4797	14531	1.94%	0.370%
2	8.165	1047	1056	1060	rBV	123804	275874	36.82%	7.034%
3	8.224	1060	1066	1077	rVB	185337	421800	56.30%	10.754%
4	8.577	1117	1126	1137	rBV	130511	296226	39.54%	7.553%
5	9.100	1205	1215	1227	rBV	286447	569697	76.04%	14.525%
6	10.565	1456	1464	1474	rBV	409901	749158	100.00%	19.100%
7	11.865	1676	1685	1694	rBV	365642	645005	86.10%	16.445%
8	12.847	1845	1852	1860	rVB	260767	438376	58.52%	11.177%
9	13.788	2005	2012	2022	rVB	304938	511540	68.28%	13.042%

Sum of corrected areas: 3922207

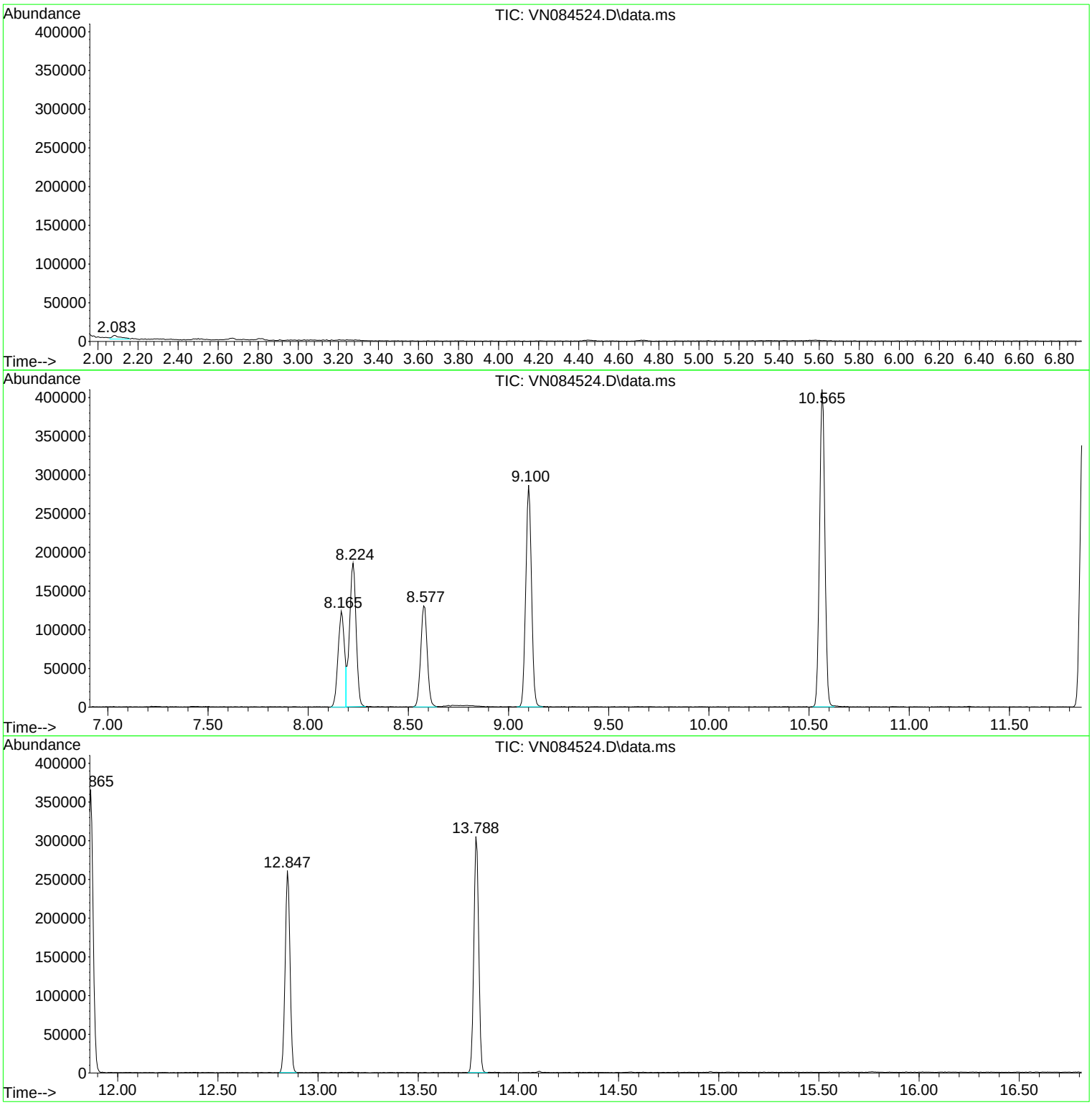
Sample Results: **VN084524.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084524.D
Acq On : 25 Oct 2024 18:26
Operator : JC\MD
Sample : P4550-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084524.D
Acq On : 25 Oct 2024 18:26
Operator : JC\MD
Sample : P4550-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084524.D
Acq On : 25 Oct 2024 18:26
Operator : JC\MD
Sample : P4550-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-298-300

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-318-320	SDG No.:	P4550
Lab Sample ID:	P4550-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084545.D	1		10/28/24 17:29	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.70		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-318-320	SDG No.:	P4550
Lab Sample ID:	P4550-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084545.D	1		10/28/24 17:29	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	162000	8.224				
540-36-3	1,4-Difluorobenzene	284000	9.1				
3114-55-4	Chlorobenzene-d5	249000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	99600	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-318-320	SDG No.:	P4550
Lab Sample ID:	P4550-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084545.D	1		10/28/24 17:29	VN102824

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

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\VN102824\
Data File : VN084545.D
Acq On : 28 Oct 2024 17:29
Operator : JC\MD
Sample : P4550-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Quant Time: Oct 28 18:36:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

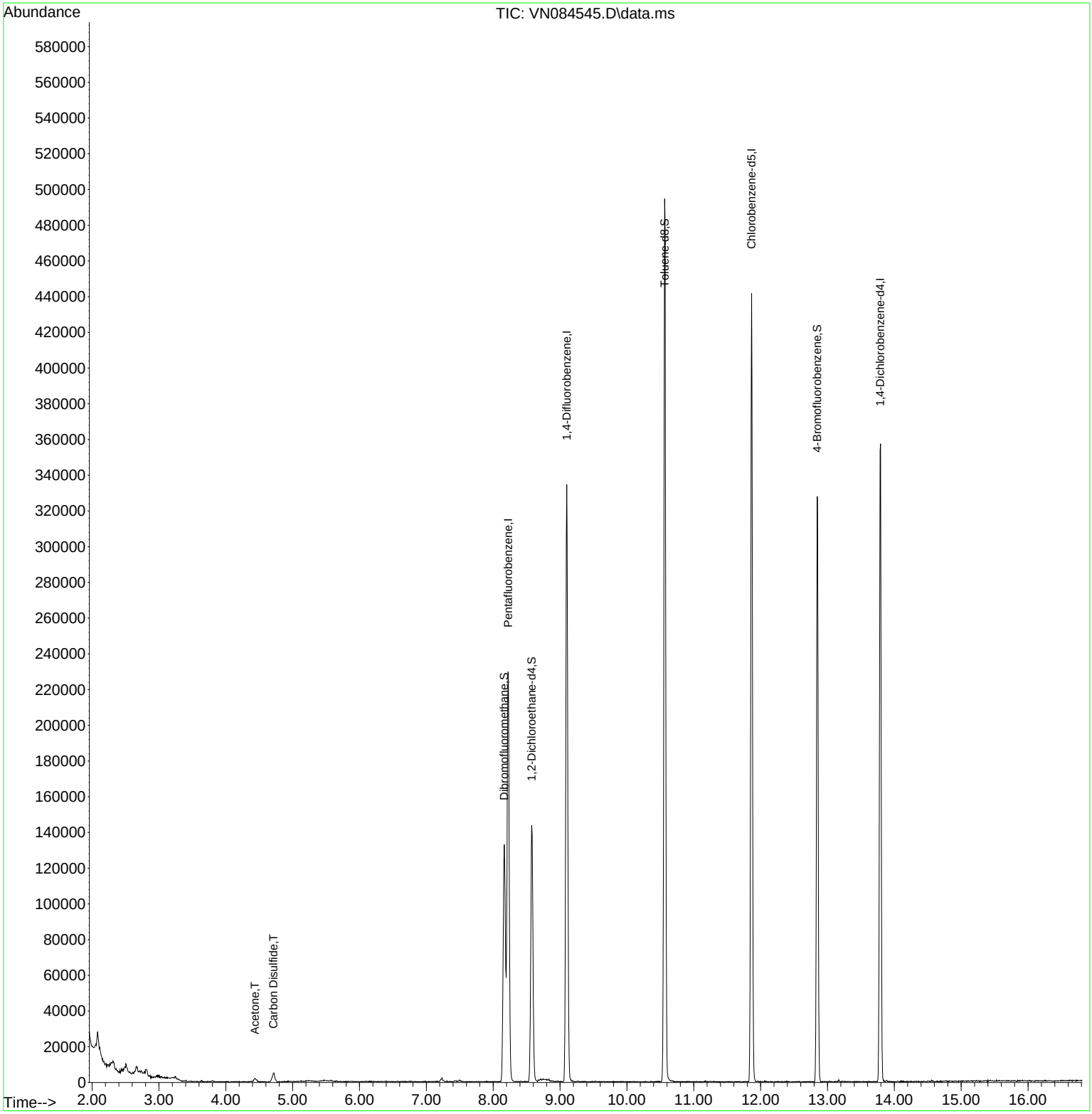
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	119432	49.786	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.580%			
35) Dibromofluoromethane	8.165	113	96169	51.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	10.565	98	343231	49.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.847	95	115317	45.949	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.900%			
Target Compounds						Qvalue
16) Acetone	4.436	43	3890	3.775	ug/l #	87
17) Carbon Disulfide	4.712	76	9889	1.715	ug/l #	89

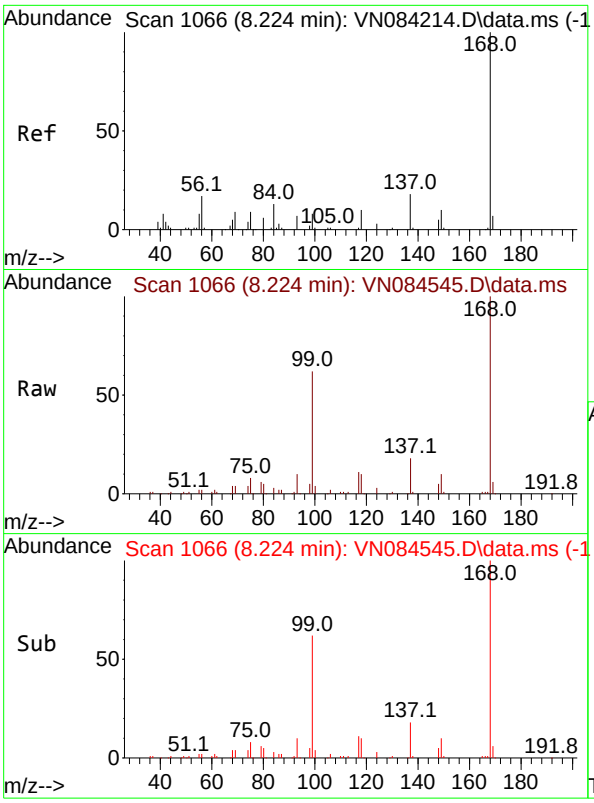
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084545.D
Acq On : 28 Oct 2024 17:29
Operator : JC\MD
Sample : P4550-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Quant Time: Oct 28 18:36:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



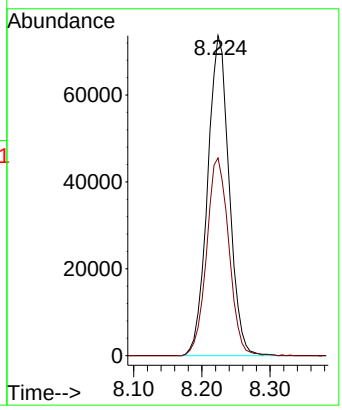


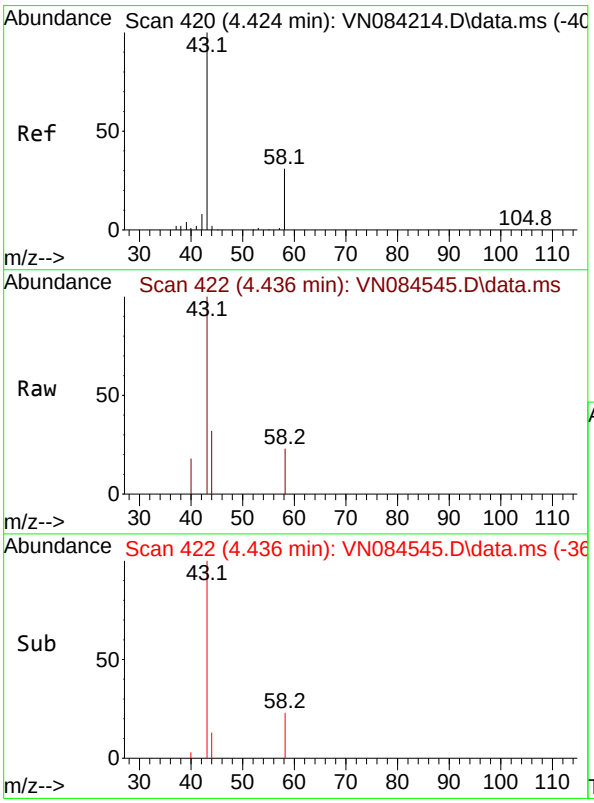
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Tgt Ion:168 Resp: 161796

Ion	Ratio	Lower	Upper
168	100		
99	61.8	54.2	81.2

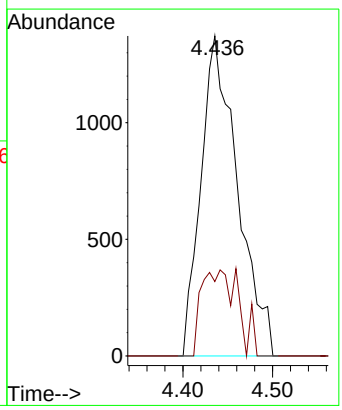


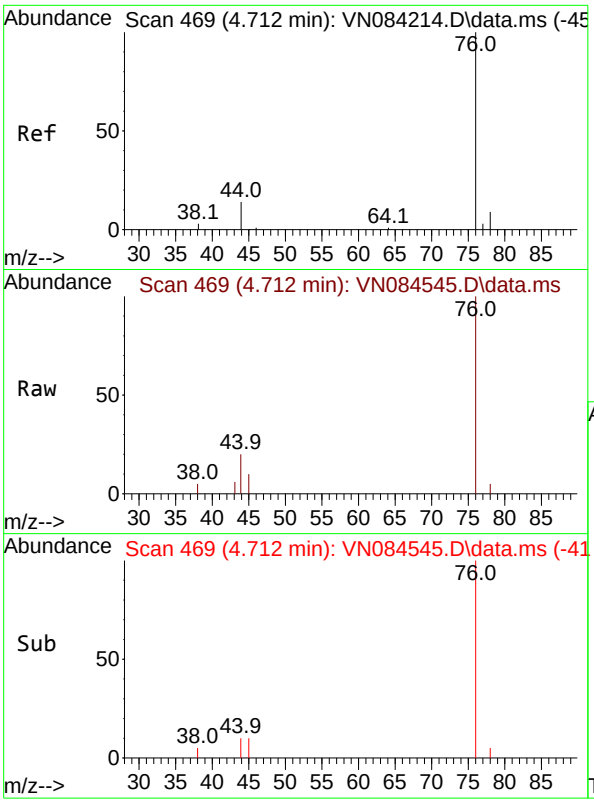


#16
Acetone
Concen: 3.775 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Tgt Ion: 43 Resp: 3890

Ion	Ratio	Lower	Upper
43	100		
58	23.3	24.4	36.6#



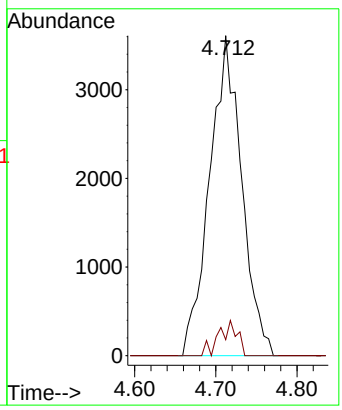


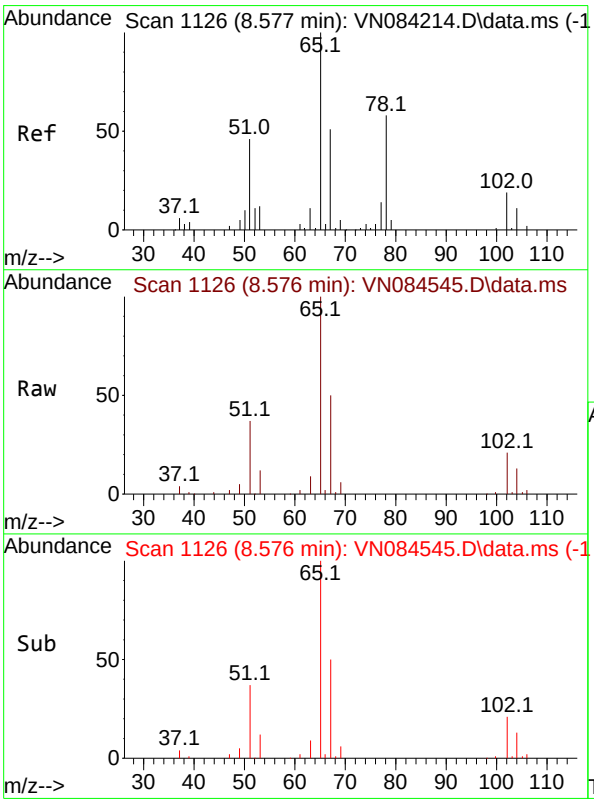
#17
Carbon Disulfide
Concen: 1.715 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Tgt Ion: 76 Resp: 9889

Ion	Ratio	Lower	Upper
76	100		
78	5.0	7.3	10.9#

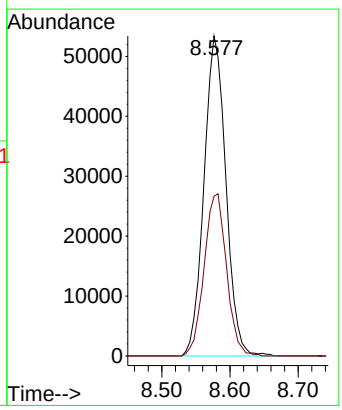


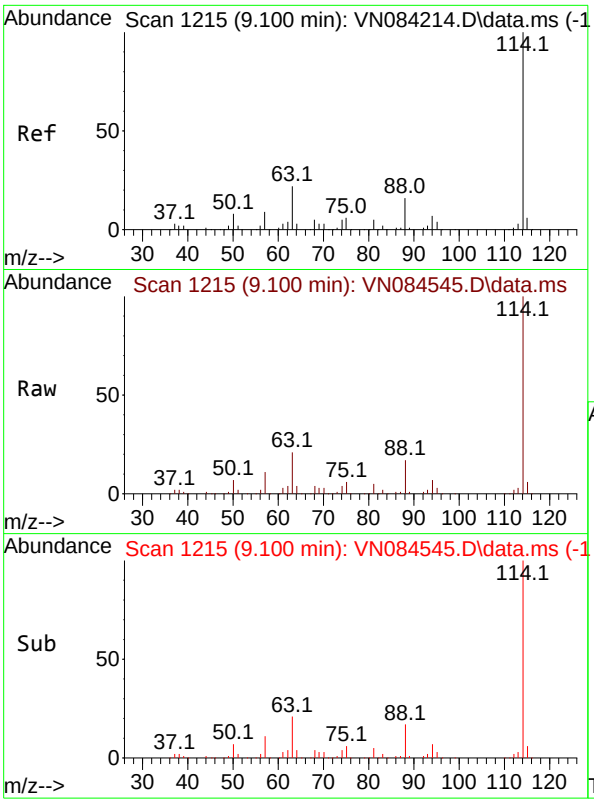


#33
1,2-Dichloroethane-d4
Concen: 49.786 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Tgt Ion: 65 Resp: 119432

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



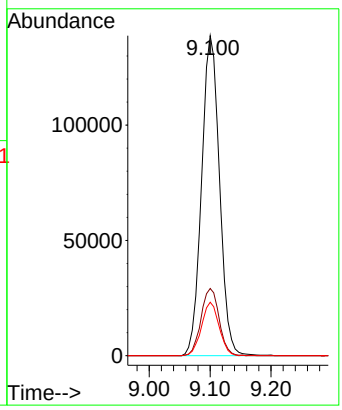


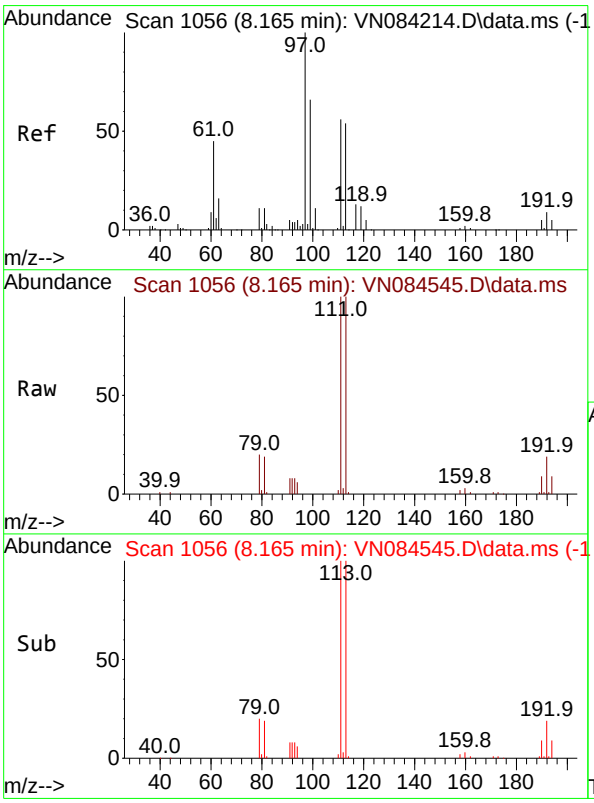
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Tgt Ion:114 Resp: 284018

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.7	0.0	31.6

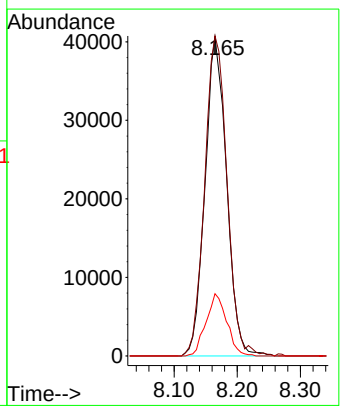


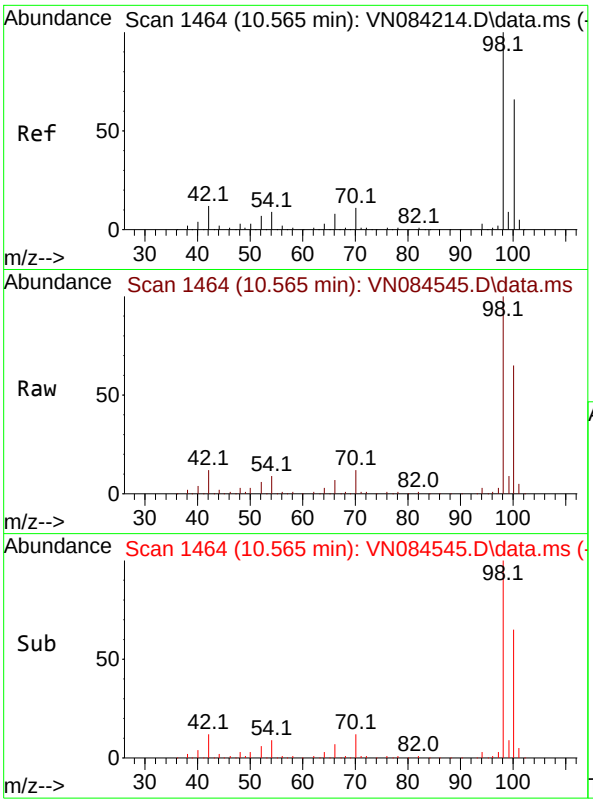


#35
Dibromofluoromethane
Concen: 51.361 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Tgt Ion:113 Resp: 96169

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.3	124.9
192	18.8	13.5	20.3



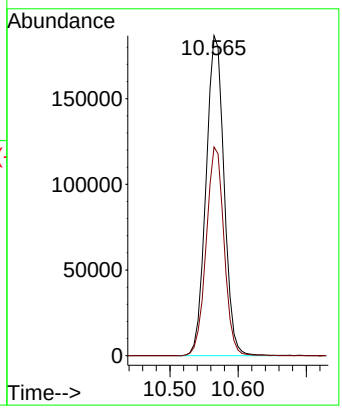


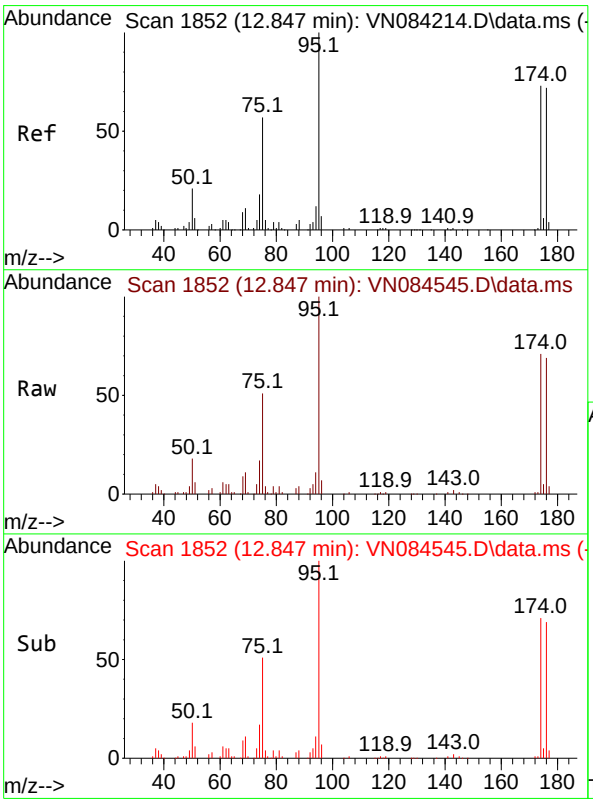
#50
Toluene-d8
Concen: 49.824 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Tgt Ion: 98 Resp: 343231

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

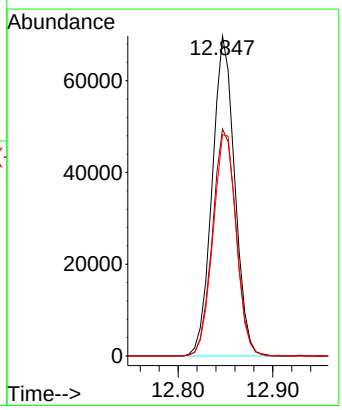


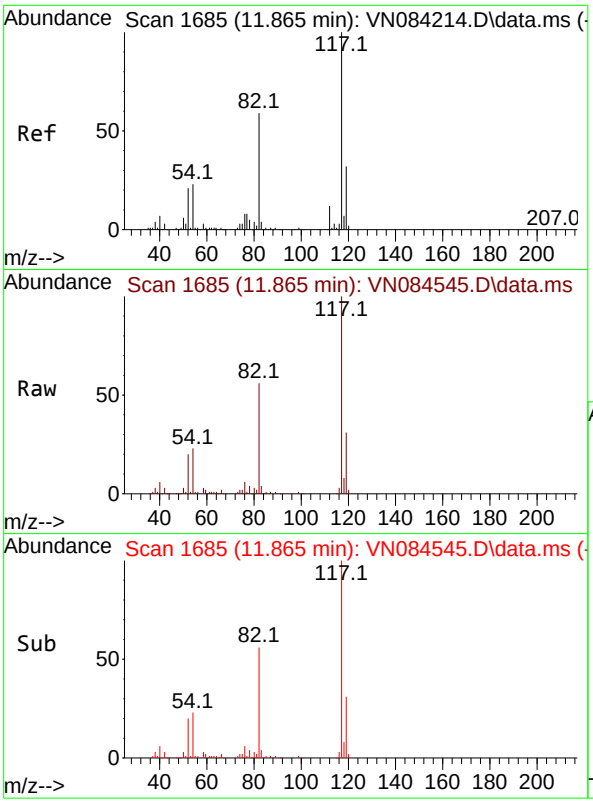


#62
4-Bromofluorobenzene
Concen: 45.949 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Tgt Ion: 95 Resp: 115317

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	145.2
176	71.9	0.0	140.0



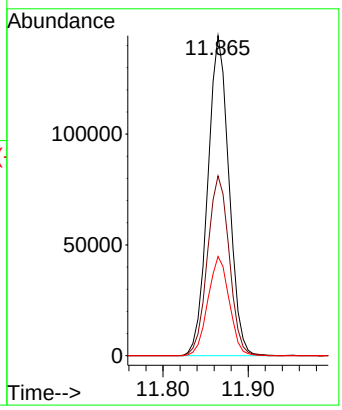


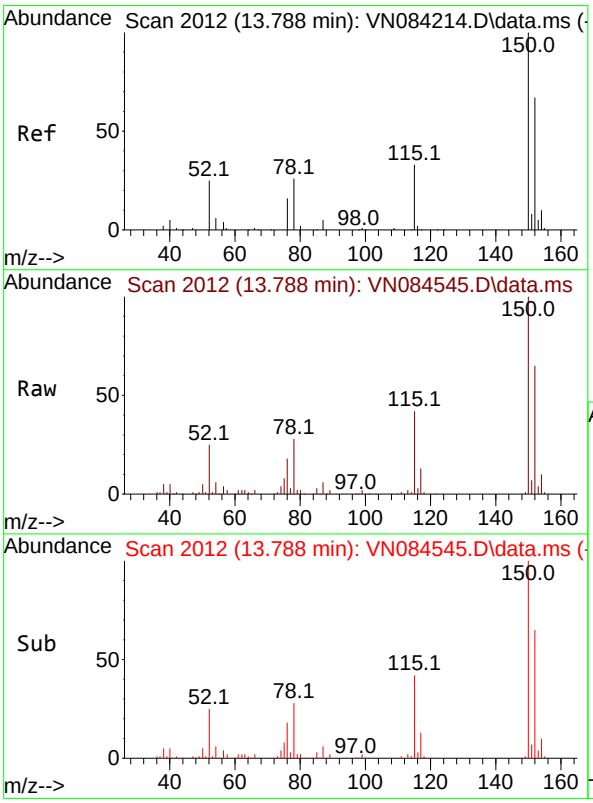
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Tgt Ion:117 Resp: 249132

Ion	Ratio	Lower	Upper
117	100		
82	56.2	47.2	70.8
119	31.0	25.4	38.0

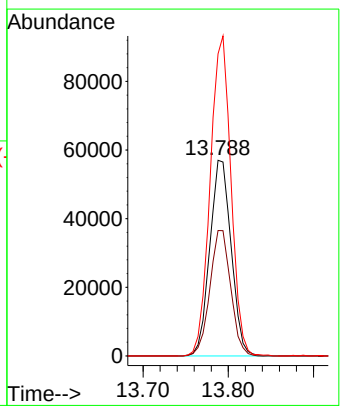




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084545.D
Acq: 28 Oct 2024 17:29

Tgt Ion:152 Resp: 99614

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	158.7	0.0	349.8



Sample Results: **VN084545.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084545.D
Acq On : 28 Oct 2024 17:29
Operator : JC\MD
Sample : P4550-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084545.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	19	22	26	rVB	9465	12931	1.42%	0.274%
2	2.665	114	121	127	rBV3	4096	9694	1.06%	0.205%
3	4.718	458	470	479	rVB2	5467	16564	1.82%	0.351%
4	8.165	1047	1056	1061	rBV	132842	325152	35.69%	6.884%
5	8.224	1061	1066	1081	rVB	229505	502155	55.12%	10.632%
6	8.577	1117	1126	1141	rBV	143576	327306	35.93%	6.930%
7	9.100	1206	1215	1229	rBV	334427	676125	74.22%	14.315%
8	10.565	1456	1464	1480	rBV	494350	911014	100.00%	19.288%
9	11.865	1677	1685	1696	rBV	441440	768578	84.37%	16.273%
10	12.847	1845	1852	1861	rBV	328185	555303	60.95%	11.757%
11	13.794	2005	2013	2021	rBV	357234	618281	67.87%	13.091%

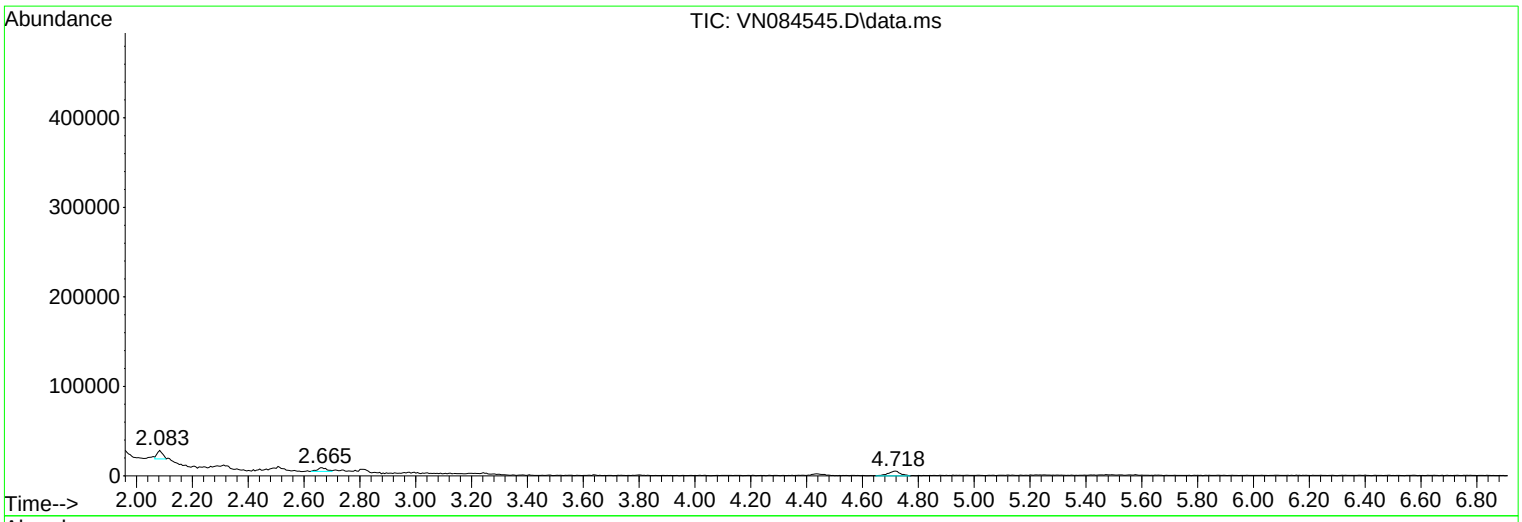
Sum of corrected areas: 4723103

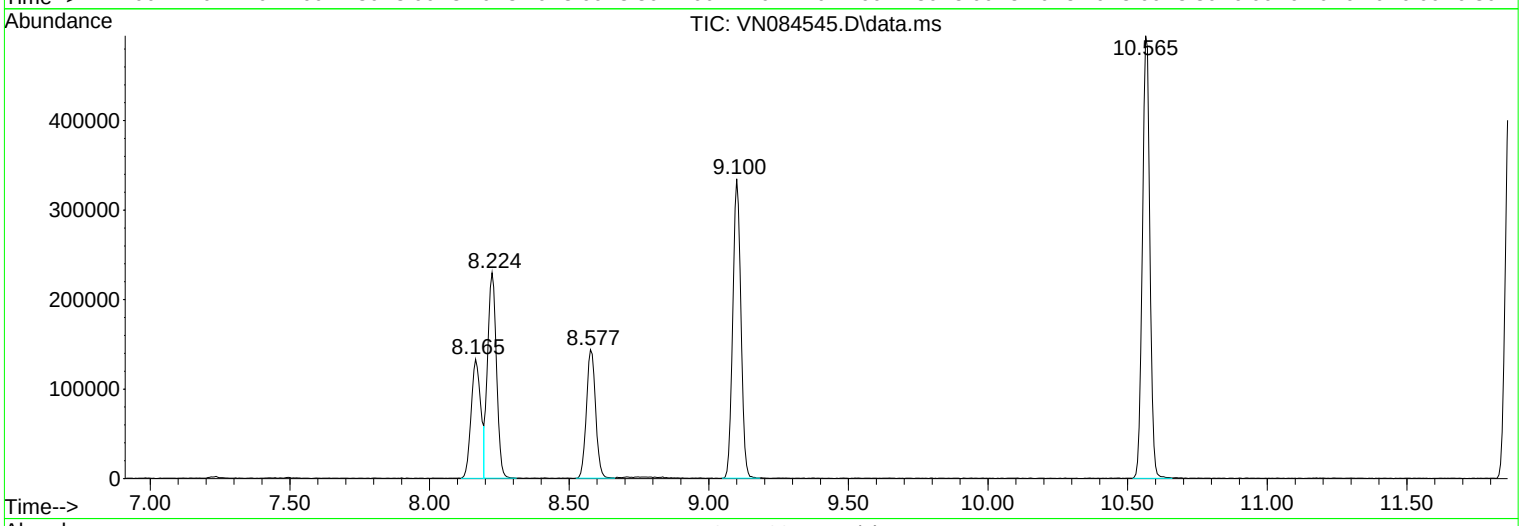
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084545.D
Acq On : 28 Oct 2024 17:29
Operator : JC\MD
Sample : P4550-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

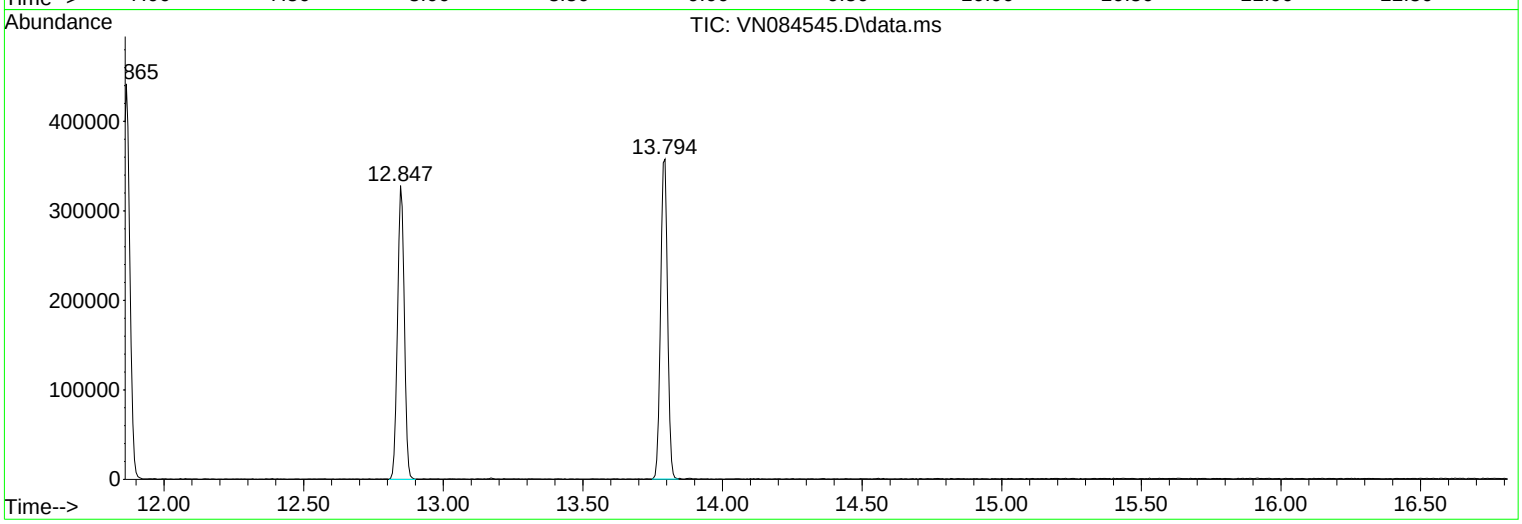
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084545.D
Acq On : 28 Oct 2024 17:29
Operator : JC\MD
Sample : P4550-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084545.D
Acq On : 28 Oct 2024 17:29
Operator : JC\MD
Sample : P4550-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-318-320

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340	SDG No.:	P4550
Lab Sample ID:	P4550-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084539.D	1		10/28/24 15:05	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340	SDG No.:	P4550
Lab Sample ID:	P4550-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084539.D	1		10/28/24 15:05	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	8.224				
540-36-3	1,4-Difluorobenzene	267000	9.1				
3114-55-4	Chlorobenzene-d5	231000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	94500	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340	SDG No.:	P4550
Lab Sample ID:	P4550-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084539.D	1		10/28/24 15:05	VN102824

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

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\VN102824\
Data File : VN084539.D
Acq On : 28 Oct 2024 15:05
Operator : JC\MD
Sample : P4550-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Quant Time: Oct 28 18:34:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

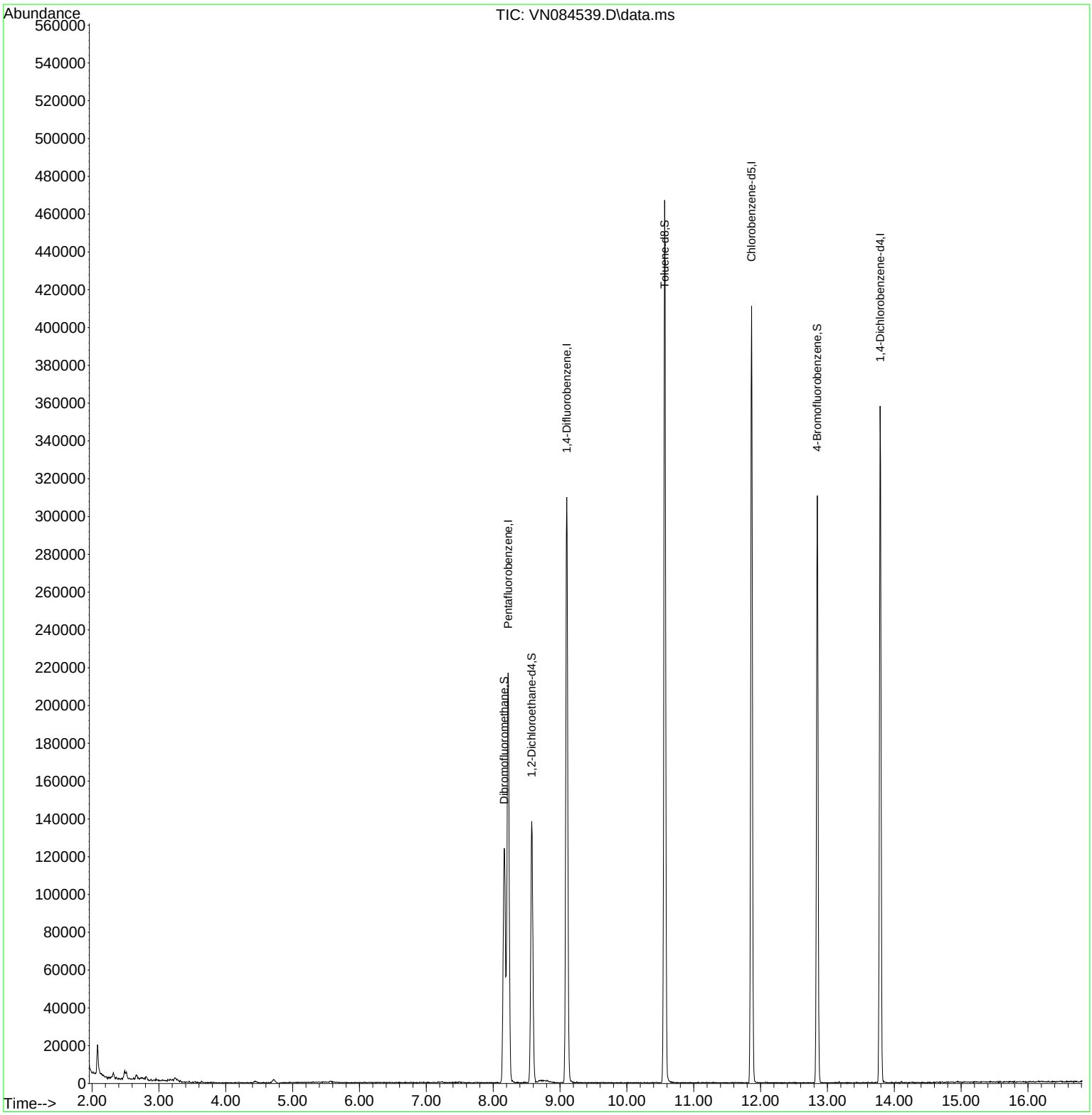
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113726	50.863	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.720%			
35) Dibromofluoromethane	8.165	113	91484	51.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	10.565	98	319558	49.254	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.847	95	107270	45.384	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.760%			
Target Compounds						Qvalue

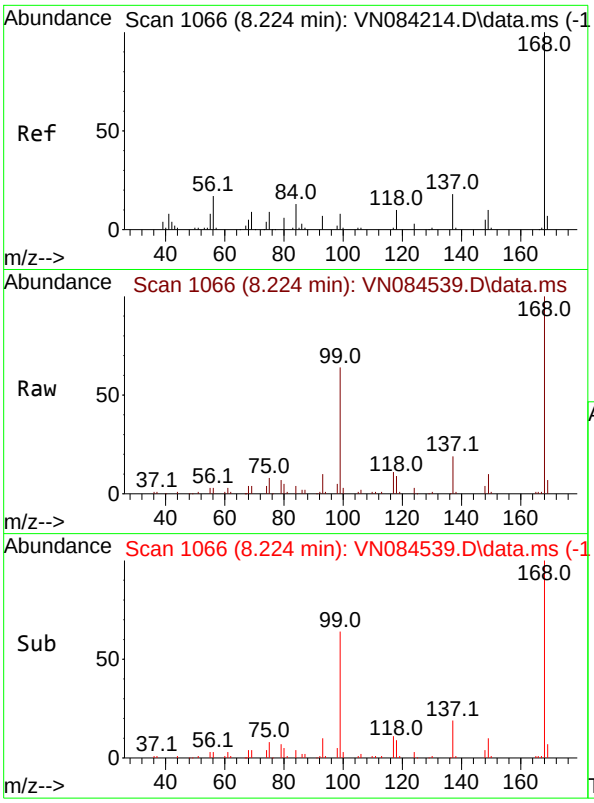
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084539.D
Acq On : 28 Oct 2024 15:05
Operator : JC\MD
Sample : P4550-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Quant Time: Oct 28 18:34:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



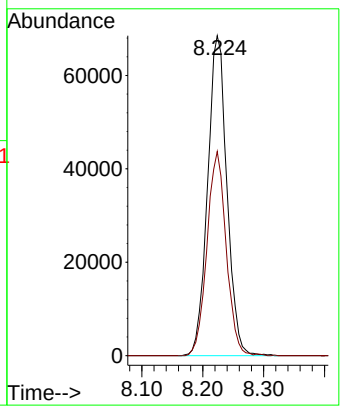


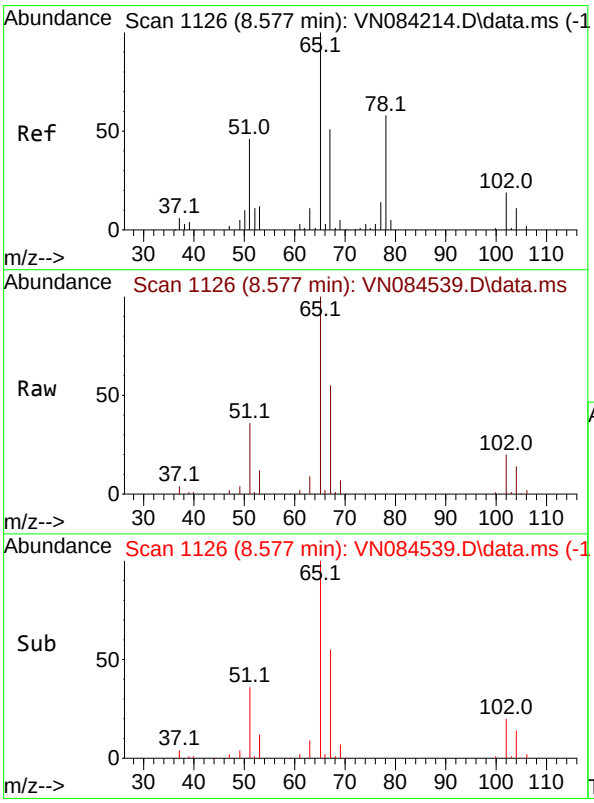
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Tgt Ion:168 Resp: 150803

Ion	Ratio	Lower	Upper
168	100		
99	63.8	54.2	81.2

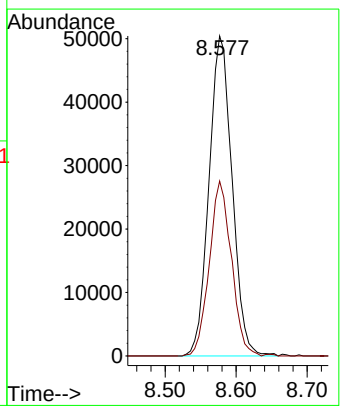


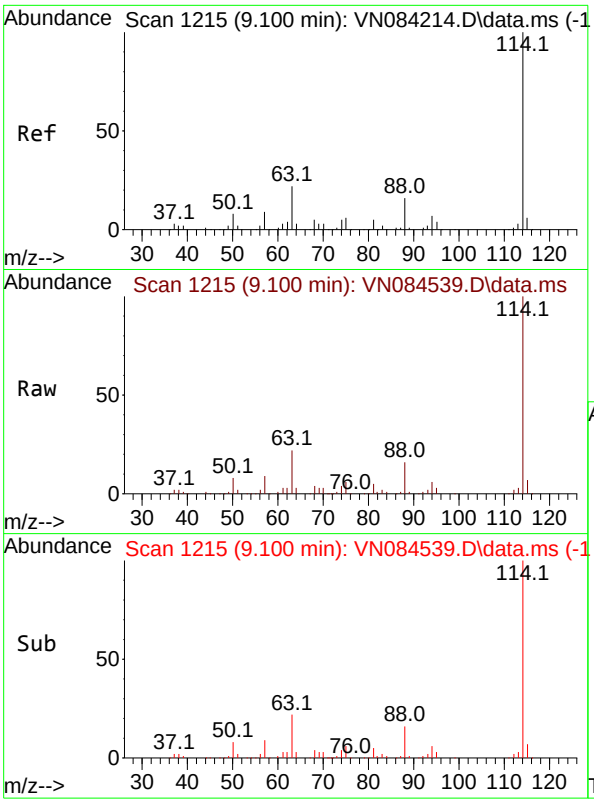


#33
1,2-Dichloroethane-d4
Concen: 50.863 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Tgt Ion: 65 Resp: 113726

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0



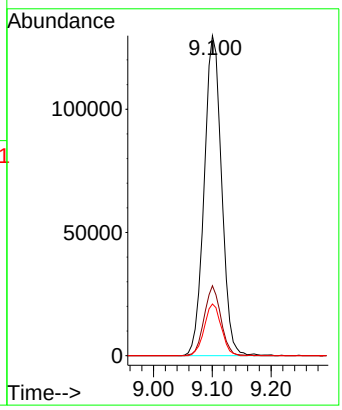


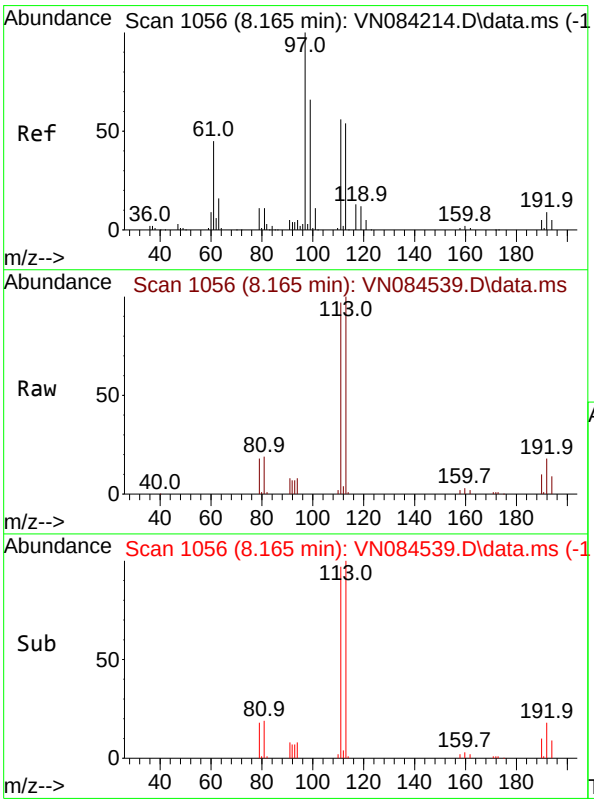
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Tgt Ion:114 Resp: 267490

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.1	0.0	31.6

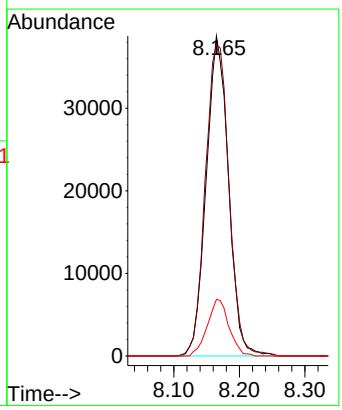


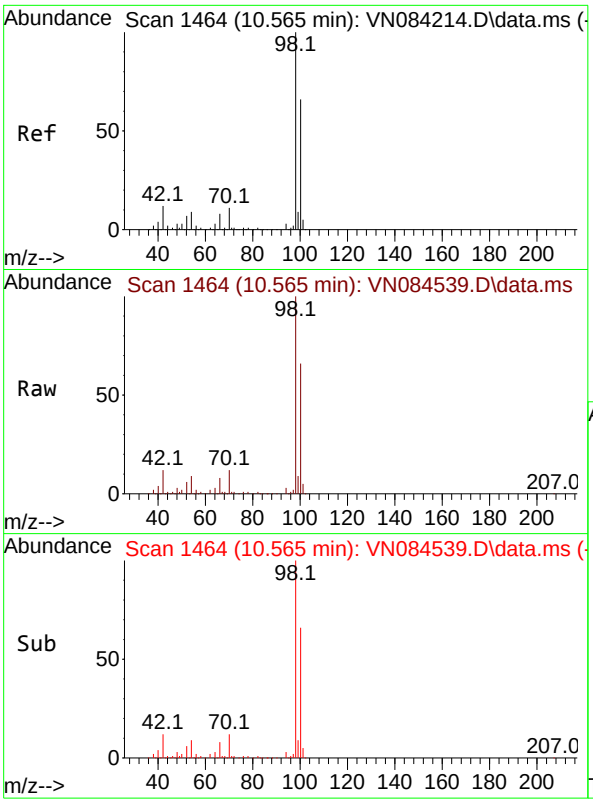


#35
Dibromofluoromethane
Concen: 51.878 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Tgt Ion:113 Resp: 91484

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	17.2	13.5	20.3



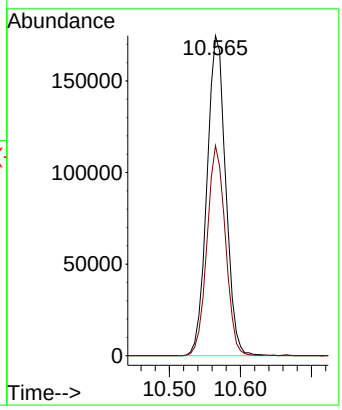


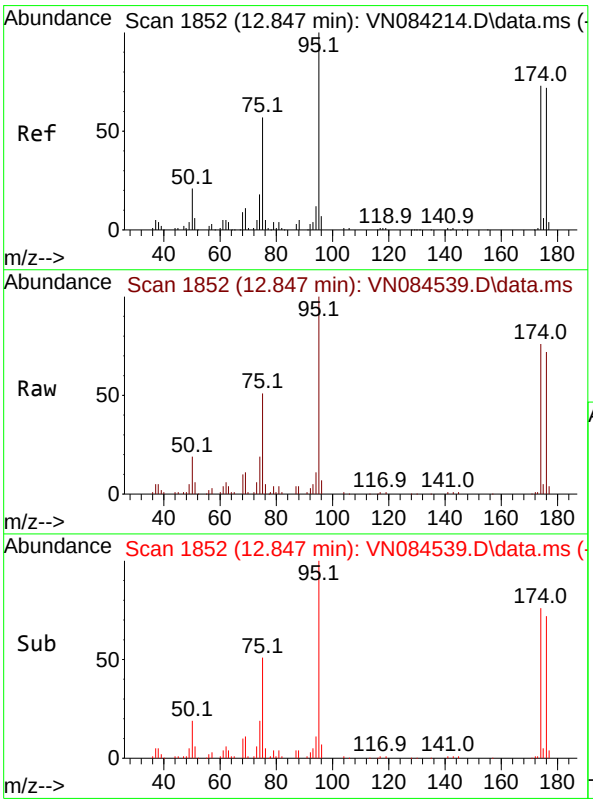
#50
Toluene-d8
Concen: 49.254 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Tgt Ion: 98 Resp: 319558

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.7	79.1

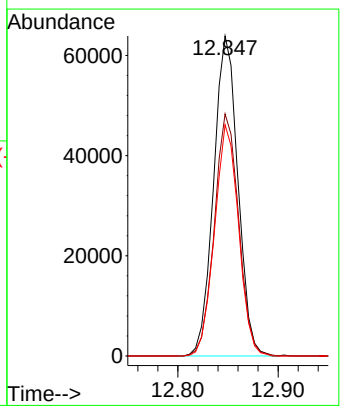


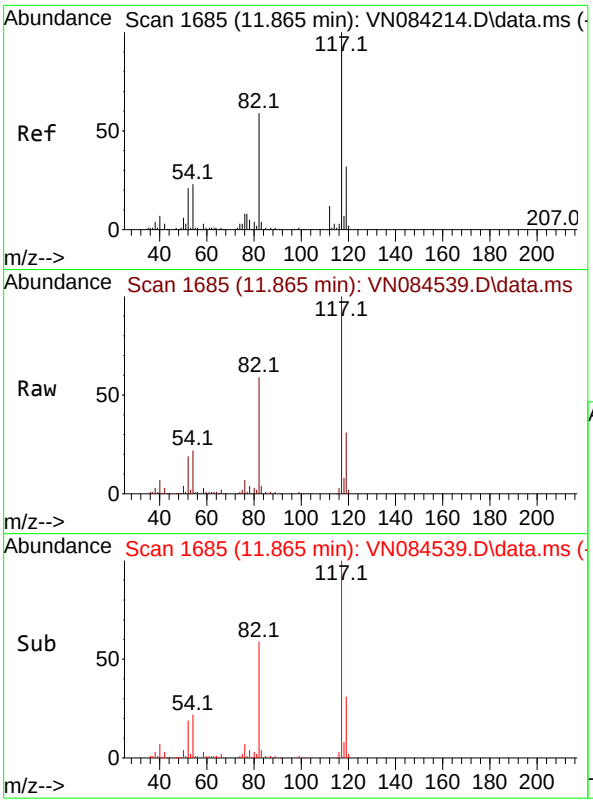


#62
4-Bromofluorobenzene
Concen: 45.384 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Tgt Ion: 95 Resp: 107270

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	145.2
176	71.6	0.0	140.0



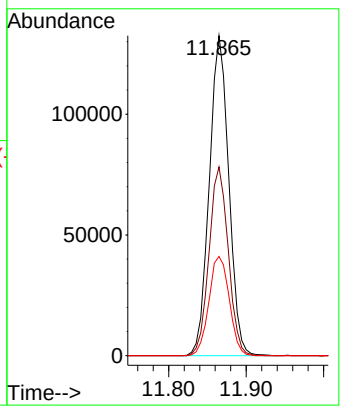


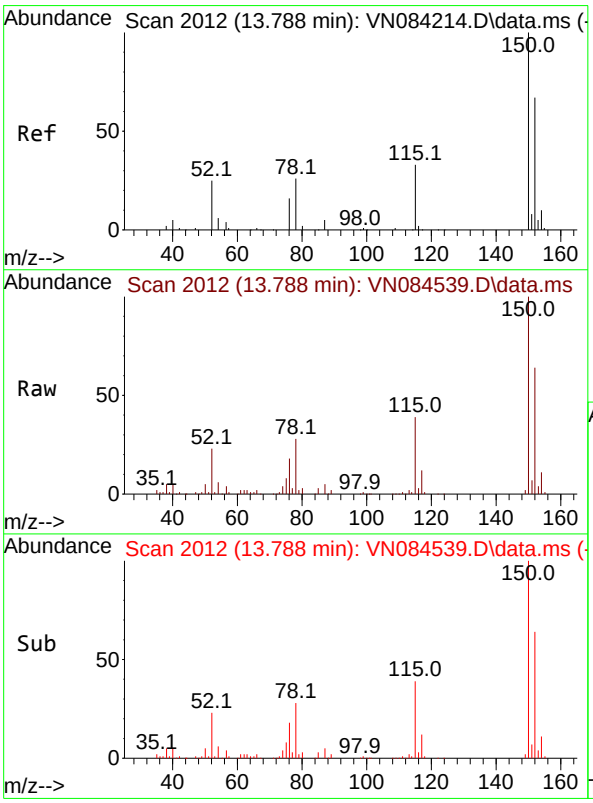
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Tgt Ion:117 Resp: 231312

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.0	25.4	38.0

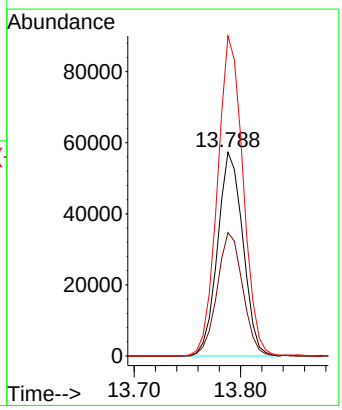




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084539.D
Acq: 28 Oct 2024 15:05

Tgt Ion:152 Resp: 94475

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.3	93.9
150	158.7	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084539.D
Acq On : 28 Oct 2024 15:05
Operator : JC\MD
Sample : P4550-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084539.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	18	22	36	rVB	16545	28076	3.31%	0.636%
2	8.165	1046	1056	1060	rBV2	124270	287620	33.95%	6.515%
3	8.224	1060	1066	1076	rVB	216315	483883	57.12%	10.960%
4	8.577	1117	1126	1136	rBV	138318	308981	36.48%	6.998%
5	9.100	1206	1215	1225	rBV	309673	632944	74.72%	14.336%
6	10.565	1455	1464	1477	rBV	467000	847085	100.00%	19.187%
7	11.865	1677	1685	1698	rBV	411023	720120	85.01%	16.311%
8	12.847	1845	1852	1861	rBV	310824	520118	61.40%	11.781%
9	13.788	2005	2012	2020	rBV	358087	586177	69.20%	13.277%

Sum of corrected areas: 4415004

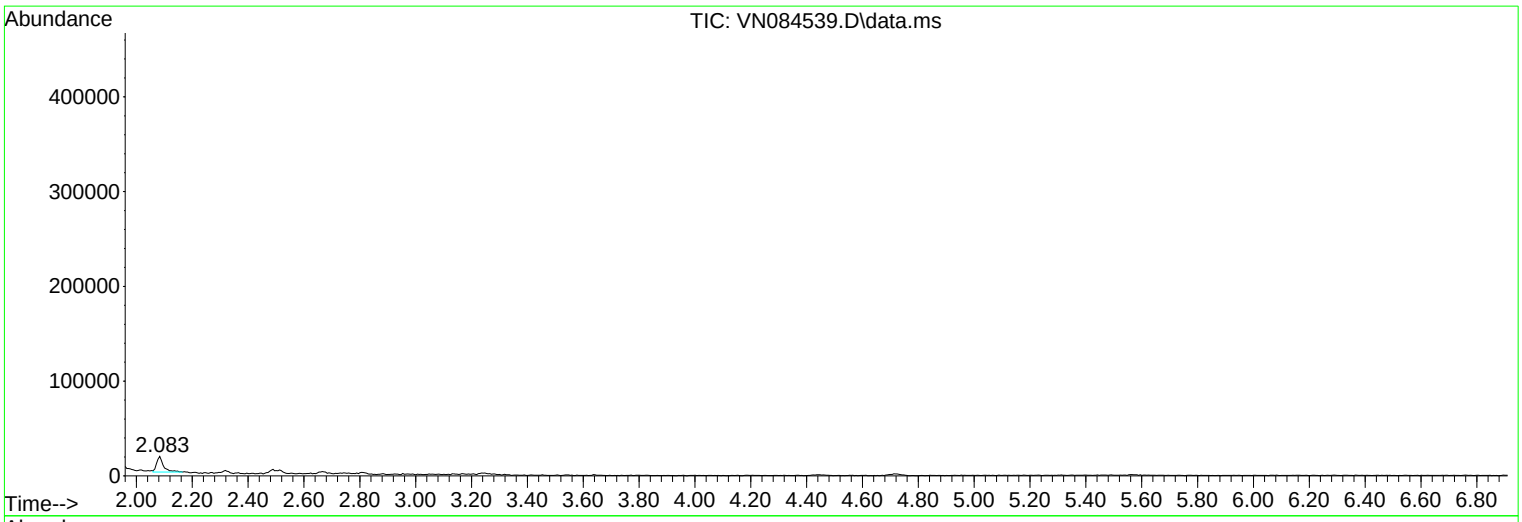
Sample Results: **VN084539.D**

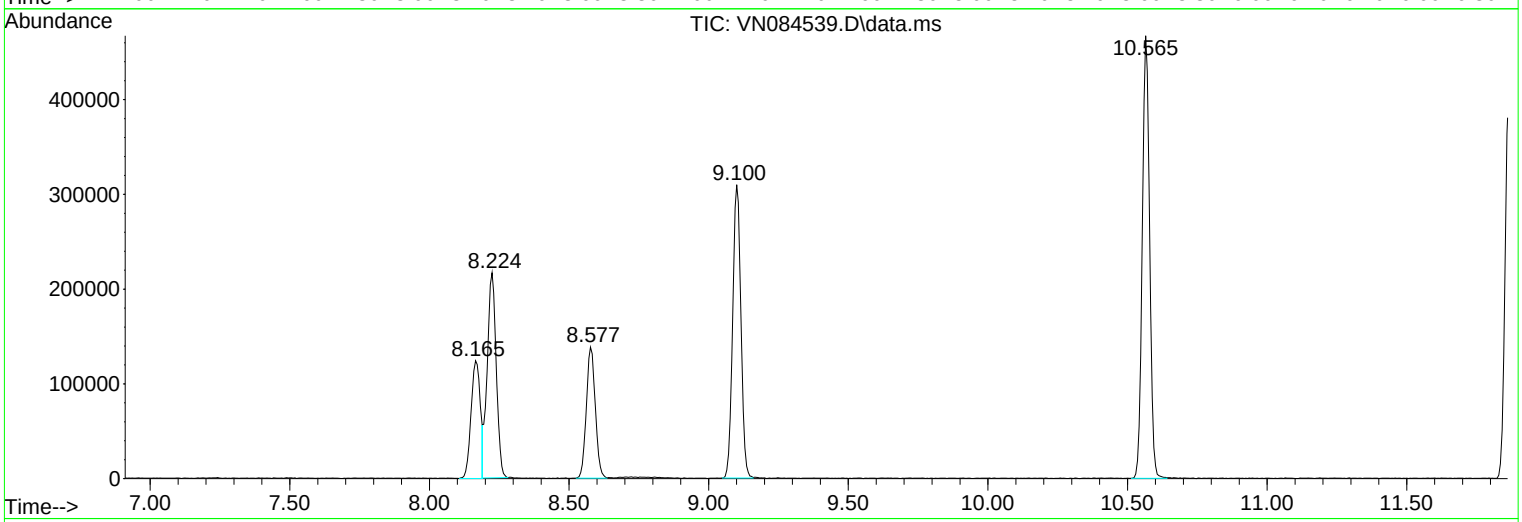
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084539.D
Acq On : 28 Oct 2024 15:05
Operator : JC\MD
Sample : P4550-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

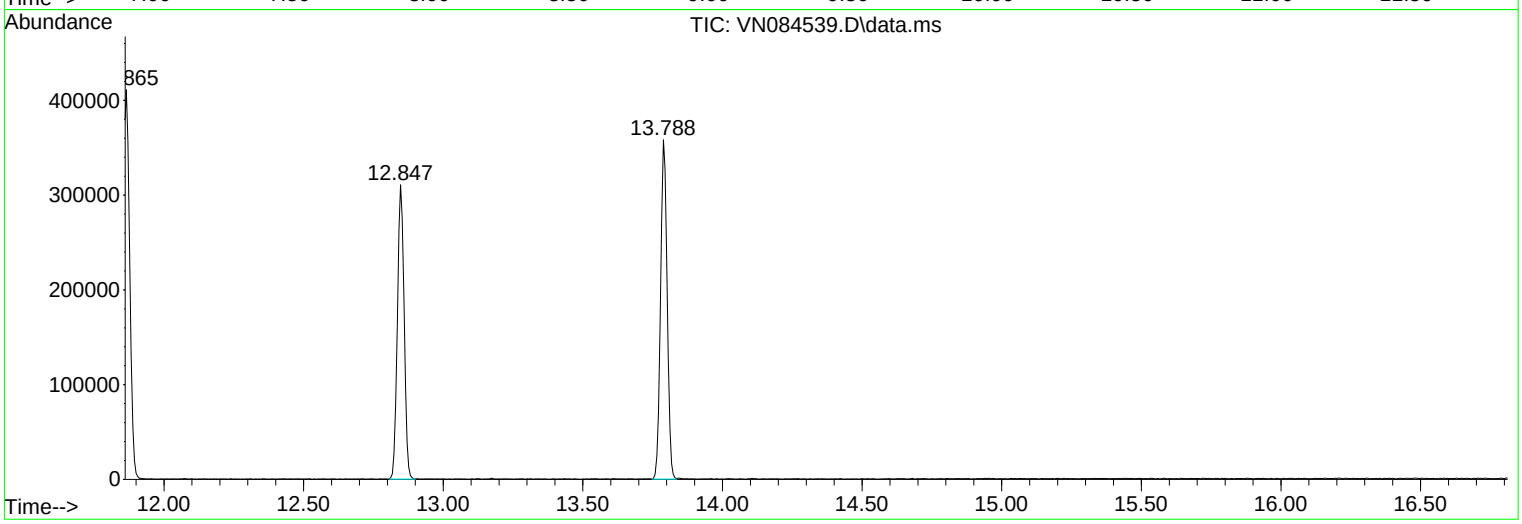
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084539.D
Acq On : 28 Oct 2024 15:05
Operator : JC\MD
Sample : P4550-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084539.D
Acq On : 28 Oct 2024 15:05
Operator : JC\MD
Sample : P4550-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-358-360	SDG No.:	P4550
Lab Sample ID:	P4550-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084535.D	1		10/28/24 13:30	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-358-360	SDG No.:	P4550
Lab Sample ID:	P4550-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084535.D	1		10/28/24 13:30	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.0		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		85 - 114		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	8.224				
540-36-3	1,4-Difluorobenzene	300000	9.1				
3114-55-4	Chlorobenzene-d5	254000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-358-360	SDG No.:	P4550
Lab Sample ID:	P4550-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084535.D	1		10/28/24 13:30	VN102824

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

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\VN102824\
Data File : VN084535.D
Acq On : 28 Oct 2024 13:30
Operator : JC\MD
Sample : P4550-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Quant Time: Oct 28 14:15:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

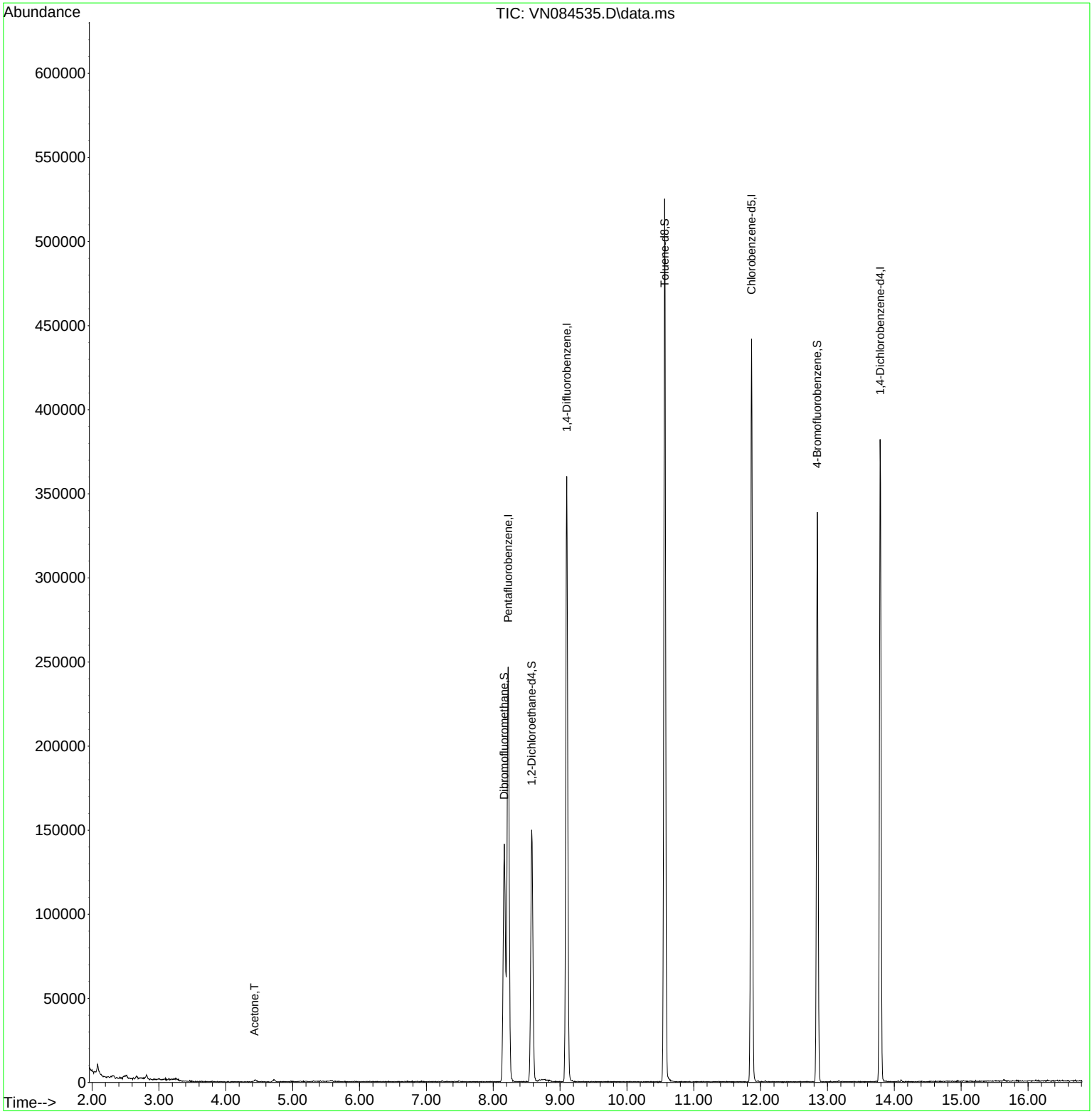
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	123664	48.027	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.060%			
35) Dibromofluoromethane	8.165	113	101491	51.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	10.565	98	358812	49.291	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.847	95	117336	44.245	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.480%			
Target Compounds						Qvalue
16) Acetone	4.430	43	2116	1.913	ug/l	96

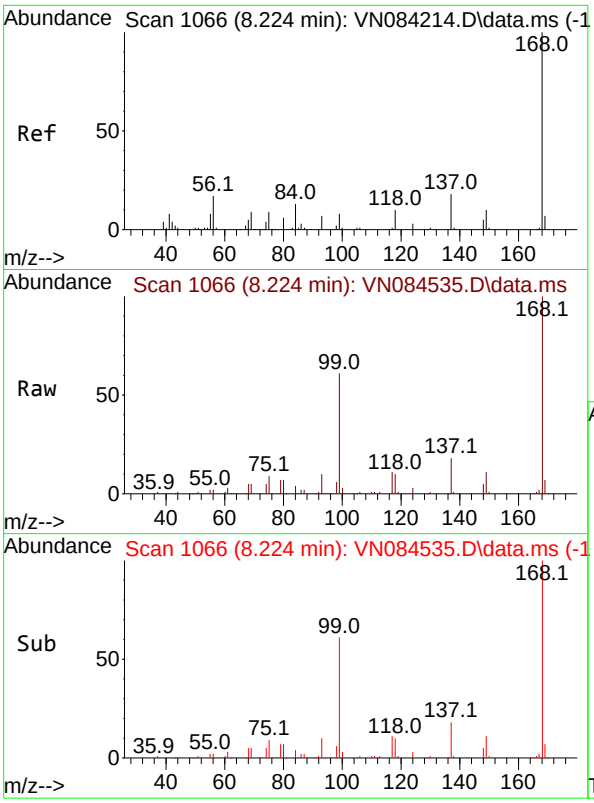
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084535.D
Acq On : 28 Oct 2024 13:30
Operator : JC\MD
Sample : P4550-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Quant Time: Oct 28 14:15:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



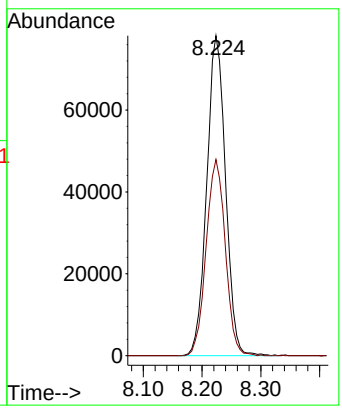


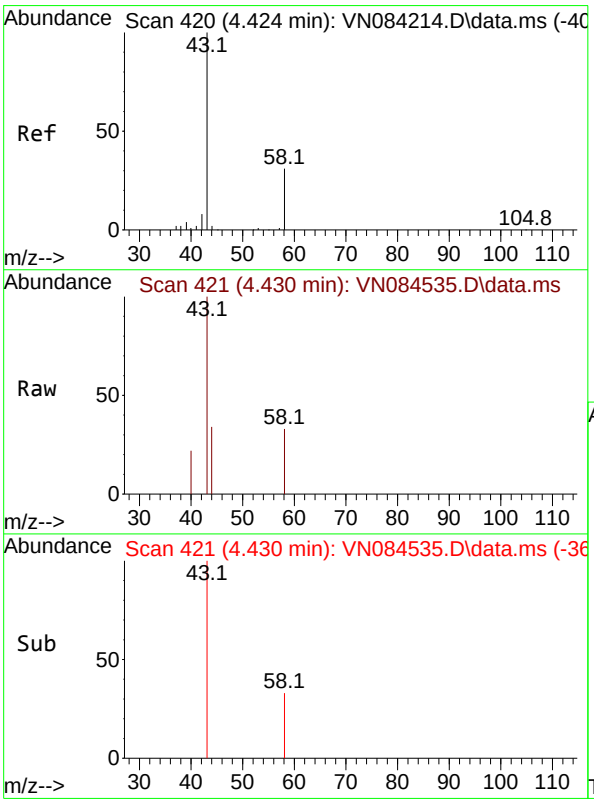
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Tgt Ion:168 Resp: 173665

Ion	Ratio	Lower	Upper
168	100		
99	61.3	54.2	81.2

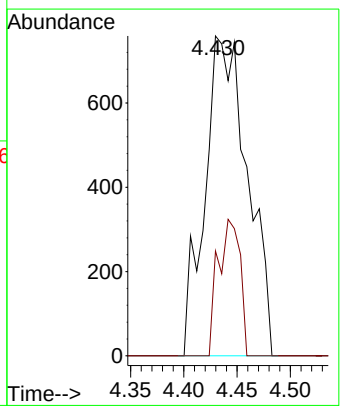


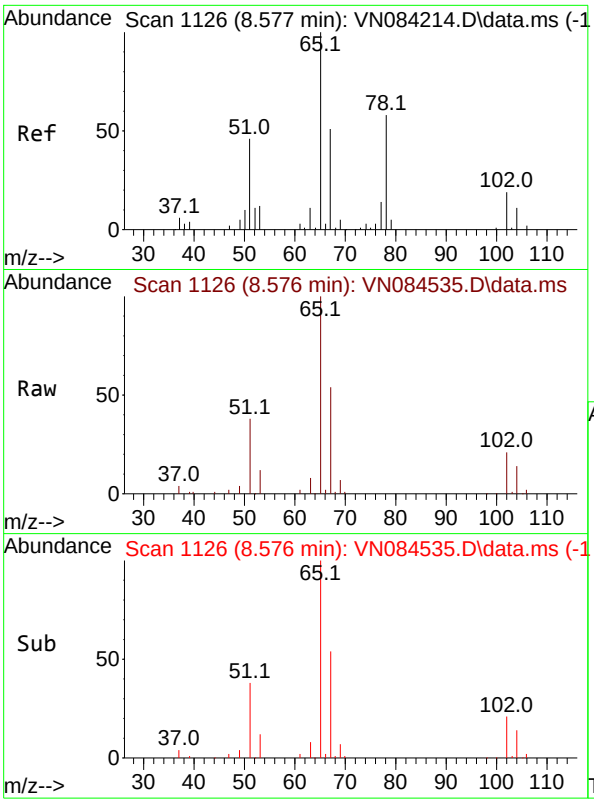


#16
Acetone
Concen: 1.913 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Tgt Ion: 43 Resp: 2116

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6



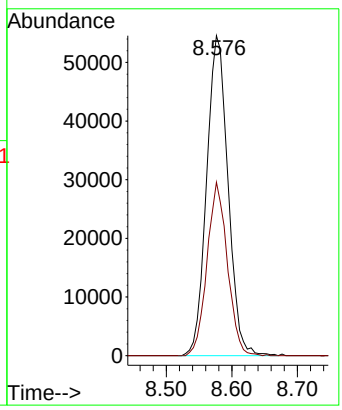


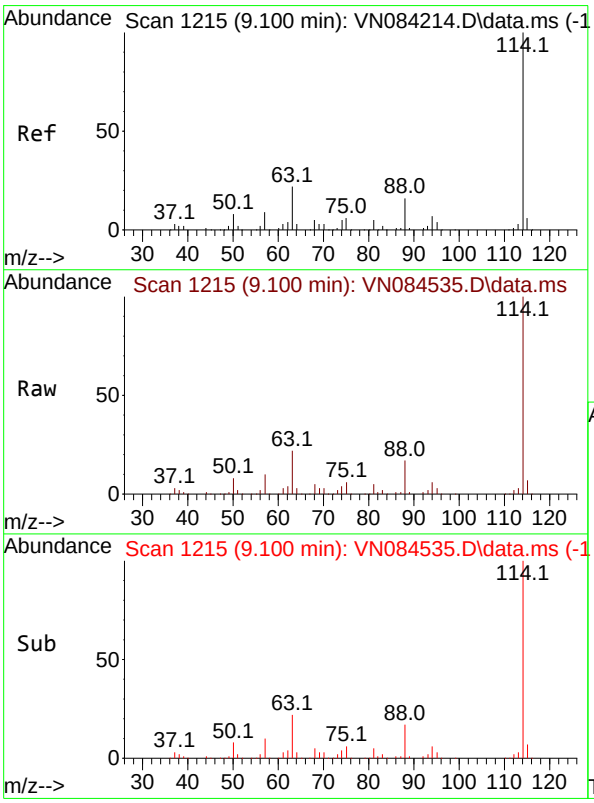
#33
1,2-Dichloroethane-d4
Concen: 48.027 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Tgt Ion: 65 Resp: 123664

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

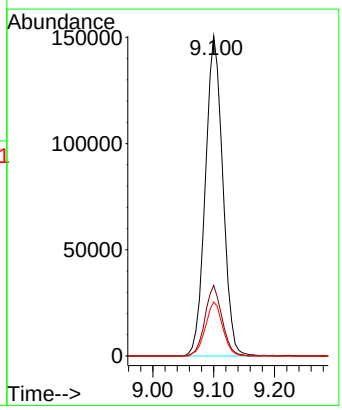


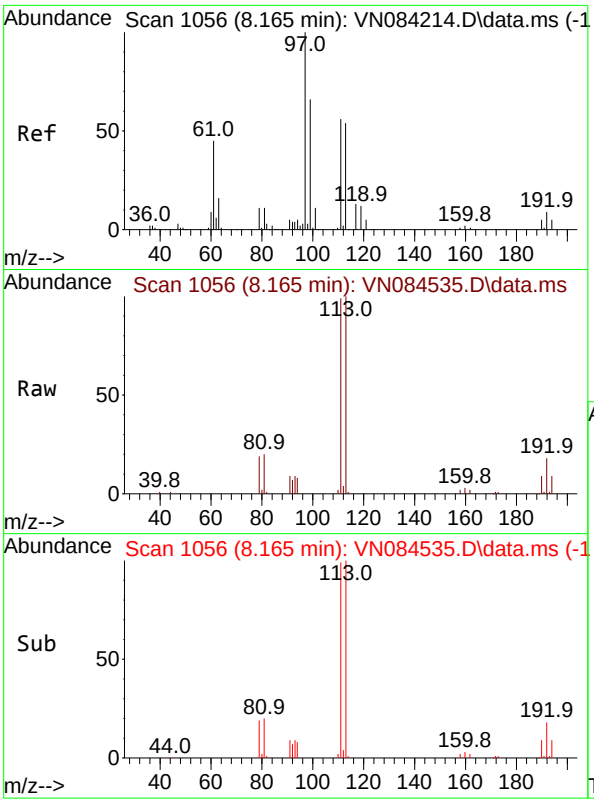


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Tgt Ion:114 Resp: 300123

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.9	0.0	31.6



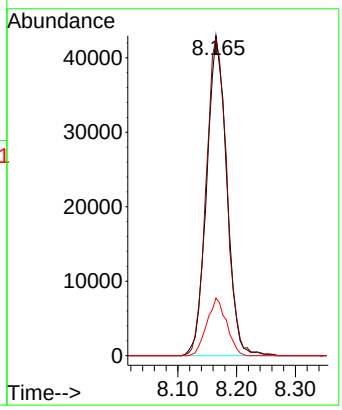


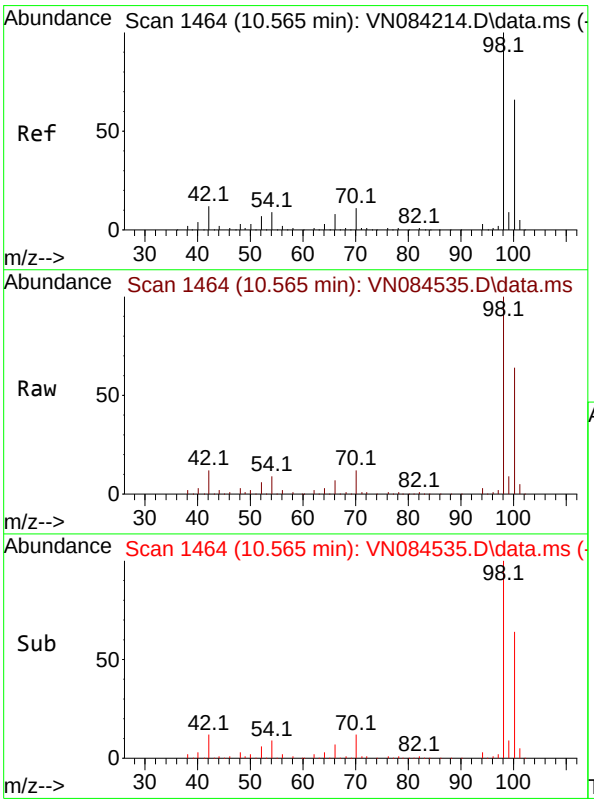
#35
Dibromofluoromethane
Concen: 51.294 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Tgt Ion:113 Resp: 101491

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.3	124.9
192	17.8	13.5	20.3

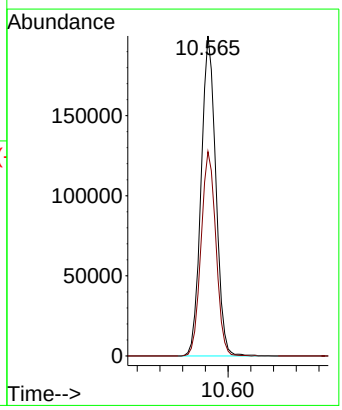


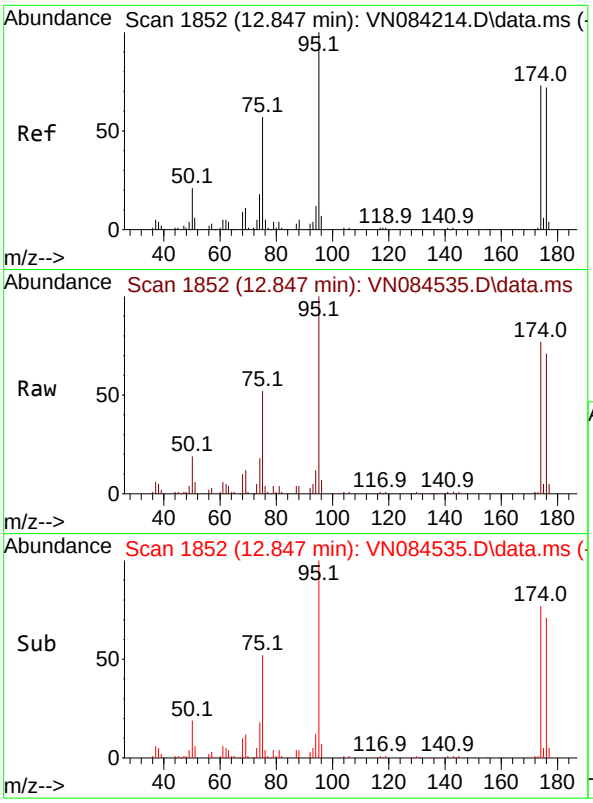


#50
Toluene-d8
Concen: 49.291 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Tgt Ion: 98 Resp: 358812

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.7	79.1



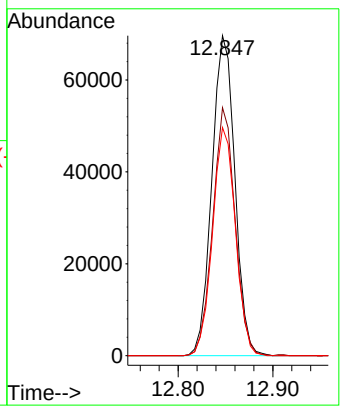


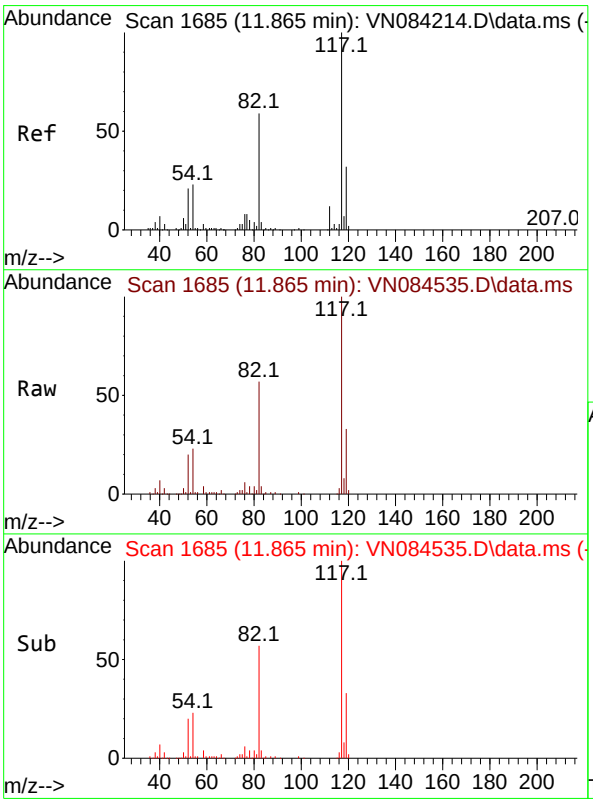
#62
4-Bromofluorobenzene
Concen: 44.245 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Tgt Ion: 95 Resp: 117336

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	145.2
176	70.9	0.0	140.0

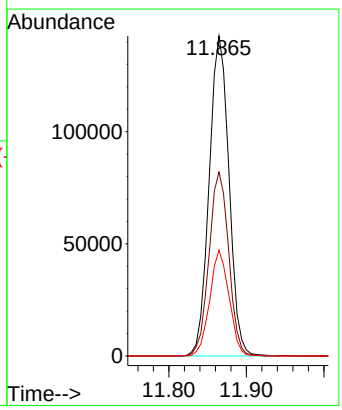


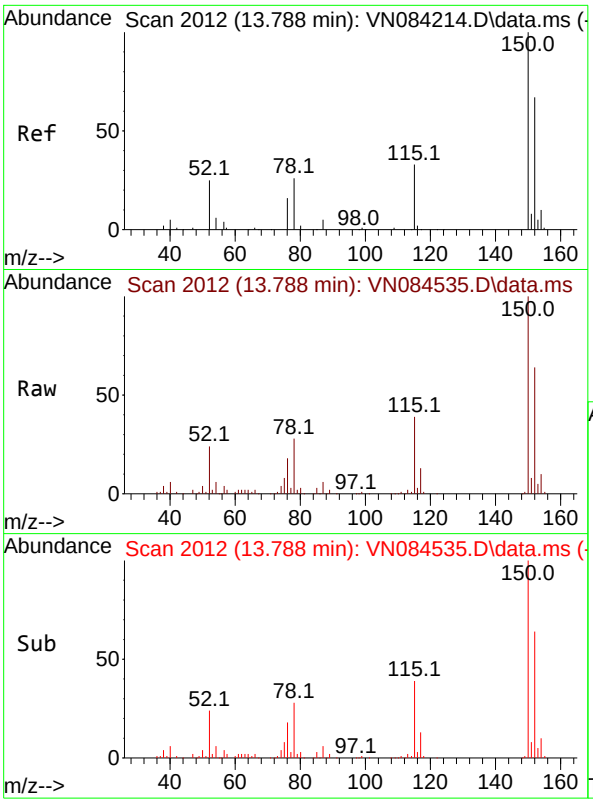


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Tgt Ion:117 Resp: 253646

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	33.1	25.4	38.0



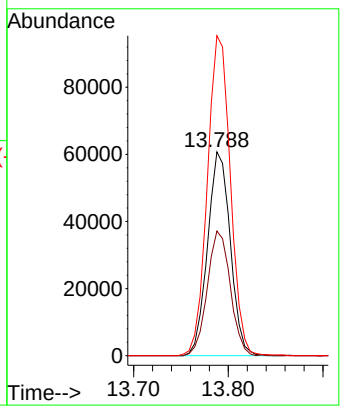


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084535.D
Acq: 28 Oct 2024 13:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Tgt Ion:152 Resp: 101148

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	159.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084535.D
Acq On : 28 Oct 2024 13:30
Operator : JC\MD
Sample : P4550-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084535.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	18	22	30	rVB3	6135	10958	1.15%	0.225%
2	8.165	1046	1056	1061	rBV	141539	340730	35.83%	6.996%
3	8.224	1061	1066	1078	rVB	246414	534317	56.18%	10.970%
4	8.576	1116	1126	1137	rBV	149741	338853	35.63%	6.957%
5	9.100	1206	1215	1227	rBV	359876	713701	75.05%	14.653%
6	10.565	1454	1464	1480	rBV	525214	951005	100.00%	19.525%
7	11.865	1676	1685	1698	rBV	441807	785580	82.61%	16.129%
8	12.847	1844	1852	1861	rBV	338672	563621	59.27%	11.572%
9	13.788	2004	2012	2022	rBV	382149	631851	66.44%	12.973%

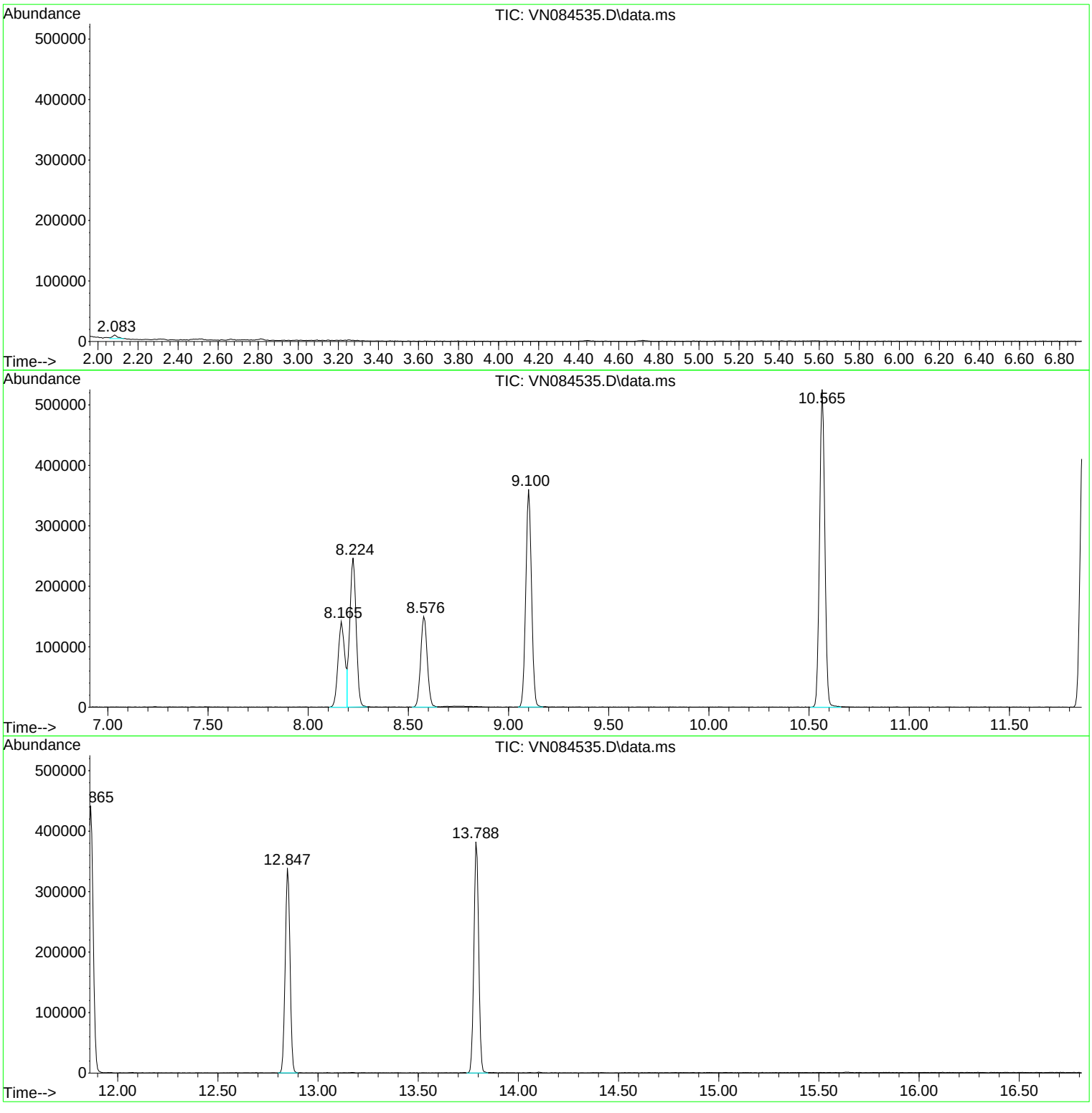
Sum of corrected areas: 4870616

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084535.D
Acq On : 28 Oct 2024 13:30
Operator : JC\MD
Sample : P4550-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084535.D
Acq On : 28 Oct 2024 13:30
Operator : JC\MD
Sample : P4550-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084535.D
Acq On : 28 Oct 2024 13:30
Operator : JC\MD
Sample : P4550-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-358-360

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-378-380	SDG No.:	P4550
Lab Sample ID:	P4550-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084536.D	1		10/28/24 13:53	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-378-380	SDG No.:	P4550
Lab Sample ID:	P4550-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084536.D	1		10/28/24 13:53	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.2		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	286000	9.1				
3114-55-4	Chlorobenzene-d5	248000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-378-380	SDG No.:	P4550
Lab Sample ID:	P4550-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084536.D	1		10/28/24 13:53	VN102824

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

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\VN102824\
Data File : VN084536.D
Acq On : 28 Oct 2024 13:53
Operator : JC\MD
Sample : P4550-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Quant Time: Oct 28 14:15:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

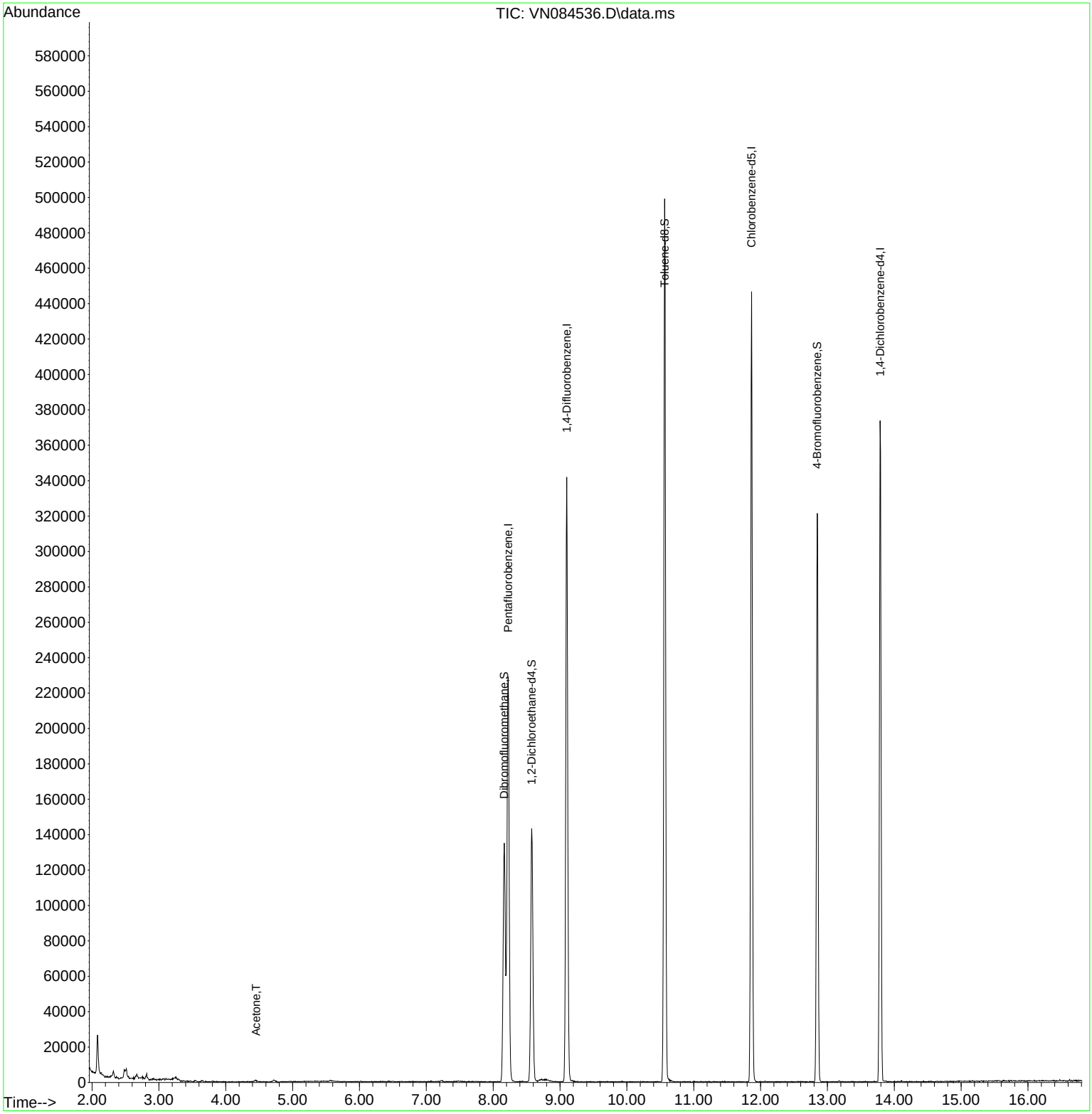
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118873	49.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.440%			
35) Dibromofluoromethane	8.165	113	97693	51.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	10.565	98	344563	49.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.847	95	114018	45.109	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.220%			
Target Compounds						Qvalue
16) Acetone	4.454	43	1964	1.893	ug/l #	44

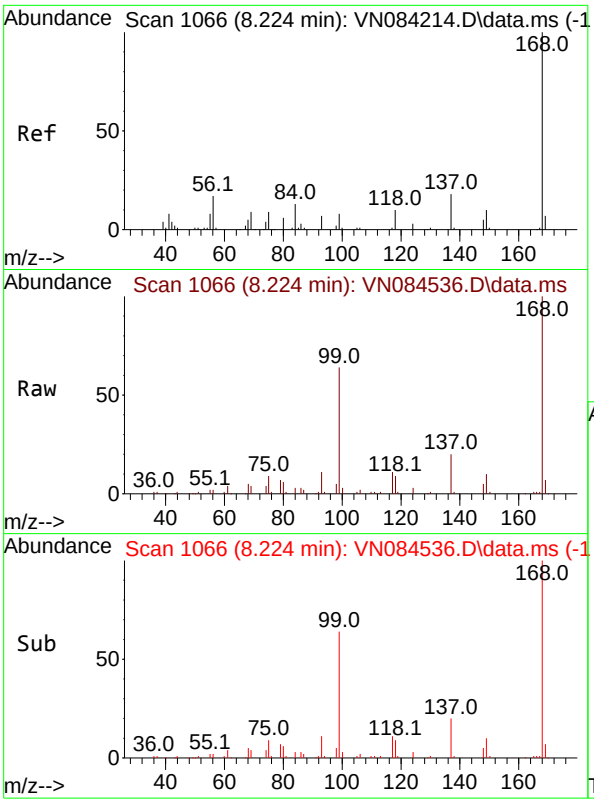
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084536.D
Acq On : 28 Oct 2024 13:53
Operator : JC\MD
Sample : P4550-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Quant Time: Oct 28 14:15:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



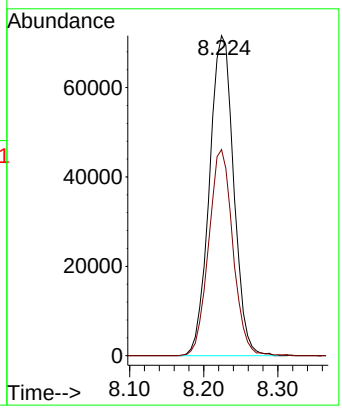


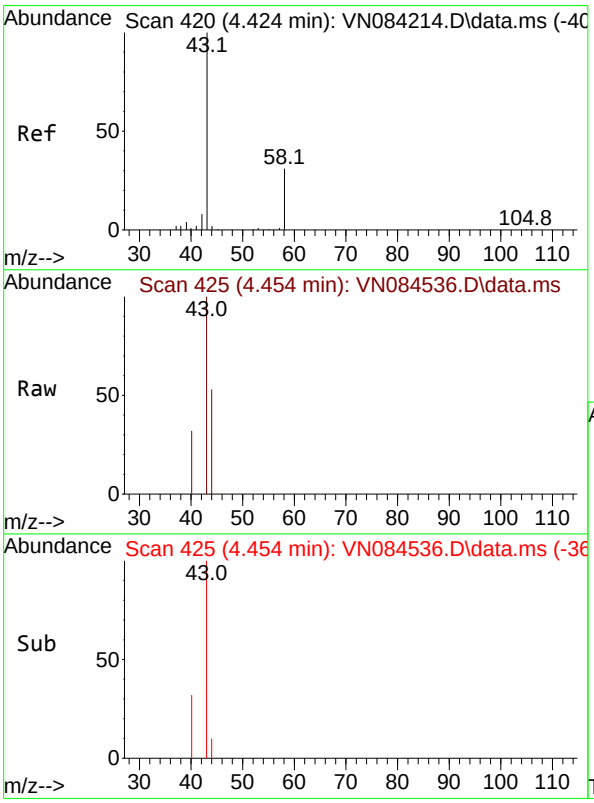
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Tgt Ion:168 Resp: 162900

Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2

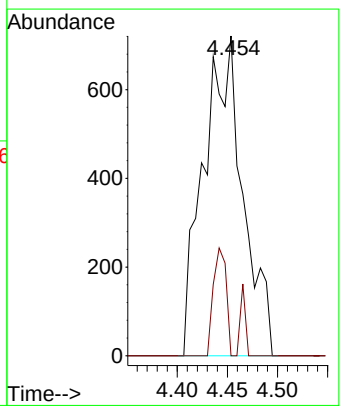


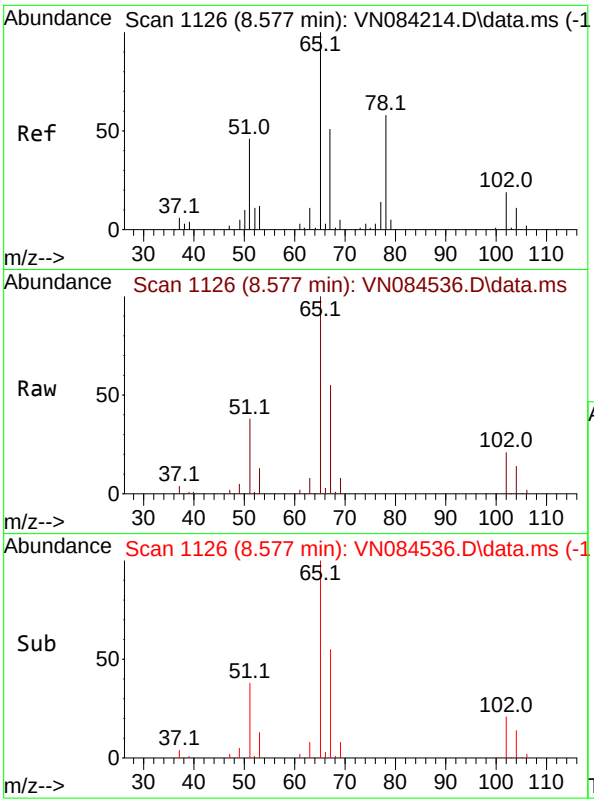


#16
Acetone
Concen: 1.893 ug/l
RT: 4.454 min Scan# 425
Delta R.T. 0.030 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Tgt Ion: 43 Resp: 1964

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	36.6#



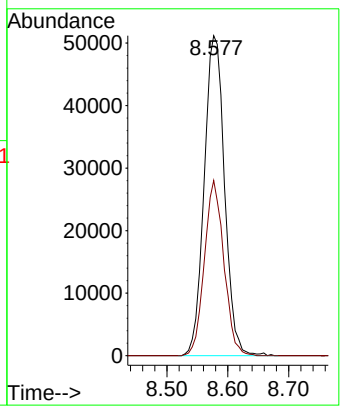


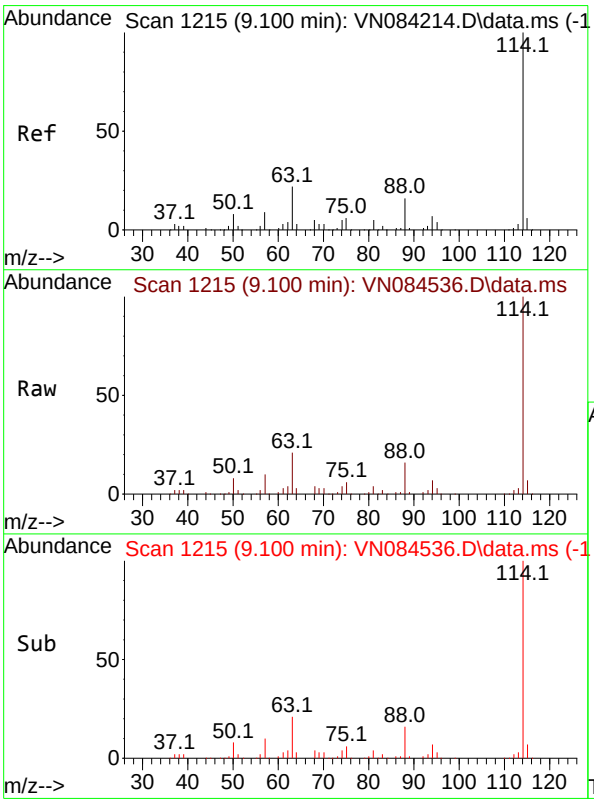
#33
1,2-Dichloroethane-d4
Concen: 49.217 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Tgt Ion: 65 Resp: 118873

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0

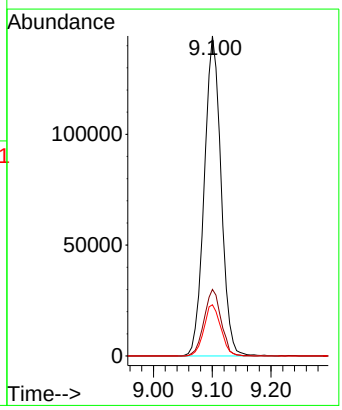


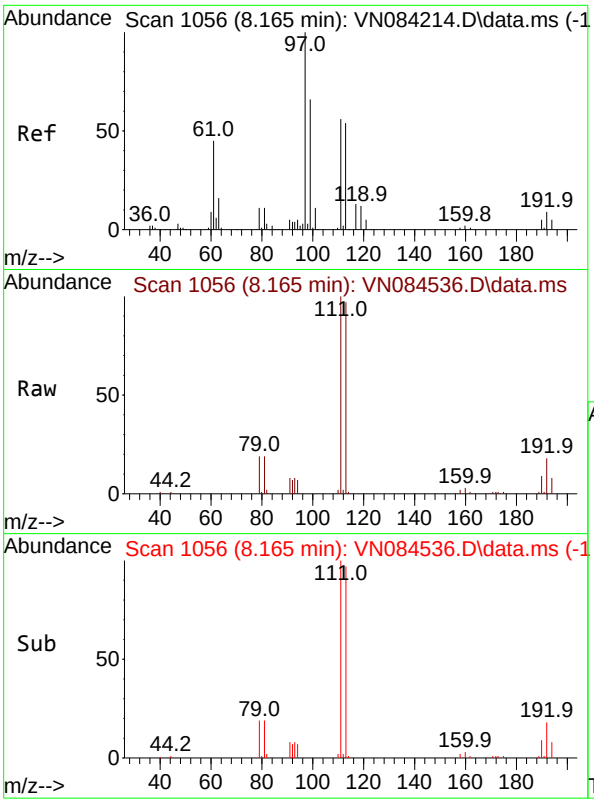


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Tgt Ion:114 Resp: 286048

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.8
88	16.0	0.0	31.6



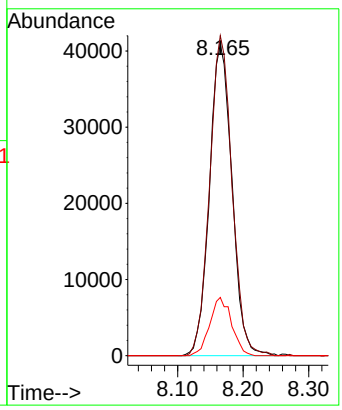


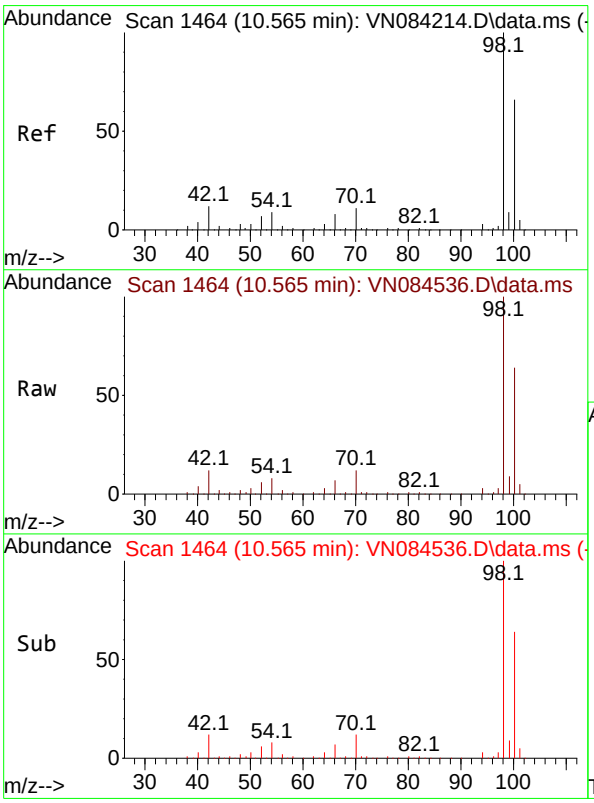
#35
Dibromofluoromethane
Concen: 51.804 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Tgt Ion:113 Resp: 97693

Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.3	124.9
192	18.1	13.5	20.3

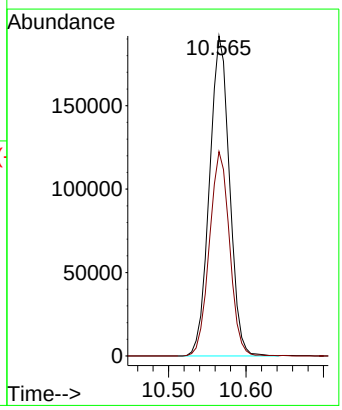


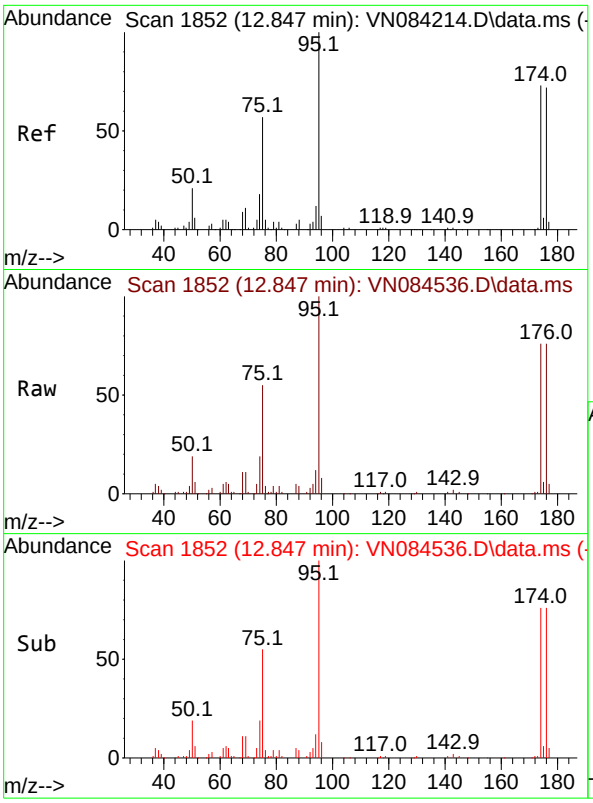


#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Tgt Ion: 98 Resp: 344563

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1



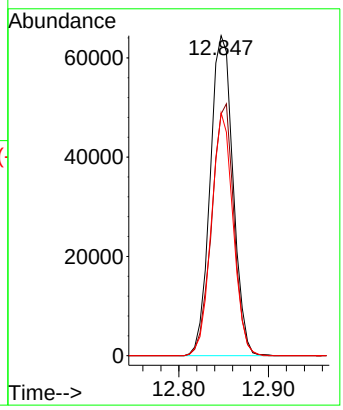


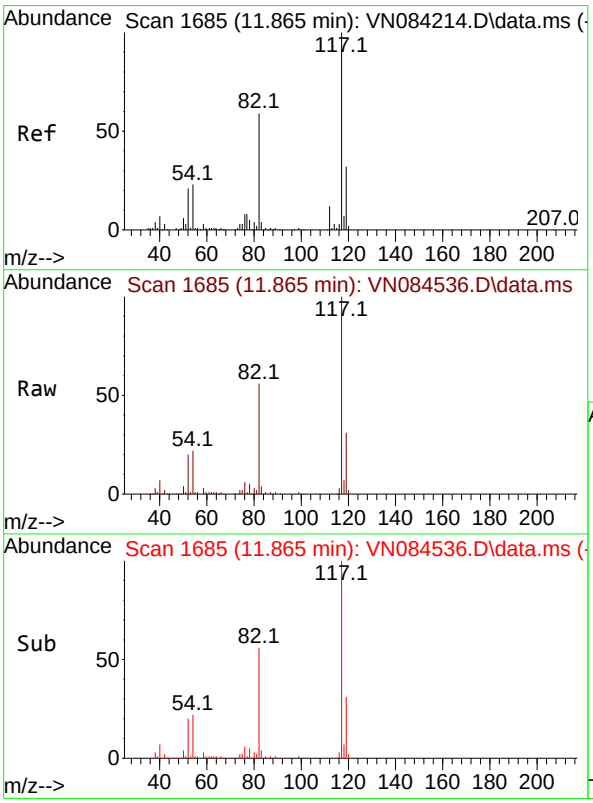
#62
4-Bromofluorobenzene
Concen: 45.109 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Tgt Ion: 95 Resp: 114018

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	72.1	0.0	140.0

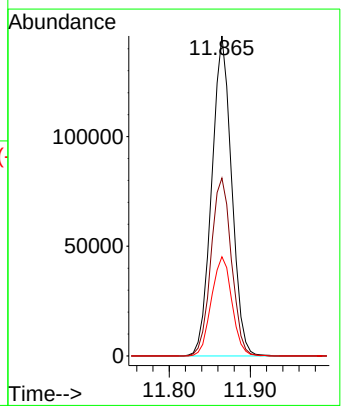


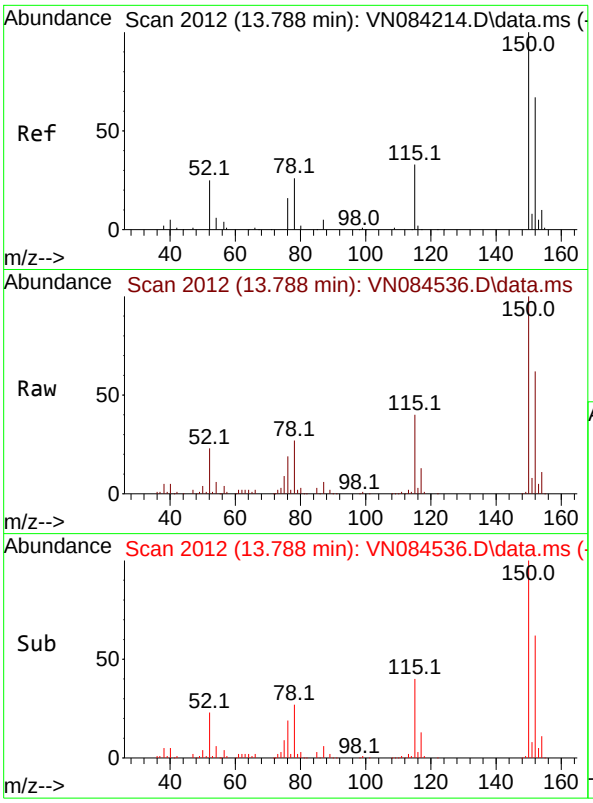


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Tgt Ion:117 Resp: 248436

Ion	Ratio	Lower	Upper
117	100		
82	55.6	47.2	70.8
119	31.0	25.4	38.0



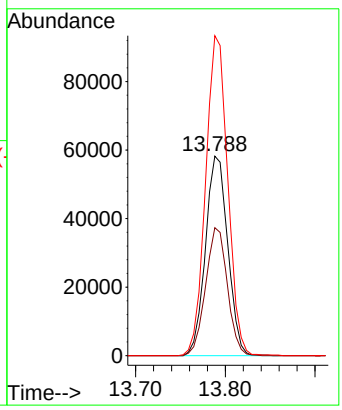


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084536.D
Acq: 28 Oct 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Tgt Ion:152 Resp: 100597

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	158.7	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084536.D
Acq On : 28 Oct 2024 13:53
Operator : JC\MD
Sample : P4550-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084536.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	16	22	29	rVB	21942	32781	3.61%	0.694%
2	8.165	1046	1056	1060	rBV	134726	306137	33.68%	6.482%
3	8.224	1060	1066	1078	rVB	228631	524001	57.65%	11.095%
4	8.577	1115	1126	1139	rBV	143077	327008	35.98%	6.924%
5	9.100	1204	1215	1225	rBV	341684	676889	74.48%	14.332%
6	10.565	1454	1464	1477	rBV	498890	908877	100.00%	19.243%
7	11.865	1677	1685	1696	rBV	446545	768126	84.51%	16.263%
8	12.847	1844	1852	1864	rVB	321438	553963	60.95%	11.729%
9	13.788	2005	2012	2020	rBV	373298	625276	68.80%	13.239%

Sum of corrected areas: 4723058

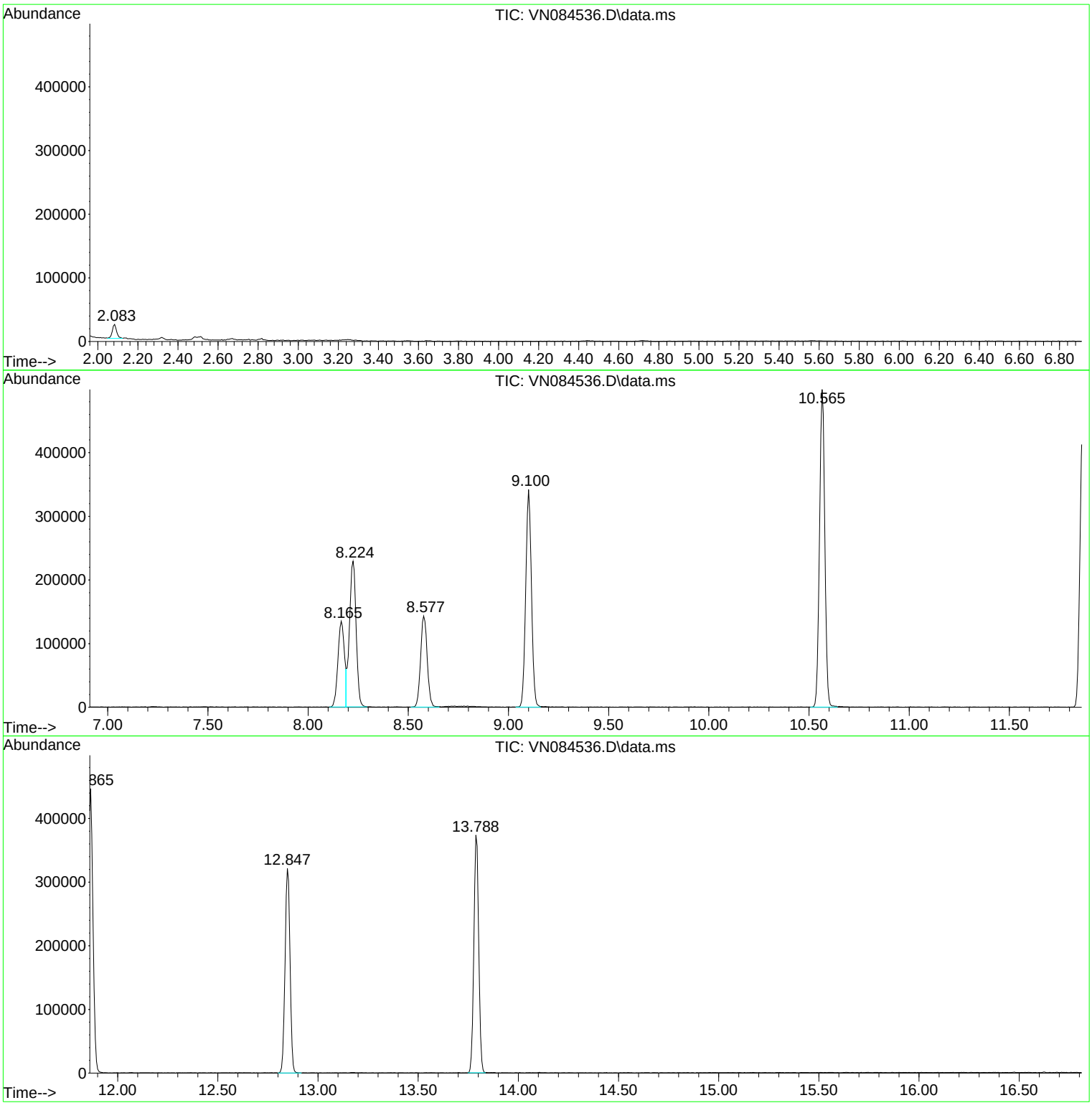
Sample Results: **VN084536.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084536.D
Acq On : 28 Oct 2024 13:53
Operator : JC\MD
Sample : P4550-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084536.D
Acq On : 28 Oct 2024 13:53
Operator : JC\MD
Sample : P4550-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084536.D
Acq On : 28 Oct 2024 13:53
Operator : JC\MD
Sample : P4550-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-378-380

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-398-400	SDG No.:	P4550
Lab Sample ID:	P4550-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084537.D	1		10/28/24 14:17	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-398-400	SDG No.:	P4550
Lab Sample ID:	P4550-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084537.D	1		10/28/24 14:17	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	161000	8.224				
540-36-3	1,4-Difluorobenzene	288000	9.1				
3114-55-4	Chlorobenzene-d5	248000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	98600	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-398-400	SDG No.:	P4550
Lab Sample ID:	P4550-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084537.D	1		10/28/24 14:17	VN102824

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

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\VN102824\
Data File : VN084537.D
Acq On : 28 Oct 2024 14:17
Operator : JC\MD
Sample : P4550-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Quant Time: Oct 28 18:34:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

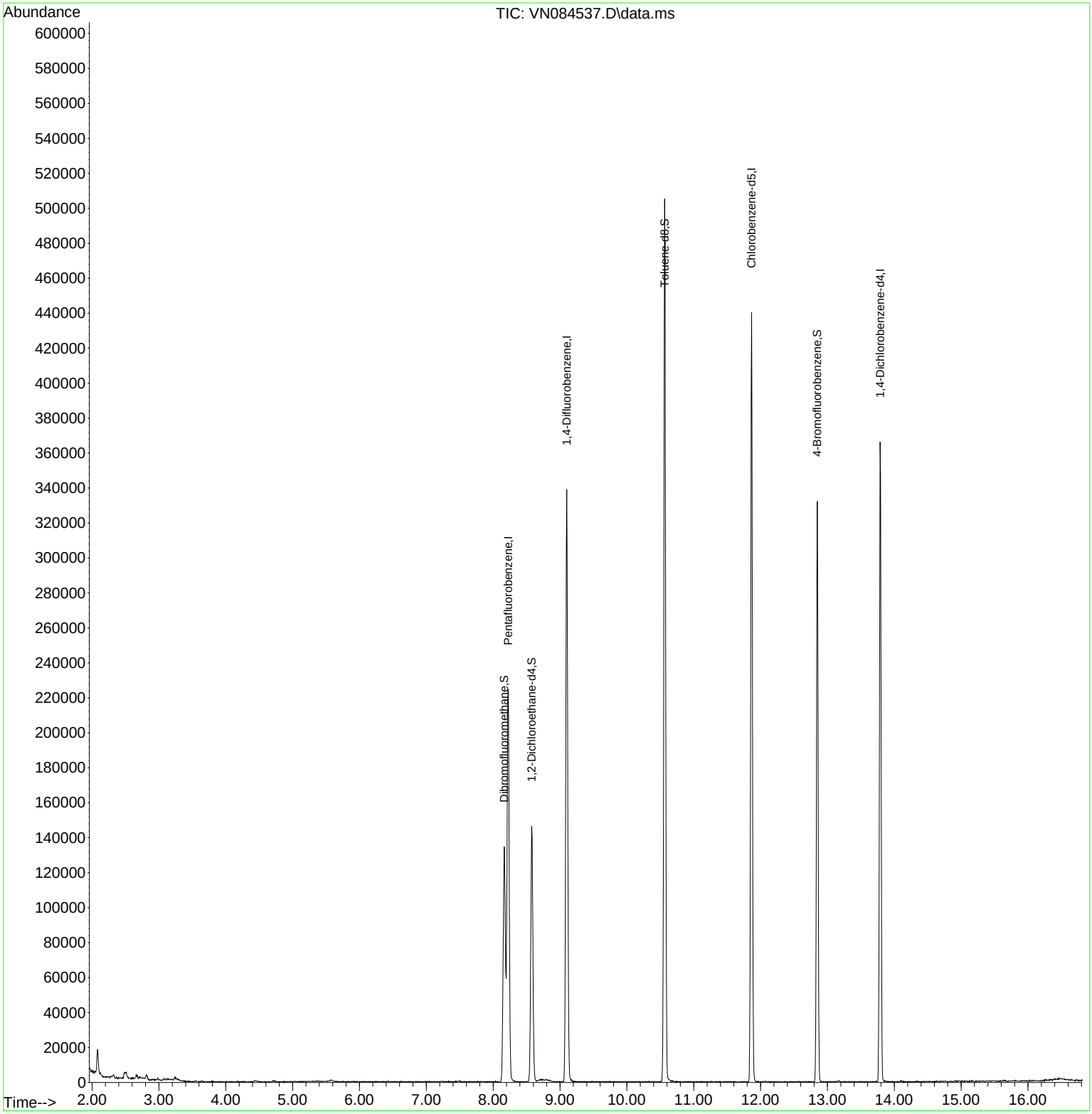
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120504	50.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.880%			
35) Dibromofluoromethane	8.165	113	96238	50.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	10.565	98	342439	49.093	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.847	95	115902	45.610	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.220%			
Target Compounds						Qvalue

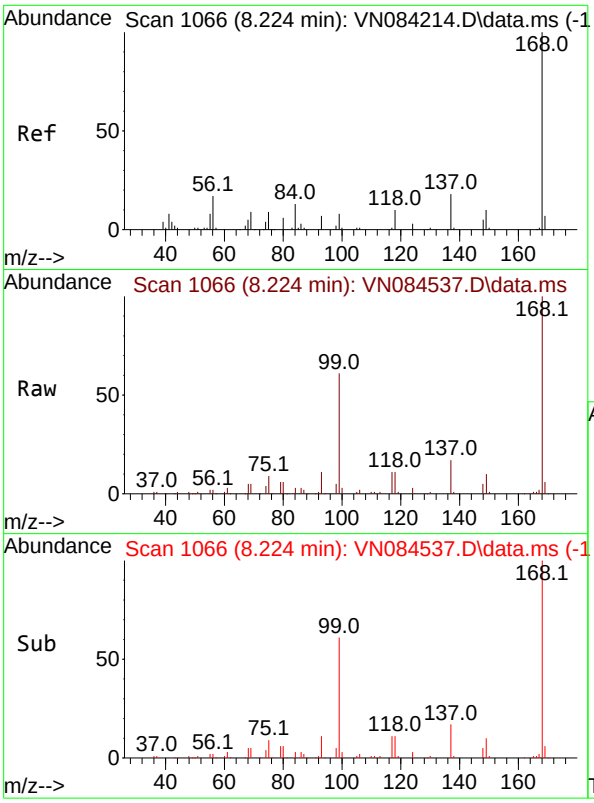
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084537.D
Acq On : 28 Oct 2024 14:17
Operator : JC\MD
Sample : P4550-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Quant Time: Oct 28 18:34:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



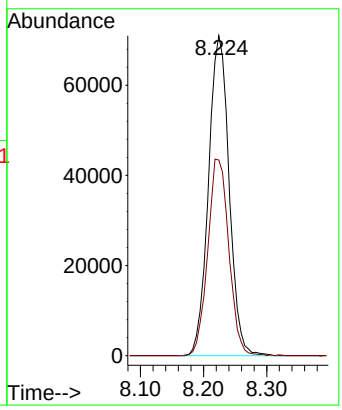


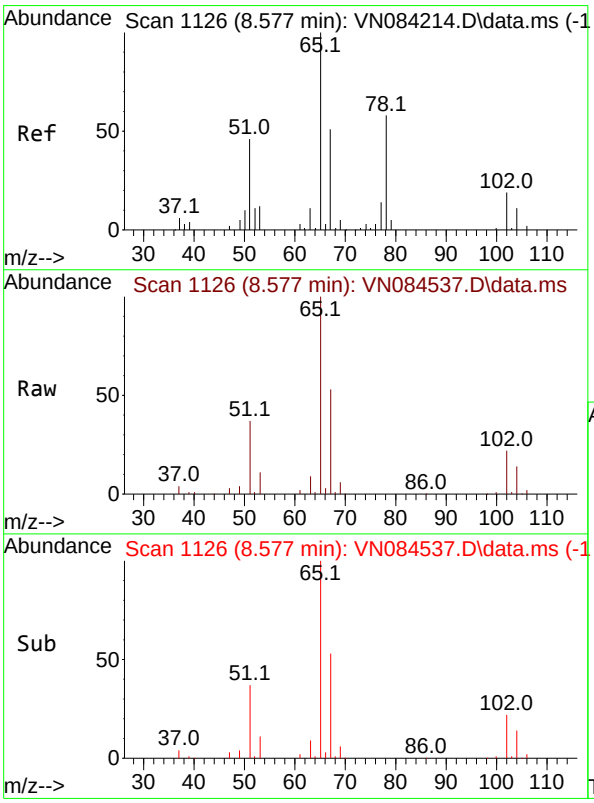
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Tgt Ion:168 Resp: 161144

Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2

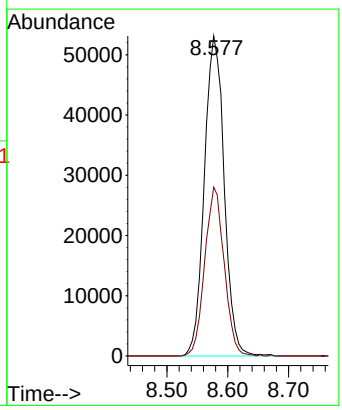


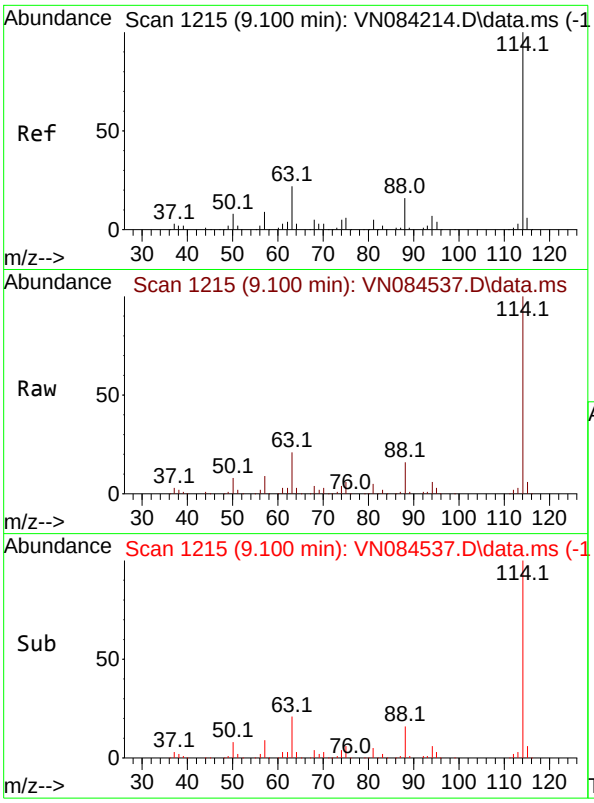


#33
1,2-Dichloroethane-d4
Concen: 50.436 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Tgt Ion: 65 Resp: 120504

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



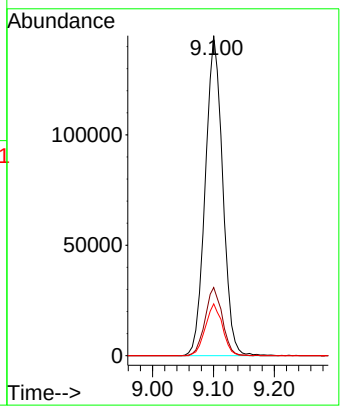


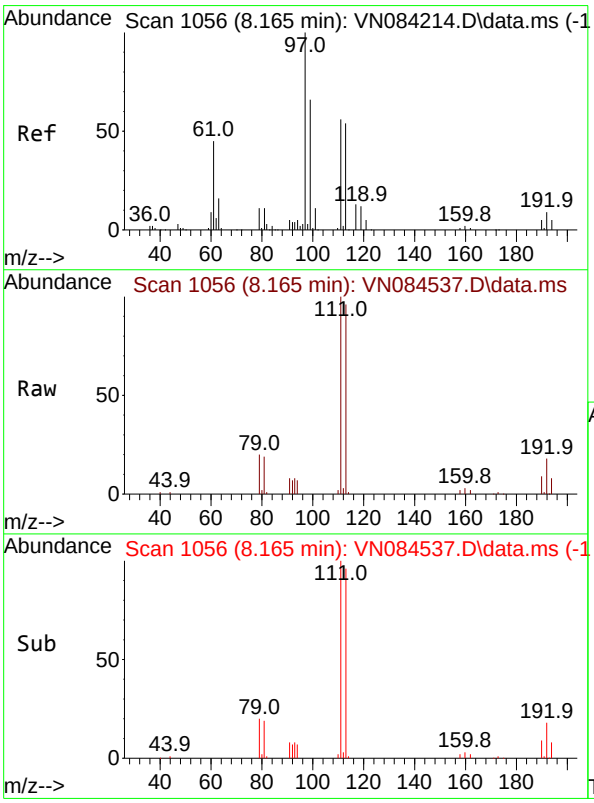
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Tgt Ion:114 Resp: 287581

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	16.2	0.0	31.6

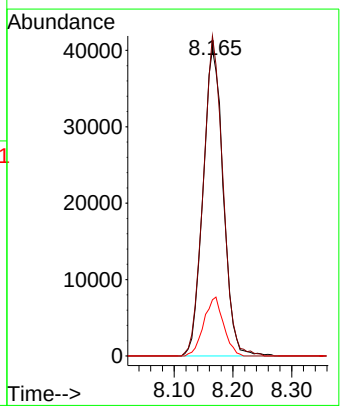


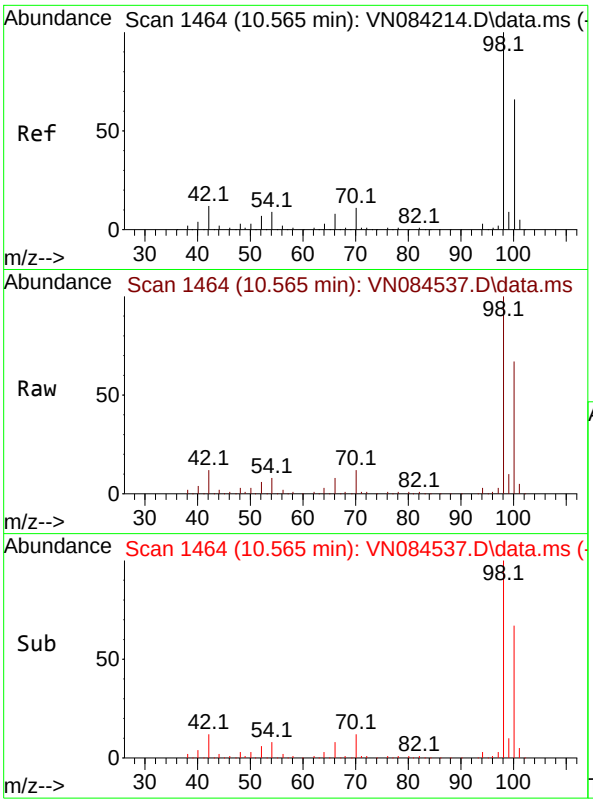


#35
Dibromofluoromethane
Concen: 50.761 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Tgt Ion:113 Resp: 96238

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.3	124.9
192	18.7	13.5	20.3



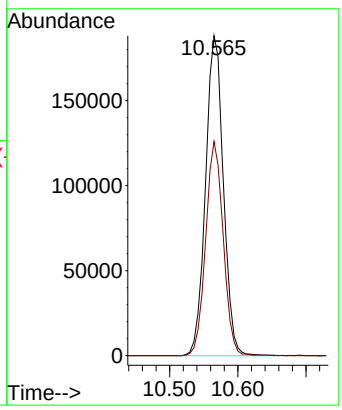


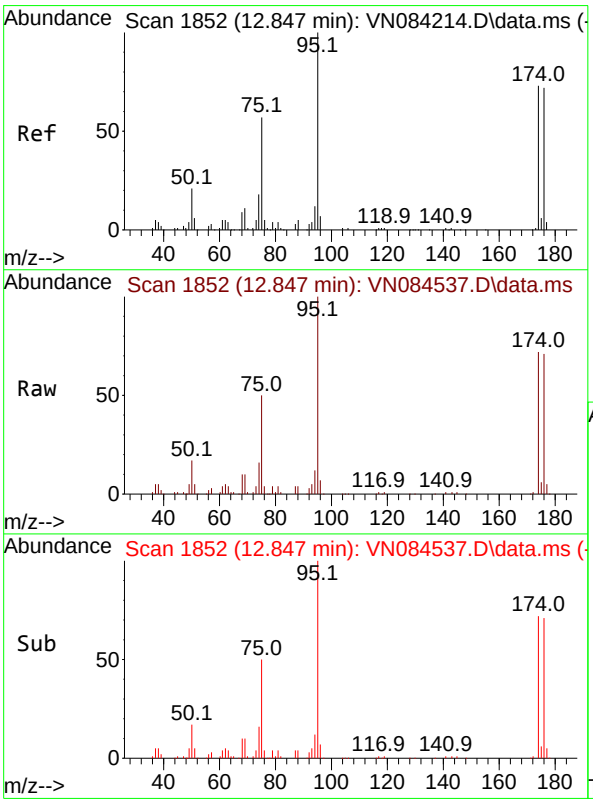
#50
Toluene-d8
Concen: 49.093 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Tgt Ion: 98 Resp: 342439

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

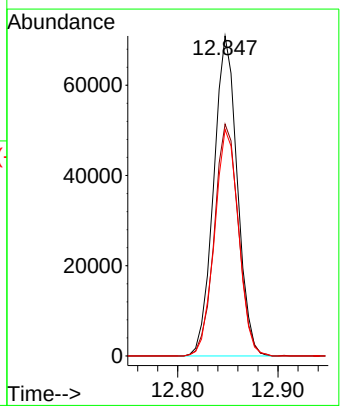


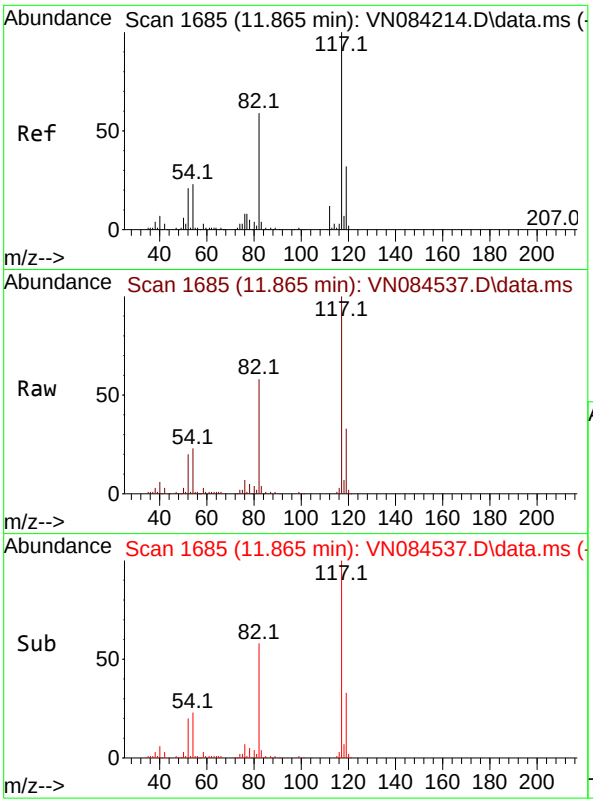


#62
4-Bromofluorobenzene
Concen: 45.610 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Tgt Ion: 95 Resp: 115902

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	72.1	0.0	140.0



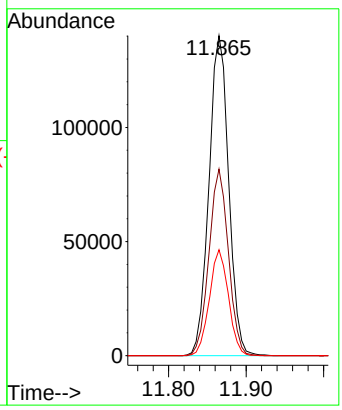


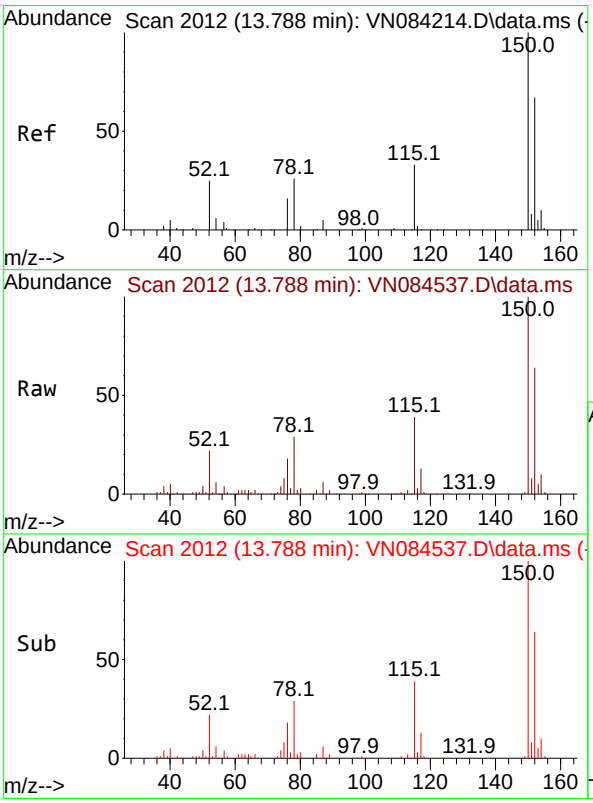
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Tgt Ion:117 Resp: 247681

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	33.1	25.4	38.0

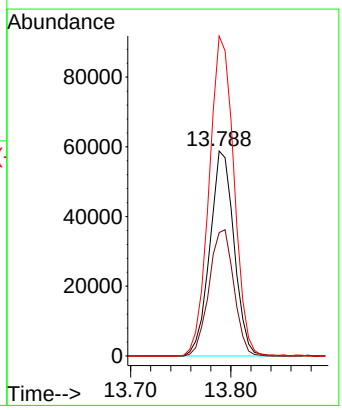




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084537.D
Acq: 28 Oct 2024 14:17

Tgt Ion:152 Resp: 98638

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	160.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084537.D
Acq On : 28 Oct 2024 14:17
Operator : JC\MD
Sample : P4550-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084537.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	18	22	27	rVB2	13892	20176	2.22%	0.430%
2	8.165	1044	1056	1061	rBV2	134645	324837	35.71%	6.919%
3	8.224	1061	1066	1081	rVB2	224489	500237	54.99%	10.654%
4	8.577	1116	1126	1138	rBV	146265	325289	35.76%	6.928%
5	9.100	1207	1215	1226	rBV	338791	674801	74.18%	14.372%
6	10.565	1456	1464	1480	rBV	504942	909690	100.00%	19.375%
7	11.865	1675	1685	1699	rBV	440335	769609	84.60%	16.392%
8	12.847	1844	1852	1861	rBV	332168	550557	60.52%	11.726%
9	13.788	2005	2012	2022	rBV	365975	619957	68.15%	13.204%

Sum of corrected areas: 4695153

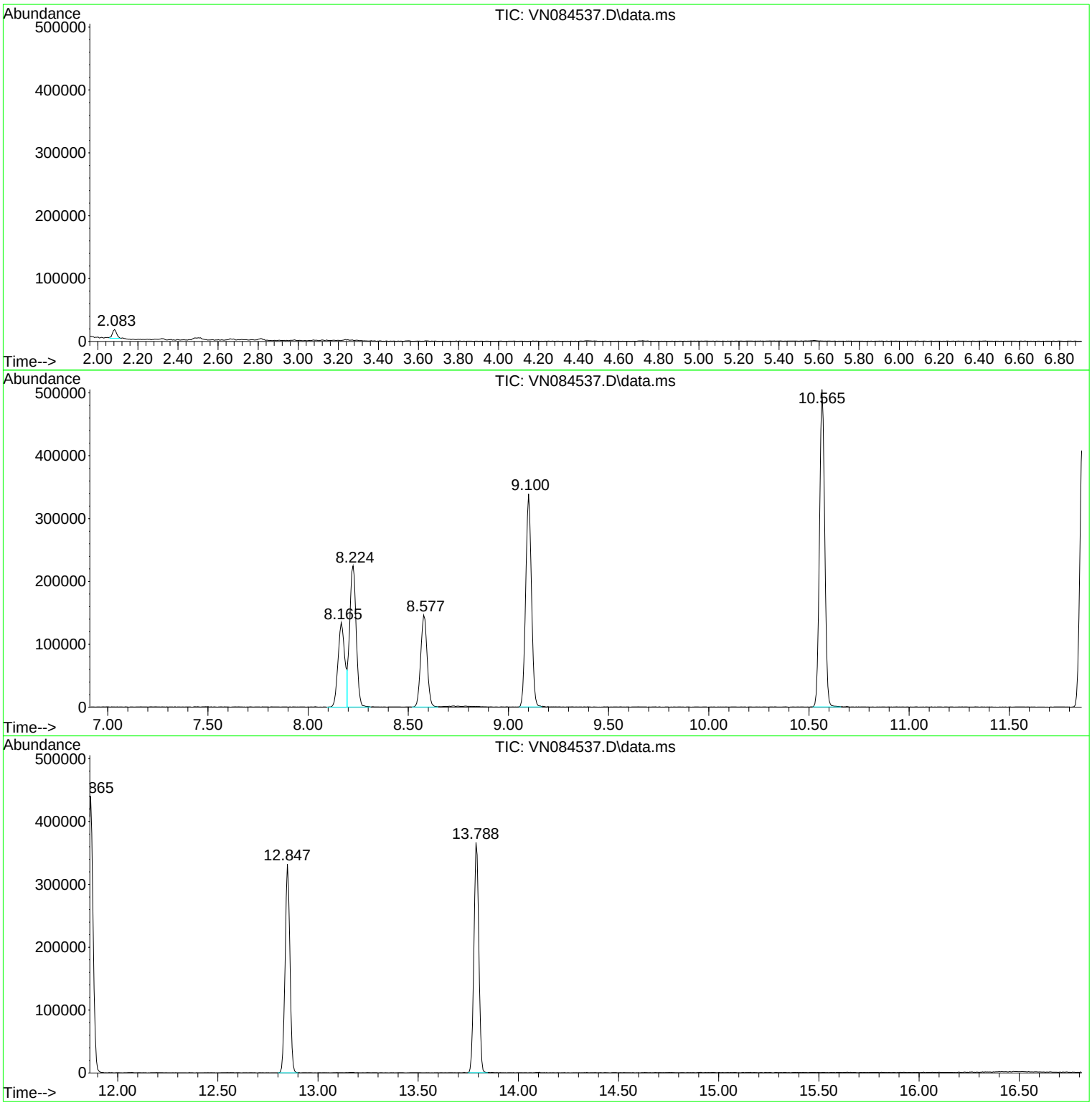
Sample Results: **VN084537.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084537.D
Acq On : 28 Oct 2024 14:17
Operator : JC\MD
Sample : P4550-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084537.D
Acq On : 28 Oct 2024 14:17
Operator : JC\MD
Sample : P4550-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084537.D
Acq On : 28 Oct 2024 14:17
Operator : JC\MD
Sample : P4550-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-398-400

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	BP-VPB-190-GW-418-420	SDG No.:	P4550
Lab Sample ID:	P4550-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084538.D	1		10/28/24 14:41	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	10/24/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-418-420	SDG No.:	P4550
Lab Sample ID:	P4550-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084538.D	1		10/28/24 14:41	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	8.224				
540-36-3	1,4-Difluorobenzene	275000	9.1				
3114-55-4	Chlorobenzene-d5	239000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	94200	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	BP-VPB-190-GW-418-420	SDG No.:	P4550
Lab Sample ID:	P4550-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084538.D	1		10/28/24 14:41	VN102824

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

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\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:34:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	158931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	115590	49.053	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.100%			
35) Dibromofluoromethane	8.165	113	93090	51.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	10.565	98	330849	49.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.847	95	110647	45.497	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.000%			
Target Compounds						Qvalue
16) Acetone	4.436	43	4608m	4.552	ug/l	

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

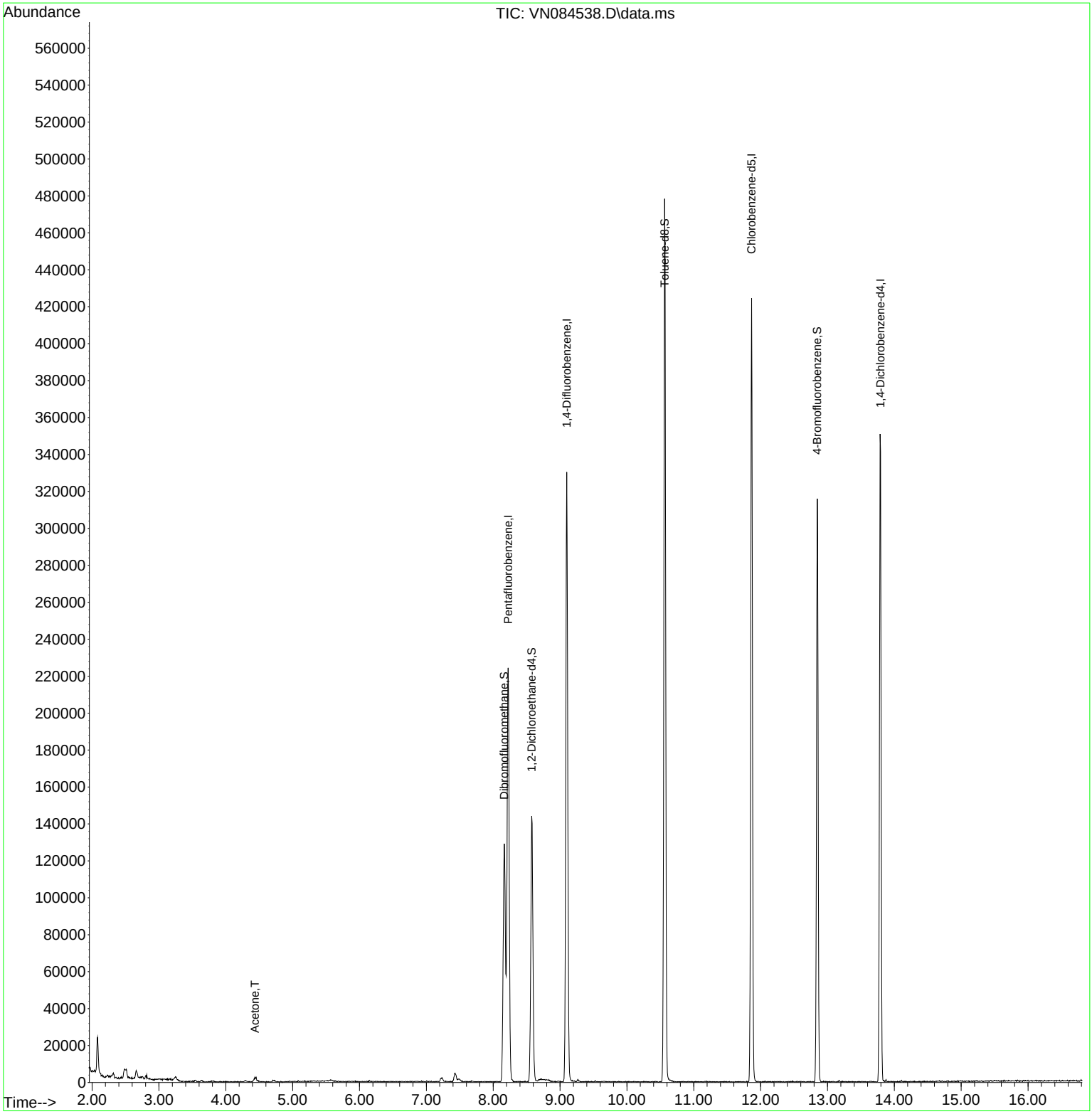
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

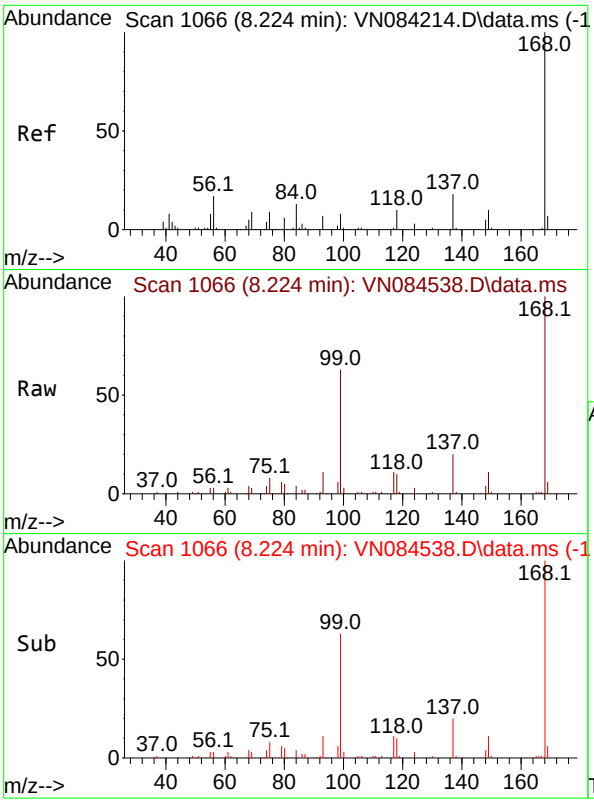
Quant Time: Oct 28 18:34:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

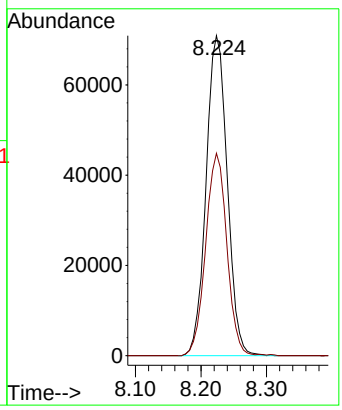




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:168 Resp: 15893

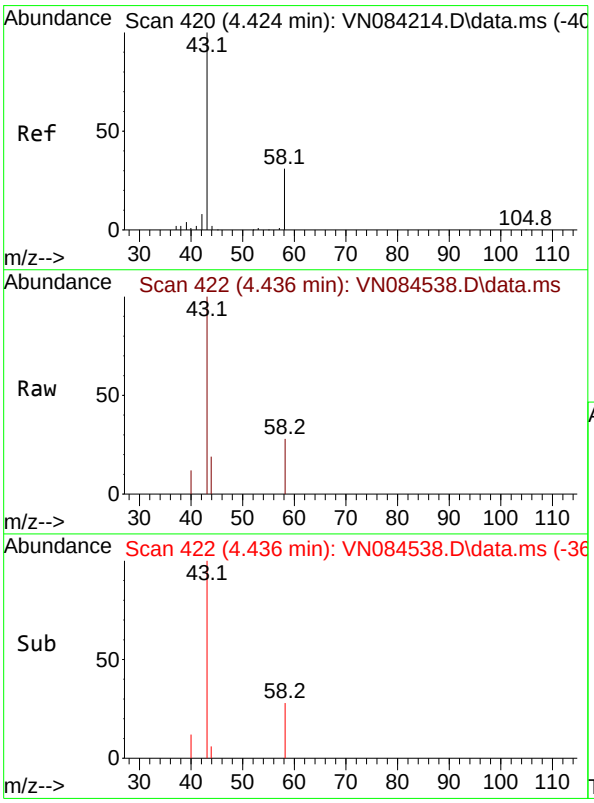
Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations
APPROVED

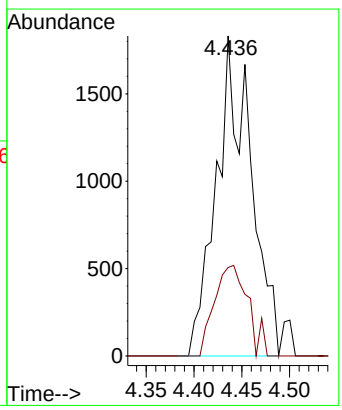
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

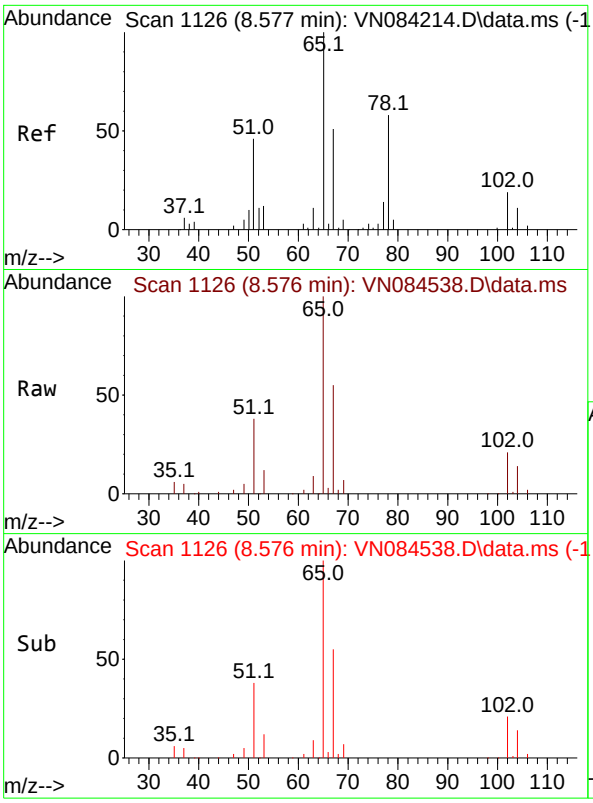


#16
Acetone
Concen: 4.552 ug/l m
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 43 Resp: 4608

Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.4	36.6

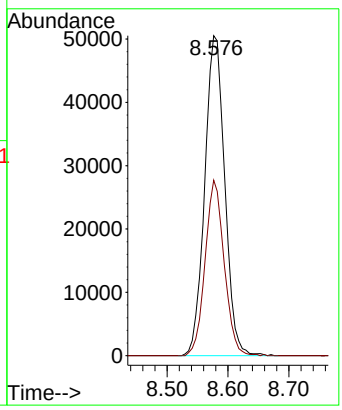




#33
1,2-Dichloroethane-d4
Concen: 49.053 ug/l
RT: 8.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 65 Resp: 11559

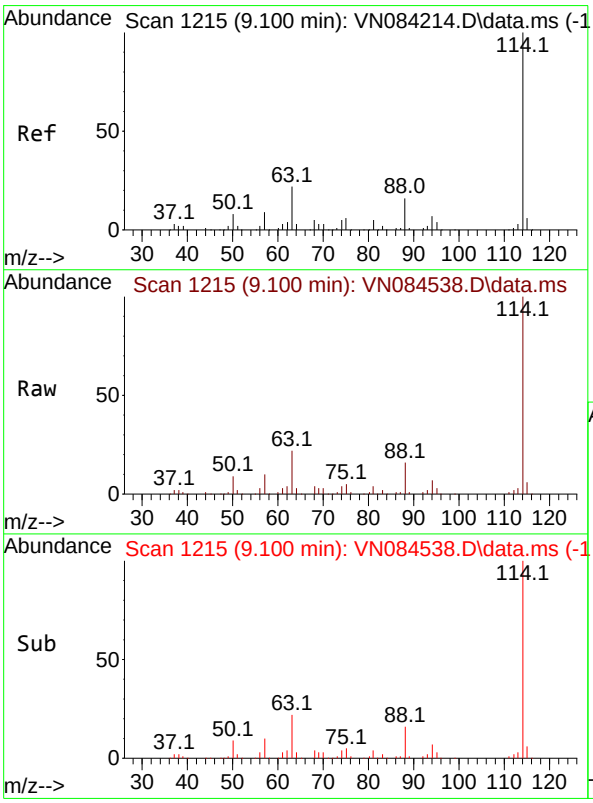
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations
APPROVED

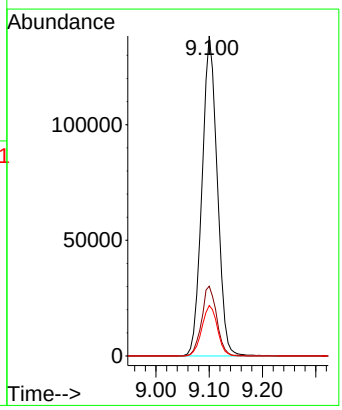
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

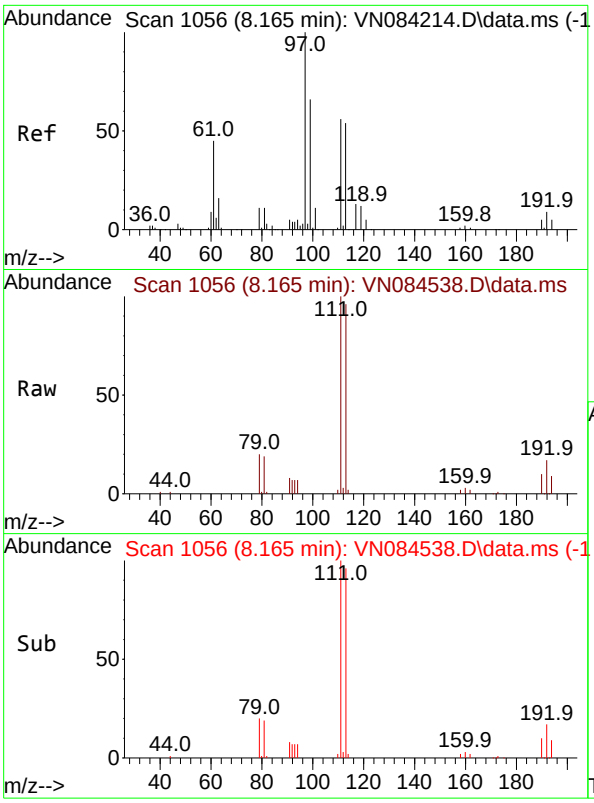


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:114 Resp: 275224

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	15.7	0.0	31.6

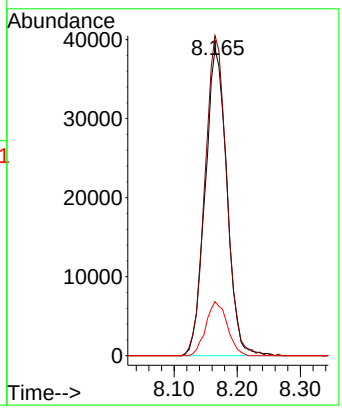




#35
Dibromofluoromethane
Concen: 51.305 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:113 Resp: 9309

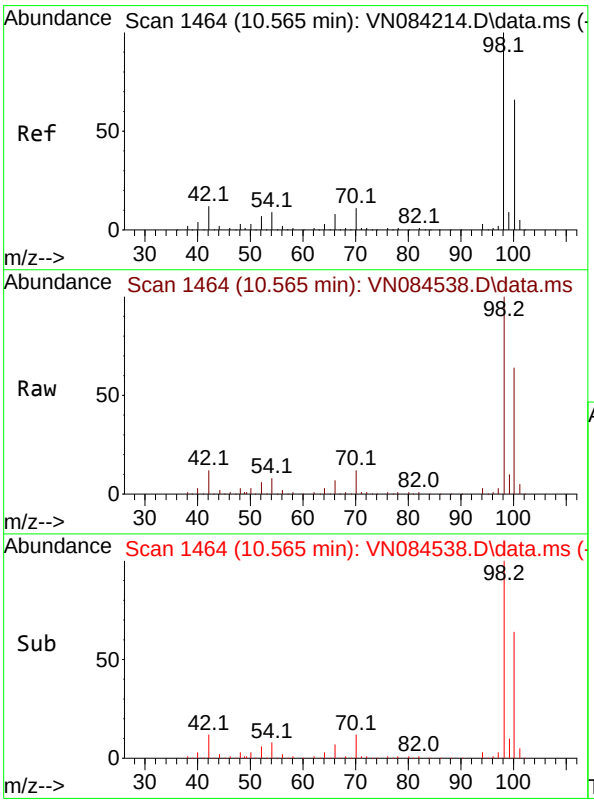
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	17.2	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations
APPROVED

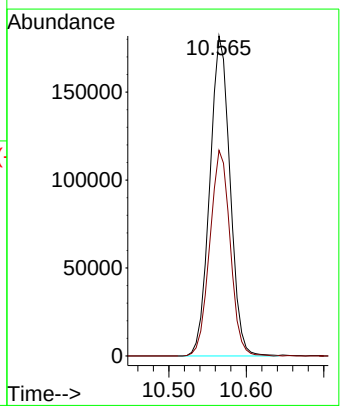
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

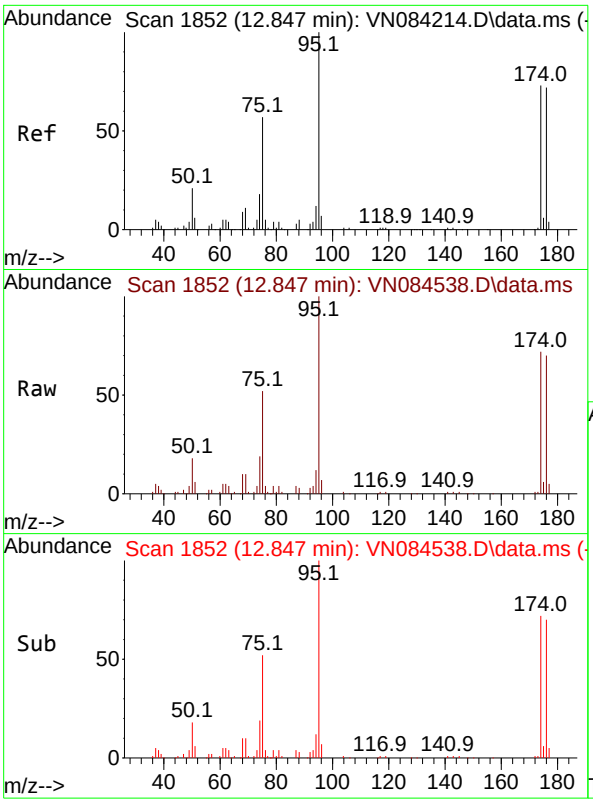


#50
Toluene-d8
Concen: 49.561 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 98 Resp: 330849

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

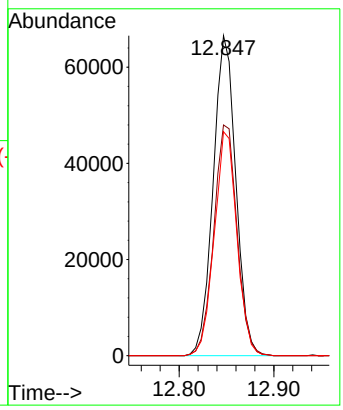




#62
4-Bromofluorobenzene
Concen: 45.497 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 95 Resp: 11064

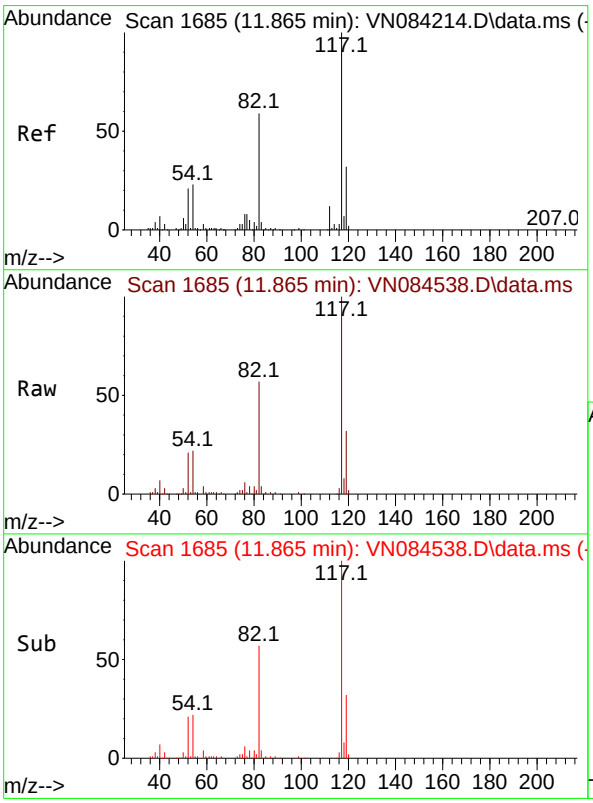
Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	70.0	0.0	140.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations
APPROVED

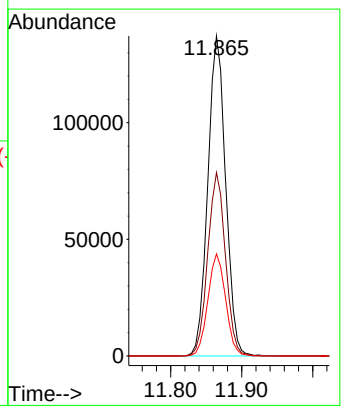
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

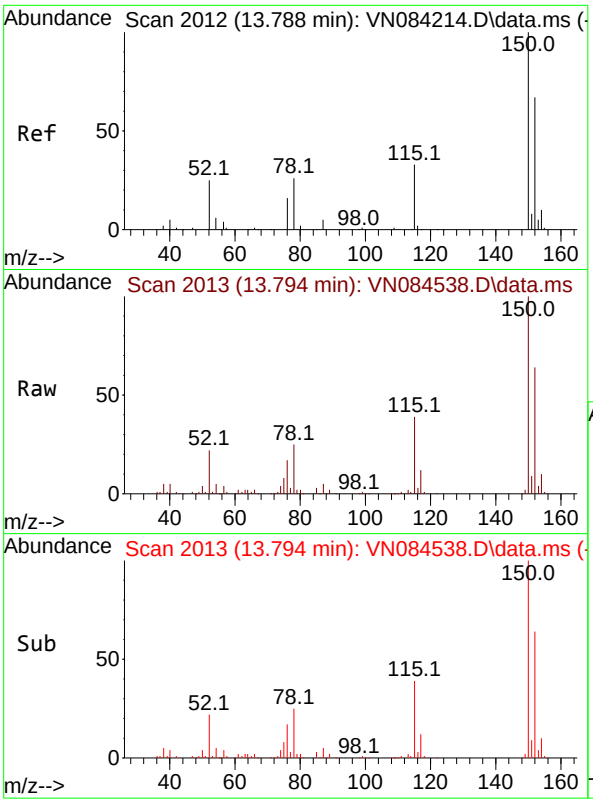


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:117 Resp: 239281

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	31.9	25.4	38.0

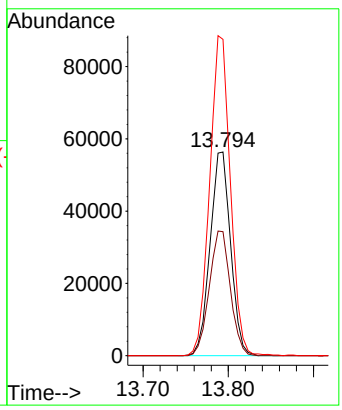




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:152 Resp: 9417

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.9
150	158.1	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Sample Results: **VN084538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084538.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.083	17	22	29	rVB3	19486	29653	3.39%	0.650%
2	2.489	84	91	94	rBV3	5088	11276	1.29%	0.247%
3	7.430	924	931	938	rBV2	4908	12976	1.48%	0.285%
4	8.165	1046	1056	1061	rBV	128919	312153	35.68%	6.846%
5	8.224	1061	1066	1079	rVB	224074	492456	56.29%	10.800%
6	8.576	1117	1126	1139	rBV	144120	319946	36.57%	7.017%
7	9.100	1206	1215	1228	rBV	330028	654094	74.77%	14.345%
8	10.565	1455	1464	1477	rBV	478127	874830	100.00%	19.185%
9	11.865	1677	1685	1697	rVB	424142	736679	84.21%	16.156%
10	12.847	1845	1852	1862	rVB	315865	529089	60.48%	11.603%
11	13.788	2005	2012	2020	rBV	350604	586711	67.07%	12.867%

Sum of corrected areas: 4559863

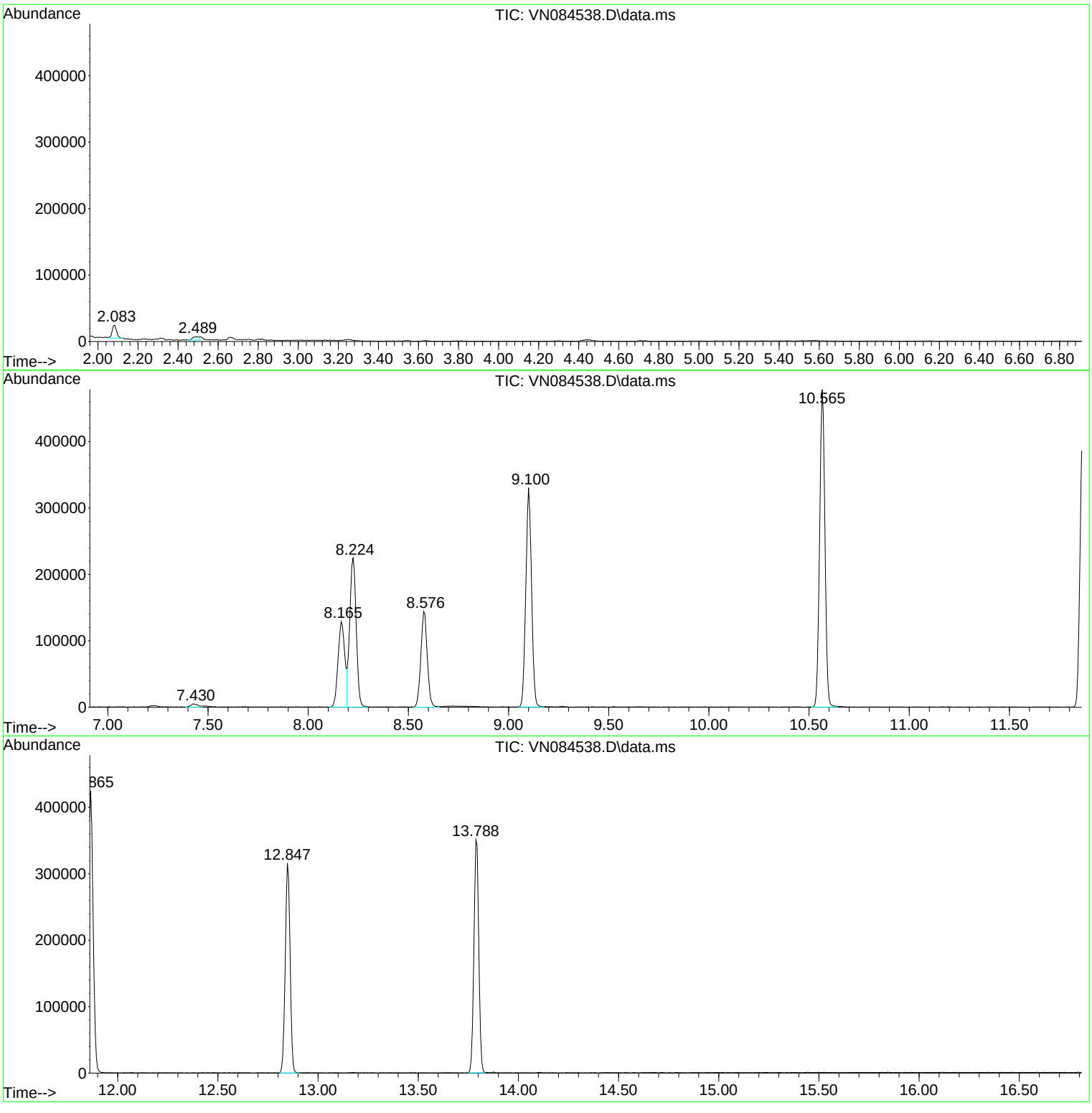
Sample Results: **VN084538.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Chloromethane	0.619	0.671	0.677	0.648	0.747	0.690	0.675	6.4
Vinyl Chloride	0.611	0.667	0.665	0.641	0.724	0.617	0.654	6.4
Bromomethane	0.368	0.432	0.432	0.424	0.501		0.431	10.9
Chloroethane	0.375	0.419	0.430	0.433	0.522	0.632	0.468	19.9
Trichlorofluoromethane	0.953	1.060	1.047	0.959	1.113	0.978	1.019	6.4
1,1,2-Trichlorotrifluoroethane	0.542	0.590	0.603	0.532	0.633	0.602	0.584	6.7
1,1-Dichloroethene	0.538	0.587	0.596	0.533	0.631	0.493	0.563	8.9
Acetone	0.299	0.342	0.337	0.298	0.336	0.299	0.318	6.8
Carbon Disulfide	1.588	1.723	1.746	1.650	1.908	2.080	1.782	10.2
Methyl tert-butyl Ether	1.825	2.033	2.035	1.802	2.049	1.656	1.900	8.6
Methylene Chloride	0.594	0.655	0.661	0.618	0.669	0.686	0.647	5.3
trans-1,2-Dichloroethene	0.555	0.622	0.619	0.570	0.627	0.546	0.590	6.2
1,1-Dichloroethane	1.075	1.193	1.163	1.084	1.226	1.046	1.131	6.4
2-Butanone	0.395	0.452	0.465	0.419	0.467	0.404	0.434	7.3
Carbon Tetrachloride	0.515	0.549	0.553	0.508	0.545	0.482	0.525	5.4
cis-1,2-Dichloroethene	0.670	0.741	0.741	0.655	0.767	0.703	0.713	6.2
Chloroform	1.083	1.204	1.205	1.117	1.259	1.181	1.175	5.5
1,1,1-Trichloroethane	0.997	1.102	1.089	1.018	1.154	0.972	1.055	6.7
Methylcyclohexane	0.567	0.583	0.577	0.507	0.534	0.428	0.533	11
Benzene	1.434	1.553	1.559	1.410	1.574	1.421	1.492	5.2
1,2-Dichloroethane	0.480	0.528	0.524	0.498	0.544	0.460	0.506	6.3
Trichloroethene	0.334	0.362	0.361	0.329	0.379	0.325	0.348	6.3
1,2-Dichloropropane	0.346	0.375	0.380	0.339	0.388	0.289	0.353	10.4
Bromodichloromethane	0.521	0.557	0.556	0.497	0.570	0.475	0.529	7.2
4-Methyl-2-Pentanone	0.449	0.508	0.510	0.468	0.484	0.387	0.468	9.9
Toluene	0.904	0.970	0.963	0.861	0.920	0.840	0.910	5.8
t-1,3-Dichloropropene	0.562	0.590	0.573	0.517	0.564	0.430	0.539	10.9
cis-1,3-Dichloropropene	0.592	0.638	0.608	0.569	0.606	0.469	0.580	10.2
1,1,2-Trichloroethane	0.317	0.349	0.347	0.316	0.340	0.288	0.326	7.3
2-Hexanone	0.341	0.387	0.387	0.340	0.357	0.285	0.349	10.8

* 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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dibromochloromethane	0.384	0.418	0.409	0.374	0.396	0.330	0.385	8.1
Tetrachloroethene	0.323	0.359	0.351	0.338	0.373	0.346	0.348	5
Chlorobenzene	1.068	1.170	1.143	1.069	1.173	1.028	1.109	5.5
Ethyl Benzene	1.988	2.121	2.028	1.840	2.030	1.756	1.961	6.9
m/p-Xylenes	0.741	0.806	0.779	0.695	0.729	0.600	0.725	10
o-Xylene	0.714	0.774	0.738	0.666	0.734	0.491	0.686	14.9
Styrene	1.234	1.312	1.238	1.112	1.159	0.918	1.162	11.9
Bromoform	0.282	0.315	0.303	0.260	0.288	0.239	0.281	10
Isopropylbenzene	3.737	4.132	4.055	3.677	3.864	3.428	3.815	6.8
1,1,2,2-Tetrachloroethane	1.001	1.183	1.187	1.127	1.291	1.095	1.147	8.5
1,3-Dichlorobenzene	1.624	1.787	1.780	1.646	1.843	1.679	1.727	5.1
1,4-Dichlorobenzene	1.628	1.784	1.734	1.638	1.889	1.789	1.744	5.7
1,2-Dichlorobenzene	1.555	1.710	1.740	1.613	1.769	1.770	1.693	5.3
1,2-Dichloroethane-d4	0.673	0.737	0.764	0.712	0.821		0.741	7.5
Dibromofluoromethane	0.308	0.324	0.341	0.316	0.359		0.330	6.1
Toluene-d8	1.189	1.243	1.242	1.148	1.242		1.213	3.5
4-Bromofluorobenzene	0.447	0.452	0.449	0.406	0.456		0.442	4.6

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N093024W.M
Title : SW846 8260
Last Update : Tue Oct 01 07:11:01 2024
Response Via : Initial Calibration

Calibration Files
1 =VN084218.D 5 =VN084217.D 10 =VN084216.D 20 =VN084215.D 50 =VN084214.D 100 =VN084213.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.600	0.607	0.562	0.600	0.613	0.567	0.591	3.67
3)	P	Chloromethane	0.690	0.747	0.648	0.677	0.671	0.619	0.675	6.39
4)	C	Vinyl Chloride	0.617	0.724	0.641	0.665	0.667	0.611	0.654	6.37#
5)	T	Bromomethane		0.501	0.424	0.432	0.432	0.368	0.431	10.93
6)	T	Chloroethane	0.632	0.522	0.433	0.430	0.419	0.375	0.468	19.90
7)	T	Trichlorofluor...	0.978	1.113	0.959	1.047	1.060	0.953	1.019	6.36
8)	T	Diethyl Ether	0.363	0.398	0.352	0.408	0.390	0.355	0.378	6.36
9)	T	1,1,2-Trichlor...	0.602	0.633	0.532	0.603	0.590	0.542	0.584	6.68
10)	T	Methyl Iodide		0.764	0.688	0.769	0.806	0.731	0.752	5.87
11)	T	Tert butyl alc...		0.143	0.116	0.128	0.123	0.101	0.122	12.49
12)	CM	1,1-Dichloroet...	0.493	0.631	0.533	0.596	0.587	0.538	0.563	8.94#
13)	T	Acrolein		0.162	0.130	0.135	0.142	0.131	0.140	9.47
14)	T	Allyl chloride	0.888	1.097	0.896	1.086	0.995	0.905	0.978	9.85
15)	T	Acrylonitrile	0.306	0.329	0.300	0.324	0.316	0.277	0.309	6.10
16)	T	Acetone	0.299	0.336	0.298	0.337	0.342	0.299	0.318	6.80
17)	T	Carbon Disulfide	2.080	1.908	1.650	1.746	1.723	1.588	1.782	10.18
18)	T	Methyl Acetate	0.700	0.765	0.691	0.694	0.707	0.607	0.694	7.27
19)	T	Methyl tert-bu...	1.656	2.049	1.802	2.035	2.033	1.825	1.900	8.57
20)	T	Methylene Chlo...	0.686	0.669	0.618	0.661	0.655	0.594	0.647	5.29
21)	T	trans-1,2-Dich...	0.546	0.627	0.570	0.619	0.622	0.555	0.590	6.21
22)	T	Diisopropyl ether	1.756	2.207	1.900	2.170	2.164	1.938	2.022	9.10
23)	T	Vinyl Acetate	1.196	1.585	1.411	1.655	1.648	1.505	1.500	11.67
24)	P	1,1-Dichloroet...	1.046	1.226	1.084	1.163	1.193	1.075	1.131	6.43
25)	T	2-Butanone	0.404	0.467	0.419	0.465	0.452	0.395	0.434	7.35
26)	T	2,2-Dichloropr...	0.904	1.086	0.983	1.078	1.082	0.985	1.020	7.31
27)	T	cis-1,2-Dichlo...	0.703	0.767	0.655	0.741	0.741	0.670	0.713	6.19
28)	T	Bromochloromet...	0.535	0.619	0.423	0.486	0.494	0.472	0.505	13.20
29)	T	Tetrahydrofuran	0.249	0.290	0.266	0.281	0.283	0.236	0.268	8.01
30)	C	Chloroform	1.181	1.259	1.116	1.205	1.204	1.083	1.175	5.49#
31)	T	Cyclohexane		1.321	1.047	1.084	1.068	0.970	1.098	12.01
32)	T	1,1,1-Trichlor...	0.972	1.154	1.018	1.089	1.102	0.997	1.055	6.68
33)	S	1,2-Dichloroet...		0.821	0.712	0.764	0.737	0.673	0.741	7.51
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.359	0.316	0.341	0.324	0.308	0.330	6.14
36)	T	1,1-Dichloropr...	0.417	0.504	0.468	0.501	0.509	0.474	0.479	7.25
37)	T	Ethyl Acetate	0.447	0.560	0.488	0.496	0.503	0.452	0.491	8.34
38)	T	Carbon Tetrach...	0.482	0.545	0.508	0.553	0.549	0.515	0.525	5.41
39)	T	Methylcyclohexane	0.428	0.534	0.507	0.577	0.583	0.567	0.533	11.04
40)	TM	Benzene	1.421	1.574	1.410	1.559	1.553	1.434	1.492	5.18
41)	T	Methacrylonitrile	0.257	0.273	0.251	0.284	0.287	0.247	0.267	6.50
42)	TM	1,2-Dichloroet...	0.460	0.544	0.498	0.524	0.528	0.480	0.506	6.32
43)	T	Isopropyl Acetate	1.312	0.973	0.857	0.930	0.898	0.804	0.962	18.82
44)	TM	Trichloroethene	0.325	0.379	0.329	0.361	0.362	0.334	0.348	6.32
45)	C	1,2-Dichloropr...	0.289	0.388	0.339	0.380	0.375	0.346	0.353	10.44#
46)	T	Dibromomethane	0.197	0.250	0.226	0.258	0.260	0.238	0.238	9.99
47)	T	Bromodichlorom...	0.475	0.570	0.497	0.556	0.557	0.521	0.529	7.17
48)	T	Methyl methacr...	0.314	0.408	0.371	0.411	0.418	0.376	0.383	10.14
49)	T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.007	0.006	0.007	5.48
50)	S	Toluene-d8		1.242	1.148	1.242	1.243	1.189	1.213	3.54
51)	T	4-Methyl-2-Pen...	0.387	0.484	0.468	0.510	0.508	0.449	0.468	9.88
52)	CM	Toluene	0.840	0.920	0.861	0.963	0.970	0.904	0.910	5.79#
53)	T	t-1,3-Dichloro...	0.430	0.564	0.517	0.573	0.590	0.562	0.539	10.92
54)	T	cis-1,3-Dichlo...	0.469	0.606	0.569	0.608	0.638	0.592	0.580	10.18
55)	T	1,1,2-Trichlor...	0.288	0.340	0.316	0.347	0.349	0.317	0.326	7.33

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N093024W.M

56)	T	Ethyl methacry...	0.414	0.548	0.513	0.587	0.602	0.556	0.537	12.63
57)	T	1,3-Dichloropr...	0.533	0.623	0.551	0.618	0.616	0.555	0.583	6.95
58)	T	2-Chloroethyl ...	0.213	0.267	0.233	0.232	0.280	0.268	0.249	10.63
59)	T	2-Hexanone	0.285	0.357	0.340	0.387	0.387	0.341	0.349	10.80
60)	T	Dibromochlorom...	0.330	0.396	0.374	0.409	0.418	0.384	0.385	8.12
61)	T	1,2-Dibromoethane	0.309	0.361	0.315	0.362	0.358	0.328	0.339	7.18
62)	S	4-Bromofluorob...		0.456	0.406	0.449	0.452	0.447	0.442	4.62
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.346	0.373	0.338	0.351	0.359	0.323	0.348	4.98
65)	PM	Chlorobenzene	1.028	1.173	1.069	1.143	1.170	1.068	1.109	5.52
66)	T	1,1,1,2-Tetrac...	0.334	0.409	0.366	0.409	0.404	0.369	0.382	8.01
67)	C	Ethyl Benzene	1.756	2.030	1.840	2.028	2.121	1.988	1.961	6.94#
68)	T	m/p-Xylenes	0.600	0.729	0.695	0.779	0.806	0.741	0.725	10.00
69)	T	o-Xylene	0.491	0.734	0.666	0.738	0.774	0.714	0.686	14.87
70)	T	Styrene	0.918	1.159	1.112	1.238	1.312	1.234	1.162	11.87
71)	P	Bromoform	0.239	0.288	0.260	0.303	0.315	0.282	0.281	9.98
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.428	3.864	3.677	4.055	4.132	3.737	3.815	6.78
74)	T	N-amyl acetate	1.583	1.758	1.705	1.827	1.857	1.636	1.728	6.20
75)	P	1,1,2,2-Tetrac...	1.095	1.291	1.127	1.187	1.183	1.001	1.147	8.52
76)	T	1,2,3-Trichlor...	0.895	1.251	0.999	1.003	1.125	0.851	1.021	14.47
77)	T	Bromobenzene	0.891	0.982	0.896	0.955	0.947	0.851	0.920	5.33
78)	T	n-propylbenzene	3.455	4.544	4.401	4.719	4.906	4.498	4.421	11.44
79)	T	2-Chlorotoluene	2.640	2.948	2.737	2.891	3.013	2.696	2.821	5.34
80)	T	1,3,5-Trimethy...	2.369	3.209	3.077	3.358	3.491	3.170	3.112	12.62
81)	T	trans-1,4-Dich...		0.408	0.428	0.435	0.451	0.407	0.426	4.34
82)	T	4-Chlorotoluene	2.537	2.968	2.777	2.962	3.029	2.765	2.840	6.46
83)	T	tert-Butylbenzene	2.407	2.844	2.681	2.891	3.027	2.748	2.766	7.68
84)	T	1,2,4-Trimethy...	2.334	3.209	3.102	3.449	3.522	3.195	3.135	13.53
85)	T	sec-Butylbenzene	2.842	3.641	3.715	4.021	4.143	3.787	3.691	12.39
86)	T	p-Isopropyltol...	2.204	3.030	2.995	3.361	3.509	3.215	3.052	15.04
87)	T	1,3-Dichlorobe...	1.679	1.843	1.646	1.780	1.787	1.624	1.727	5.13
88)	T	1,4-Dichlorobe...	1.789	1.889	1.638	1.734	1.784	1.628	1.744	5.71
89)	T	n-Butylbenzene	2.386	2.689	2.567	2.961	3.092	2.912	2.768	9.63
90)	T	Hexachloroethane	0.564	0.678	0.608	0.637	0.639	0.590	0.620	6.51
91)	T	1,2-Dichlorobe...	1.770	1.769	1.613	1.740	1.710	1.555	1.693	5.28
92)	T	1,2-Dibromo-3-...	0.207	0.271	0.242	0.253	0.238	0.209	0.237	10.44
93)	T	1,2,4-Trichlor...	0.657	0.839	0.792	0.923	0.933	0.859	0.834	12.15
94)	T	Hexachlorobuta...	0.422	0.460	0.401	0.445	0.397	0.370	0.416	7.98
95)	T	Naphthalene	2.467	2.702	2.657	2.935	3.079	2.747	2.764	7.79
96)	T	1,2,3-Trichlor...	0.751	0.822	0.820	0.903	0.896	0.816	0.835	6.83

(#) = Out of Range

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	259018	90.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 181.600%#			
35) Dibromofluoromethane	8.165	113	200166	93.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 187.080%#			
50) Toluene-d8	10.565	98	772146	98.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.160%#			
62) 4-Bromofluorobenzene	12.847	95	289867	101.065	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 202.140%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	218015	95.796	ug/l	94
3) Chloromethane	2.359	50	238104	91.628	ug/l	98
4) Vinyl Chloride	2.512	62	234942	93.338	ug/l	99
5) Bromomethane	2.936	94	141604	85.288	ug/l	94
6) Chloroethane	3.112	64	144394	80.099	ug/l	92
7) Trichlorofluoromethane	3.495	101	366907	93.608	ug/l	98
8) Diethyl Ether	3.953	74	136436	93.854	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	208443	92.811	ug/l	99
10) Methyl Iodide	4.589	142	281269	97.248	ug/l	97
11) Tert butyl alcohol	5.518	59	194750	414.018	ug/l	99
12) 1,1-Dichloroethene	4.336	96	206863	95.491	ug/l	95
13) Acrolein	4.177	56	251811	466.304	ug/l	99
14) Allyl chloride	5.018	41	348108	92.526	ug/l	99
15) Acrylonitrile	5.712	53	533270	448.931	ug/l	99
16) Acetone	4.424	43	576139	470.138	ug/l	99
17) Carbon Disulfide	4.712	76	611042	89.090	ug/l	100
18) Methyl Acetate	5.018	43	233708	87.499	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	702366	96.061	ug/l	99
20) Methylene Chloride	5.277	84	228706	91.809	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	213704	94.160	ug/l	94
22) Diisopropyl ether	6.671	45	745614	95.811	ug/l	98
23) Vinyl Acetate	6.600	43	2895429	498.979	ug/l	99
24) 1,1-Dichloroethane	6.565	63	413523	95.021	ug/l	99
25) 2-Butanone	7.483	43	759354	454.946	ug/l	100
26) 2,2-Dichloropropane	7.488	77	378893	96.560	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	257696	93.962	ug/l	99
28) Bromochloromethane	7.812	49	181546	93.497	ug/l	100
29) Tetrahydrofuran	7.836	42	453342	440.124	ug/l	99
30) Chloroform	7.965	83	416595	92.156	ug/l	100
31) Cyclohexane	8.253	56	373445	88.380	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	383566	94.476	ug/l	98
36) 1,1-Dichloropropene	8.371	75	307616	98.969	ug/l	99
37) Ethyl Acetate	7.559	43	293597	92.073	ug/l	100
38) Carbon Tetrachloride	8.359	117	334398	98.077	ug/l	98
39) Methylcyclohexane	9.600	83	368299	106.466	ug/l	99
40) Benzene	8.606	78	931076	96.145	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	160270	92.581 ug/l		97
42) 1,2-Dichloroethane	8.671	62	311563	94.900 ug/l		100
43) Isopropyl Acetate	8.688	43	521814	83.581 ug/l		100
44) Trichloroethene	9.347	130	216678	95.798 ug/l		97
45) 1,2-Dichloropropane	9.618	63	224724	98.095 ug/l		97
46) Dibromomethane	9.706	93	154739	100.091 ug/l		99
47) Bromodichloromethane	9.888	83	338406	98.526 ug/l		99
48) Methyl methacrylate	9.677	41	244061	98.163 ug/l		99
49) 1,4-Dioxane	9.694	88	82854	1810.110 ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	1456154	479.699 ug/l		100
52) Toluene	10.629	92	586544	99.324 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	365099	104.280 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	384030	101.975 ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	205711	97.170 ug/l		97
56) Ethyl methacrylate	10.871	69	360916	103.608 ug/l		99
57) 1,3-Dichloropropane	11.165	76	360601	95.326 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	870416	538.640 ug/l		99
59) 2-Hexanone	11.194	43	1105736	487.363 ug/l		99
60) Dibromochloromethane	11.359	129	249435	99.721 ug/l		98
61) 1,2-Dibromoethane	11.465	107	212705	96.694 ug/l		100
64) Tetrachloroethene	11.100	164	186069	92.608 ug/l		99
65) Chlorobenzene	11.888	112	616423	96.376 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	212695	96.546 ug/l		99
67) Ethyl Benzene	11.959	91	1146786	101.385 ug/l		98
68) m/p-Xylenes	12.071	106	855381	204.437 ug/l		100
69) o-Xylene	12.394	106	412098	104.101 ug/l		99
70) Styrene	12.412	104	711855	106.165 ug/l		99
71) Bromoform	12.576	173	162862	100.412 ug/l	#	97
73) Isopropylbenzene	12.694	105	1067798	97.936 ug/l		100
74) N-amyl acetate	12.494	43	467641	94.716 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	286161	87.285 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	243293m	85.433 ug/l		
77) Bromobenzene	12.982	156	243075	92.425 ug/l		100
78) n-propylbenzene	13.035	91	1285399	101.754 ug/l		99
79) 2-Chlorotoluene	13.123	91	770341	95.567 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	905999	101.869 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	116289	95.579 ug/l		98
82) 4-Chlorotoluene	13.218	91	790045	97.362 ug/l		100
83) tert-Butylbenzene	13.435	119	785331	99.349 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	913037	101.908 ug/l		99
85) sec-Butylbenzene	13.612	105	1082055	102.580 ug/l		100
86) p-Isopropyltoluene	13.729	119	918730	105.328 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	463998	94.046 ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	465087	93.346 ug/l		99
89) n-Butylbenzene	14.053	91	832034	105.197 ug/l		99
90) Hexachloroethane	14.329	117	168712	95.289 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	444319	91.843 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	59837	88.446 ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	245477	103.017 ug/l		99
94) Hexachlorobutadiene	15.500	225	105801	89.034 ug/l		98
95) Naphthalene	15.635	128	784876	99.356 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	233126	97.736 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

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

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

ICAL Form

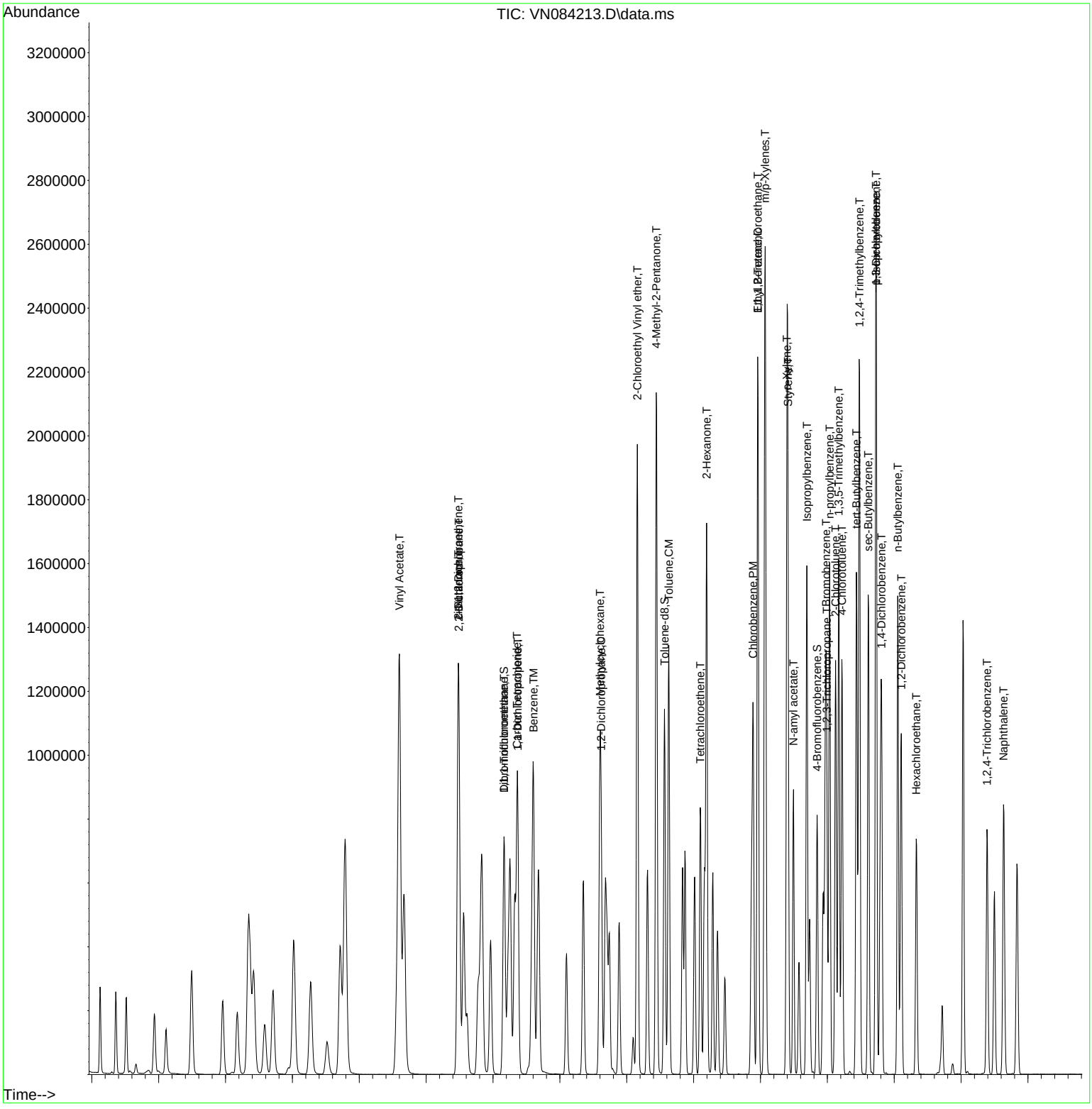
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

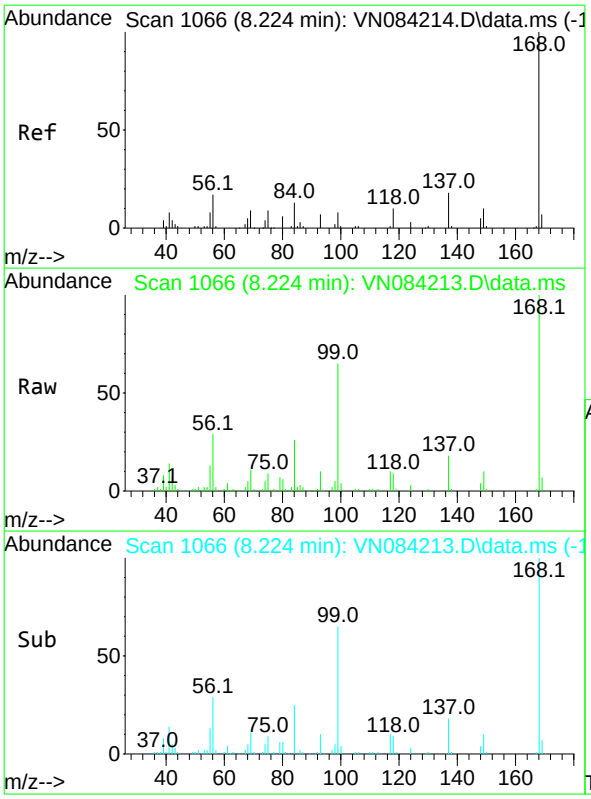
Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

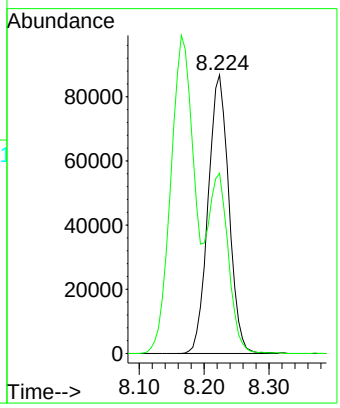




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:168 Resp: 192402

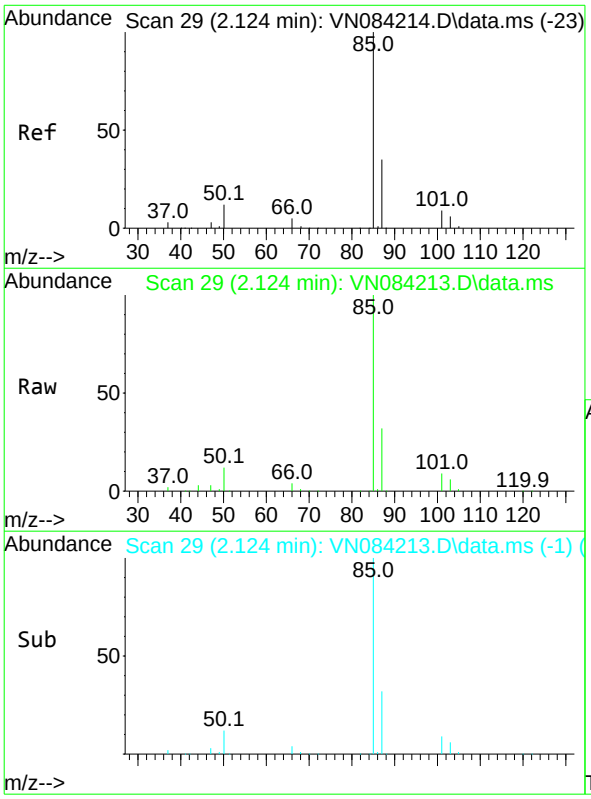
Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

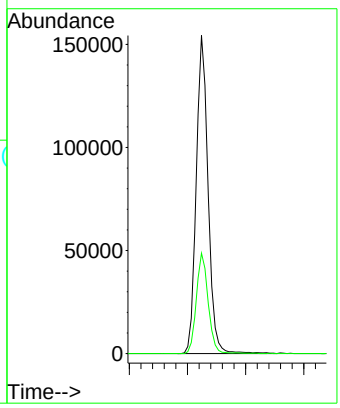
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

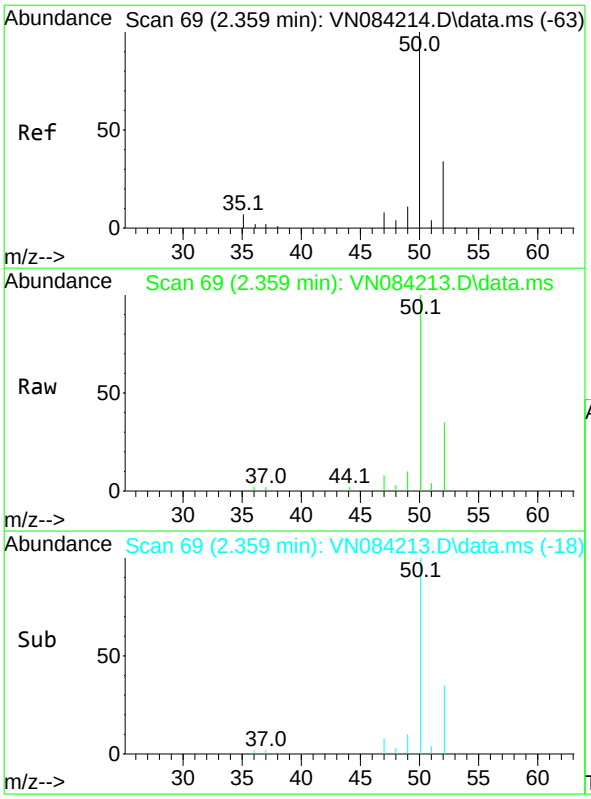


#2
Dichlorodifluoromethane
Concen: 95.796 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 85 Resp: 218015

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9

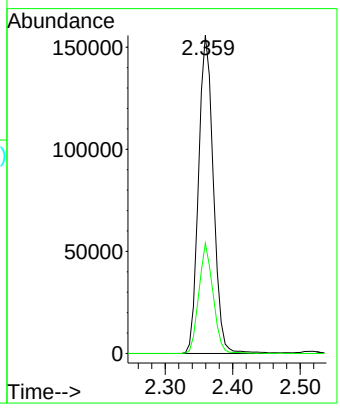




#3
Chloromethane
Concen: 91.628 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 50 Resp: 238104

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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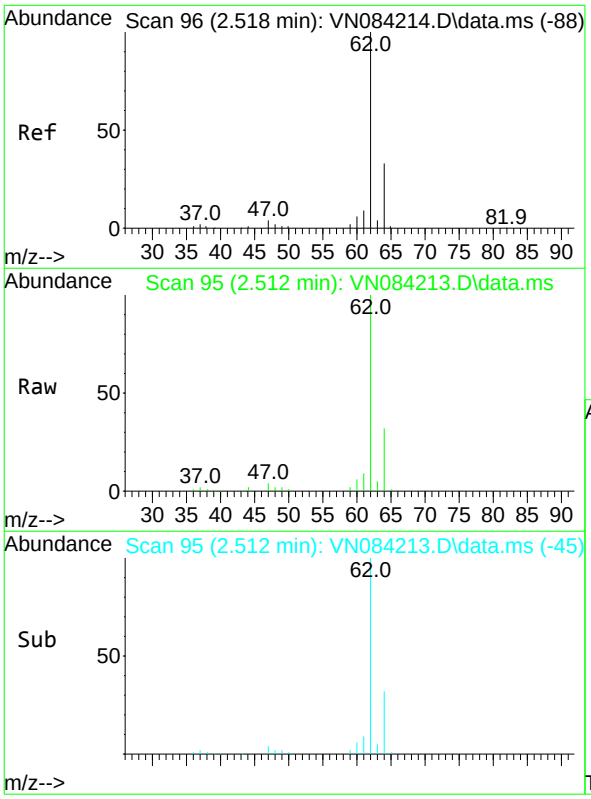
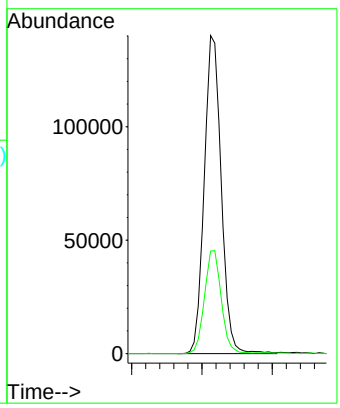
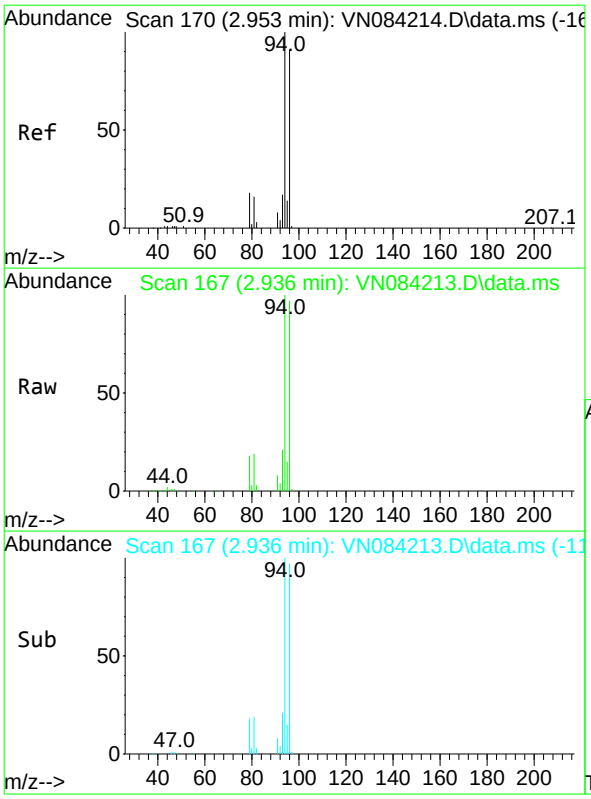


#4
Vinyl Chloride
Concen: 93.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 234942

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4

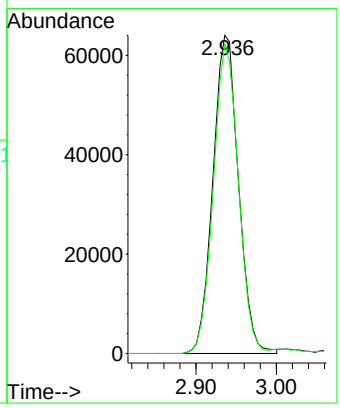




#5
Bromomethane
Concen: 85.288 ug/l
RT: 2.936 min Scan# 16
Delta R.T. -0.018 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 94 Resp: 141604

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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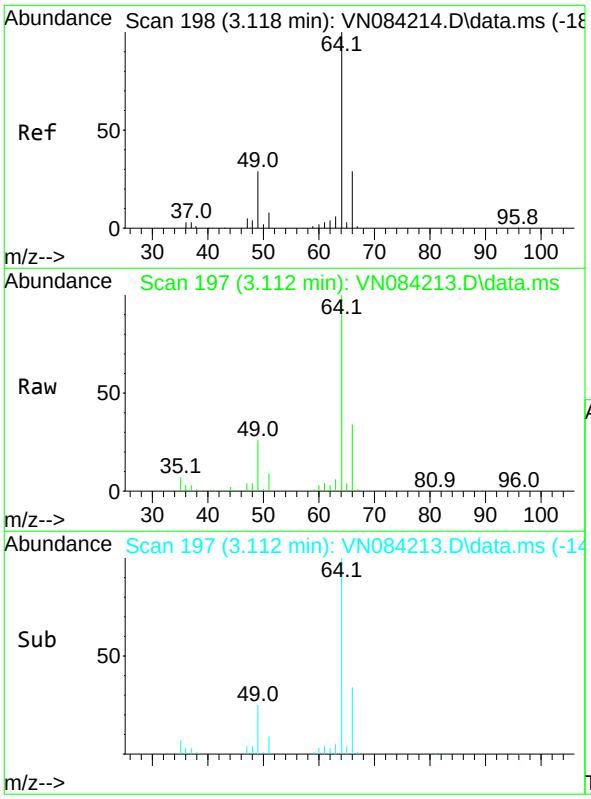
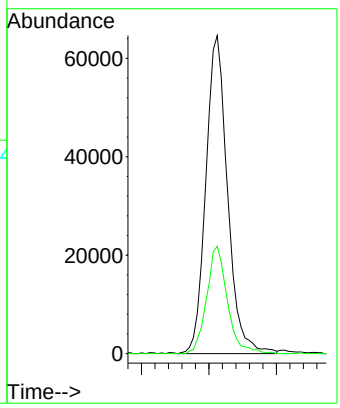
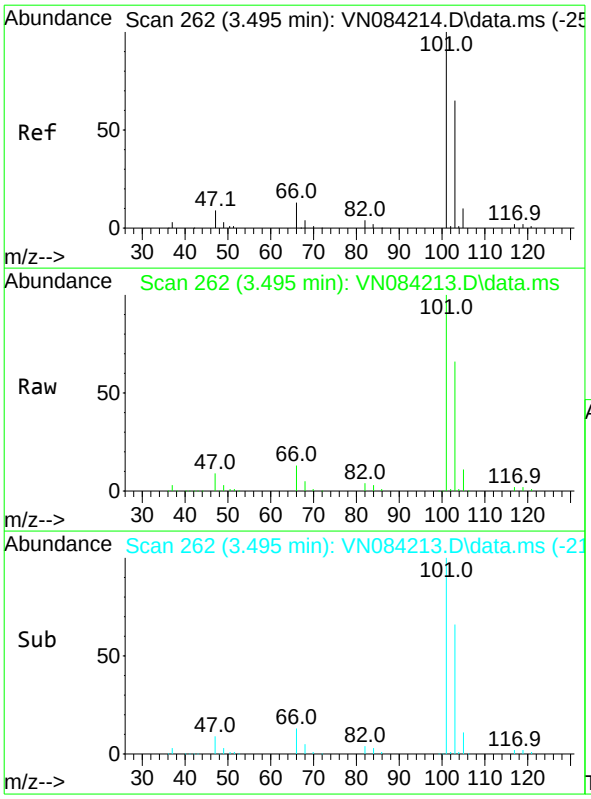


#6
Chloroethane
Concen: 80.099 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 64 Resp: 144394

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3

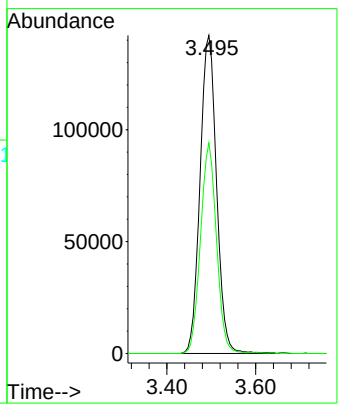




#7
Trichlorofluoromethane
Concen: 93.608 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:101 Resp: 366907

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
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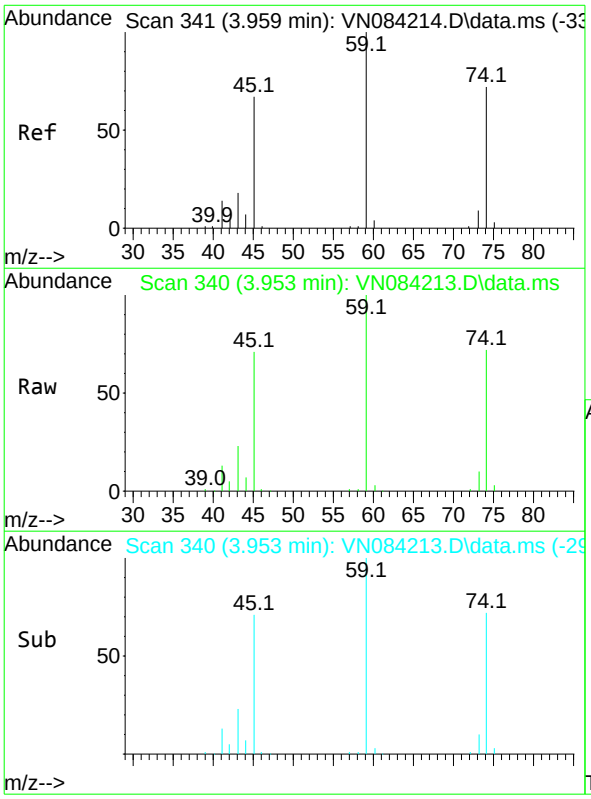
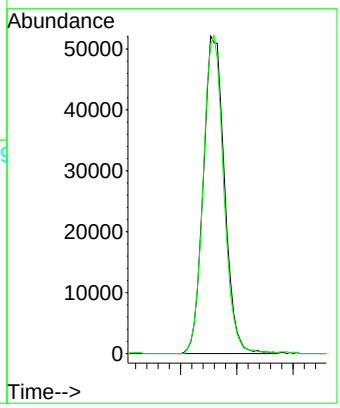
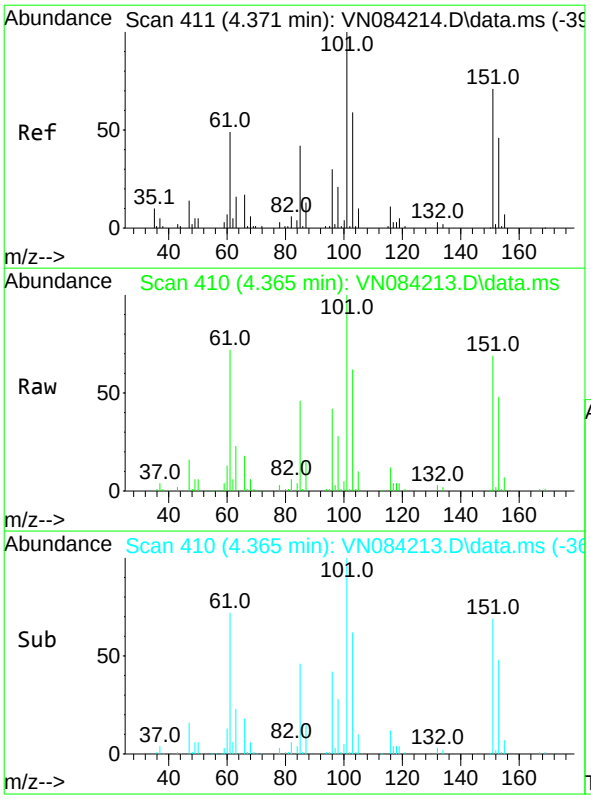


#8
Diethyl Ether
Concen: 93.854 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 74 Resp: 136436

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1

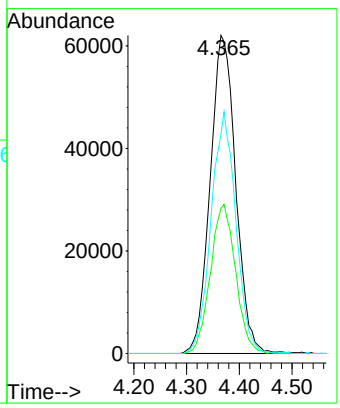




#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.811 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:101 Resp: 208443

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	74.1	59.3	88.9



Instrument :
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ClientSampleId :
VSTDICC100

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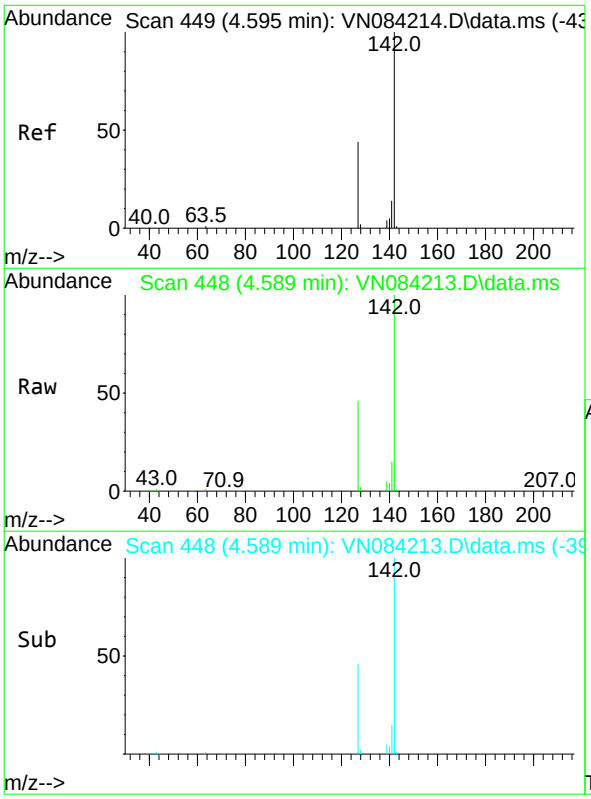
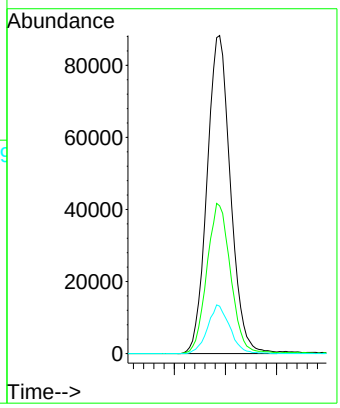
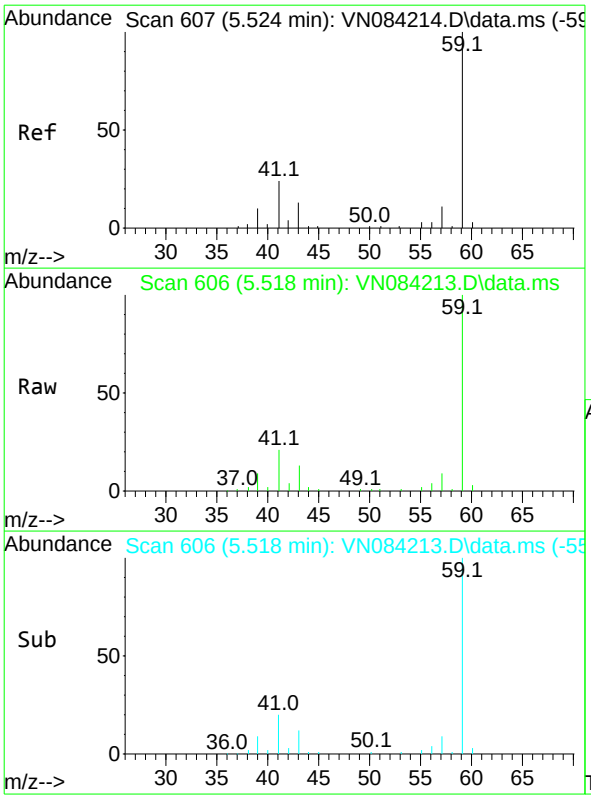


#10
Methyl Iodide
Concen: 97.248 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:142 Resp: 281269

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.3	52.9
141	14.9	11.0	16.6

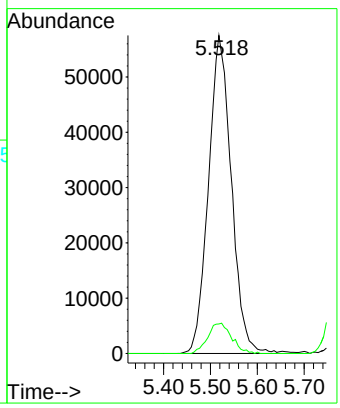




#11
Tert butyl alcohol
Concen: 414.018 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 59 Resp: 194750

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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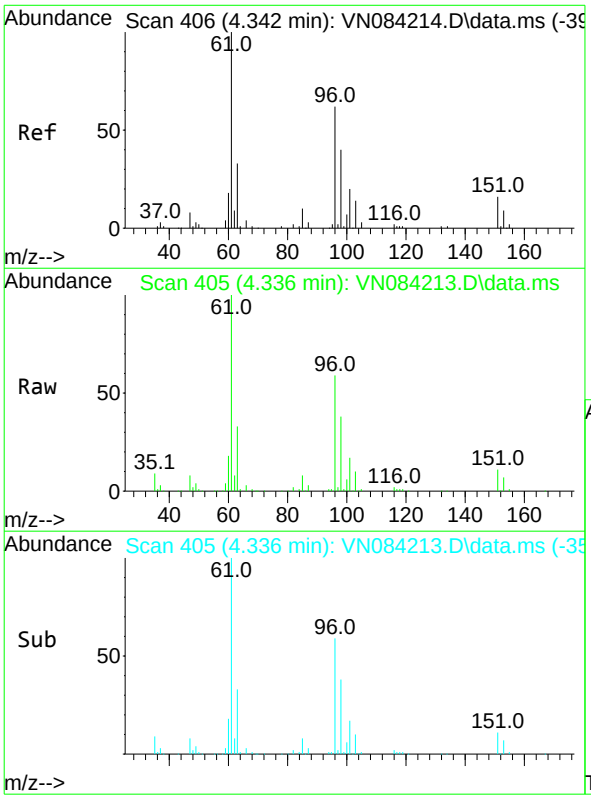
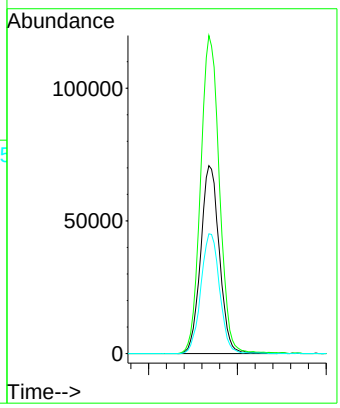
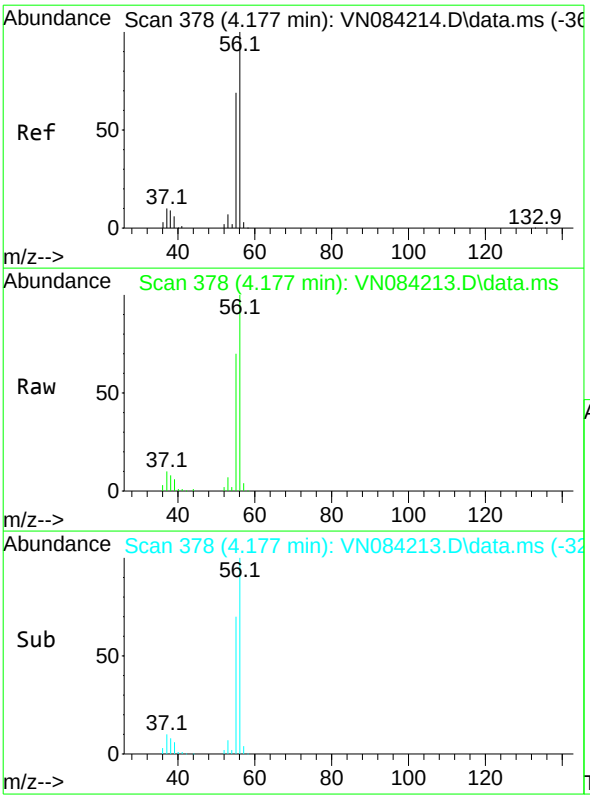


#12
1,1-Dichloroethene
Concen: 95.491 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 206863

Ion	Ratio	Lower	Upper
96	100		
61	169.2	128.6	192.8
98	63.7	51.7	77.5

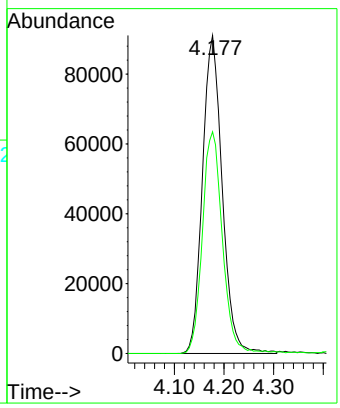




#13
Acrolein
Concen: 466.304 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 56 Resp: 251811

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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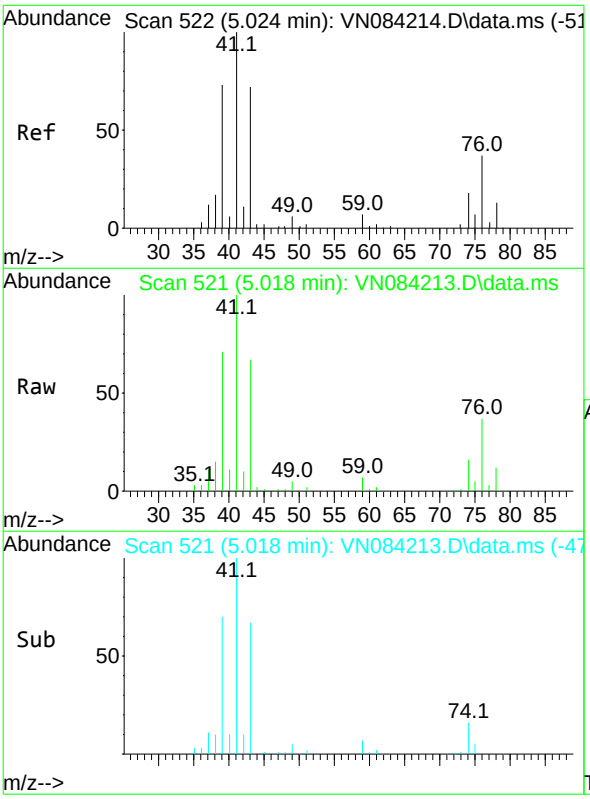
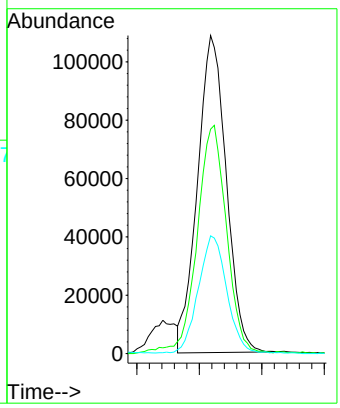
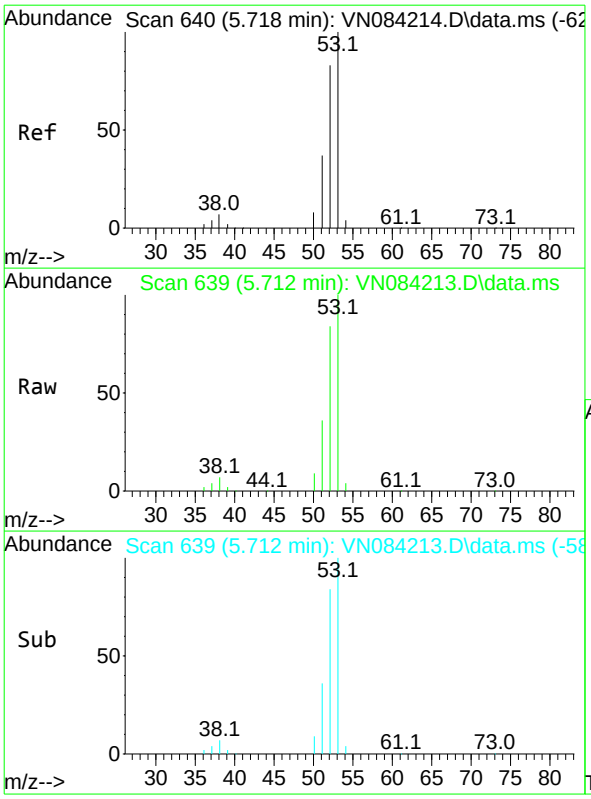


#14
Allyl chloride
Concen: 92.526 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 348108

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.0	88.6
76	36.4	29.8	44.6

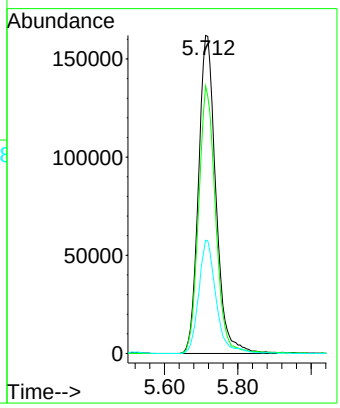




#15
Acrylonitrile
Concen: 448.931 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 53 Resp: 533270

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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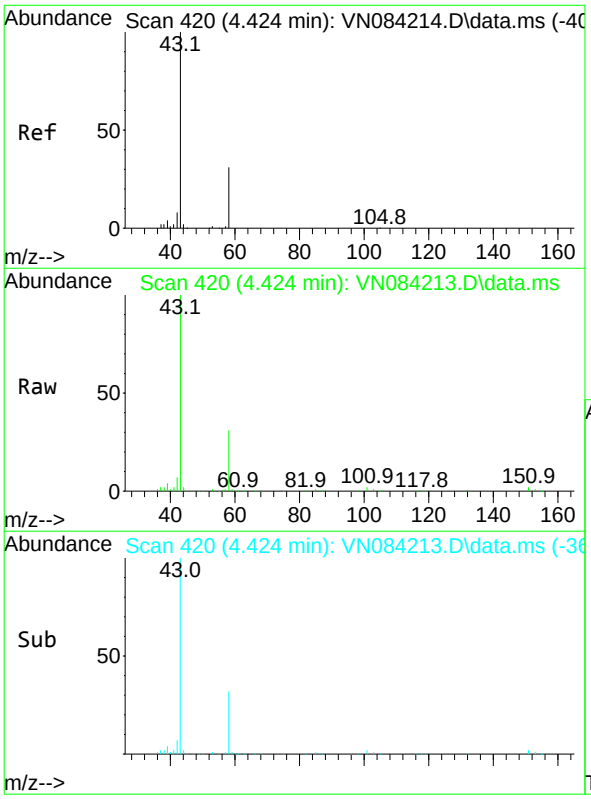
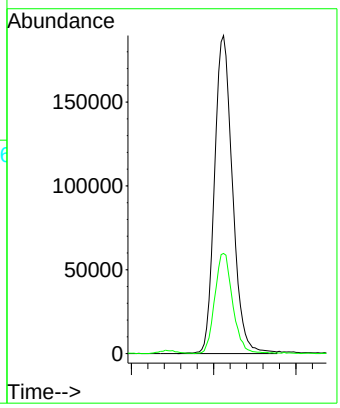
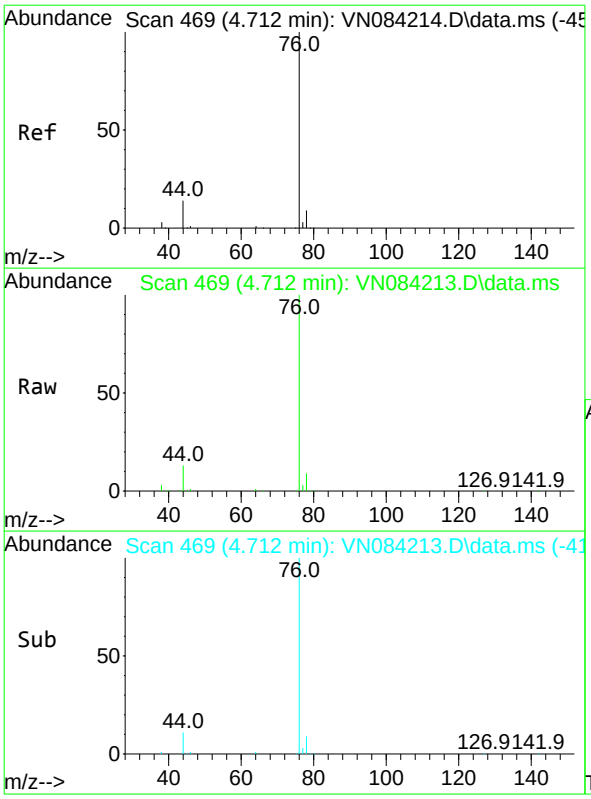


#16
Acetone
Concen: 470.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 576139

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6

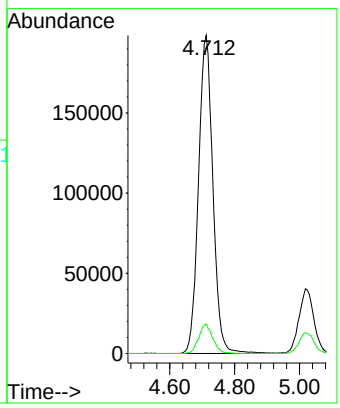




#17
Carbon Disulfide
Concen: 89.090 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 76 Resp: 611042

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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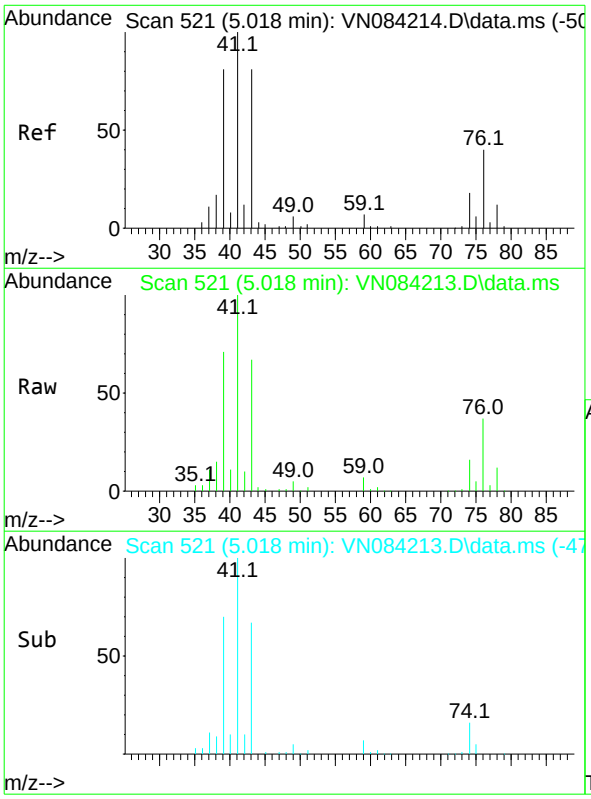
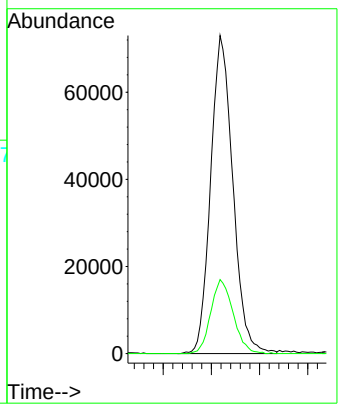
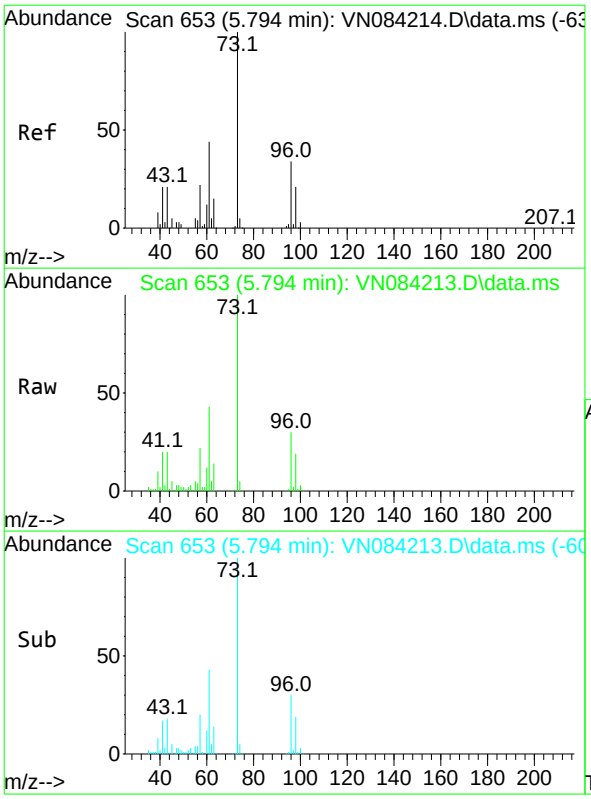


#18
Methyl Acetate
Concen: 87.499 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 233708

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8

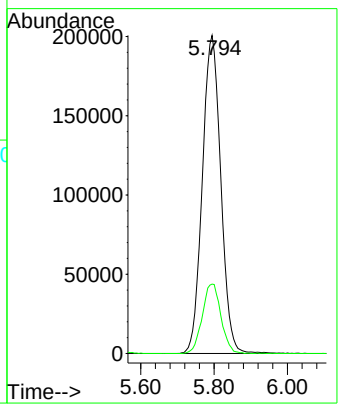




#19
Methyl tert-butyl Ether
Concen: 96.061 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 73 Resp: 702366

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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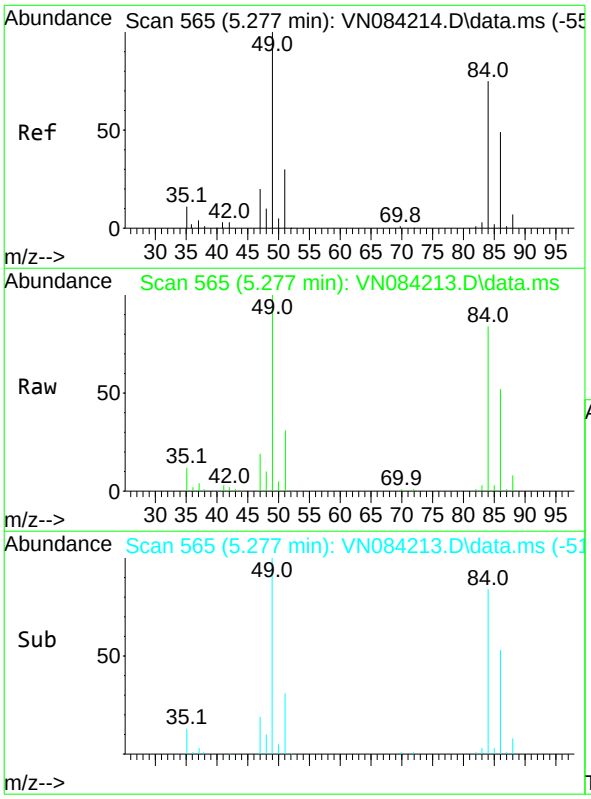
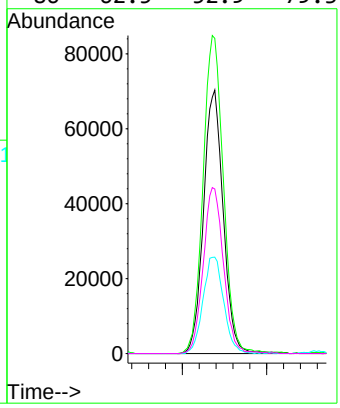
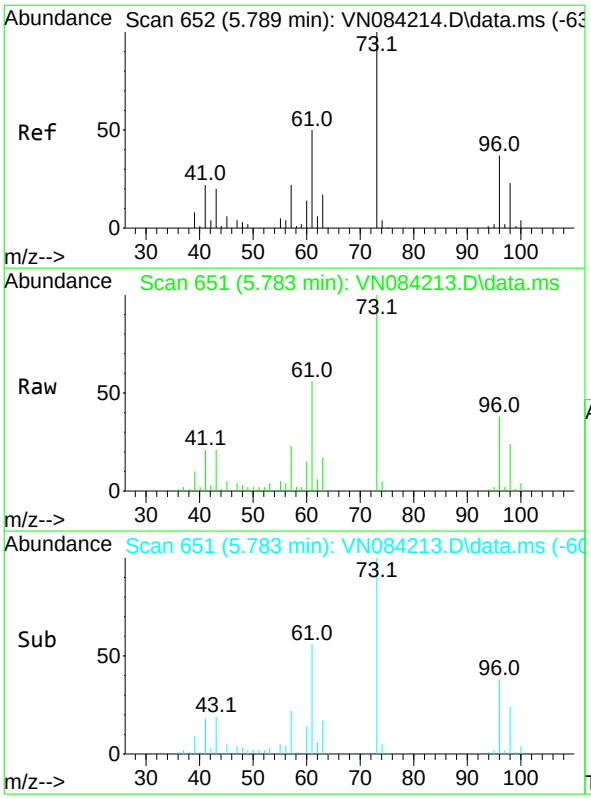


#20
Methylene Chloride
Concen: 91.809 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 84 Resp: 228706

Ion	Ratio	Lower	Upper
84	100		
49	119.6	107.2	160.8
51	36.6	31.8	47.8
86	62.5	52.9	79.3

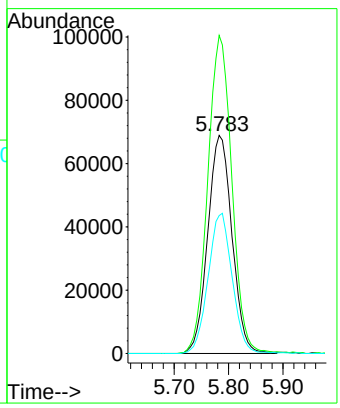




#21
trans-1,2-Dichloroethene
Concen: 94.160 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 213704

Ion	Ratio	Lower	Upper
96	100		
61	145.8	108.4	162.6
98	63.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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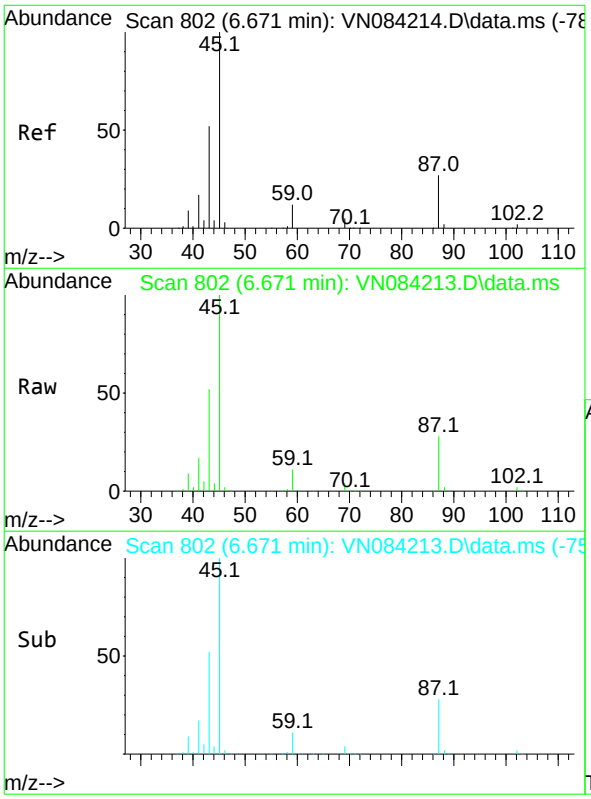
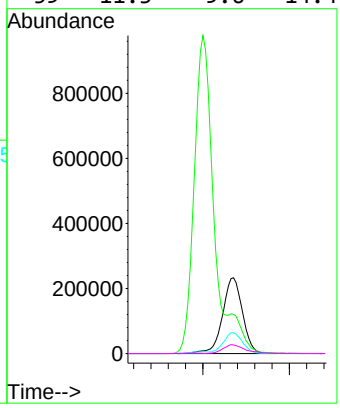
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

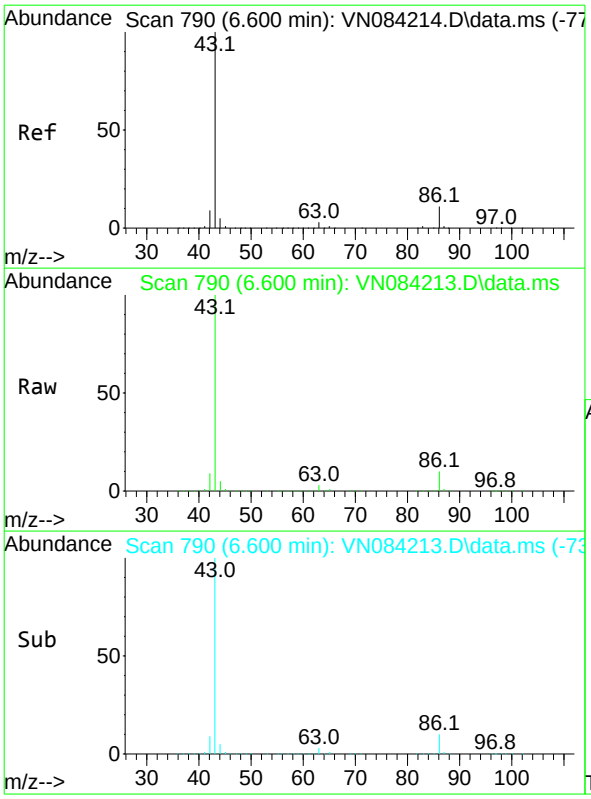


#22
Diisopropyl ether
Concen: 95.811 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 45 Resp: 745614

Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.3	63.5
87	27.4	21.8	32.6
59	11.3	9.6	14.4

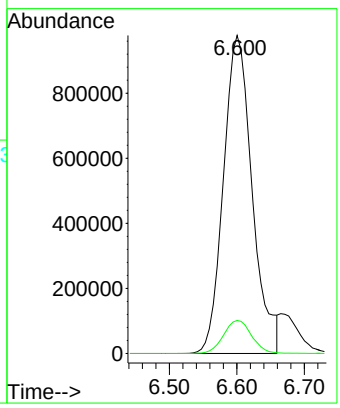




#23
Vinyl Acetate
Concen: 498.979 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 289542

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8



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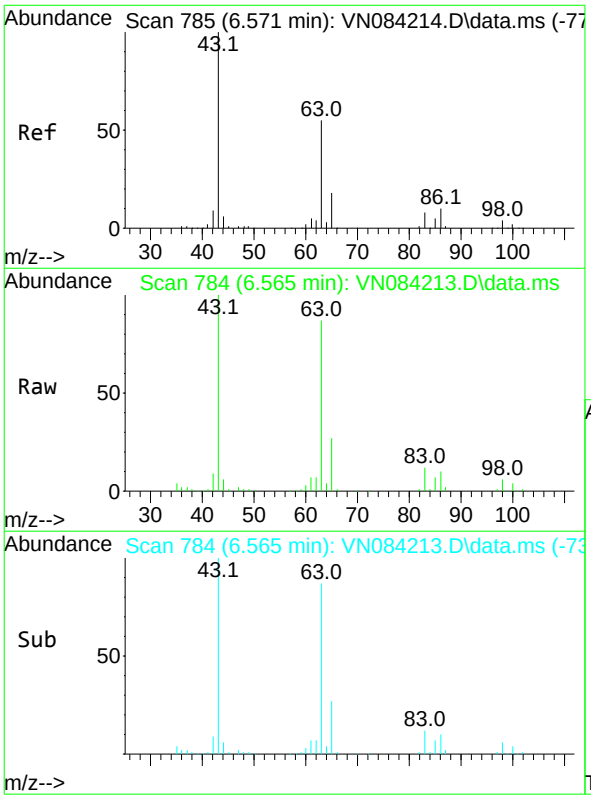
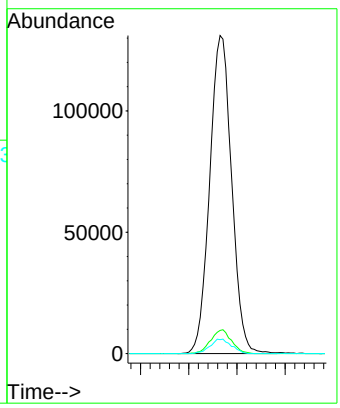
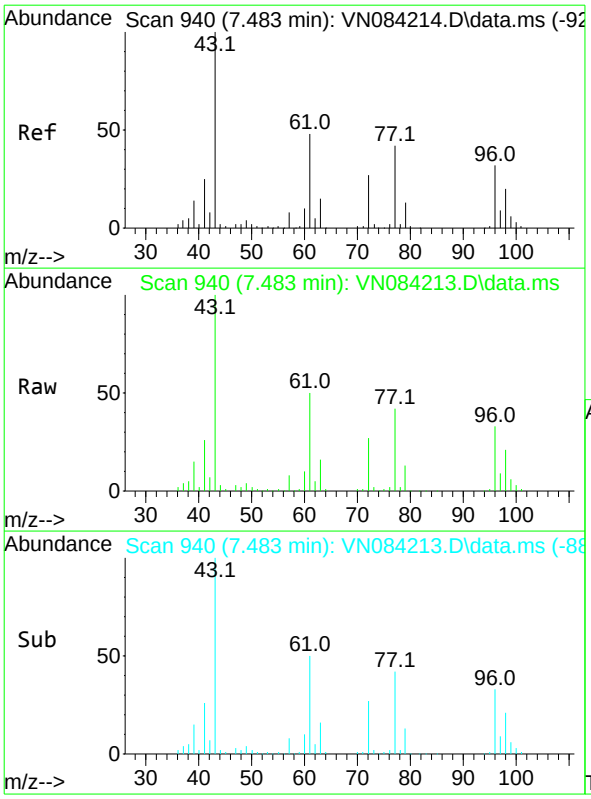


#24
1,1-Dichloroethane
Concen: 95.021 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 413523

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.4	2.0	5.8

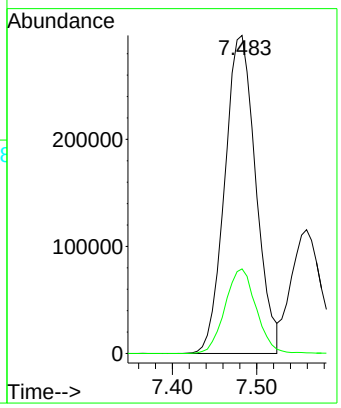




#25
2-Butanone
Concen: 454.946 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 759354

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2



Instrument :
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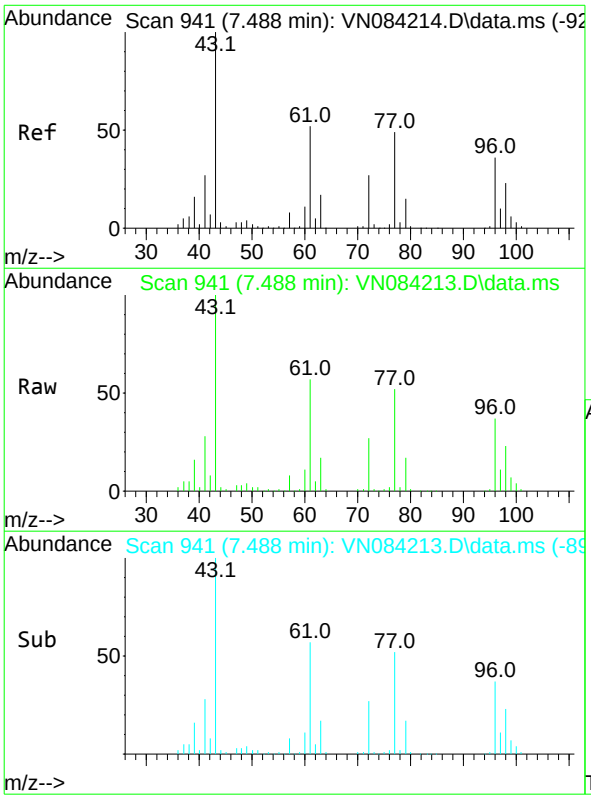
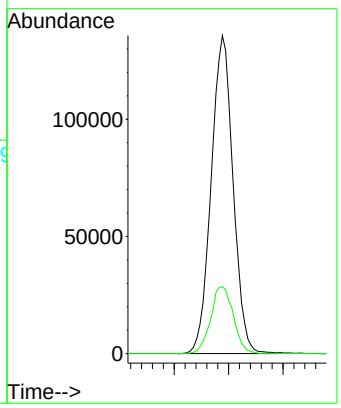
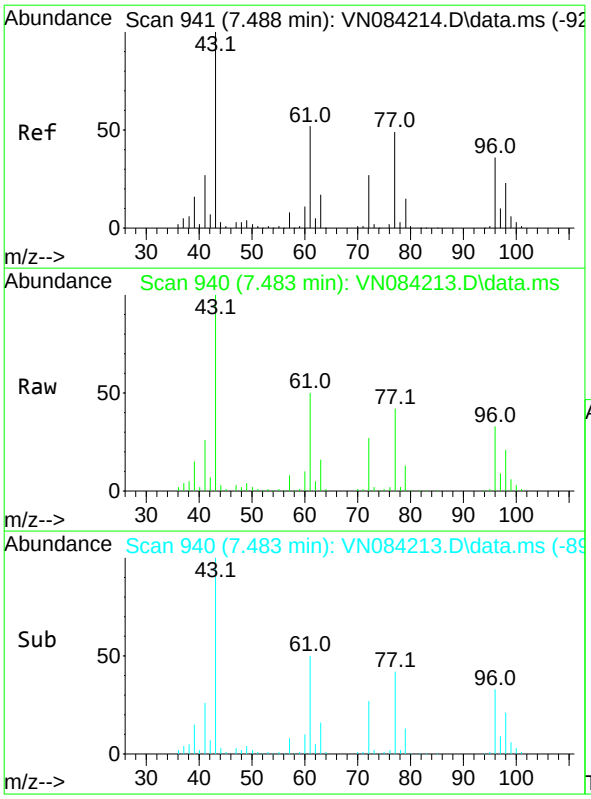


#26
2,2-Dichloropropane
Concen: 96.560 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 77 Resp: 378893

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

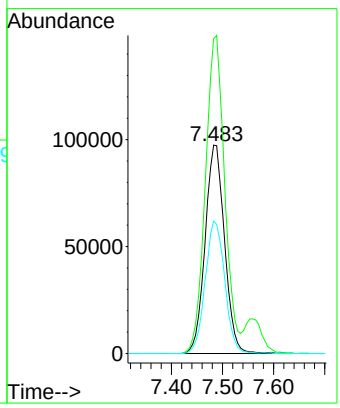




#27
cis-1,2-Dichloroethene
Concen: 93.962 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 257696

Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	301.8
98	63.8	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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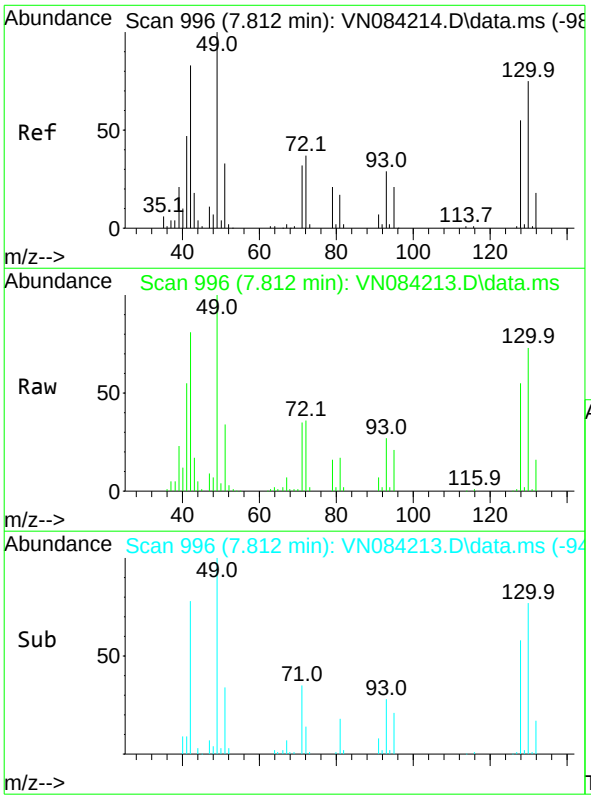
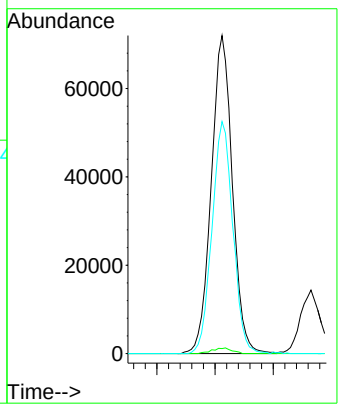
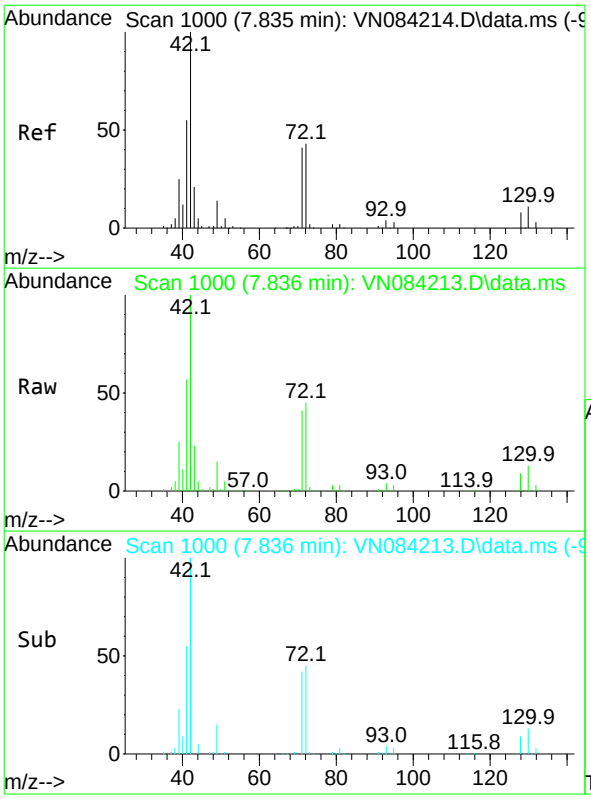


#28
Bromochloromethane
Concen: 93.497 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 49 Resp: 181546

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	72.1	58.0	87.0

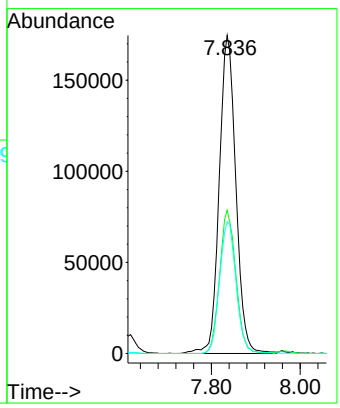




#29
Tetrahydrofuran
Concen: 440.124 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 42 Resp: 453342

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	41.2	32.2	48.4



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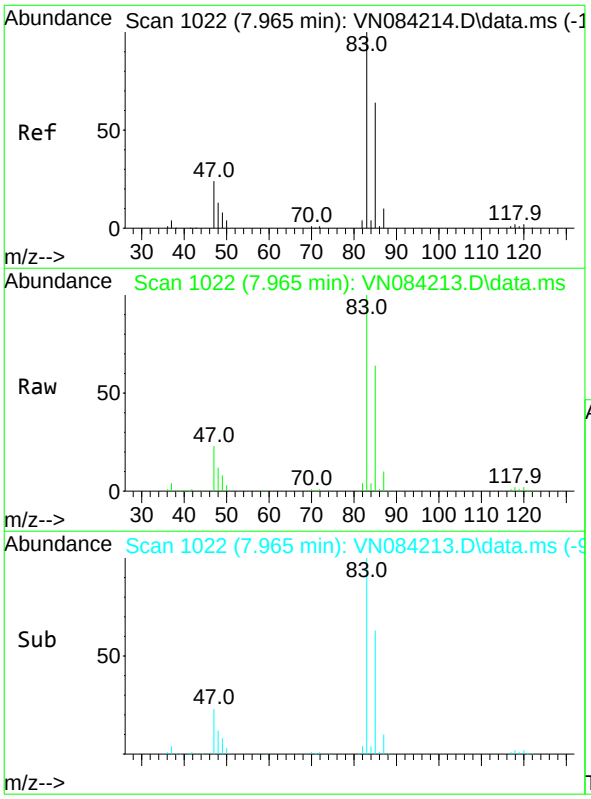
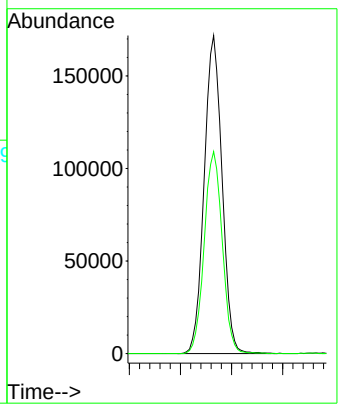
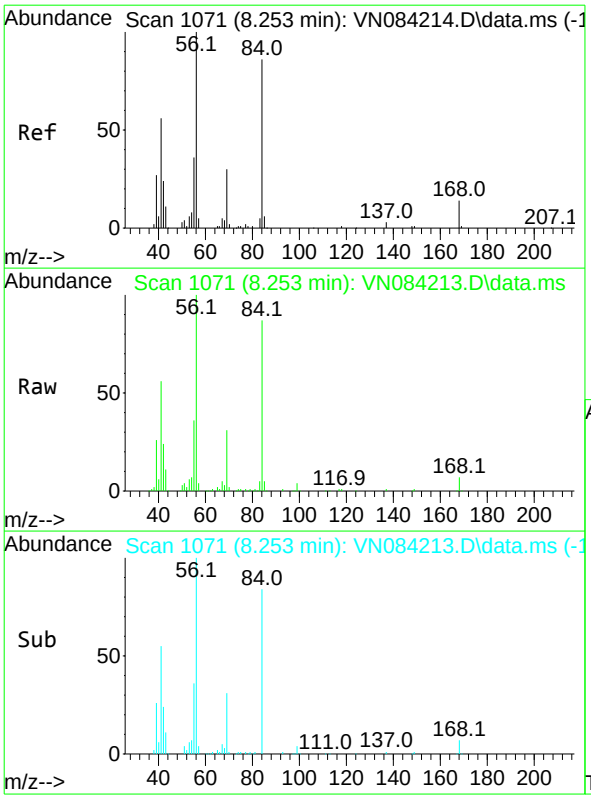


#30
Chloroform
Concen: 92.156 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 416595

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4

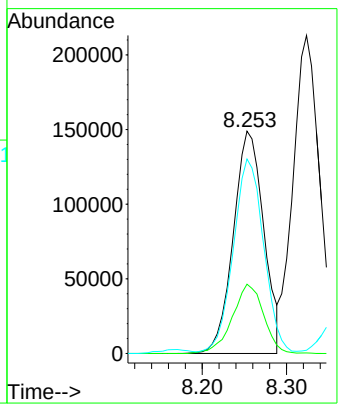




#31
Cyclohexane
Concen: 88.380 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 56 Resp: 373445

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	85.7	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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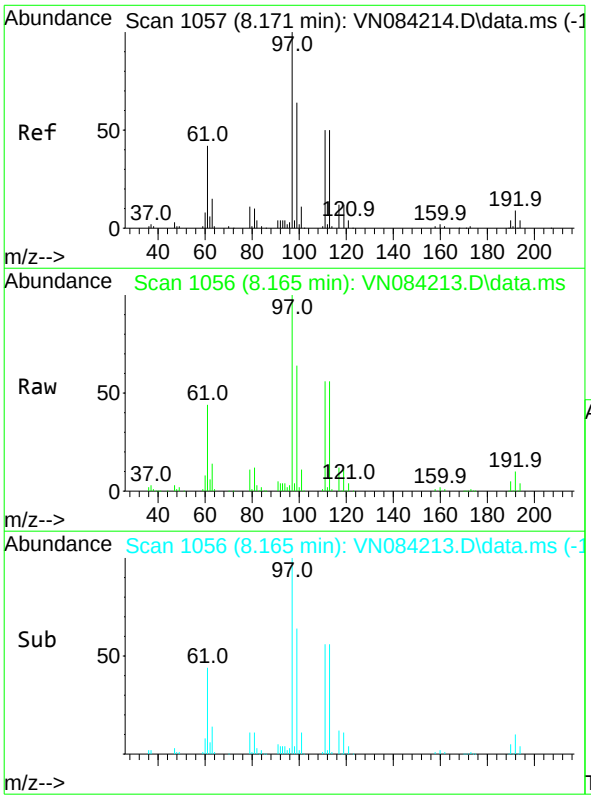
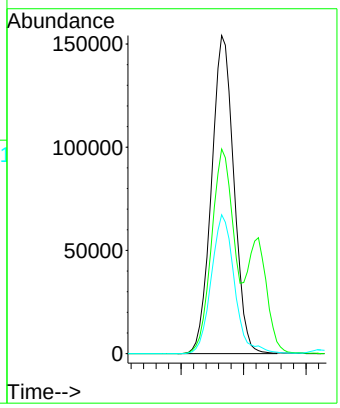
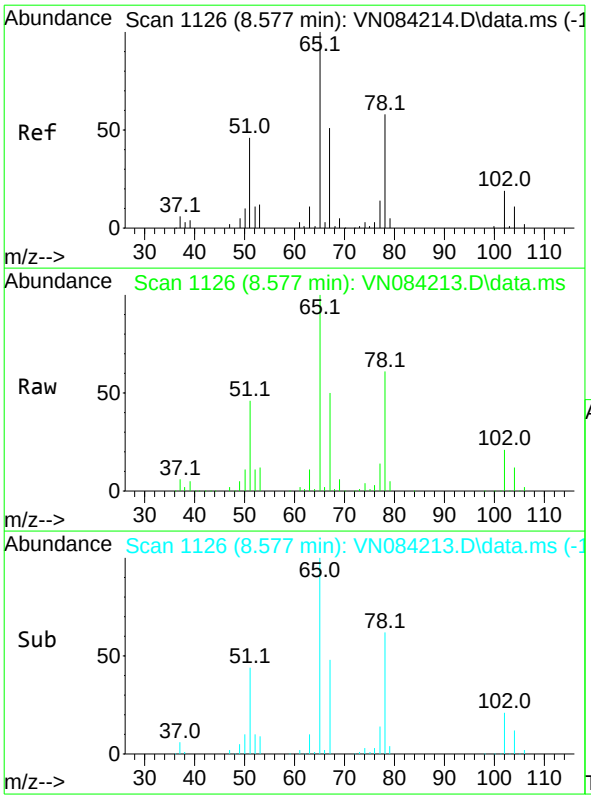


#32
1,1,1-Trichloroethane
Concen: 94.476 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 97 Resp: 383566

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	45.2	37.5	56.3

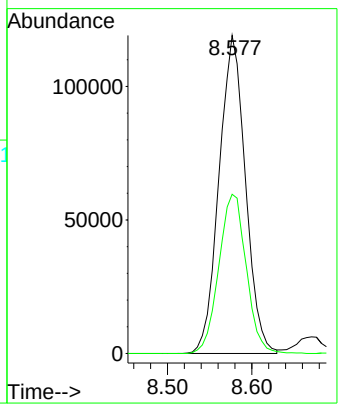




#33
1,2-Dichloroethane-d4
Concen: 90.797 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 65 Resp: 259018

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



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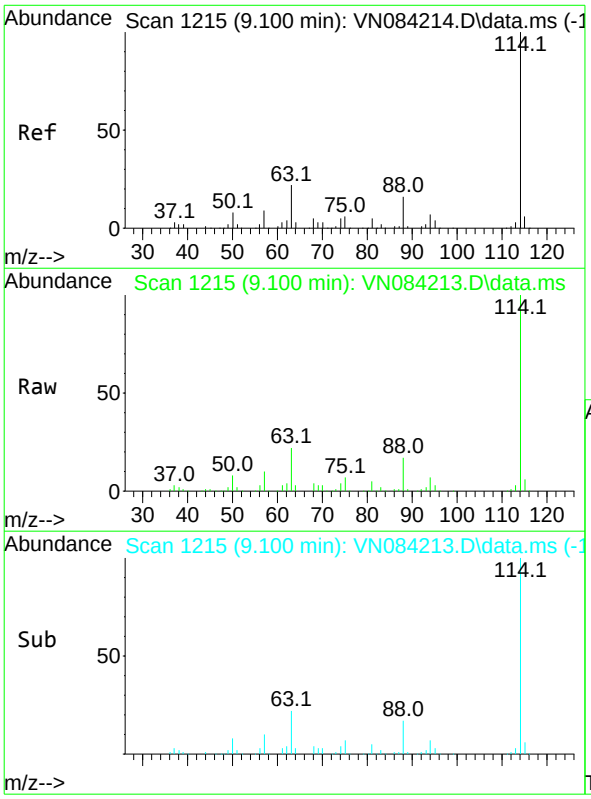
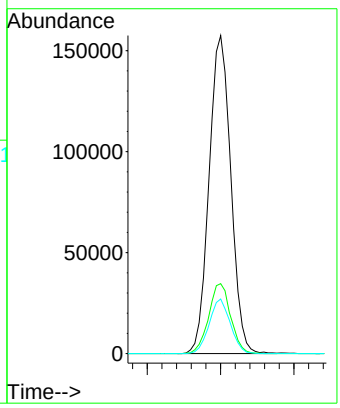
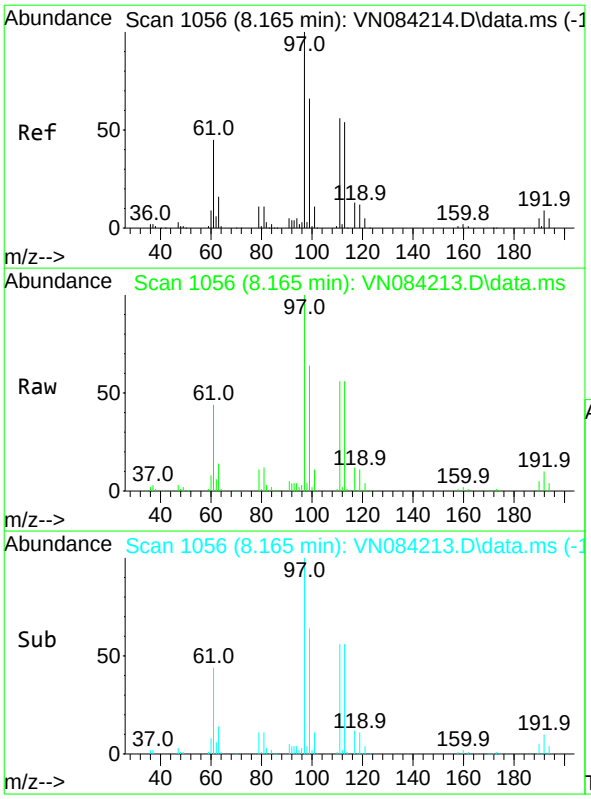


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:114 Resp: 324582

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	17.2	0.0	31.6

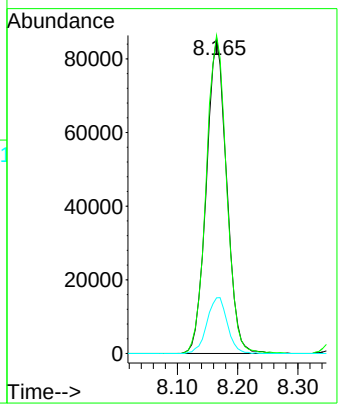




#35
Dibromofluoromethane
Concen: 93.542 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:113 Resp: 200166

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	17.8	13.5	20.3



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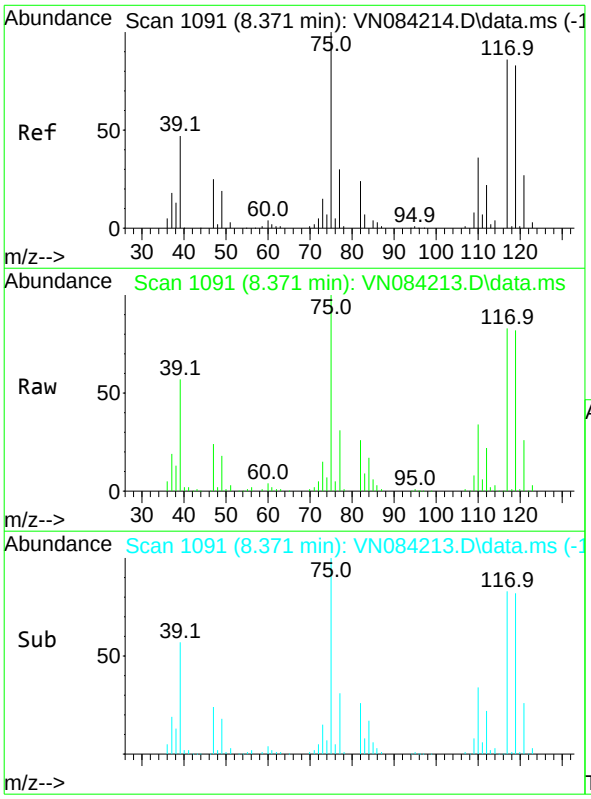
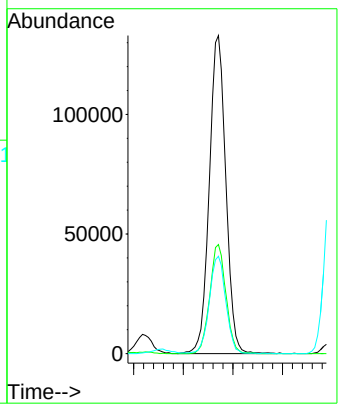
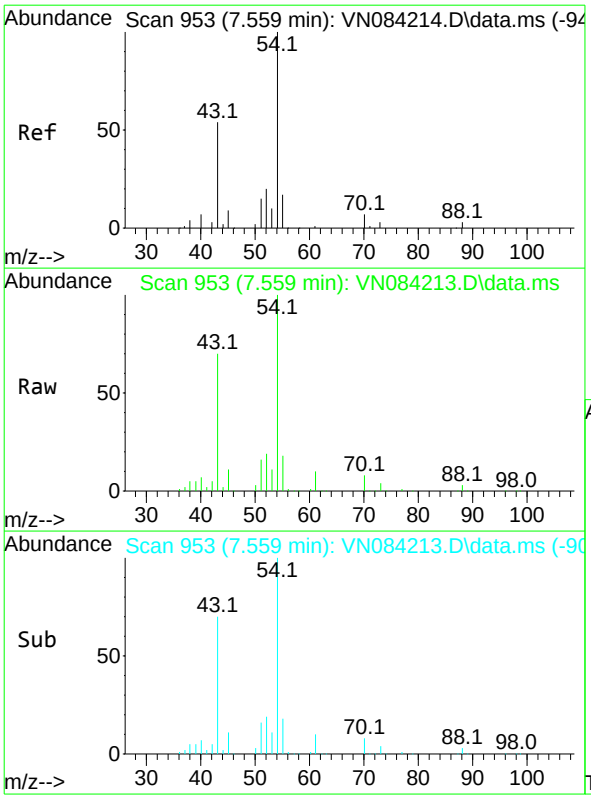


#36
1,1-Dichloropropene
Concen: 98.969 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 307616

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.5	24.7	37.1

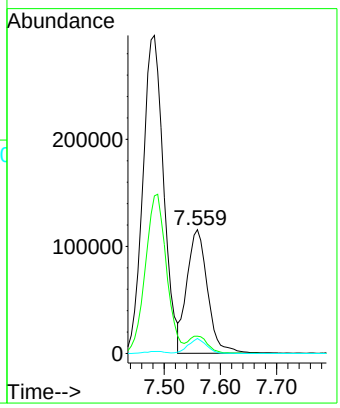




#37
Ethyl Acetate
Concen: 92.073 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 293597

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.8	13.2



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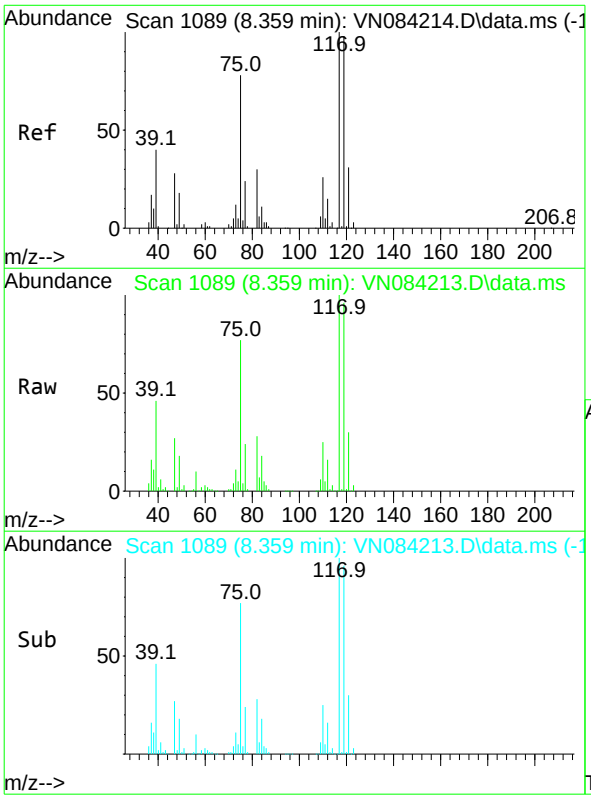
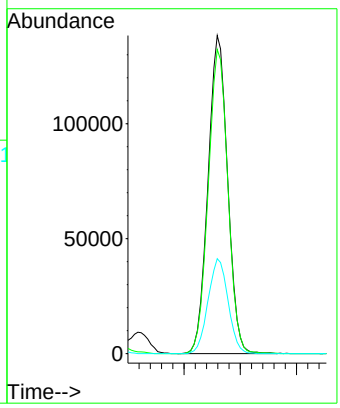
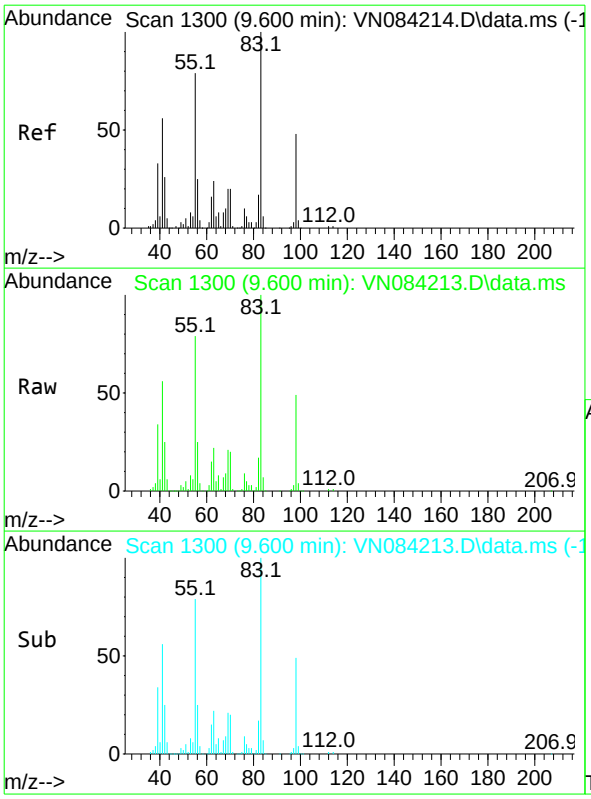


#38
Carbon Tetrachloride
Concen: 98.077 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 334398

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.7	118.1
121	29.8	24.4	36.6

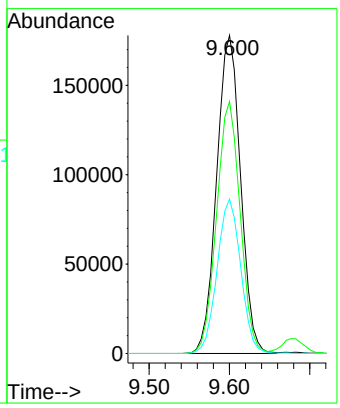




#39
Methylcyclohexane
Concen: 106.466 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 368299

Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.8	94.2
98	48.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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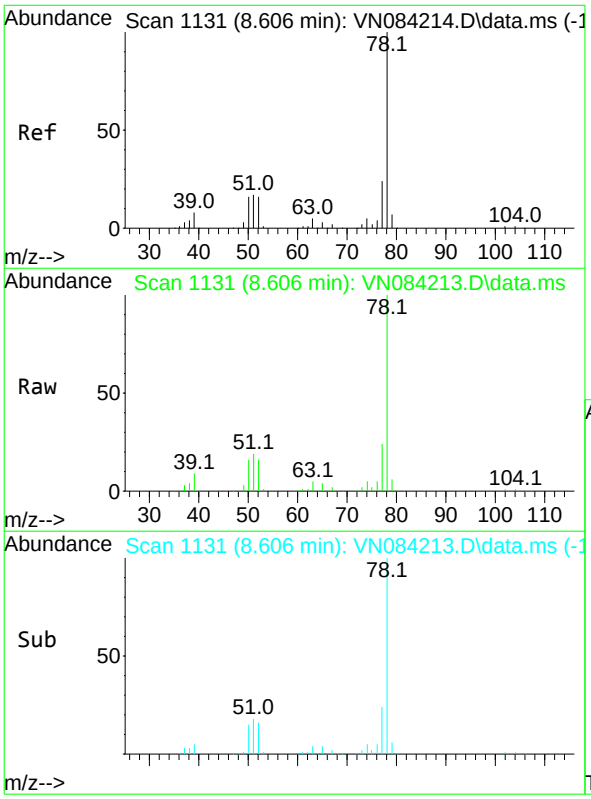
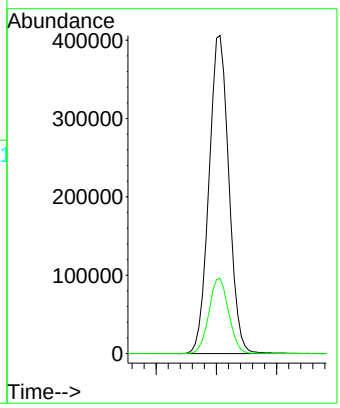
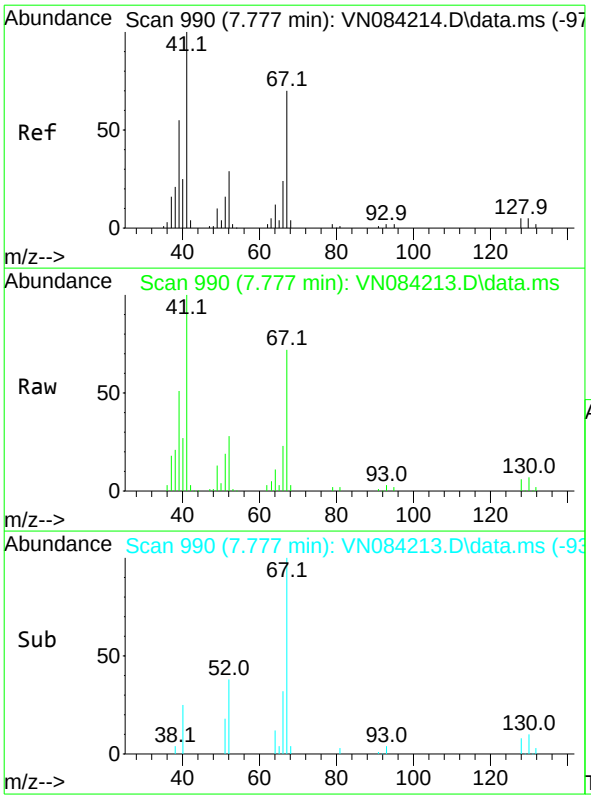


#40
Benzene
Concen: 96.145 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 78 Resp: 931076

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7

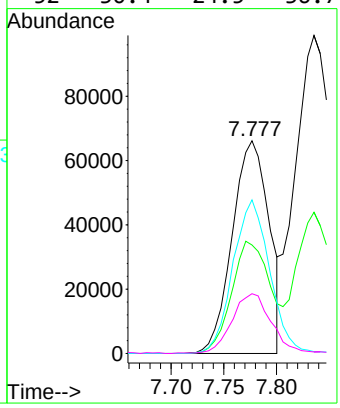




#41
Methacrylonitrile
Concen: 92.581 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 160270

Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.3	64.9
67	72.4	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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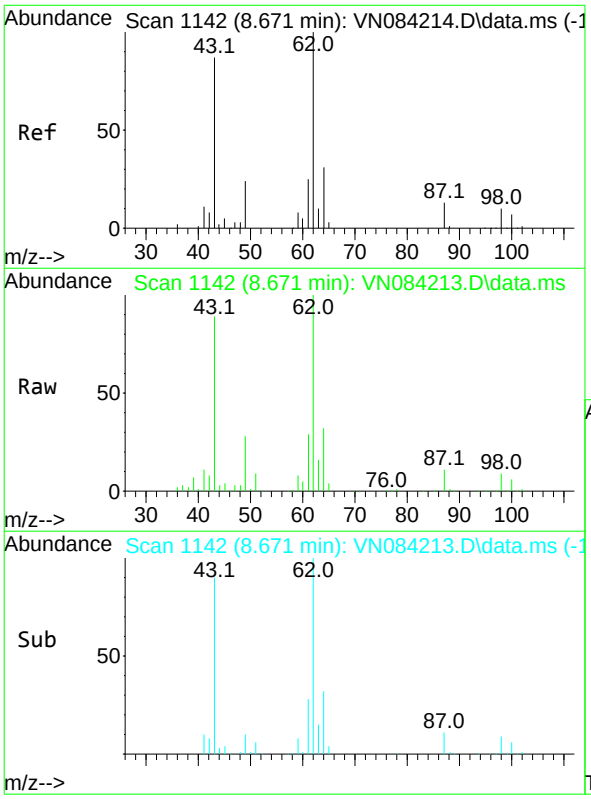
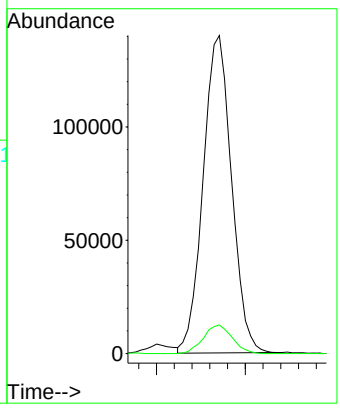
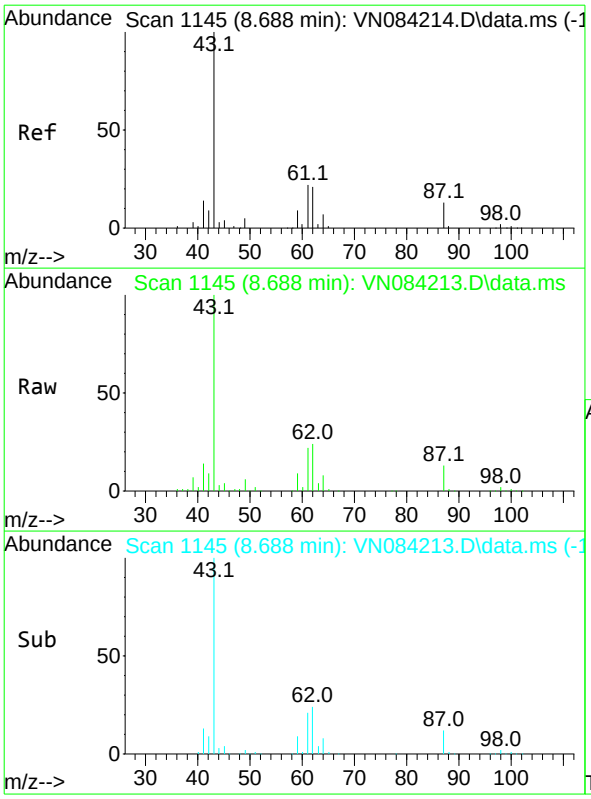


#42
1,2-Dichloroethane
Concen: 94.900 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 311563

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

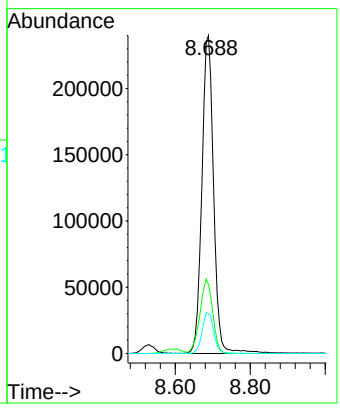




#43
Isopropyl Acetate
Concen: 83.581 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 521814

Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.4	30.6
87	12.6	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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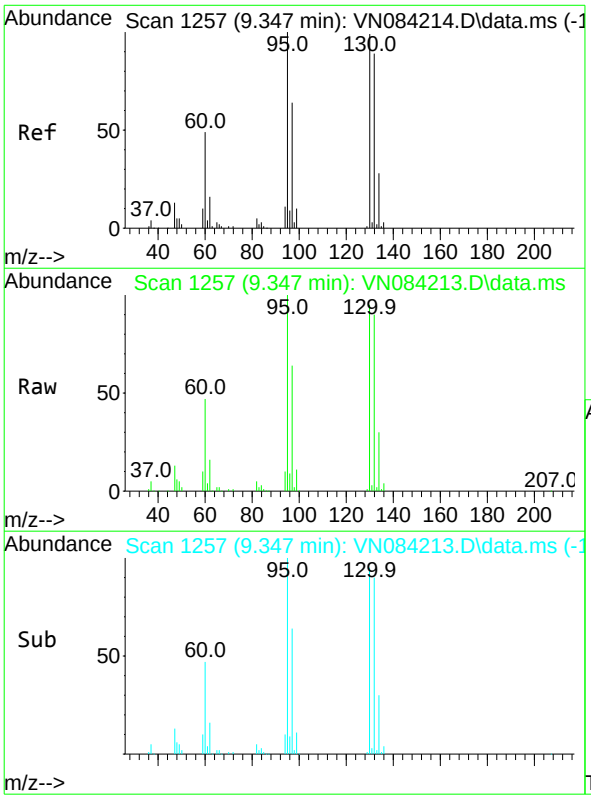
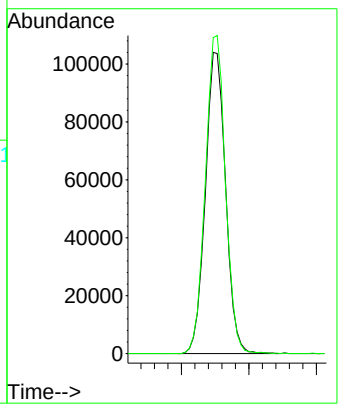
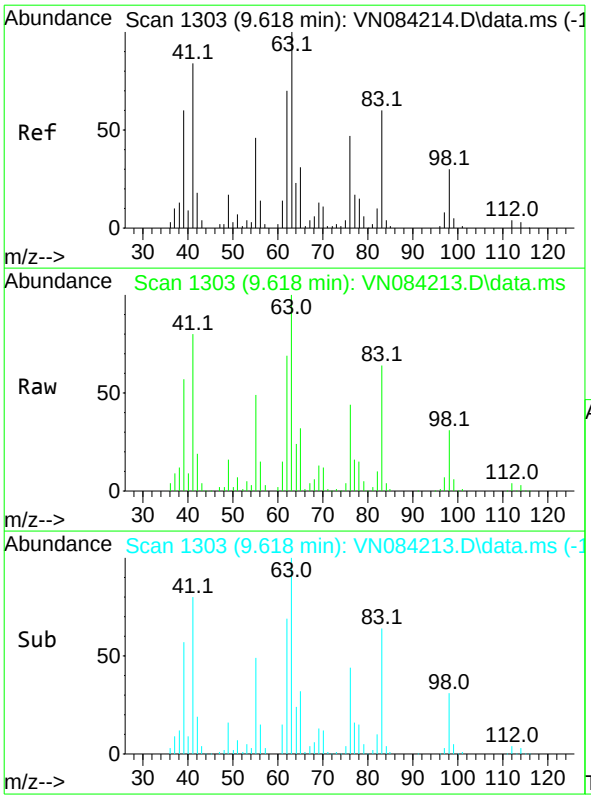


#44
Trichloroethene
Concen: 95.798 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:130 Resp: 216678

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.0

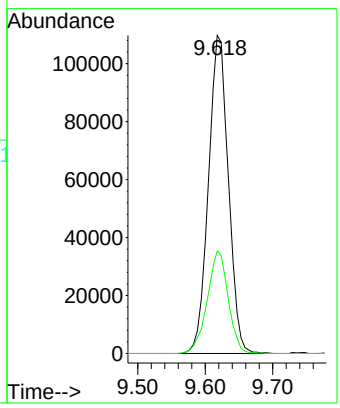




#45
1,2-Dichloropropane
Concen: 98.095 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 224724

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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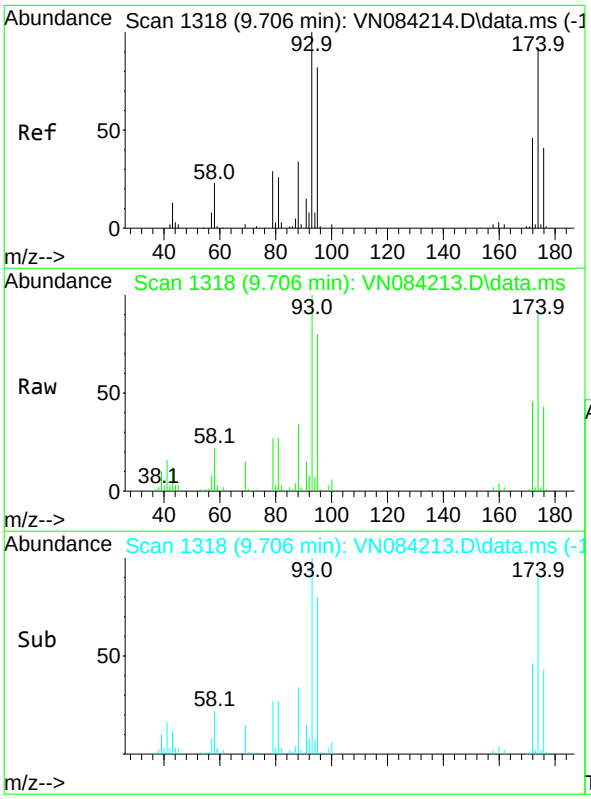
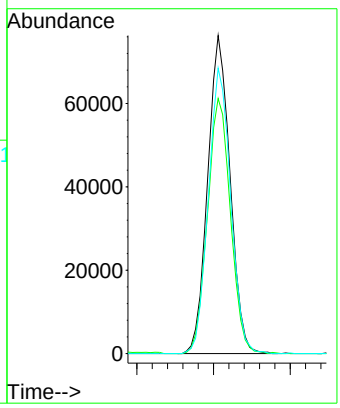
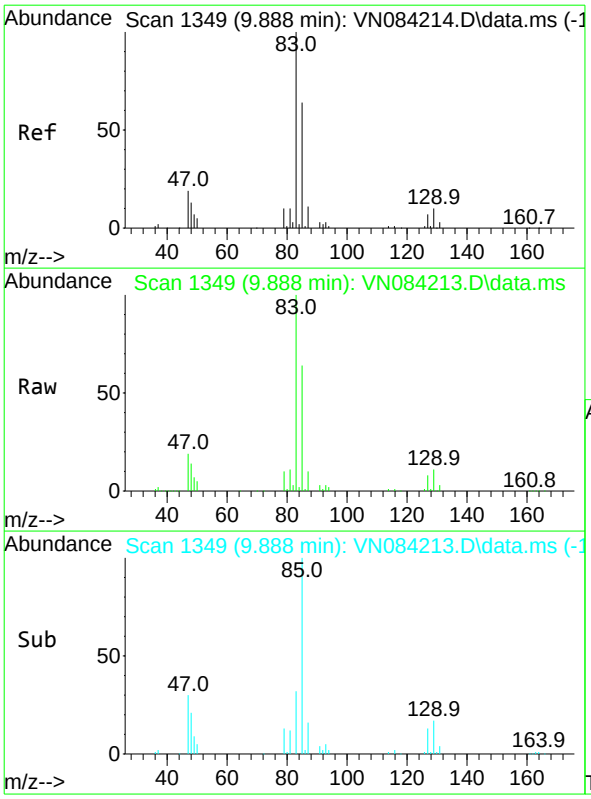


#46
Dibromomethane
Concen: 100.091 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 93 Resp: 154739

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.4
174	89.5	71.8	107.8

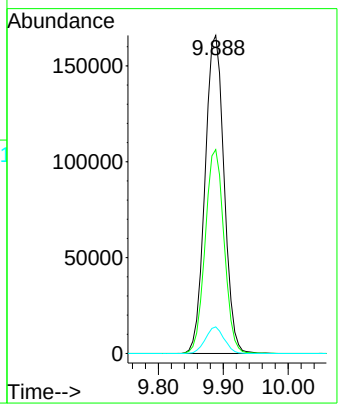




#47
Bromodichloromethane
Concen: 98.526 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 338406

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.4	5.7	8.5



Instrument :
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ClientSampleId :
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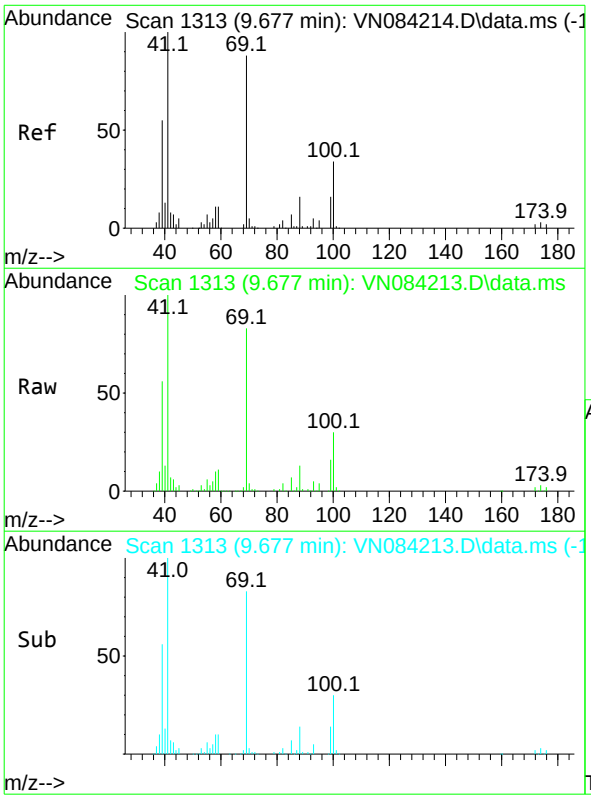
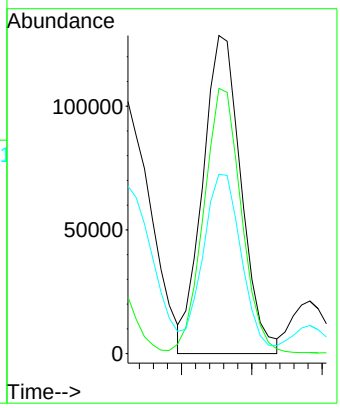
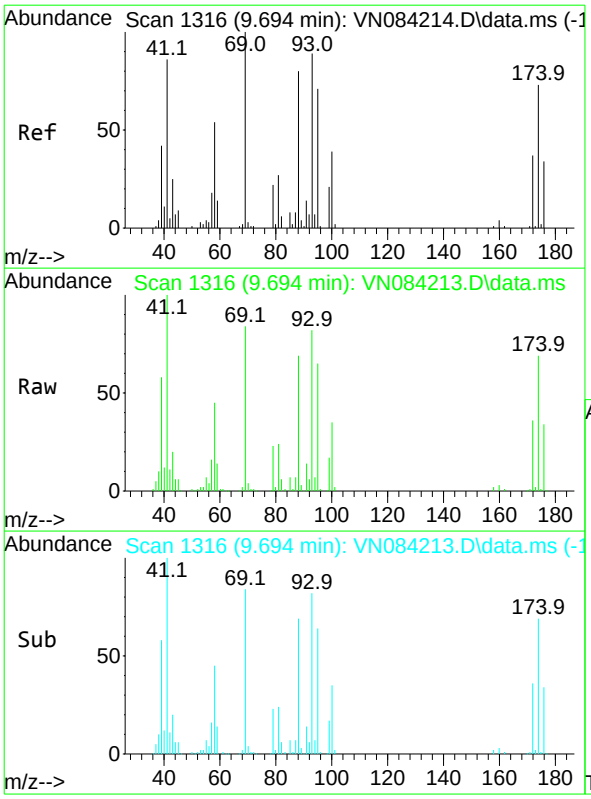


#48
Methyl methacrylate
Concen: 98.163 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 244061

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	57.1	45.8	68.6

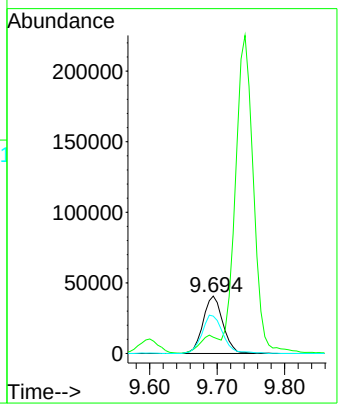




#49
1,4-Dioxane
Concen: 1810.110 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 88 Resp: 82854

Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.3	37.9
58	70.9	56.4	84.6



Instrument :
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ClientSampleId :
VSTDICC100

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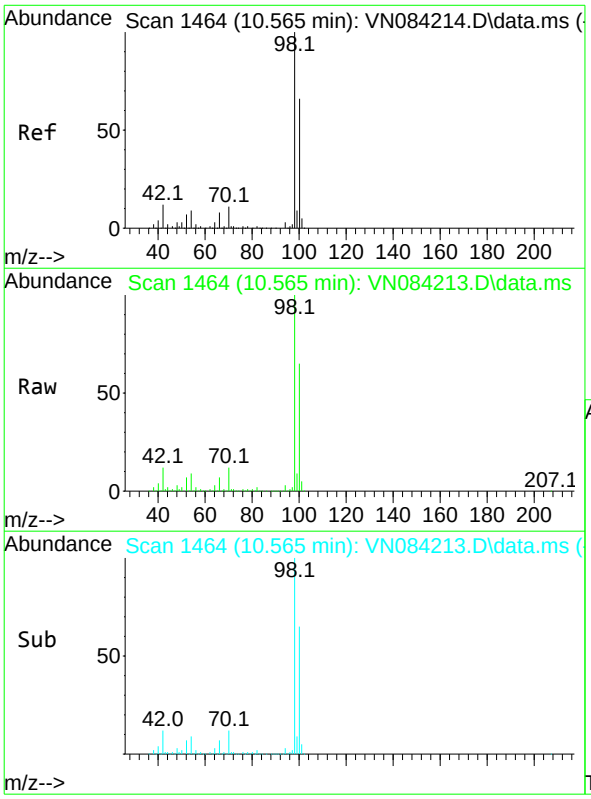
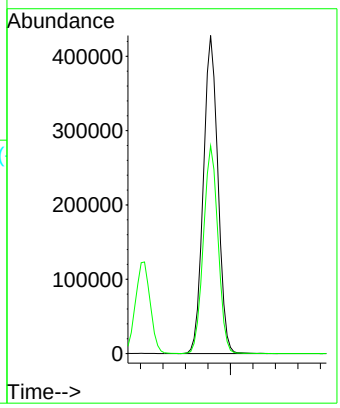
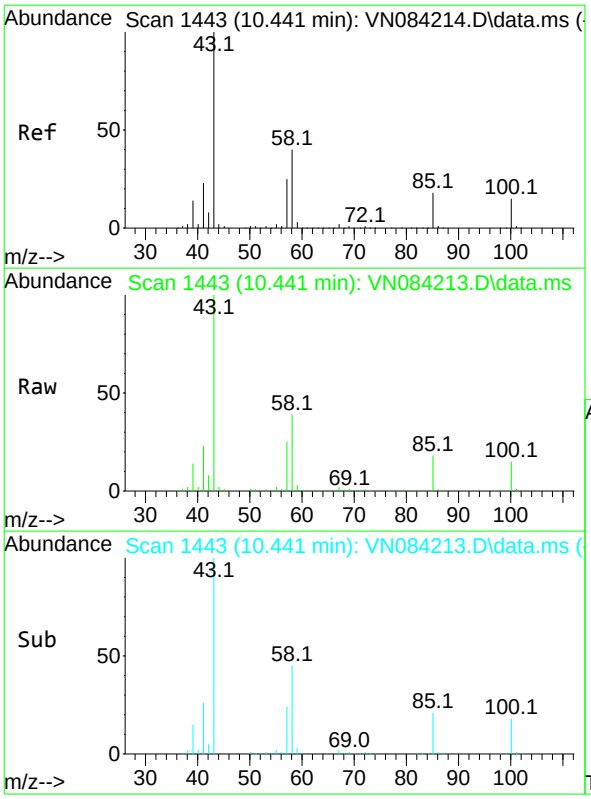


#50
Toluene-d8
Concen: 98.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 98 Resp: 772146

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

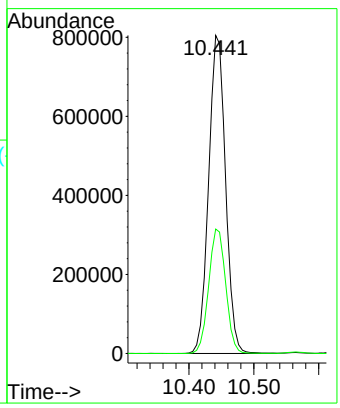




#51
4-Methyl-2-Pentanone
Concen: 479.699 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 1456154

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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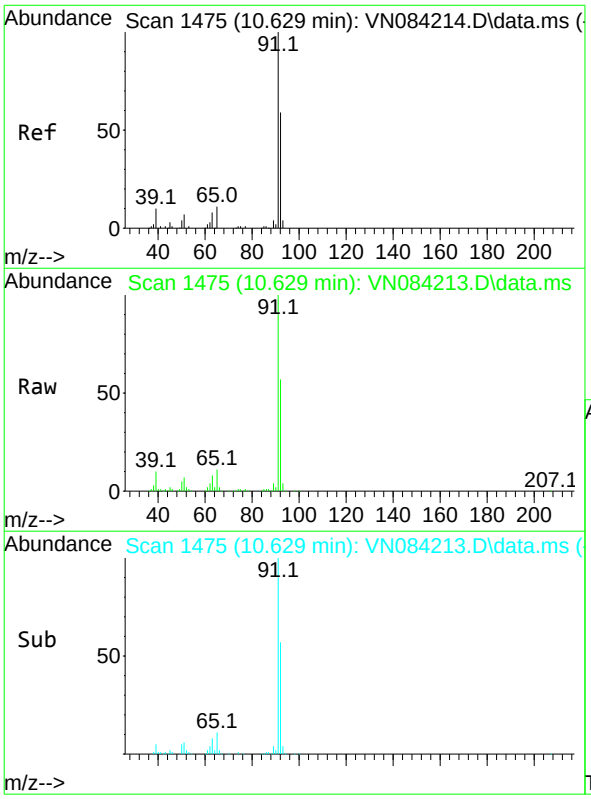
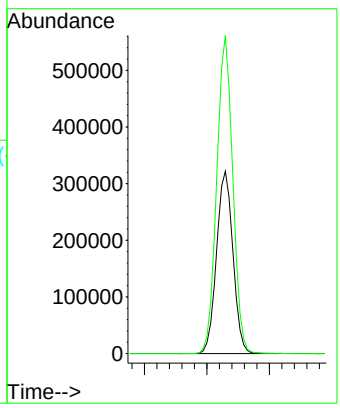
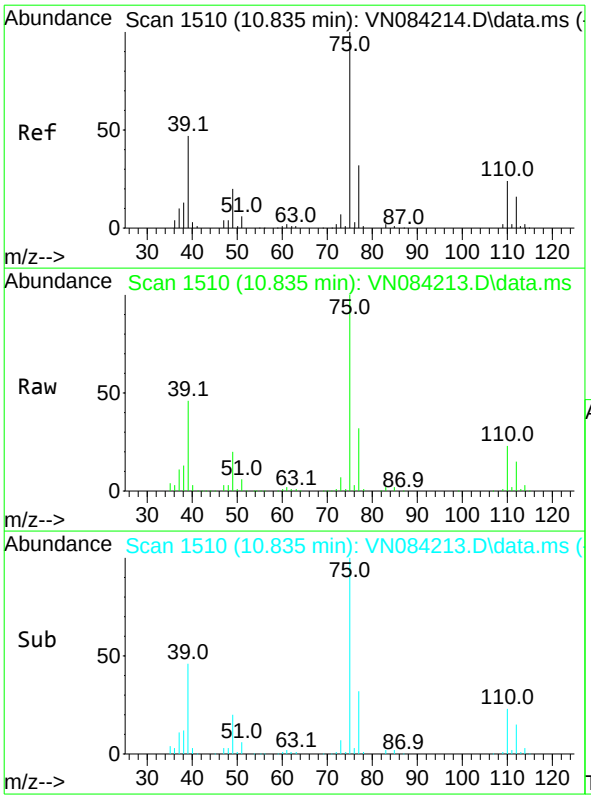


#52
Toluene
Concen: 99.324 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 92 Resp: 586544

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

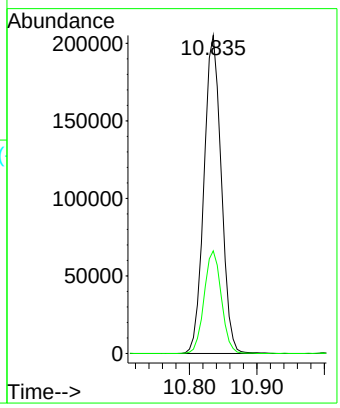




#53
t-1,3-Dichloropropene
Concen: 104.280 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 365099

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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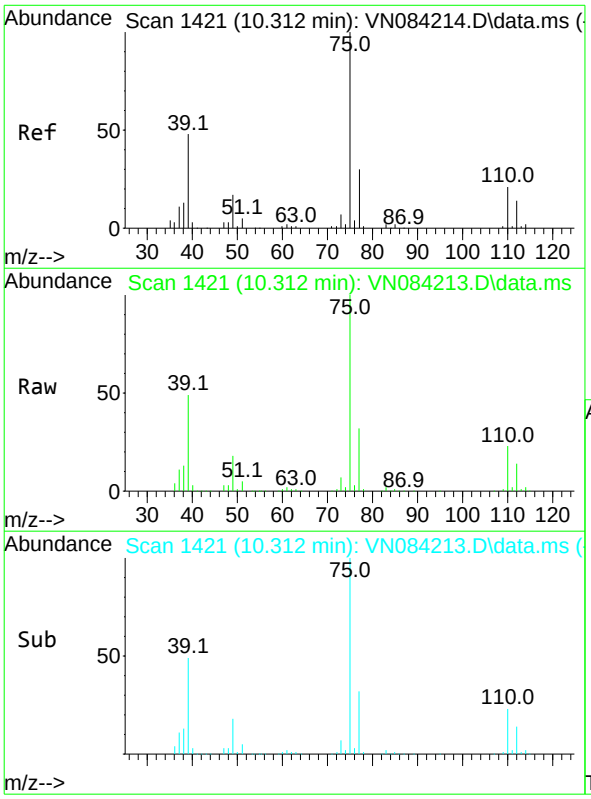
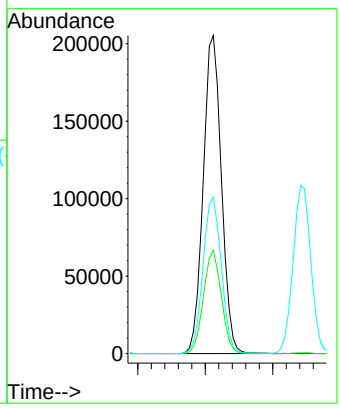
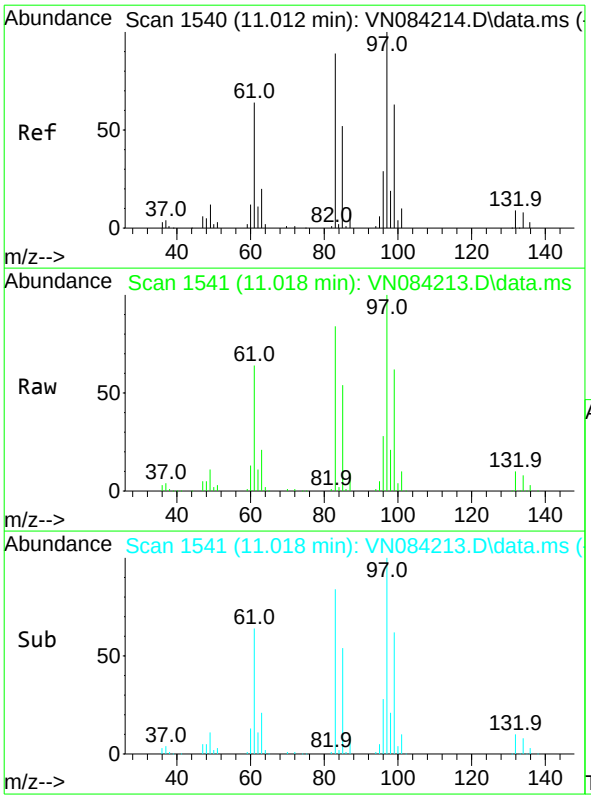


#54
cis-1,3-Dichloropropene
Concen: 101.975 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 384030

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	49.2	38.7	58.1

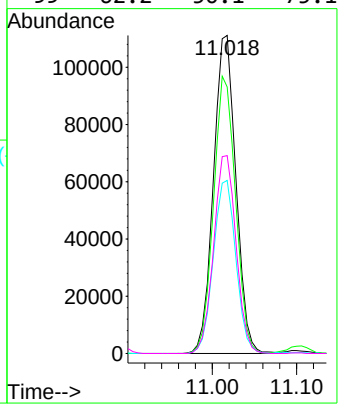




#55
1,1,2-Trichloroethane
Concen: 97.170 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 97 Resp: 205711

Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.0	106.4
85	54.4	41.7	62.5
99	62.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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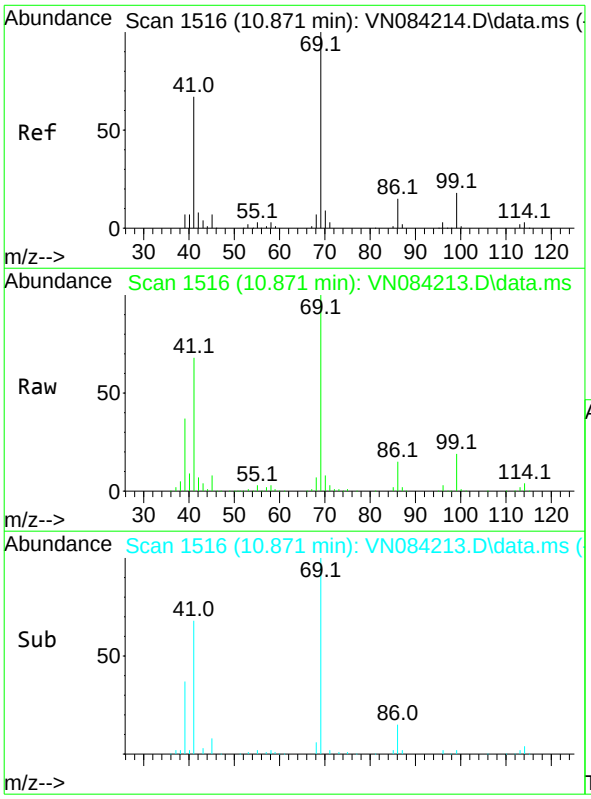
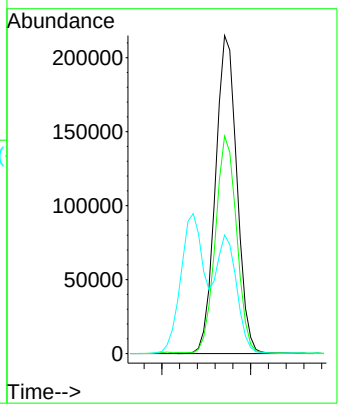
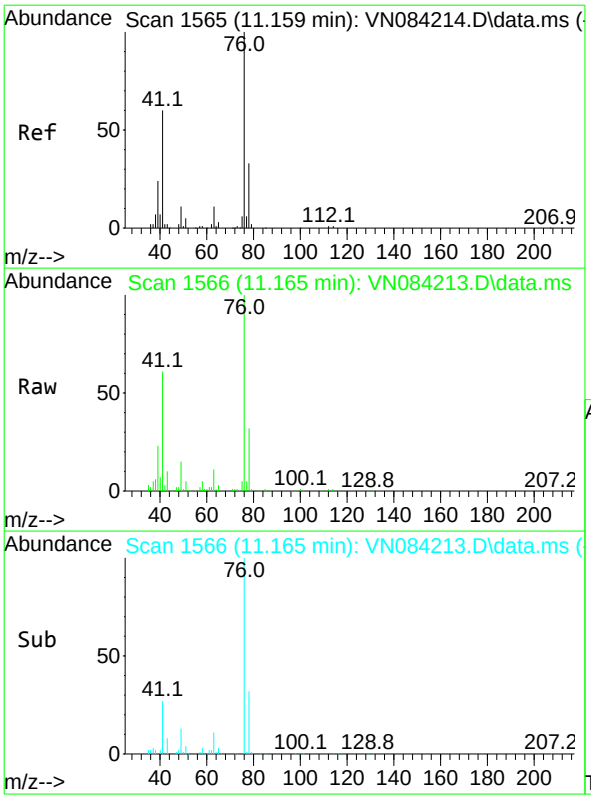


#56
Ethyl methacrylate
Concen: 103.608 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 69 Resp: 360916

Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.3	79.9
39	36.1	28.8	43.2

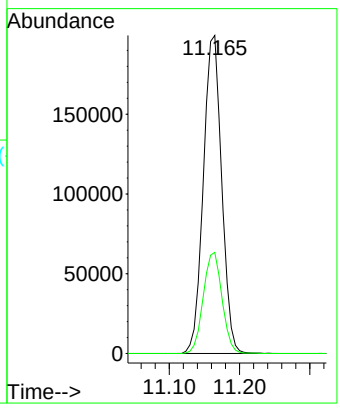




#57
1,3-Dichloropropane
Concen: 95.326 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 76 Resp: 360601

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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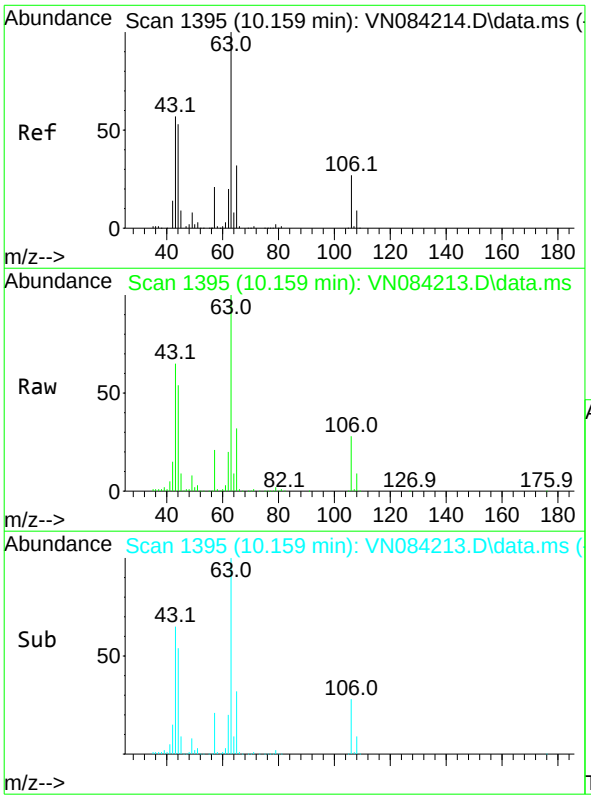
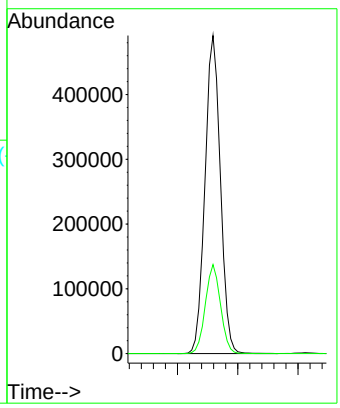
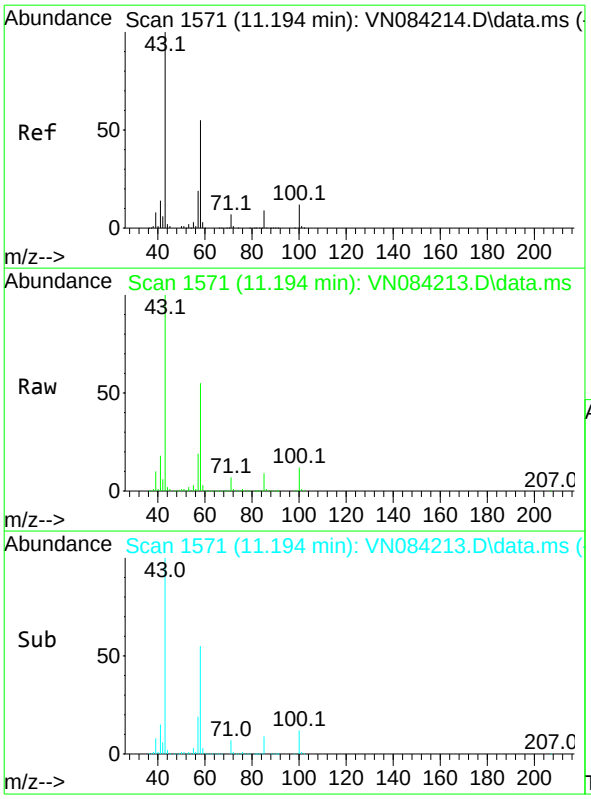


#58
2-Chloroethyl Vinyl ether
Concen: 538.640 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 870416

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6

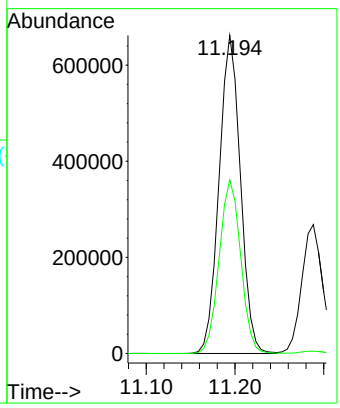




#59
2-Hexanone
Concen: 487.363 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 1105736

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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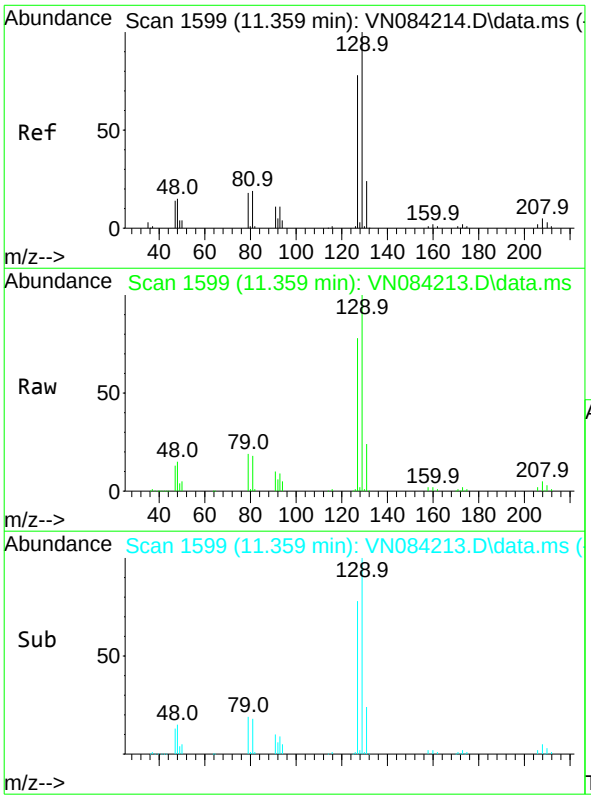
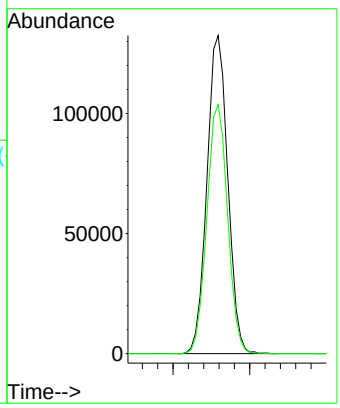
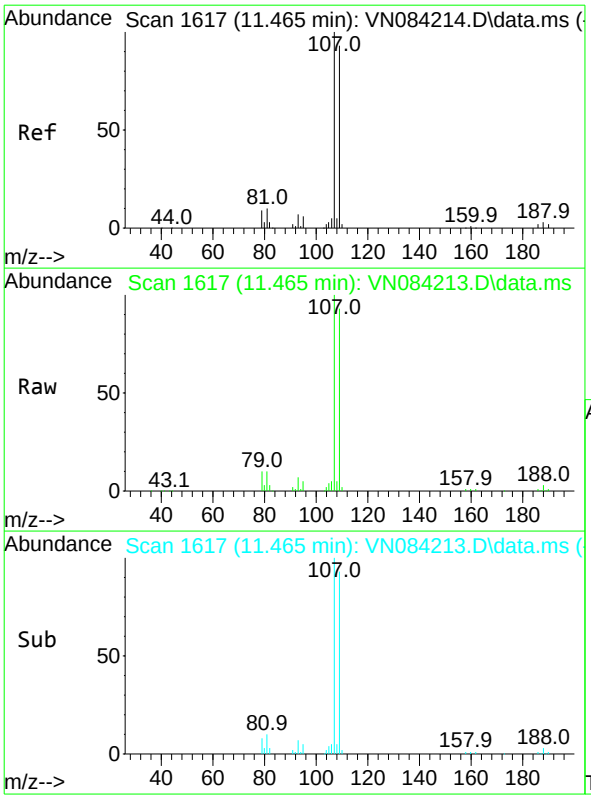


#60
Dibromochloromethane
Concen: 99.721 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:129 Resp: 249435

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9

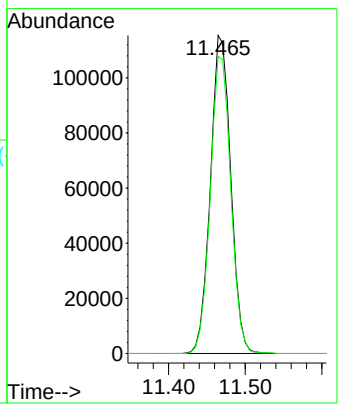




#61
1,2-Dibromoethane
Concen: 96.694 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:107 Resp: 212705

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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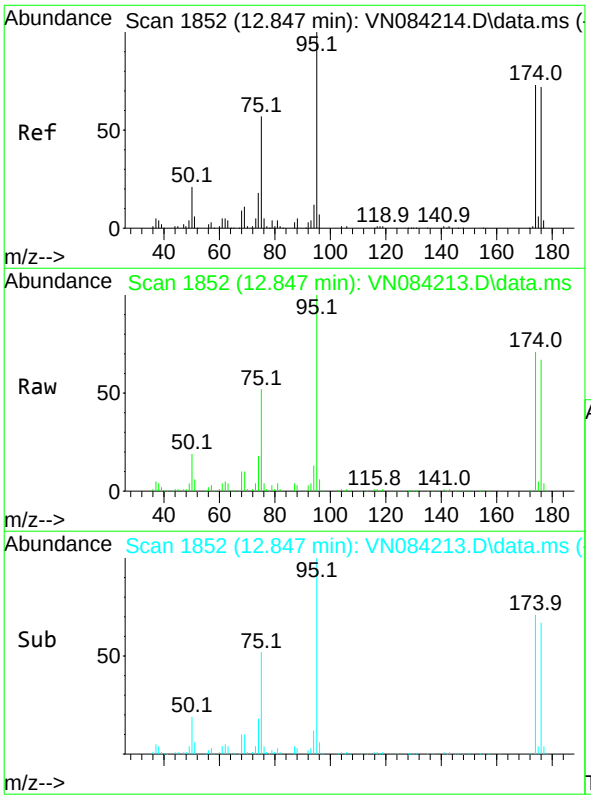
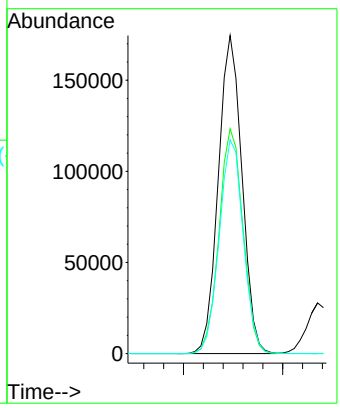
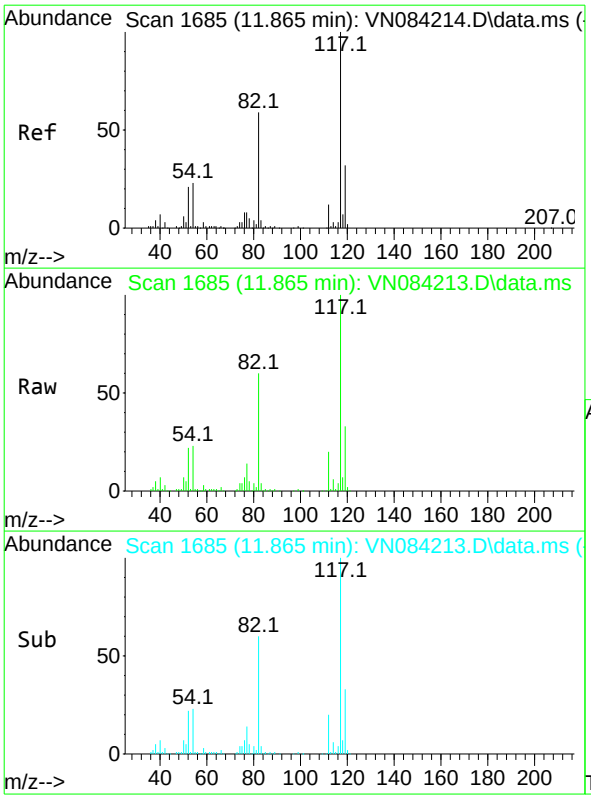


#62
4-Bromofluorobenzene
Concen: 101.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 95 Resp: 289867

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	145.2
176	68.2	0.0	140.0

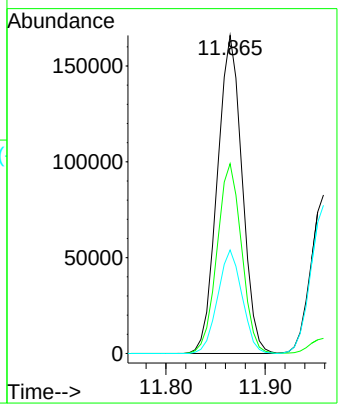




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 288467

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.2	70.8
119	32.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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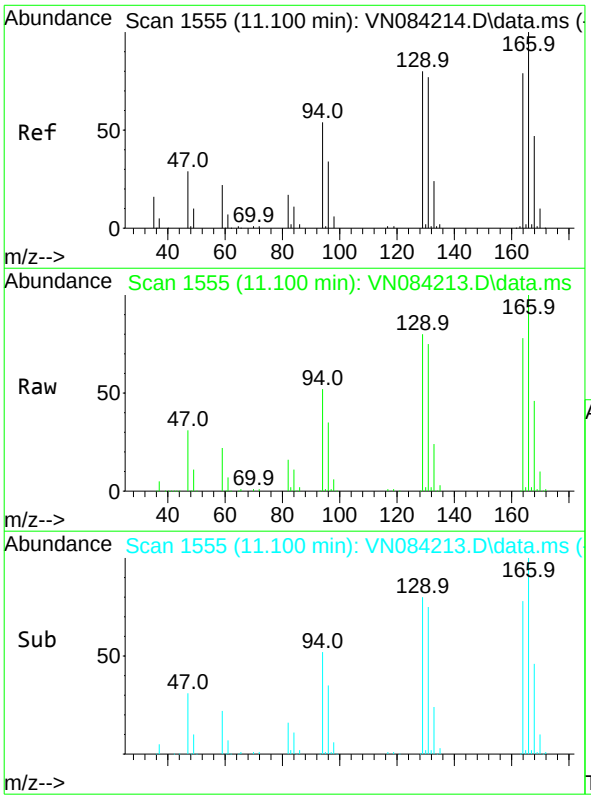
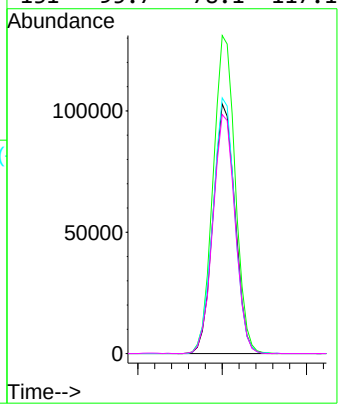
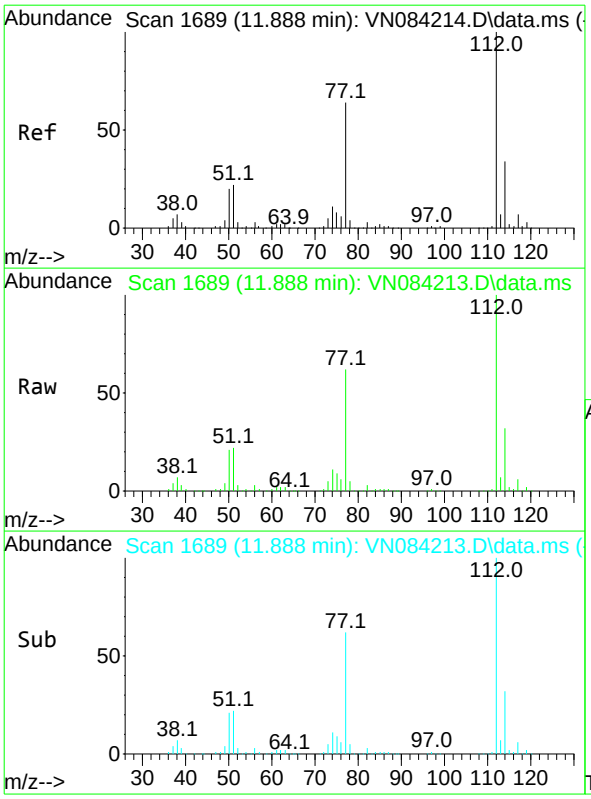


#64
Tetrachloroethene
Concen: 92.608 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:164 Resp: 186069

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	102.4	80.8	121.2
131	95.7	78.1	117.1

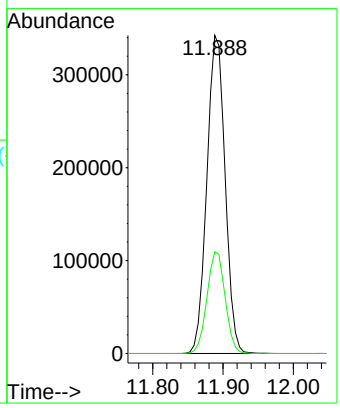




#65
Chlorobenzene
Concen: 96.376 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:112 Resp: 616423

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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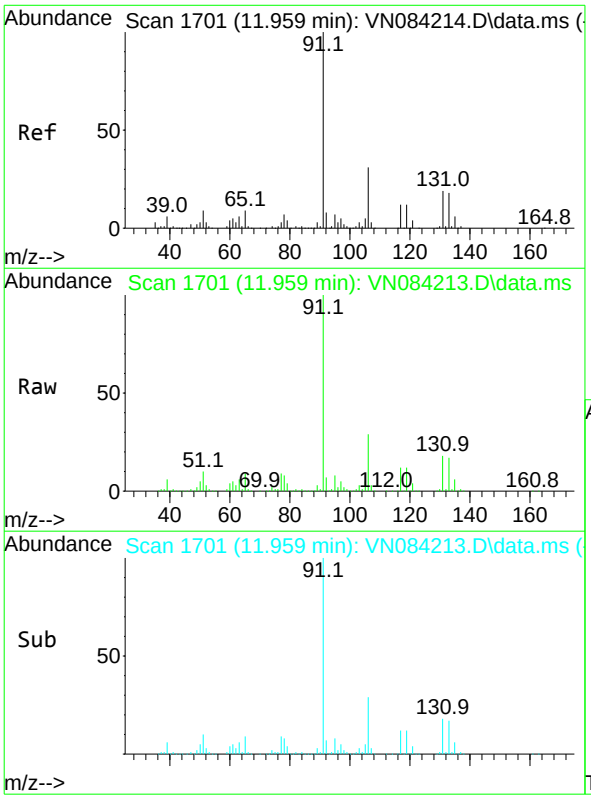
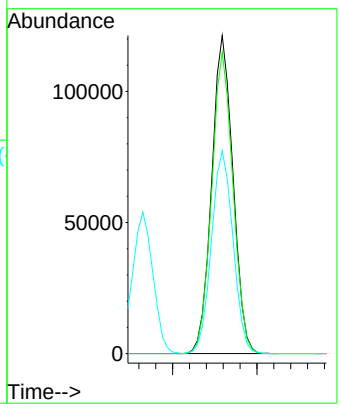
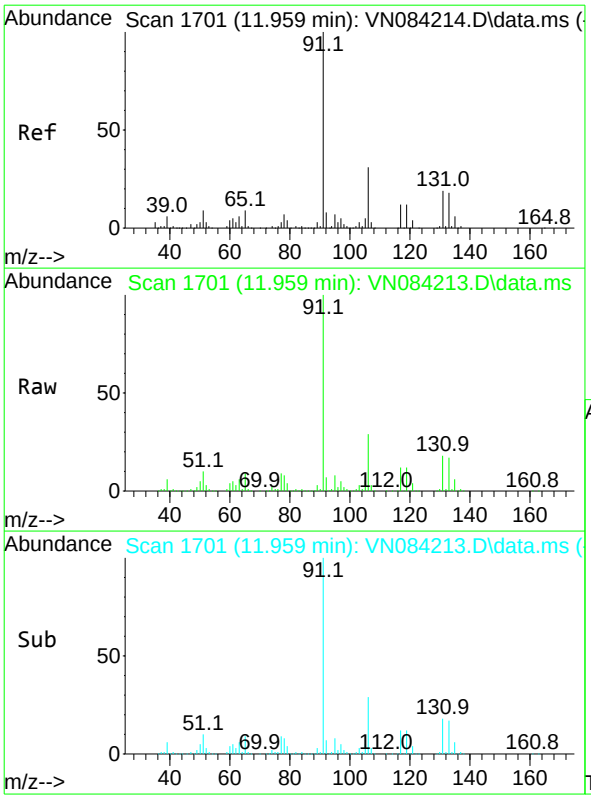


#66
1,1,1,2-Tetrachloroethane
Concen: 96.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:131 Resp: 212695

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.8	32.8	98.3

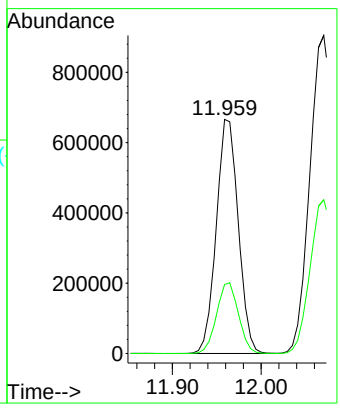




#67
Ethyl Benzene
Concen: 101.385 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1146786

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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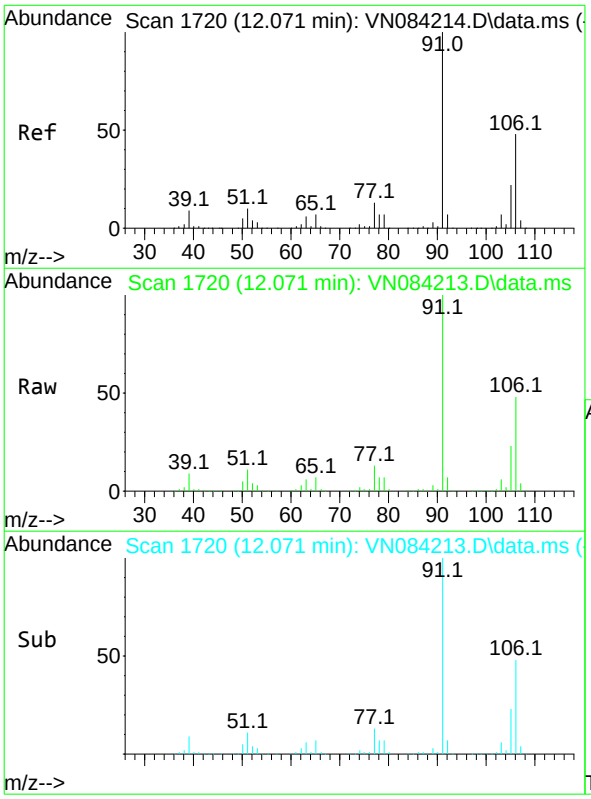
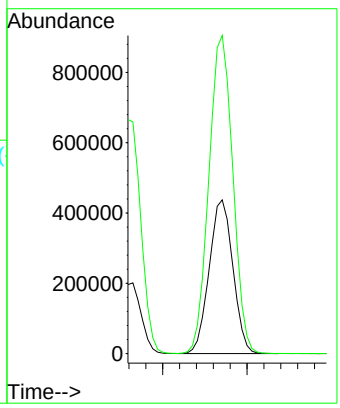
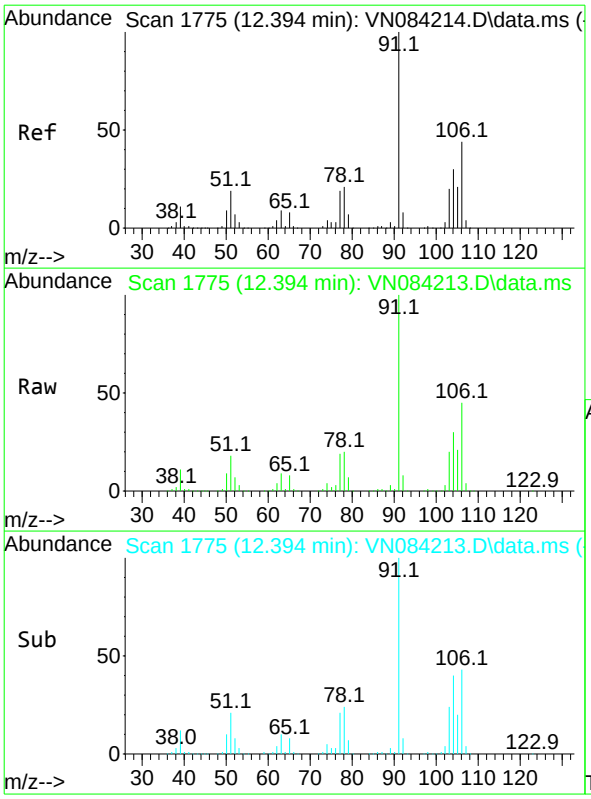


#68
m/p-Xylenes
Concen: 204.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 855381

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7

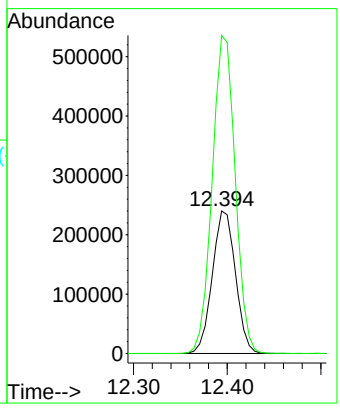




#69
o-Xylene
Concen: 104.101 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 412098

Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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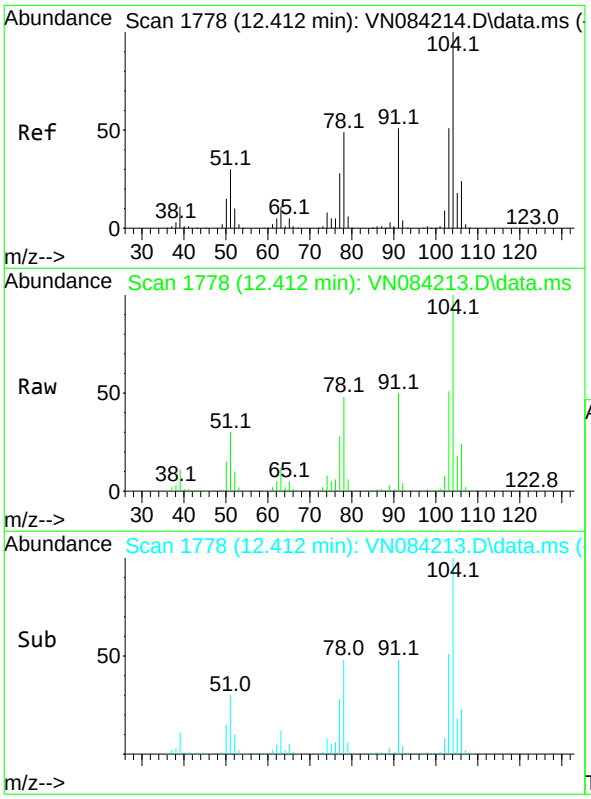
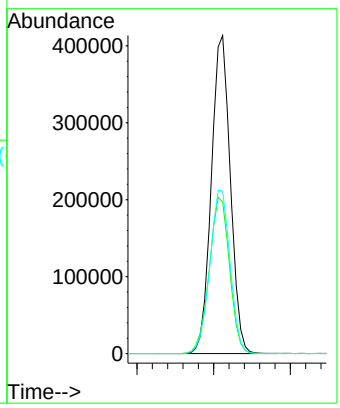
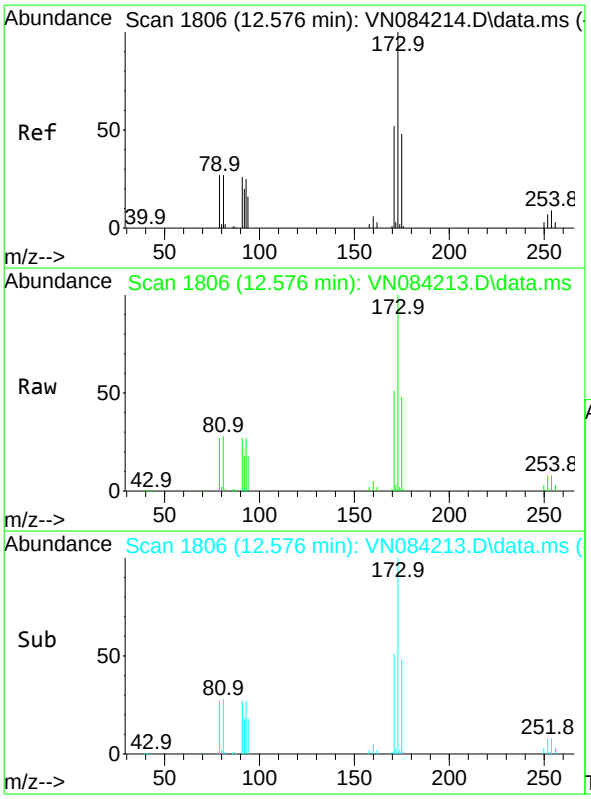


#70
Styrene
Concen: 106.165 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:104 Resp: 711855

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.7	64.1
103	54.7	43.6	65.4

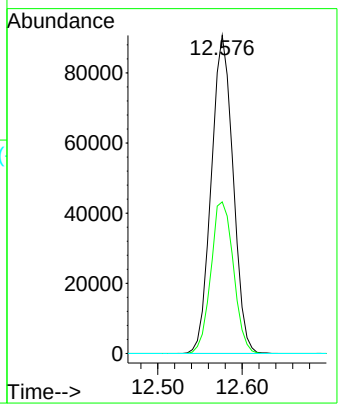




#71
Bromoform
Concen: 100.412 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:173 Resp: 162862

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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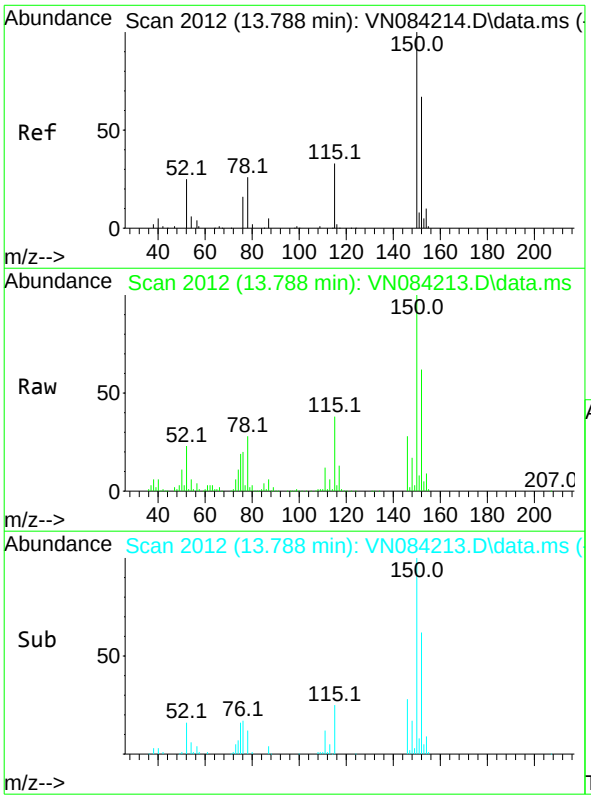
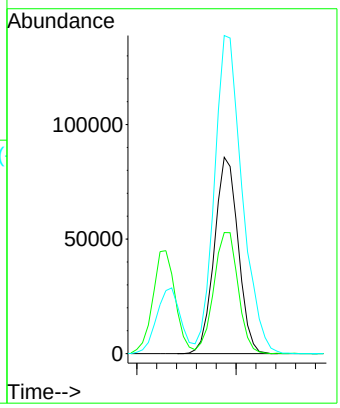
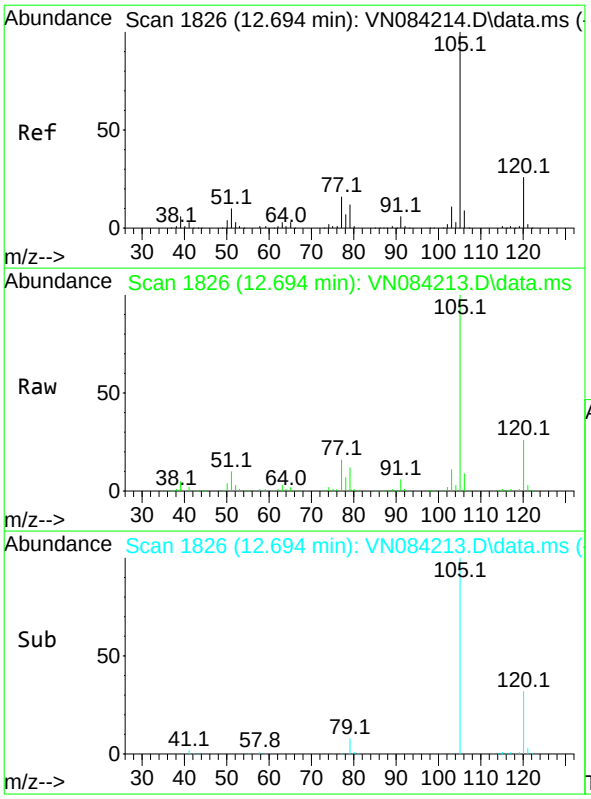


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:152 Resp: 142880

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	188.1	0.0	349.8

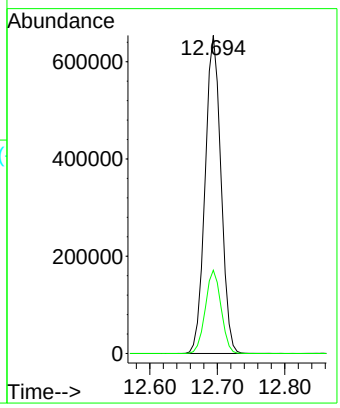




#73
Isopropylbenzene
Concen: 97.936 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 1067798

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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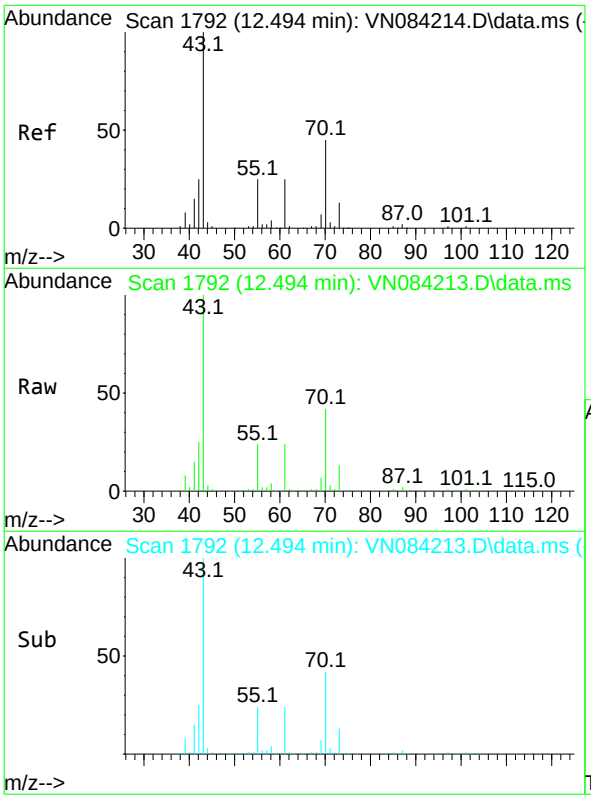
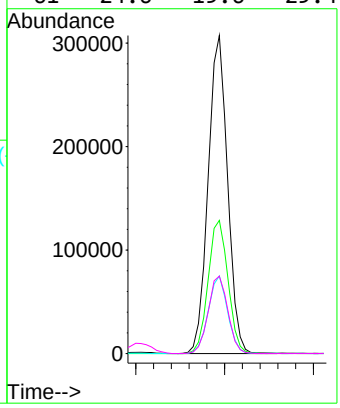
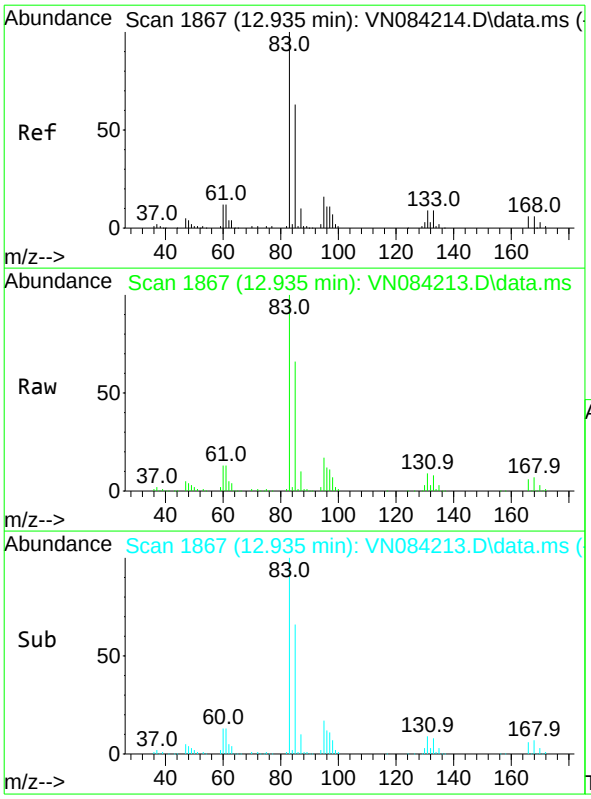


#74
N-amyl acetate
Concen: 94.716 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 467641

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	24.2	19.6	29.4
61	24.6	19.6	29.4

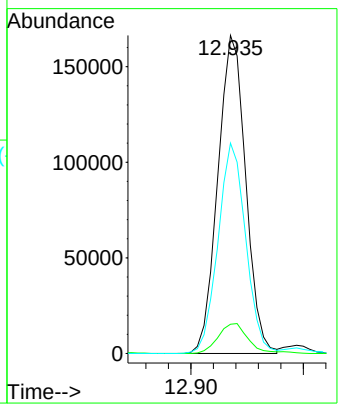




#75
1,1,2,2-Tetrachloroethane
Concen: 87.285 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 286161

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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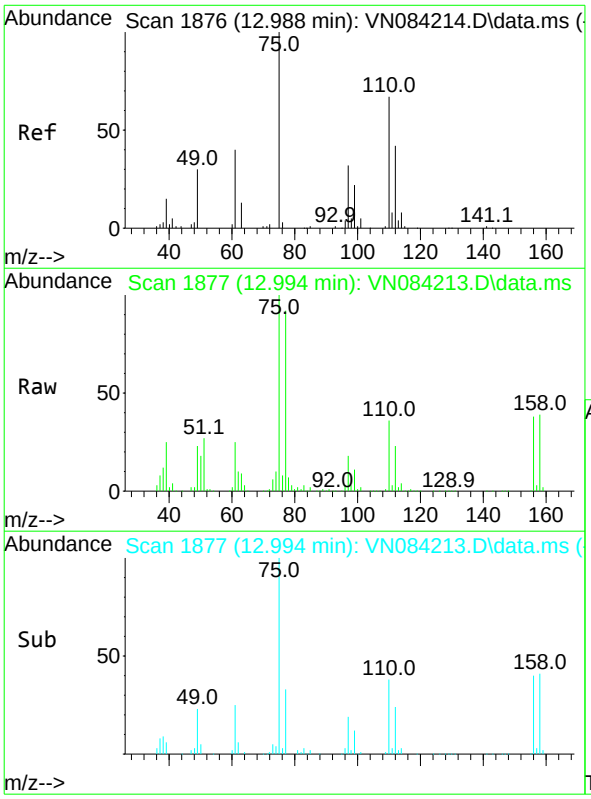
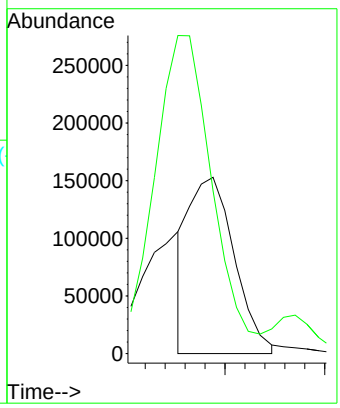
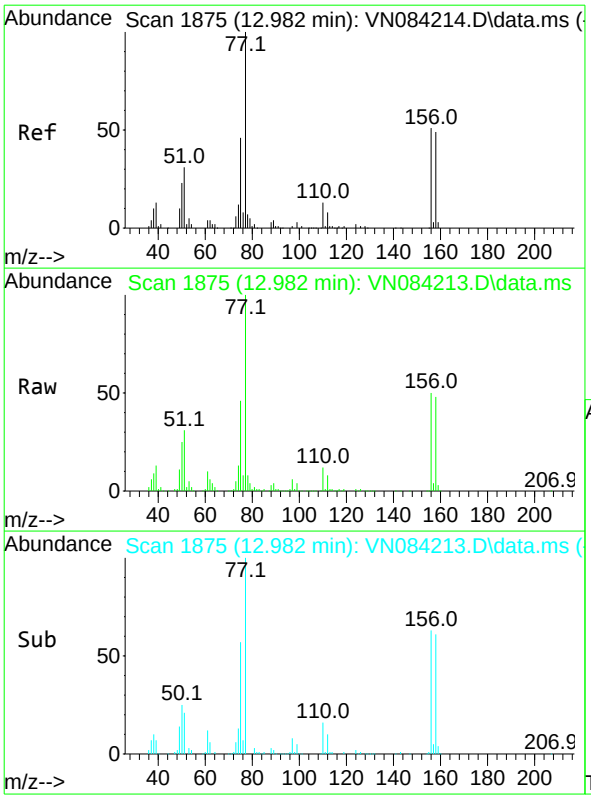


#76
1,2,3-Trichloropropane
Concen: 85.433 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 243293

Ion	Ratio	Lower	Upper
75	100		
77	229.8	96.9	290.7

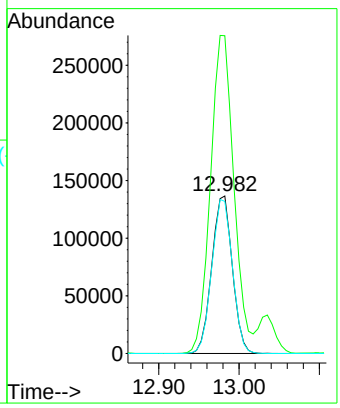




#77
Bromobenzene
Concen: 92.425 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:156 Resp: 243075

Ion	Ratio	Lower	Upper
156	100		
77	230.0	115.1	345.3
158	98.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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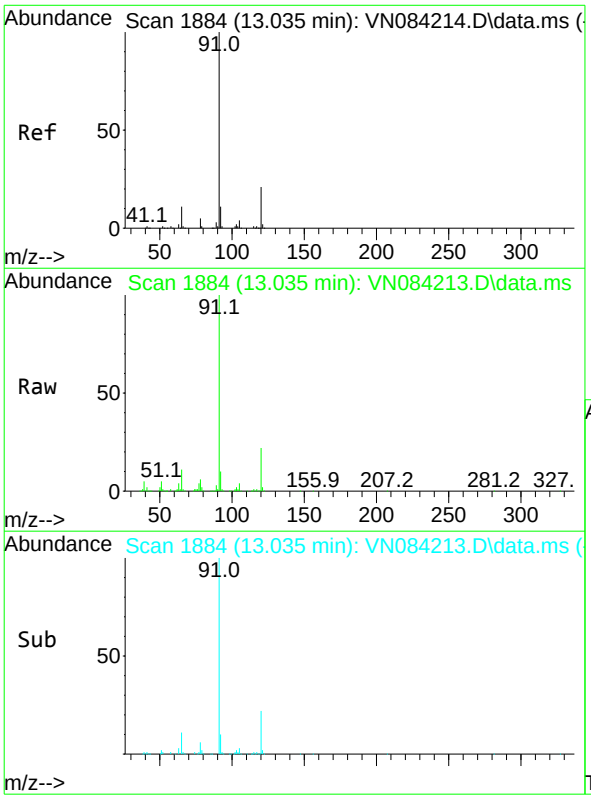
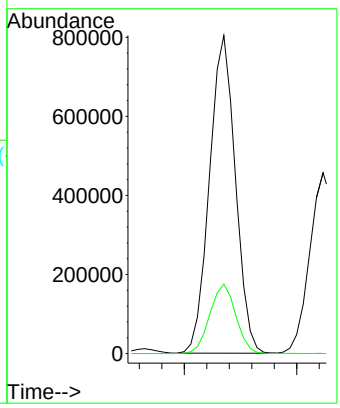
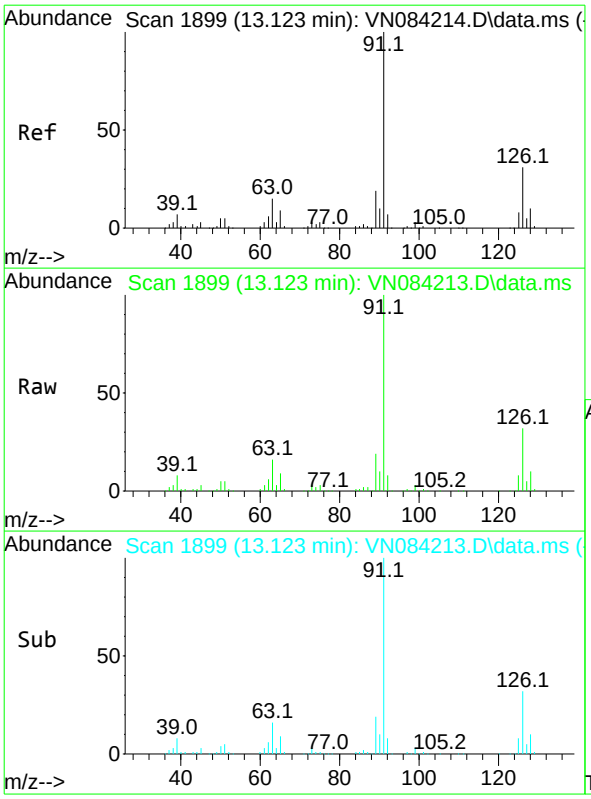


#78
n-propylbenzene
Concen: 101.754 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1285399

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

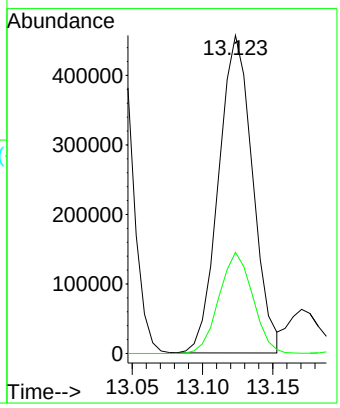




#79
2-Chlorotoluene
Concen: 95.567 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 770341

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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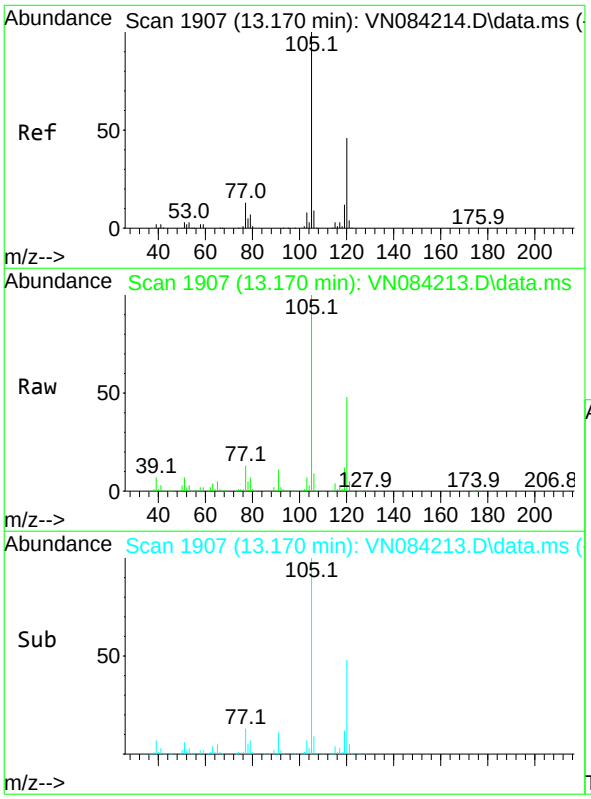
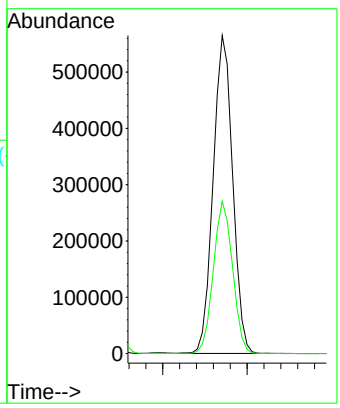
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

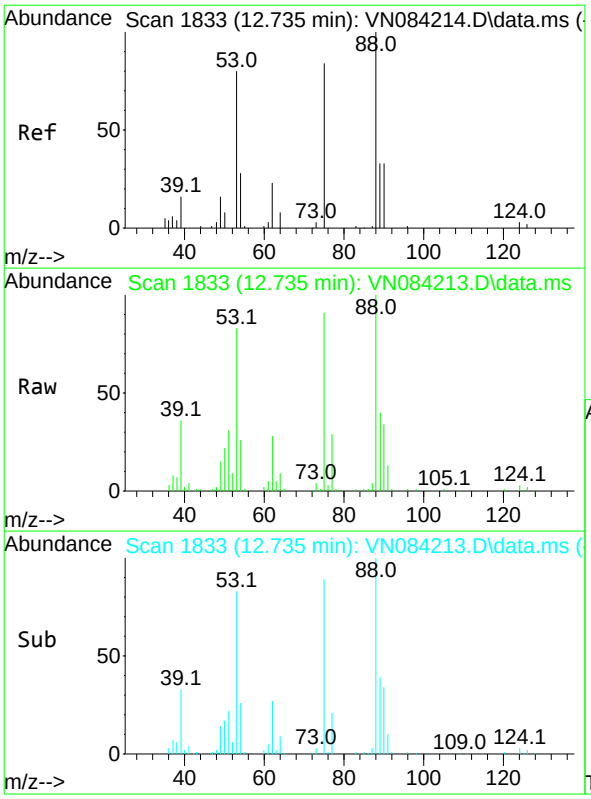


#80
1,3,5-Trimethylbenzene
Concen: 101.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 905999

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1

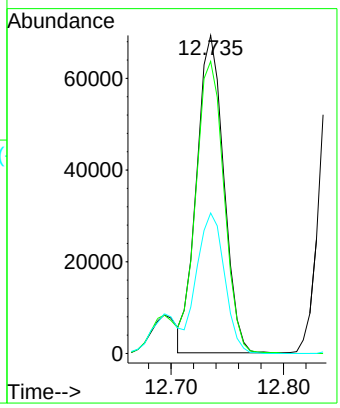




#81
trans-1,4-Dichloro-2-butene
Concen: 95.579 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 116289

Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.0	117.0
89	44.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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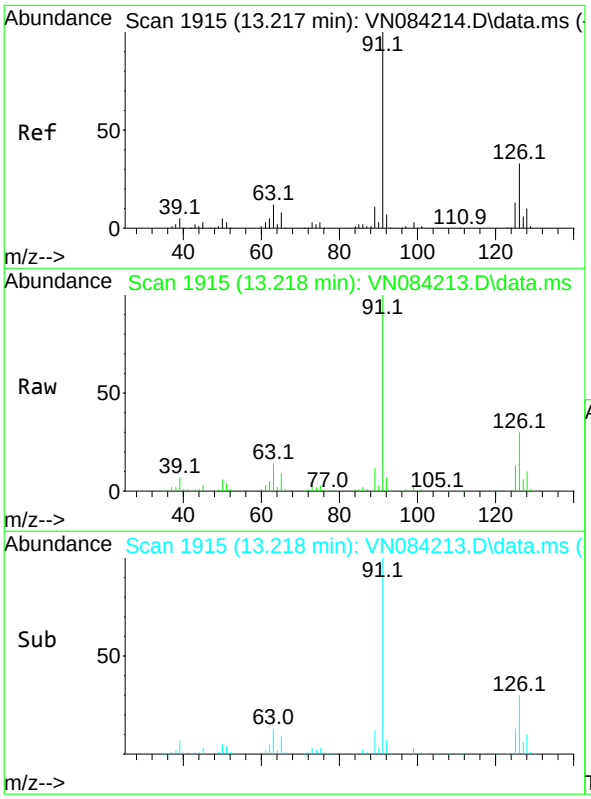
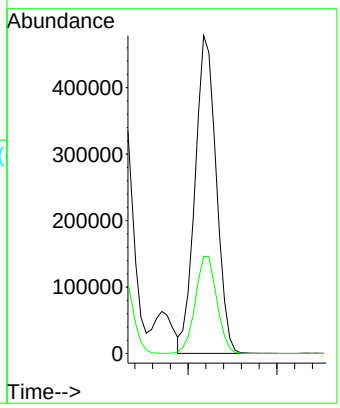
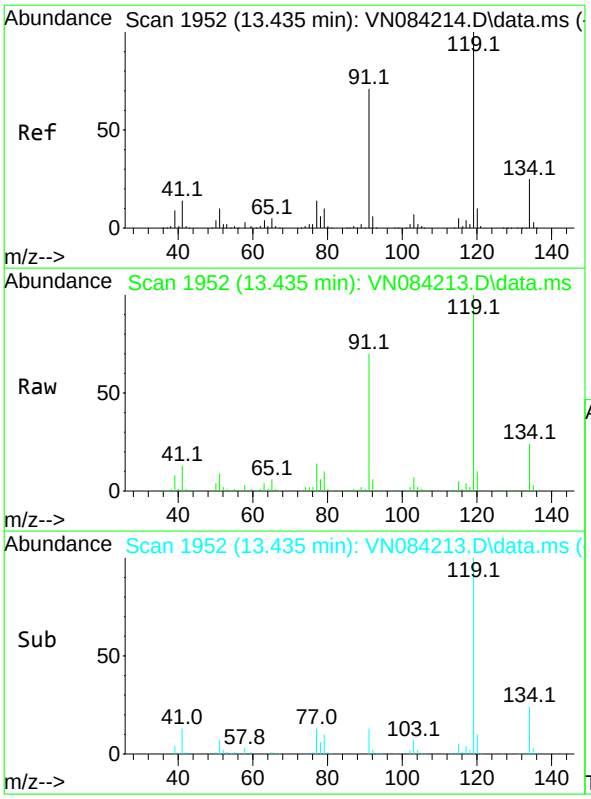


#82
4-Chlorotoluene
Concen: 97.362 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 790045

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1

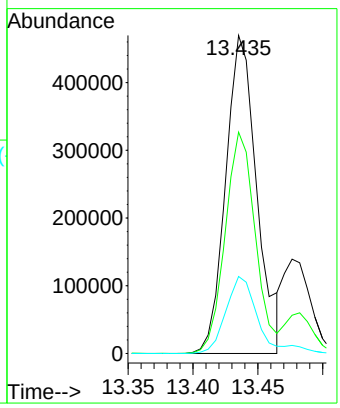




#83
tert-Butylbenzene
Concen: 99.349 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:119 Resp: 785331

Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	25.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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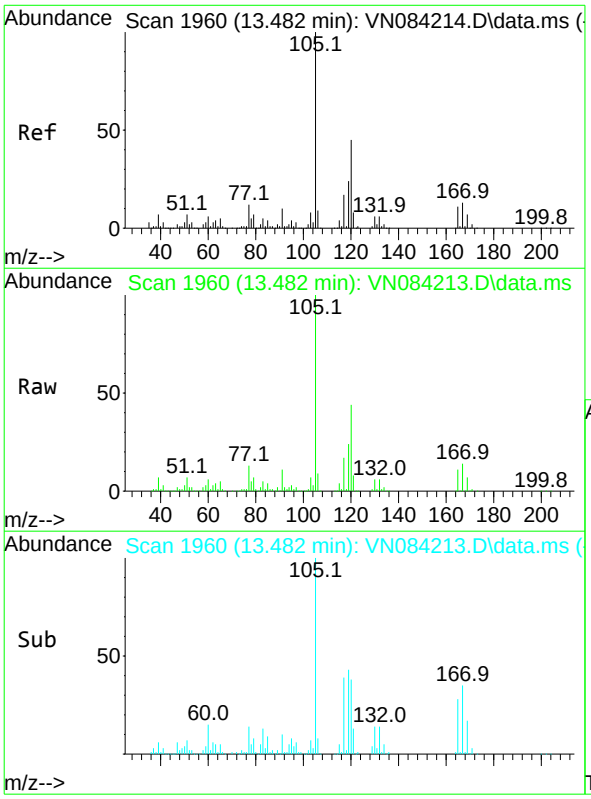
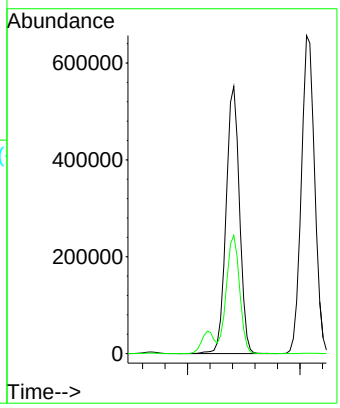
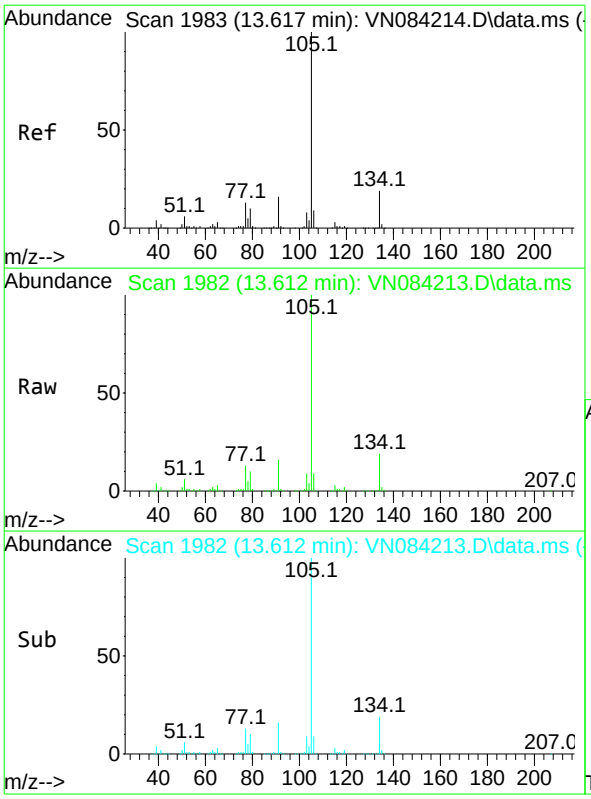


#84
1,2,4-Trimethylbenzene
Concen: 101.908 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 913037

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

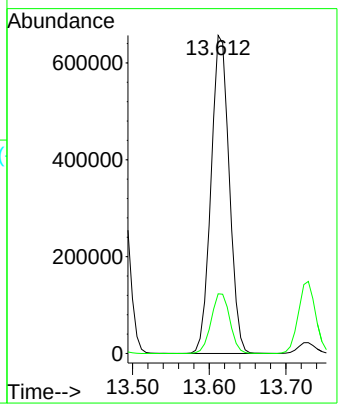




#85
sec-Butylbenzene
Concen: 102.580 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 1082055

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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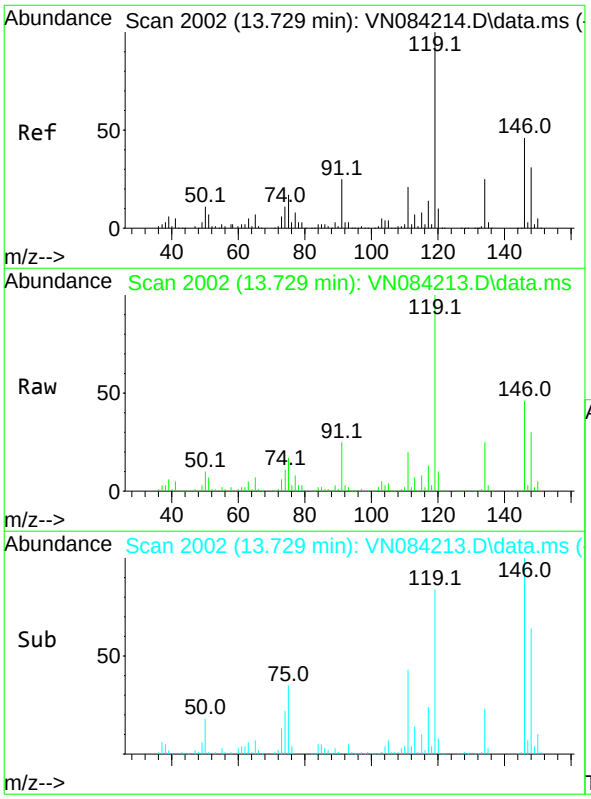
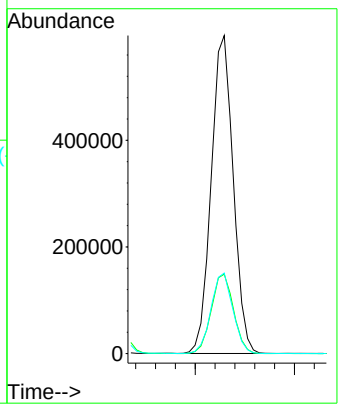
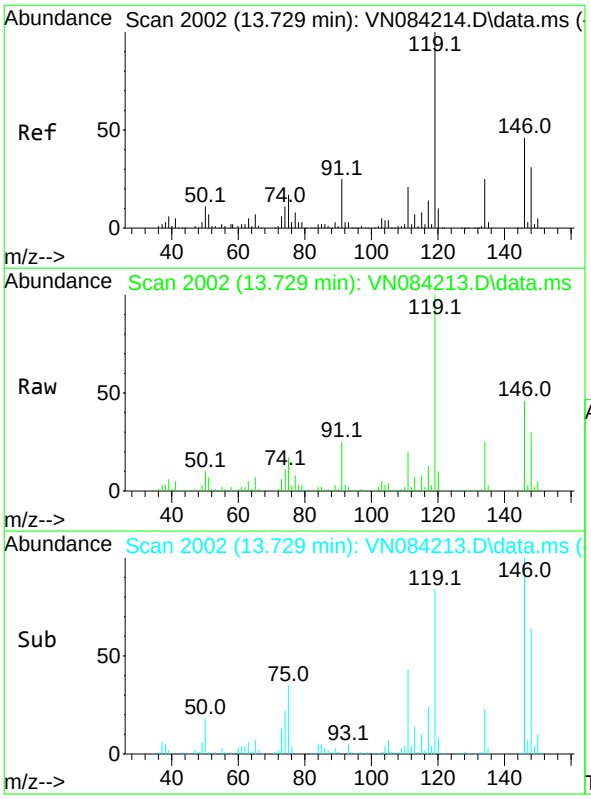


#86
p-Isopropyltoluene
Concen: 105.328 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:119 Resp: 918730

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.4	37.2

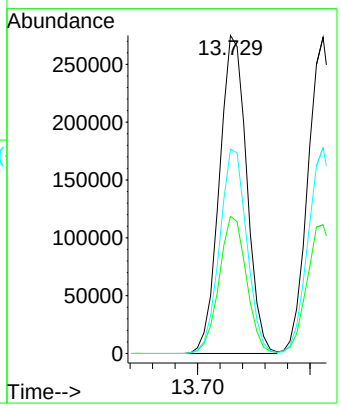




#87
1,3-Dichlorobenzene
Concen: 94.046 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 463998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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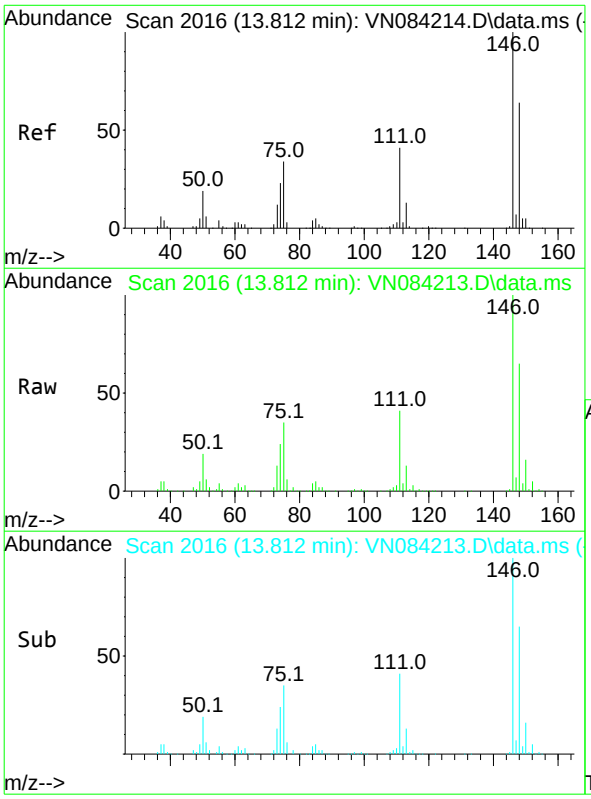
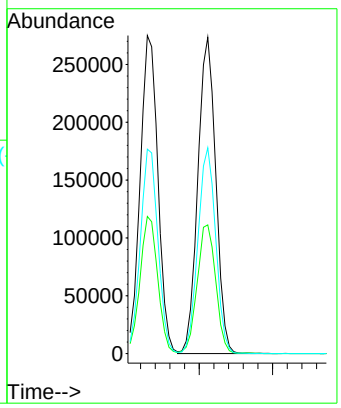
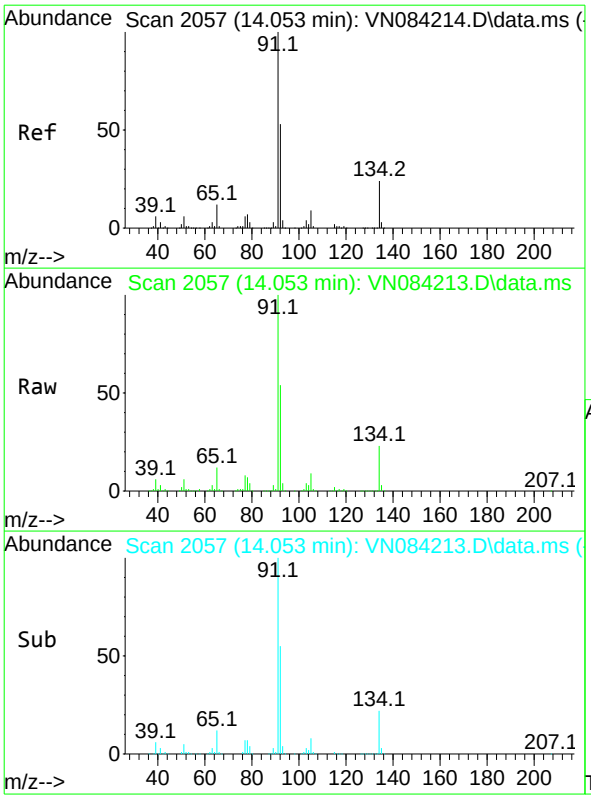


#88
1,4-Dichlorobenzene
Concen: 93.346 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 465087

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.4	31.9	95.9

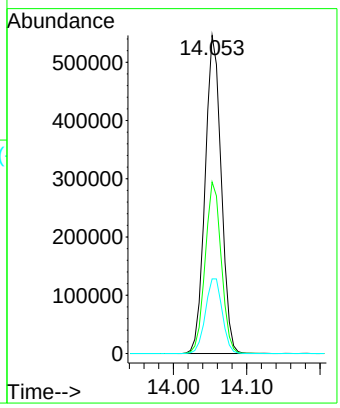




#89
n-Butylbenzene
Concen: 105.197 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 832034

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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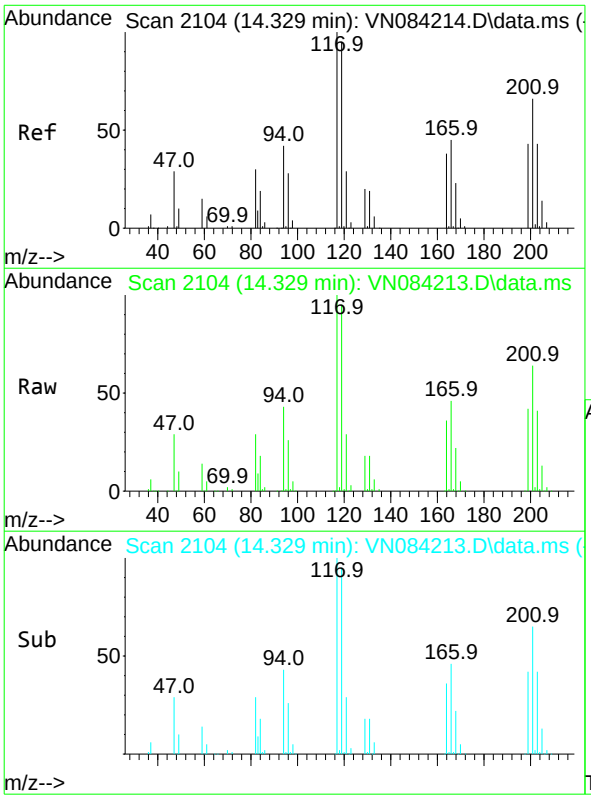
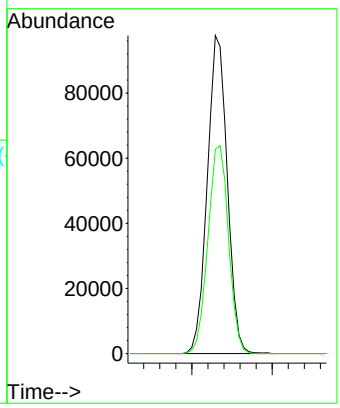
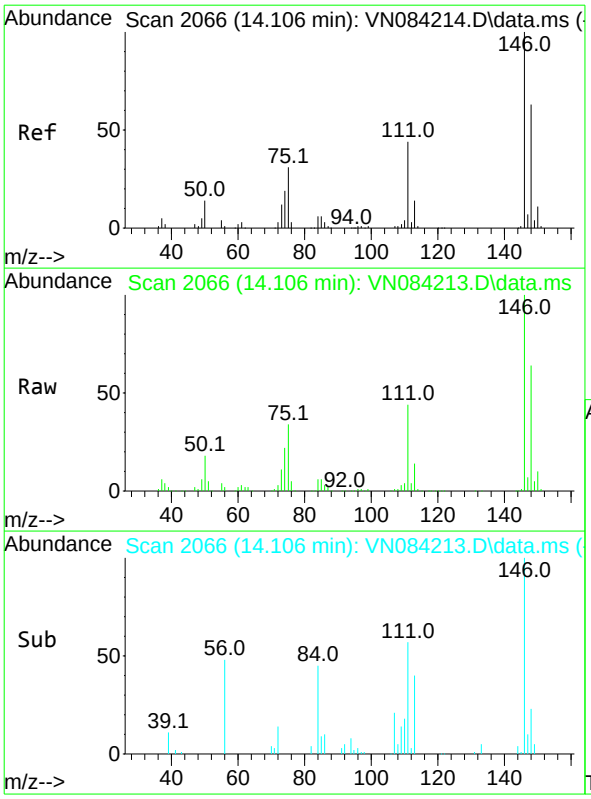


#90
Hexachloroethane
Concen: 95.289 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 168712

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

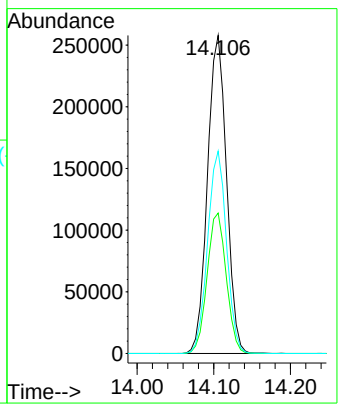




#91
1,2-Dichlorobenzene
Concen: 91.843 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 444319

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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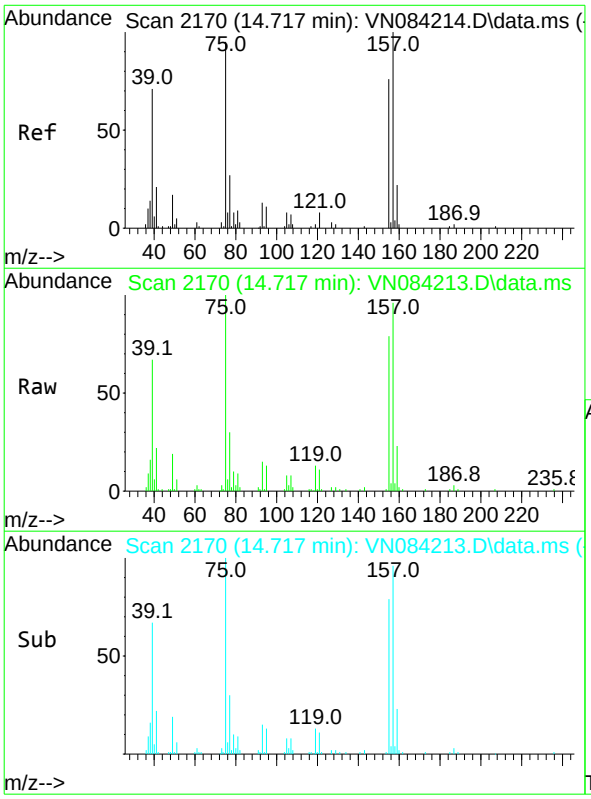
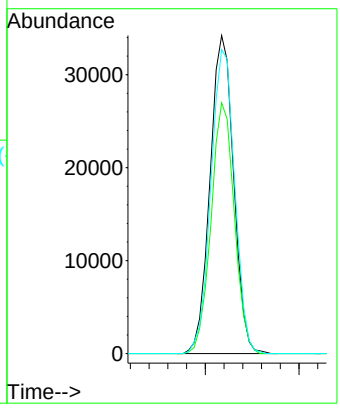
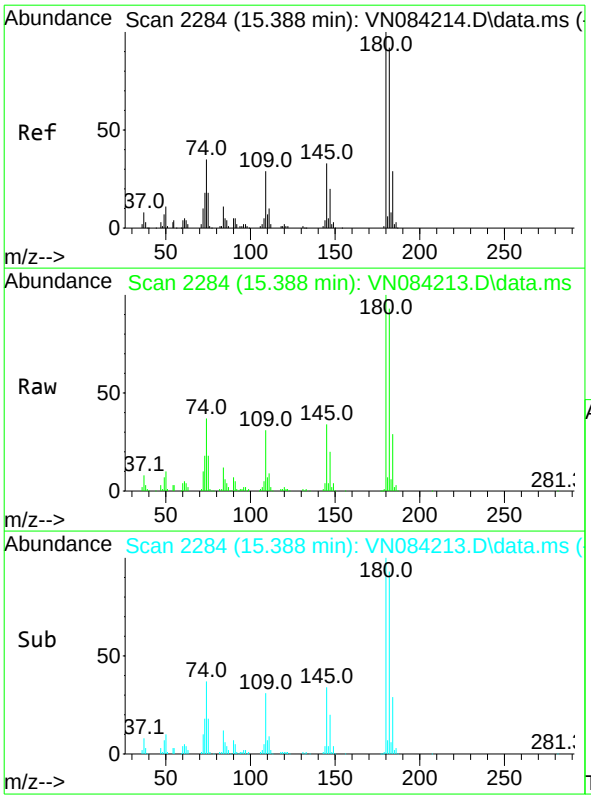


#92
1,2-Dibromo-3-Chloropropane
Concen: 88.446 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 59837

Ion	Ratio	Lower	Upper
75	100		
155	77.6	38.1	114.5
157	96.3	49.6	149.0

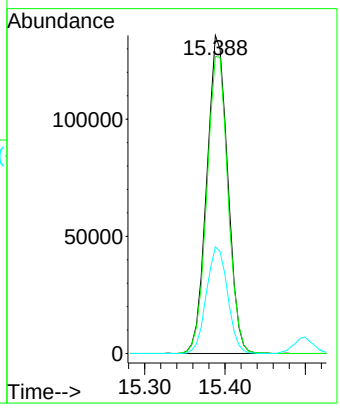




#93
1,2,4-Trichlorobenzene
Concen: 103.017 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:180 Resp: 245477

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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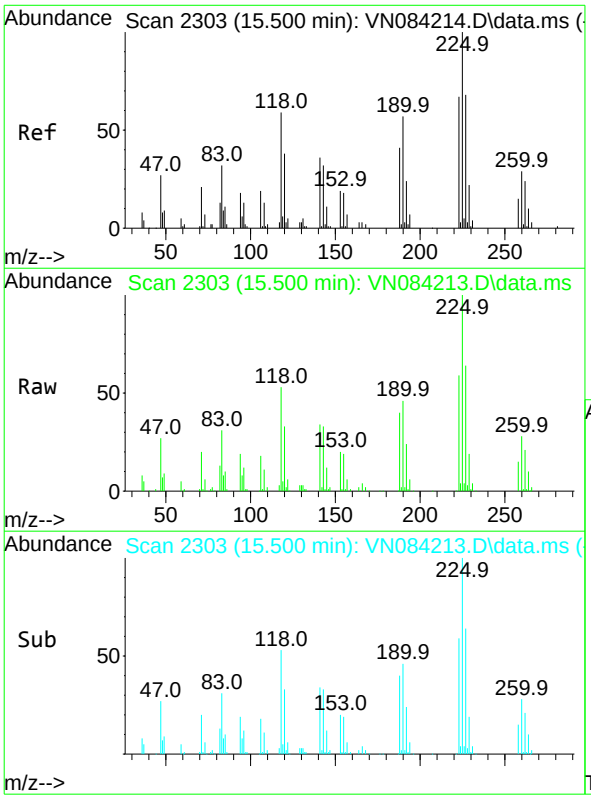
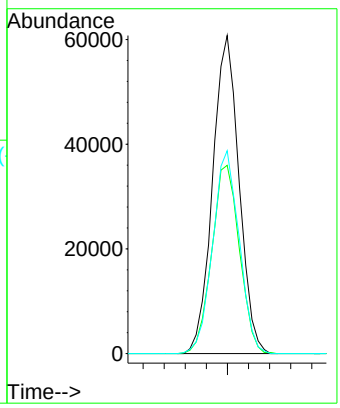
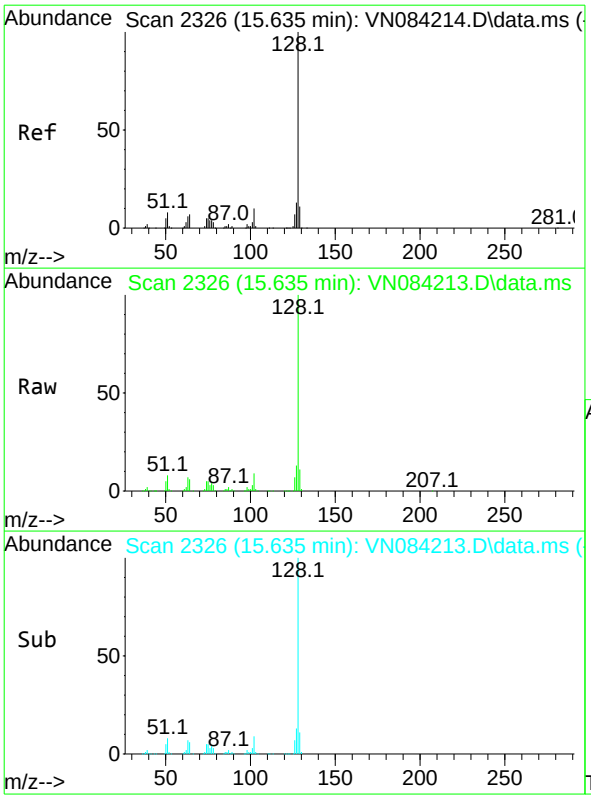


#94
Hexachlorobutadiene
Concen: 89.034 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:225 Resp: 105801

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.0	32.4	97.0

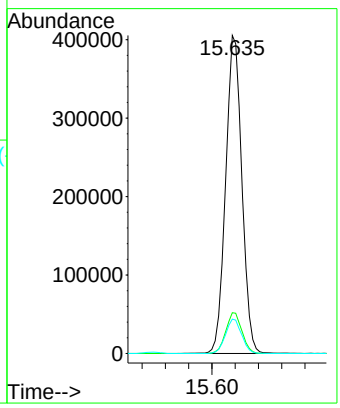




#95
Naphthalene
Concen: 99.356 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:128 Resp: 784876

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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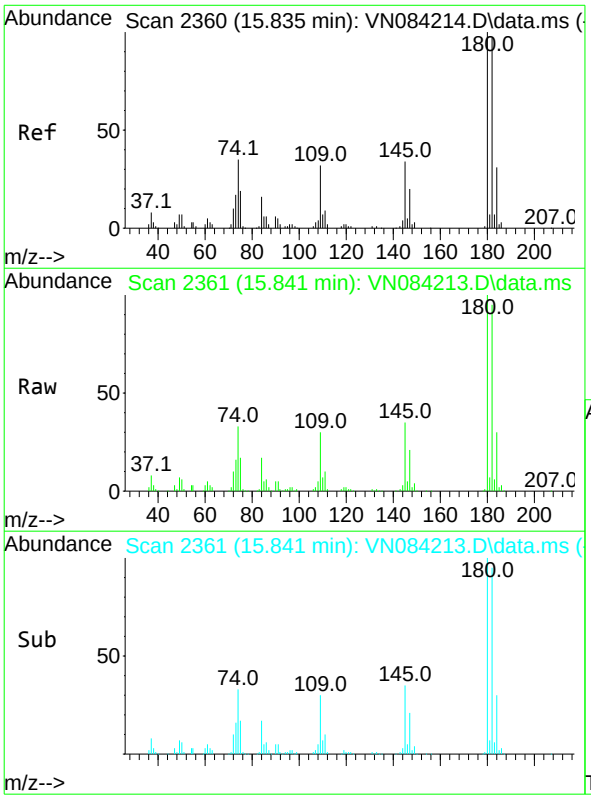
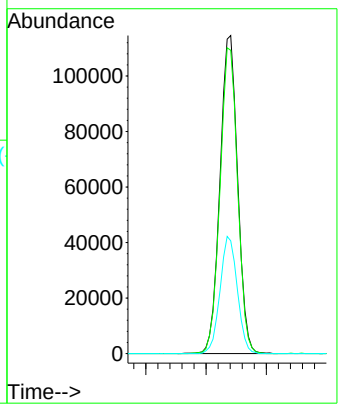


#96
1,2,3-Trichlorobenzene
Concen: 97.736 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:180 Resp: 233126

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.2	144.6
145	35.9	17.3	51.9



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Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	175379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129300	49.725	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.440%			
35) Dibromofluoromethane	8.165	113	98531	49.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.280%			
50) Toluene-d8	10.565	98	377886	51.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.847	95	137388	51.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	107530	51.835	ug/l	100
3) Chloromethane	2.359	50	117689	49.686	ug/l	100
4) Vinyl Chloride	2.518	62	117031	51.007	ug/l	100
5) Bromomethane	2.953	94	75848	50.118	ug/l	100
6) Chloroethane	3.118	64	73440	44.693	ug/l	100
7) Trichlorofluoromethane	3.495	101	185982	52.055	ug/l	100
8) Diethyl Ether	3.959	74	68385	51.608	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	103552	50.583	ug/l	100
10) Methyl Iodide	4.595	142	141310	53.600	ug/l	100
11) Tert butyl alcohol	5.524	59	107986	251.850	ug/l	100
12) 1,1-Dichloroethene	4.342	96	102934	52.128	ug/l	100
13) Acrolein	4.177	56	124940	253.821	ug/l	100
14) Allyl chloride	5.024	41	174518	50.889	ug/l	100
15) Acrylonitrile	5.718	53	277346	256.145	ug/l	100
16) Acetone	4.424	43	299515	268.132	ug/l	100
17) Carbon Disulfide	4.712	76	302183	48.335	ug/l	100
18) Methyl Acetate	5.018	43	124007	50.934	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	356478	53.487	ug/l	100
20) Methylene Chloride	5.277	84	114918	50.609	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	109048	52.711	ug/l	100
22) Diisopropyl ether	6.671	45	379516	53.501	ug/l	100
23) Vinyl Acetate	6.600	43	1444909	273.176	ug/l	100
24) 1,1-Dichloroethane	6.571	63	209222	52.742	ug/l	100
25) 2-Butanone	7.483	43	396369	260.524	ug/l	100
26) 2,2-Dichloropropane	7.488	77	189745	53.050	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	129873	51.951	ug/l	100
28) Bromochloromethane	7.812	49	86584	48.919	ug/l	100
29) Tetrahydrofuran	7.835	42	248328	264.488	ug/l	100
30) Chloroform	7.965	83	211178	51.249	ug/l	100
31) Cyclohexane	8.253	56	187282	48.624	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	193315	52.237	ug/l	100
36) 1,1-Dichloropropene	8.371	75	154855	53.172	ug/l	100
37) Ethyl Acetate	7.559	43	153024	51.216	ug/l	100
38) Carbon Tetrachloride	8.359	117	167086	52.301	ug/l	100
39) Methylcyclohexane	9.600	83	177433	54.741	ug/l	100
40) Benzene	8.606	78	472170	52.037	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	87365	53.861 ug/l		100
42) 1,2-Dichloroethane	8.671	62	160606	52.210 ug/l		100
43) Isopropyl Acetate	8.688	43	272992	46.667 ug/l		100
44) Trichloroethene	9.347	130	110119	51.961 ug/l		100
45) 1,2-Dichloropropane	9.618	63	114143	53.176 ug/l		100
46) Dibromomethane	9.706	93	79007	54.542 ug/l		100
47) Bromodichloromethane	9.888	83	169263	52.595 ug/l		100
48) Methyl methacrylate	9.677	41	127042	54.534 ug/l		100
49) 1,4-Dioxane	9.694	88	44512	1037.858 ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	772927	271.750 ug/l		100
52) Toluene	10.629	92	295099	53.332 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	179453	54.703 ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	193952	54.966 ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	106288	53.583 ug/l		100
56) Ethyl methacrylate	10.871	69	183059	56.085 ug/l		100
57) 1,3-Dichloropropane	11.159	76	187372	52.864 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	426364	281.593 ug/l		100
59) 2-Hexanone	11.194	43	588361	276.767 ug/l		100
60) Dibromochloromethane	11.359	129	126992	54.184 ug/l		100
61) 1,2-Dibromoethane	11.465	107	108817	52.794 ug/l		100
64) Tetrachloroethene	11.100	164	94966	51.486 ug/l		100
65) Chlorobenzene	11.888	112	309849	52.770 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	106981	52.897 ug/l		100
67) Ethyl Benzene	11.959	91	561770	54.100 ug/l		100
68) m/p-Xylenes	12.071	106	427131	111.201 ug/l		100
69) o-Xylene	12.394	106	204854	56.370 ug/l		100
70) Styrene	12.412	104	347383	56.434 ug/l		100
71) Bromoform	12.576	173	83487	56.070 ug/l	#	100
73) Isopropylbenzene	12.694	105	527625	54.145 ug/l		100
74) N-amyl acetate	12.494	43	237131	53.738 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	151079	51.560 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	143676m	56.449 ug/l		
77) Bromobenzene	12.982	156	120918	51.442 ug/l		100
78) n-propylbenzene	13.035	91	626503	55.490 ug/l		100
79) 2-Chlorotoluene	13.123	91	384795	53.411 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	445807	56.084 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57572	52.943 ug/l		100
82) 4-Chlorotoluene	13.217	91	386854	53.341 ug/l		100
83) tert-Butylbenzene	13.435	119	386532	54.711 ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	449720	56.161 ug/l		100
85) sec-Butylbenzene	13.617	105	529076	56.119 ug/l		100
86) p-Isopropyltoluene	13.729	119	448148	57.485 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	228219	51.755 ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	227835	51.163 ug/l		100
89) n-Butylbenzene	14.053	91	394831	55.854 ug/l		100
90) Hexachloroethane	14.329	117	81626	51.582 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	218378	50.506 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30379	50.241 ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	119164	55.953 ug/l		100
94) Hexachlorobutadiene	15.500	225	50680	47.718 ug/l		100
95) Naphthalene	15.635	128	393177	55.688 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	114483	53.701 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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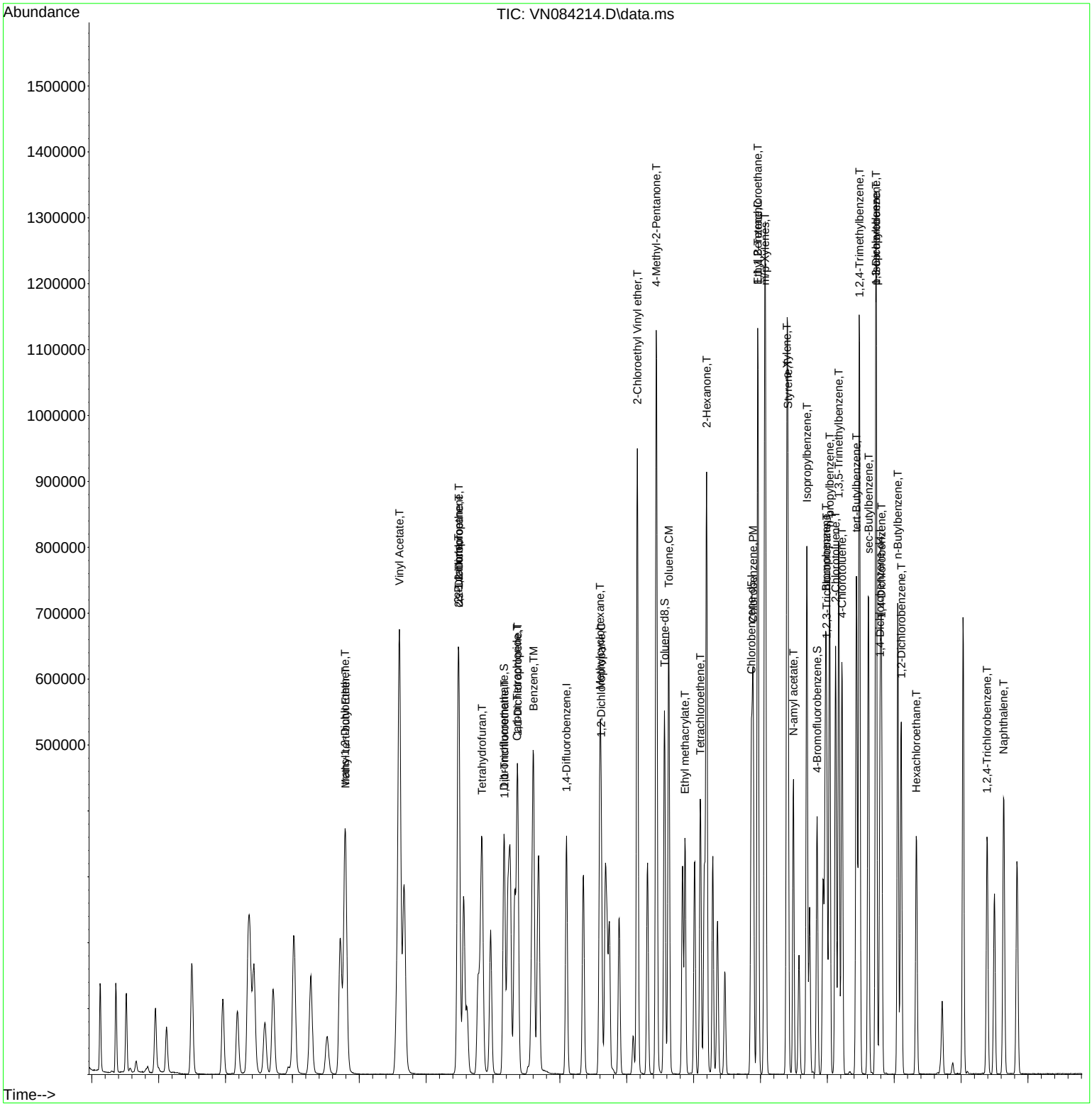
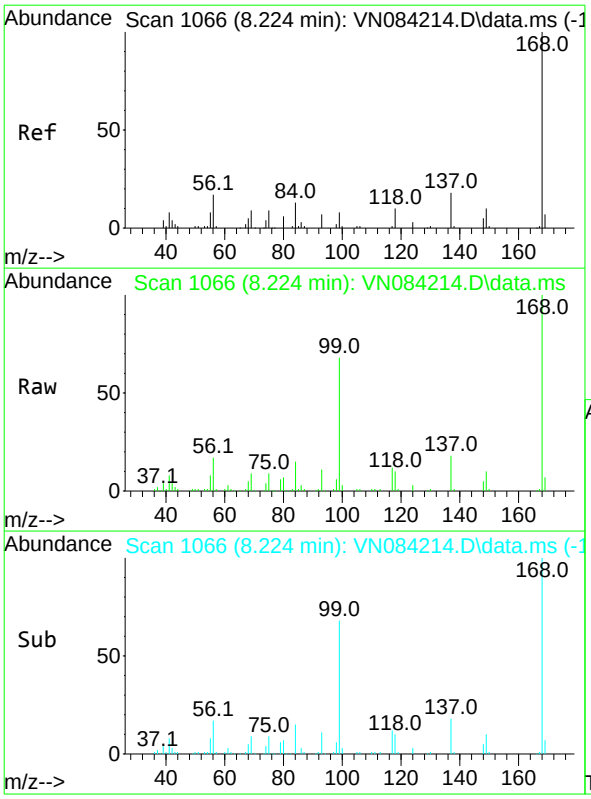
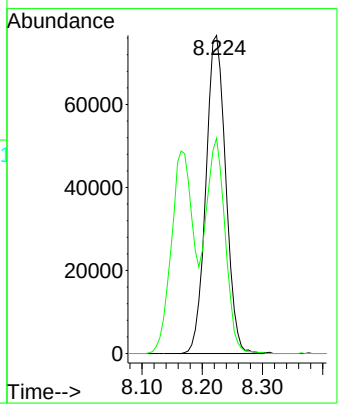




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:168 Resp: 175379

Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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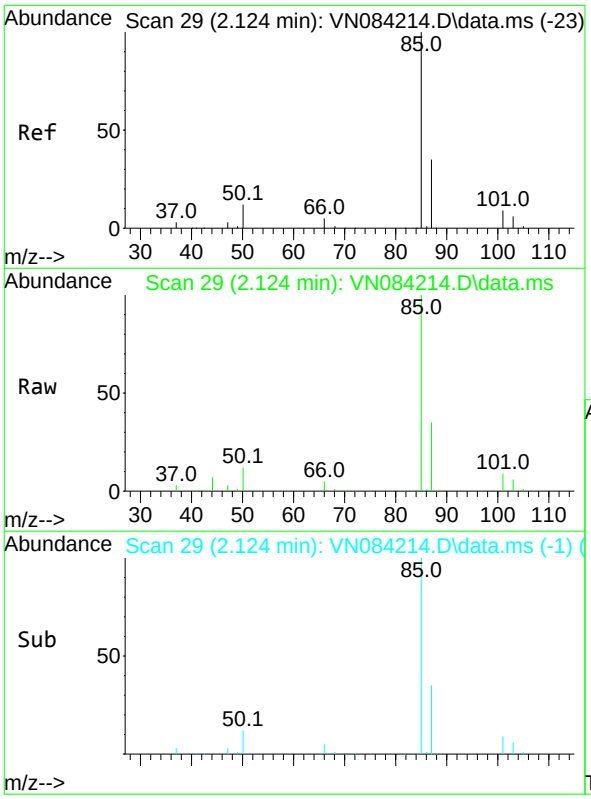
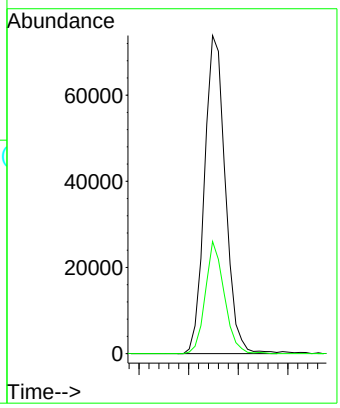
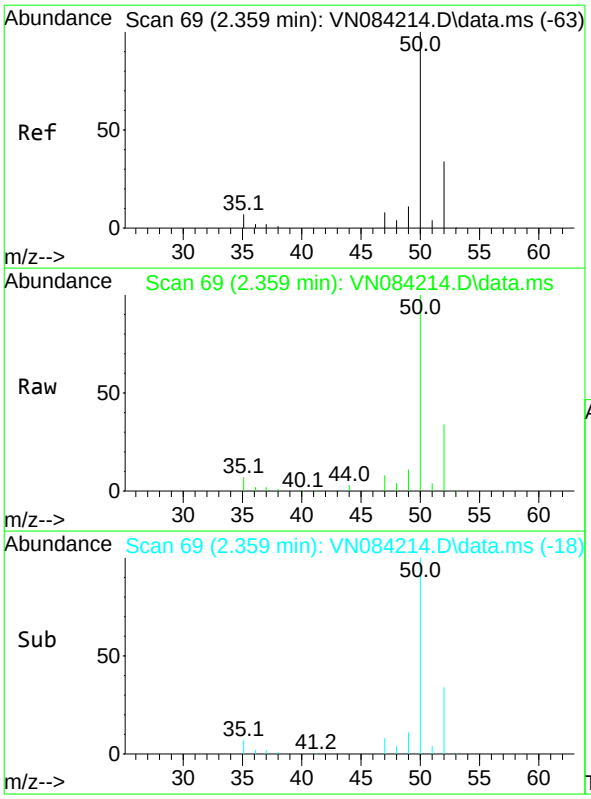


#2
Dichlorodifluoromethane
Concen: 51.835 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.6	52.9

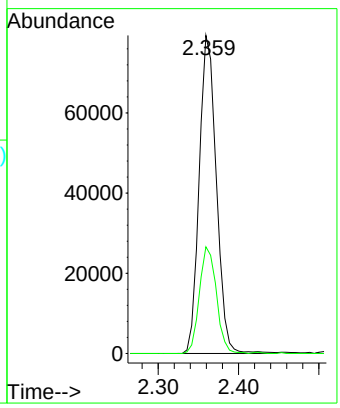




#3
Chloromethane
Concen: 49.686 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 50 Resp: 117689

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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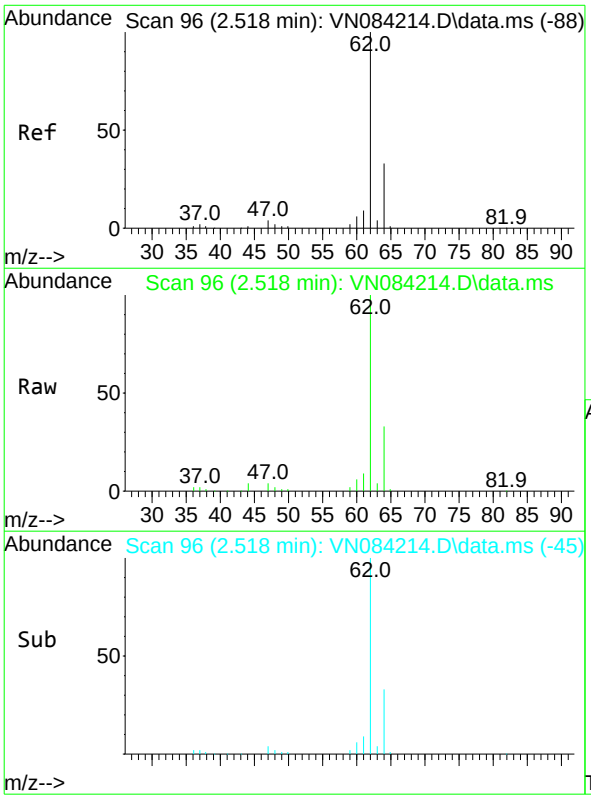
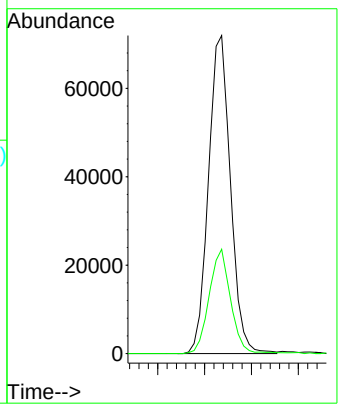
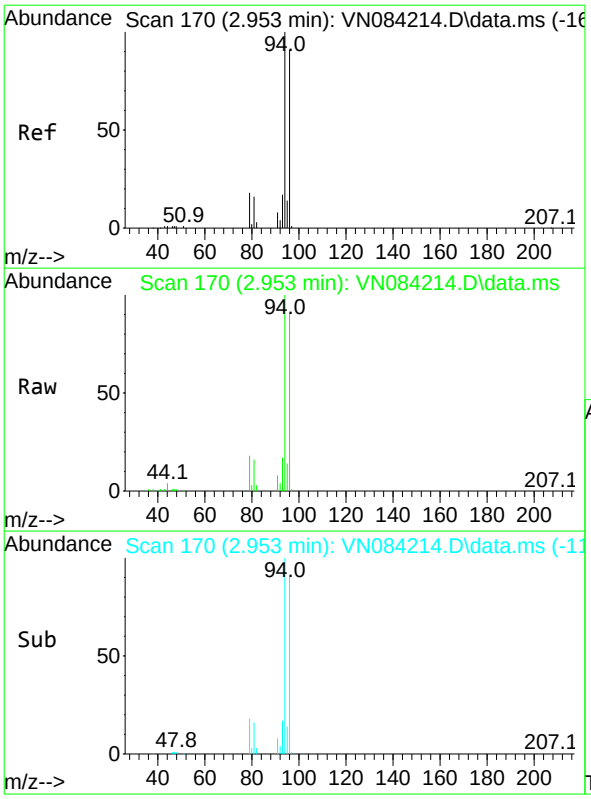


#4
Vinyl Chloride
Concen: 51.007 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 117031

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

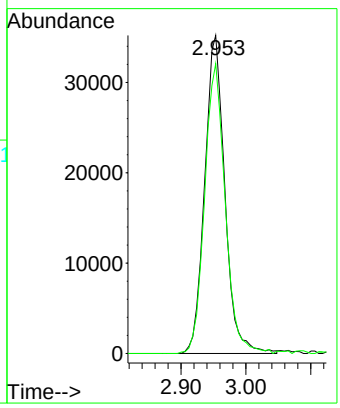




#5
Bromomethane
Concen: 50.118 ug/l
RT: 2.953 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 94 Resp: 75848

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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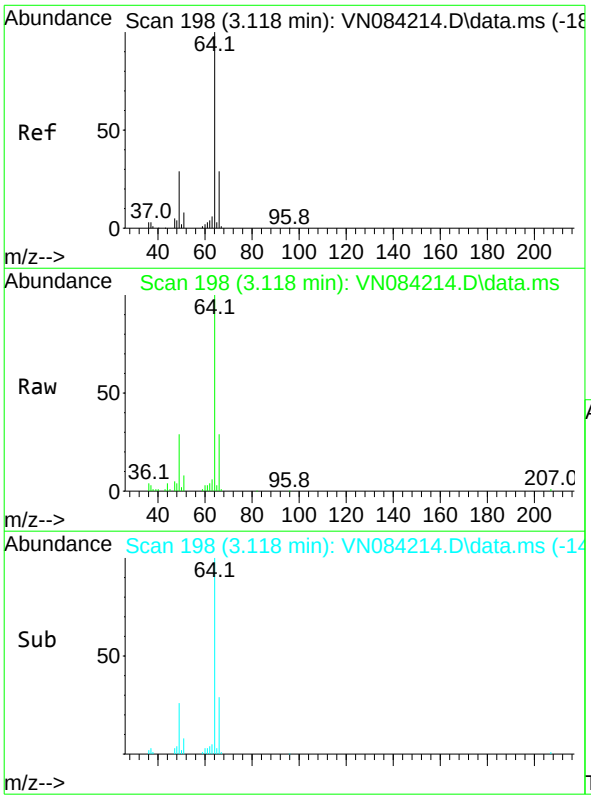
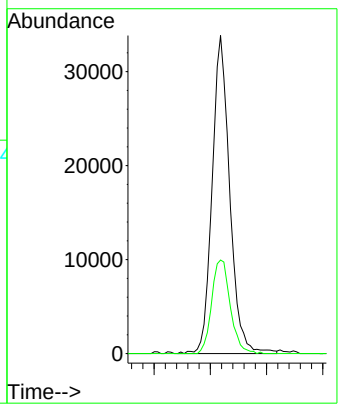
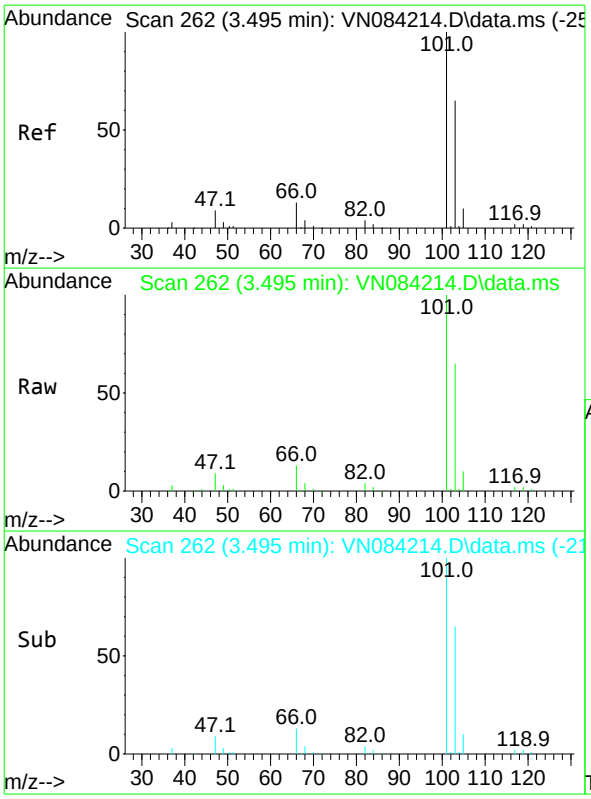


#6
Chloroethane
Concen: 44.693 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 64 Resp: 73440

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.5	35.3

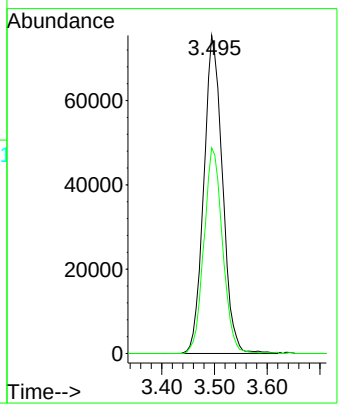




#7
Trichlorofluoromethane
Concen: 52.055 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:101 Resp: 185982

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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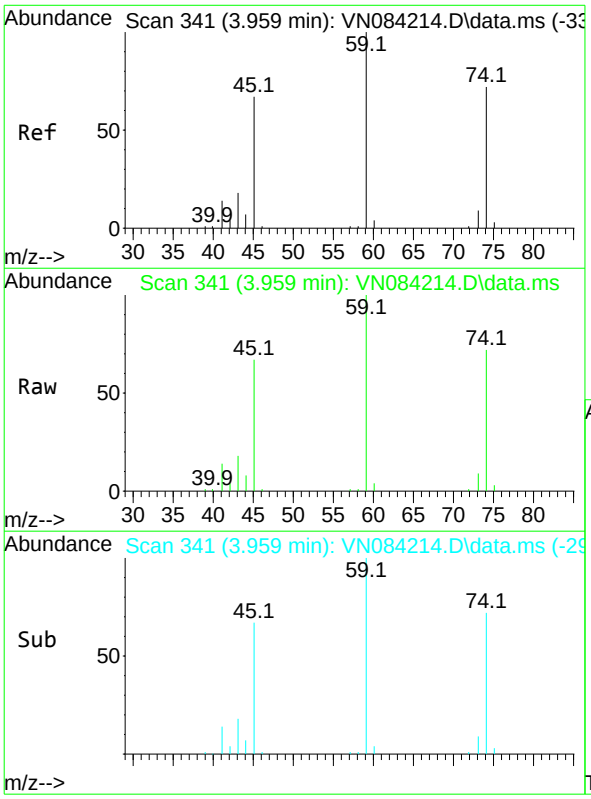
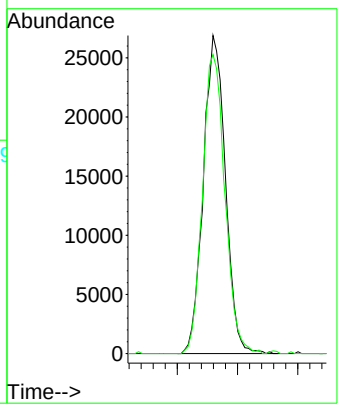
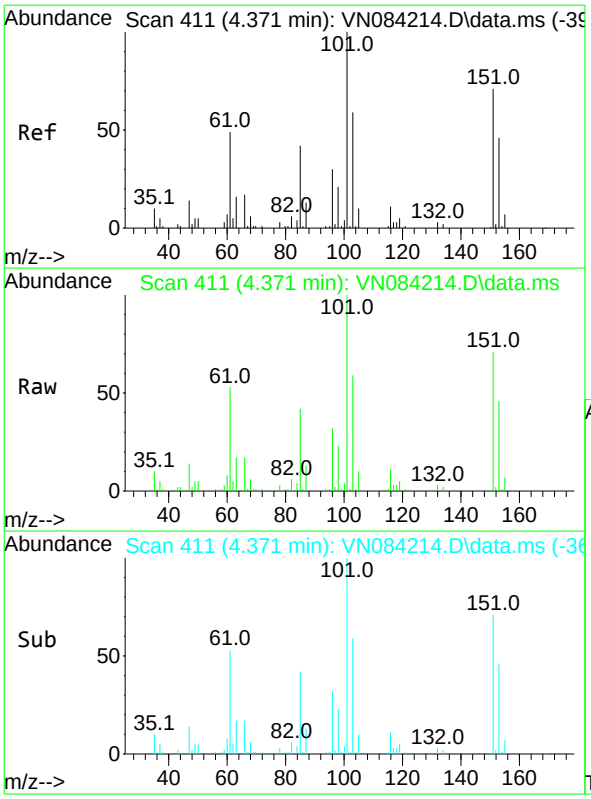


#8
Diethyl Ether
Concen: 51.608 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 74 Resp: 68385

Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.7	143.1

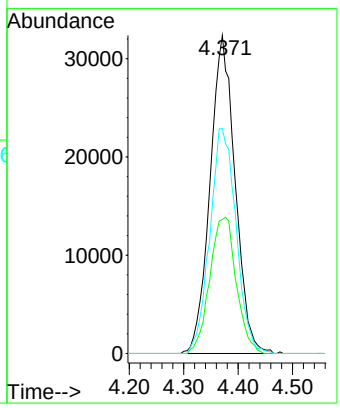




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.583 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:101 Resp: 103552

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	74.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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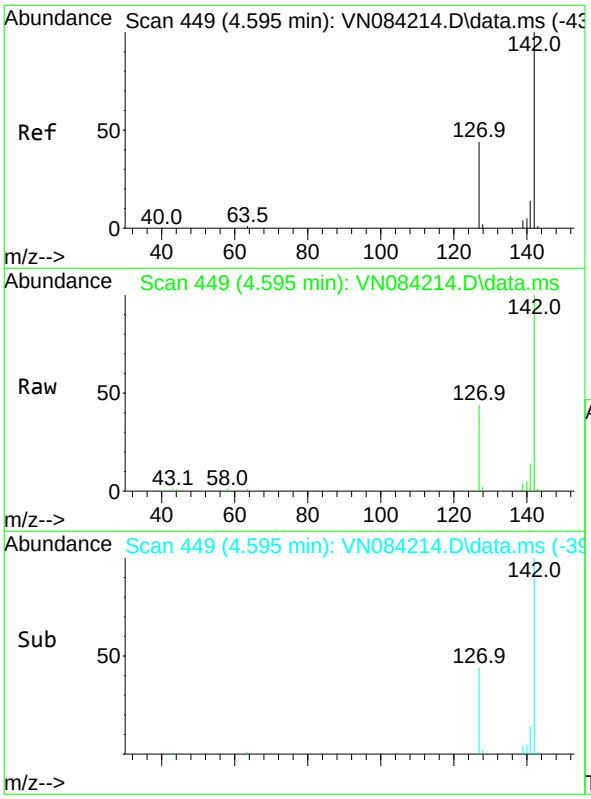
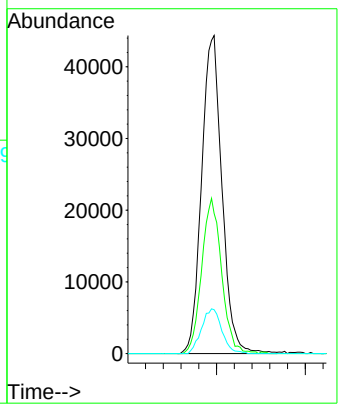
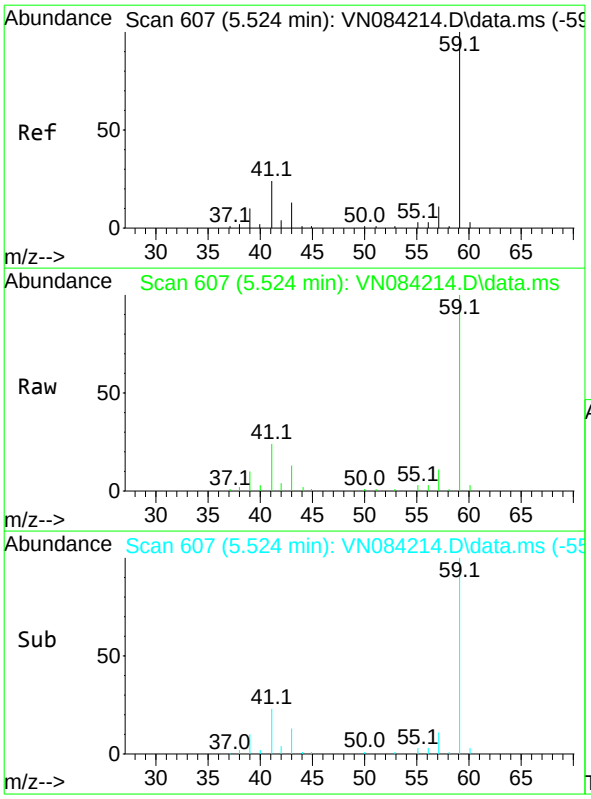


#10
Methyl Iodide
Concen: 53.600 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:142 Resp: 141310

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.3	52.9
141	13.8	11.0	16.6

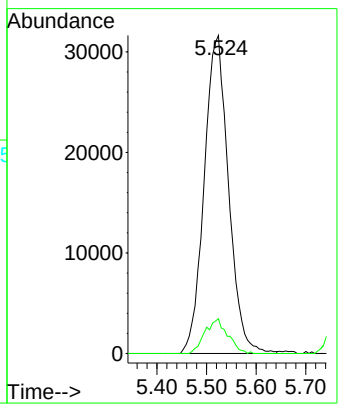




#11
Tert butyl alcohol
Concen: 251.850 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 59 Resp: 107986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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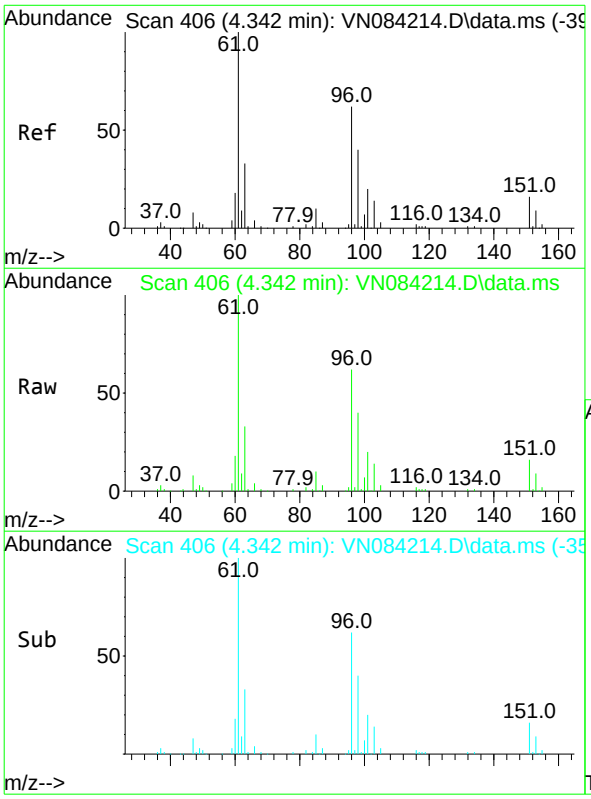
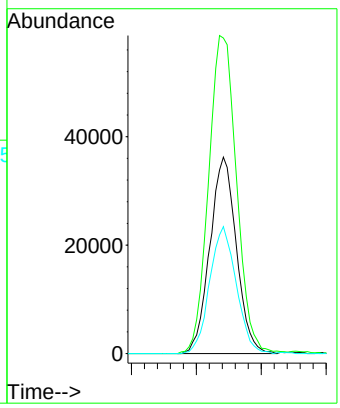
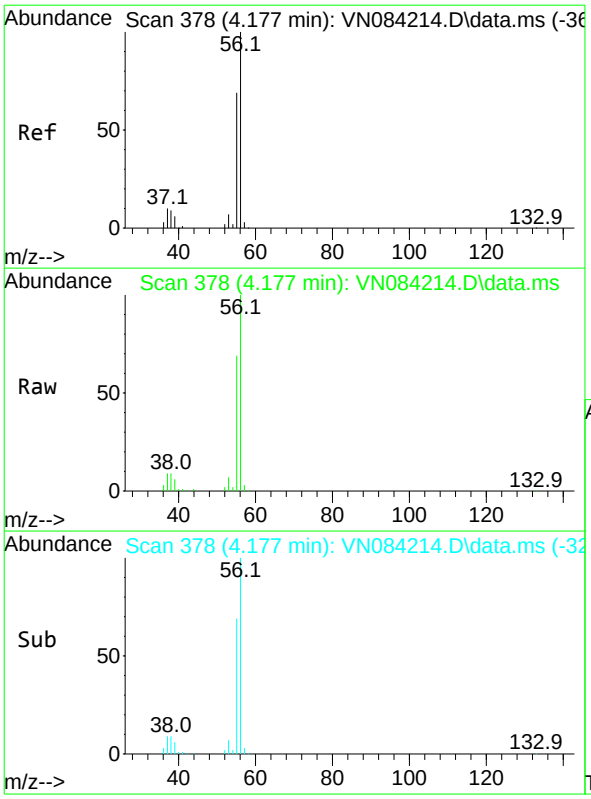


#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 102934

Ion	Ratio	Lower	Upper
96	100		
61	160.7	128.6	192.8
98	64.6	51.7	77.5

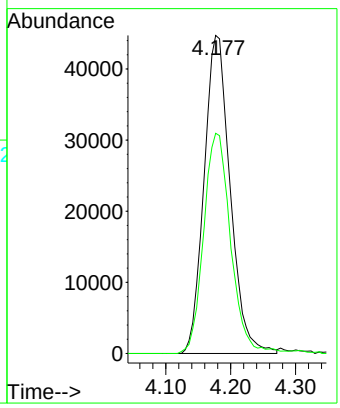




#13
Acrolein
Concen: 253.821 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 56 Resp: 124940

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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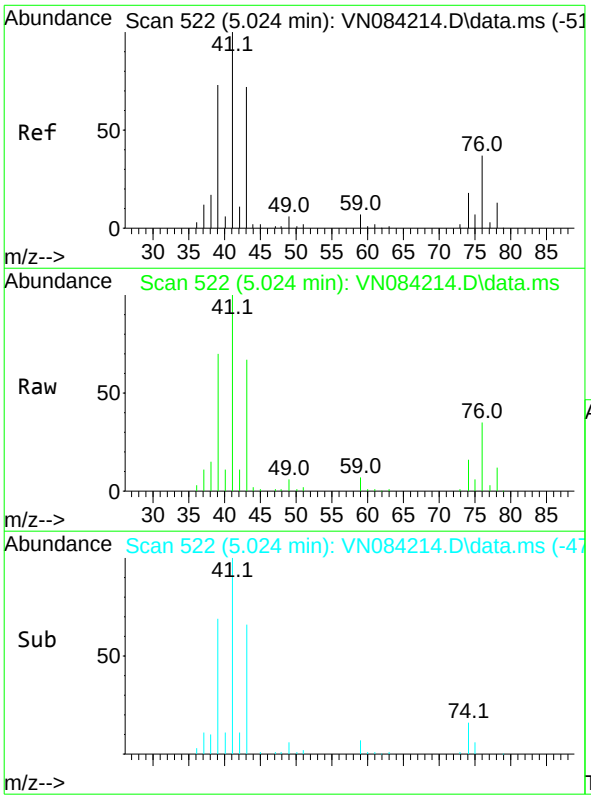
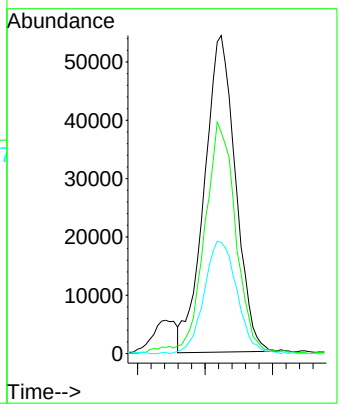
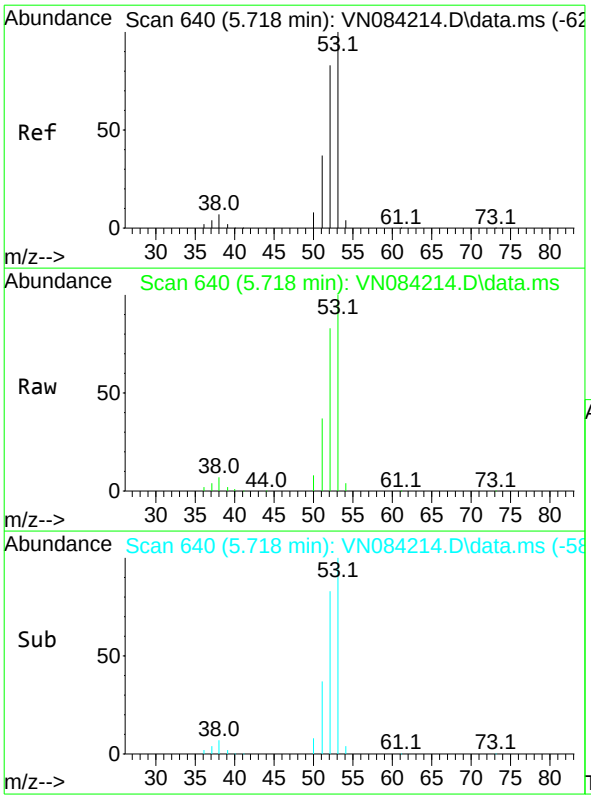


#14
Allyl chloride
Concen: 50.889 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 174518

Ion	Ratio	Lower	Upper
41	100		
39	73.8	59.0	88.6
76	37.2	29.8	44.6

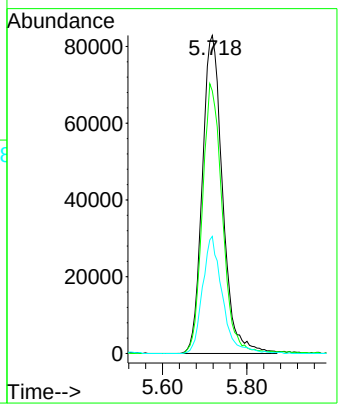




#15
Acrylonitrile
Concen: 256.145 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 53 Resp: 277346

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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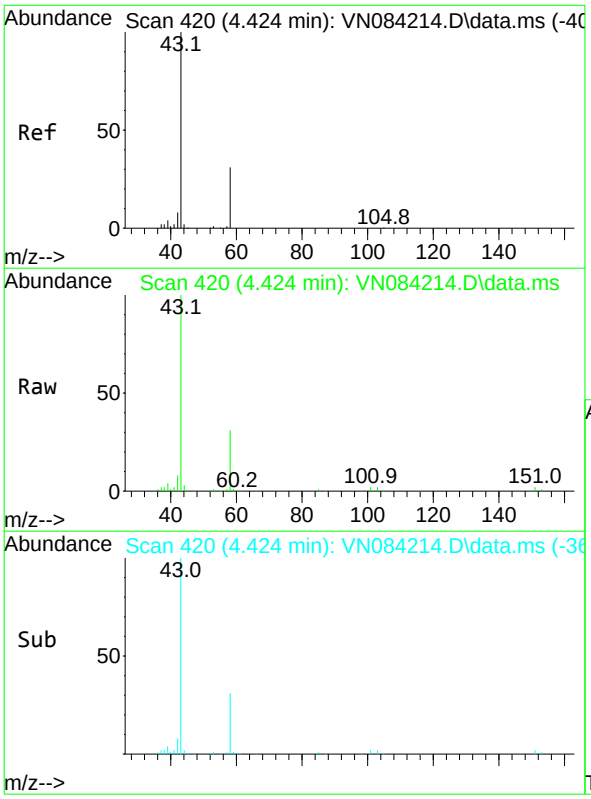
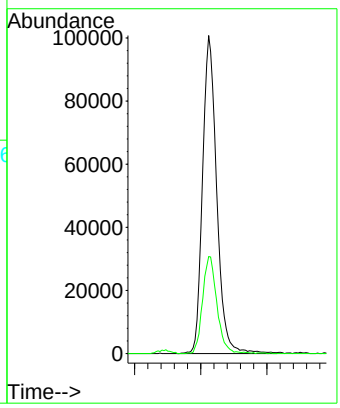
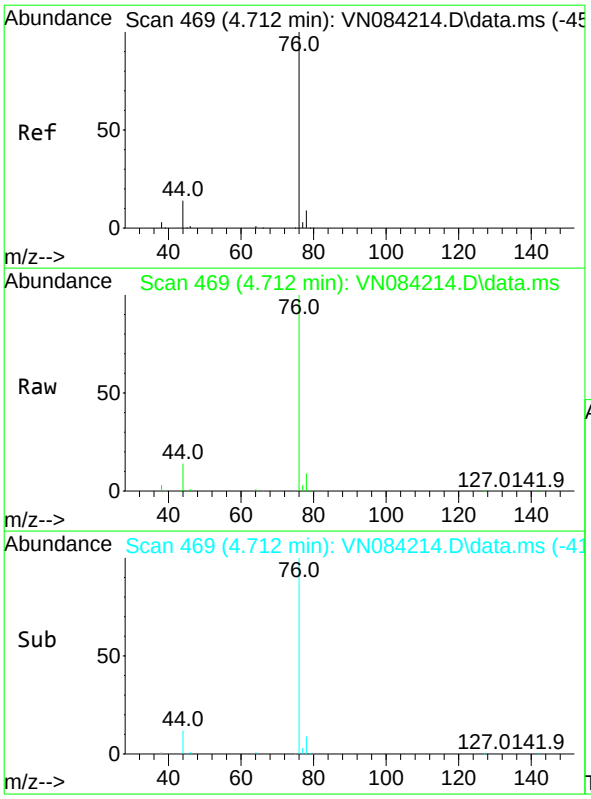


#16
Acetone
Concen: 268.132 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 299515

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6

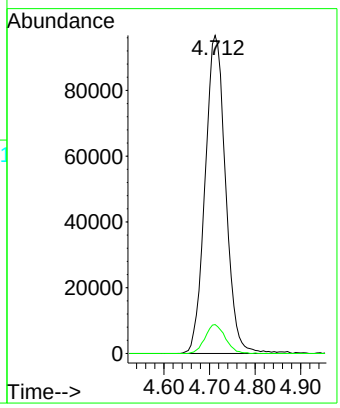




#17
Carbon Disulfide
Concen: 48.335 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 76 Resp: 302183

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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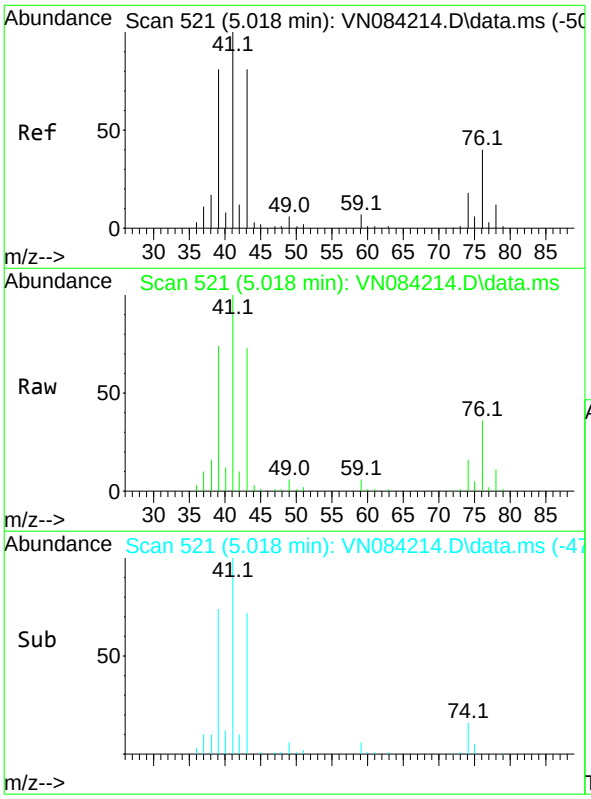
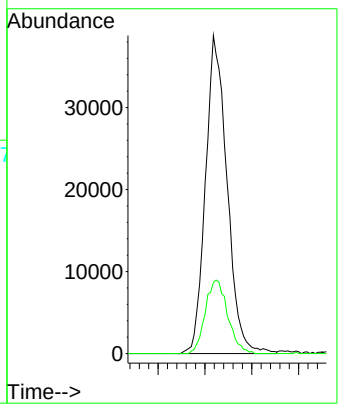
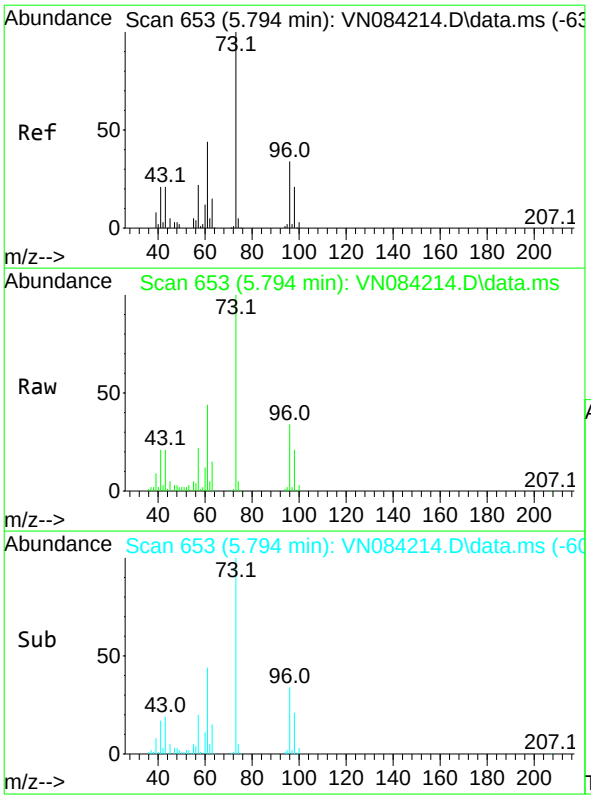


#18
Methyl Acetate
Concen: 50.934 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 124007

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

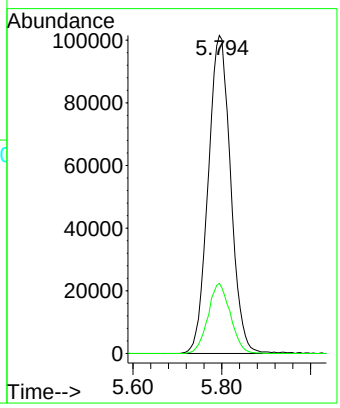




#19
Methyl tert-butyl Ether
Concen: 53.487 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 73 Resp: 356478

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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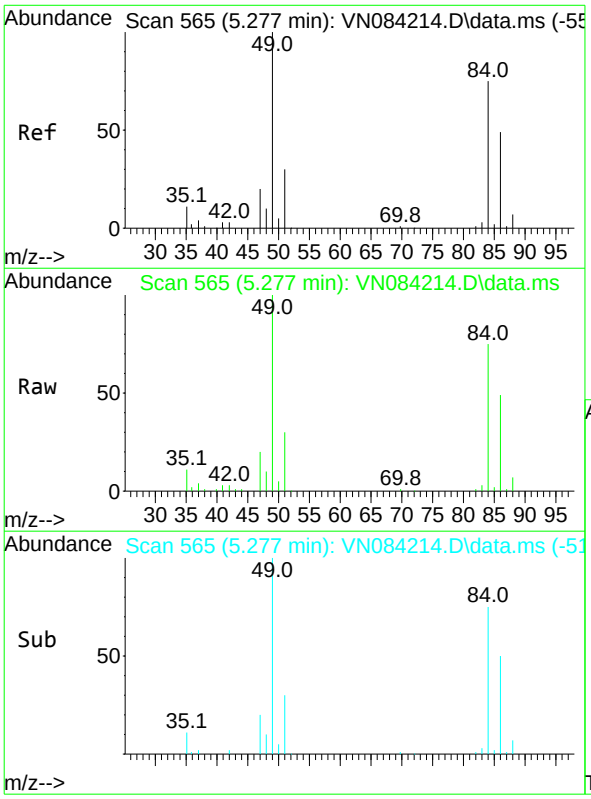
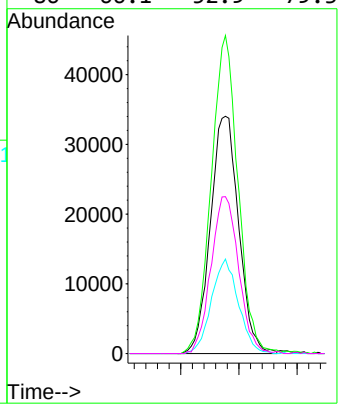
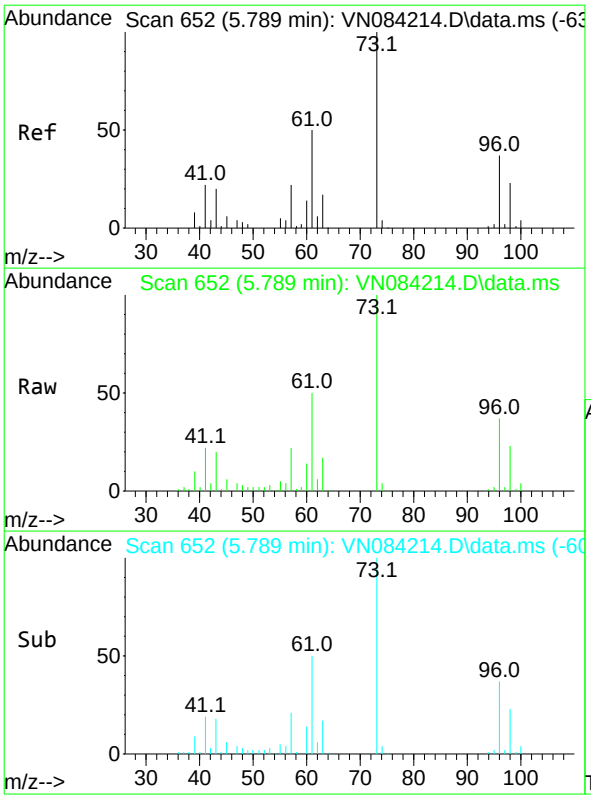


#20
Methylene Chloride
Concen: 50.609 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 84 Resp: 114918

Ion	Ratio	Lower	Upper
84	100		
49	134.0	107.2	160.8
51	39.8	31.8	47.8
86	66.1	52.9	79.3

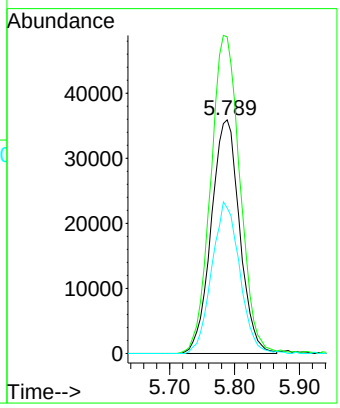




#21
trans-1,2-Dichloroethene
Concen: 52.711 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 109048

Ion	Ratio	Lower	Upper
96	100		
61	135.5	108.4	162.6
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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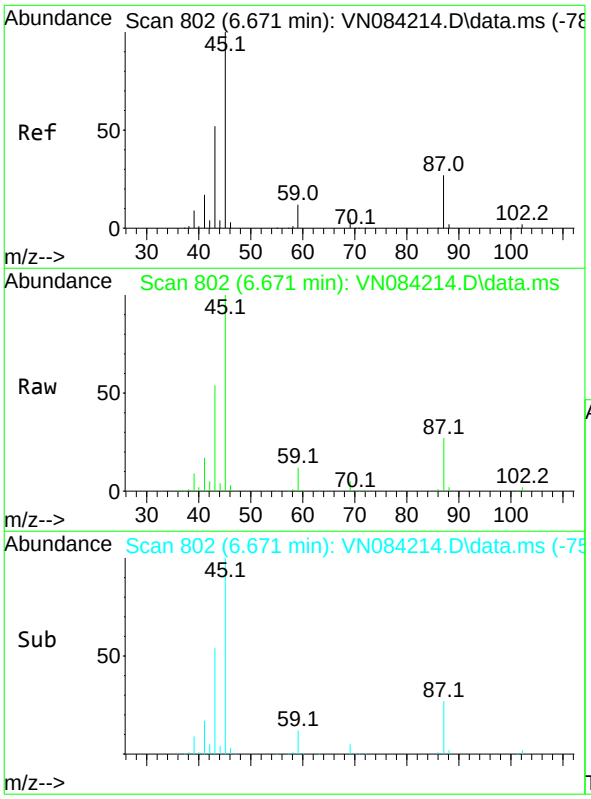
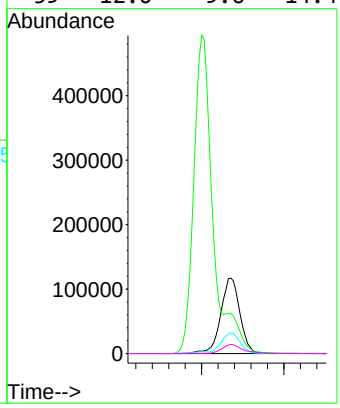
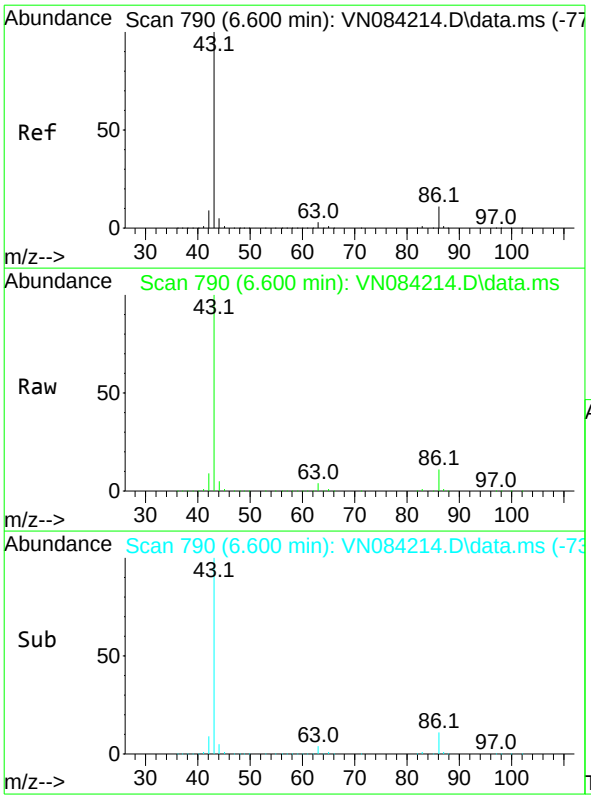


#22
Diisopropyl ether
Concen: 53.501 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 45 Resp: 379516

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	27.2	21.8	32.6
59	12.0	9.6	14.4

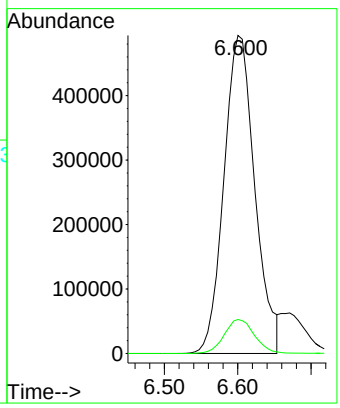




#23
Vinyl Acetate
Concen: 273.176 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 1444909

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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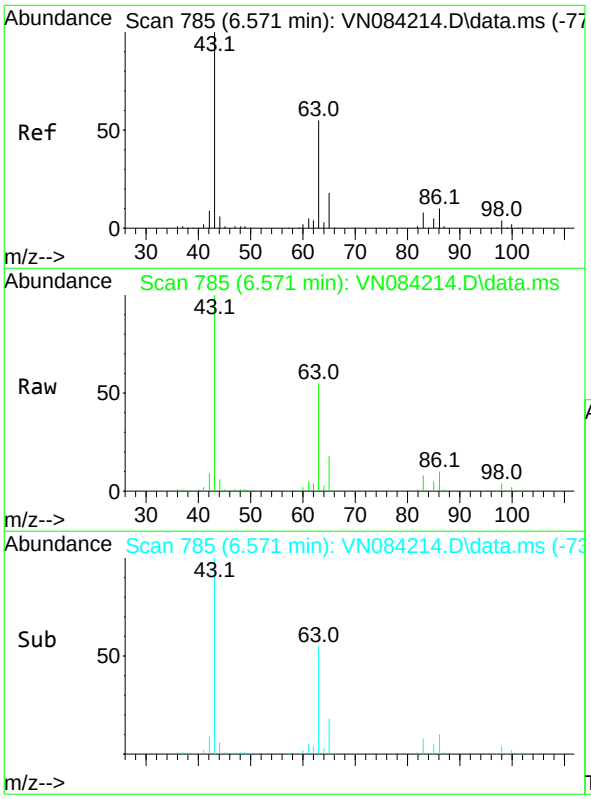
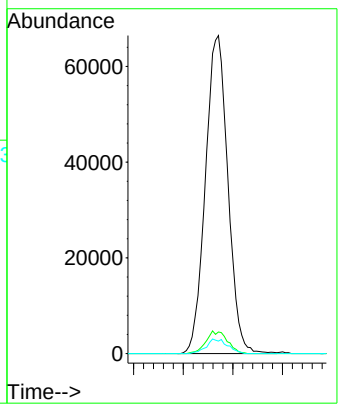
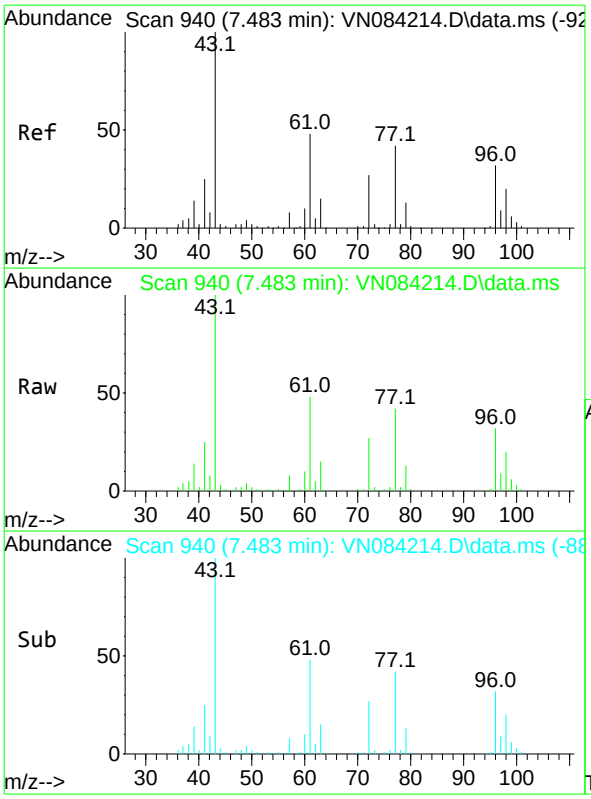


#24
1,1-Dichloroethane
Concen: 52.742 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 209222

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	3.9	2.0	5.8

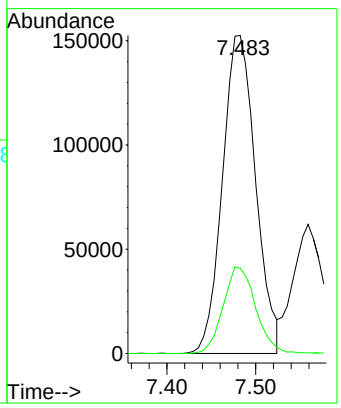




#25
2-Butanone
Concen: 260.524 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 396369

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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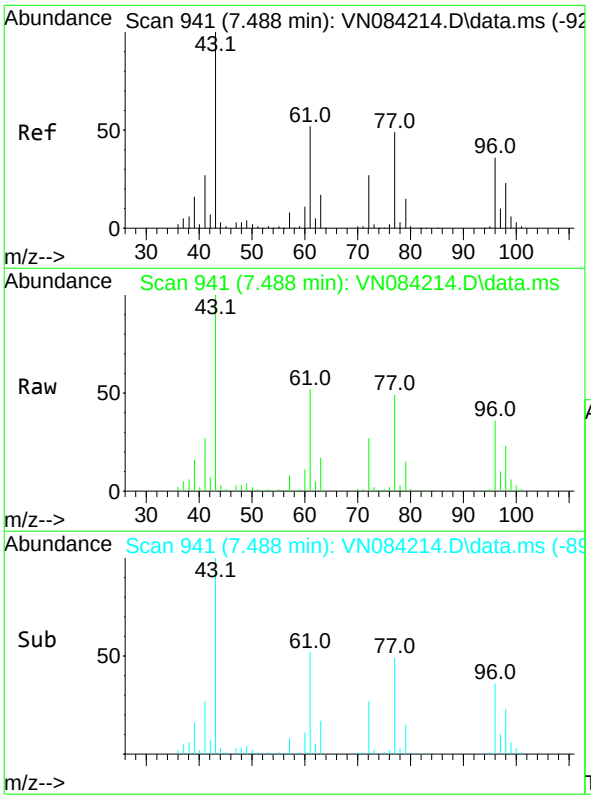
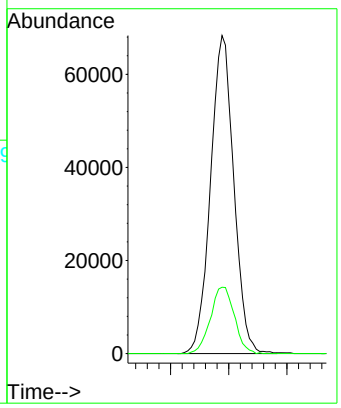
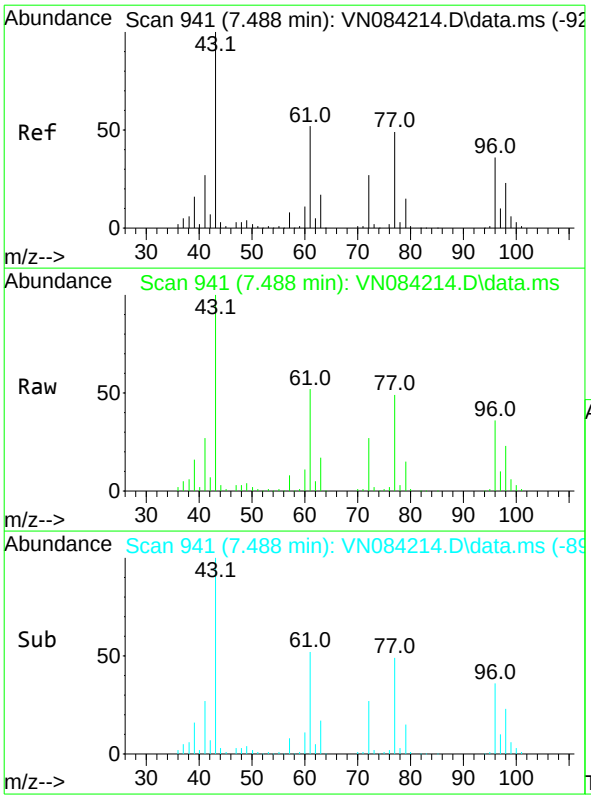


#26
2,2-Dichloropropane
Concen: 53.050 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 77 Resp: 189745

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3

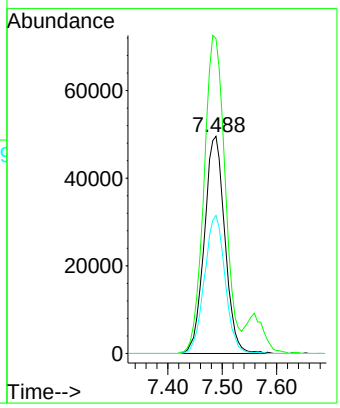




#27
cis-1,2-Dichloroethene
Concen: 51.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 129873

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	301.8
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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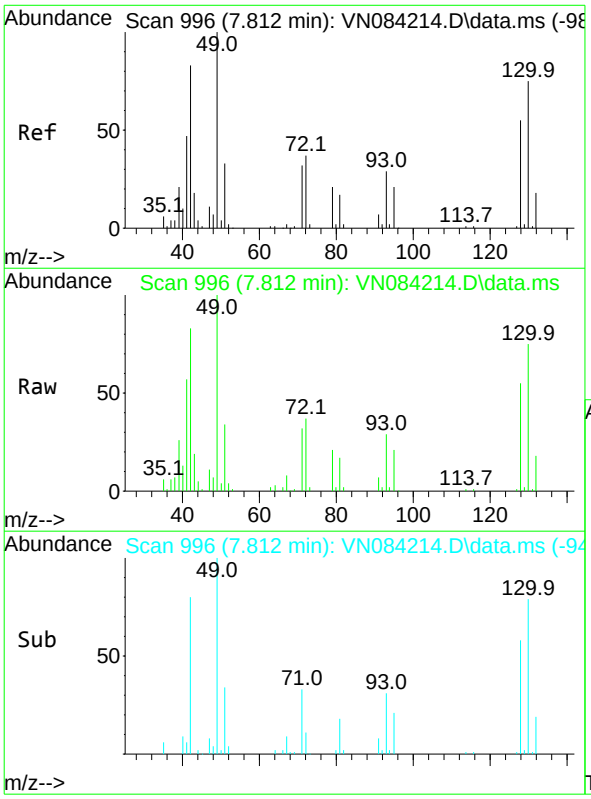
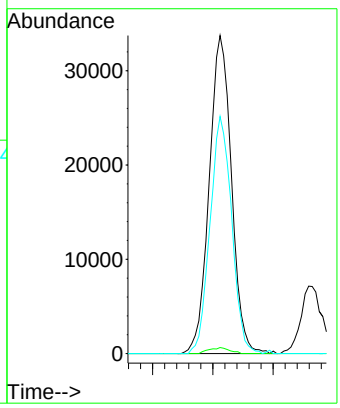
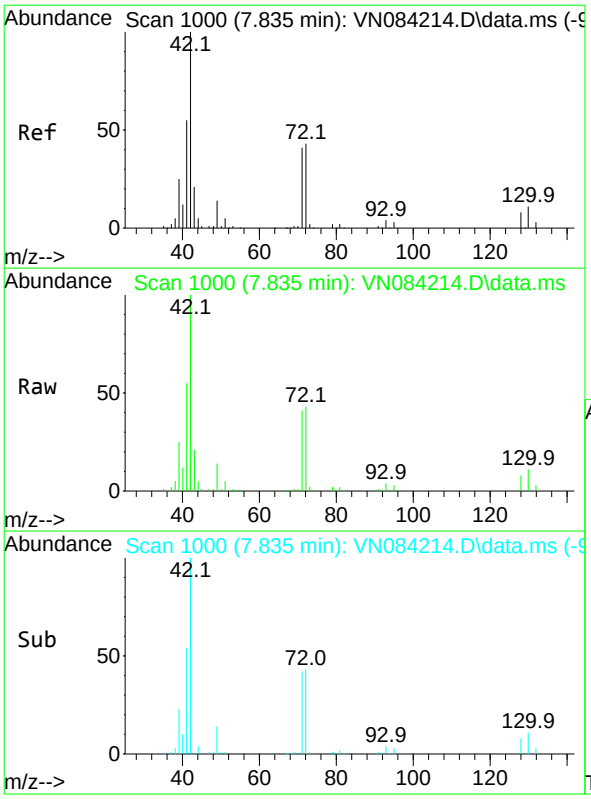


#28
Bromochloromethane
Concen: 48.919 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 49 Resp: 86584

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.5	58.0	87.0

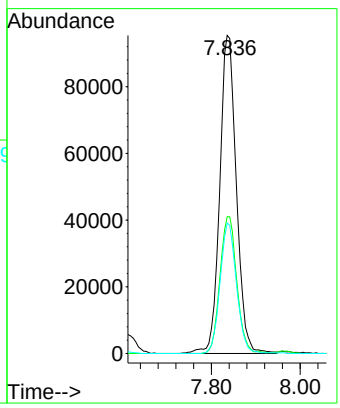




#29
Tetrahydrofuran
Concen: 264.488 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 42 Resp: 248328

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	40.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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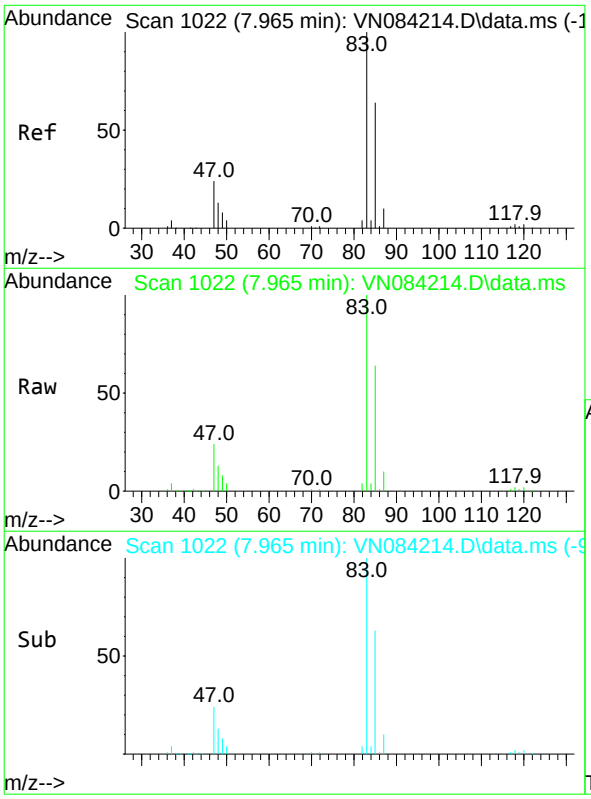
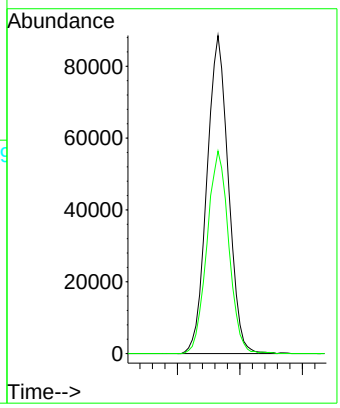
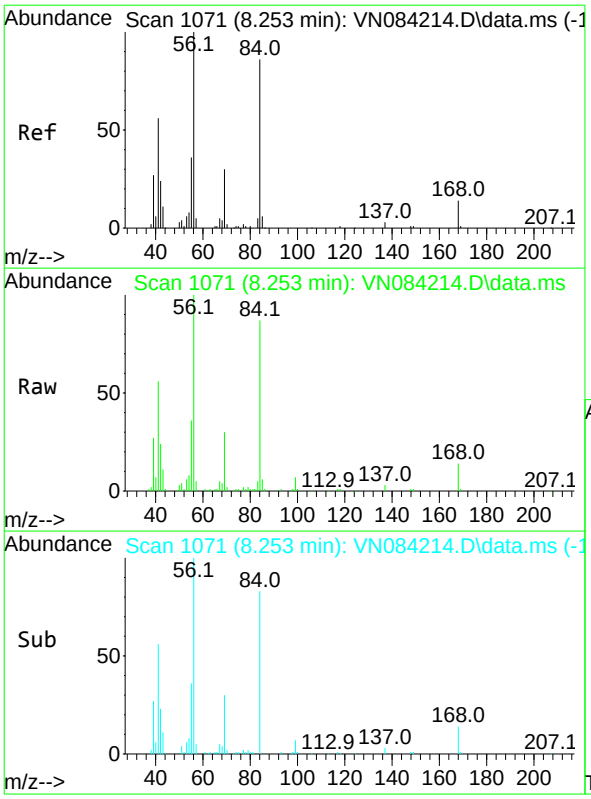


#30
Chloroform
Concen: 51.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 211178

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4

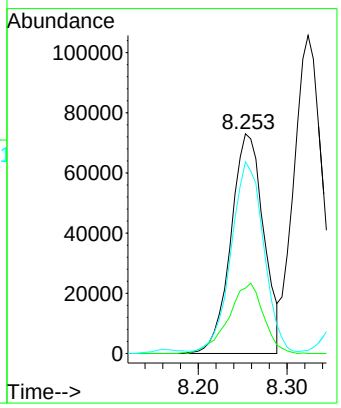




#31
Cyclohexane
Concen: 48.624 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 56 Resp: 187282

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.6
84	86.0	68.8	103.2



Instrument :
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ClientSampleId :
VSTDICCC050

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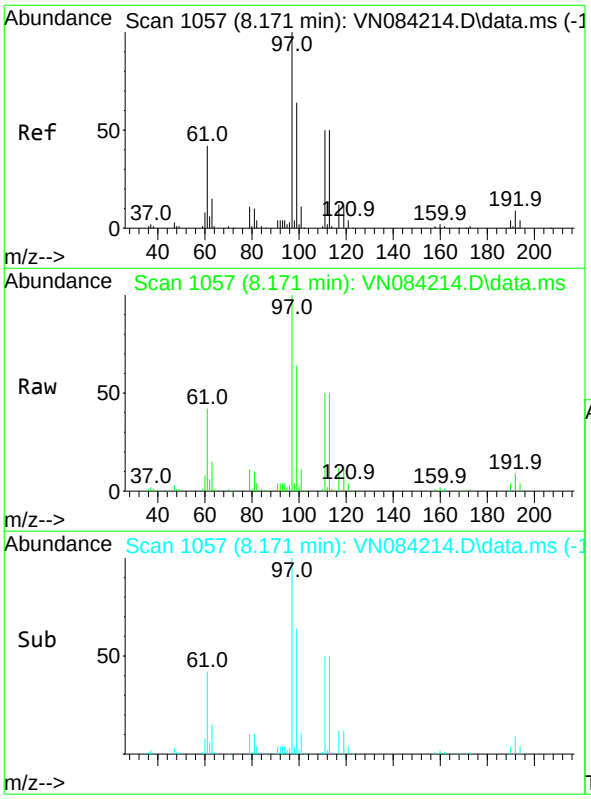
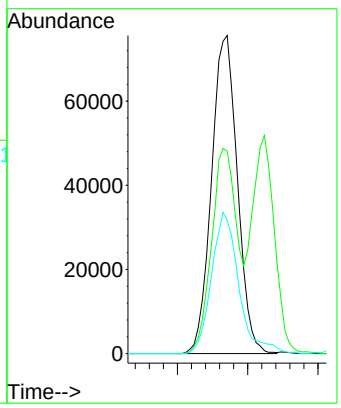
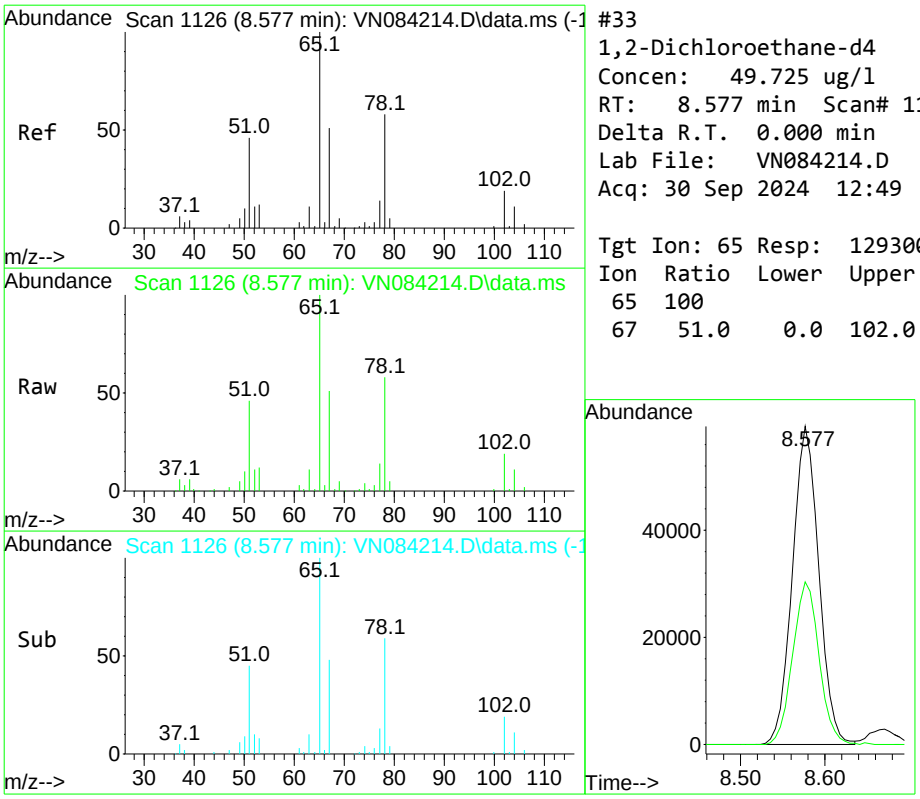


#32
1,1,1-Trichloroethane
Concen: 52.237 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 97 Resp: 193315

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.9	37.5	56.3





#33
1,2-Dichloroethane-d4
Concen: 49.725 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 65 Resp: 129300

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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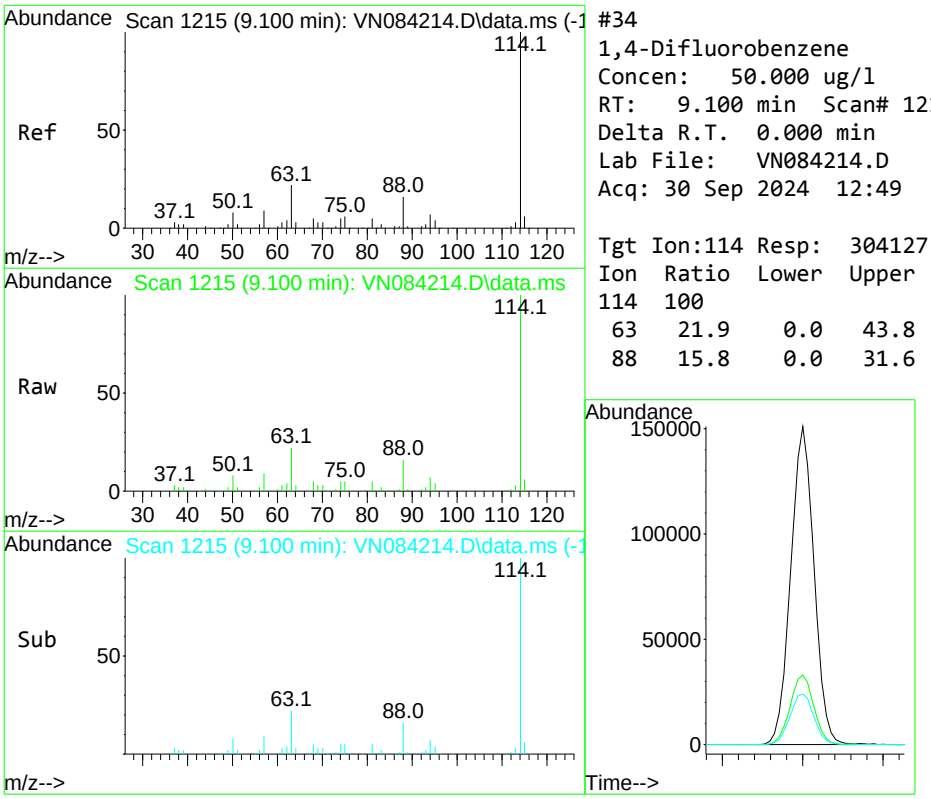
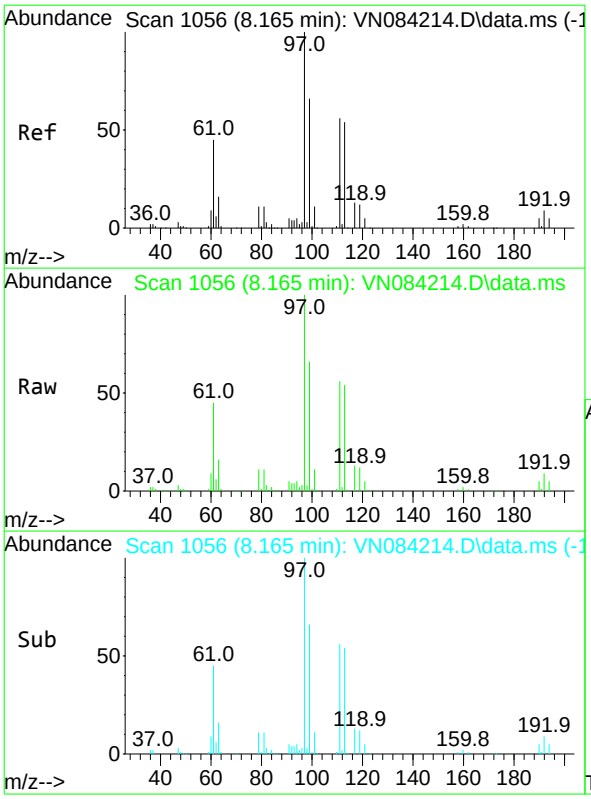


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:114 Resp: 304127

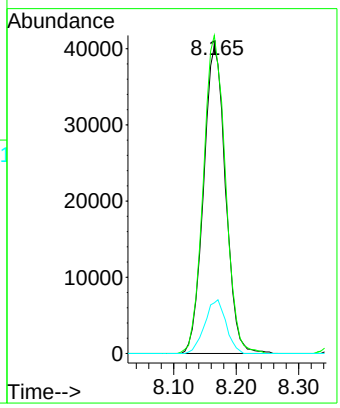
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	15.8	0.0	31.6



#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:113 Resp: 98531

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	16.9	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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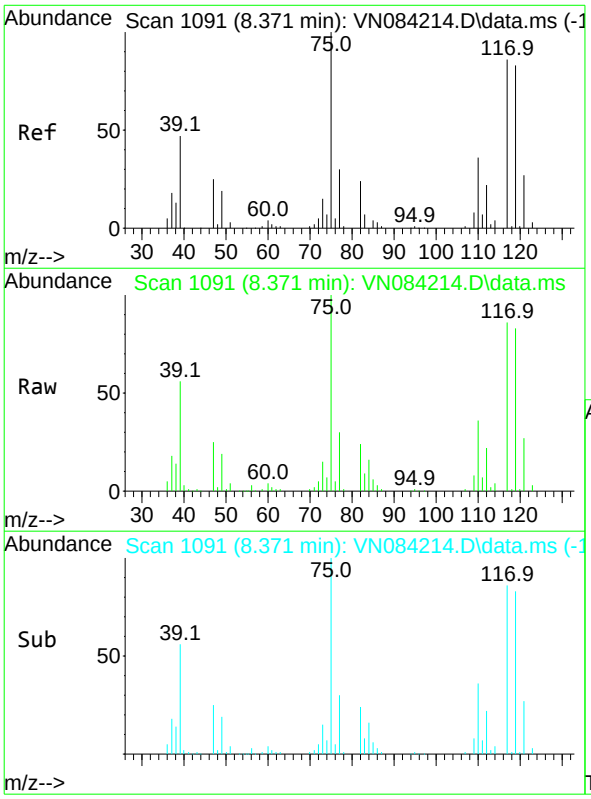
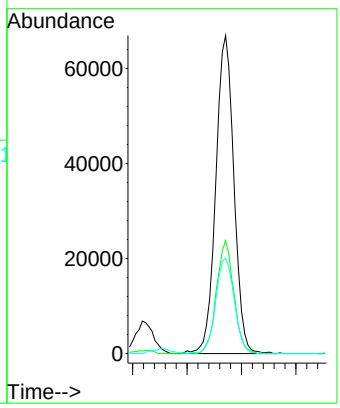
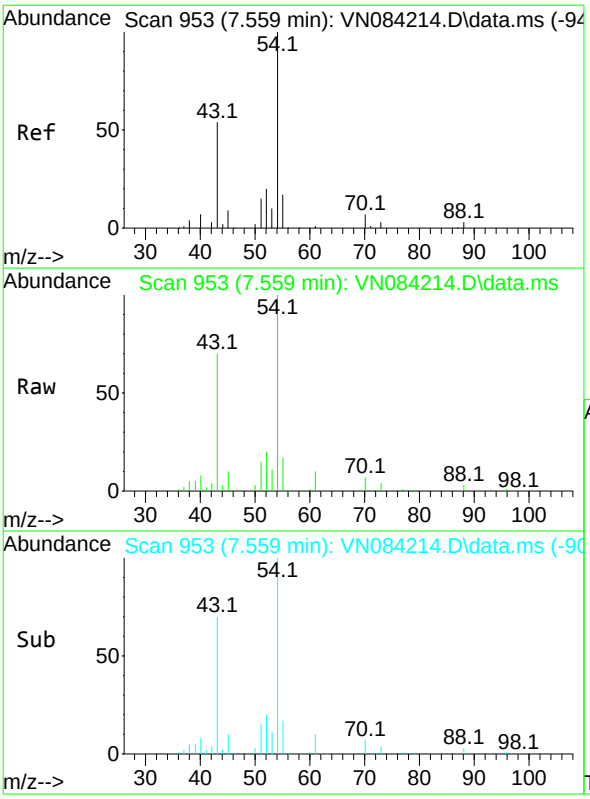


#36
1,1-Dichloropropene
Concen: 53.172 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 154855

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.9	24.7	37.1

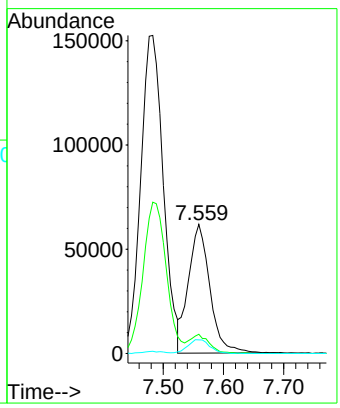




#37
Ethyl Acetate
Concen: 51.216 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 153024

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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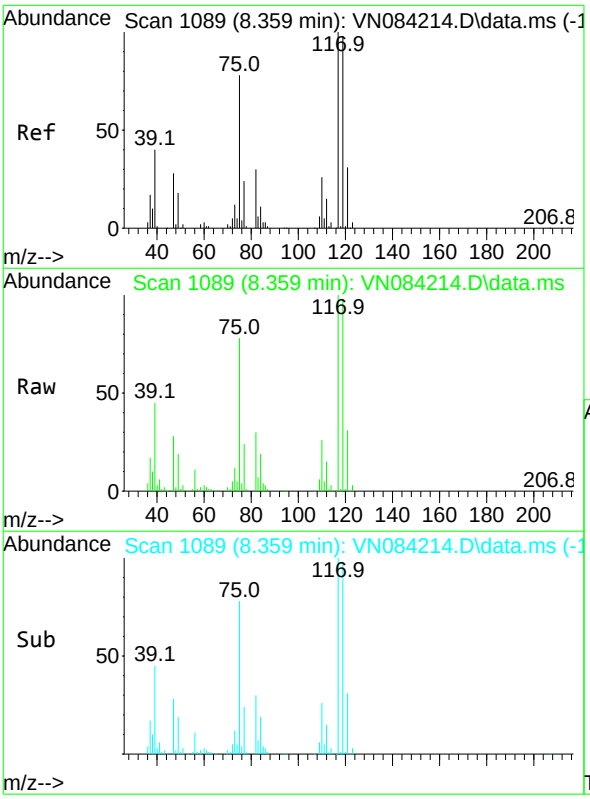
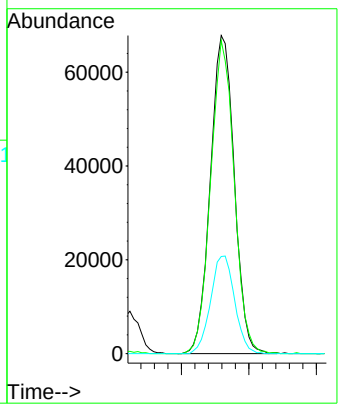
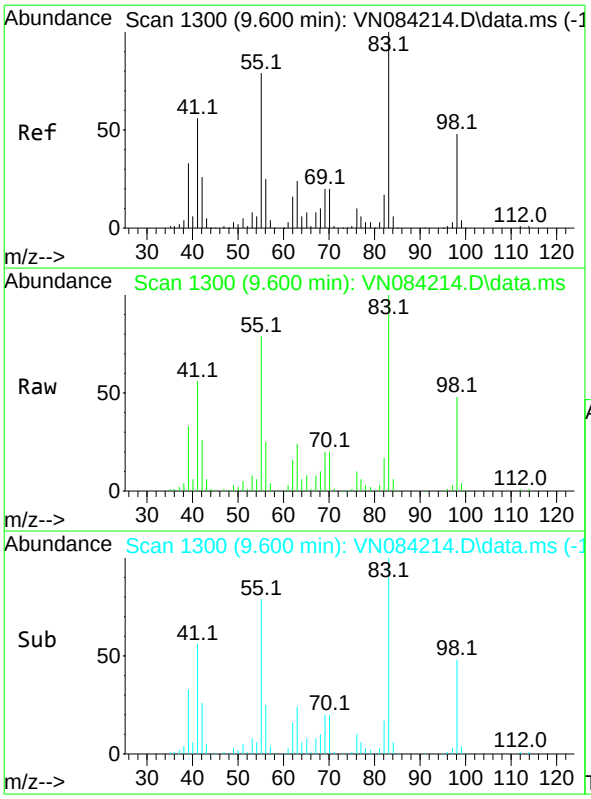


#38
Carbon Tetrachloride
Concen: 52.301 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 167086

Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	30.5	24.4	36.6

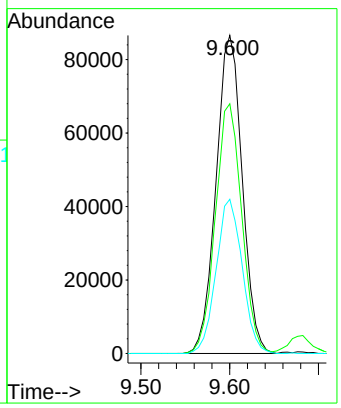




#39
Methylcyclohexane
Concen: 54.741 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 177433

Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.8	94.2
98	48.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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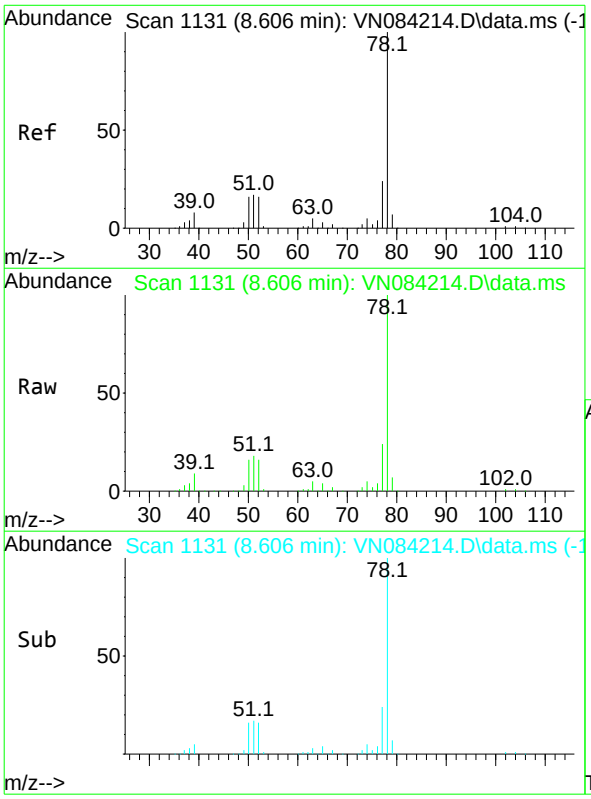
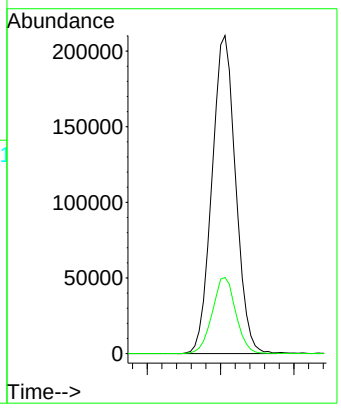
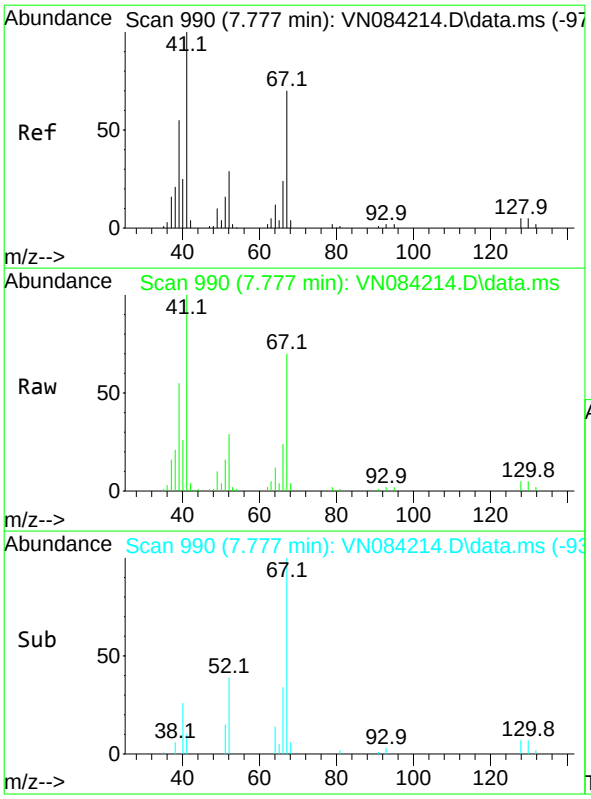


#40
Benzene
Concen: 52.037 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 78 Resp: 472170

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

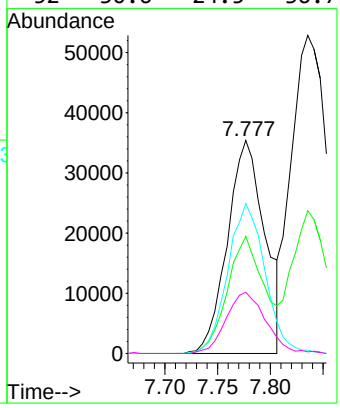




#41
Methacrylonitrile
Concen: 53.861 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 87365

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	70.1	56.1	84.1
52	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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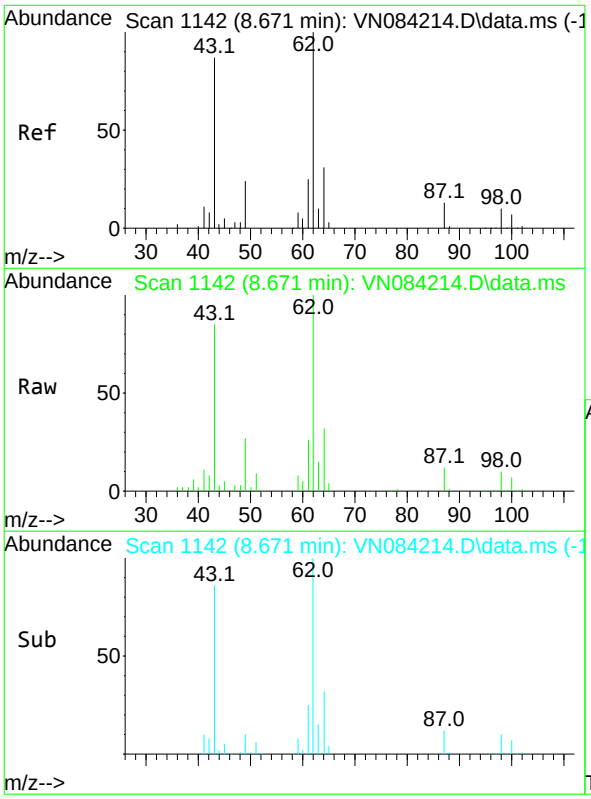
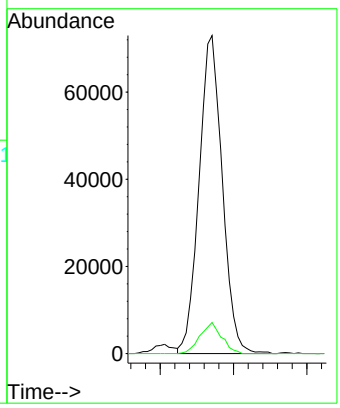
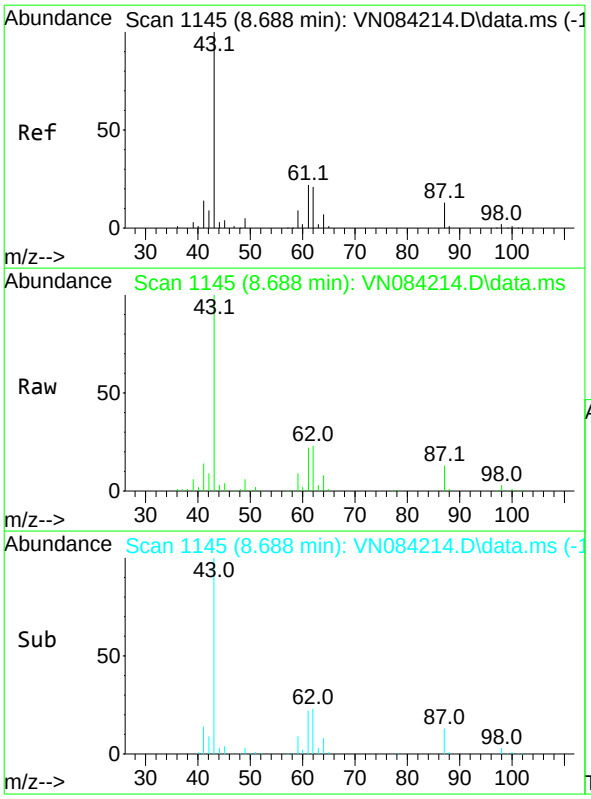


#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 160606

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

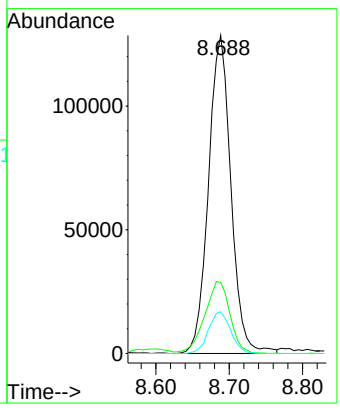




#43
Isopropyl Acetate
Concen: 46.667 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 272992

Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5



Instrument :
MSVOA_N
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VSTDICCC050

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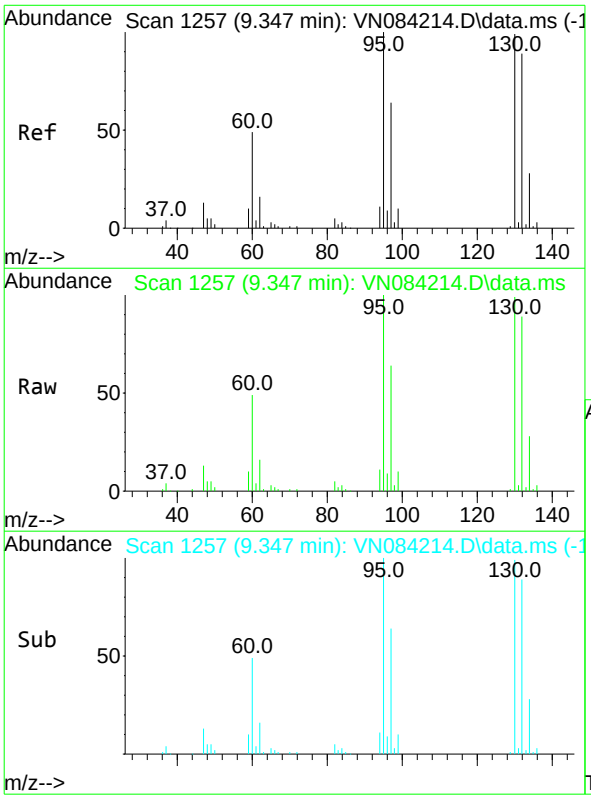
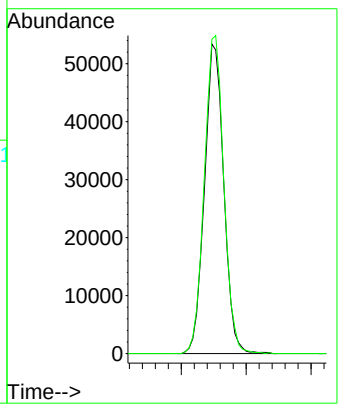
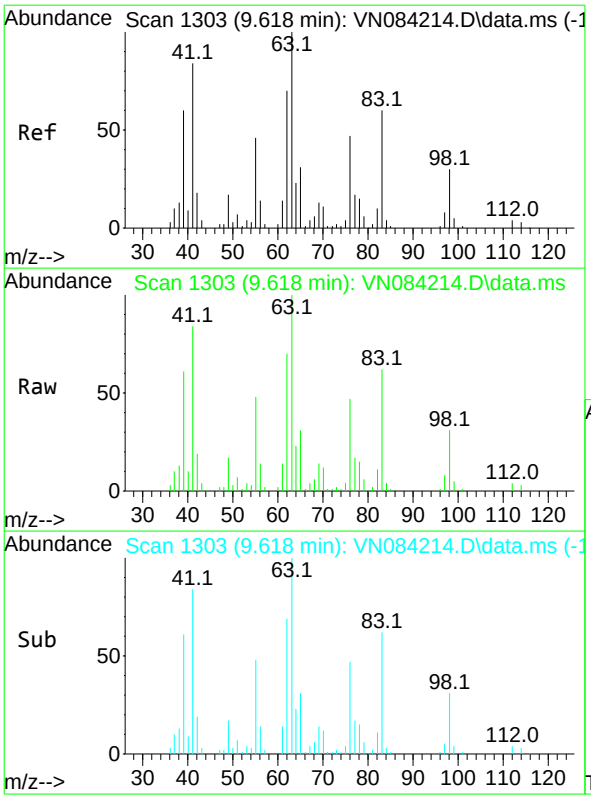


#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:130 Resp: 110119

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

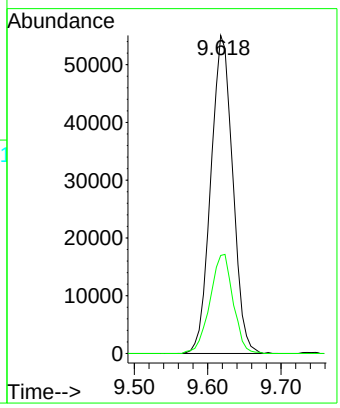




#45
1,2-Dichloropropane
Concen: 53.176 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 114143

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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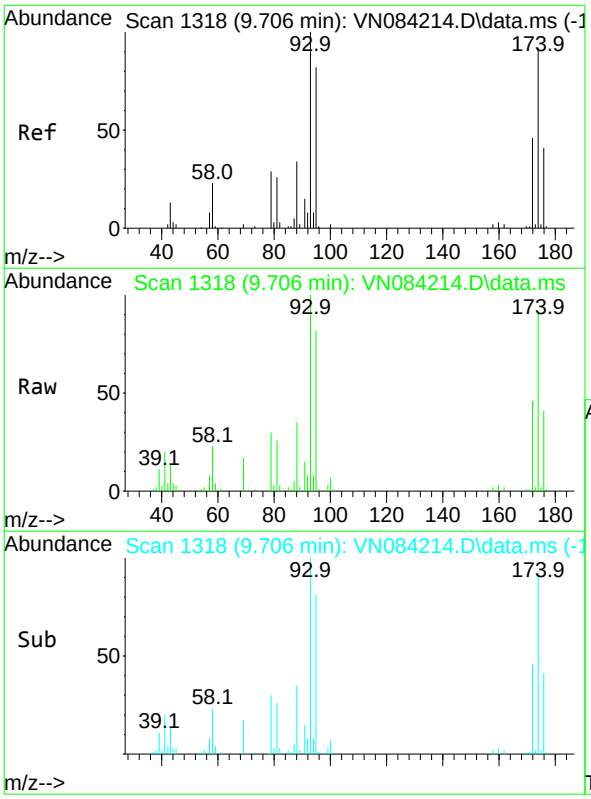
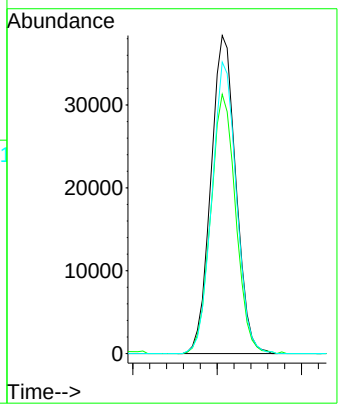
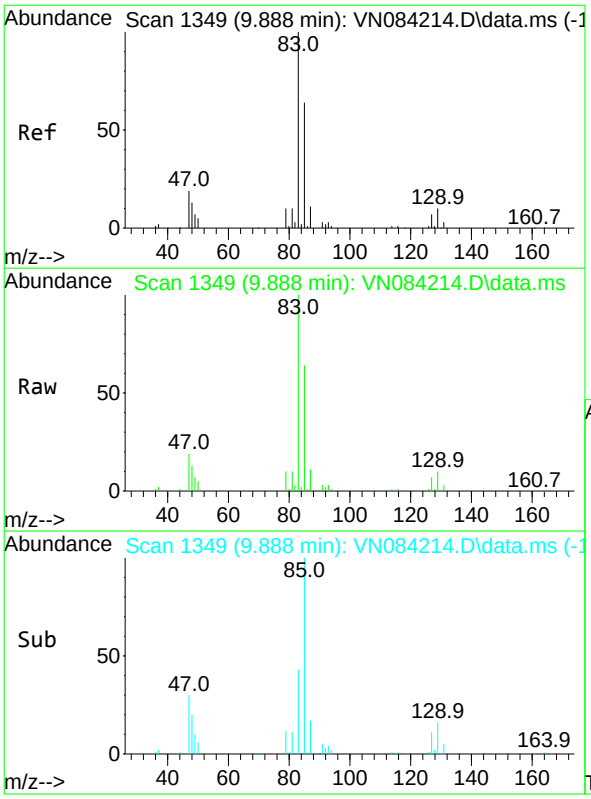


#46
Dibromomethane
Concen: 54.542 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 93 Resp: 79007

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	89.8	71.8	107.8

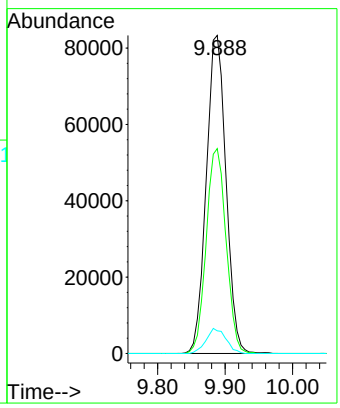




#47
Bromodichloromethane
Concen: 52.595 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 169263

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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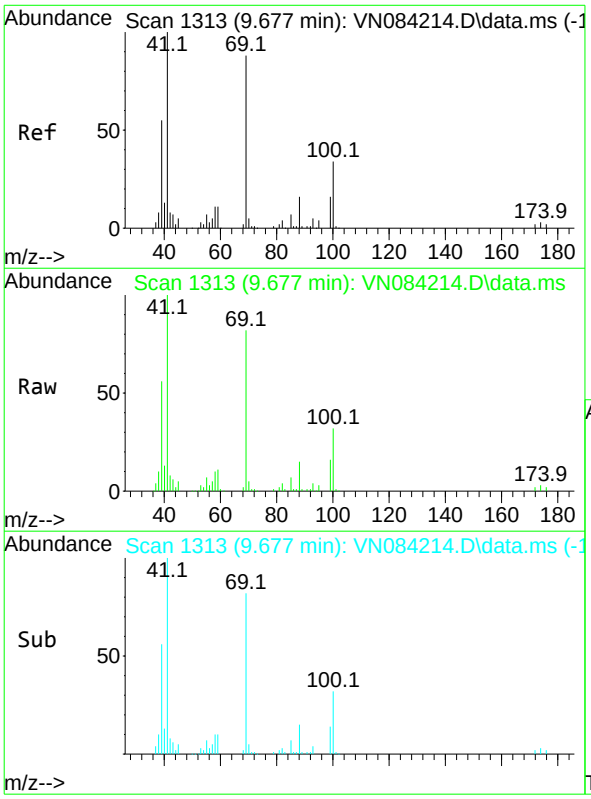
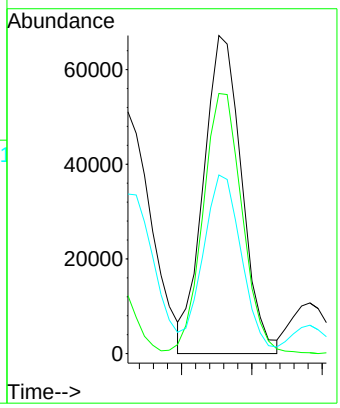
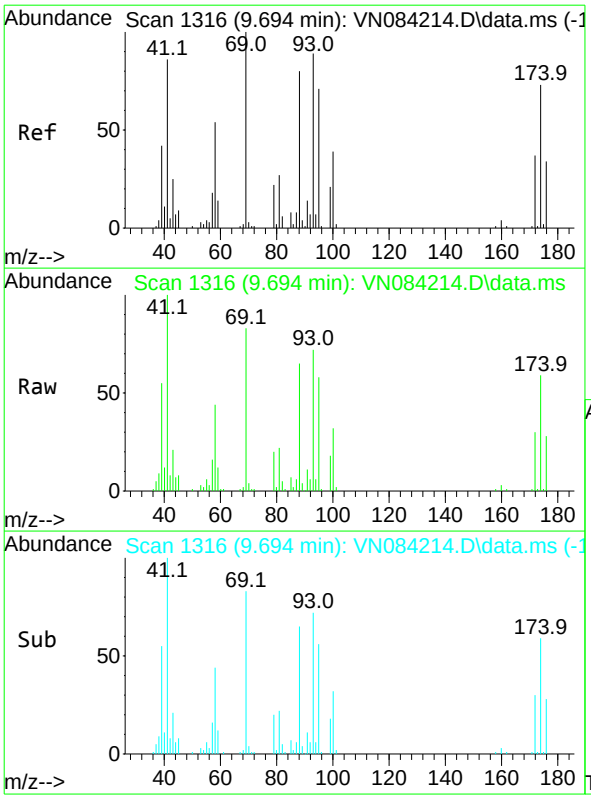


#48
Methyl methacrylate
Concen: 54.534 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 127042

Ion	Ratio	Lower	Upper
41	100		
69	83.9	67.1	100.7
39	57.2	45.8	68.6

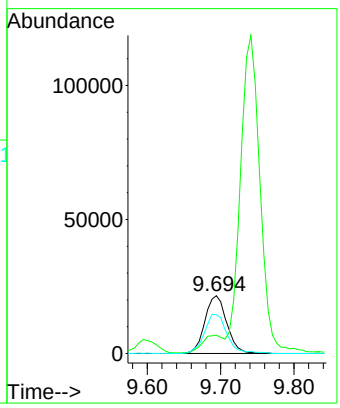




#49
1,4-Dioxane
Concen: 1037.858 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 88 Resp: 44512

Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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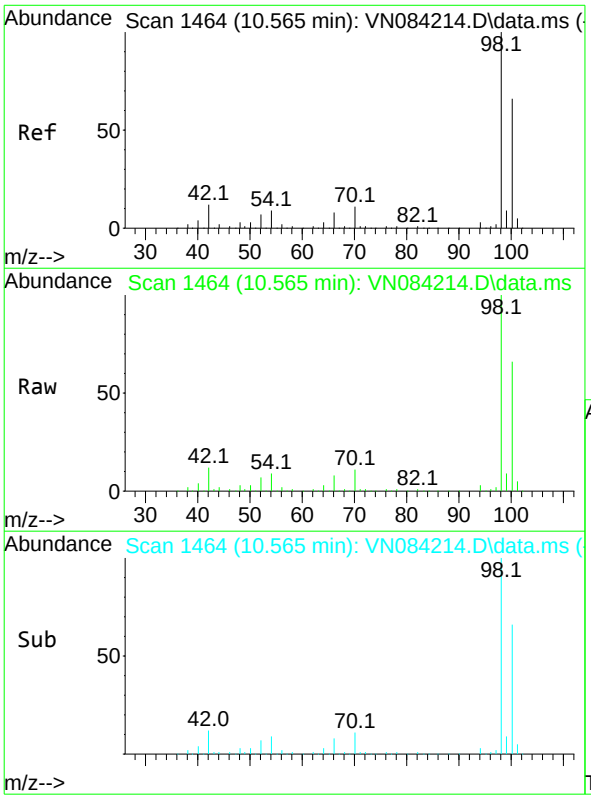
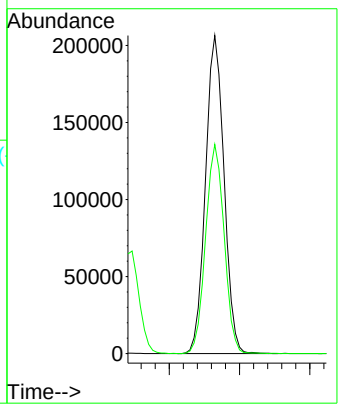
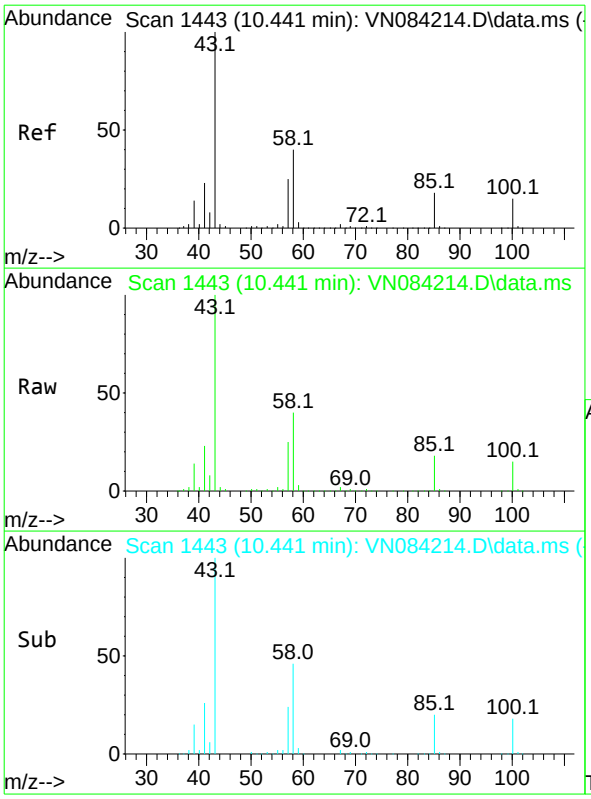


#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 98 Resp: 377886

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

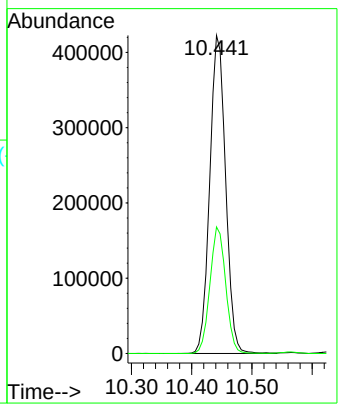




#51
4-Methyl-2-Pentanone
Concen: 271.750 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 772927

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4



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VSTDICCC050

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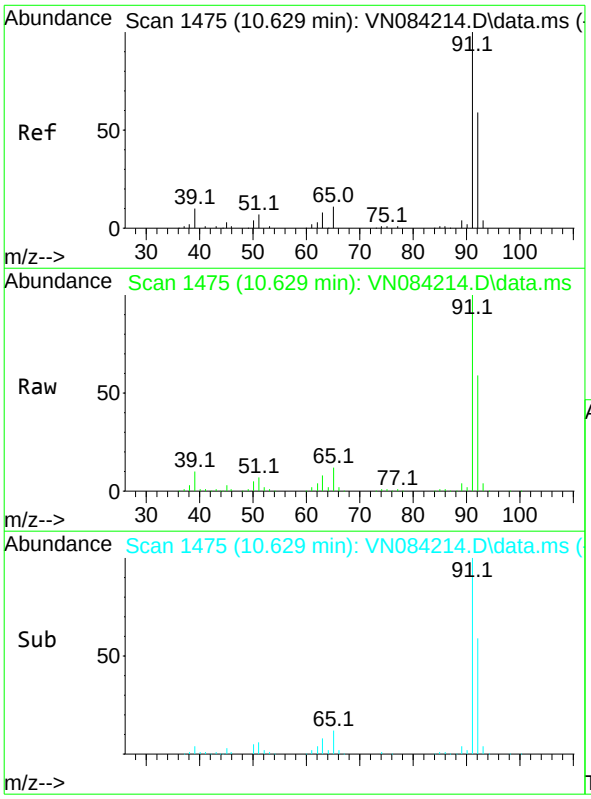
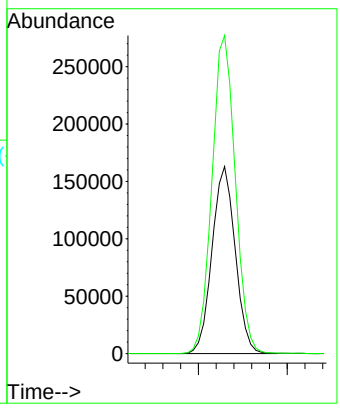
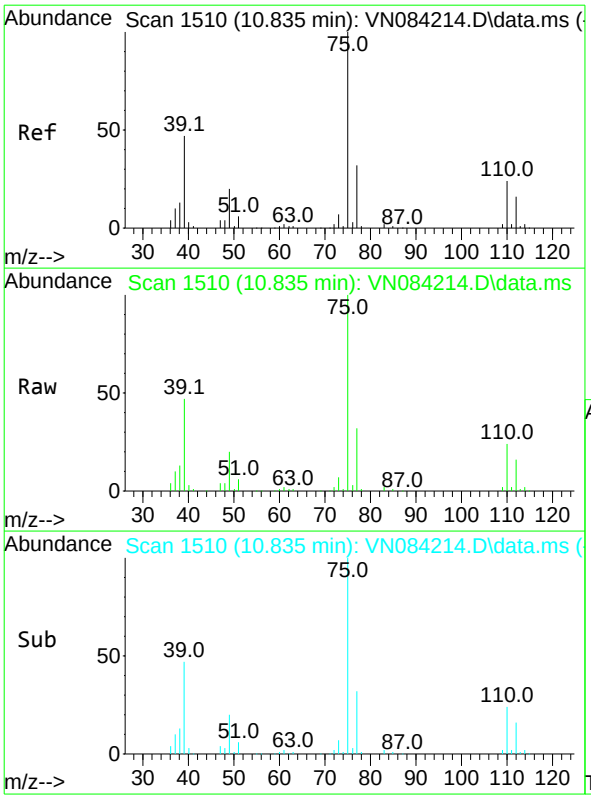


#52
Toluene
Concen: 53.332 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 92 Resp: 295099

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9

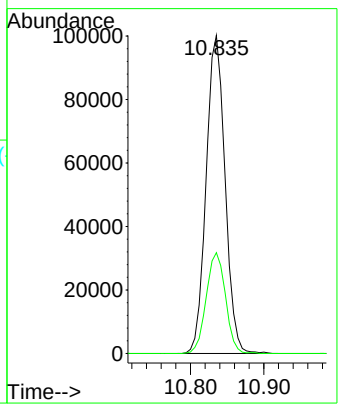




#53
t-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 179453

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
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ClientSampleId :
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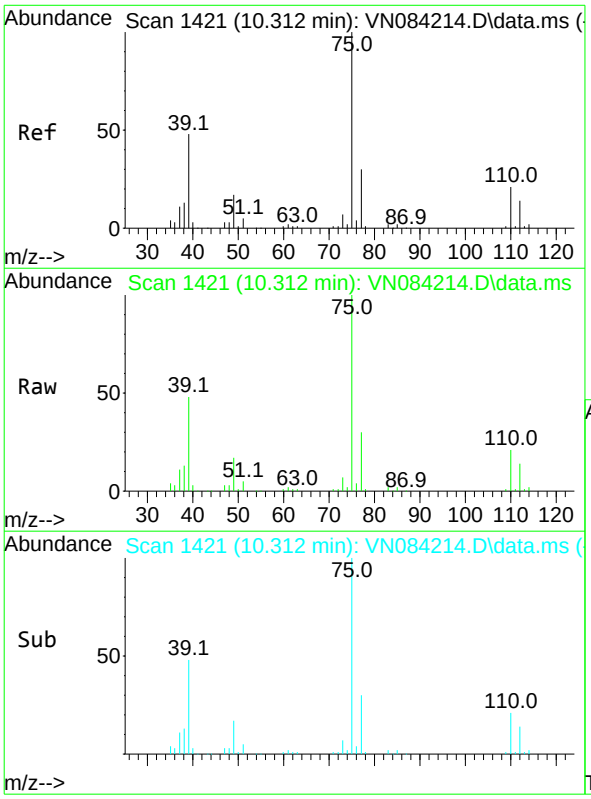
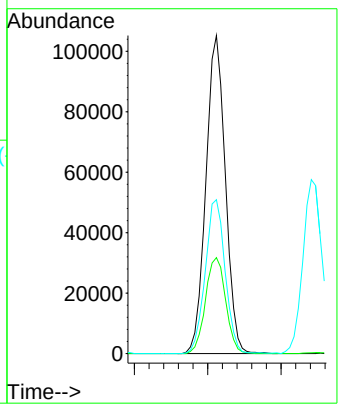
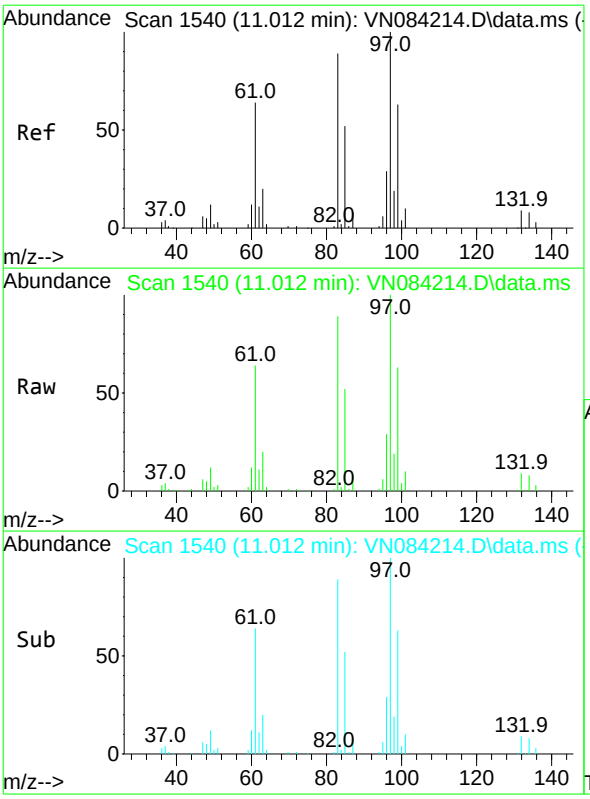


#54
cis-1,3-Dichloropropene
Concen: 54.966 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 193952

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2
39	48.4	38.7	58.1

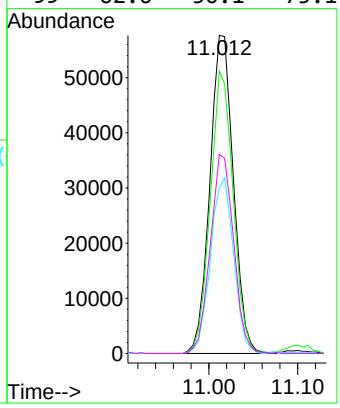




#55
1,1,2-Trichloroethane
Concen: 53.583 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 97 Resp: 106288

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	52.1	41.7	62.5
99	62.6	50.1	75.1



Instrument :
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ClientSampleId :
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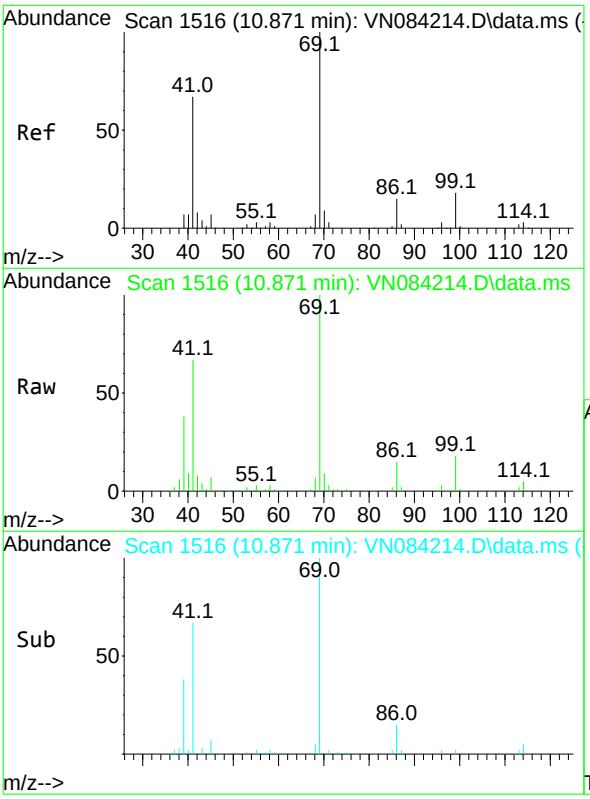
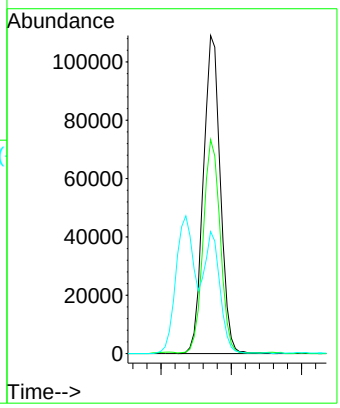
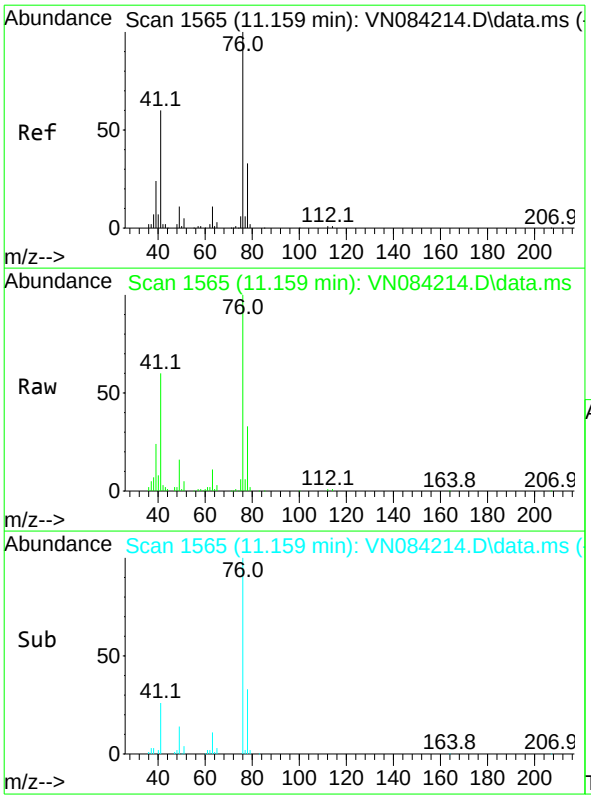


#56
Ethyl methacrylate
Concen: 56.085 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 69 Resp: 183059

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	36.0	28.8	43.2

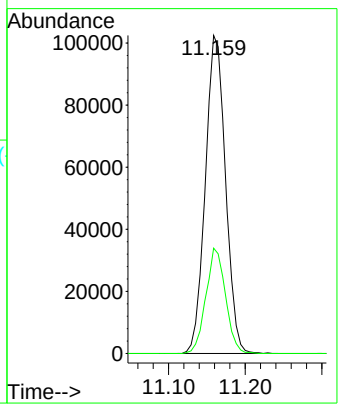




#57
1,3-Dichloropropane
Concen: 52.864 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 76 Resp: 187372

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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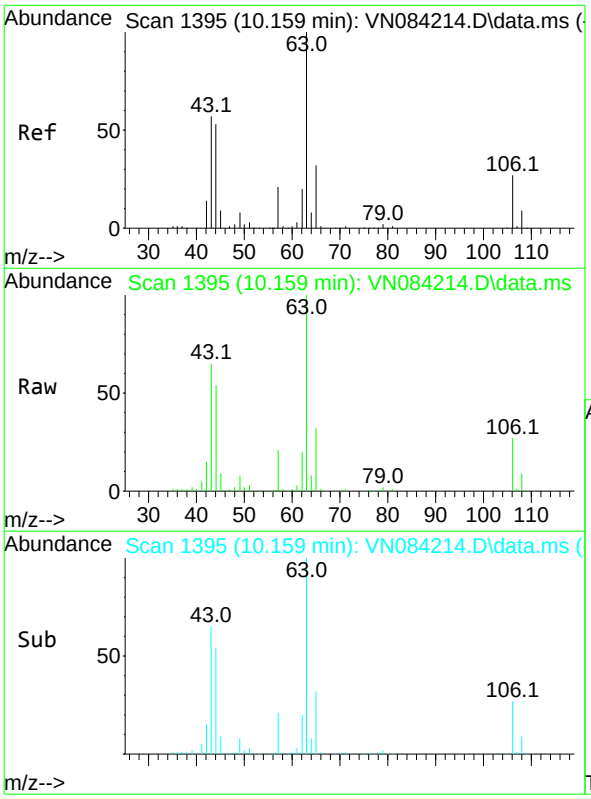
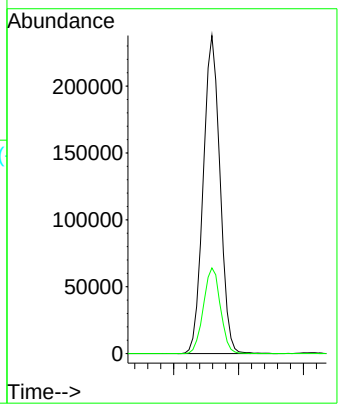
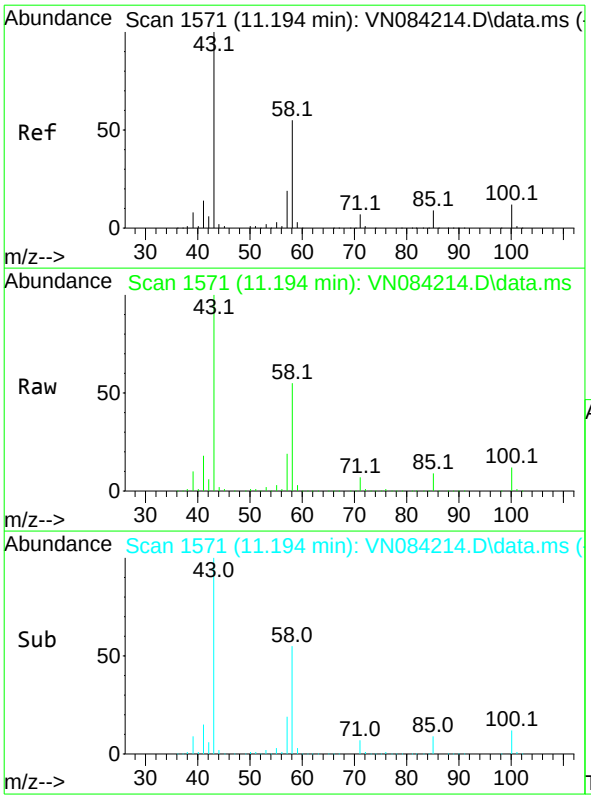


#58
2-Chloroethyl Vinyl ether
Concen: 281.593 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 426364

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6

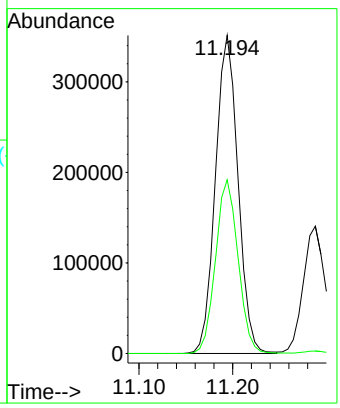




#59
2-Hexanone
Concen: 276.767 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 588361

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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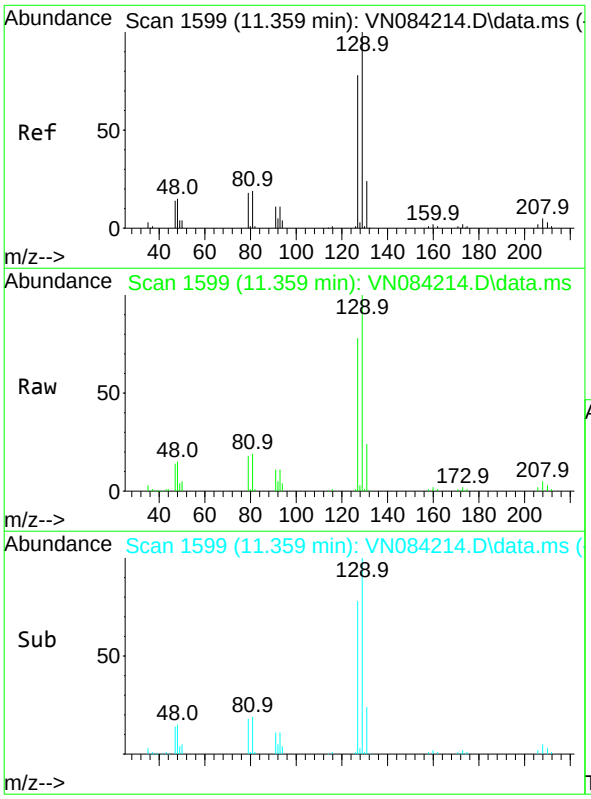
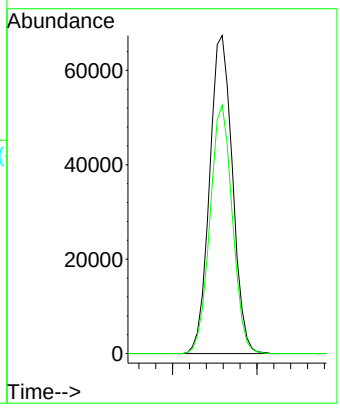
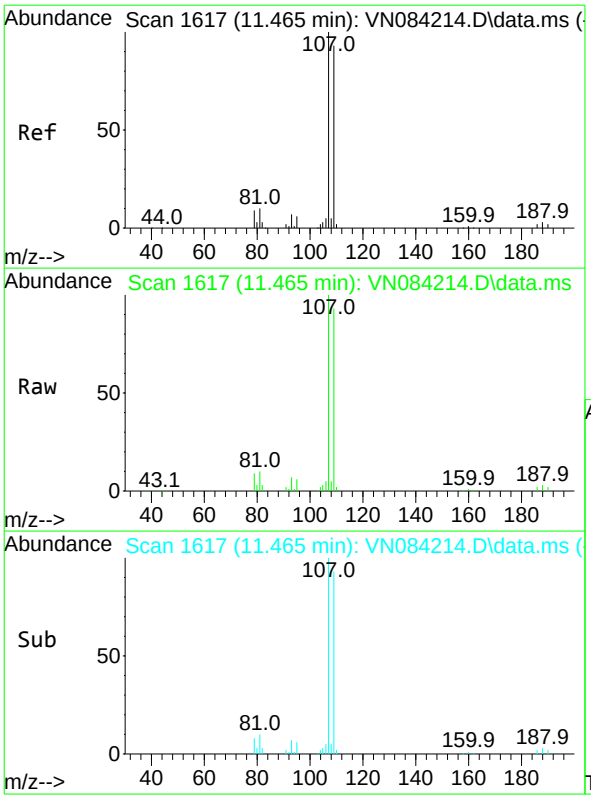


#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:129 Resp: 126992

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

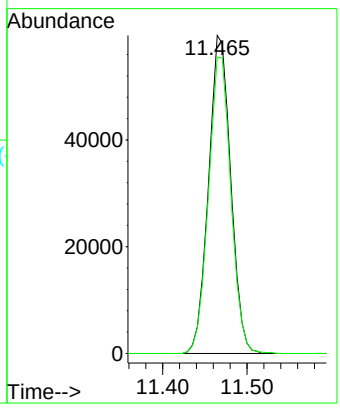




#61
1,2-Dibromoethane
Concen: 52.794 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:107 Resp: 108817

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
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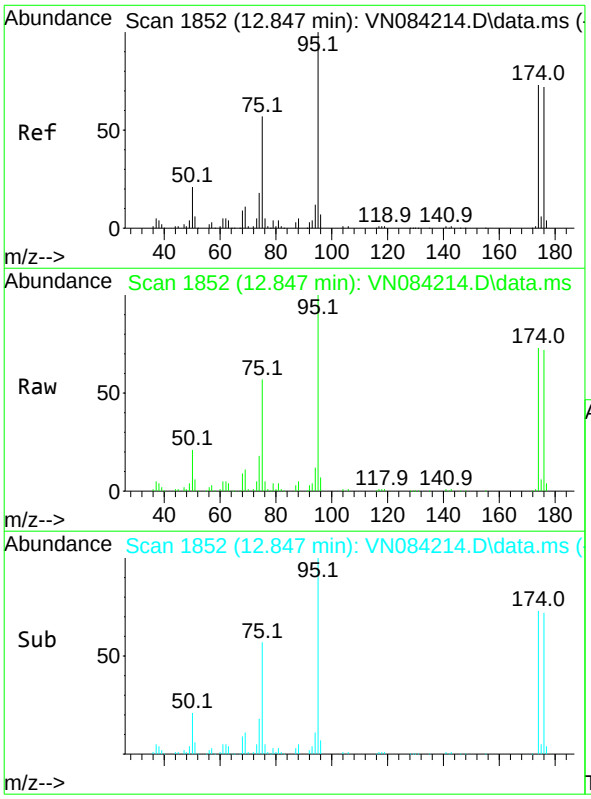
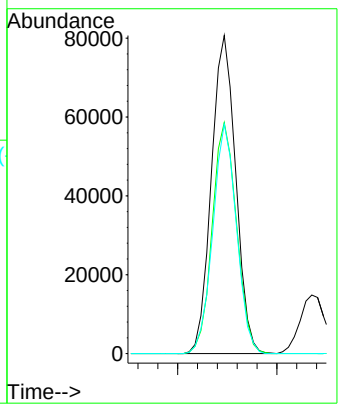
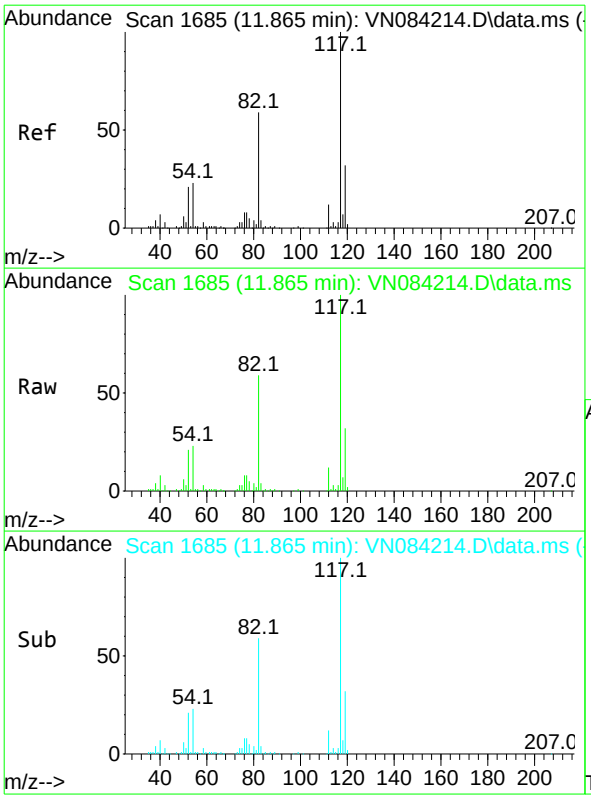


#62
4-Bromofluorobenzene
Concen: 51.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 95 Resp: 137388

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	70.0	0.0	140.0

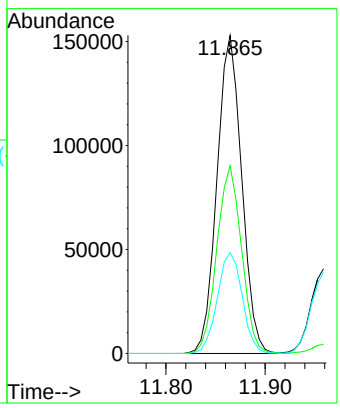




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 264820

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.7	25.4	38.0



Instrument :
MSVOA_N
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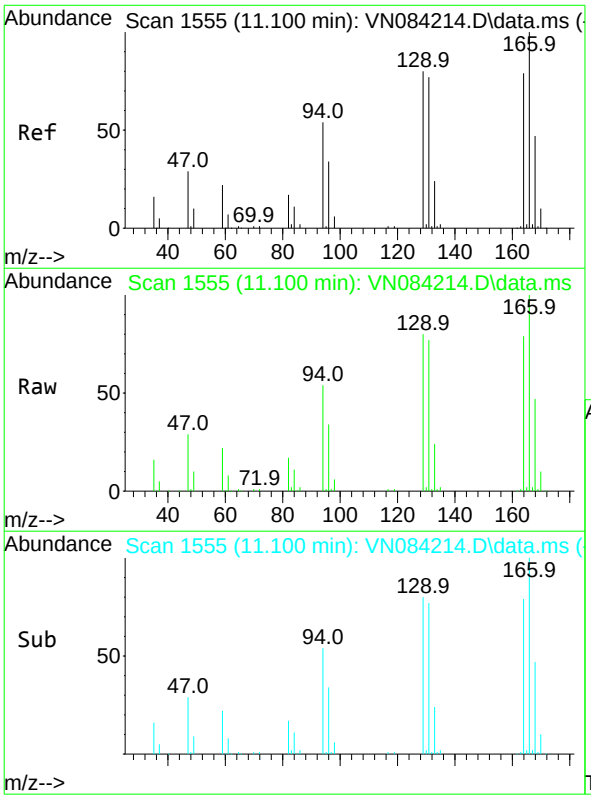
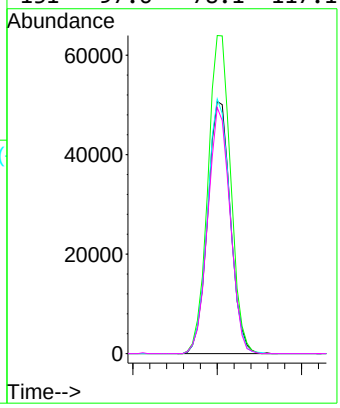
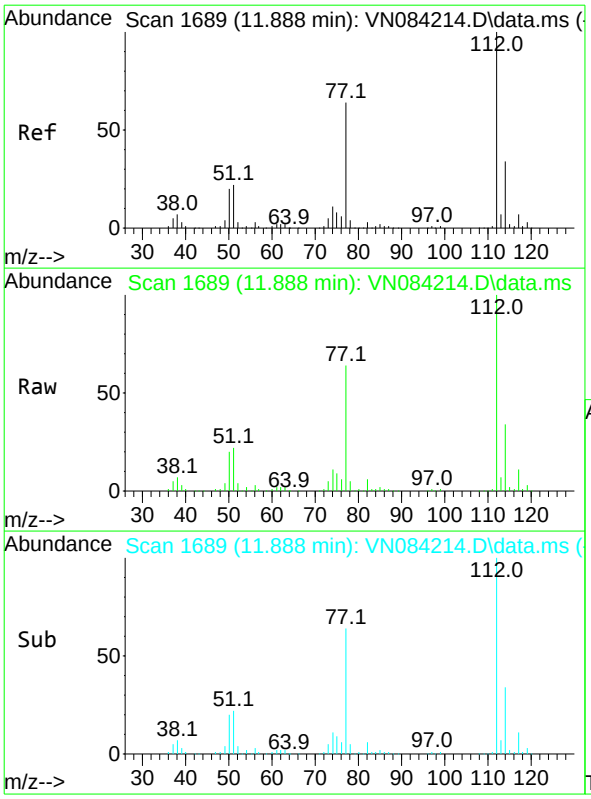


#64
Tetrachloroethene
Concen: 51.486 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:164 Resp: 94966

Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.0	151.4
129	101.0	80.8	121.2
131	97.6	78.1	117.1

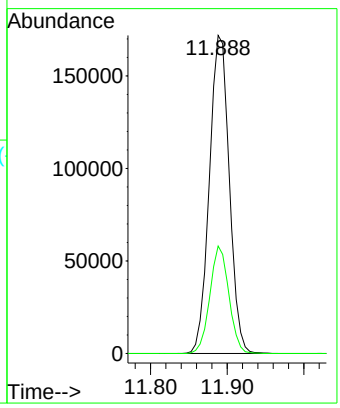




#65
Chlorobenzene
Concen: 52.770 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:112 Resp: 309849

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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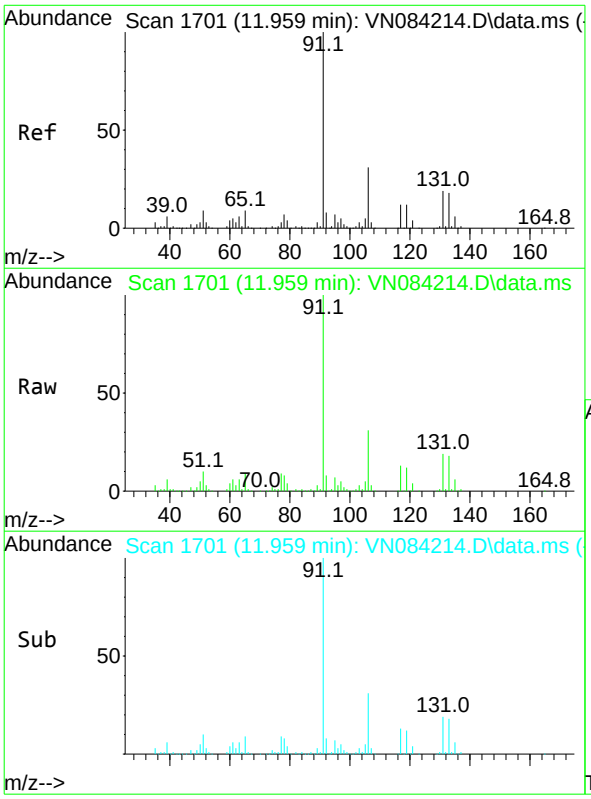
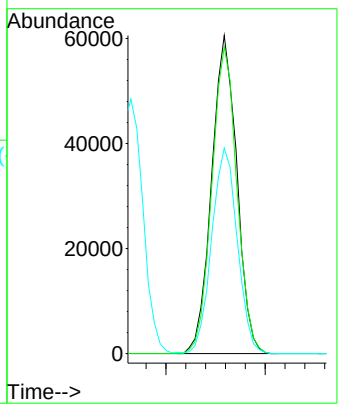
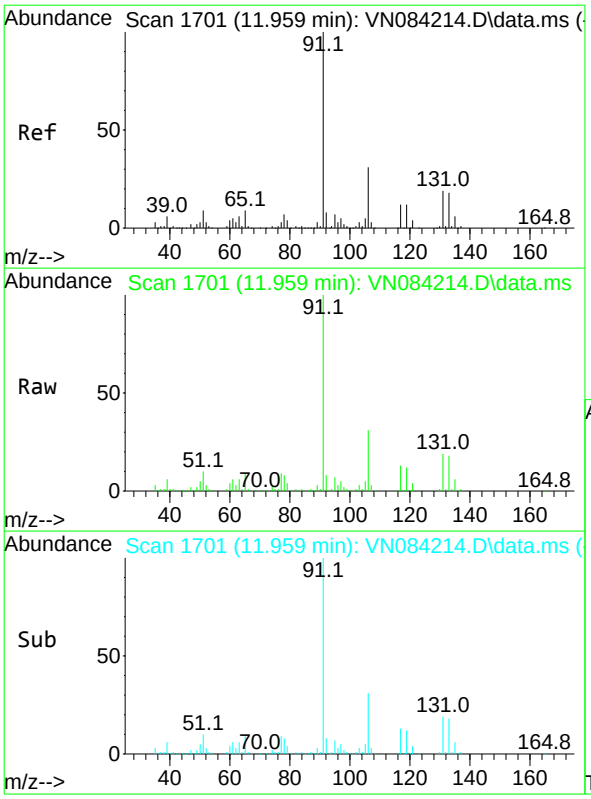


#66
1,1,1,2-Tetrachloroethane
Concen: 52.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:131 Resp: 106981

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.7
119	65.5	32.8	98.3

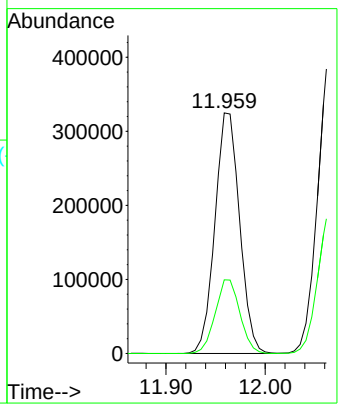




#67
Ethyl Benzene
Concen: 54.100 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 561770

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 10/01/2024
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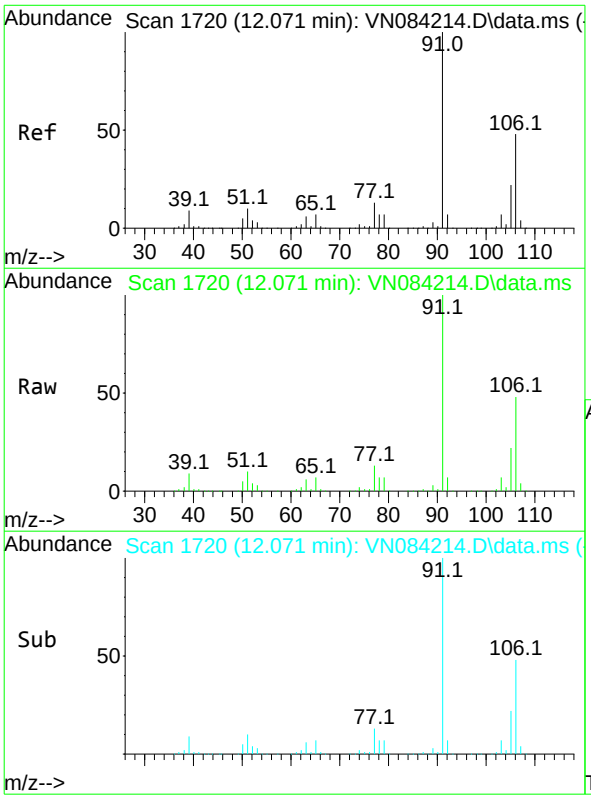
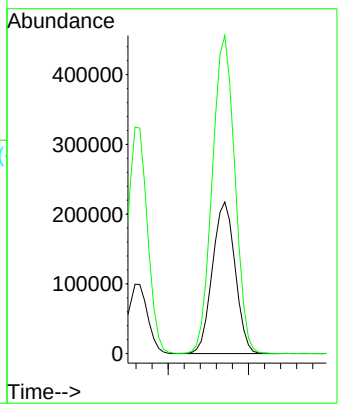
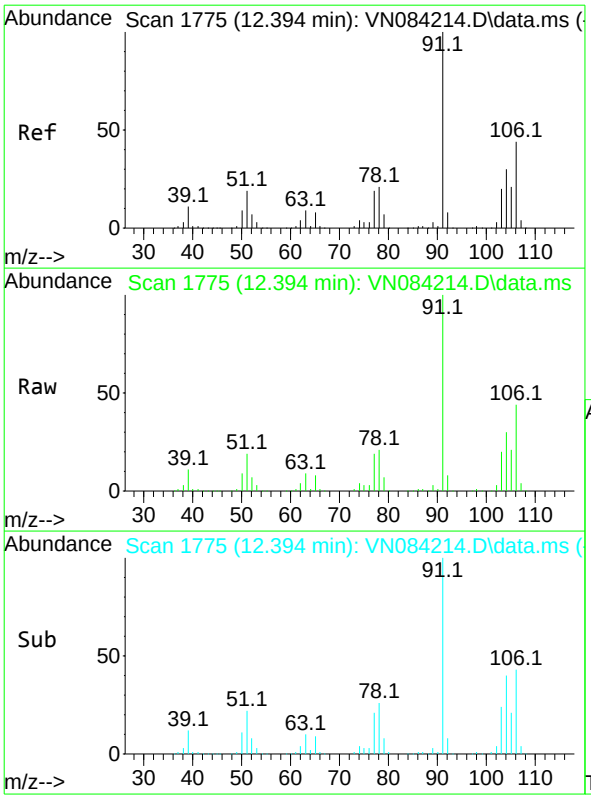


#68
m/p-Xylenes
Concen: 111.201 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 427131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7

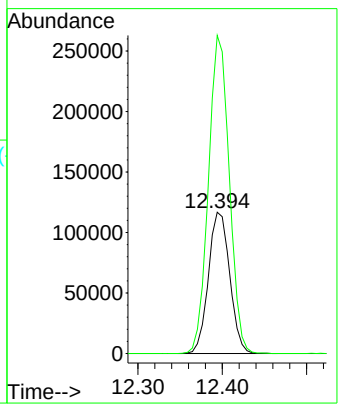




#69
o-Xylene
Concen: 56.370 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 204854

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6



Instrument :
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ClientSampleId :
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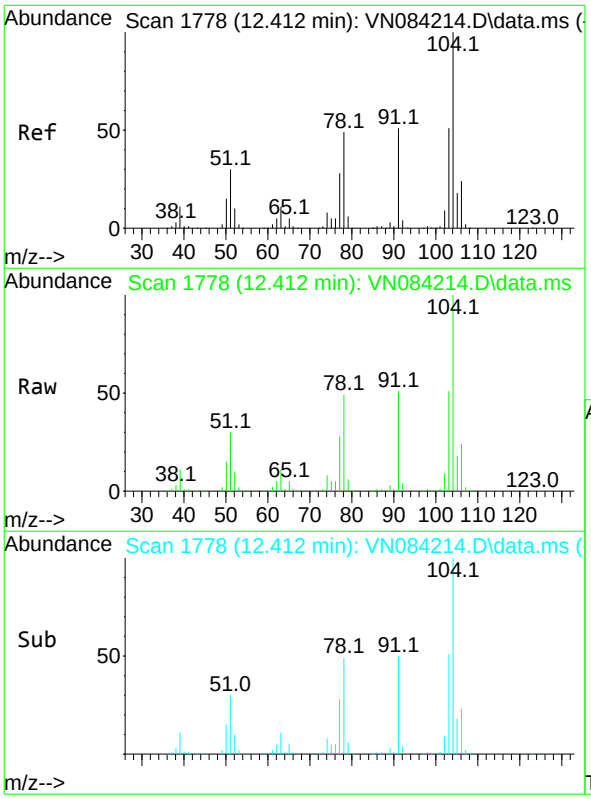
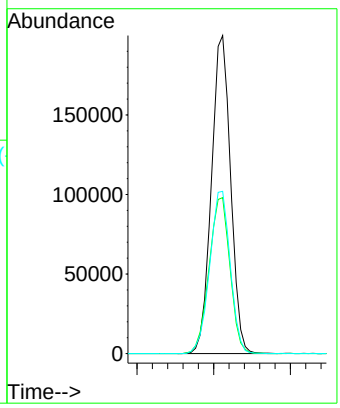
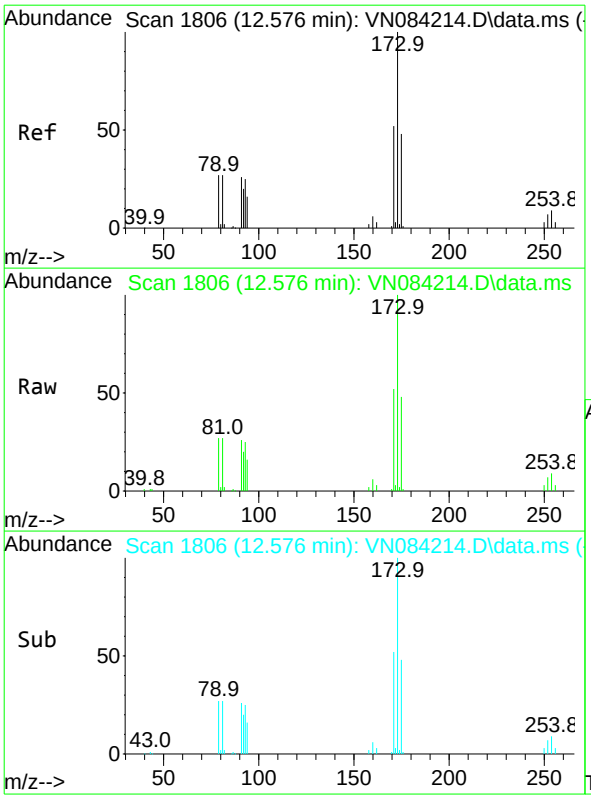


#70
Styrene
Concen: 56.434 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:104 Resp: 347383

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.7	64.1
103	54.5	43.6	65.4

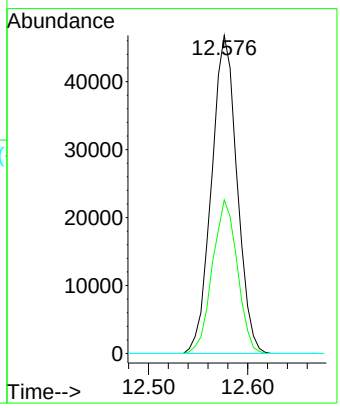




#71
Bromoform
Concen: 56.070 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:173 Resp: 83487

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0



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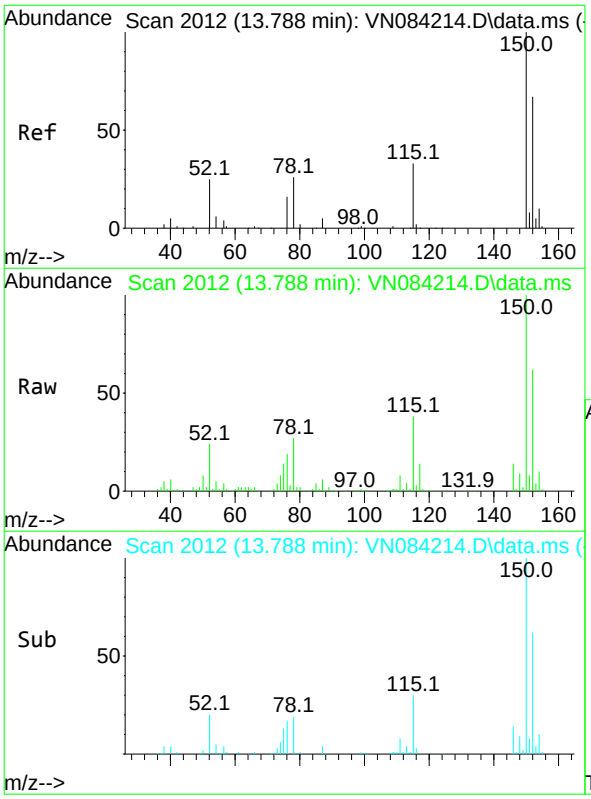
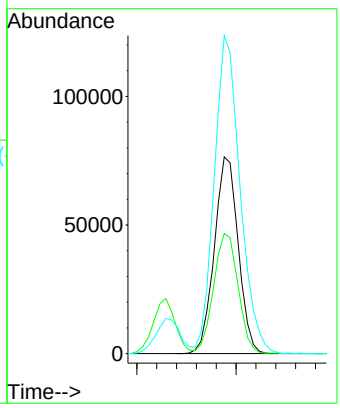
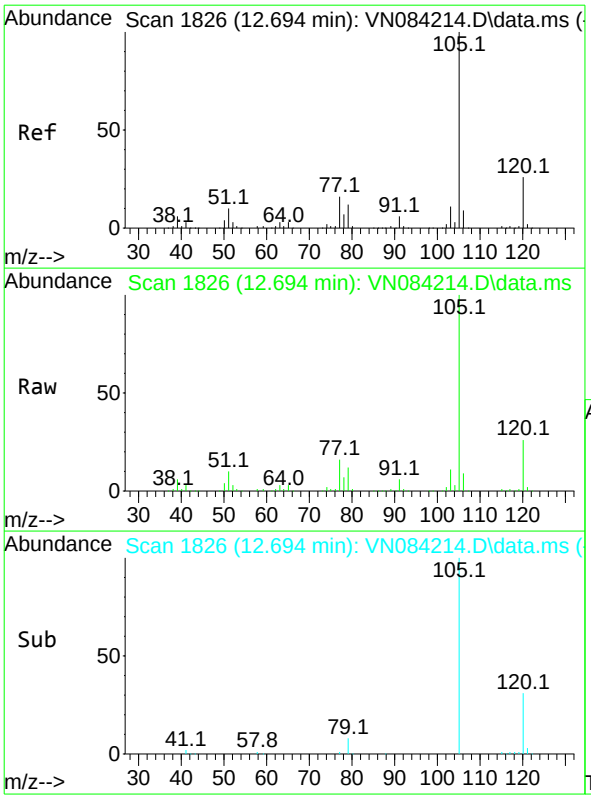


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:152 Resp: 127701

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	174.9	0.0	349.8

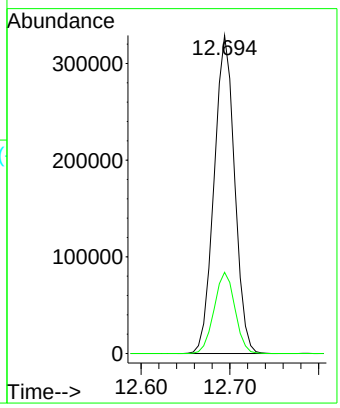




#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 527625

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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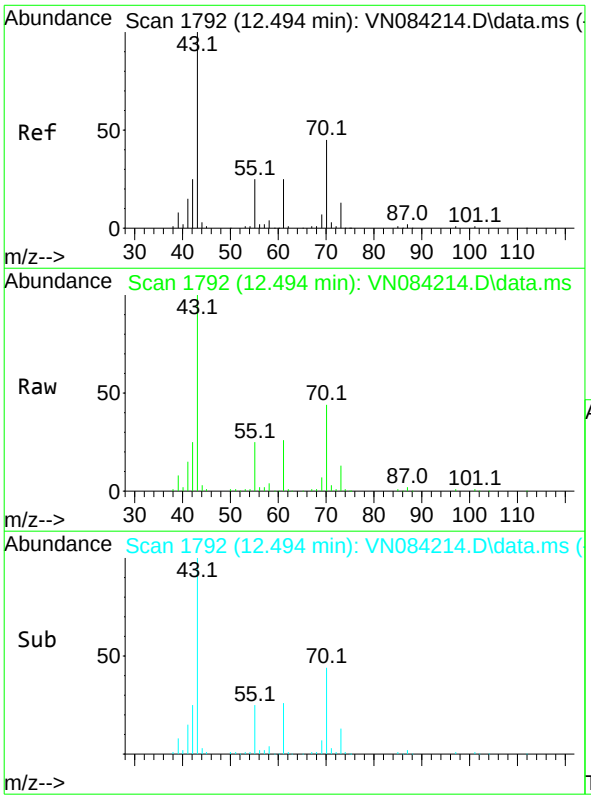
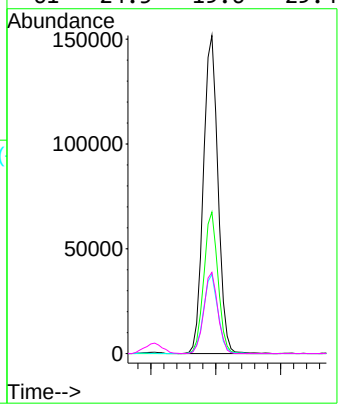
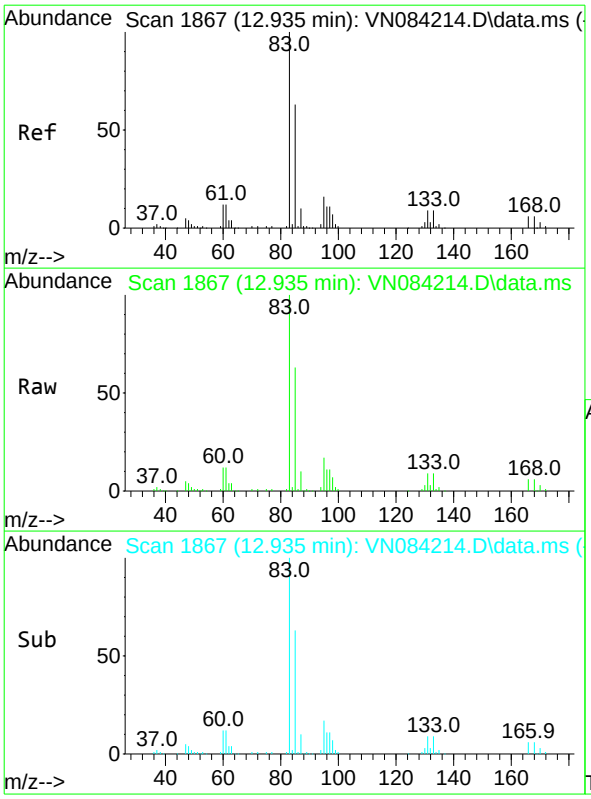


#74
N-amyl acetate
Concen: 53.738 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 237131

Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.4	51.6
55	24.5	19.6	29.4
61	24.5	19.6	29.4

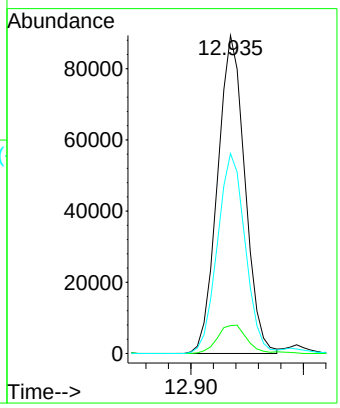




#75
1,1,2,2-Tetrachloroethane
Concen: 51.560 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 151079

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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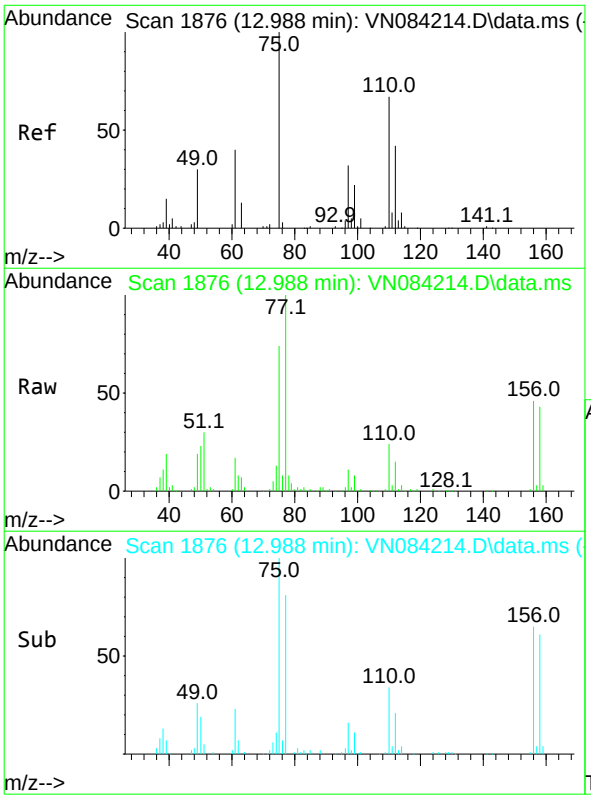
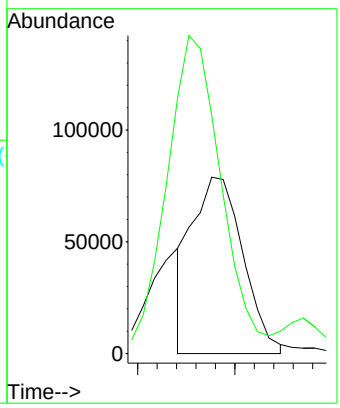
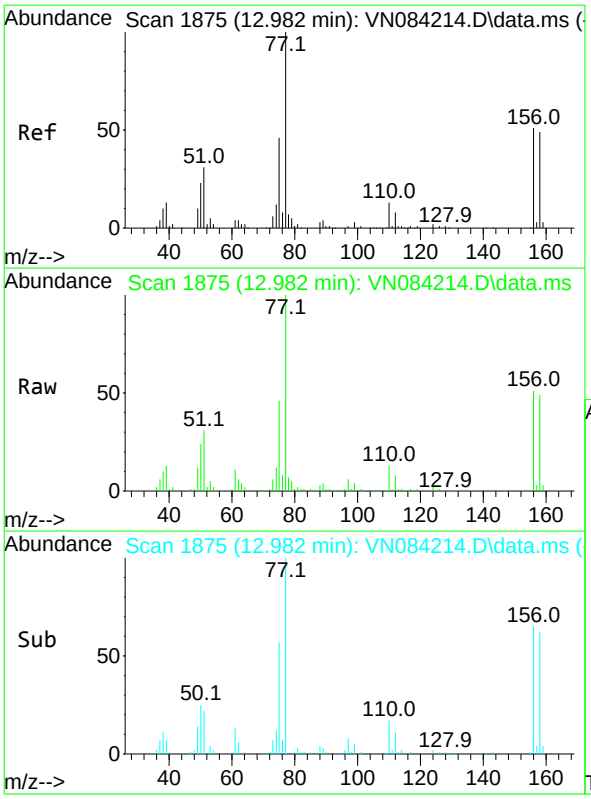


#76
1,2,3-Trichloropropane
Concen: 56.449 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 143676

Ion	Ratio	Lower	Upper
75	100		
77	193.8	96.9	290.7

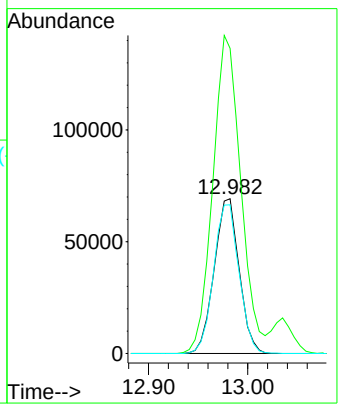




#77
Bromobenzene
Concen: 51.442 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:156 Resp: 120918

Ion	Ratio	Lower	Upper
156	100		
77	230.2	115.1	345.3
158	97.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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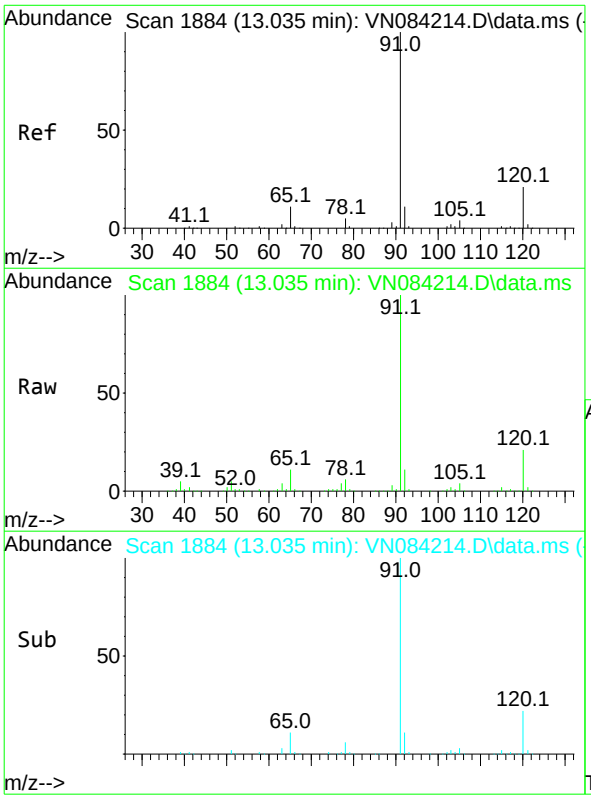
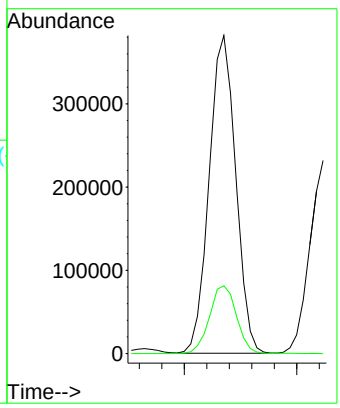
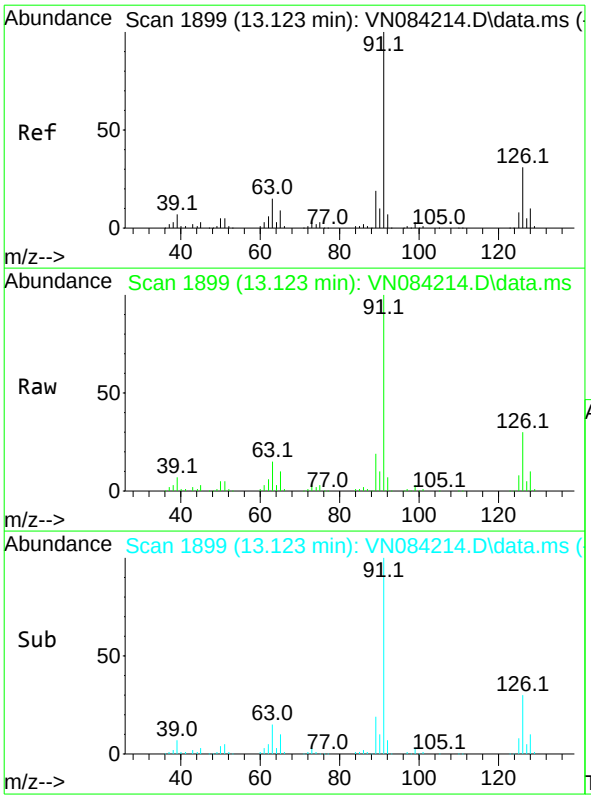


#78
n-propylbenzene
Concen: 55.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 626503

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4

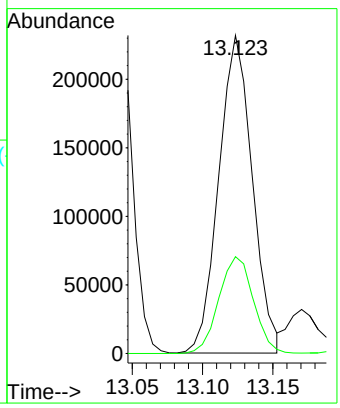




#79
2-Chlorotoluene
Concen: 53.411 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 384795

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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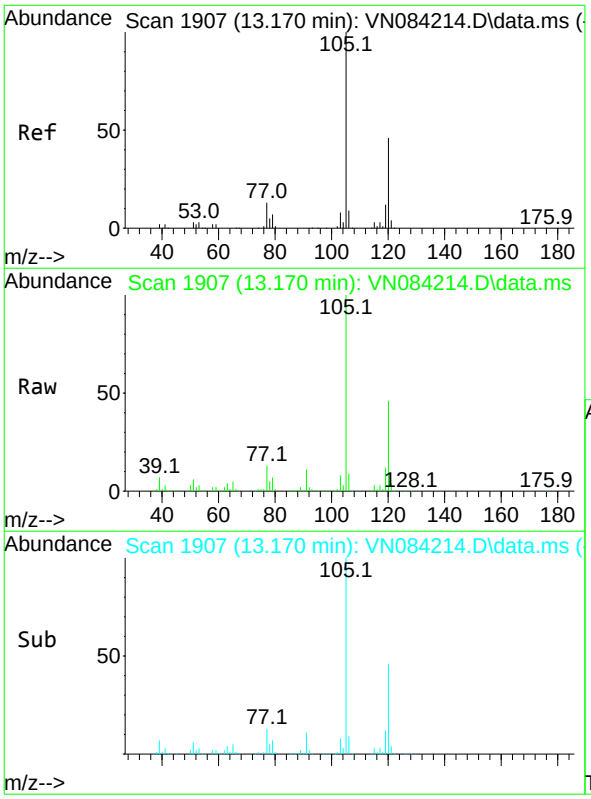
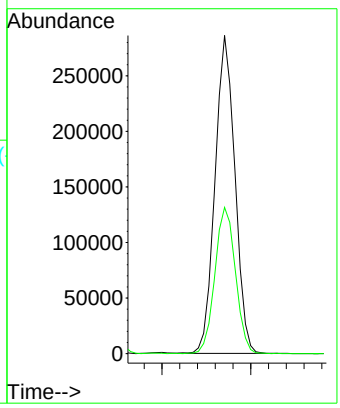
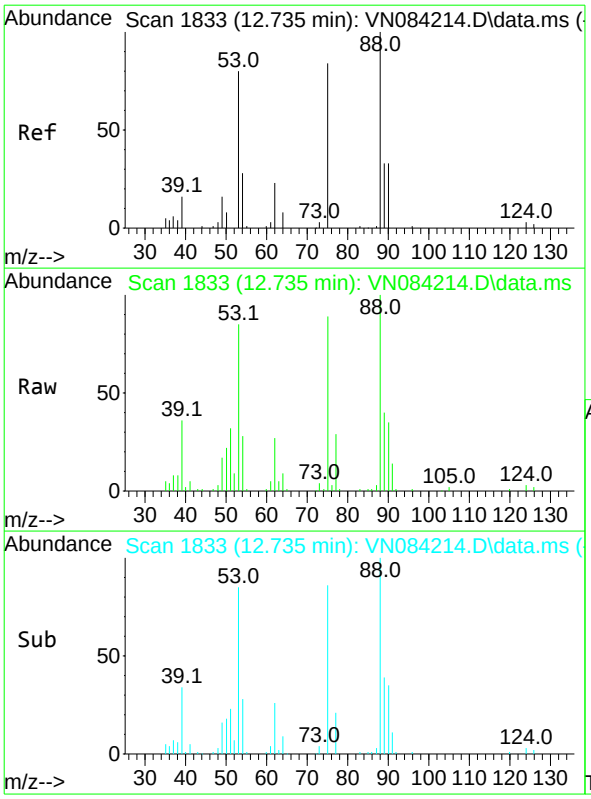


#80
1,3,5-Trimethylbenzene
Concen: 56.084 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 445807

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

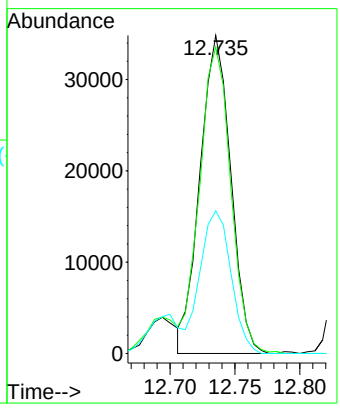




#81
trans-1,4-Dichloro-2-butene
Concen: 52.943 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 57572

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	44.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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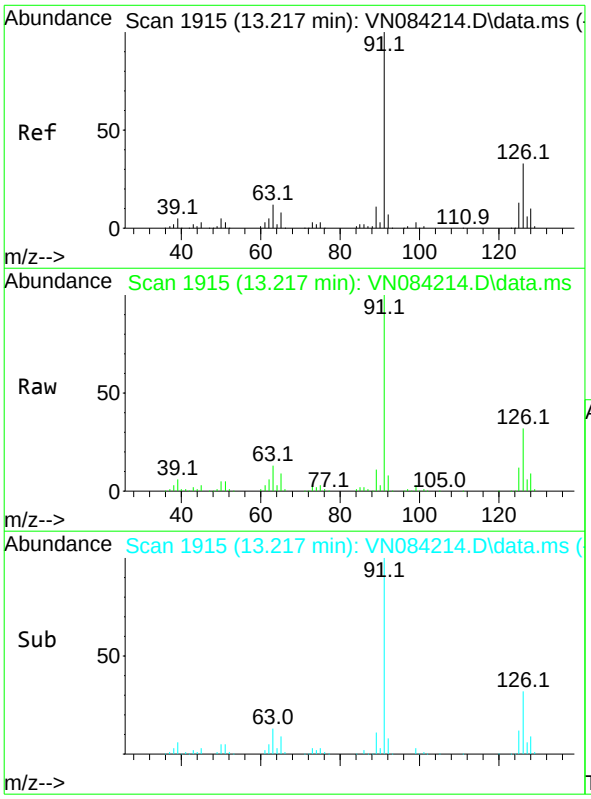
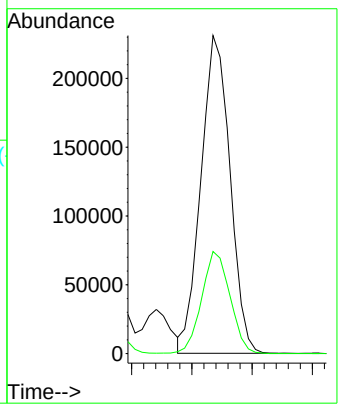
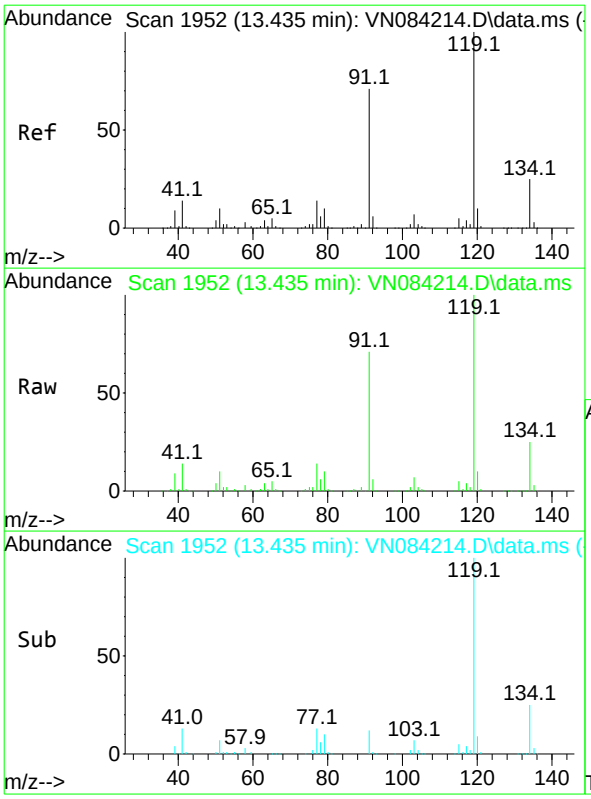


#82
4-Chlorotoluene
Concen: 53.341 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 386854

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

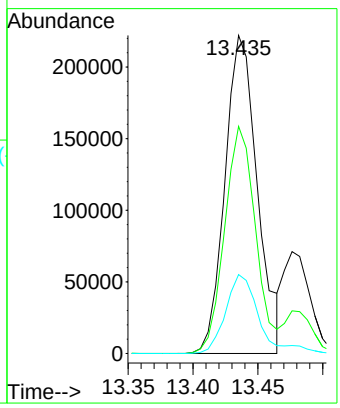




#83
tert-Butylbenzene
Concen: 54.711 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:119 Resp: 386532

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
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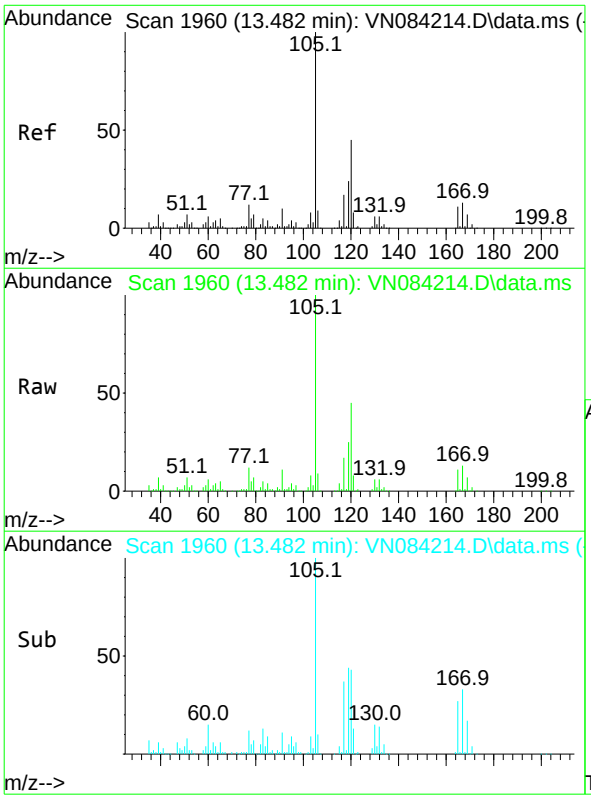
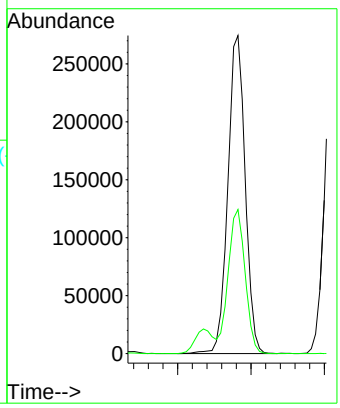
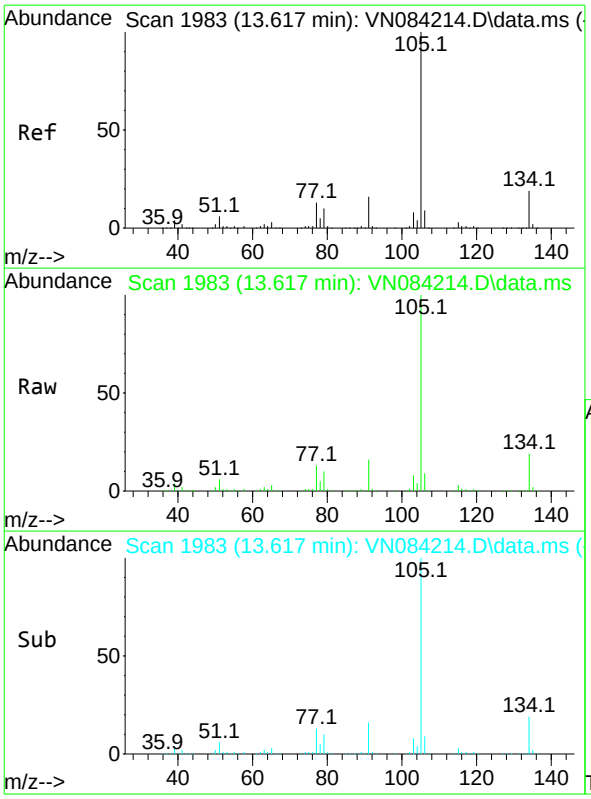


#84
1,2,4-Trimethylbenzene
Concen: 56.161 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 449720

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8

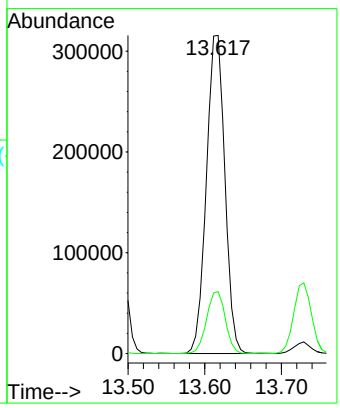




#85
sec-Butylbenzene
Concen: 56.119 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 529076

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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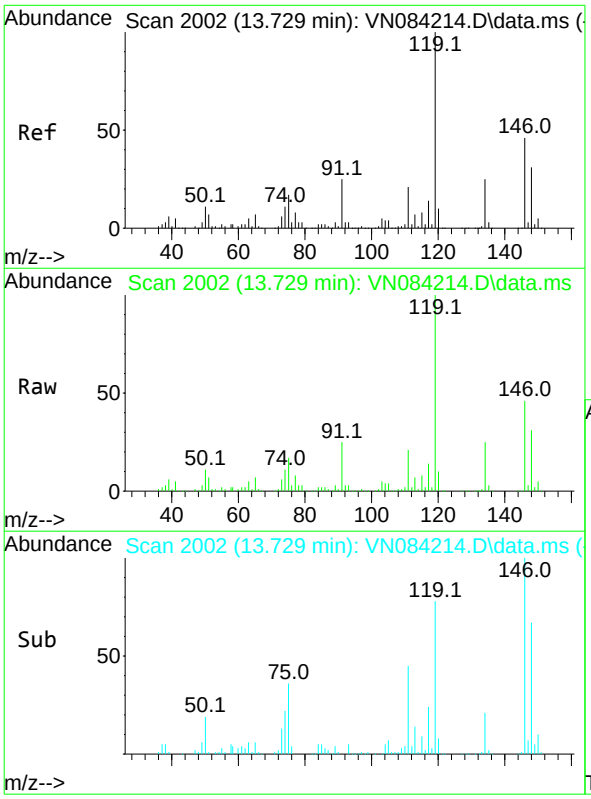
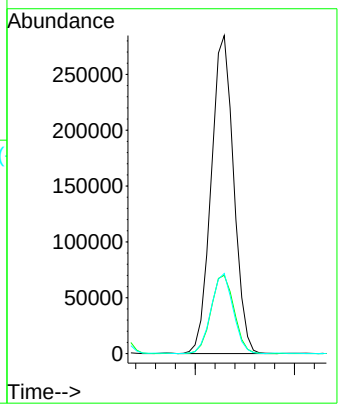
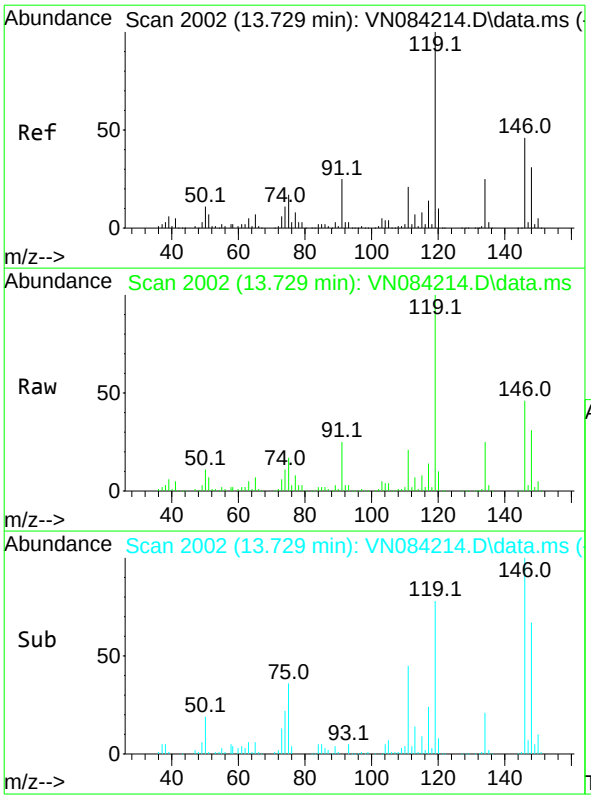


#86
p-Isopropyltoluene
Concen: 57.485 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:119 Resp: 448148

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	24.8	12.4	37.2

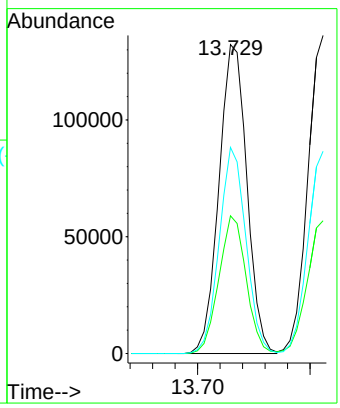




#87
1,3-Dichlorobenzene
Concen: 51.755 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 228219

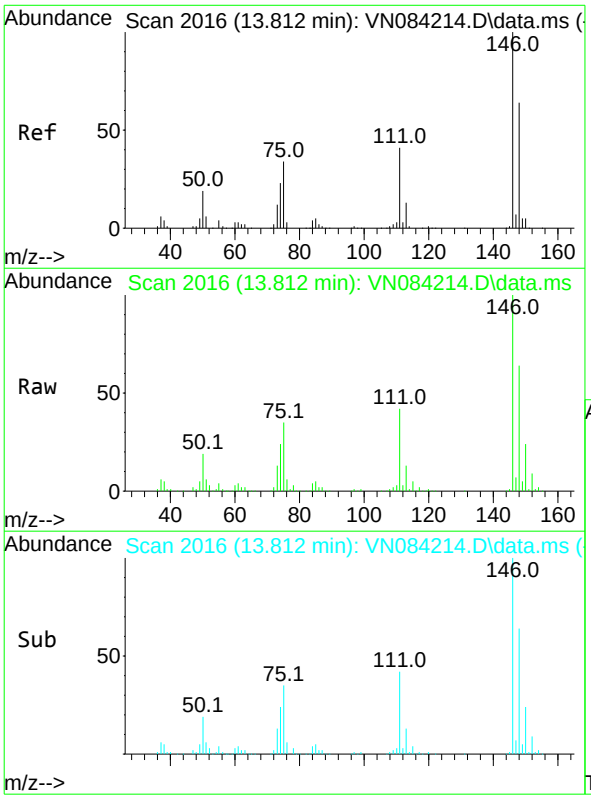
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

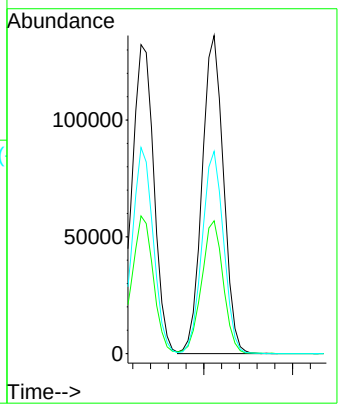
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

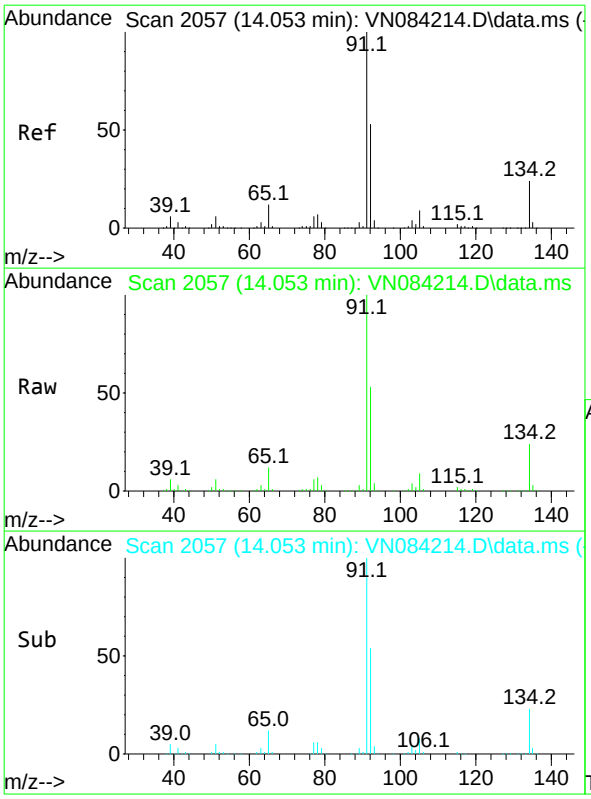


#88
1,4-Dichlorobenzene
Concen: 51.163 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 227835

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.9	31.9	95.9

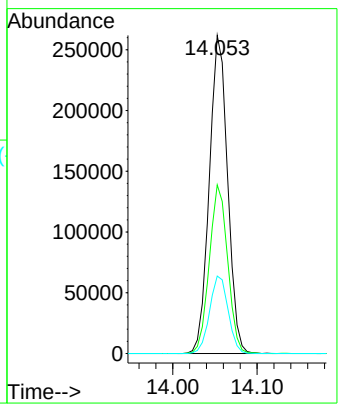




#89
n-Butylbenzene
Concen: 55.854 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 394831

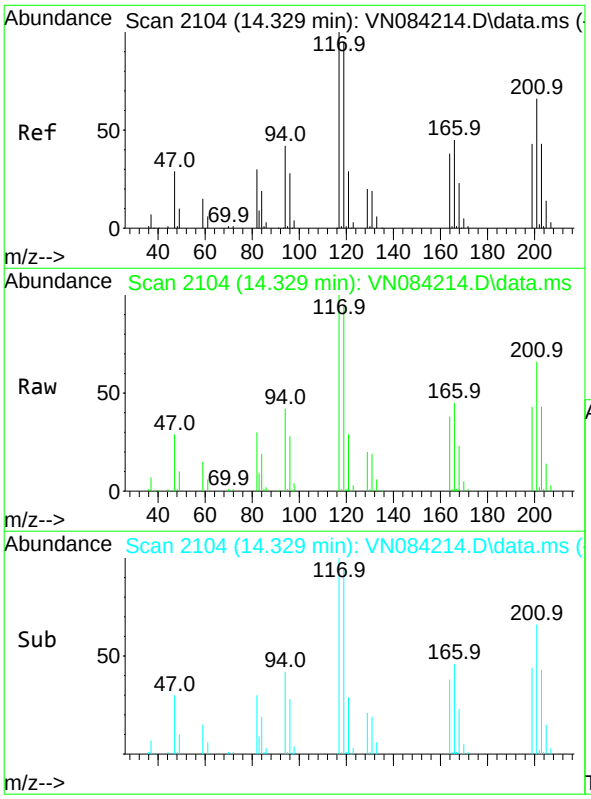
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.6	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

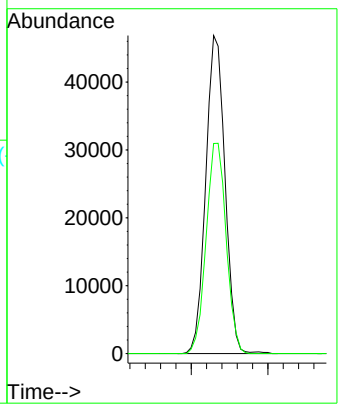
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

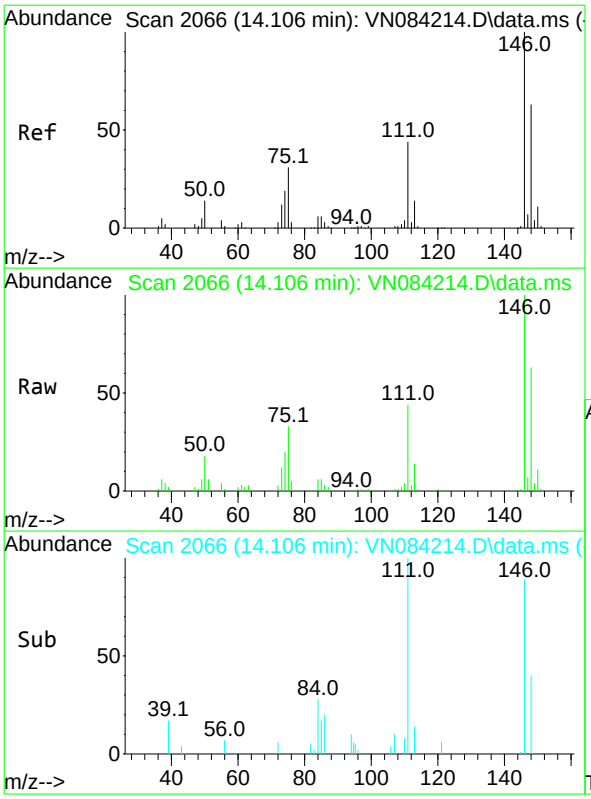


#90
Hexachloroethane
Concen: 51.582 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 81626

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2

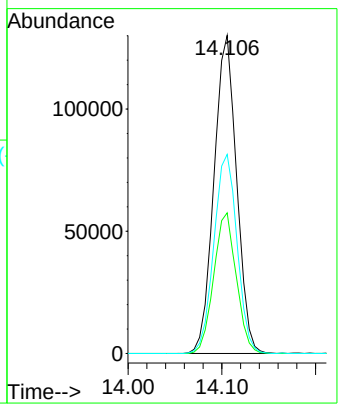




#91
1,2-Dichlorobenzene
Concen: 50.506 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 218378

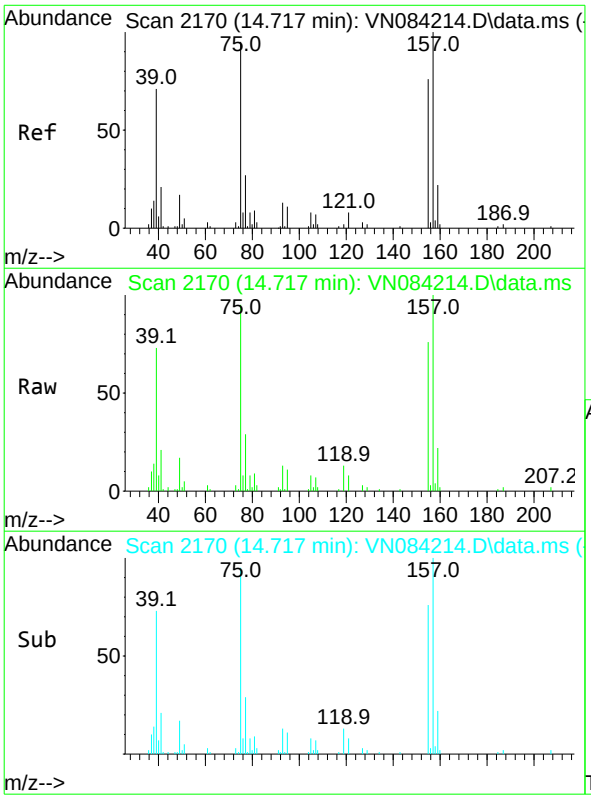
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

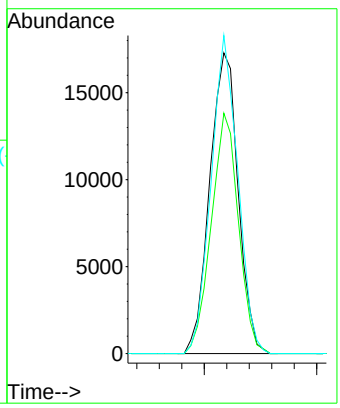
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

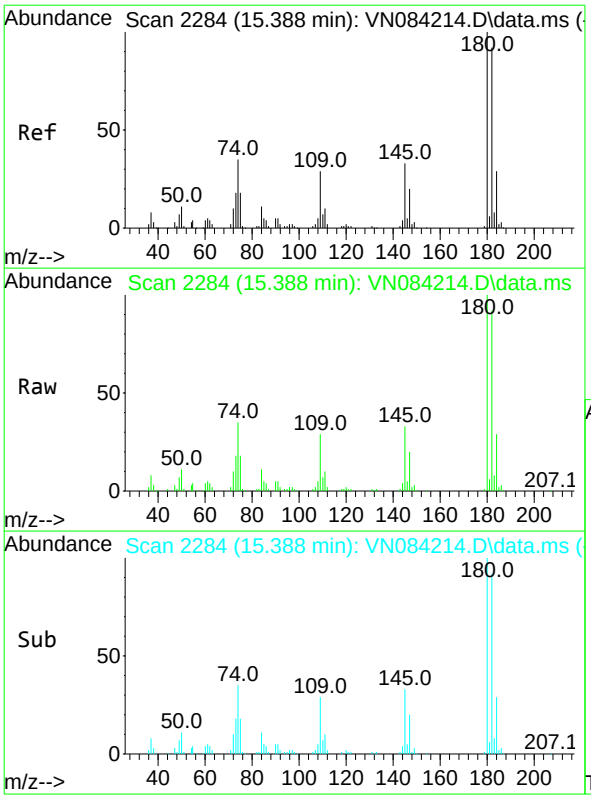


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 30379

Ion	Ratio	Lower	Upper
75	100		
155	76.3	38.1	114.5
157	99.3	49.6	149.0

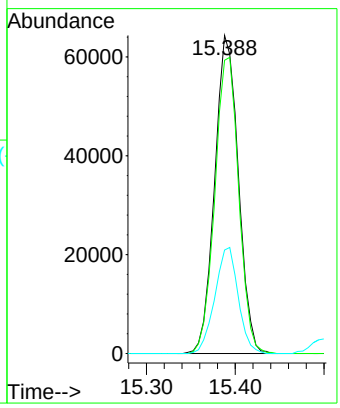




#93
1,2,4-Trichlorobenzene
Concen: 55.953 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:180 Resp: 119164

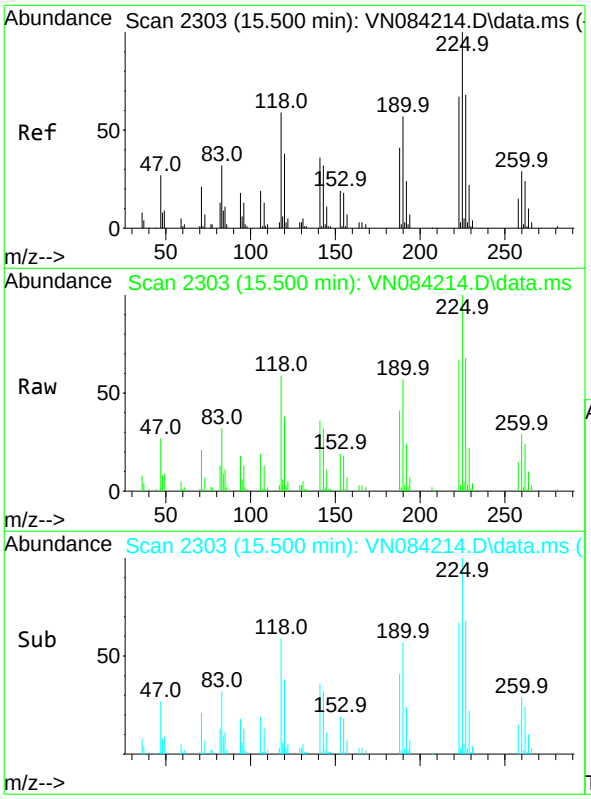
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

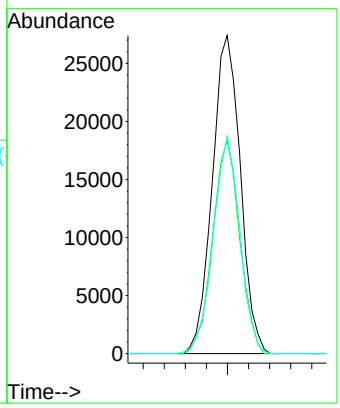
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

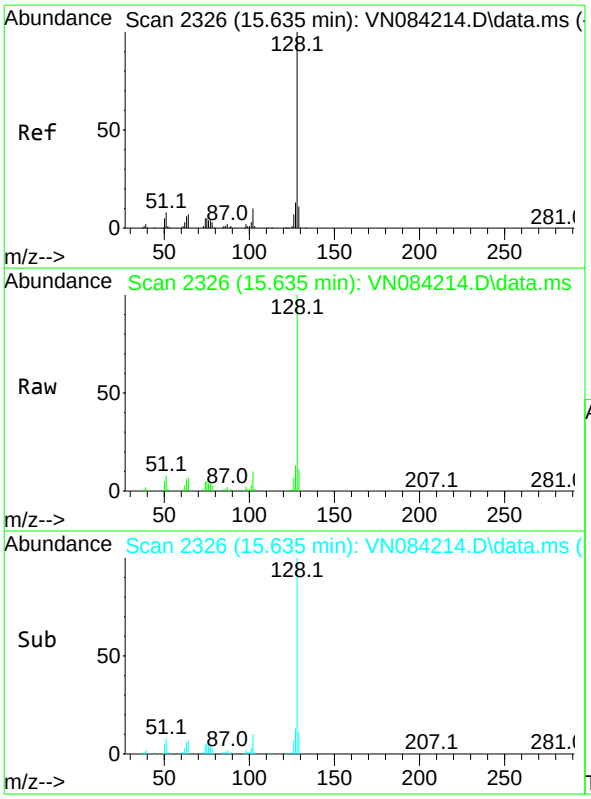


#94
Hexachlorobutadiene
Concen: 47.718 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:225 Resp: 50680

Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.4	97.2
227	64.7	32.4	97.0

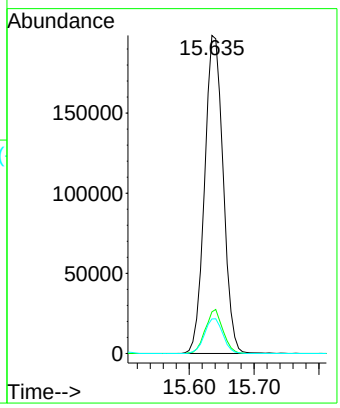




#95
Naphthalene
Concen: 55.688 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:128 Resp: 393177

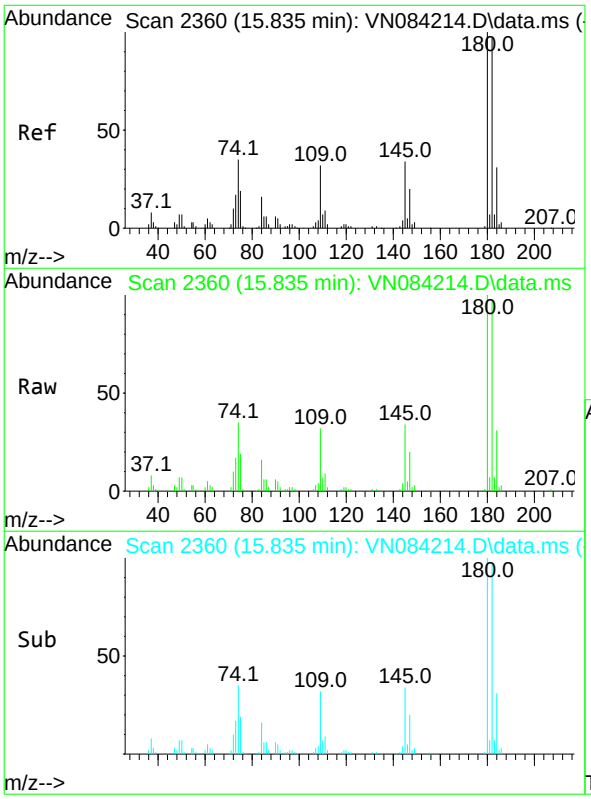
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

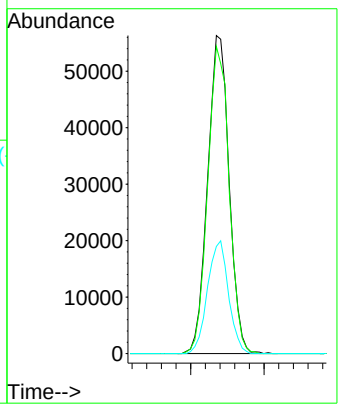
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 53.701 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:180 Resp: 114483

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.2	144.6
145	34.6	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	178087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	54409	20.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	41.220%#		
35) Dibromofluoromethane	8.171	113	41903	20.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.360%#		
50) Toluene-d8	10.565	98	152668	20.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.960%#		
62) 4-Bromofluorobenzene	12.847	95	55201	20.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42709	20.275	ug/l	94
3) Chloromethane	2.359	50	48218	20.047	ug/l	99
4) Vinyl Chloride	2.518	62	47375	20.334	ug/l	96
5) Bromomethane	2.942	94	30751	20.010	ug/l	97
6) Chloroethane	3.118	64	30650	18.369	ug/l	96
7) Trichlorofluoromethane	3.495	101	74579	20.557	ug/l	95
8) Diethyl Ether	3.959	74	29090	21.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	42958	20.665	ug/l	99
10) Methyl Iodide	4.589	142	54769	20.458	ug/l	97
11) Tert butyl alcohol	5.518	59	45501	104.506	ug/l	98
12) 1,1-Dichloroethene	4.336	96	42450	21.171	ug/l	95
13) Acrolein	4.183	56	48261	96.553	ug/l	98
14) Allyl chloride	5.024	41	77338	22.208	ug/l	92
15) Acrylonitrile	5.718	53	115451	105.004	ug/l	99
16) Acetone	4.430	43	119948	105.747	ug/l	98
17) Carbon Disulfide	4.706	76	124366	19.590	ug/l	99
18) Methyl Acetate	5.030	43	49436	19.996	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	144972	21.421	ug/l	100
20) Methylene Chloride	5.271	84	47091	20.423	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	44064	20.976	ug/l	92
22) Diisopropyl ether	6.671	45	154575	21.460	ug/l	98
23) Vinyl Acetate	6.600	43	589404	109.739	ug/l	99
24) 1,1-Dichloroethane	6.565	63	82821	20.561	ug/l	98
25) 2-Butanone	7.482	43	165762	107.295	ug/l	100
26) 2,2-Dichloropropane	7.494	77	76824	21.152	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	52758	20.783	ug/l	99
28) Bromochloromethane	7.812	49	34591	19.246	ug/l	99
29) Tetrahydrofuran	7.835	42	100146	105.041	ug/l	99
30) Chloroform	7.965	83	85848	20.517	ug/l	99
31) Cyclohexane	8.253	56	77216	19.743	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	77552	20.637	ug/l	97
36) 1,1-Dichloropropene	8.371	75	61556	20.918	ug/l	99
37) Ethyl Acetate	7.559	43	61023	20.213	ug/l	99
38) Carbon Tetrachloride	8.359	117	67913	21.039	ug/l	95
39) Methylcyclohexane	9.600	83	70956	21.665	ug/l	99
40) Benzene	8.606	78	191581	20.896	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	34943	21.320 ug/l	99
42) 1,2-Dichloroethane	8.671	62	64453	20.736 ug/l	99
43) Isopropyl Acetate	8.688	43	114278	19.334 ug/l	99
44) Trichloroethene	9.347	130	44412	20.740 ug/l	98
45) 1,2-Dichloropropane	9.618	63	46651	21.509 ug/l	100
46) Dibromomethane	9.706	93	31672	21.639 ug/l	97
47) Bromodichloromethane	9.888	83	68343	21.017 ug/l	96
48) Methyl methacrylate	9.682	41	50498	21.453 ug/l	98
49) 1,4-Dioxane	9.700	88	18411	424.848 ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	313636	109.132 ug/l	99
52) Toluene	10.629	92	118412	21.179 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	70403	21.240 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	74778	20.973 ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	42631	21.270 ug/l	98
56) Ethyl methacrylate	10.871	69	72159	21.880 ug/l	99
57) 1,3-Dichloropropane	11.159	76	75915	21.197 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	142843	93.367 ug/l	99
59) 2-Hexanone	11.194	43	237694	110.658 ug/l	100
60) Dibromochloromethane	11.359	129	50326	21.251 ug/l	97
61) 1,2-Dibromoethane	11.470	107	44554	21.393 ug/l	98
64) Tetrachloroethene	11.100	164	38055	20.179 ug/l	97
65) Chlorobenzene	11.888	112	123787	20.620 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44285	21.417 ug/l	96
67) Ethyl Benzene	11.959	91	219635	20.688 ug/l	98
68) m/p-Xylenes	12.070	106	168826	42.989 ug/l	98
69) o-Xylene	12.394	106	79896	21.503 ug/l	98
70) Styrene	12.412	104	134066	21.302 ug/l	98
71) Bromoform	12.576	173	32824	21.561 ug/l #	99
73) Isopropylbenzene	12.694	105	207217	21.254 ug/l	99
74) N-amyl acetate	12.494	43	93392	21.154 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	60656	20.690 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	51246m	20.124 ug/l	
77) Bromobenzene	12.976	156	48803	20.752 ug/l	98
78) n-propylbenzene	13.035	91	241164	21.350 ug/l	98
79) 2-Chlorotoluene	13.123	91	147738	20.497 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	171600	21.577 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	22222	20.426 ug/l	92
82) 4-Chlorotoluene	13.217	91	151387	20.864 ug/l	100
83) tert-Butylbenzene	13.435	119	147727	20.899 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	176283	22.004 ug/l	99
85) sec-Butylbenzene	13.611	105	205477	21.784 ug/l	99
86) p-Isopropyltoluene	13.729	119	171766	22.022 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	90970	20.620 ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	88628	19.893 ug/l	96
89) n-Butylbenzene	14.053	91	151334	21.398 ug/l	100
90) Hexachloroethane	14.335	117	32554	20.562 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	88942	20.560 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12914	21.347 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	47149	22.128 ug/l	99
94) Hexachlorobutadiene	15.500	225	22742	21.402 ug/l	97
95) Naphthalene	15.641	128	149988	21.233 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	46153	21.639 ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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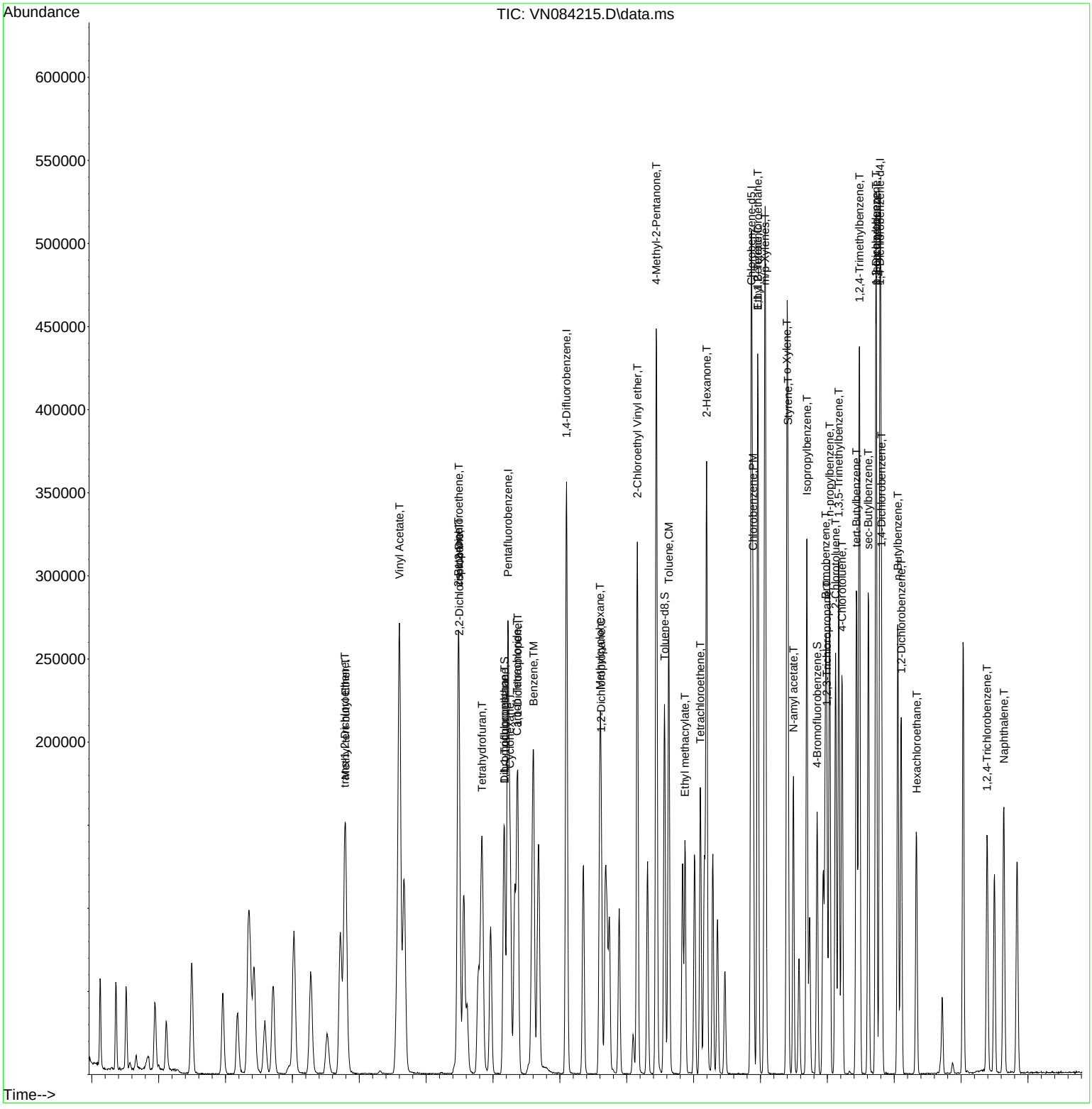
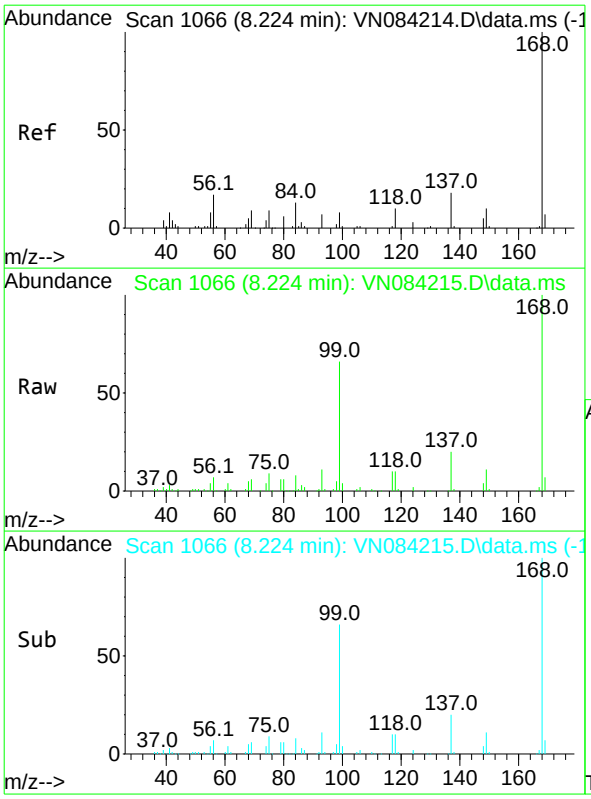
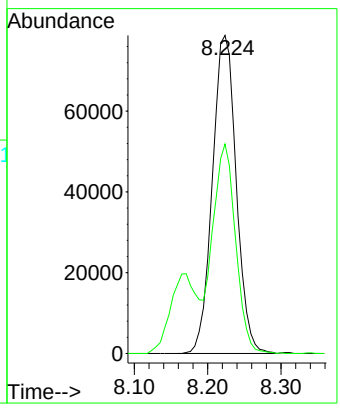




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:168 Resp: 178087

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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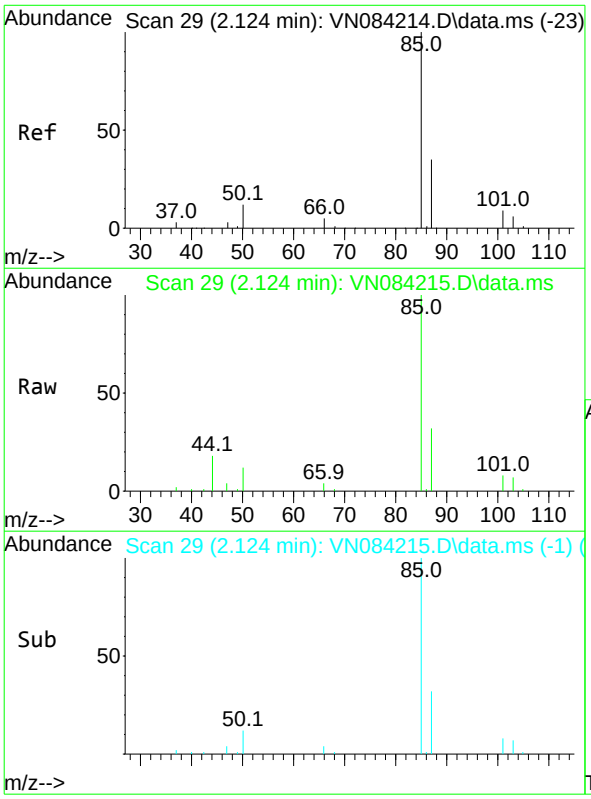
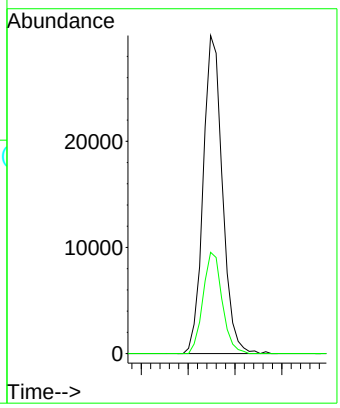
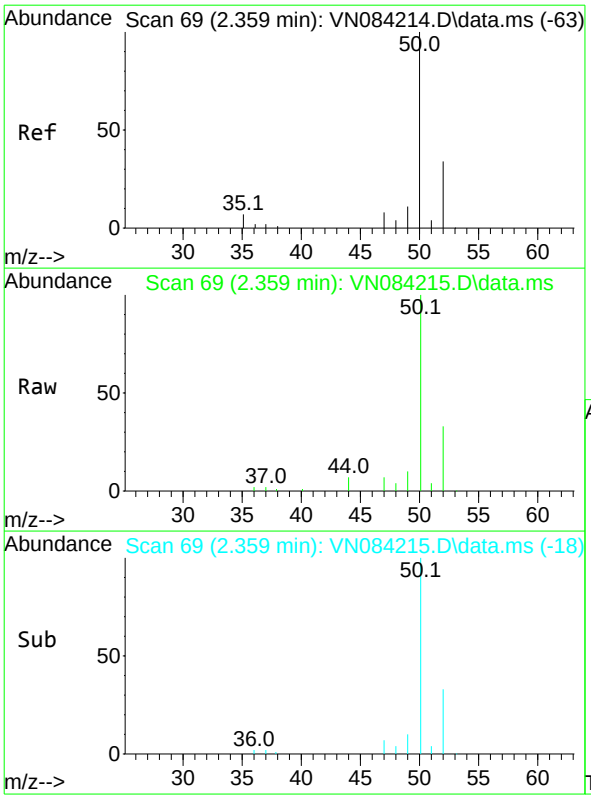


#2
Dichlorodifluoromethane
Concen: 20.275 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 85 Resp: 42709

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

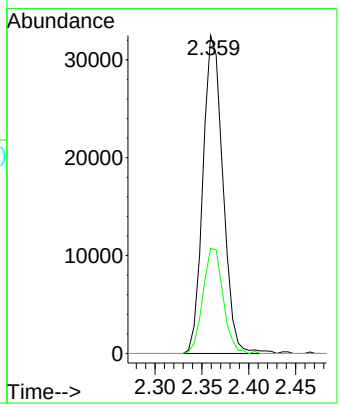




#3
Chloromethane
Concen: 20.047 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 50 Resp: 48218

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
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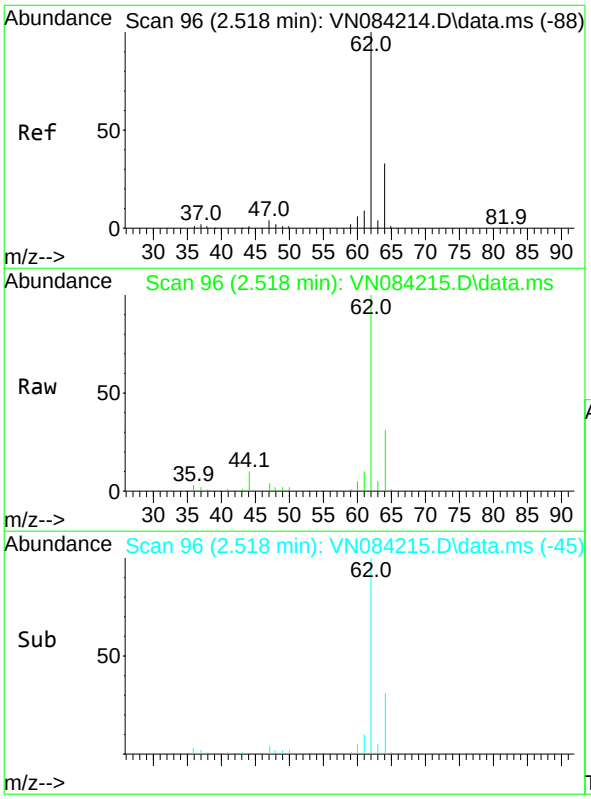
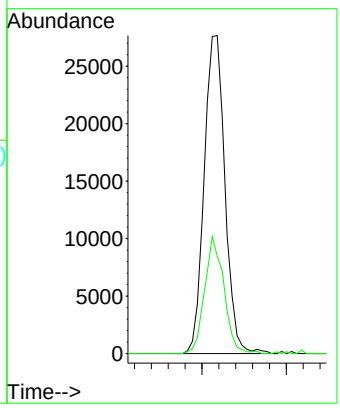
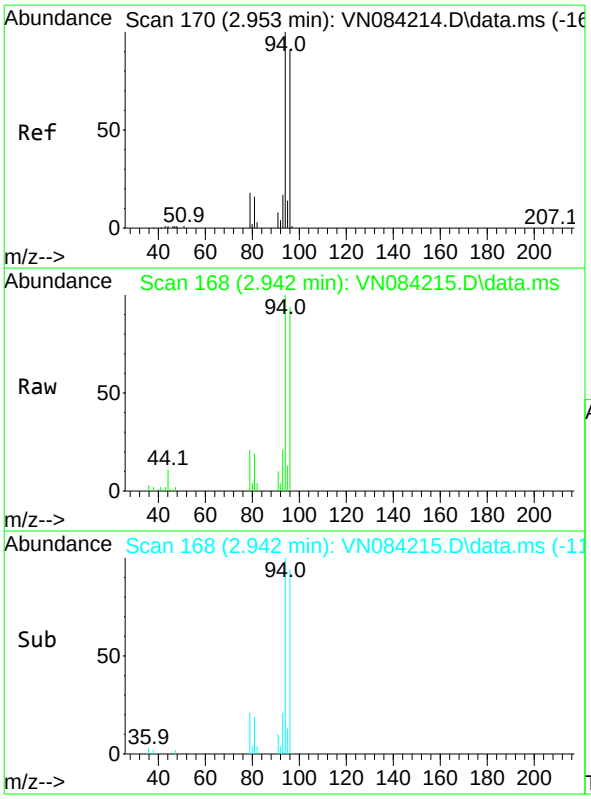


#4
Vinyl Chloride
Concen: 20.334 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 47375

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4

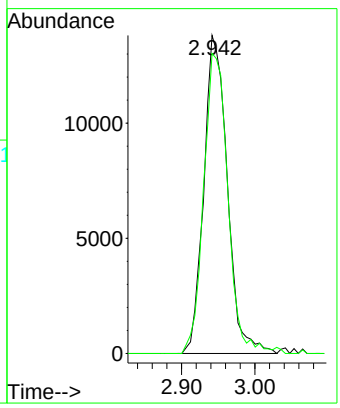




#5
Bromomethane
Concen: 20.010 ug/l
RT: 2.942 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 94 Resp: 30751

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 10/01/2024
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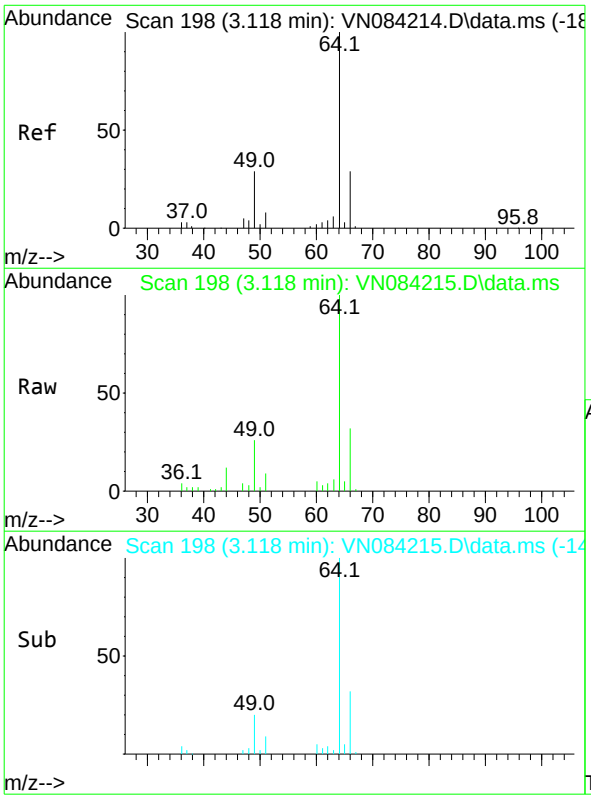
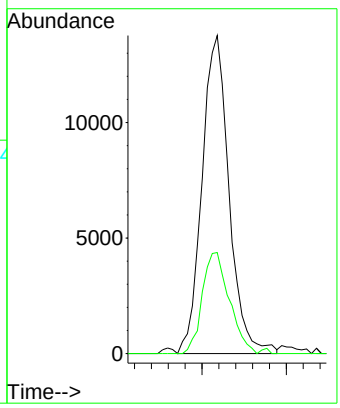
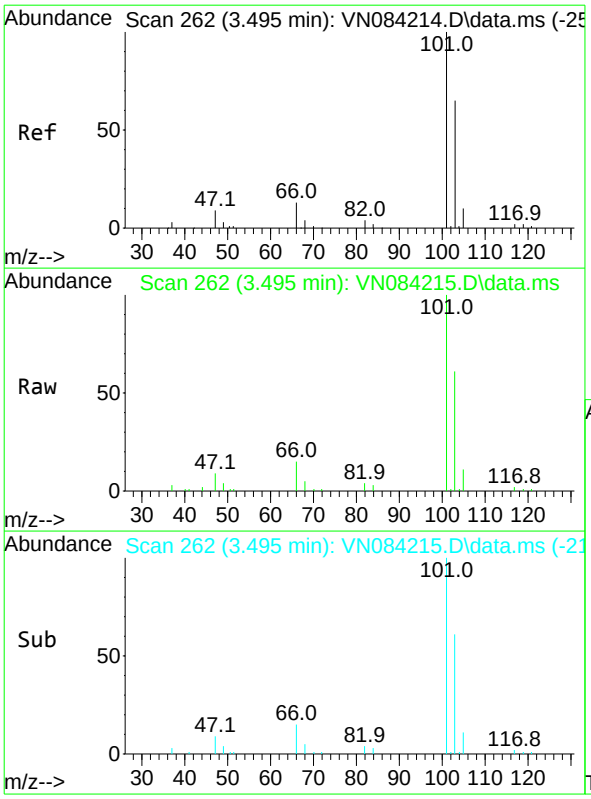


#6
Chloroethane
Concen: 18.369 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 64 Resp: 30650

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3

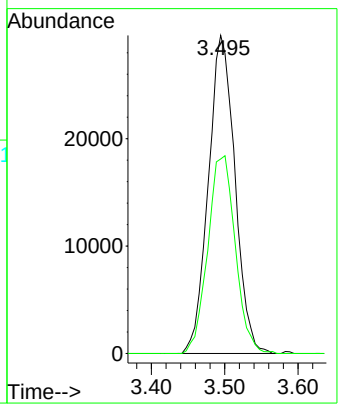




#7
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:101 Resp: 74579

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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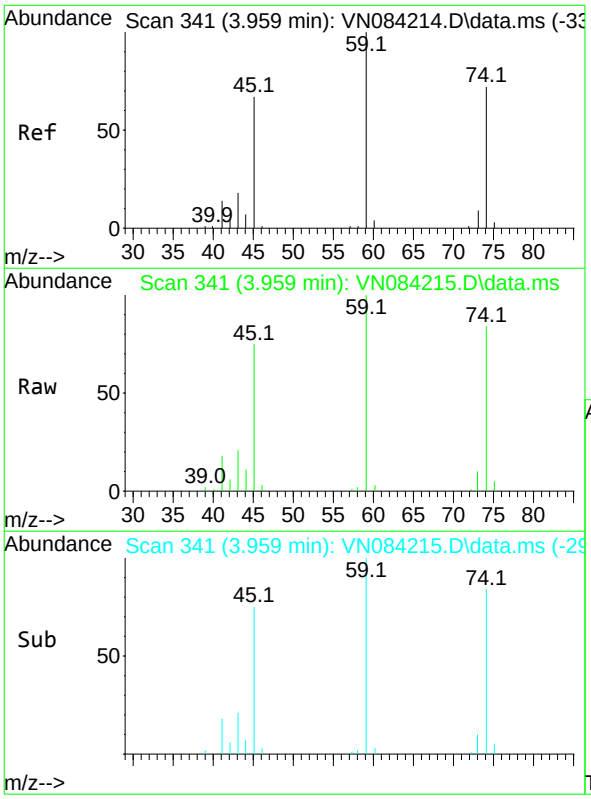
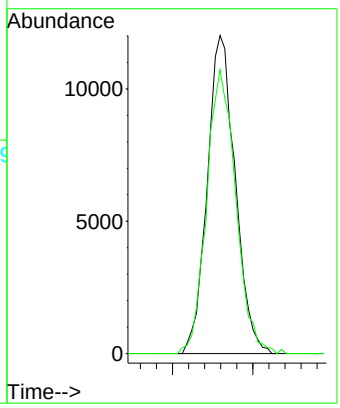
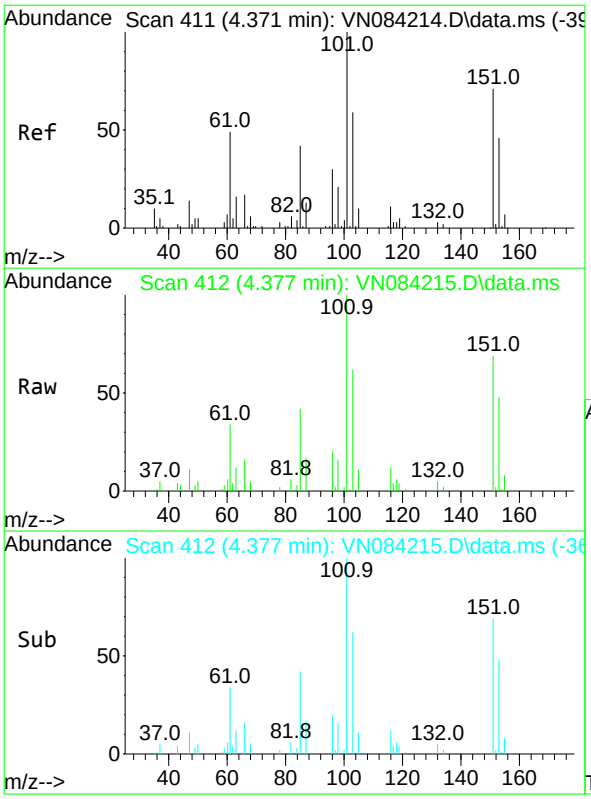


#8
Diethyl Ether
Concen: 21.619 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 74 Resp: 29090

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1

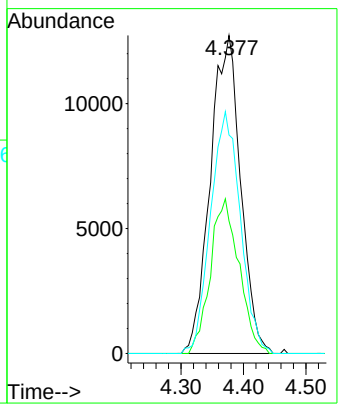




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:101 Resp: 42958

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	74.9	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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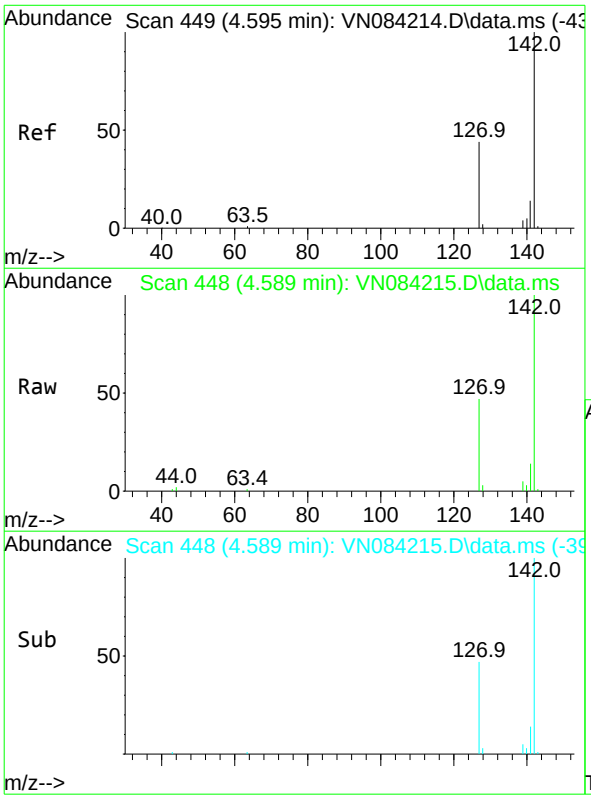
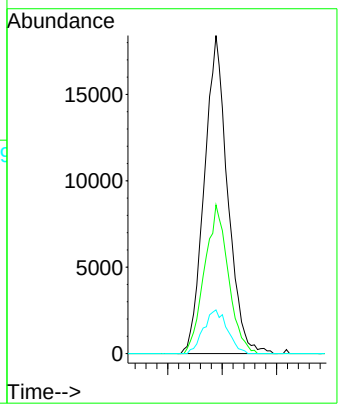
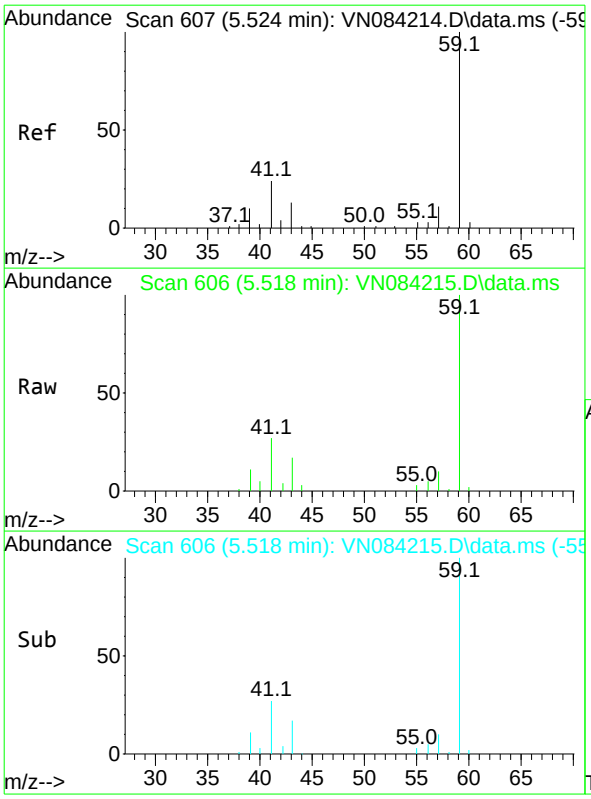


#10
Methyl Iodide
Concen: 20.458 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:142 Resp: 54769

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	13.7	11.0	16.6

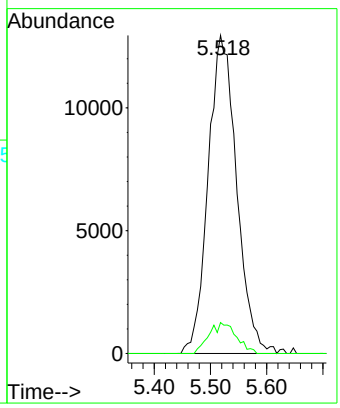




#11
Tert butyl alcohol
Concen: 104.506 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 59 Resp: 45501

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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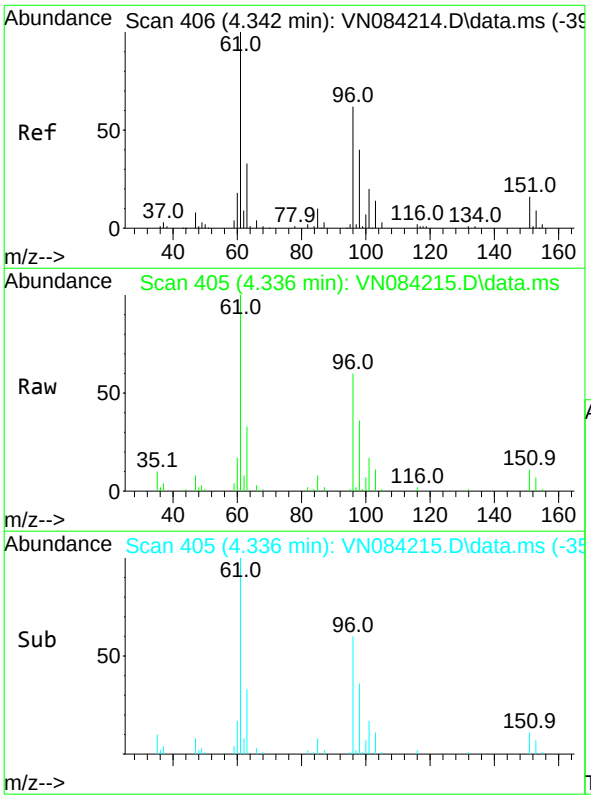
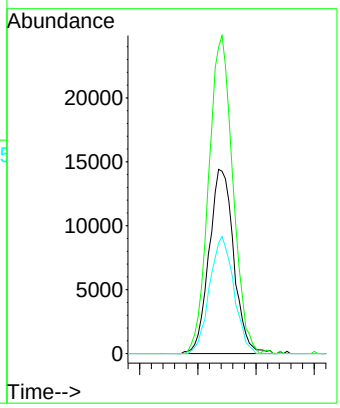
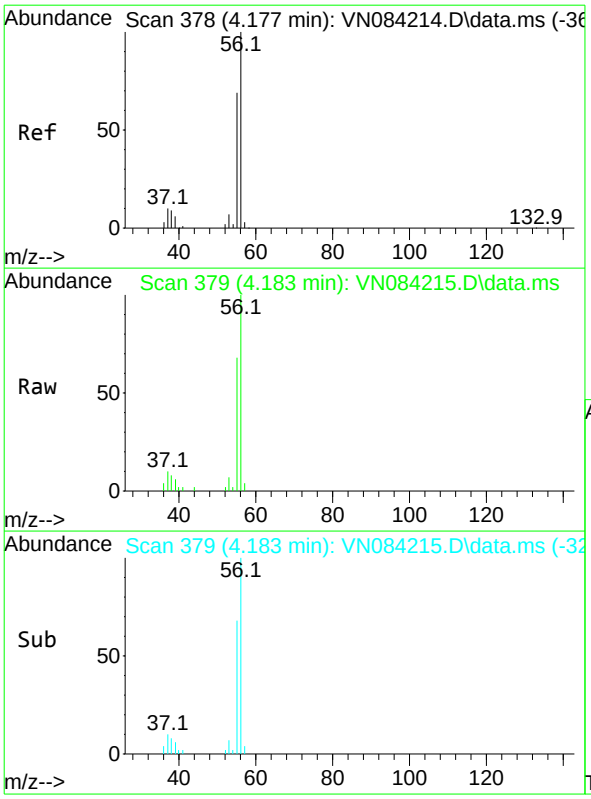


#12
1,1-Dichloroethene
Concen: 21.171 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 42450

Ion	Ratio	Lower	Upper
96	100		
61	166.5	128.6	192.8
98	60.0	51.7	77.5

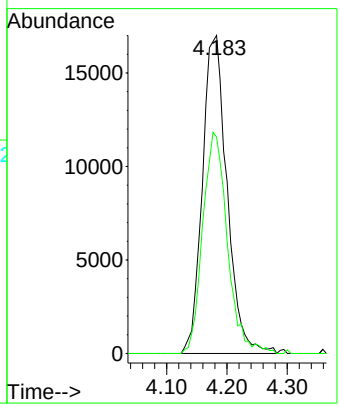




#13
Acrolein
Concen: 96.553 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 56 Resp: 48261

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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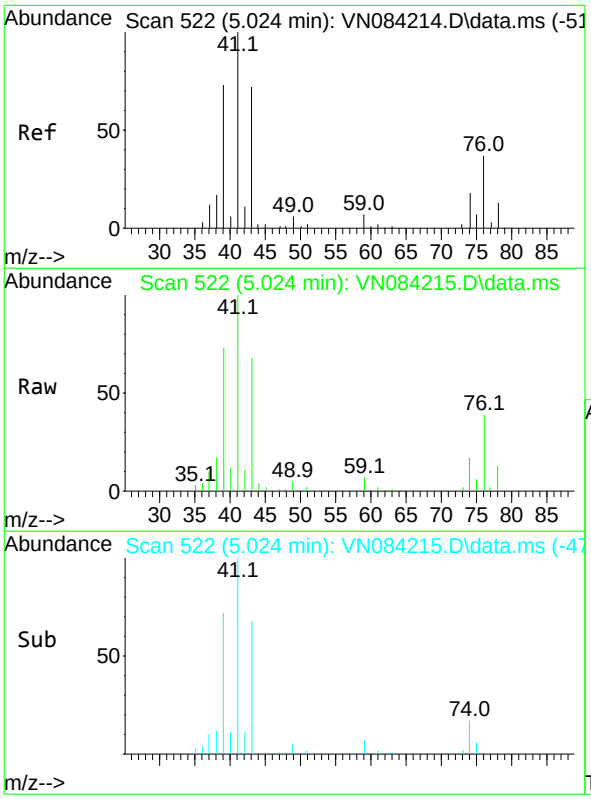
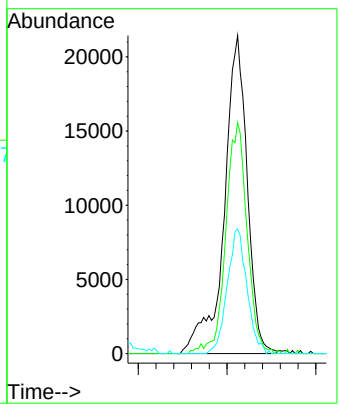
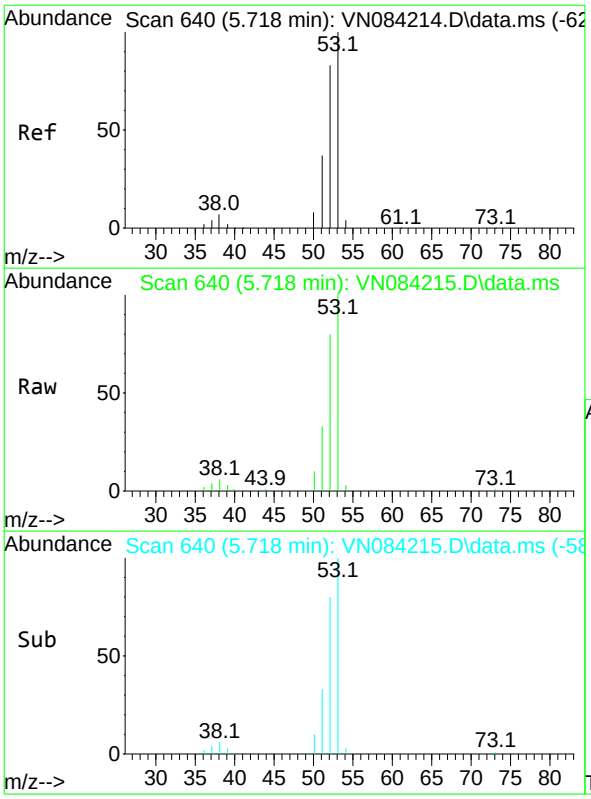


#14
Allyl chloride
Concen: 22.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 77338

Ion	Ratio	Lower	Upper
41	100		
39	66.9	59.0	88.6
76	33.5	29.8	44.6

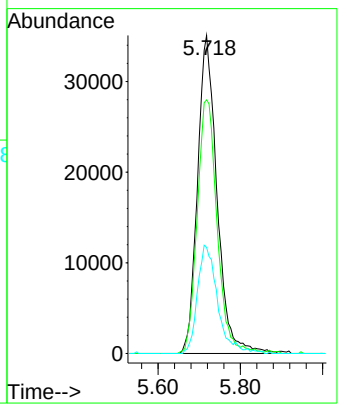




#15
Acrylonitrile
Concen: 105.004 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 53 Resp: 115451

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
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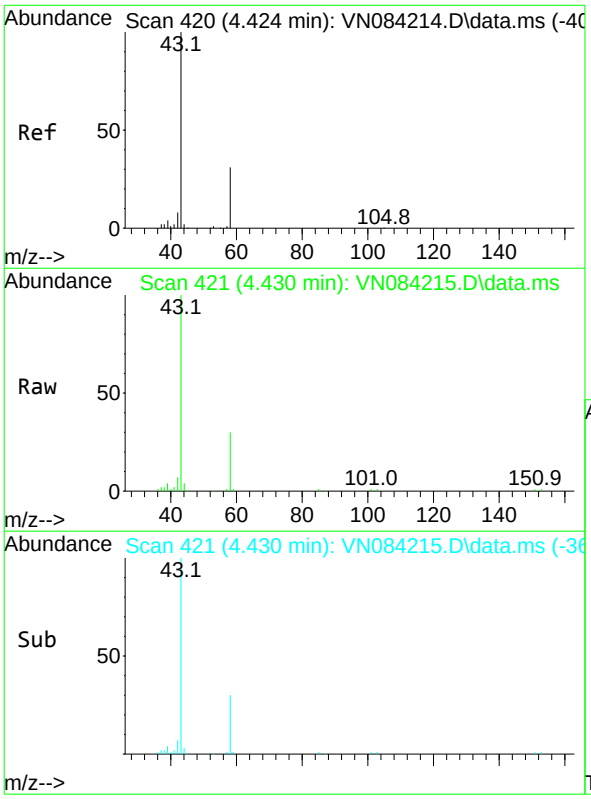
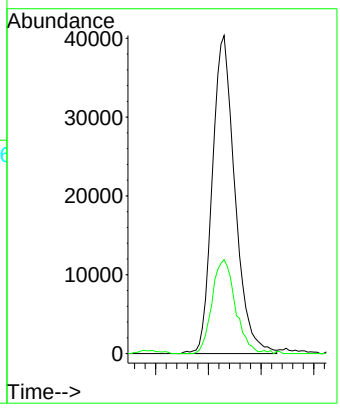
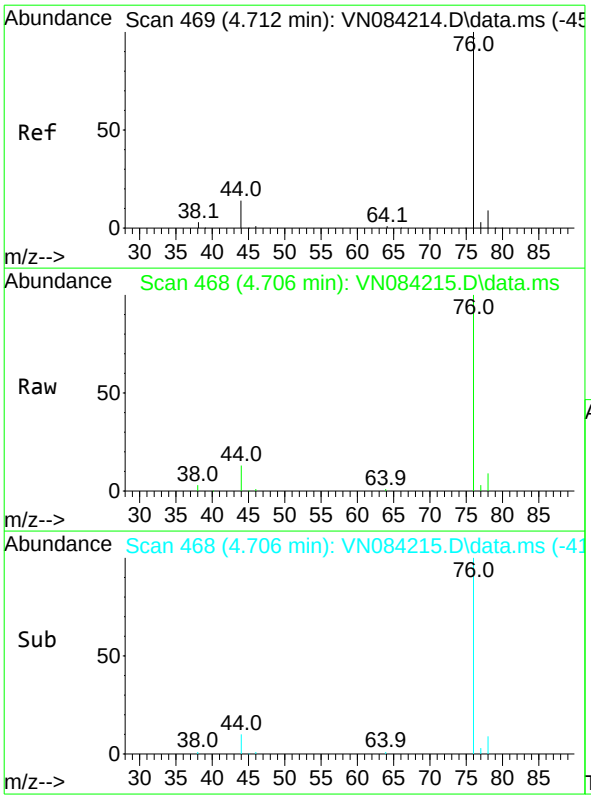


#16
Acetone
Concen: 105.747 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6

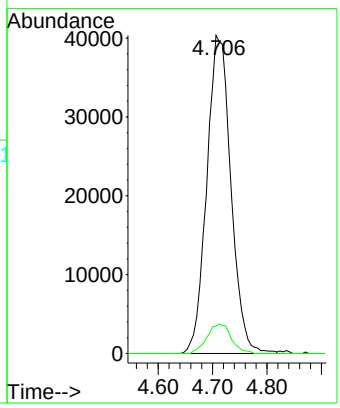




#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 76 Resp: 124366

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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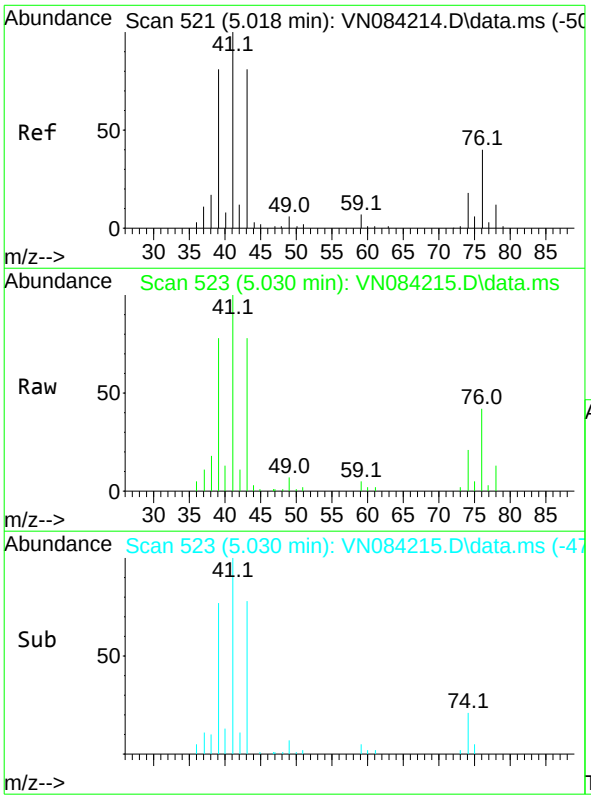
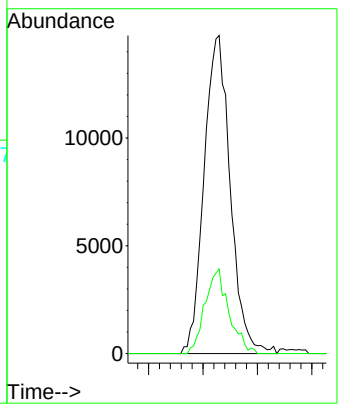
Supervised By :Mahesh Dadoda 10/01/2024

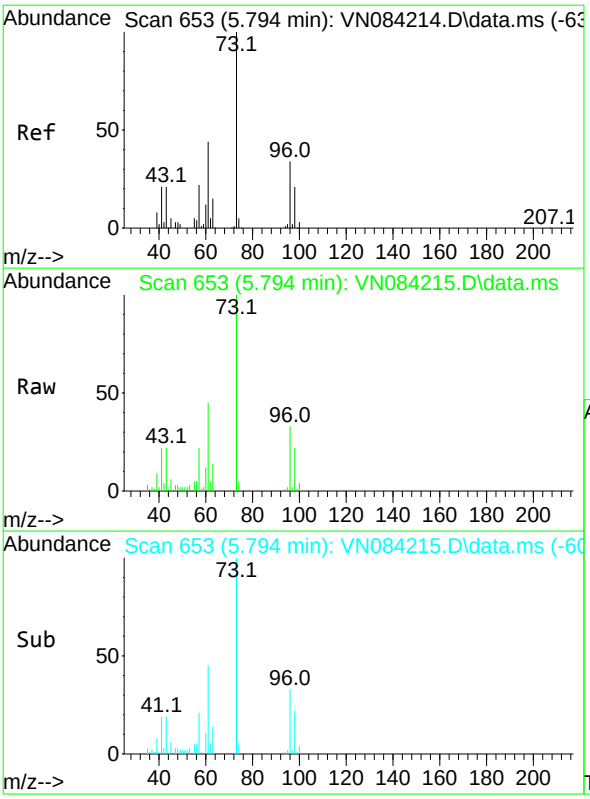


#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 49436

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8

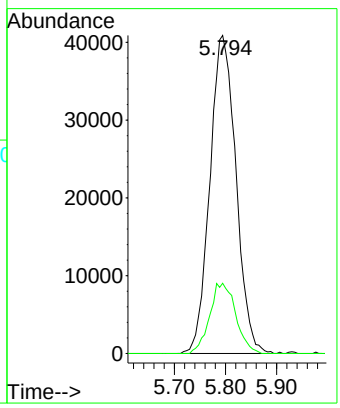




#19
Methyl tert-butyl Ether
Concen: 21.421 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 73 Resp: 144972

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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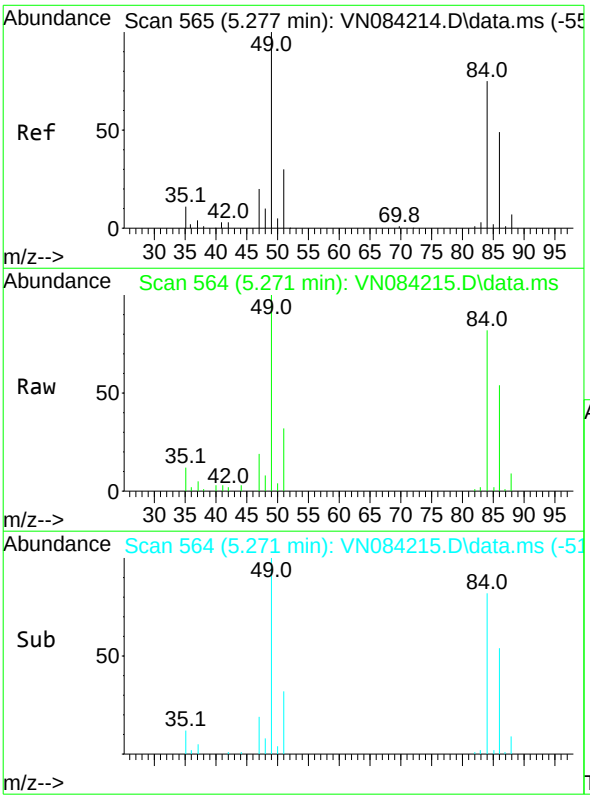
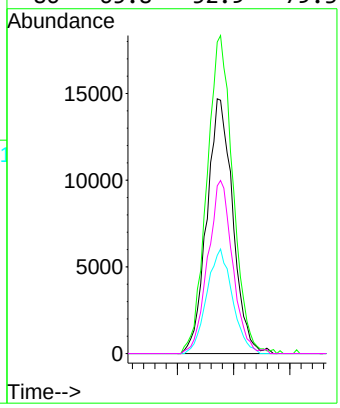
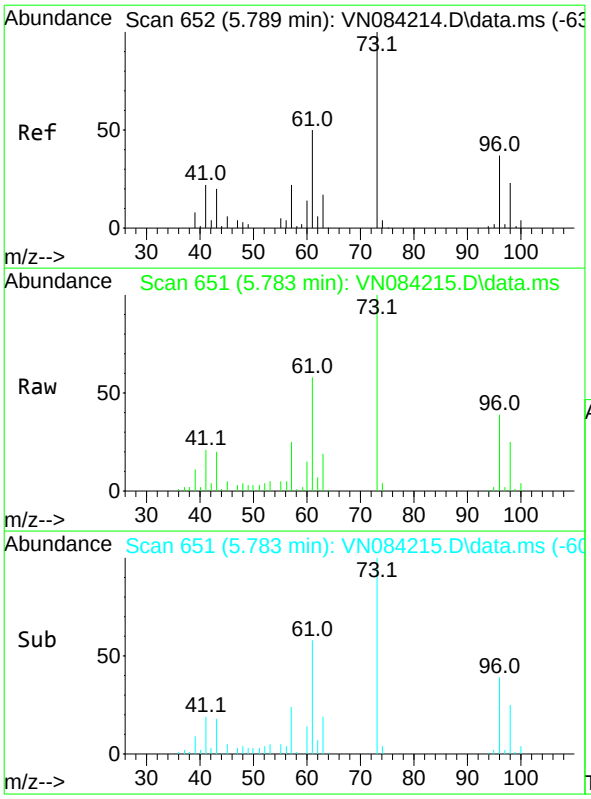


#20
Methylene Chloride
Concen: 20.423 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 84 Resp: 47091

Ion	Ratio	Lower	Upper
84	100		
49	122.3	107.2	160.8
51	38.6	31.8	47.8
86	65.8	52.9	79.3

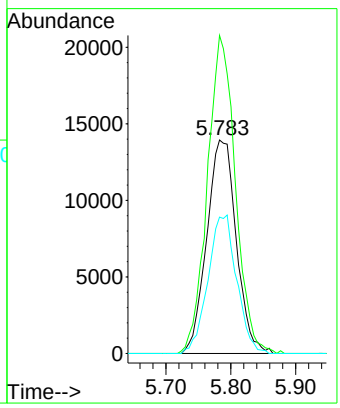




#21
trans-1,2-Dichloroethene
Concen: 20.976 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 44064

Ion	Ratio	Lower	Upper
96	100		
61	149.0	108.4	162.6
98	63.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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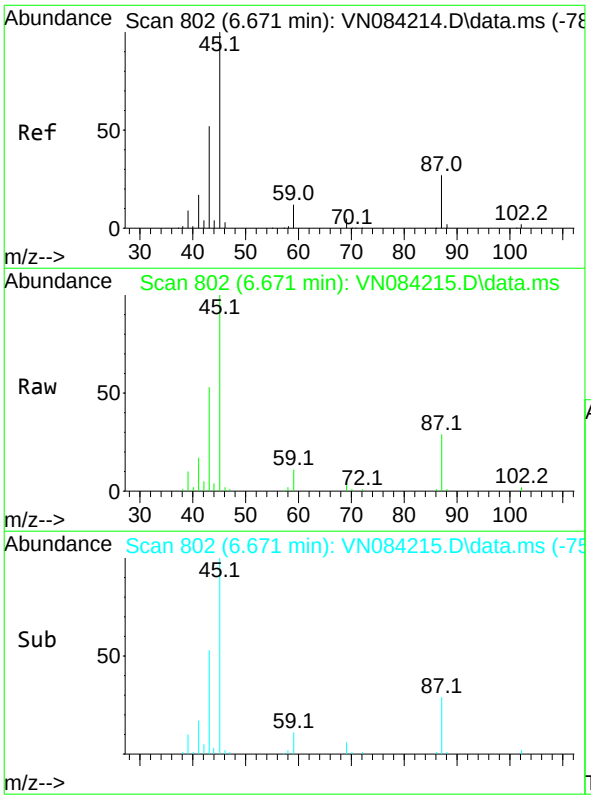
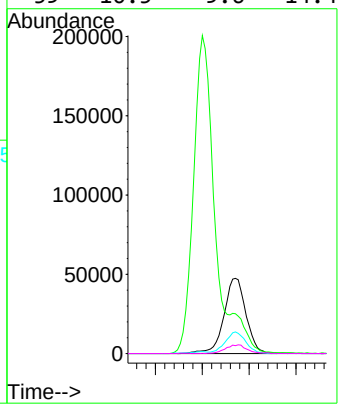
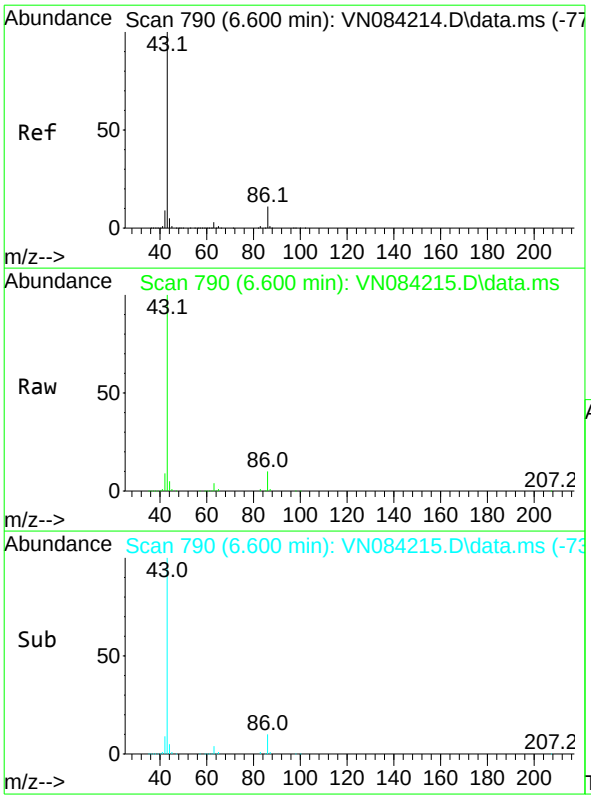


#22
Diisopropyl ether
Concen: 21.460 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 45 Resp: 154575

Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.3	63.5
87	28.8	21.8	32.6
59	10.5	9.6	14.4

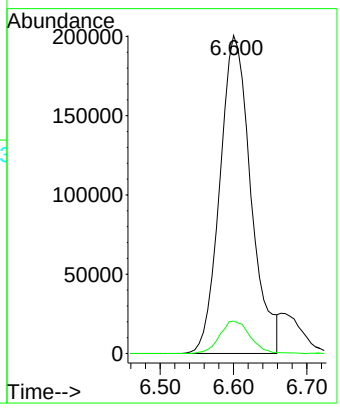




#23
Vinyl Acetate
Concen: 109.739 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 589404

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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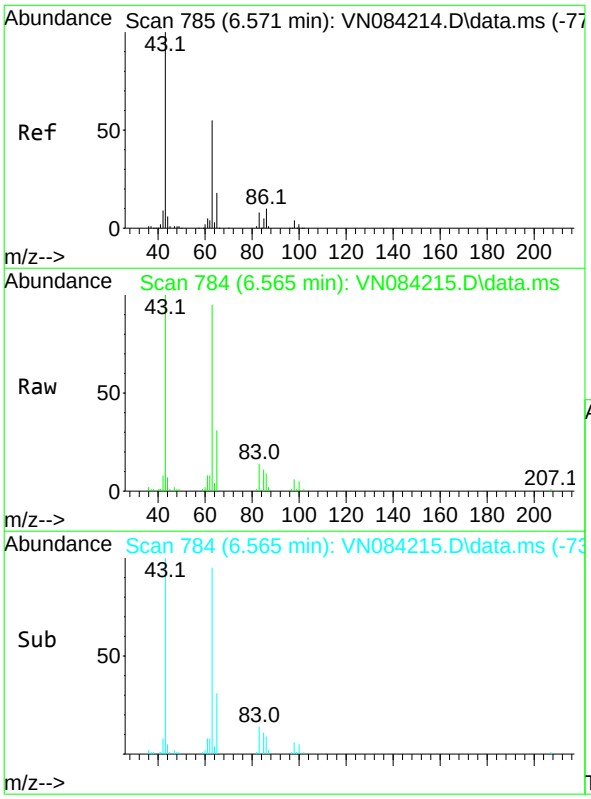
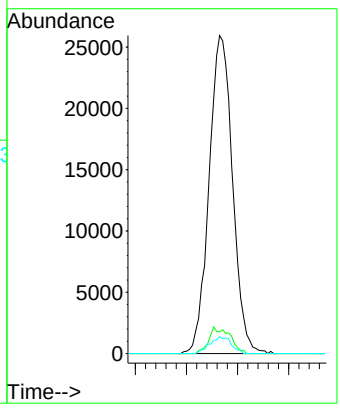
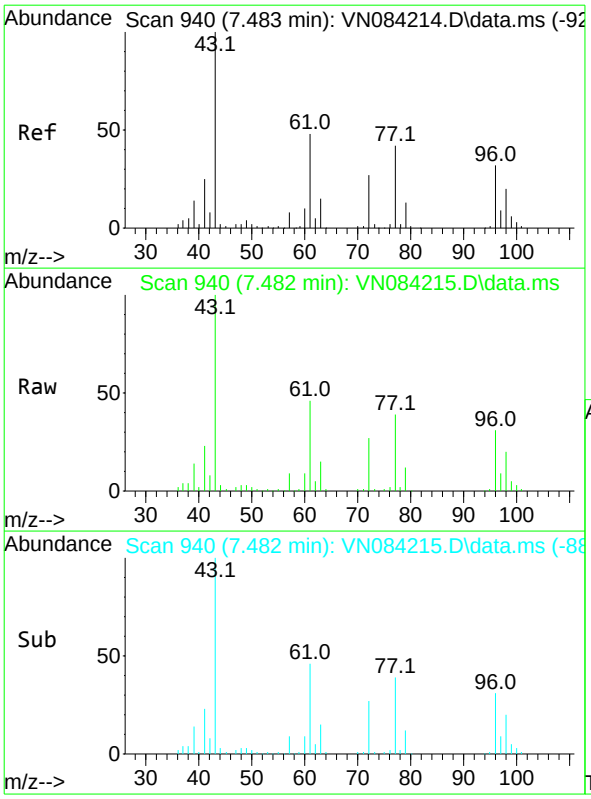


#24
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 82821

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	5.3	2.0	5.8

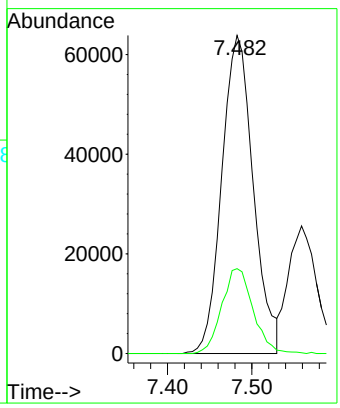




#25
2-Butanone
Concen: 107.295 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 165762

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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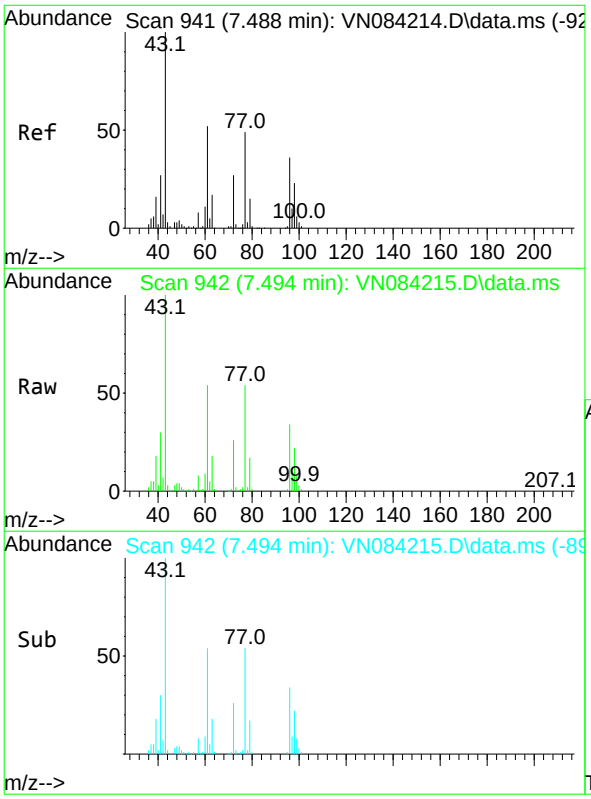
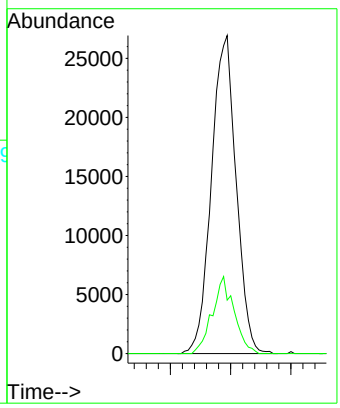
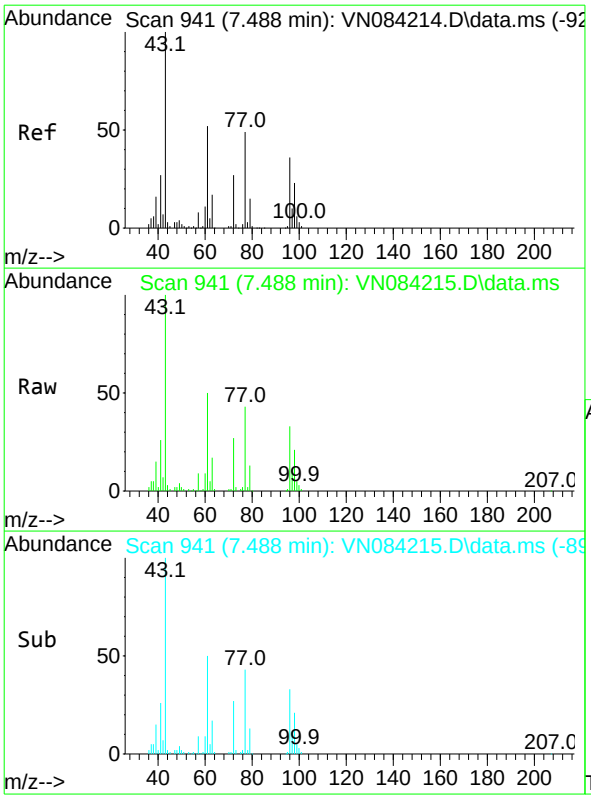


#26
2,2-Dichloropropane
Concen: 21.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 77 Resp: 76824

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3

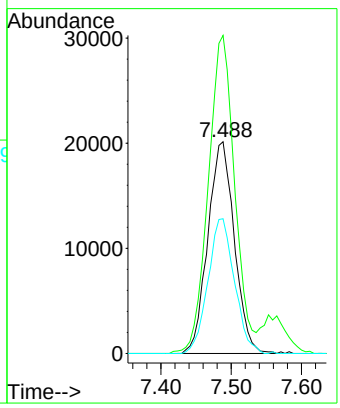




#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 52758

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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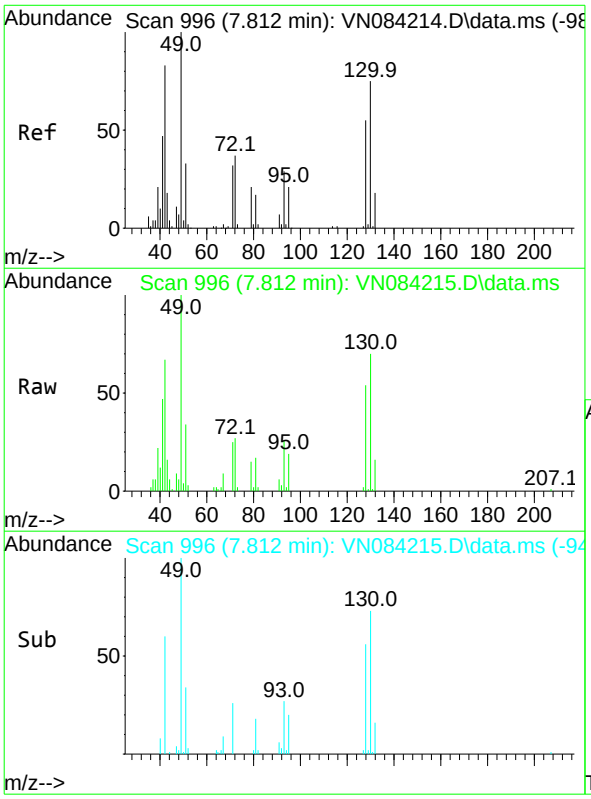
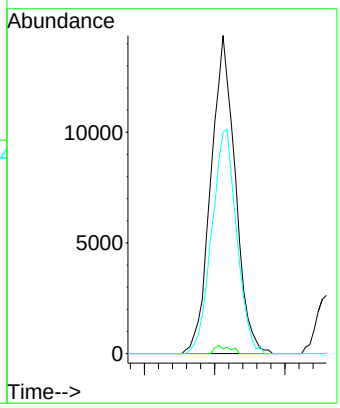
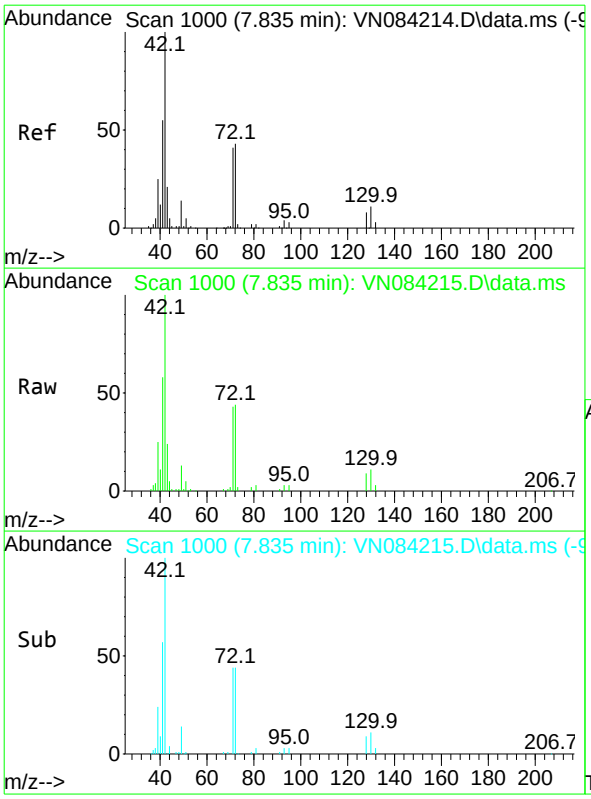


#28
Bromochloromethane
Concen: 19.246 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 49 Resp: 34591

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	71.9	58.0	87.0

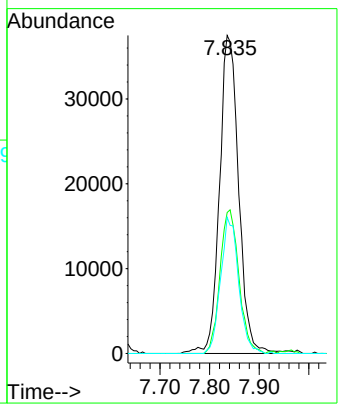




#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 42 Resp: 100146

Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	40.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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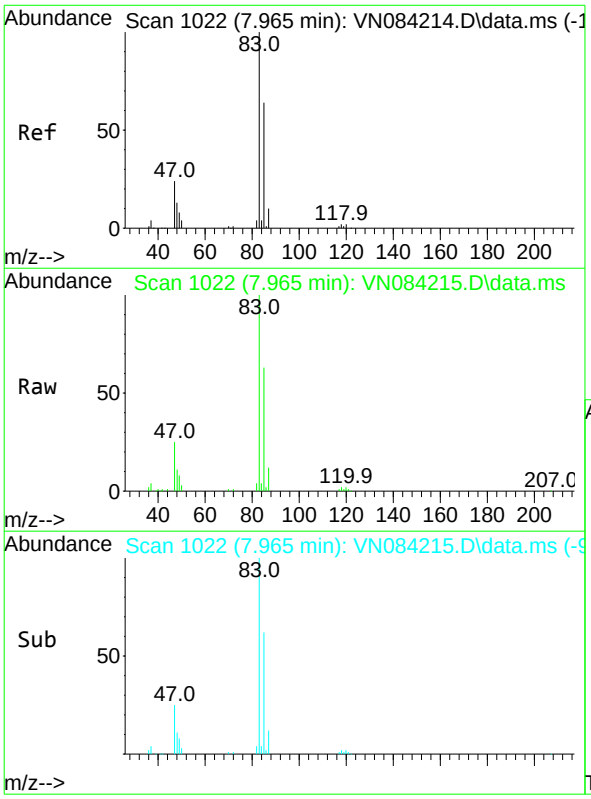
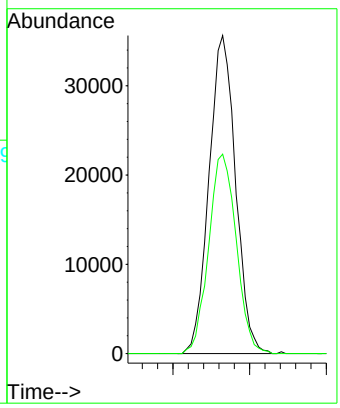
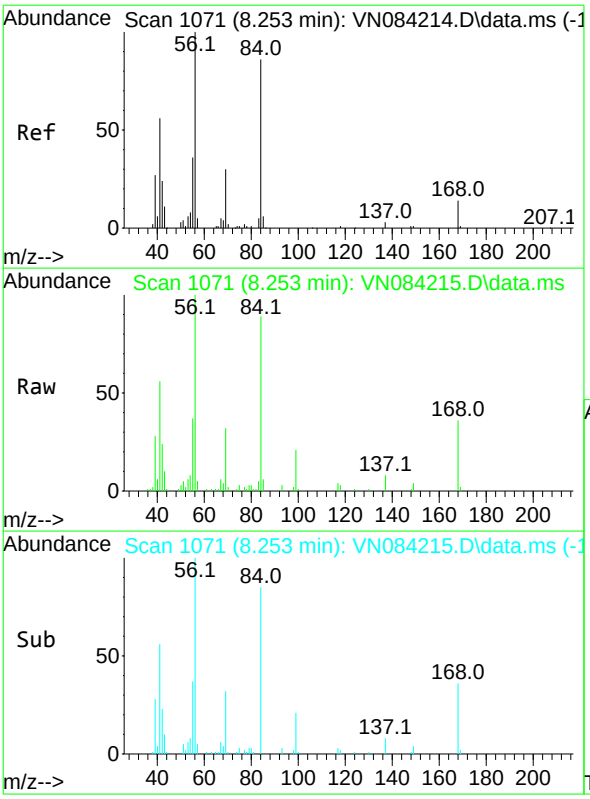


#30
Chloroform
Concen: 20.517 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 85848

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4

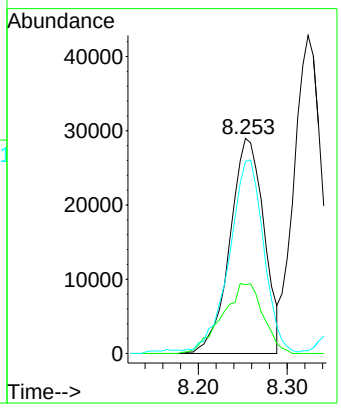




#31
Cyclohexane
Concen: 19.743 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 56 Resp: 77216

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	87.6	68.8	103.2



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ClientSampleId :
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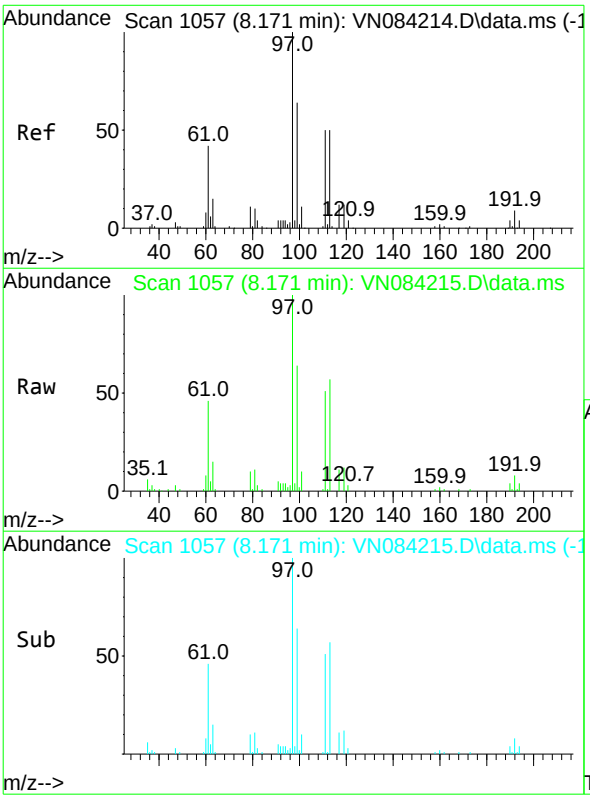
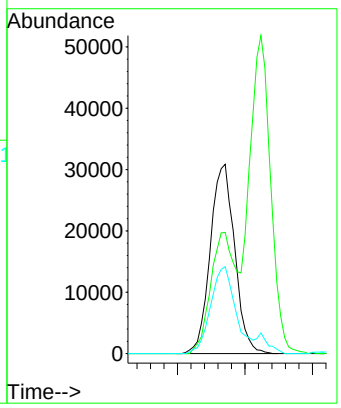
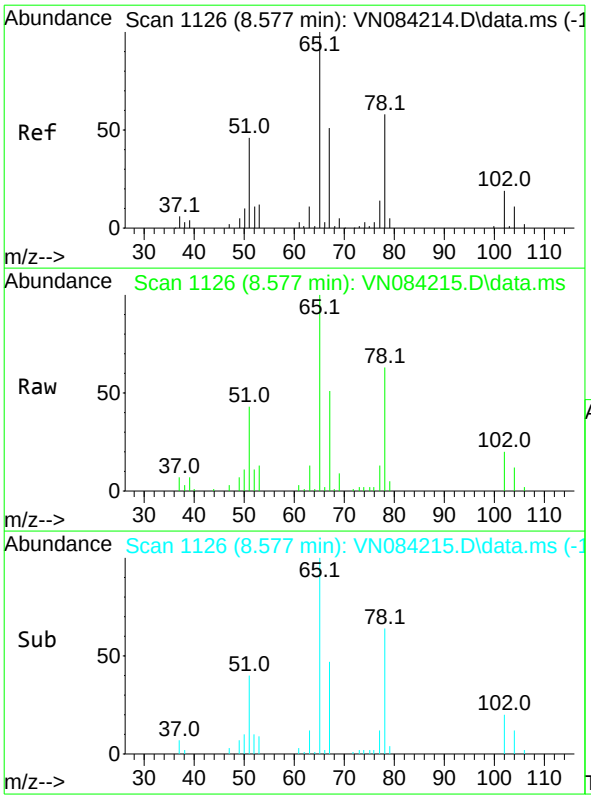


#32
1,1,1-Trichloroethane
Concen: 20.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 97 Resp: 77552

Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.2	76.8
61	46.9	37.5	56.3

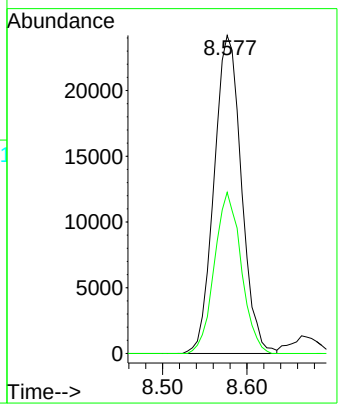




#33
1,2-Dichloroethane-d4
Concen: 20.606 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 65 Resp: 54409

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.0



Instrument :
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ClientSampleId :
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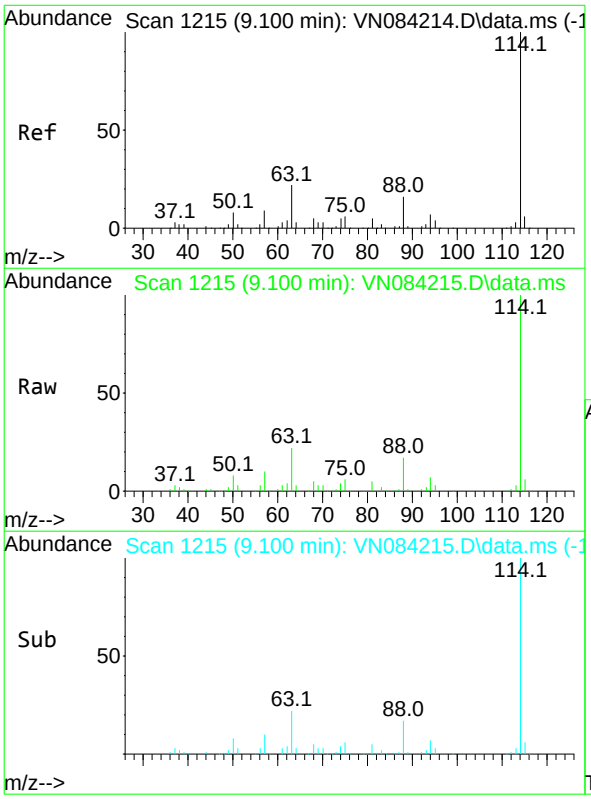
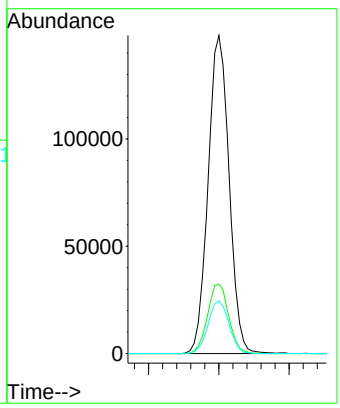
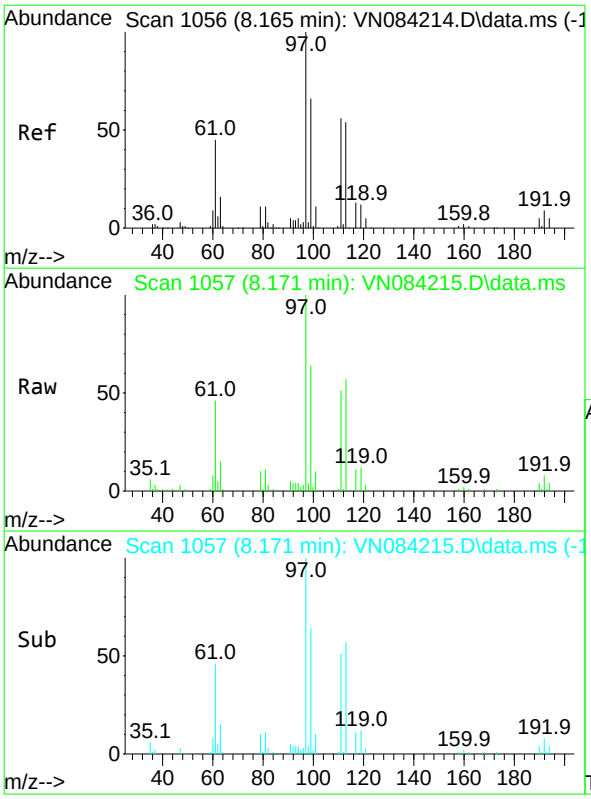


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:114 Resp: 307298

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

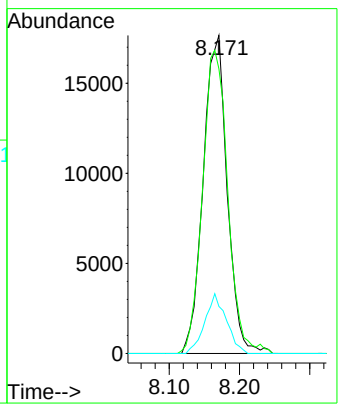




#35
Dibromofluoromethane
Concen: 20.684 ug/l
RT: 8.171 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:113 Resp: 41903

Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.3	124.9
192	16.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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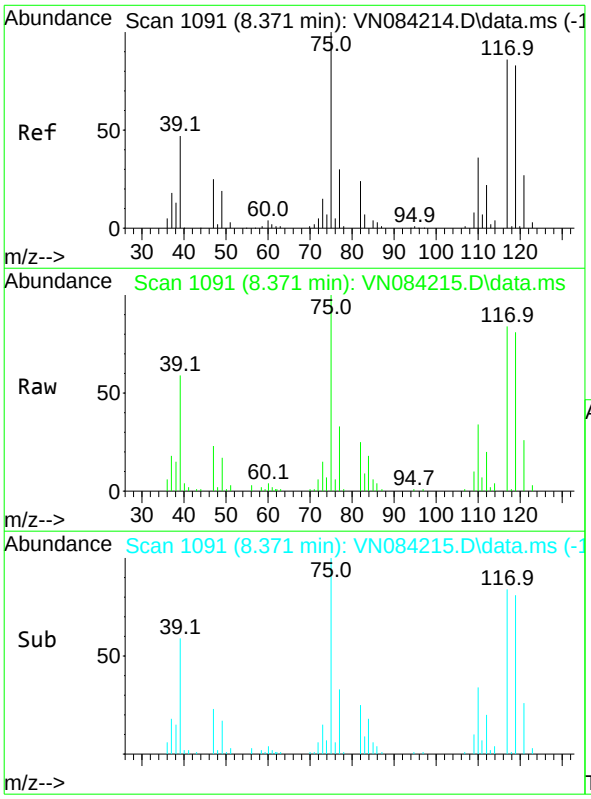
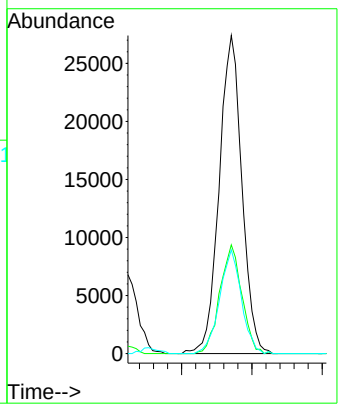
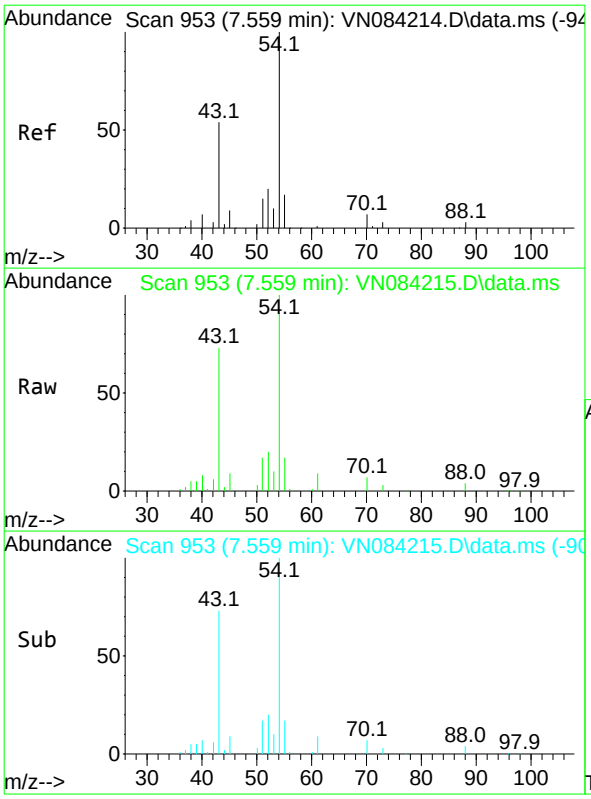


#36
1,1-Dichloropropene
Concen: 20.918 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 61556

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.7	37.1

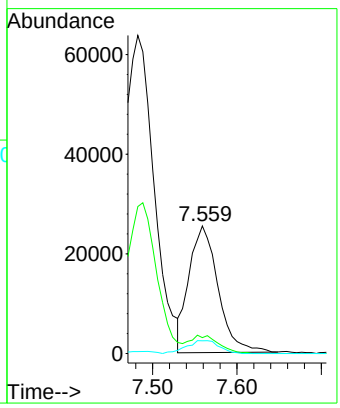




#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 61023

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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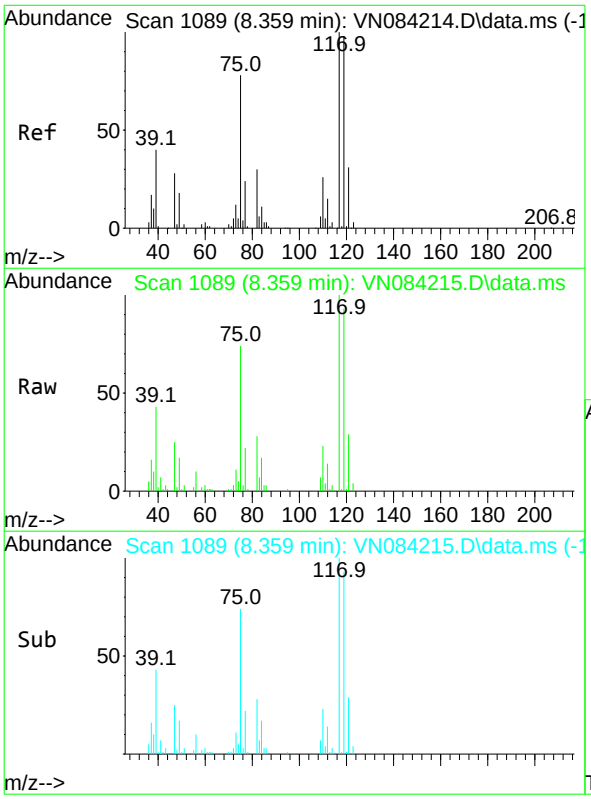
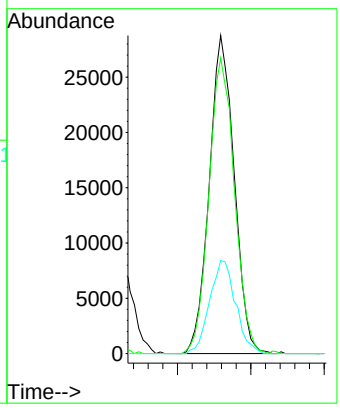
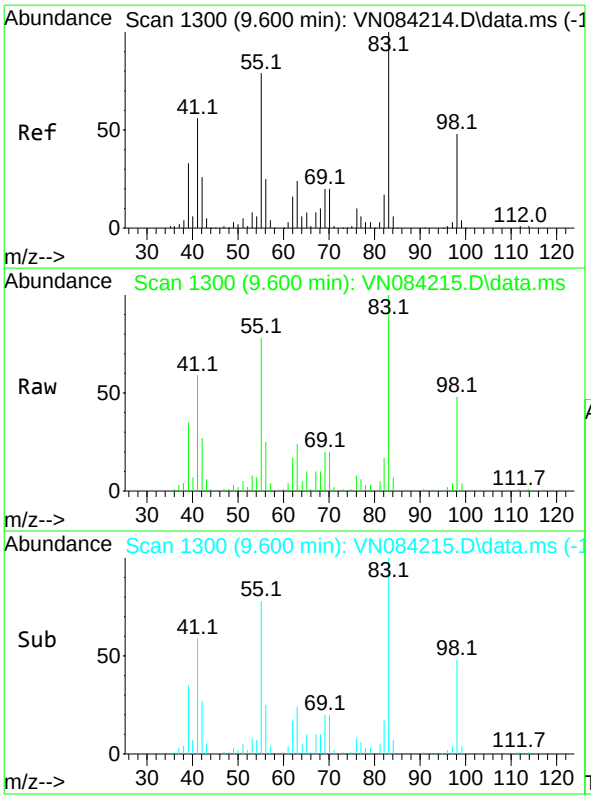


#38
Carbon Tetrachloride
Concen: 21.039 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 67913

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.7	118.1
121	29.2	24.4	36.6

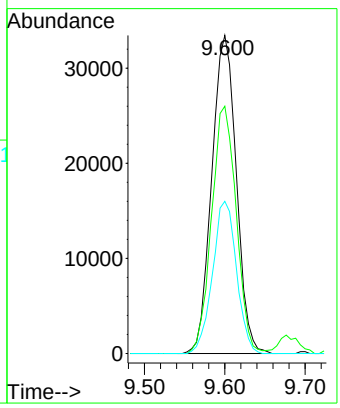




#39
Methylcyclohexane
Concen: 21.665 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 70956

Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	47.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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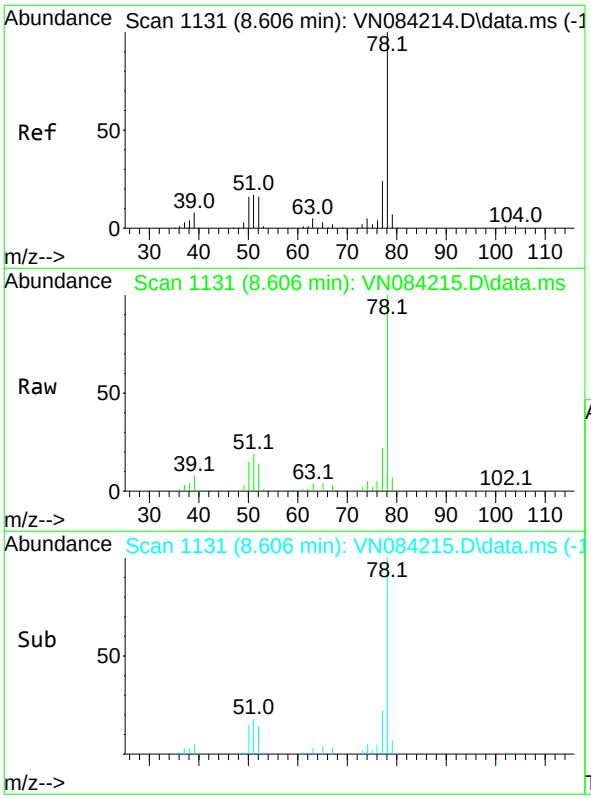
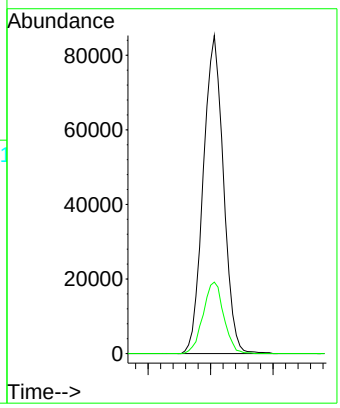
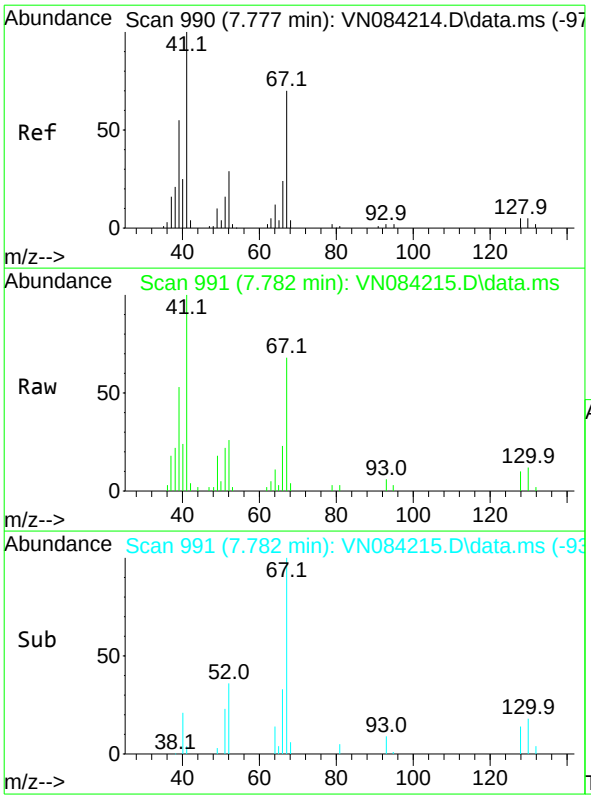


#40
Benzene
Concen: 20.896 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 78 Resp: 191581

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7

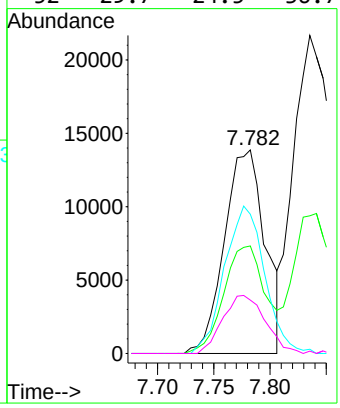




#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 34943

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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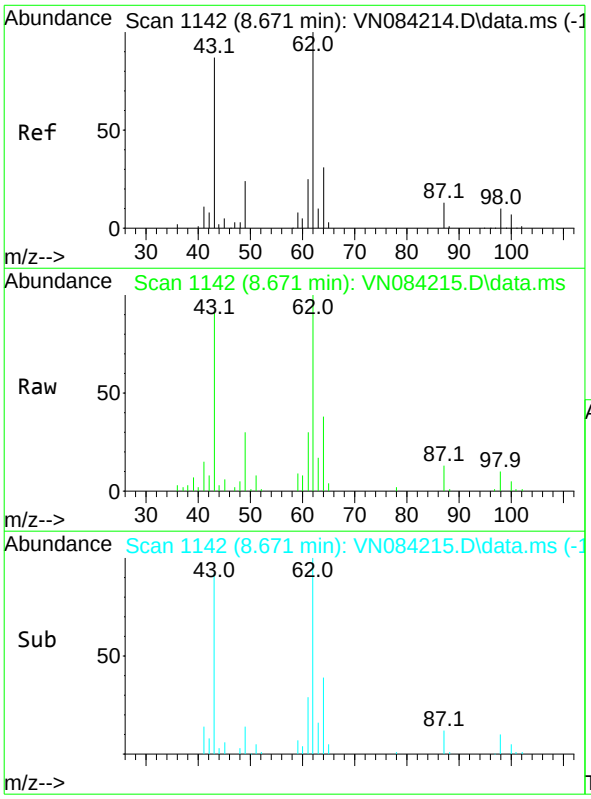
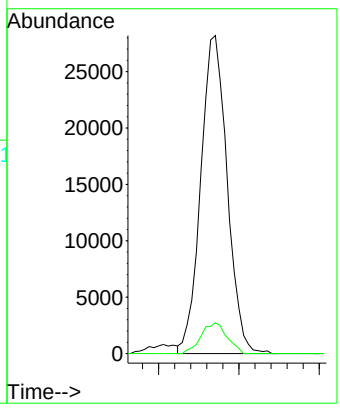
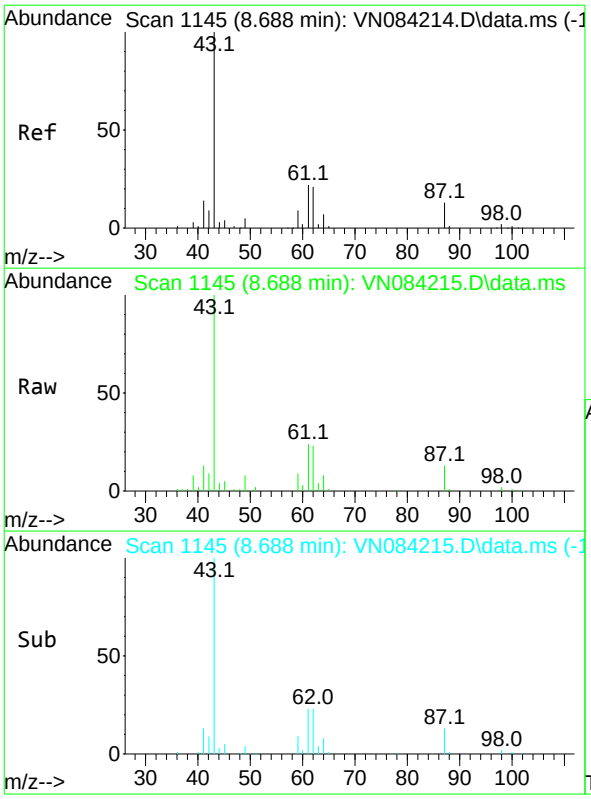


#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 64453

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.334 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 114278

Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.7	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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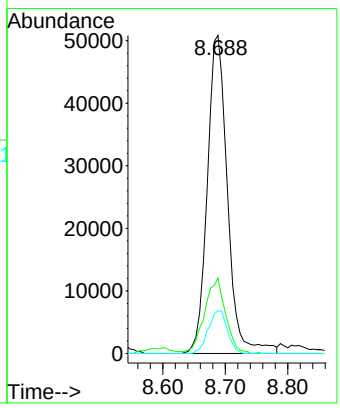
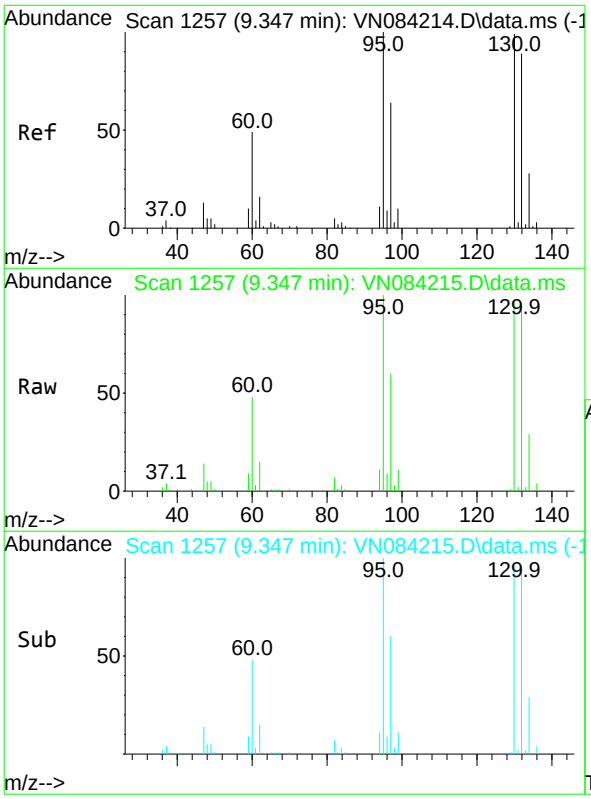
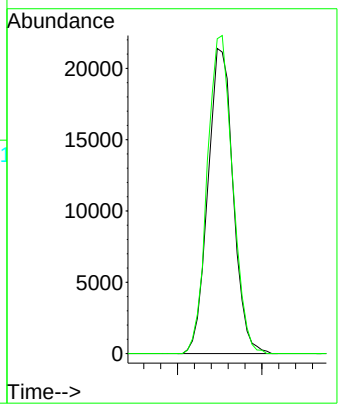


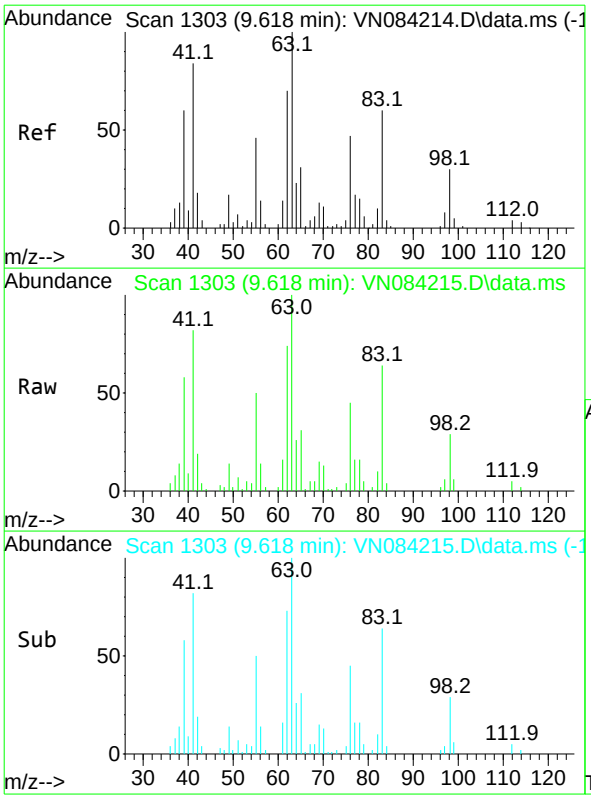


#44
Trichloroethene
Concen: 20.740 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:130 Resp: 44412

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0

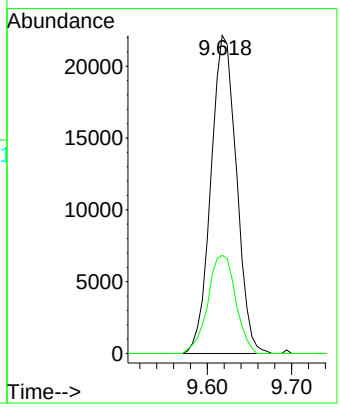




#45
1,2-Dichloropropane
Concen: 21.509 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 46651

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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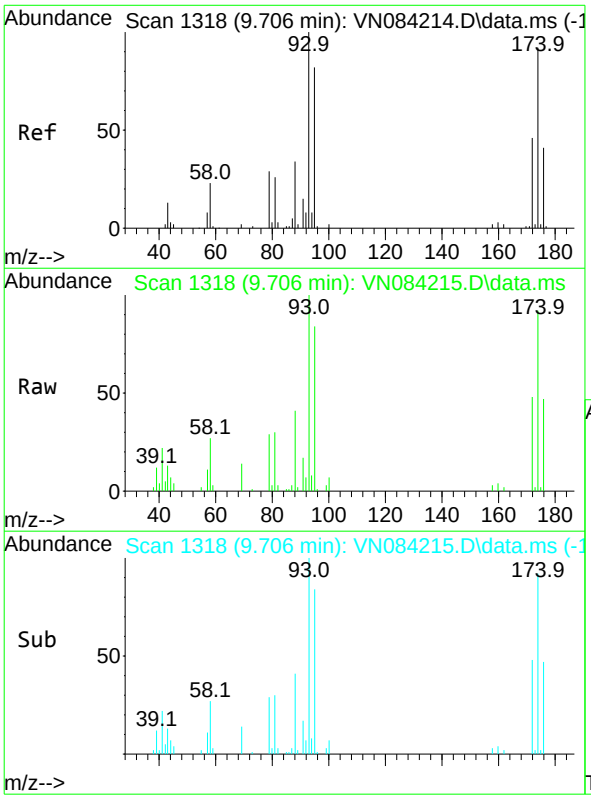
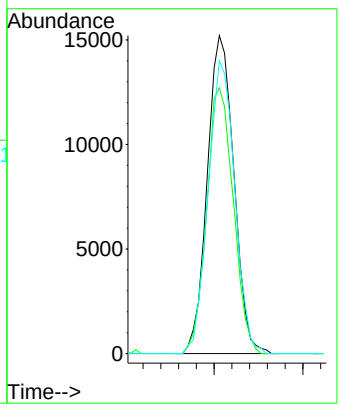
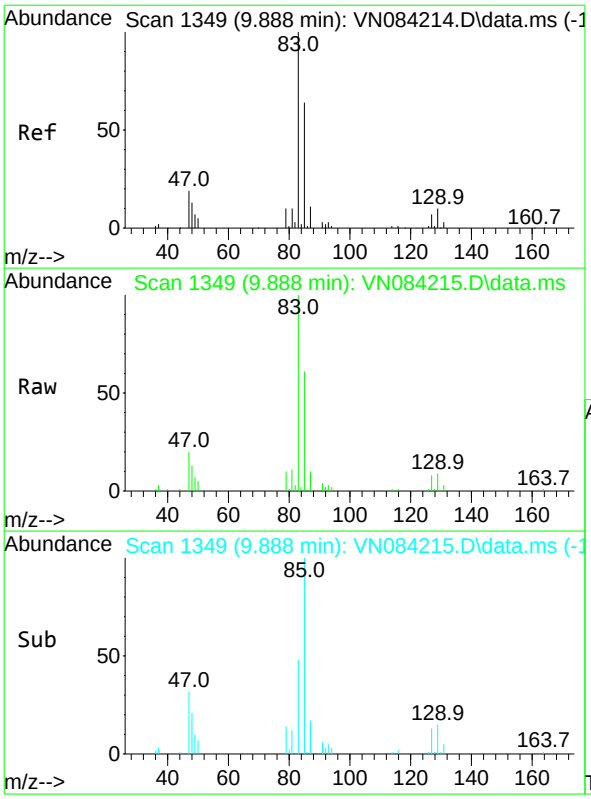


#46
Dibromomethane
Concen: 21.639 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 93 Resp: 31672

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.0	97.4
174	92.0	71.8	107.8

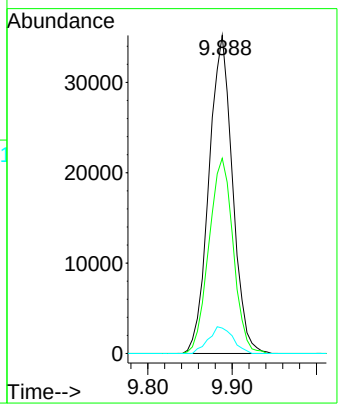




#47
Bromodichloromethane
Concen: 21.017 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 68343

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	8.0	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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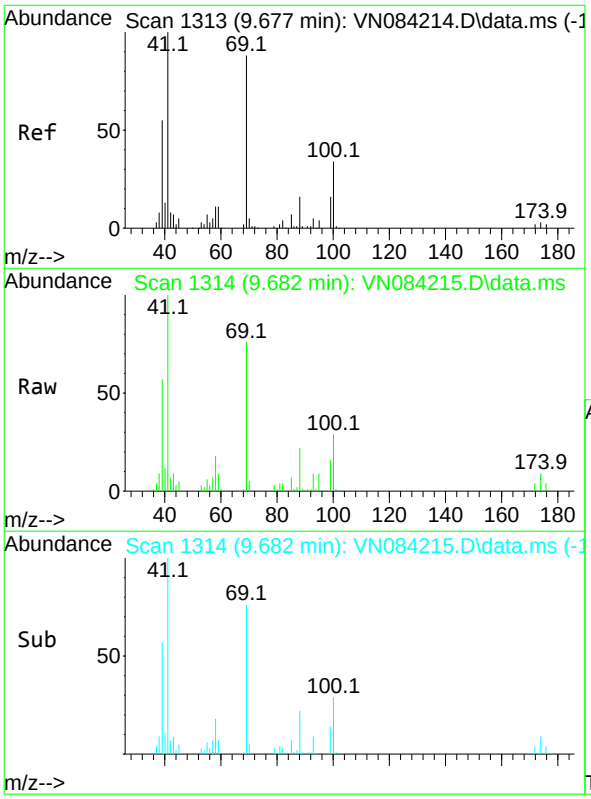
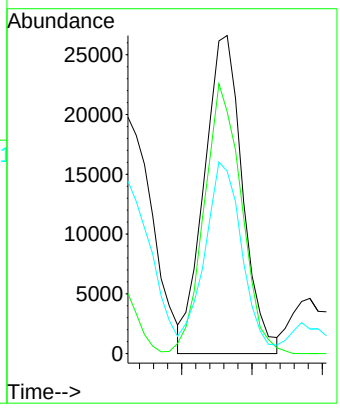
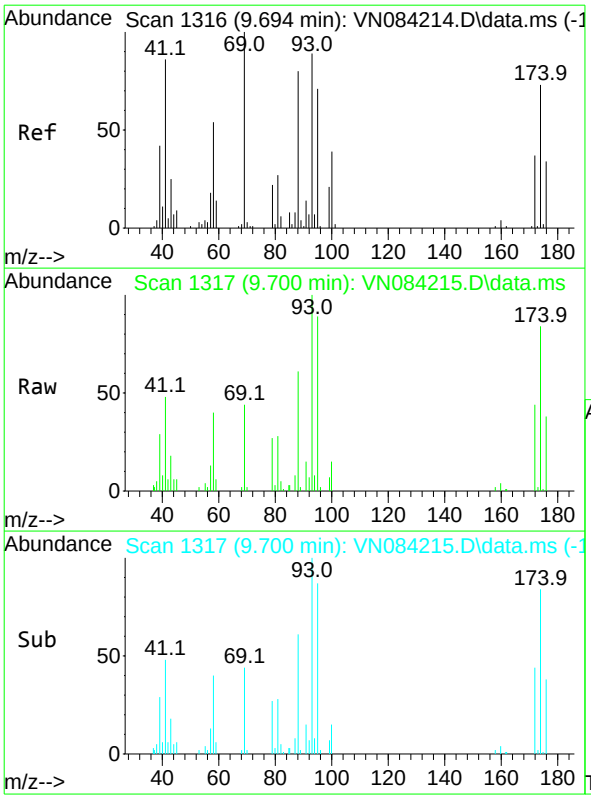


#48
Methyl methacrylate
Concen: 21.453 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 50498

Ion	Ratio	Lower	Upper
41	100		
69	82.3	67.1	100.7
39	59.0	45.8	68.6

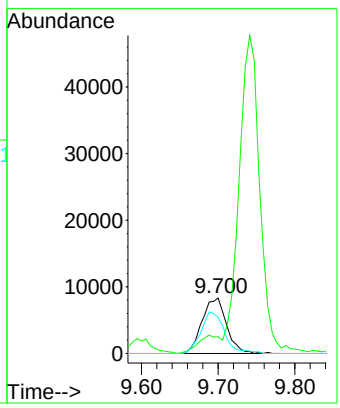




#49
1,4-Dioxane
Concen: 424.848 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 88 Resp: 18411

Ion	Ratio	Lower	Upper
88	100		
43	22.7	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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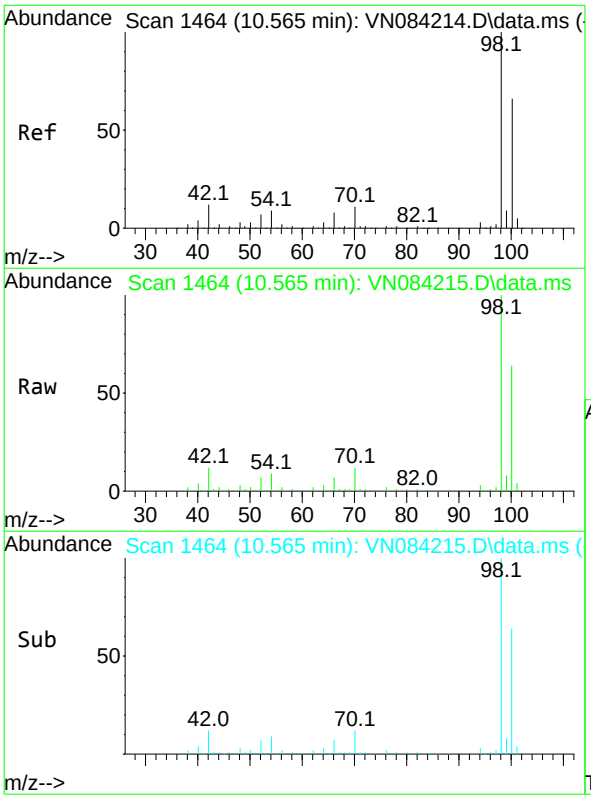
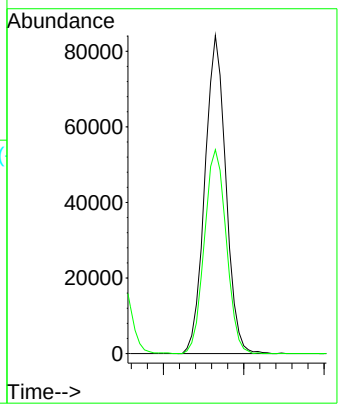
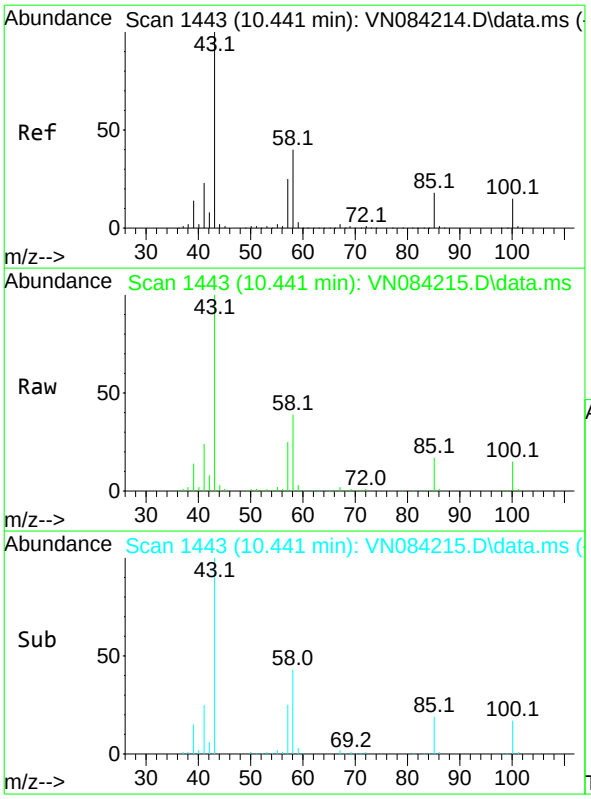


#50
Toluene-d8
Concen: 20.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 98 Resp: 152668

Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.7	79.1

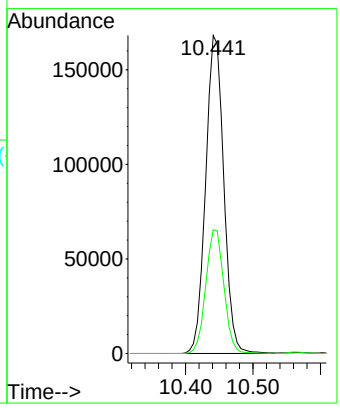




#51
4-Methyl-2-Pentanone
Concen: 109.132 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 313636

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
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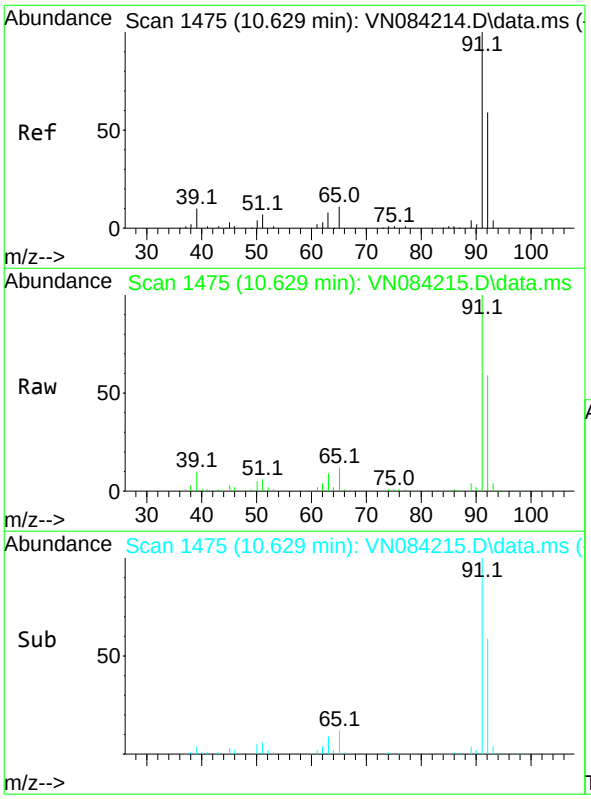
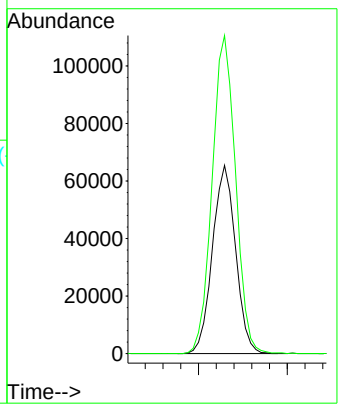
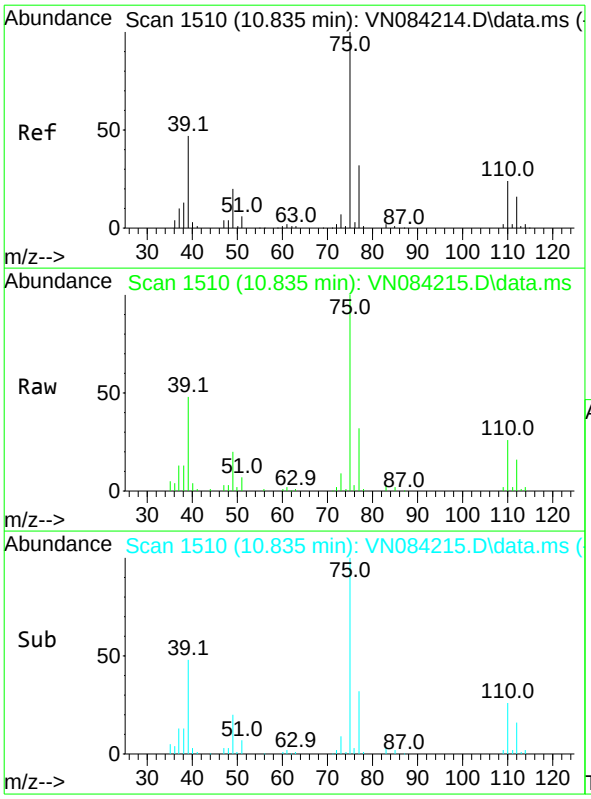


#52
Toluene
Concen: 21.179 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 92 Resp: 118412

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

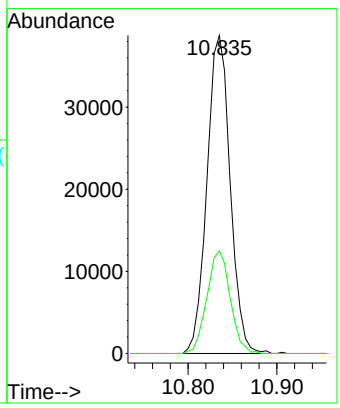




#53
t-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 70403

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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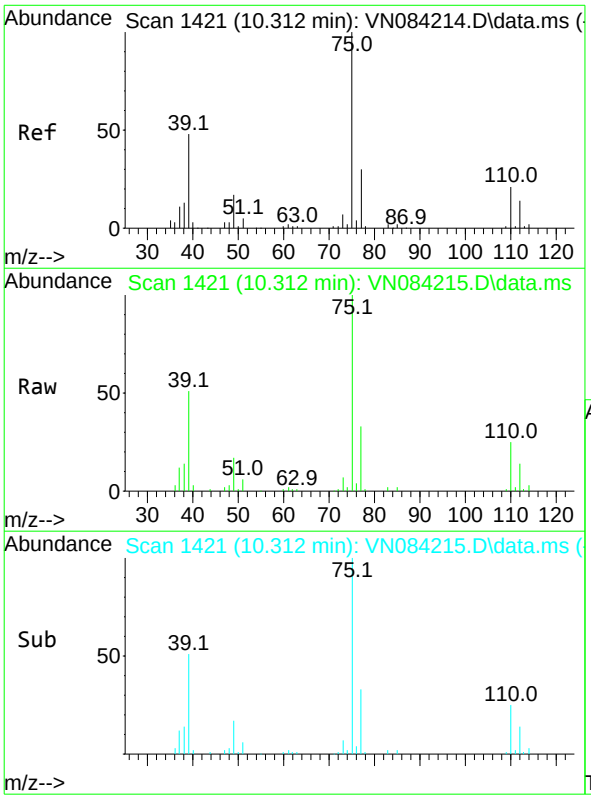
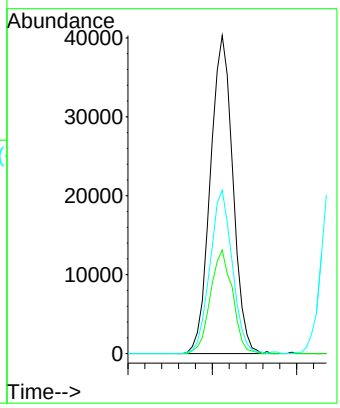
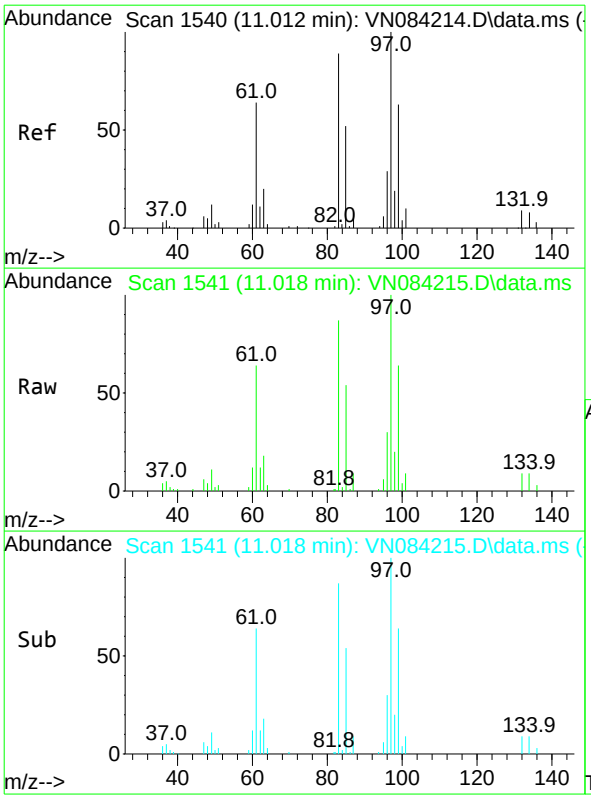


#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 74778

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	51.4	38.7	58.1

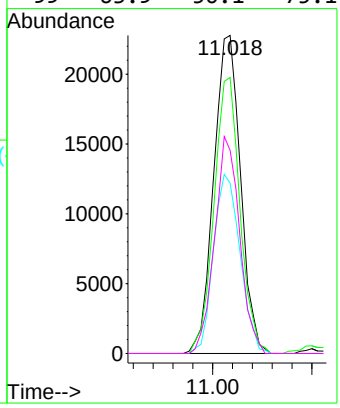




#55
1,1,2-Trichloroethane
Concen: 21.270 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 97 Resp: 42631

Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.0	106.4
85	53.6	41.7	62.5
99	63.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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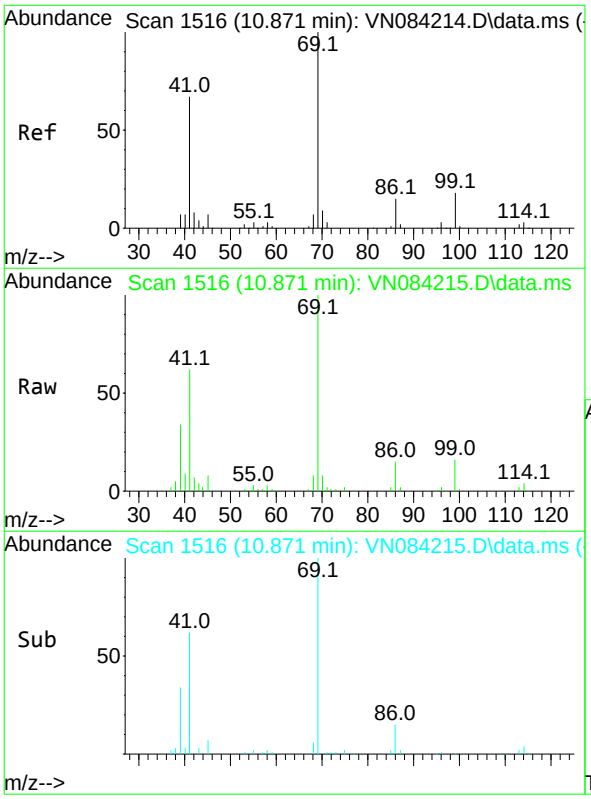
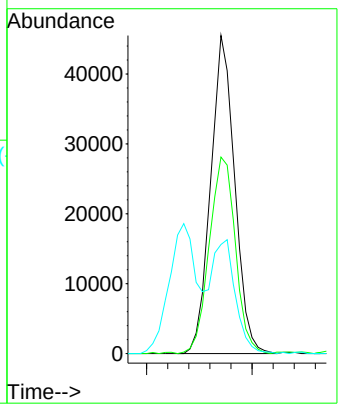
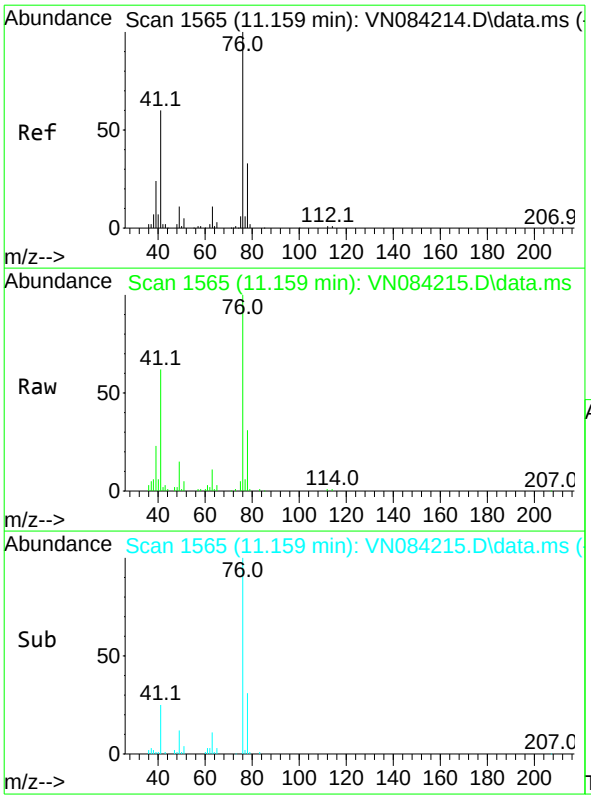


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 69 Resp: 72159

Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.3	79.9
39	36.6	28.8	43.2

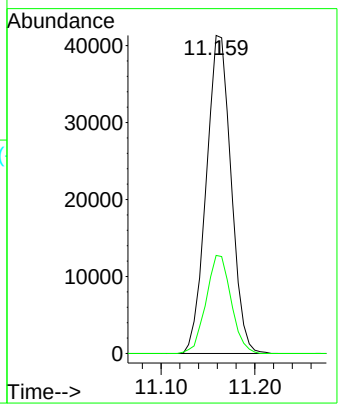




#57
1,3-Dichloropropane
Concen: 21.197 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 76 Resp: 75915

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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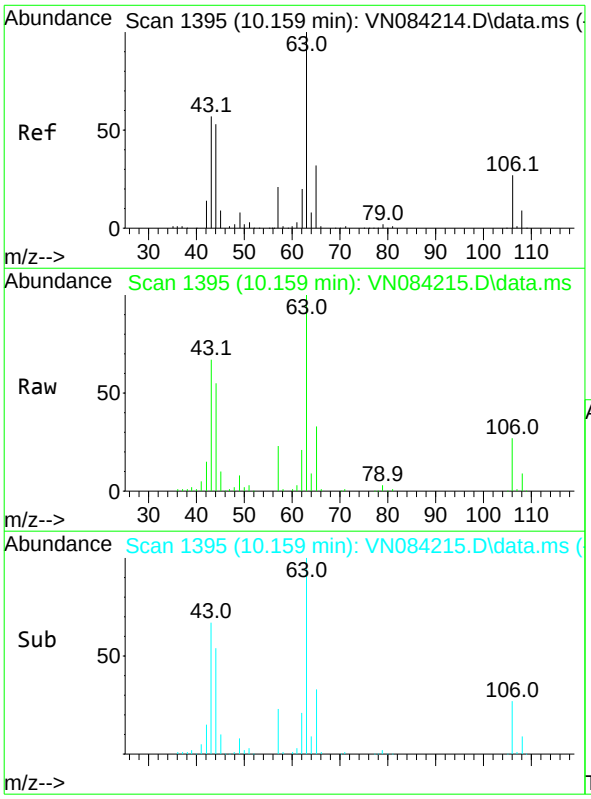
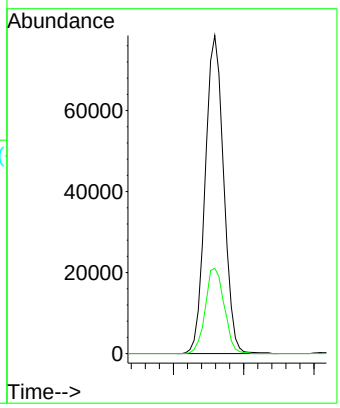
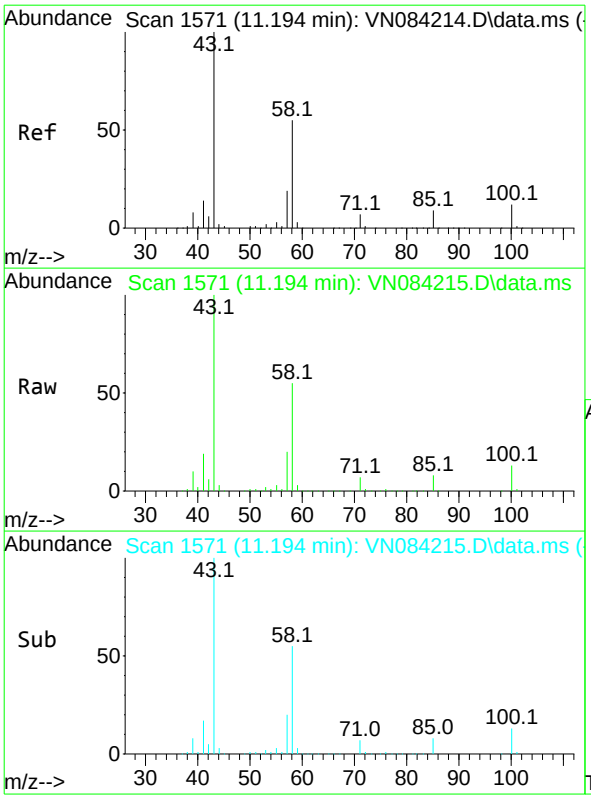


#58
2-Chloroethyl Vinyl ether
Concen: 93.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 142843

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6

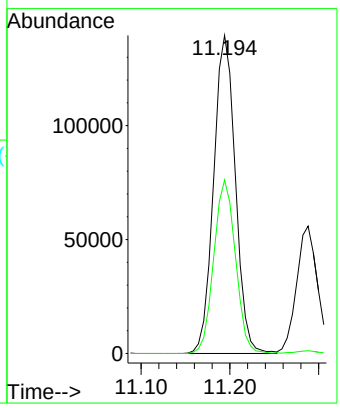




#59
2-Hexanone
Concen: 110.658 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 237694

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8



Instrument :
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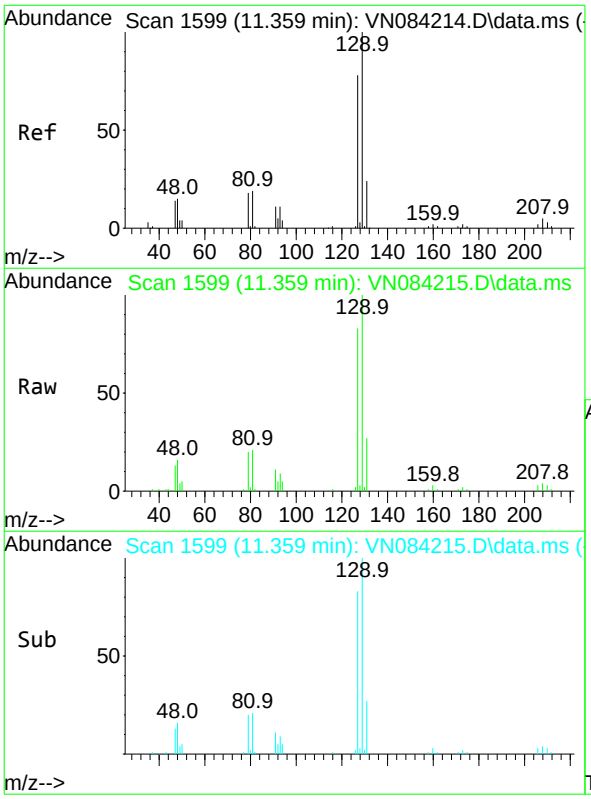
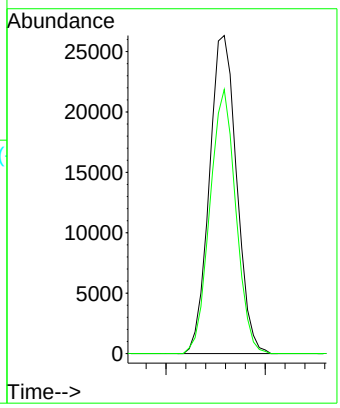
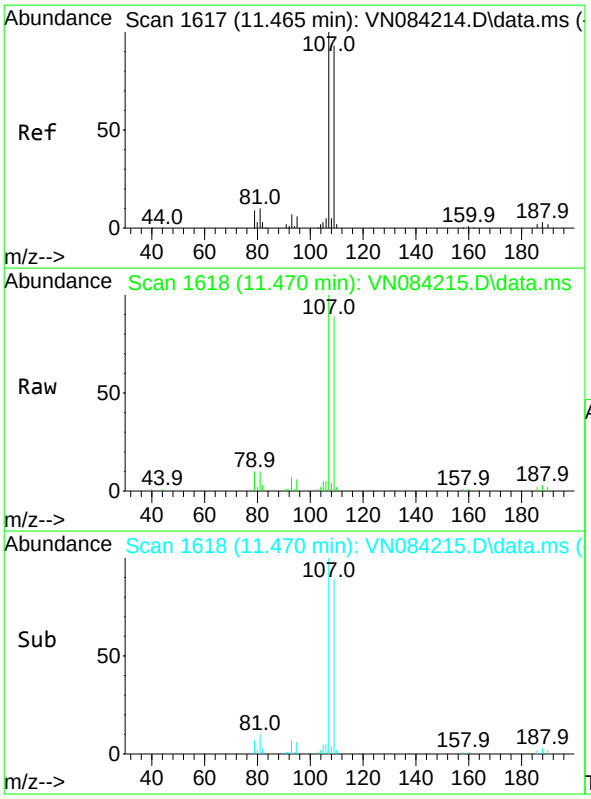


#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:129 Resp: 50326

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.9

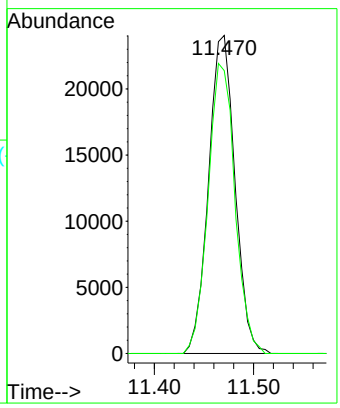




#61
1,2-Dibromoethane
Concen: 21.393 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:107 Resp: 44554

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



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ClientSampleId :
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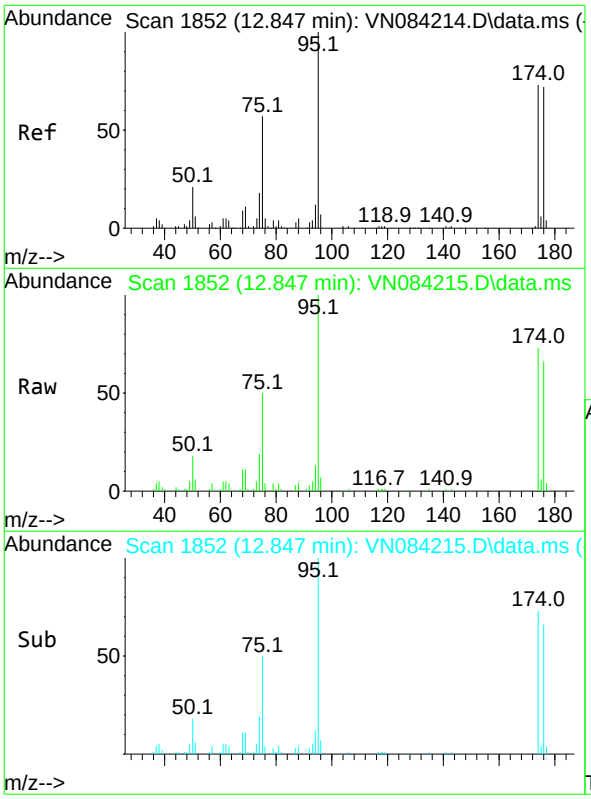
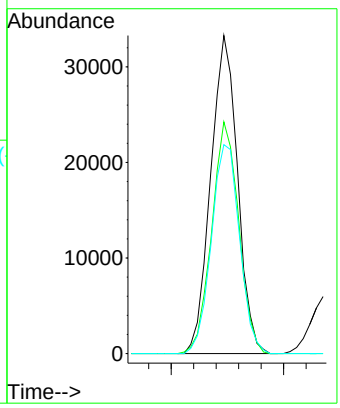
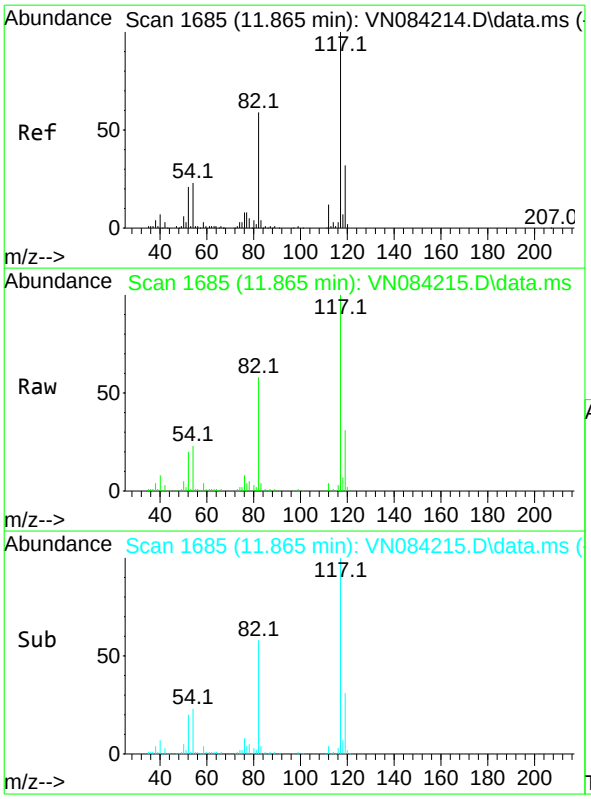


#62
4-Bromofluorobenzene
Concen: 20.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 95 Resp: 55201

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	68.9	0.0	140.0

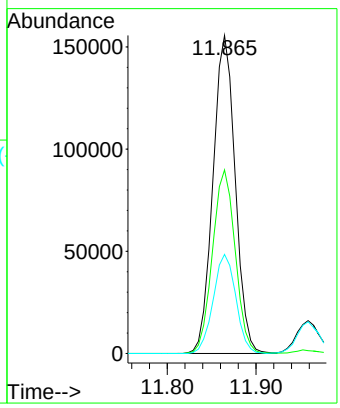




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 270754

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.2	25.4	38.0



Instrument :
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ClientSampleId :
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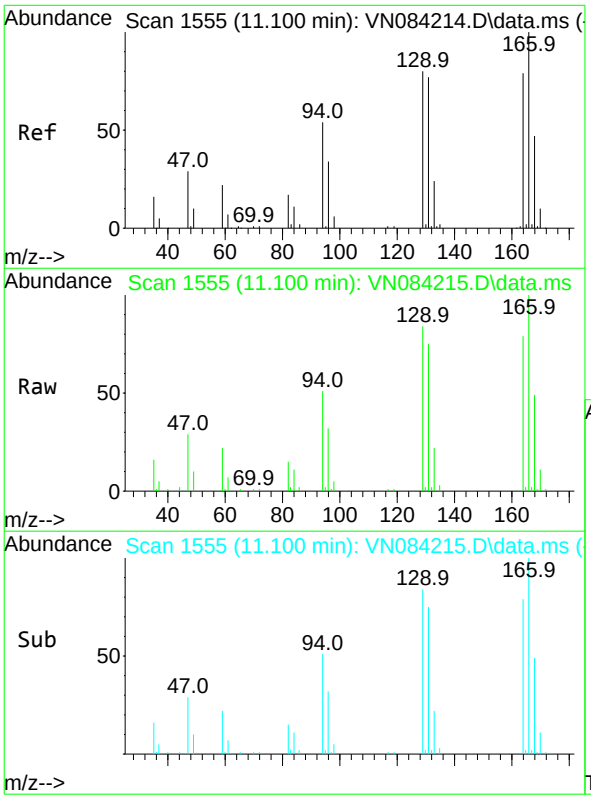
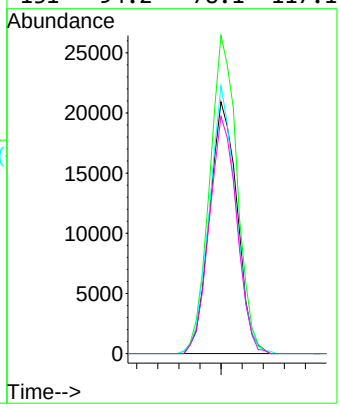
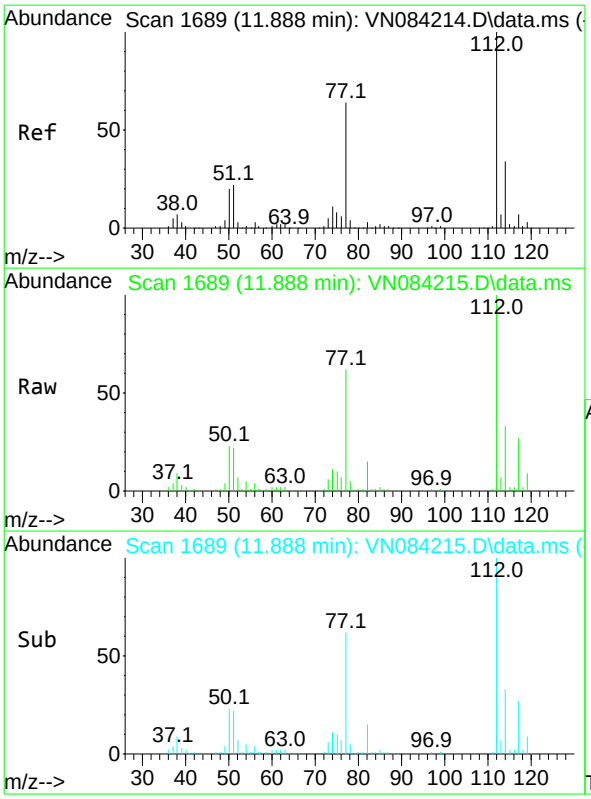


#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:164 Resp: 38055

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.0	151.4
129	106.4	80.8	121.2
131	94.2	78.1	117.1

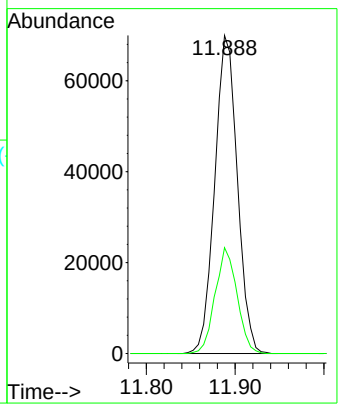




#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:112 Resp: 123787

Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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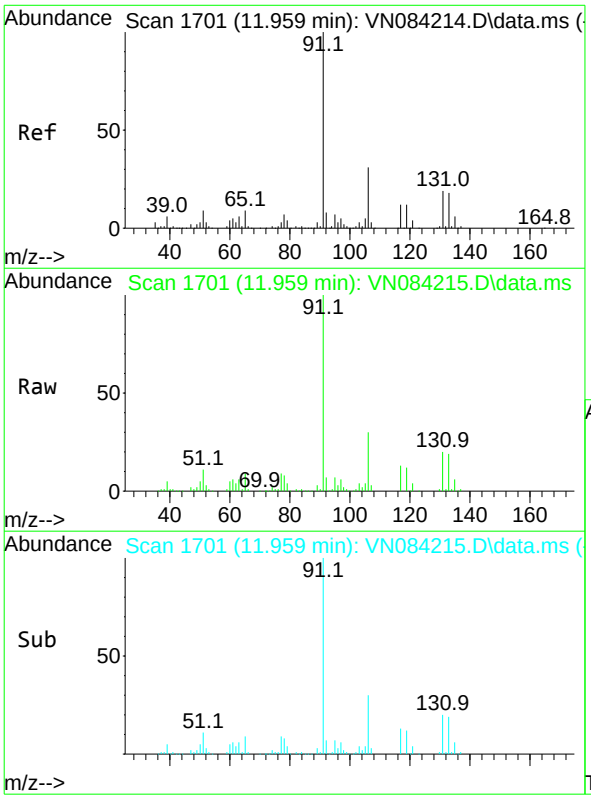
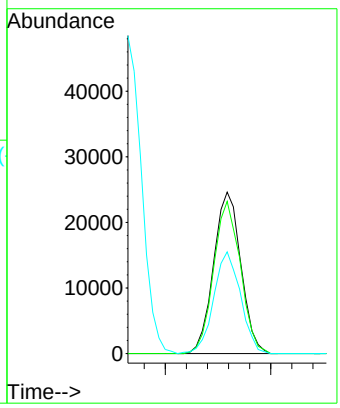
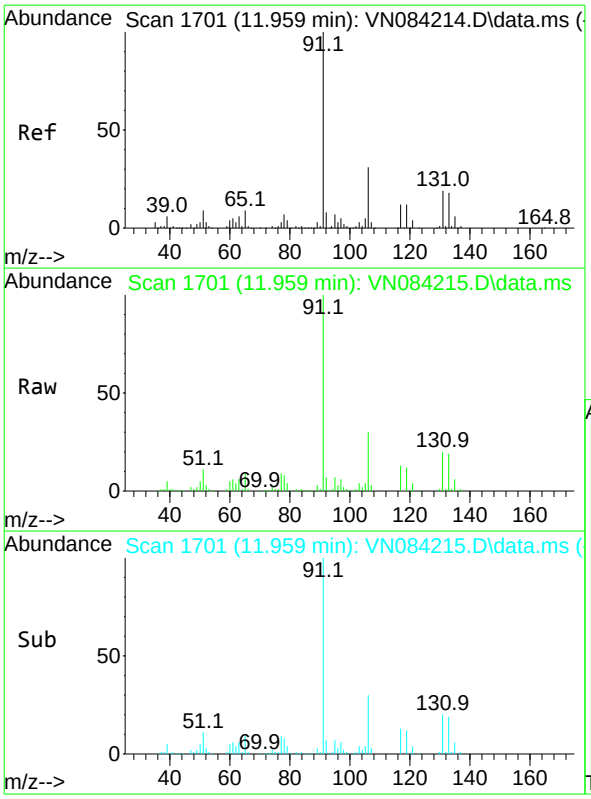


#66
1,1,1,2-Tetrachloroethane
Concen: 21.417 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:131 Resp: 44285

Ion	Ratio	Lower	Upper
131	100		
133	92.4	47.9	143.7
119	62.0	32.8	98.3

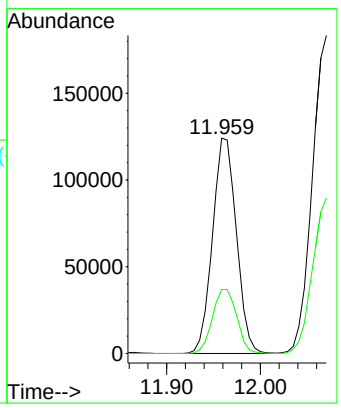




#67
Ethyl Benzene
Concen: 20.688 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 219635

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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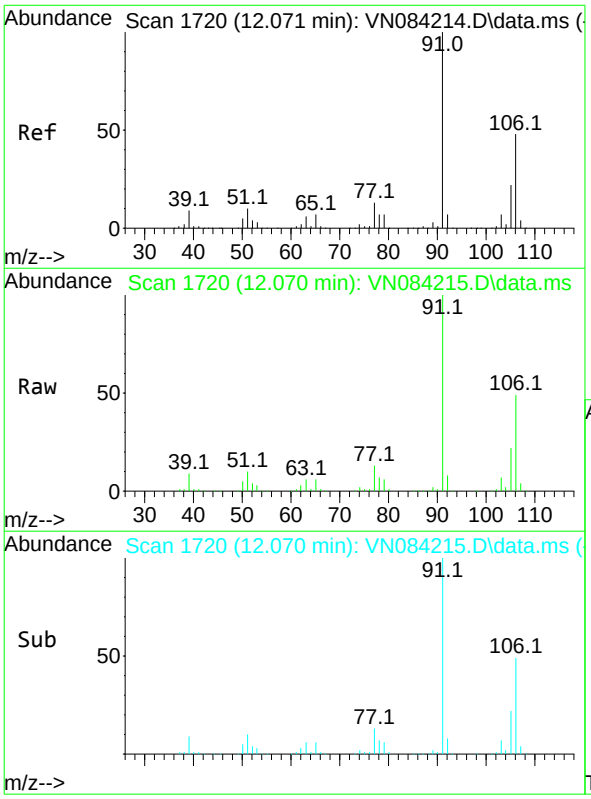
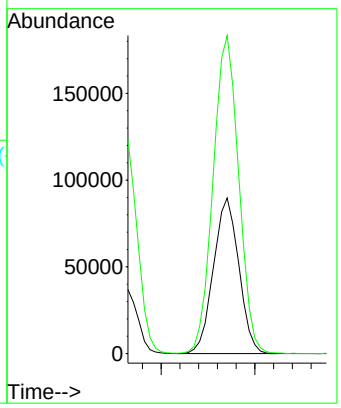
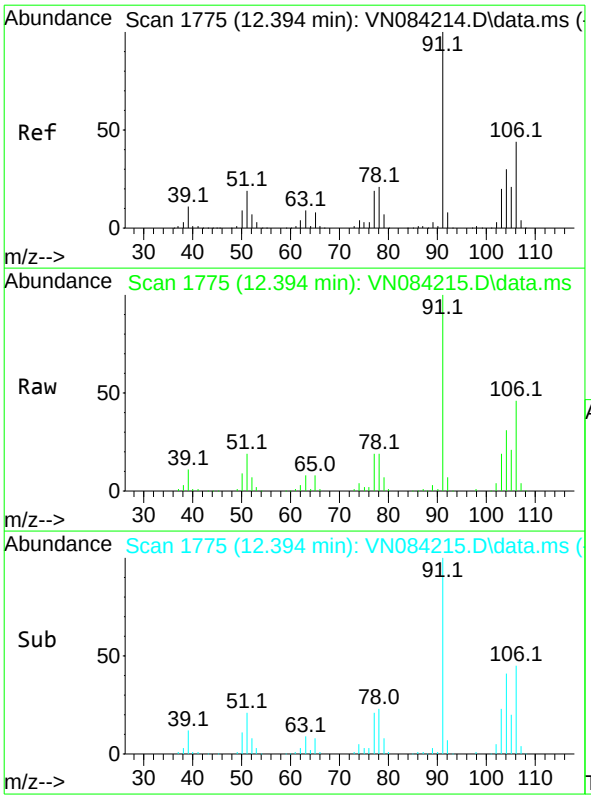


#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 168826

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.1	250.7

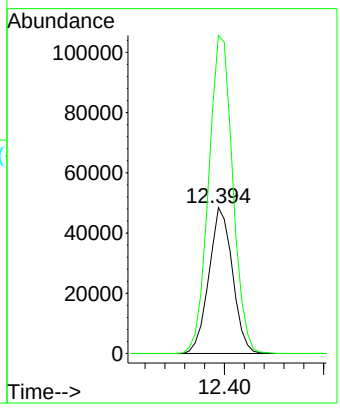




#69
o-Xylene
Concen: 21.503 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 79896

Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6



Instrument :
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ClientSampleId :
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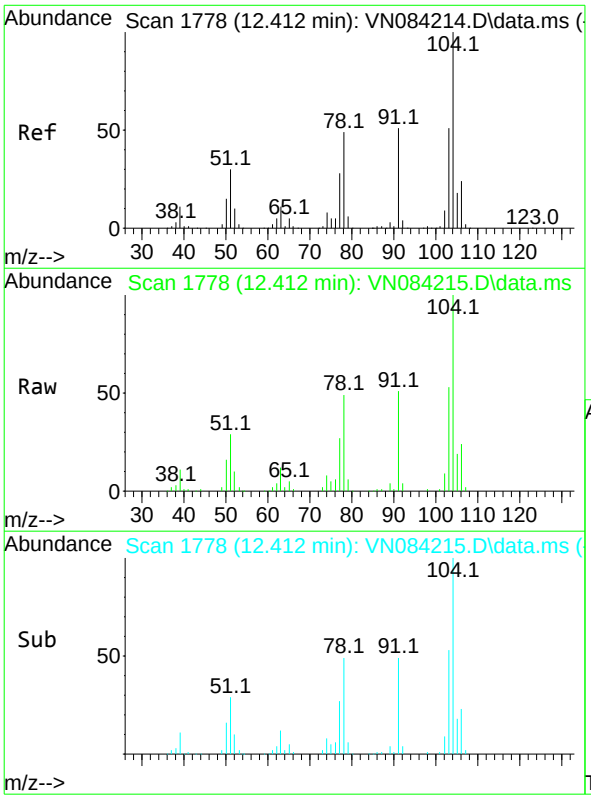
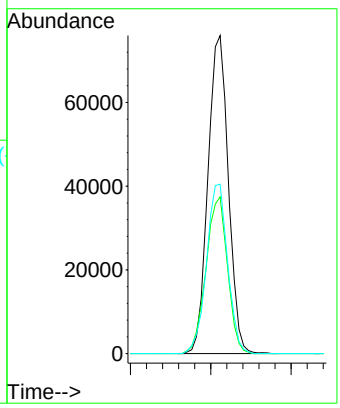
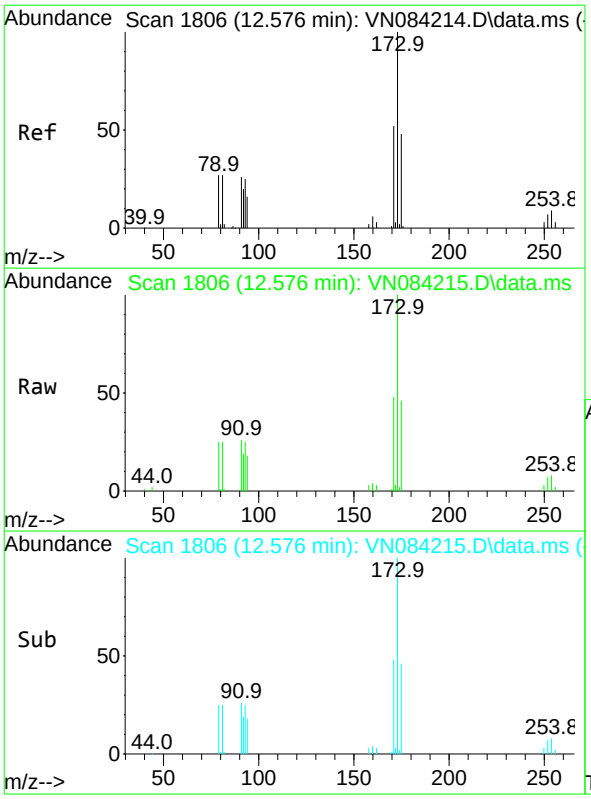


#70
Styrene
Concen: 21.302 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:104 Resp: 134066

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	55.2	43.6	65.4

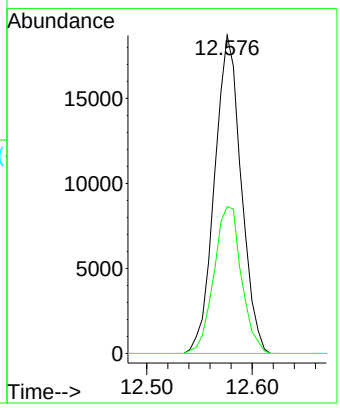




#71
Bromoform
Concen: 21.561 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:173 Resp: 32824

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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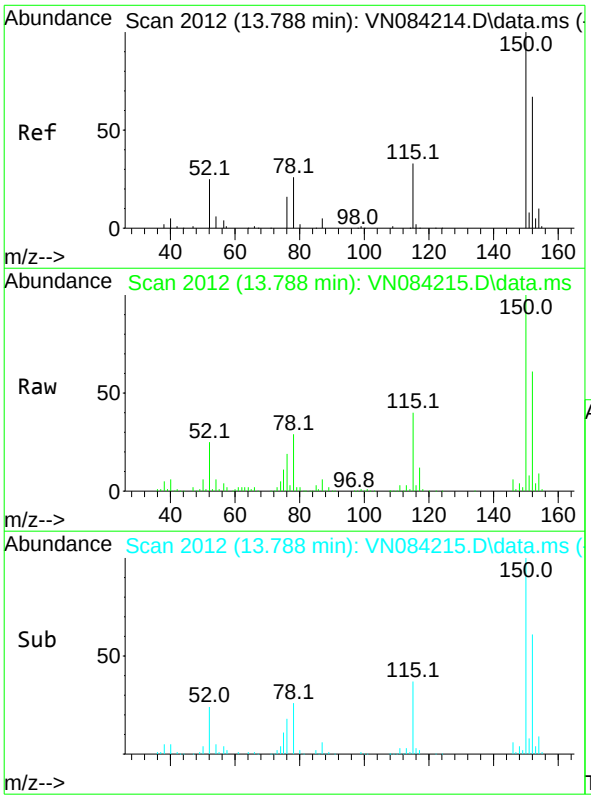
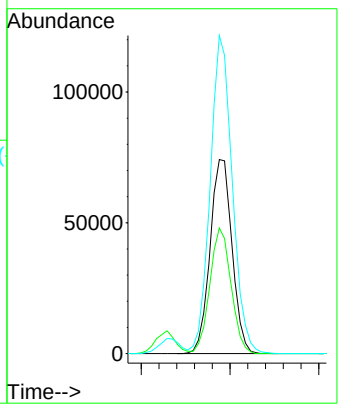
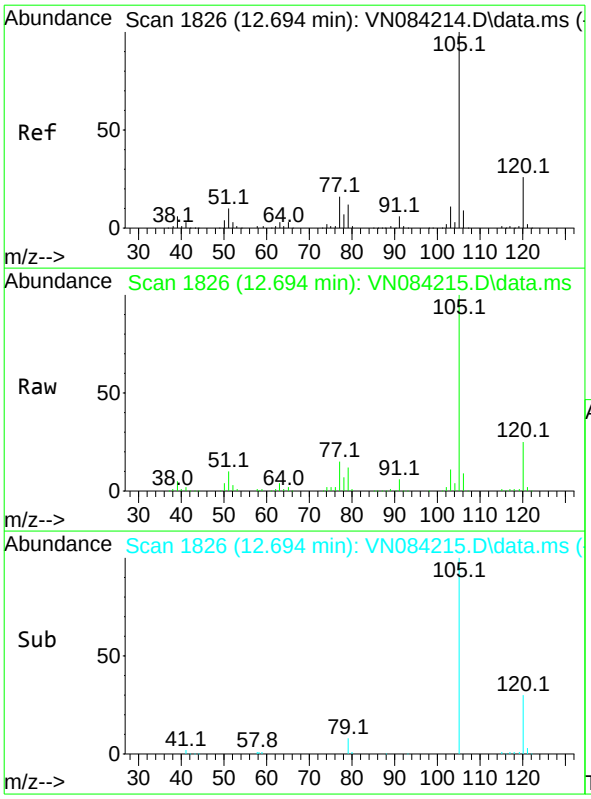


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:152 Resp: 127763

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	164.5	0.0	349.8

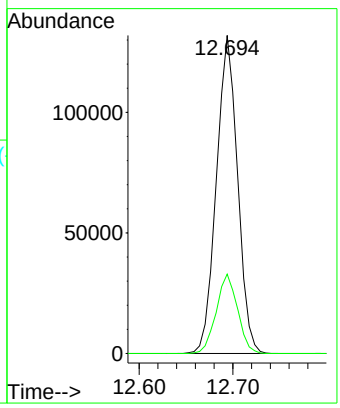




#73
Isopropylbenzene
Concen: 21.254 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 207217

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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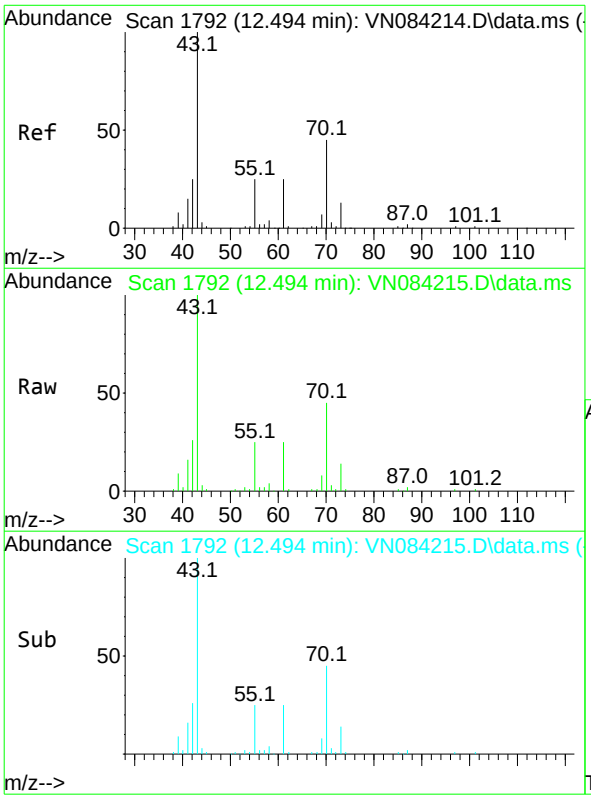
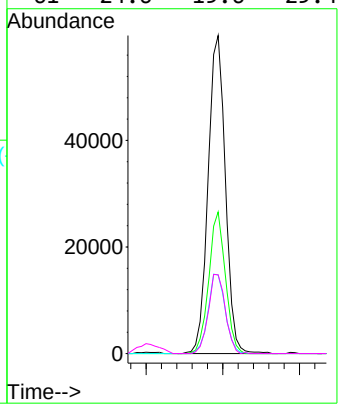
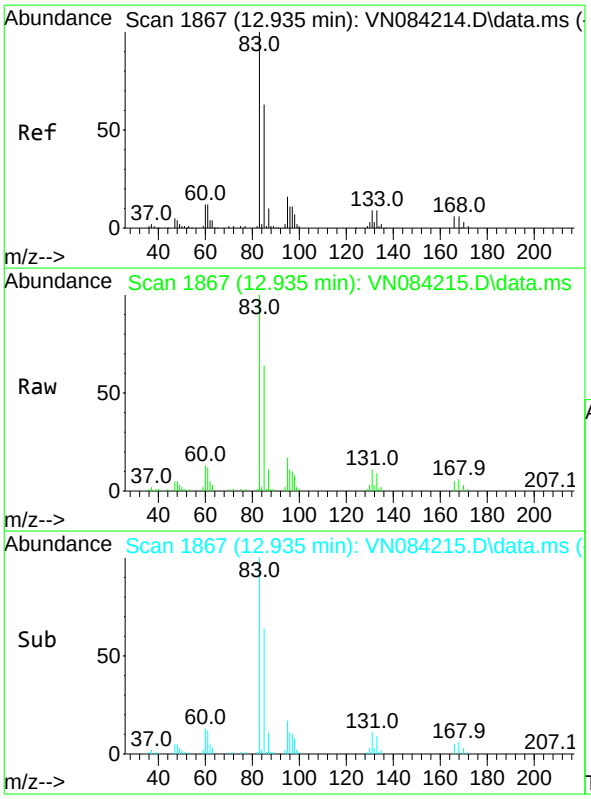


#74
N-amyl acetate
Concen: 21.154 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 93392

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	25.0	19.6	29.4
61	24.6	19.6	29.4

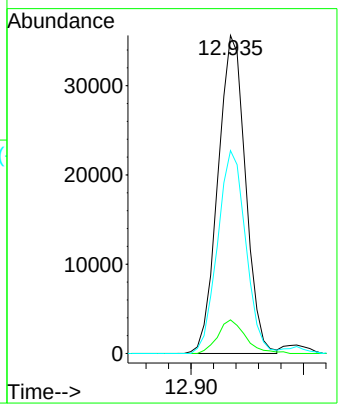




#75
1,1,2,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 60656

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	65.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 10/01/2024
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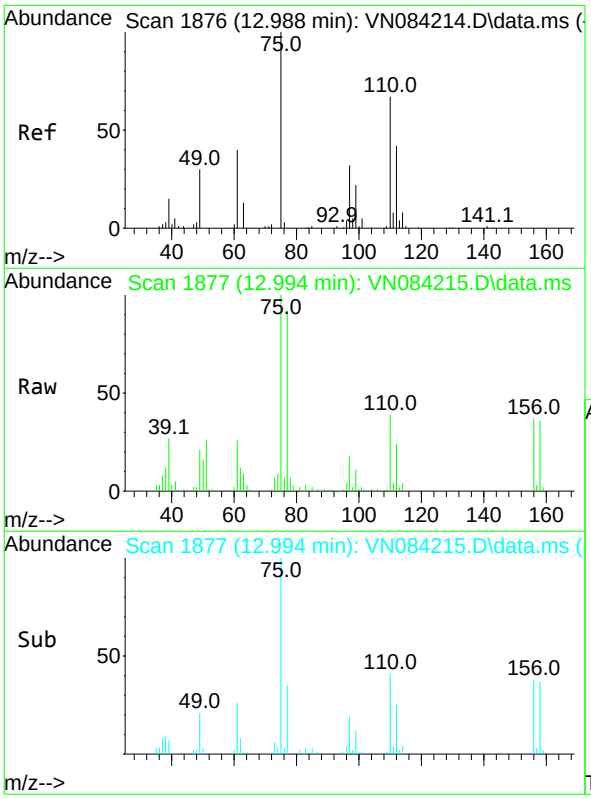
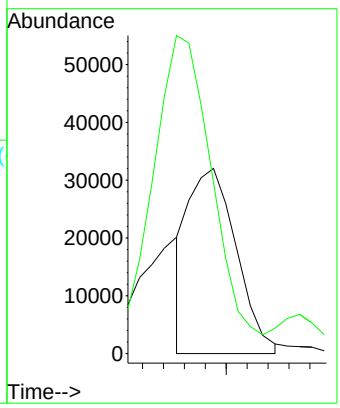
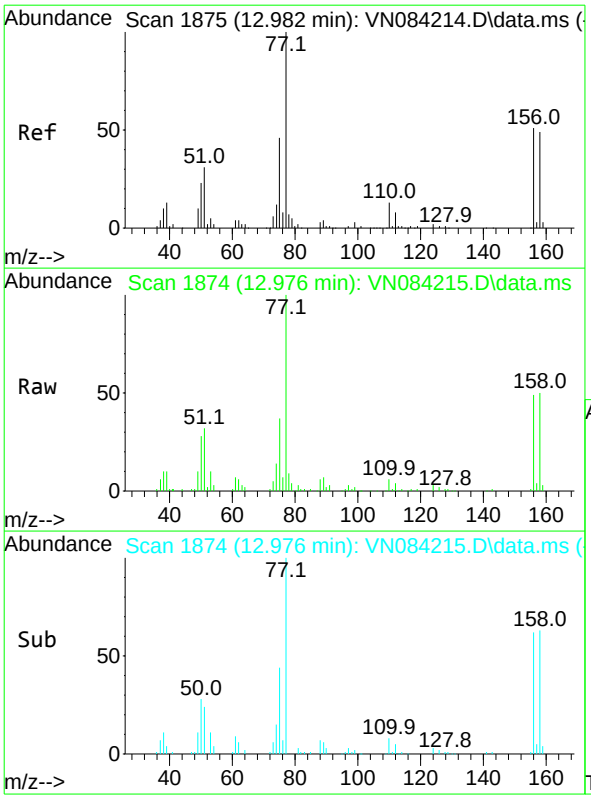


#76
1,2,3-Trichloropropane
Concen: 20.124 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 51246

Ion	Ratio	Lower	Upper
75	100		
77	216.2	96.9	290.7

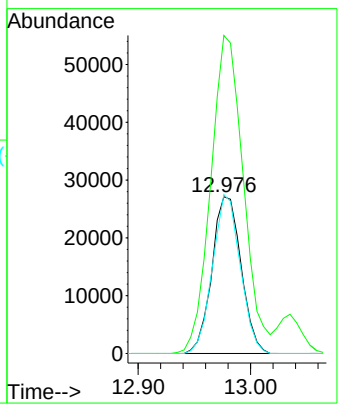




#77
Bromobenzene
Concen: 20.752 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:156 Resp: 48803

Ion	Ratio	Lower	Upper
156	100		
77	227.1	115.1	345.3
158	96.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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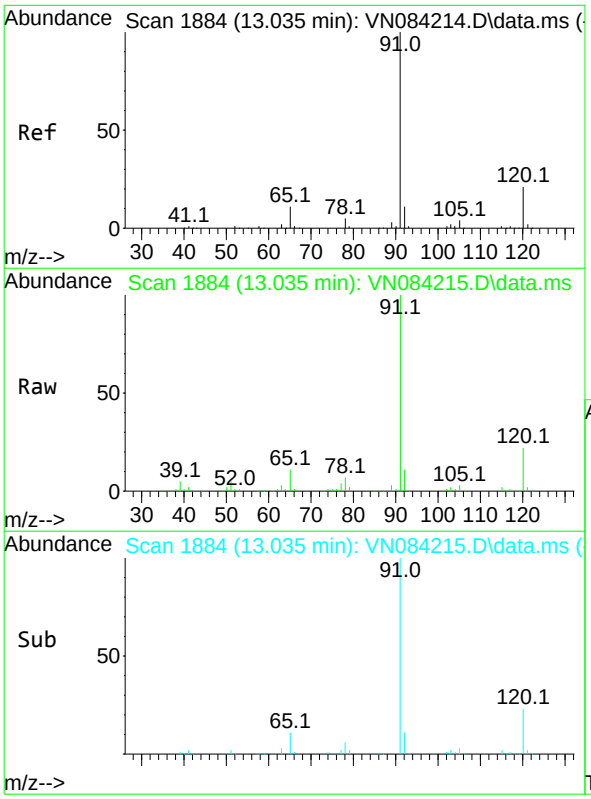
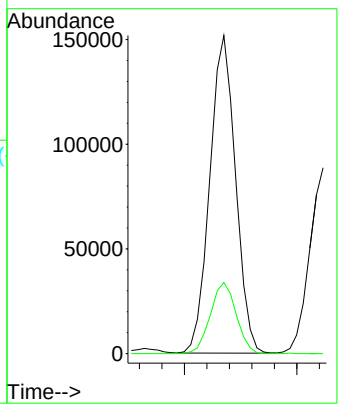
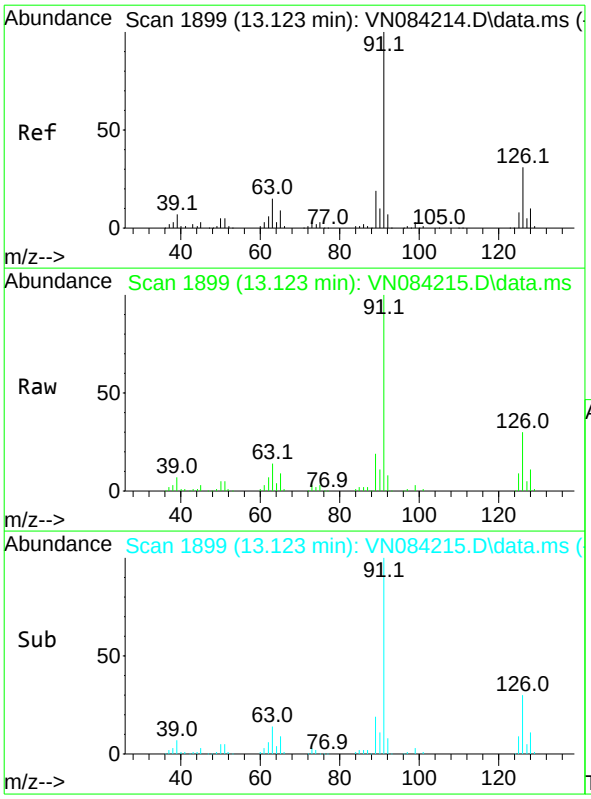


#78
n-propylbenzene
Concen: 21.350 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 241164

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

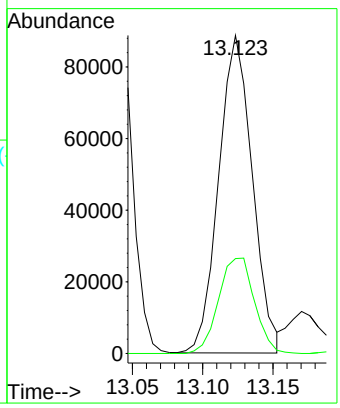




#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 147738

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
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ClientSampleId :
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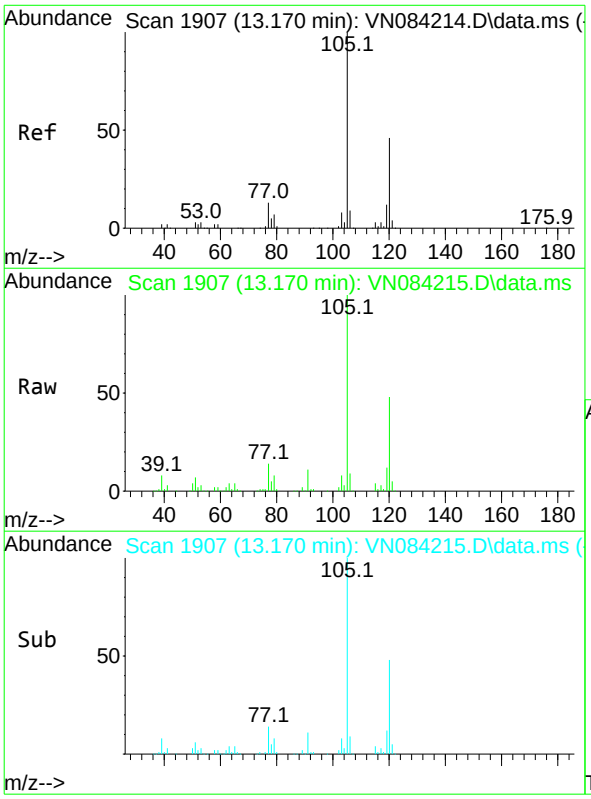
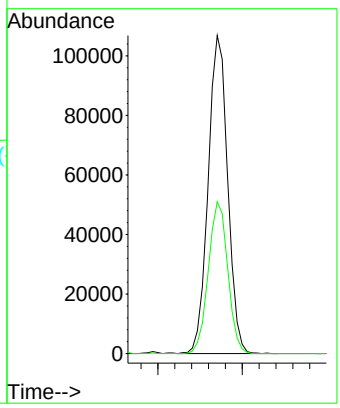
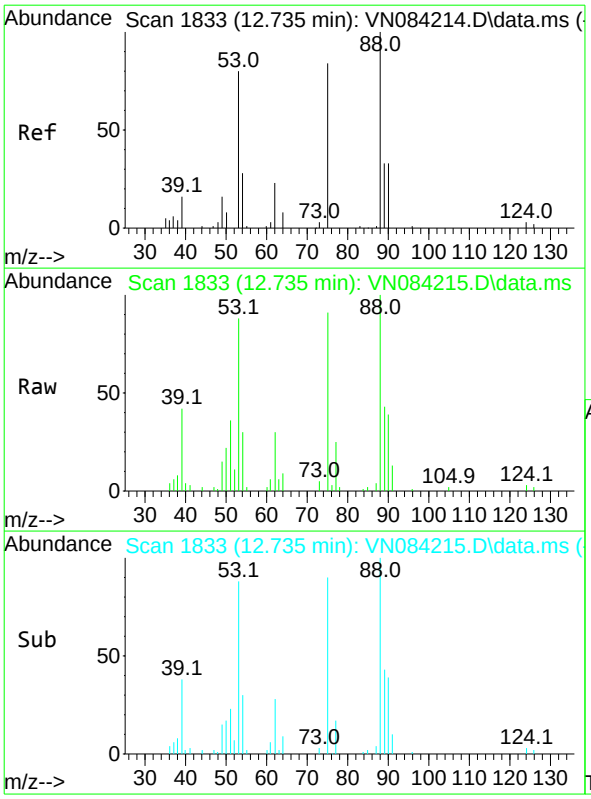


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 171600

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 20.426 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 22222

Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.0	117.0
89	48.1	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
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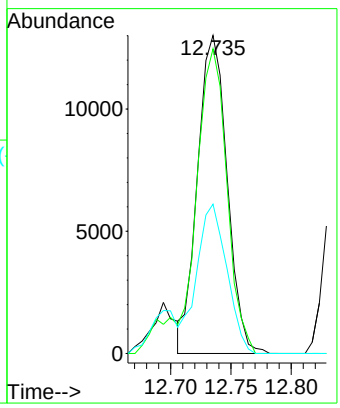
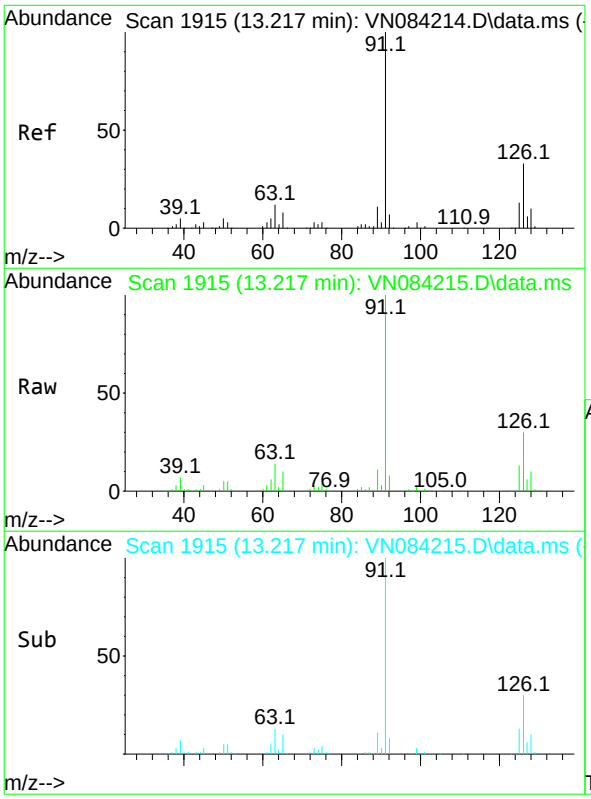
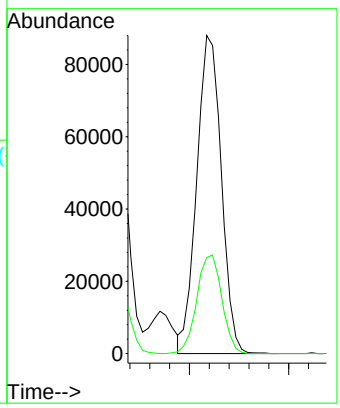


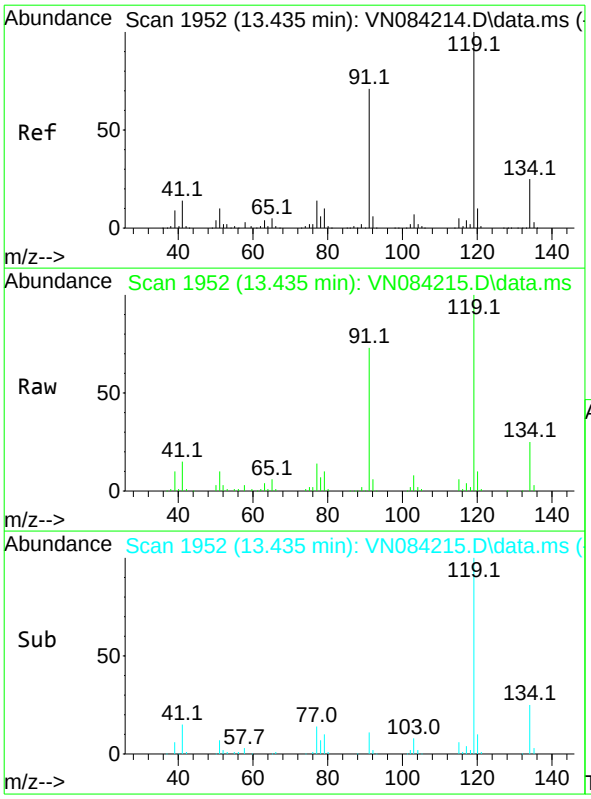


#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151387

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

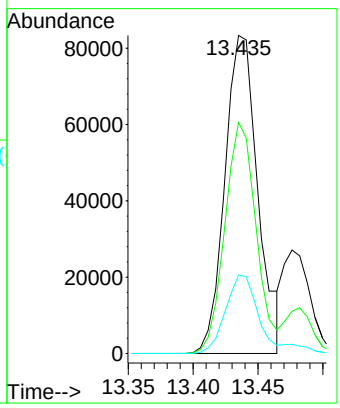




#83
tert-Butylbenzene
Concen: 20.899 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:119 Resp: 147727

Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	25.9	12.8	38.4



Instrument :
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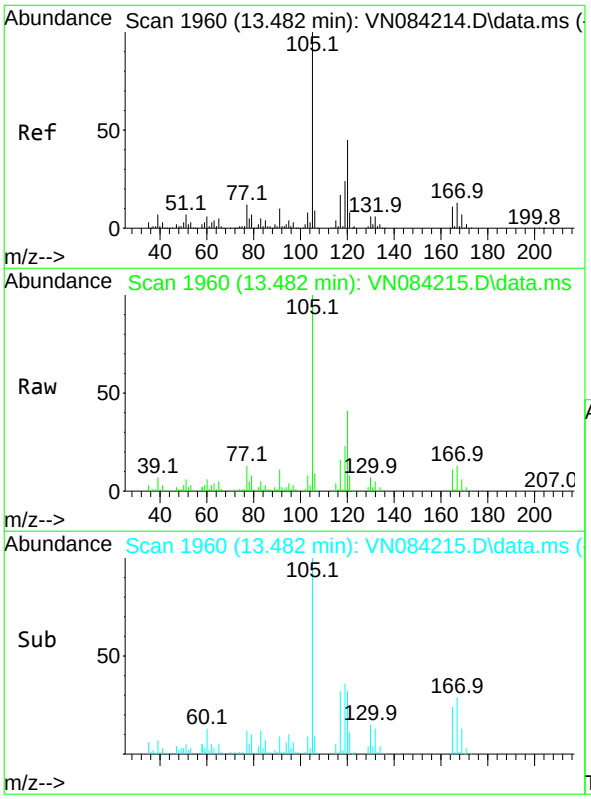
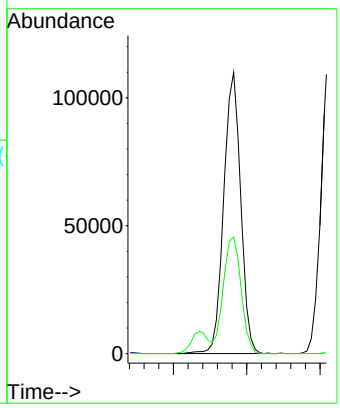
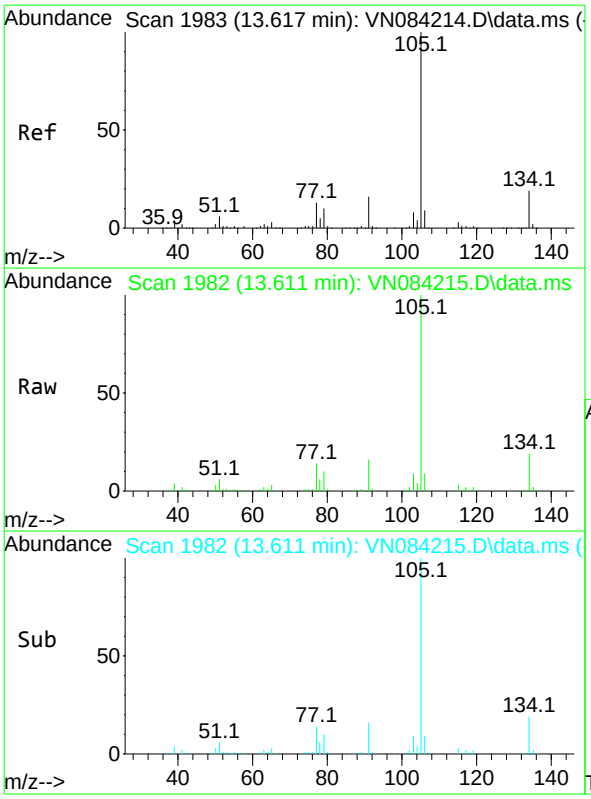


#84
1,2,4-Trimethylbenzene
Concen: 22.004 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 176283

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8

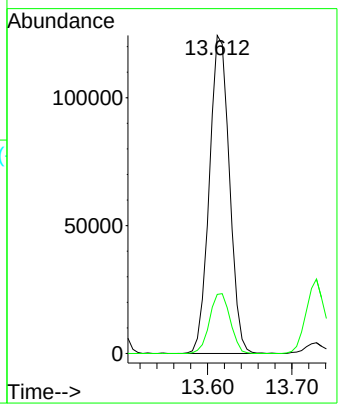




#85
sec-Butylbenzene
Concen: 21.784 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 205477

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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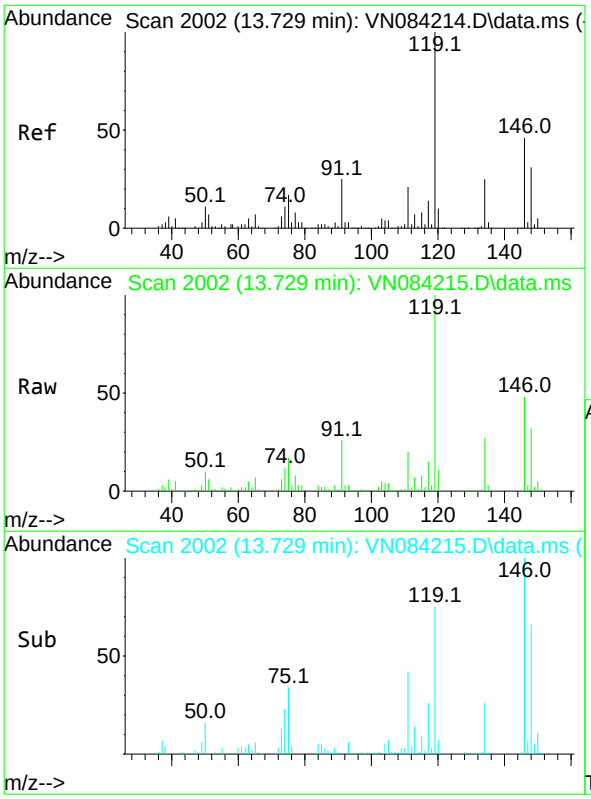
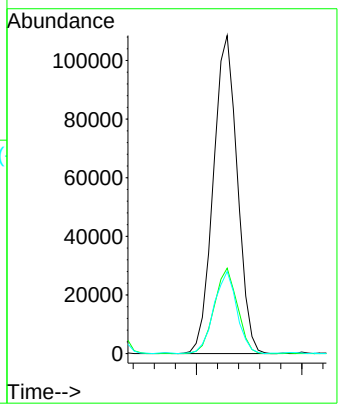
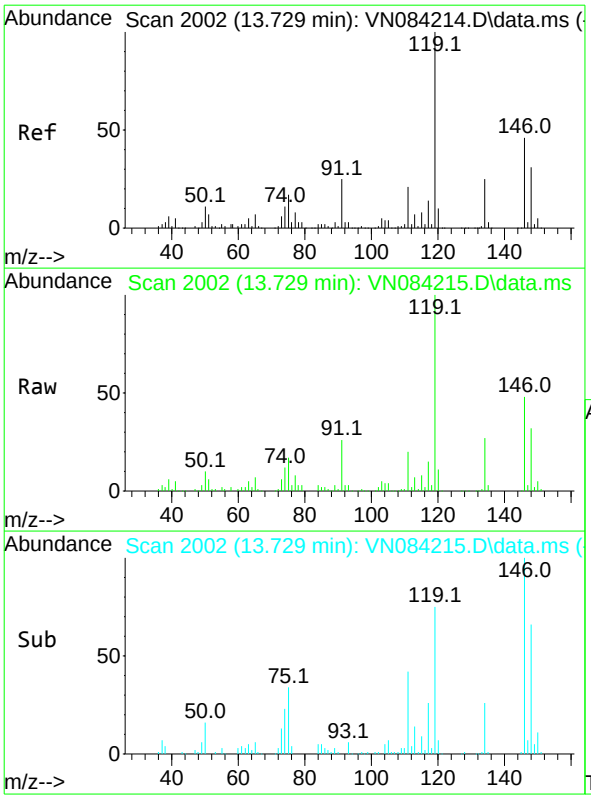


#86
p-Isopropyltoluene
Concen: 22.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:119 Resp: 171766

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.7	12.4	37.2

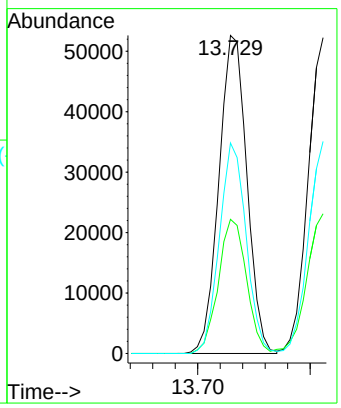




#87
1,3-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 90970

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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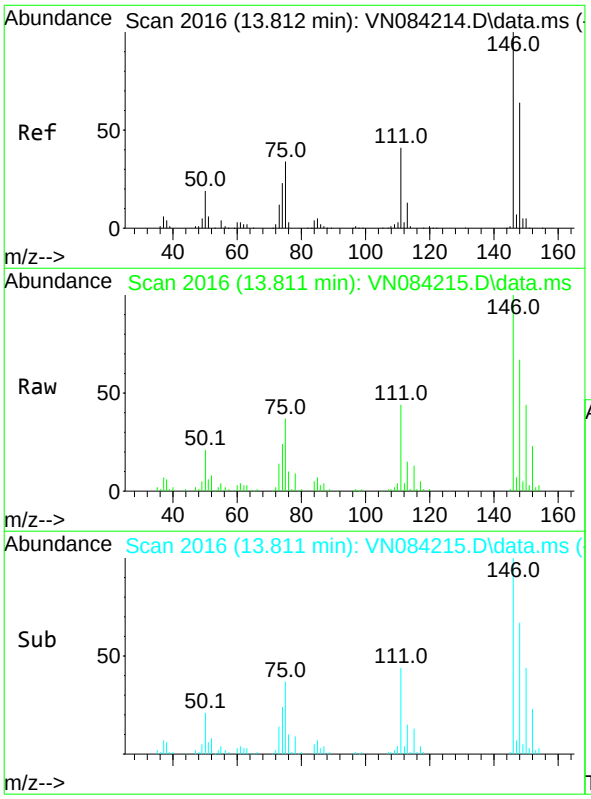
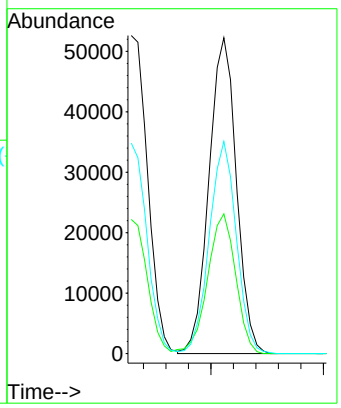
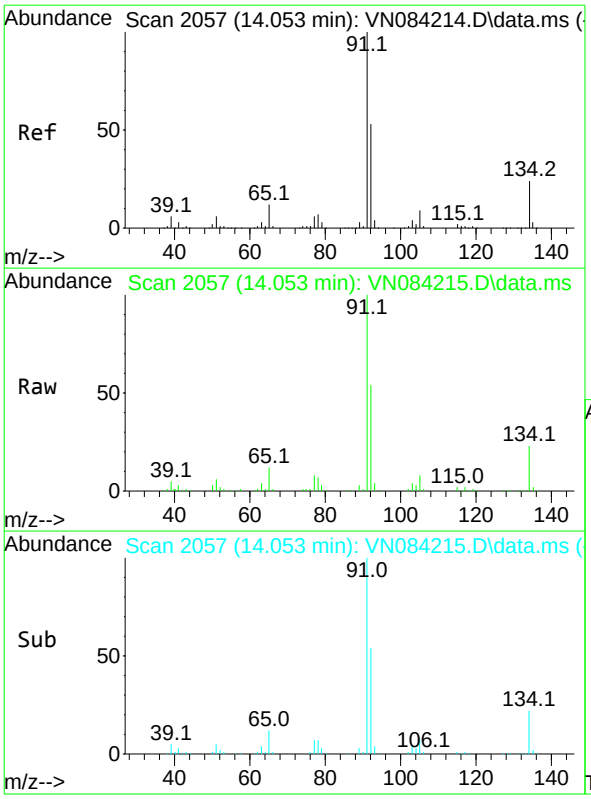


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 88628

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	66.2	31.9	95.9

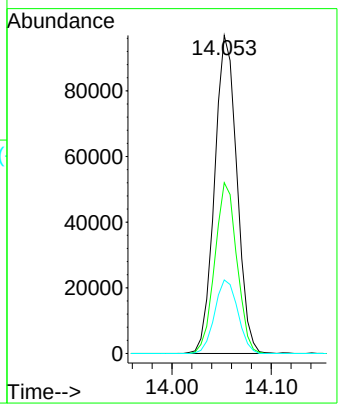




#89
n-Butylbenzene
Concen: 21.398 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151334

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	23.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
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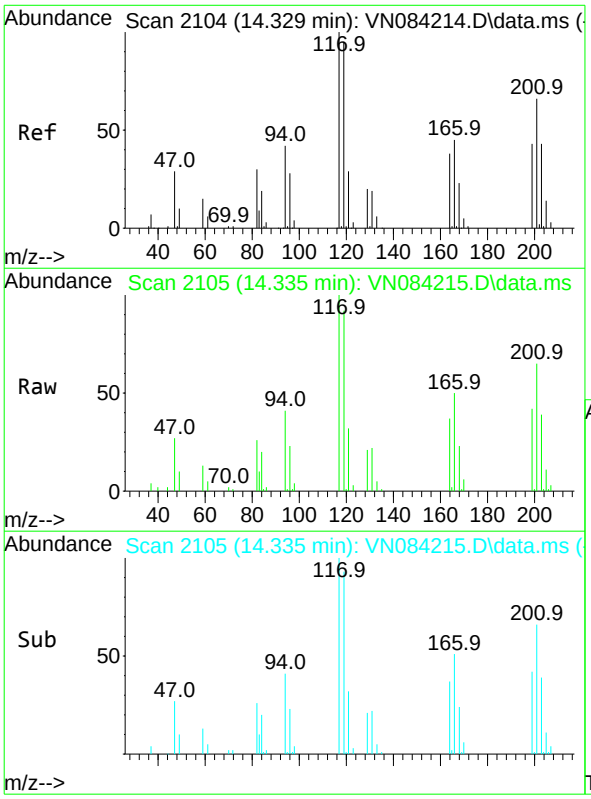
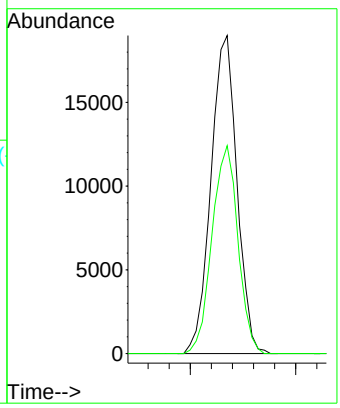
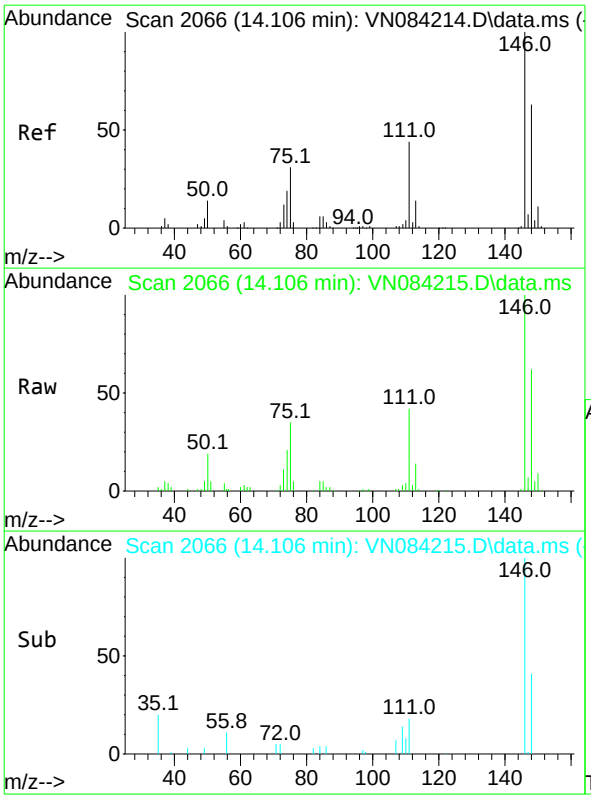


#90
Hexachloroethane
Concen: 20.562 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 32554

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2

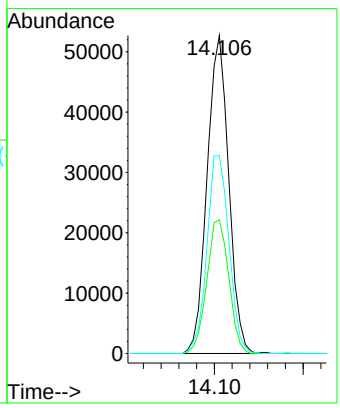




#91
1,2-Dichlorobenzene
Concen: 20.560 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 88942

Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.0	66.0
148	63.6	32.1	96.3



Instrument :
MSVOA_N
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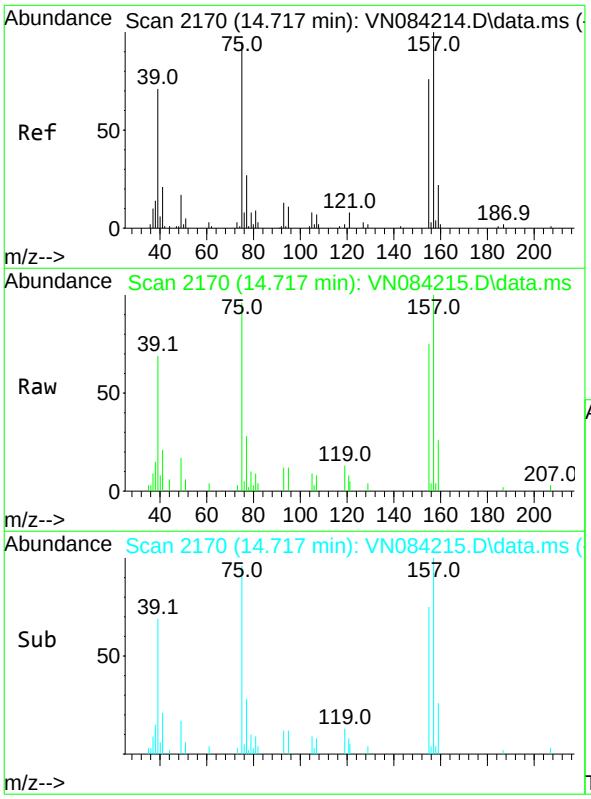
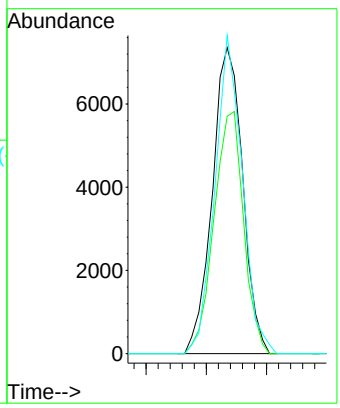
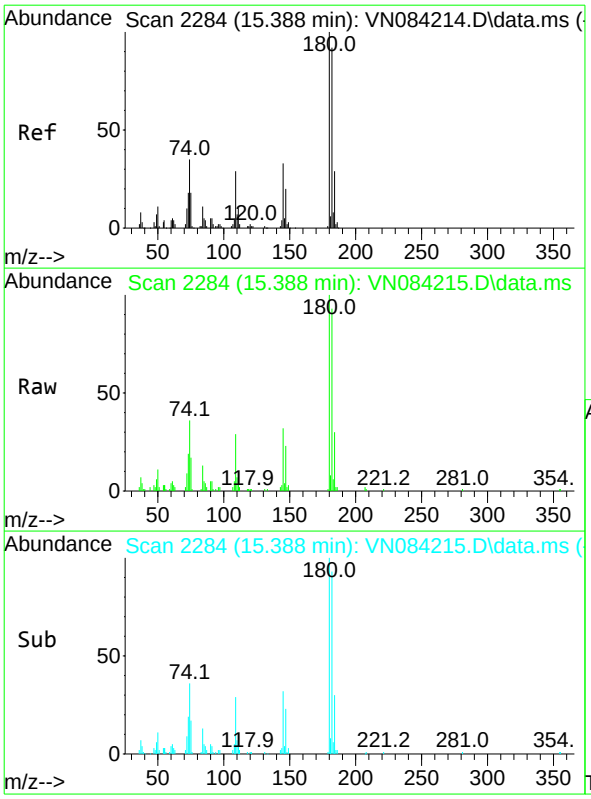


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.347 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 12914

Ion	Ratio	Lower	Upper
75	100		
155	76.9	38.1	114.5
157	93.4	49.6	149.0

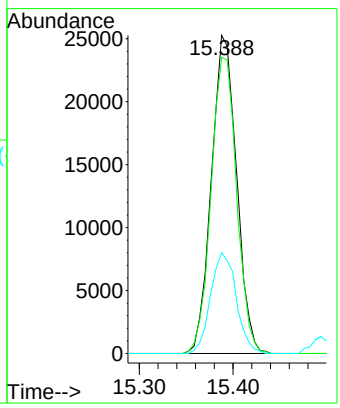




#93
1,2,4-Trichlorobenzene
Concen: 22.128 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:180 Resp: 47149

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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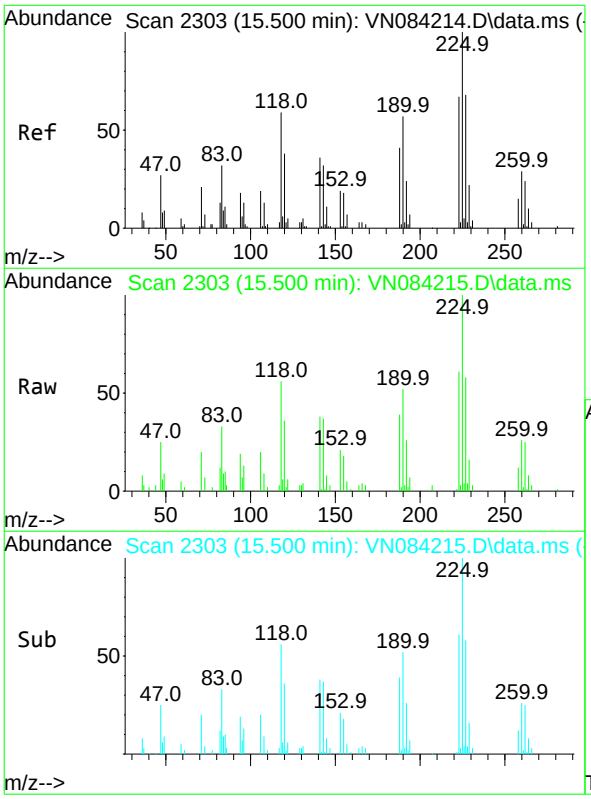
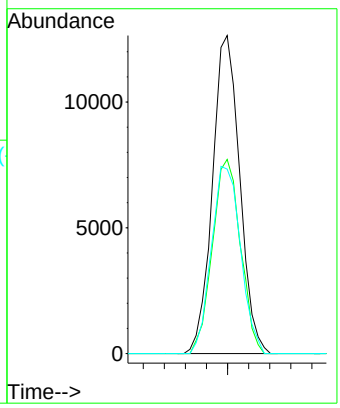
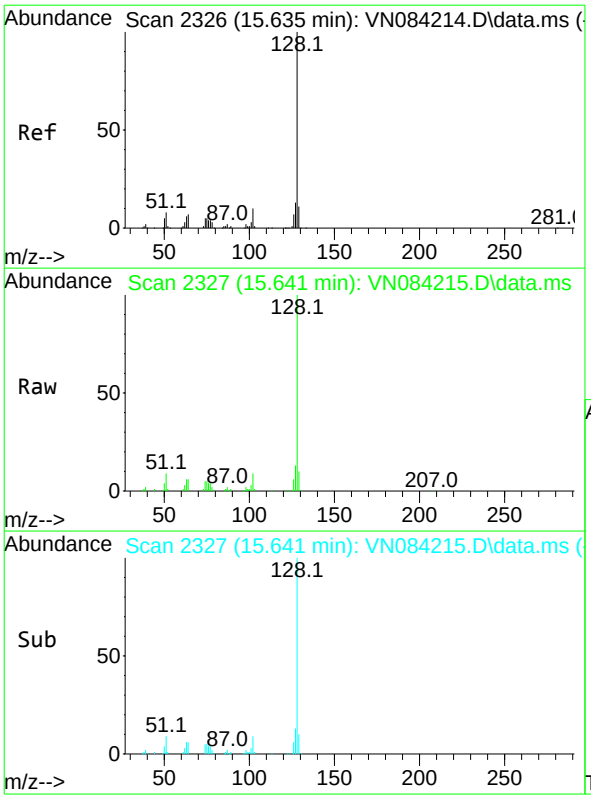


#94
Hexachlorobutadiene
Concen: 21.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:225 Resp: 22742

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	62.7	32.4	97.0

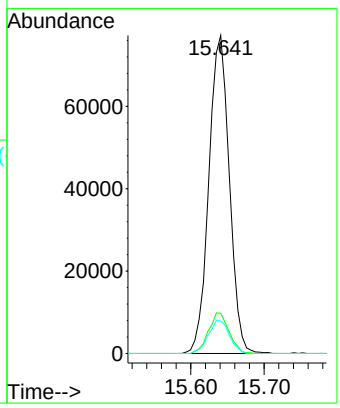




#95
Naphthalene
Concen: 21.233 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:128 Resp: 149988

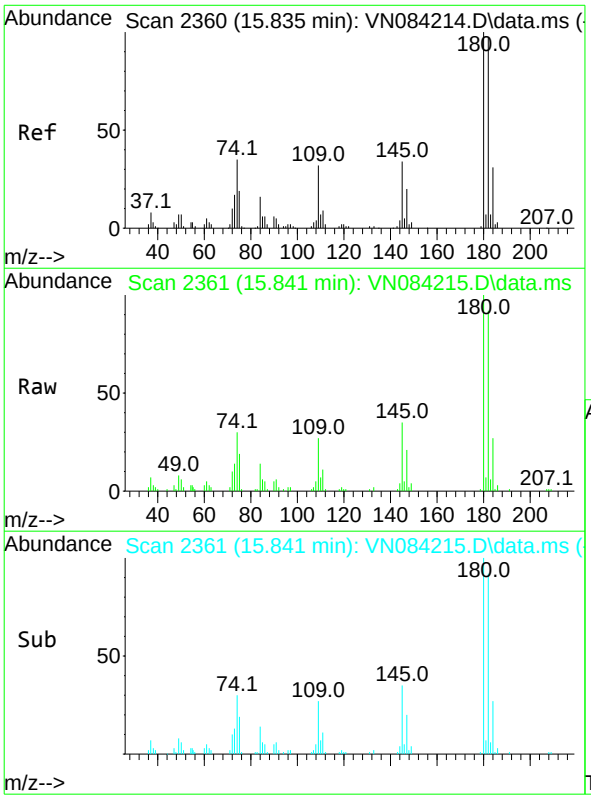
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

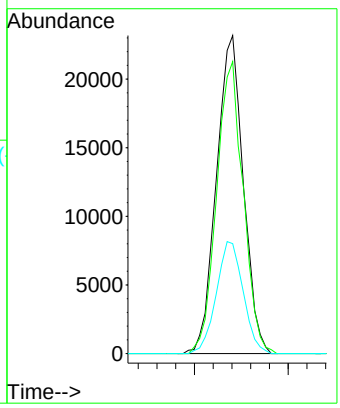
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 21.639 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:180 Resp: 46153

Ion	Ratio	Lower	Upper
180	100		
182	90.7	48.2	144.6
145	35.1	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	25083	9.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 19.200%#			
35) Dibromofluoromethane	8.165	113	19289	9.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.180%#			
50) Toluene-d8	10.565	98	70000	9.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 18.920%#			
62) 4-Bromofluorobenzene	12.847	95	24756	9.186	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 18.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	19806	9.501	ug/l	96
3) Chloromethane	2.359	50	22840	9.595	ug/l	97
4) Vinyl Chloride	2.518	62	22584	9.795	ug/l	97
5) Bromomethane	2.965	94	14957	9.835	ug/l	96
6) Chloroethane	3.124	64	15254	9.238	ug/l	89
7) Trichlorofluoromethane	3.494	101	33820	9.420	ug/l	99
8) Diethyl Ether	3.965	74	12422	9.328	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	18747	9.113	ug/l	98
10) Methyl Iodide	4.594	142	24268	9.160	ug/l	96
11) Tert butyl alcohol	5.512	59	20490	47.553	ug/l #	86
12) 1,1-Dichloroethene	4.341	96	18798	9.473	ug/l	86
13) Acrolein	4.183	56	22976	46.448	ug/l	98
14) Allyl chloride	5.024	41	31571	9.161	ug/l	98
15) Acrylonitrile	5.718	53	52809	48.533	ug/l	99
16) Acetone	4.424	43	52518	46.785	ug/l	96
17) Carbon Disulfide	4.718	76	58158	9.257	ug/l	99
18) Methyl Acetate	5.024	43	24366	9.959	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	63531	9.486	ug/l	94
20) Methylene Chloride	5.277	84	21801	9.554	ug/l	87
21) trans-1,2-Dichloroethene	5.788	96	20107	9.672	ug/l	85
22) Diisopropyl ether	6.671	45	66959	9.393	ug/l	97
23) Vinyl Acetate	6.606	43	248594	46.769	ug/l	98
24) 1,1-Dichloroethane	6.571	63	38215	9.586	ug/l	99
25) 2-Butanone	7.482	43	73877	48.320	ug/l	99
26) 2,2-Dichloropropane	7.488	77	34655	9.641	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	23095	9.193	ug/l	98
28) Bromochloromethane	7.812	49	14904	8.379	ug/l	100
29) Tetrahydrofuran	7.835	42	46917	49.725	ug/l	99
30) Chloroform	7.965	83	39355	9.504	ug/l	90
31) Cyclohexane	8.253	56	36916	9.538	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	35869	9.645	ug/l #	87
36) 1,1-Dichloropropene	8.377	75	28525	9.767	ug/l	99
37) Ethyl Acetate	7.565	43	29754	9.931	ug/l #	81
38) Carbon Tetrachloride	8.365	117	30964	9.665	ug/l	92
39) Methylcyclohexane	9.600	83	30932	9.516	ug/l	95
40) Benzene	8.606	78	86029	9.454	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	15332	9.426	ug/l		97
42) 1,2-Dichloroethane	8.671	62	30402	9.855	ug/l		97
43) Isopropyl Acetate	8.688	43	52246	8.906	ug/l		99
44) Trichloroethene	9.347	130	20092	9.454	ug/l		99
45) 1,2-Dichloropropane	9.618	63	20703	9.618	ug/l		96
46) Dibromomethane	9.706	93	13770	9.479	ug/l		95
47) Bromodichloromethane	9.888	83	30289	9.385	ug/l	#	98
48) Methyl methacrylate	9.682	41	22612	9.679	ug/l		98
49) 1,4-Dioxane	9.694	88	8627	200.587	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.441	43	142632	50.007	ug/l		99
52) Toluene	10.629	92	52537	9.468	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	31555	9.592	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	34684	9.802	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	19245	9.675	ug/l		97
56) Ethyl methacrylate	10.870	69	31262	9.551	ug/l		97
57) 1,3-Dichloropropane	11.165	76	33613	9.457	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	71035	46.784	ug/l		99
59) 2-Hexanone	11.194	43	103615	48.604	ug/l		100
60) Dibromochloromethane	11.359	129	22833	9.715	ug/l		99
61) 1,2-Dibromoethane	11.470	107	19220	9.299	ug/l		95
64) Tetrachloroethene	11.100	164	17743	9.711	ug/l		97
65) Chlorobenzene	11.894	112	56099	9.645	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	19227	9.597	ug/l		97
67) Ethyl Benzene	11.964	91	96533	9.385	ug/l		97
68) m/p-Xylenes	12.070	106	72910	19.162	ug/l		100
69) o-Xylene	12.394	106	34965	9.713	ug/l		100
70) Styrene	12.412	104	58367	9.572	ug/l		99
71) Bromoform	12.576	173	13618	9.233	ug/l	#	96
73) Isopropylbenzene	12.694	105	88000	9.638	ug/l		99
74) N-amyl acetate	12.494	43	40801	9.868	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	26966	9.822	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	23907m	10.024	ug/l		
77) Bromobenzene	12.982	156	21439	9.734	ug/l		99
78) n-propylbenzene	13.035	91	105334	9.957	ug/l		99
79) 2-Chlorotoluene	13.123	91	65511	9.704	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	73637	9.887	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	10237	10.047	ug/l		94
82) 4-Chlorotoluene	13.223	91	66449	9.778	ug/l		99
83) tert-Butylbenzene	13.435	119	64152	9.691	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	74245	9.895	ug/l		99
85) sec-Butylbenzene	13.611	105	88913	10.065	ug/l		100
86) p-Isopropyltoluene	13.729	119	71675	9.812	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	39402	9.536	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	39191	9.392	ug/l		97
89) n-Butylbenzene	14.053	91	61422	9.273	ug/l		99
90) Hexachloroethane	14.335	117	14560	9.820	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	38594	9.526	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5799	10.235	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	18960	9.501	ug/l		99
94) Hexachlorobutadiene	15.500	225	9592	9.638	ug/l		95
95) Naphthalene	15.635	128	63596	9.613	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	19629	9.826	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

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

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

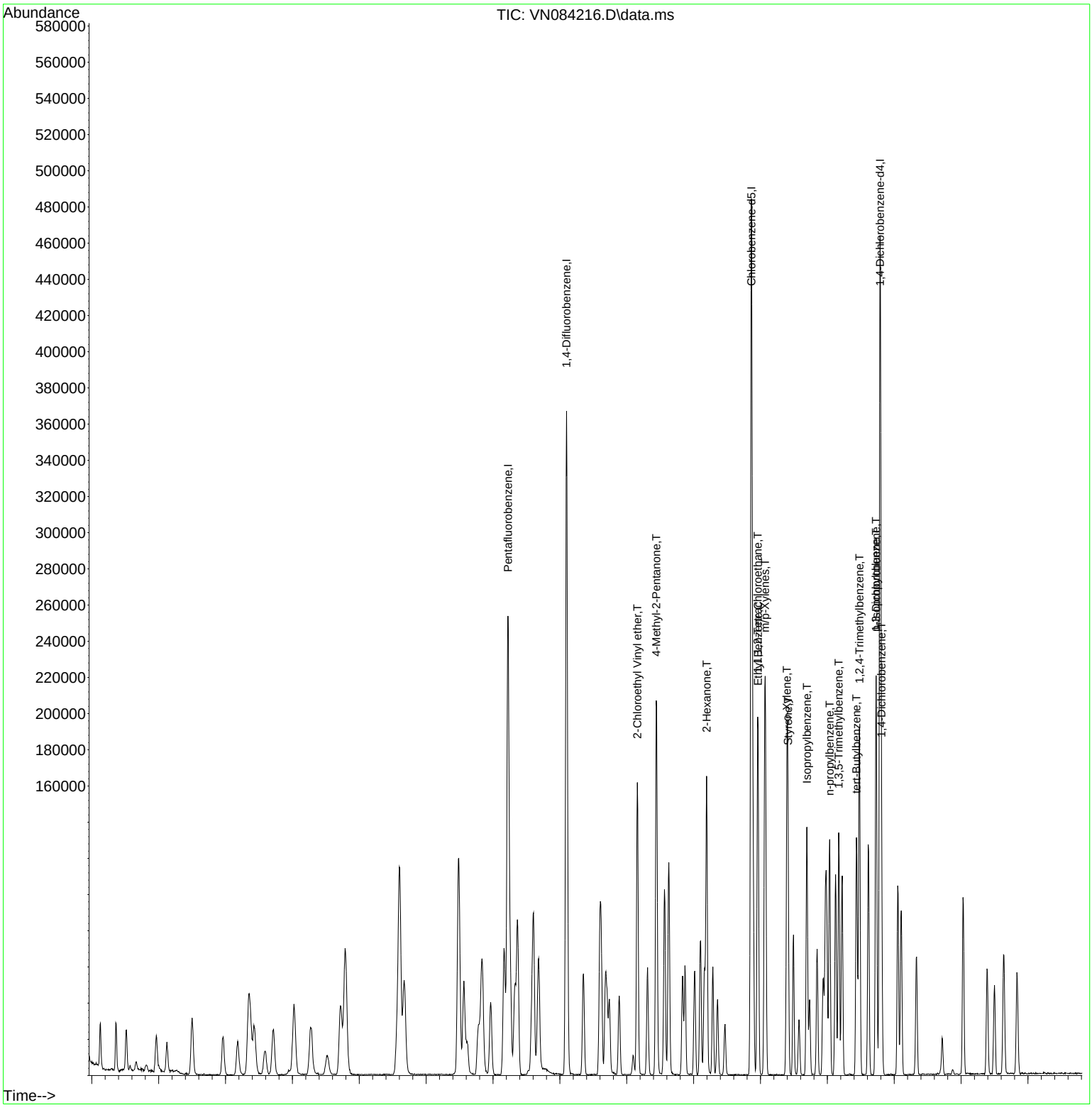
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

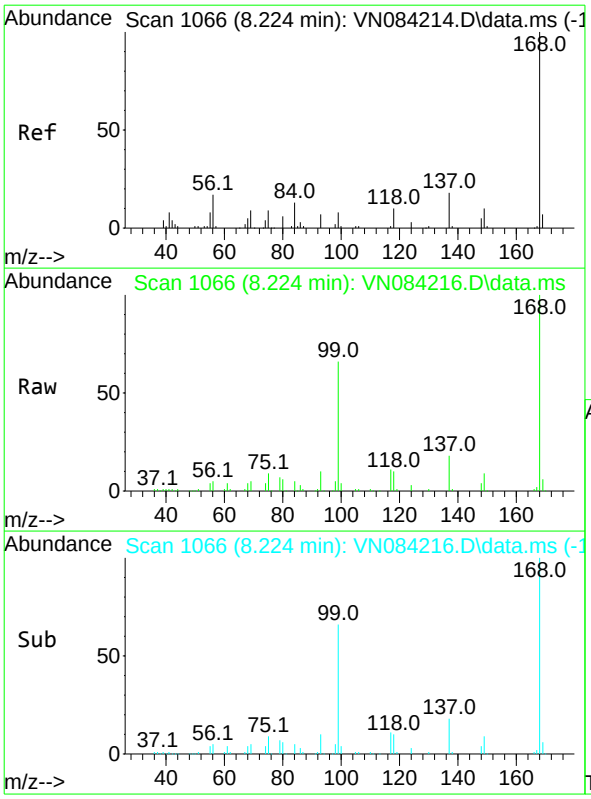
Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

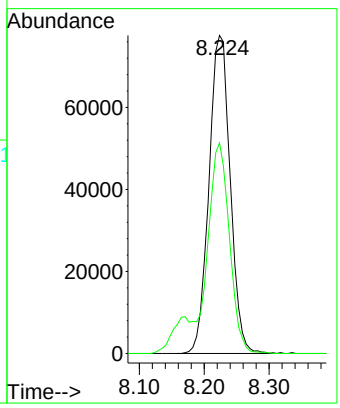




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:168 Resp: 176243

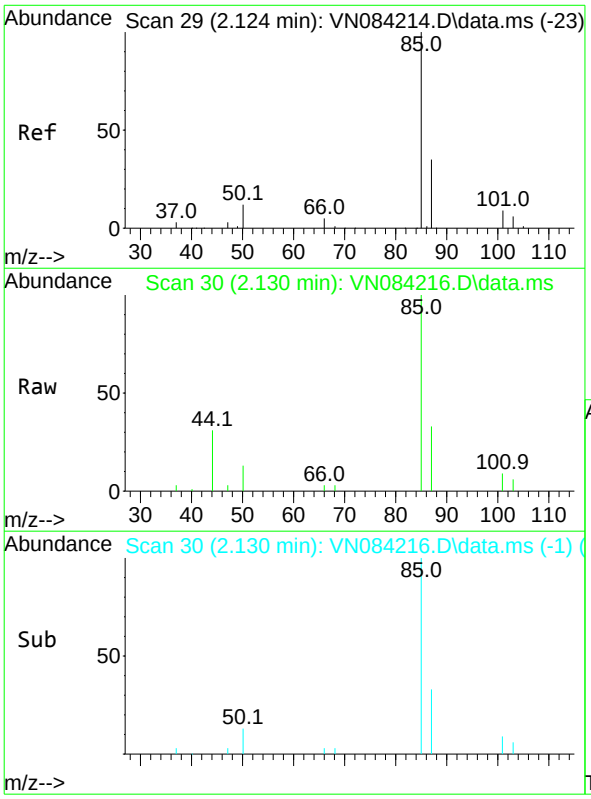
Ion	Ratio	Lower	Upper
168	100		
99	66.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

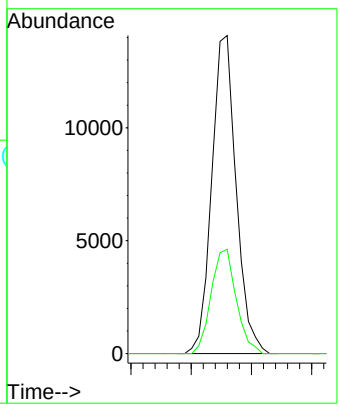
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

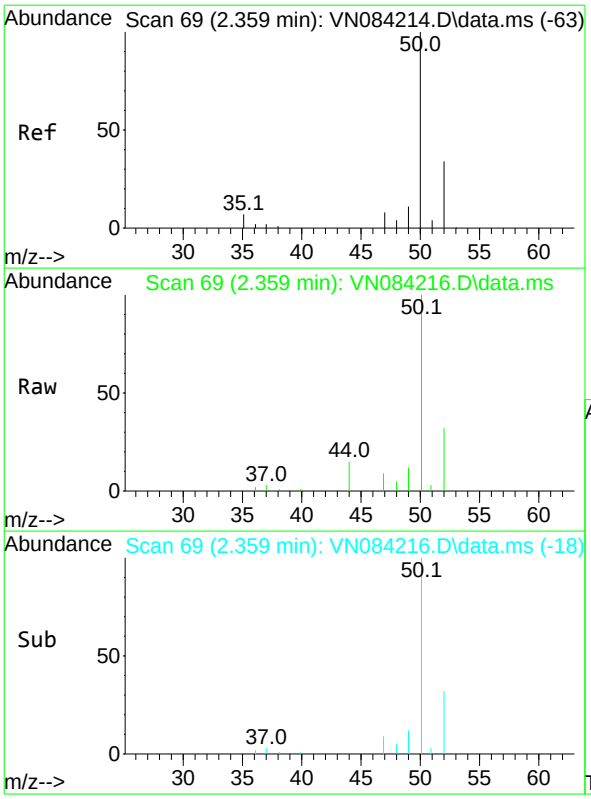


#2
Dichlorodifluoromethane
Concen: 9.501 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 85 Resp: 19806

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9

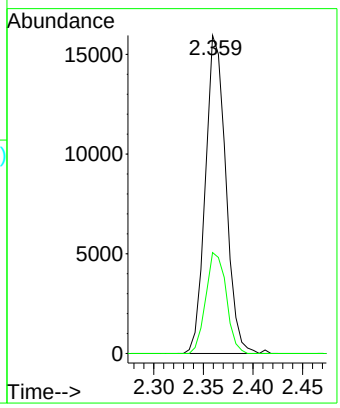




#3
Chloromethane
Concen: 9.595 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 50 Resp: 22840

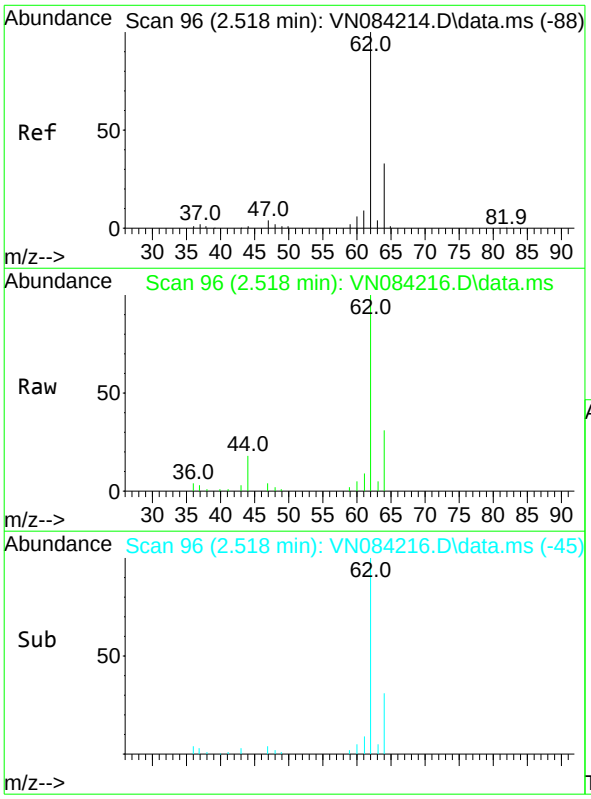
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

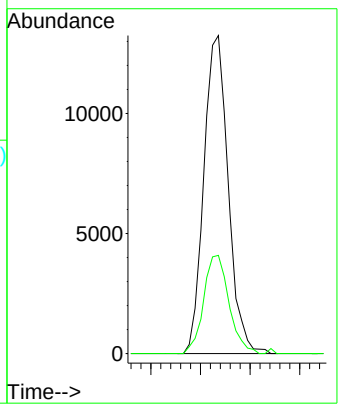
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

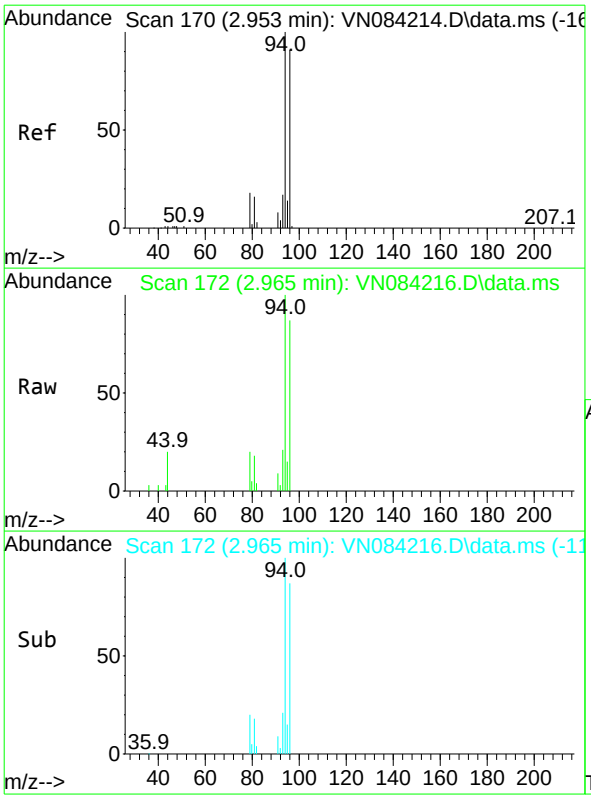


#4
Vinyl Chloride
Concen: 9.795 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 22584

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

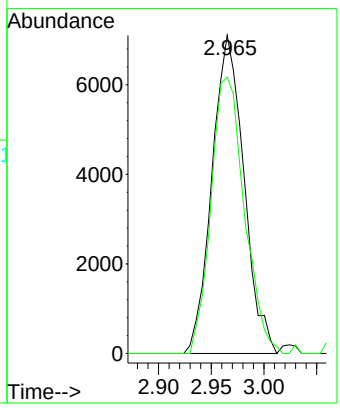




#5
Bromomethane
Concen: 9.835 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 94 Resp: 14957

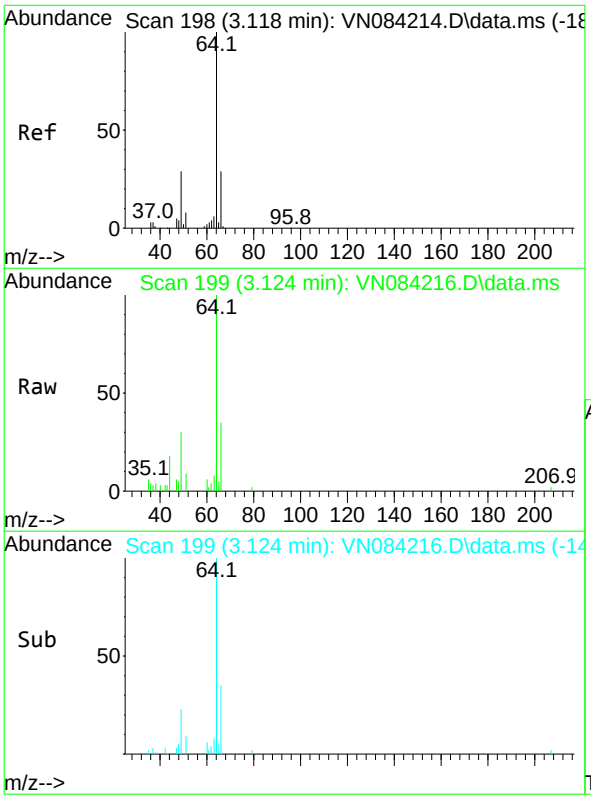
Ion	Ratio	Lower	Upper
94	100		
96	86.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

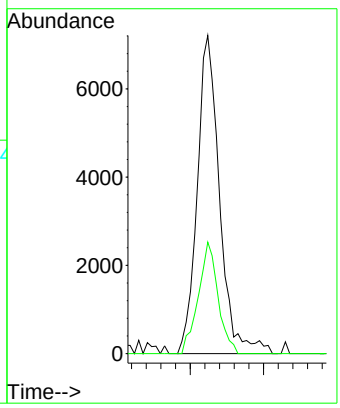
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

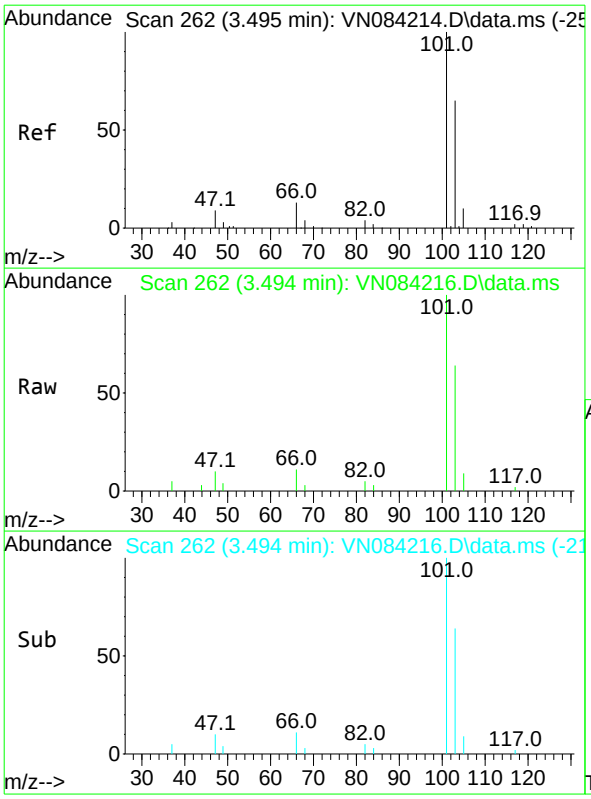


#6
Chloroethane
Concen: 9.238 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 64 Resp: 15254

Ion	Ratio	Lower	Upper
64	100		
66	35.0	23.5	35.3

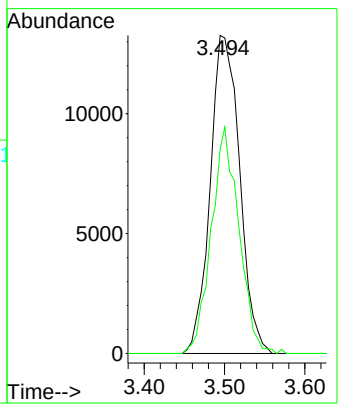




#7
Trichlorofluoromethane
Concen: 9.420 ug/l
RT: 3.494 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:101 Resp: 33820

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
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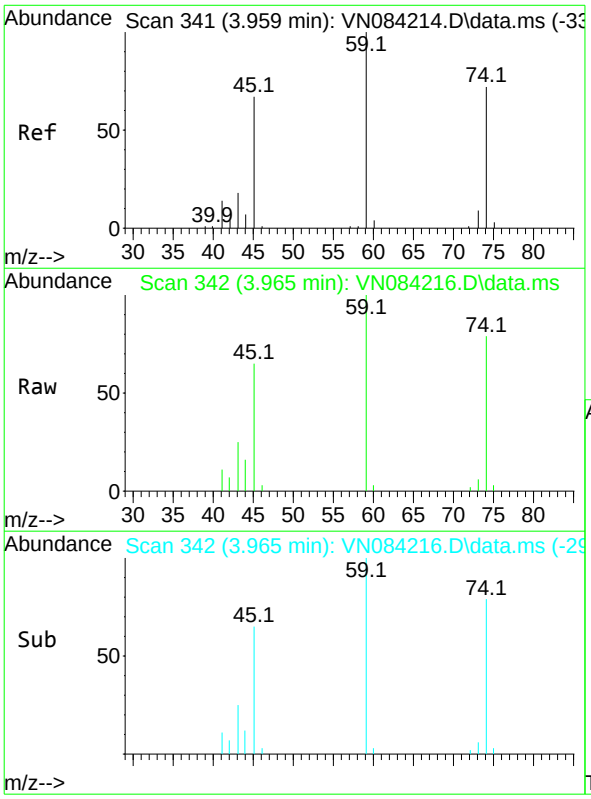
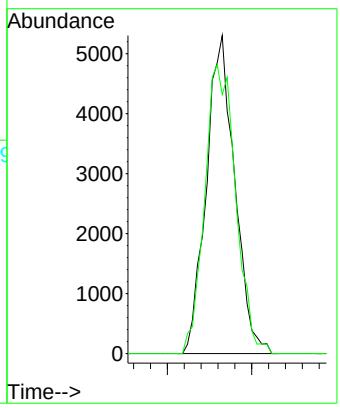
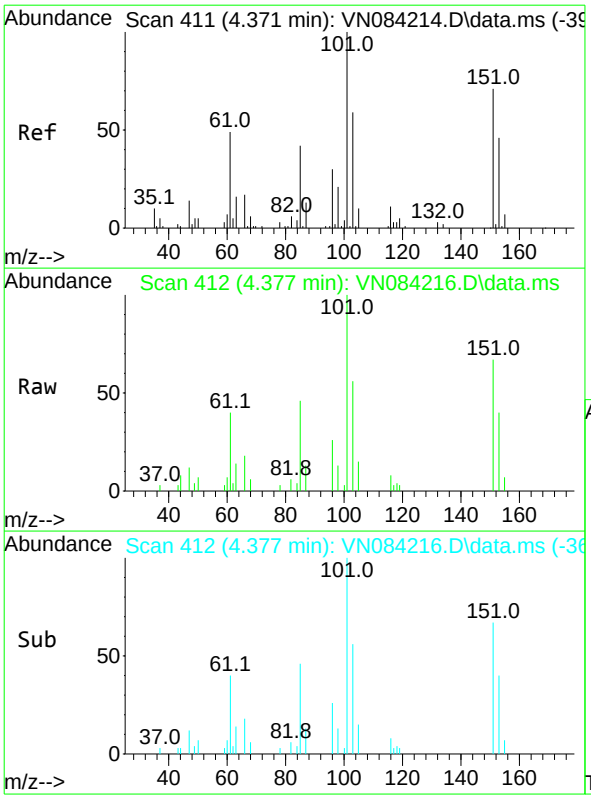


#8
Diethyl Ether
Concen: 9.328 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 74 Resp: 12422

Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.7	143.1

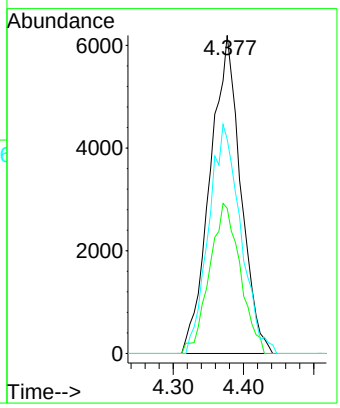




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:101 Resp: 18747

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	75.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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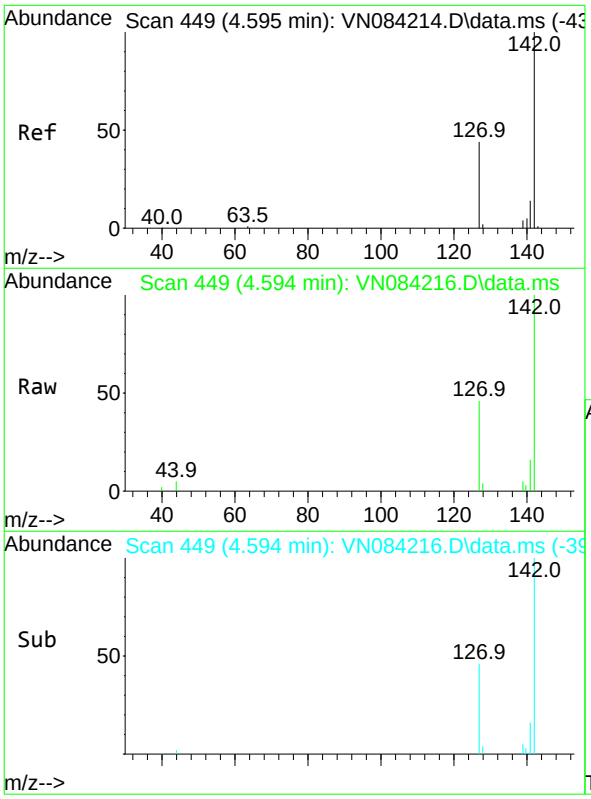
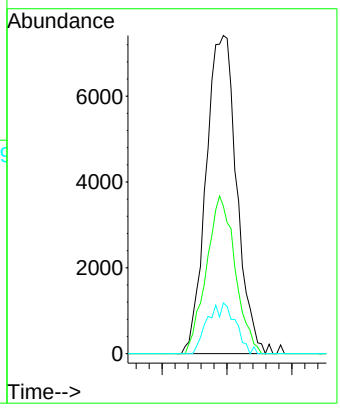
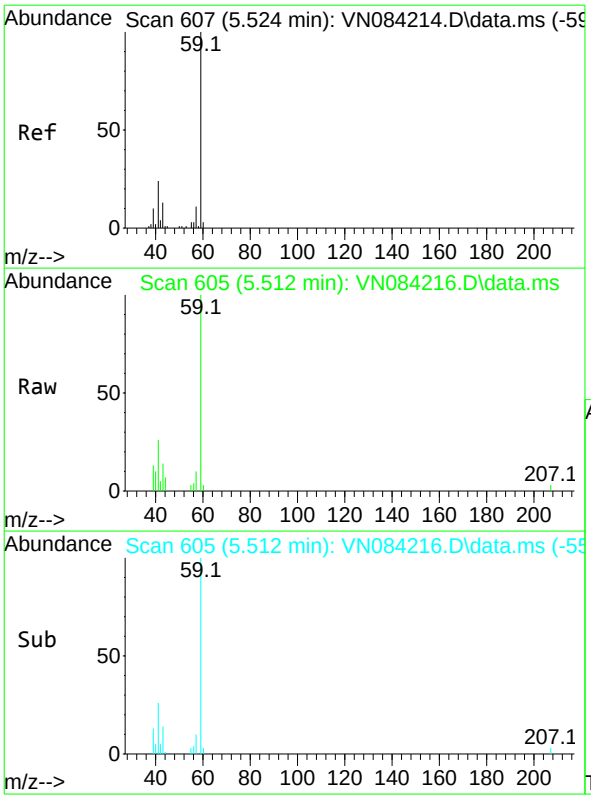


#10
Methyl Iodide
Concen: 9.160 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:142 Resp: 24268

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.3	52.9
141	15.9	11.0	16.6

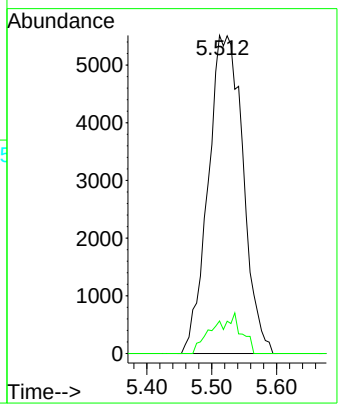




#11
Tert butyl alcohol
Concen: 47.553 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 59 Resp: 20490

Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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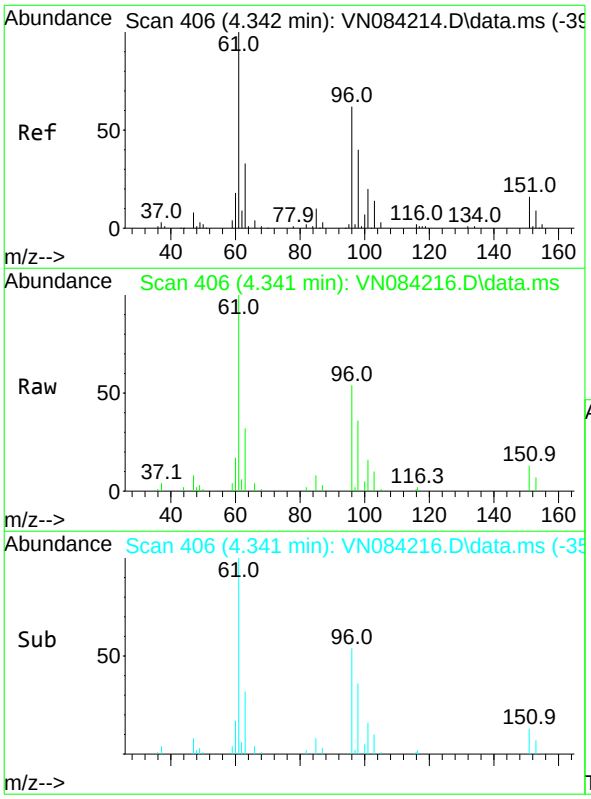
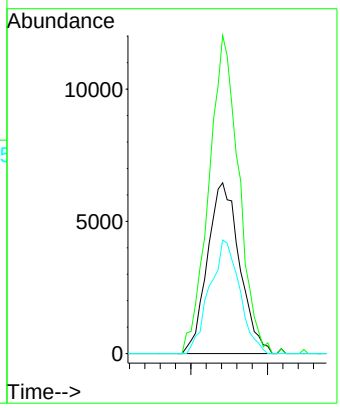
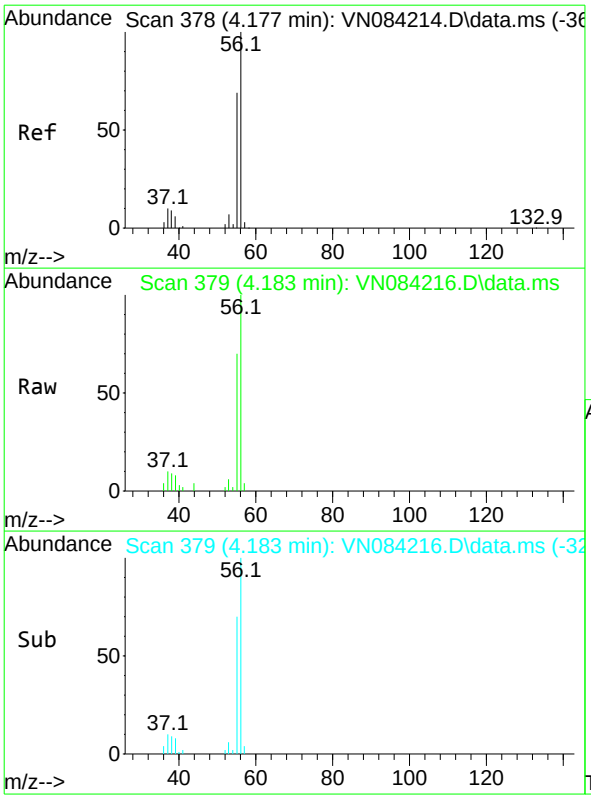


#12
1,1-Dichloroethene
Concen: 9.473 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 18798

Ion	Ratio	Lower	Upper
96	100		
61	186.2	128.6	192.8
98	66.5	51.7	77.5

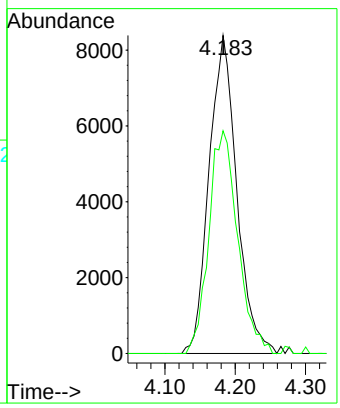




#13
Acrolein
Concen: 46.448 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 56 Resp: 22976

Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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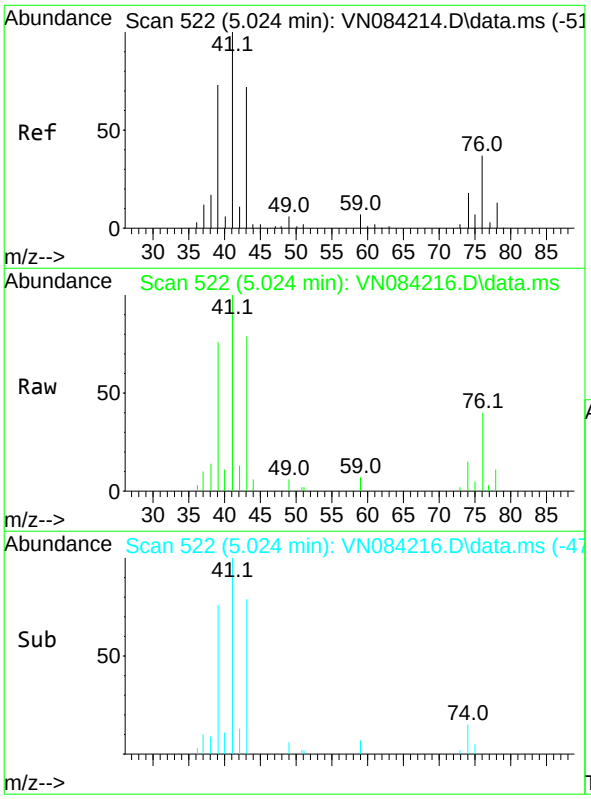
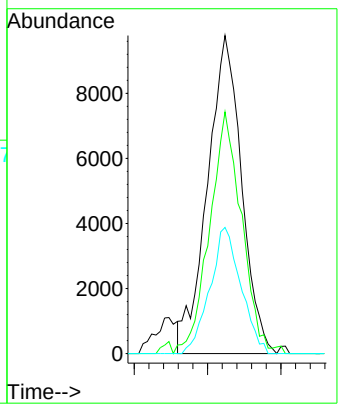
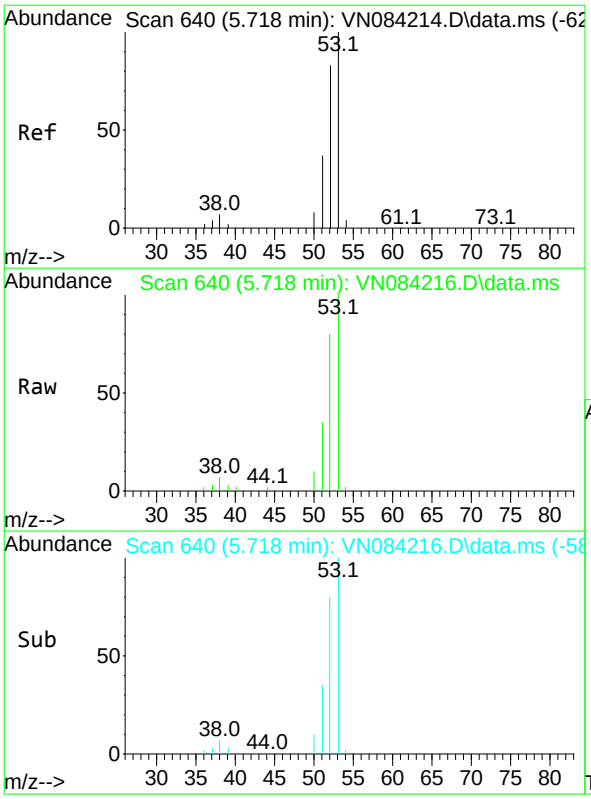


#14
Allyl chloride
Concen: 9.161 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 31571

Ion	Ratio	Lower	Upper
41	100		
39	71.4	59.0	88.6
76	36.1	29.8	44.6

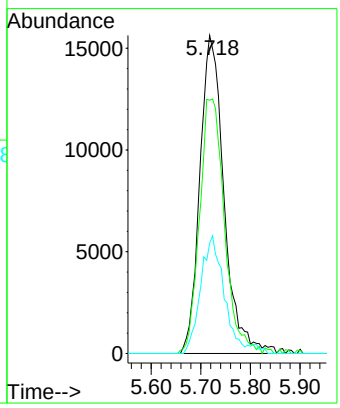




#15
Acrylonitrile
Concen: 48.533 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 53 Resp: 52809

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.4	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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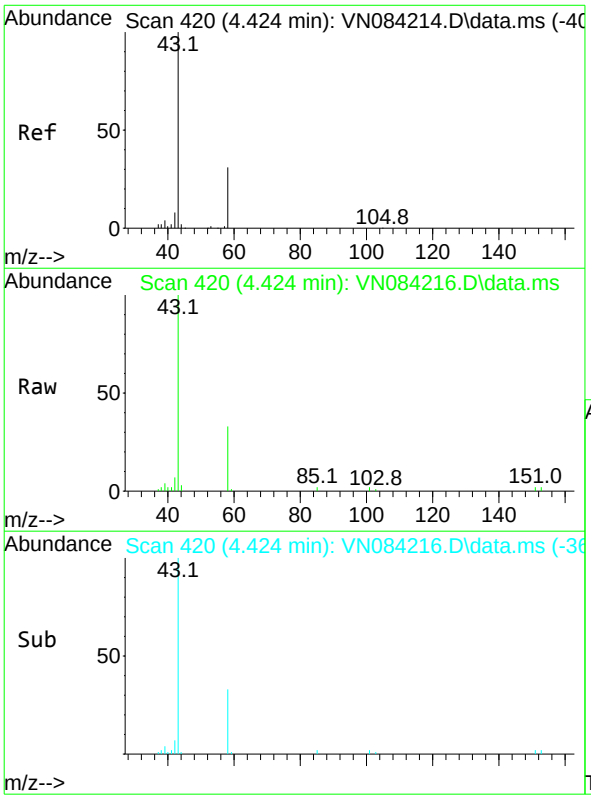
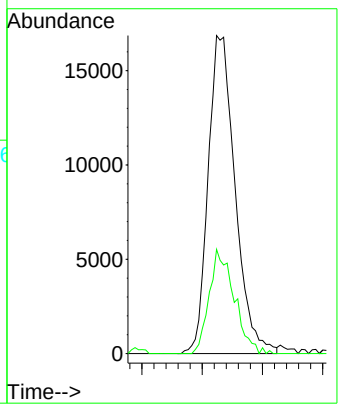
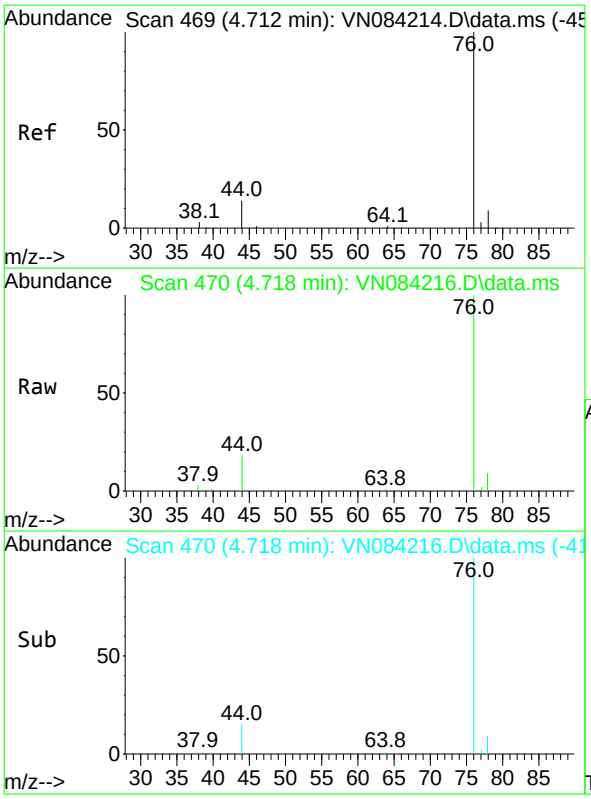


#16
Acetone
Concen: 46.785 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52518

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6

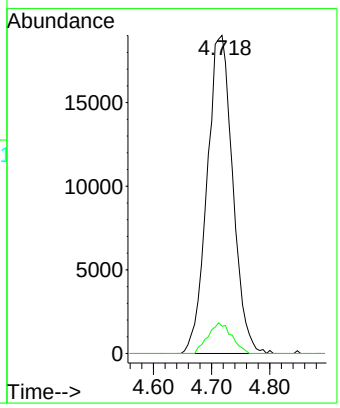




#17
Carbon Disulfide
Concen: 9.257 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 76 Resp: 58158

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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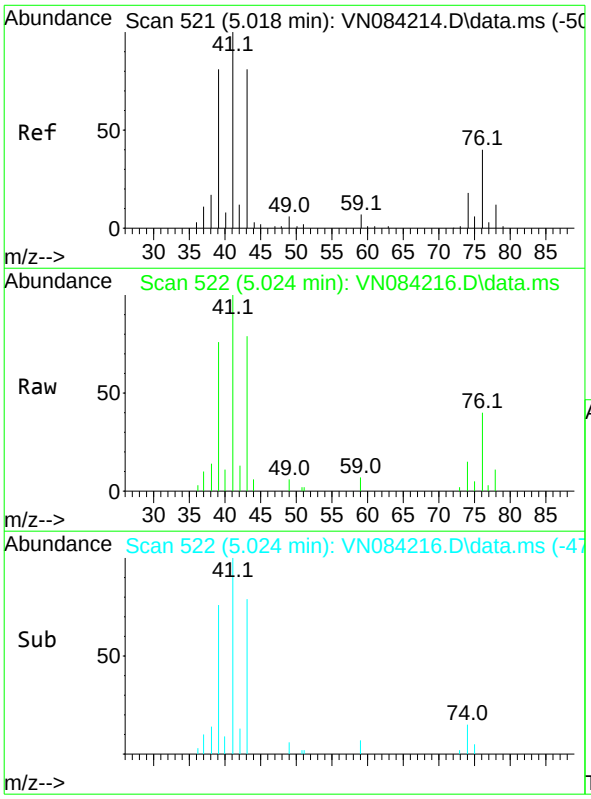
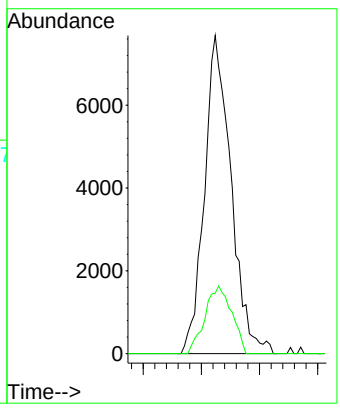
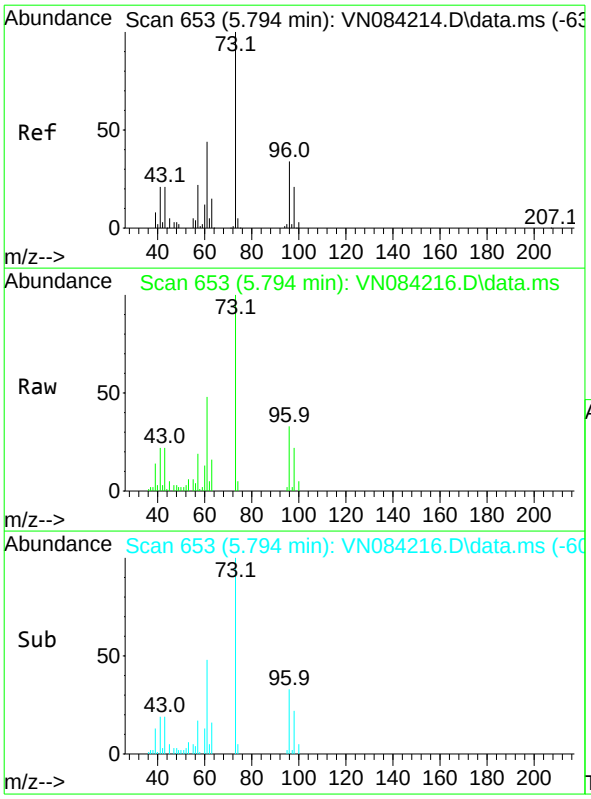


#18
Methyl Acetate
Concen: 9.959 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 24366

Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.2	28.8

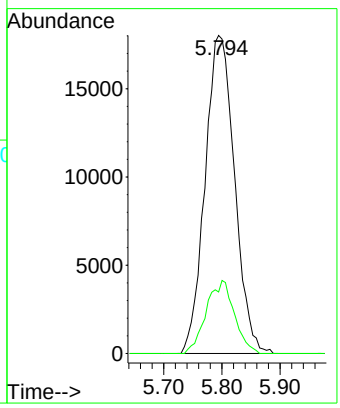




#19
Methyl tert-butyl Ether
Concen: 9.486 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 73 Resp: 63531

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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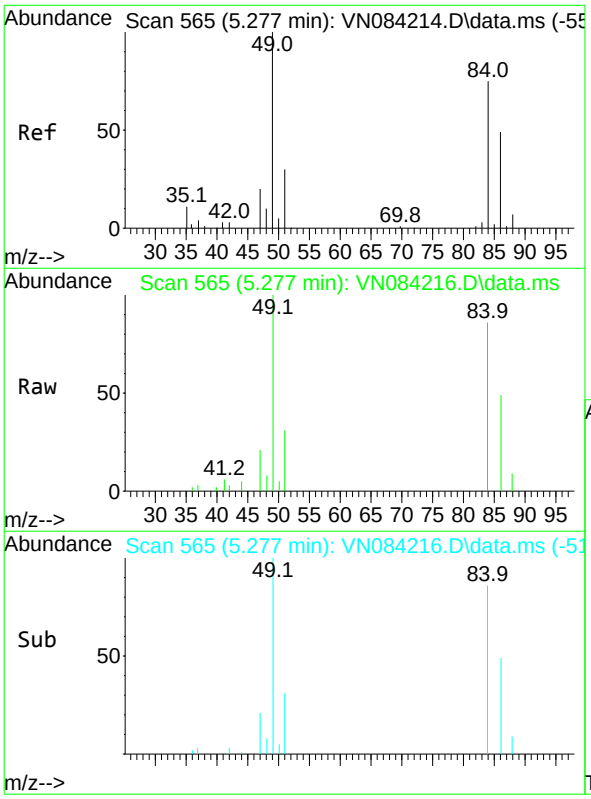
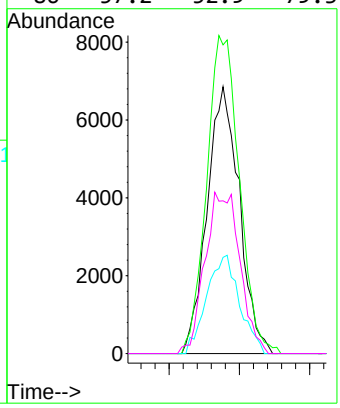
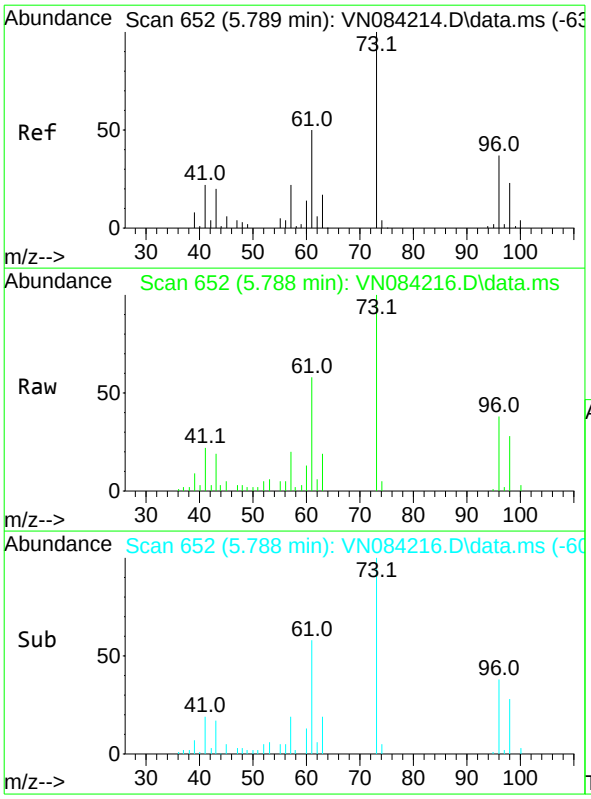


#20
Methylene Chloride
Concen: 9.554 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 84 Resp: 21801

Ion	Ratio	Lower	Upper
84	100		
49	115.7	107.2	160.8
51	36.0	31.8	47.8
86	57.2	52.9	79.3

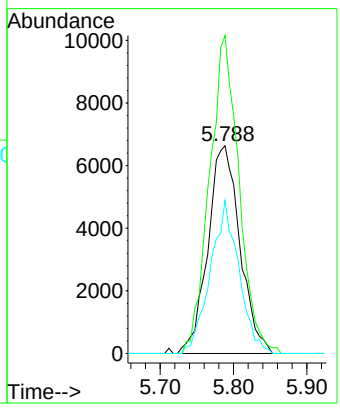




#21
trans-1,2-Dichloroethene
Concen: 9.672 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 20107

Ion	Ratio	Lower	Upper
96	100		
61	153.1	108.4	162.6
98	73.7	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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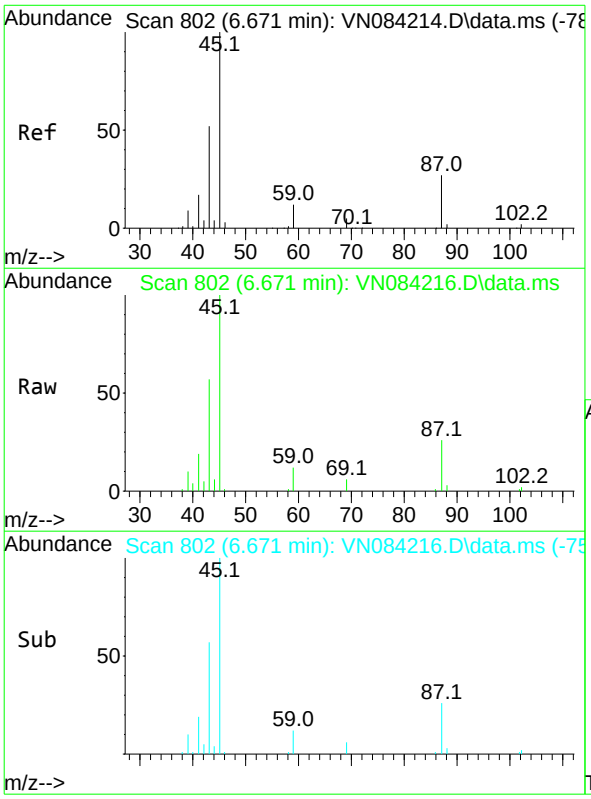
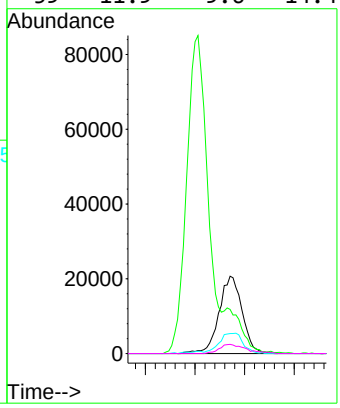
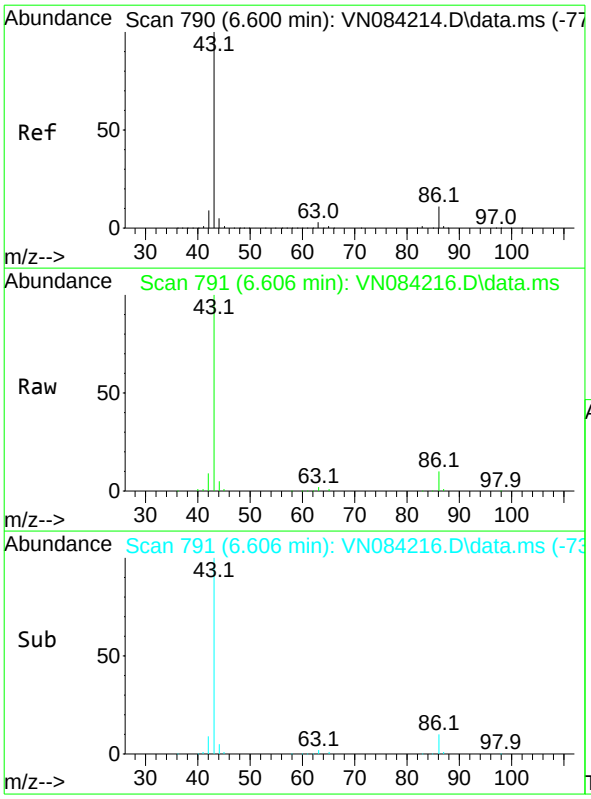


#22
Diisopropyl ether
Concen: 9.393 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 45 Resp: 66959

Ion	Ratio	Lower	Upper
45	100		
43	55.7	42.3	63.5
87	25.9	21.8	32.6
59	11.9	9.6	14.4

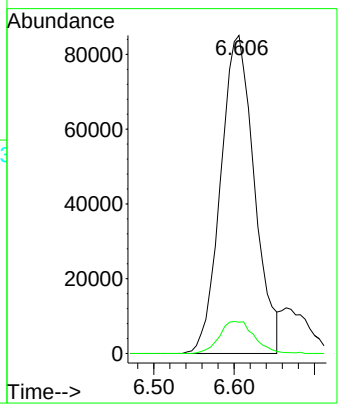




#23
Vinyl Acetate
Concen: 46.769 ug/l
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 248594

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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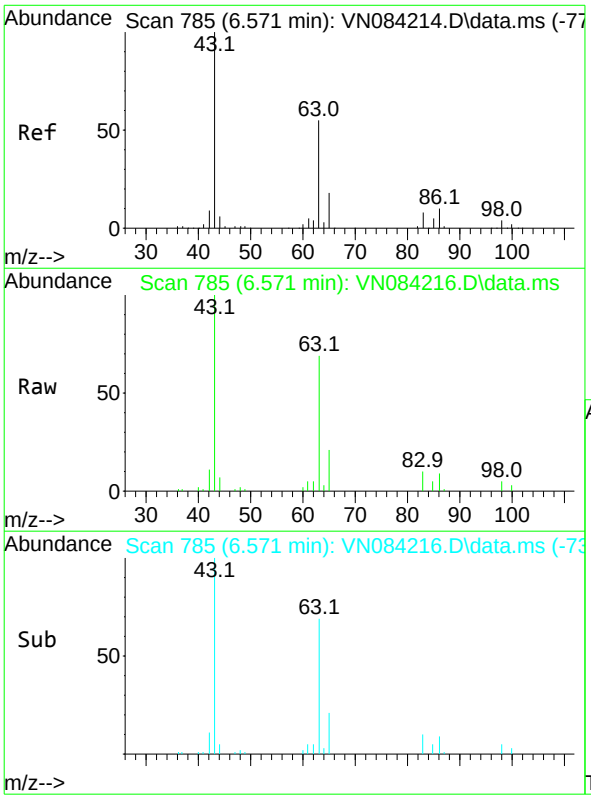
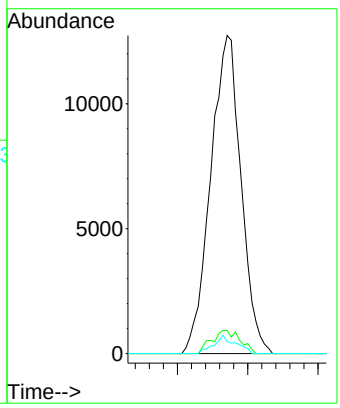
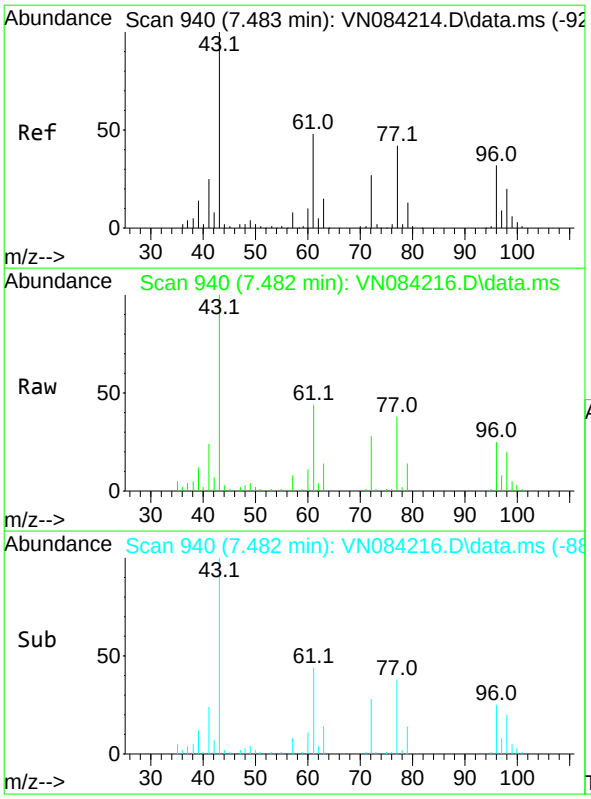


#24
1,1-Dichloroethane
Concen: 9.586 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 38215

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.0	5.8

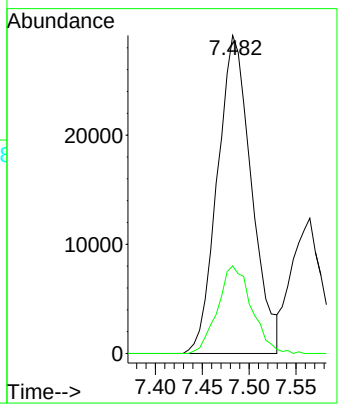




#25
2-Butanone
Concen: 48.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 73877

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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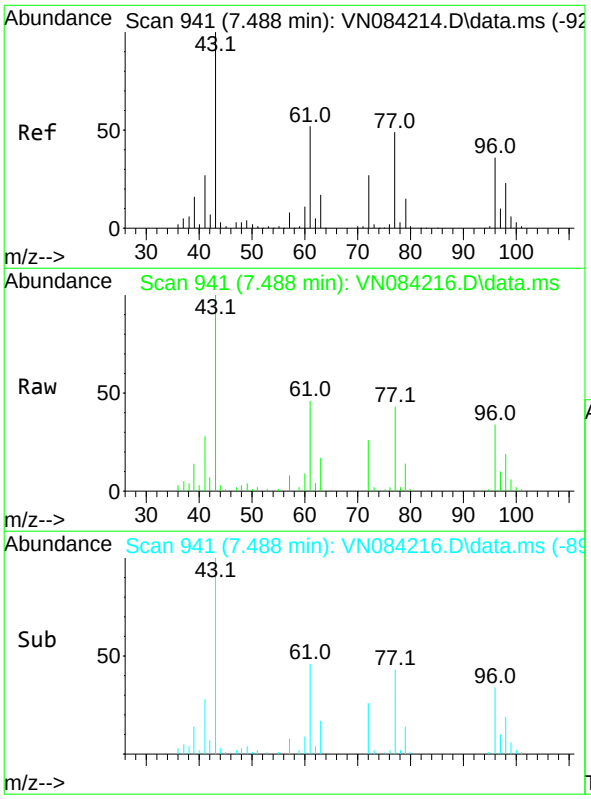
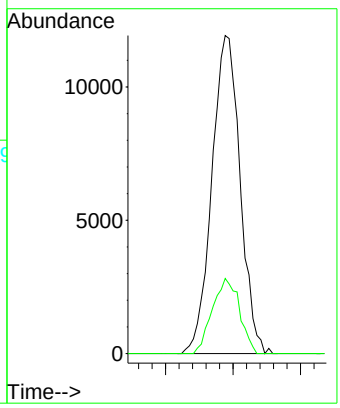
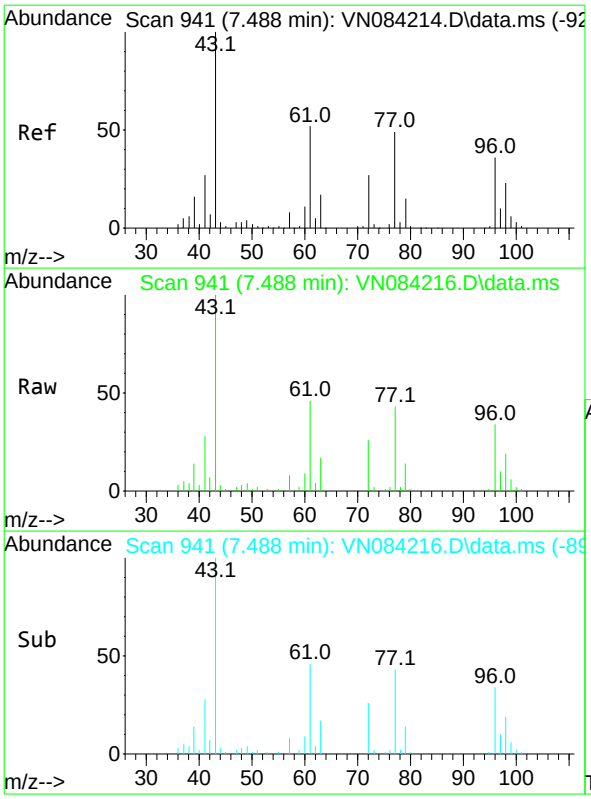


#26
2,2-Dichloropropane
Concen: 9.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 77 Resp: 34655

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3

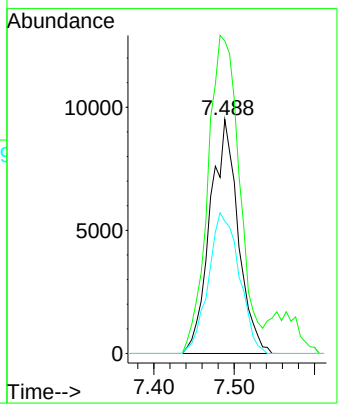




#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 23095

Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	301.8
98	66.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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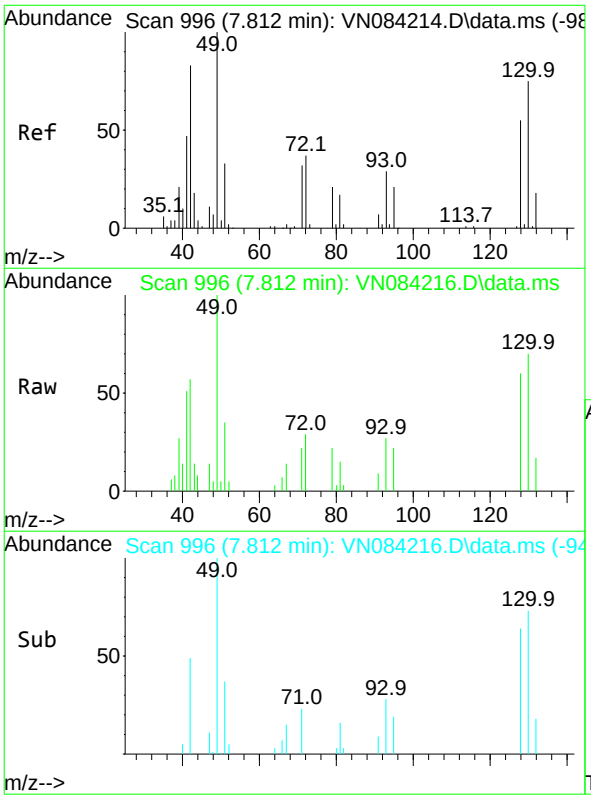
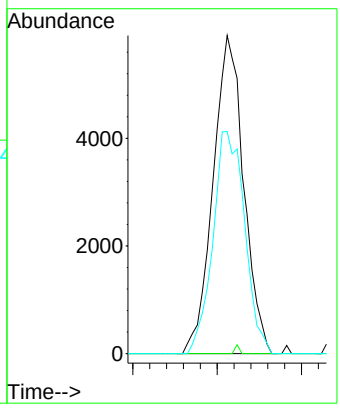
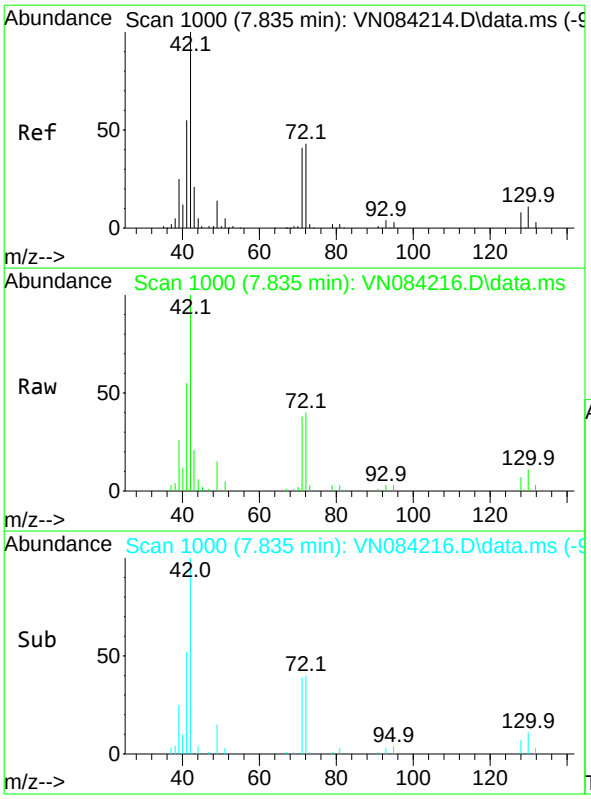


#28
Bromochloromethane
Concen: 8.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 49 Resp: 14904

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	72.3	58.0	87.0

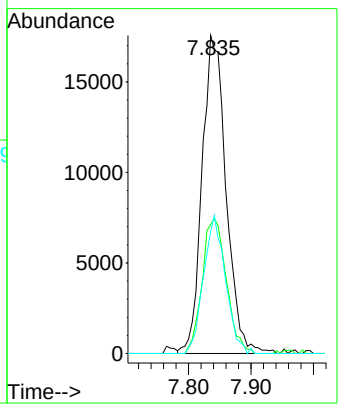




#29
Tetrahydrofuran
Concen: 49.725 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 42 Resp: 46917

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	51.8
71	39.5	32.2	48.4



Instrument :
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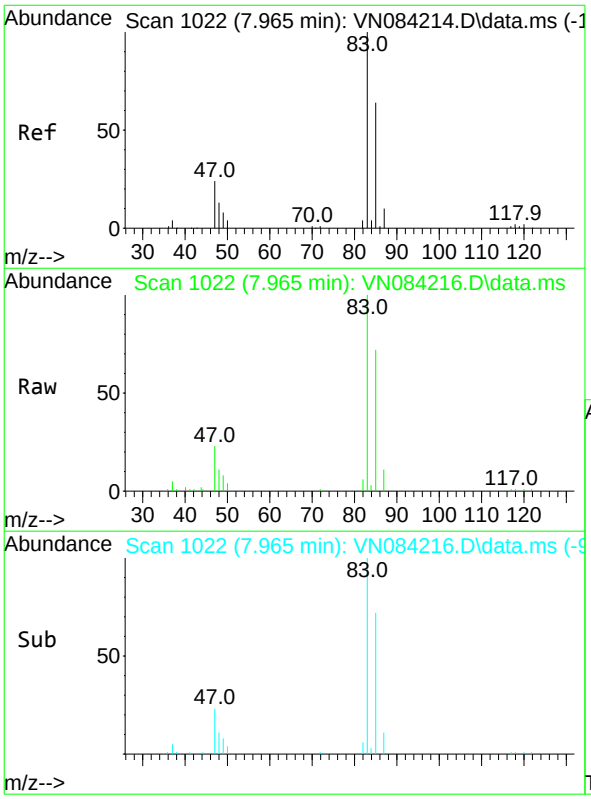
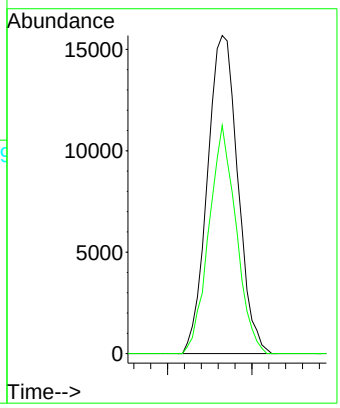
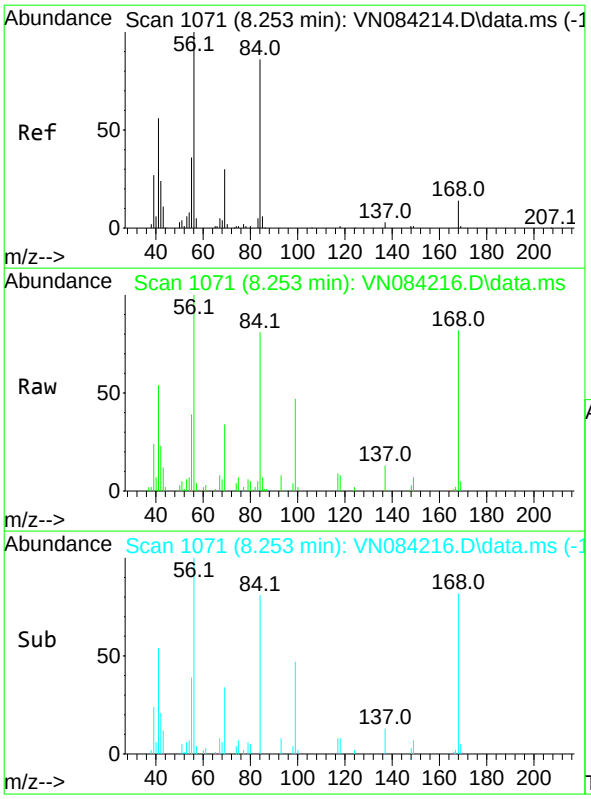


#30
Chloroform
Concen: 9.504 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 39355

Ion	Ratio	Lower	Upper
83	100		
85	71.7	51.0	76.4

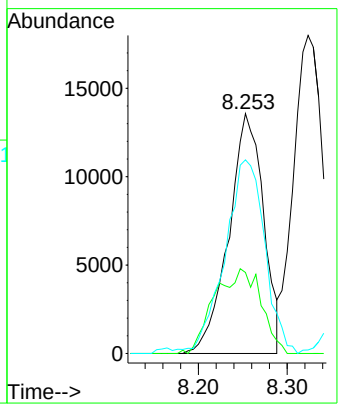




#31
Cyclohexane
Concen: 9.538 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 56 Resp: 36916

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.6
84	79.0	68.8	103.2



Instrument :
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ClientSampleId :
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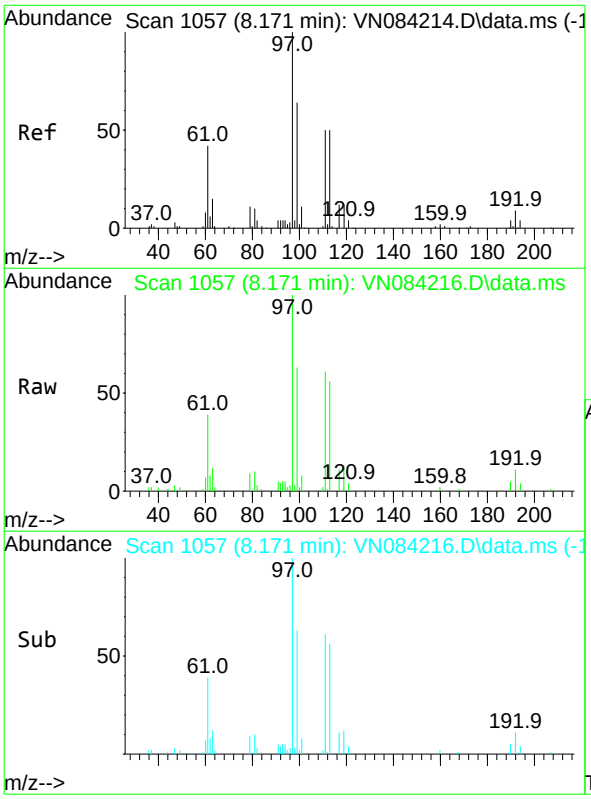
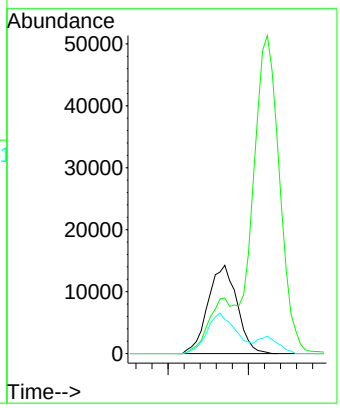
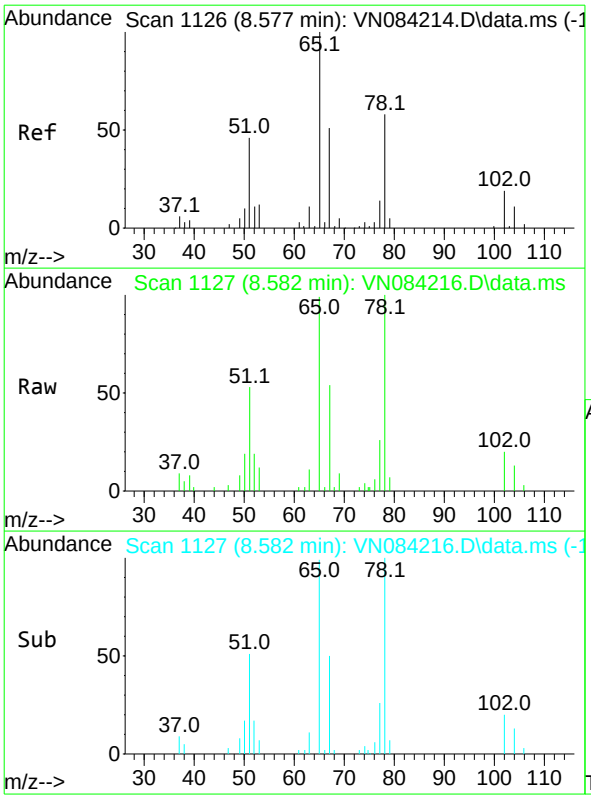


#32
1,1,1-Trichloroethane
Concen: 9.645 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 97 Resp: 35869

Ion	Ratio	Lower	Upper
97	100		
99	46.3	51.2	76.8#
61	46.7	37.5	56.3

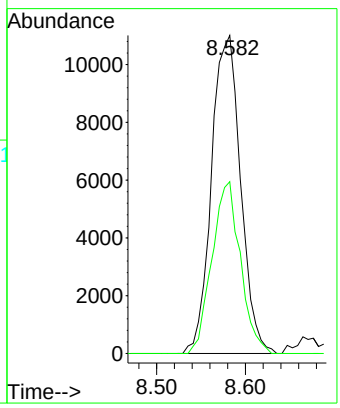




#33
1,2-Dichloroethane-d4
Concen: 9.599 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 65 Resp: 25083

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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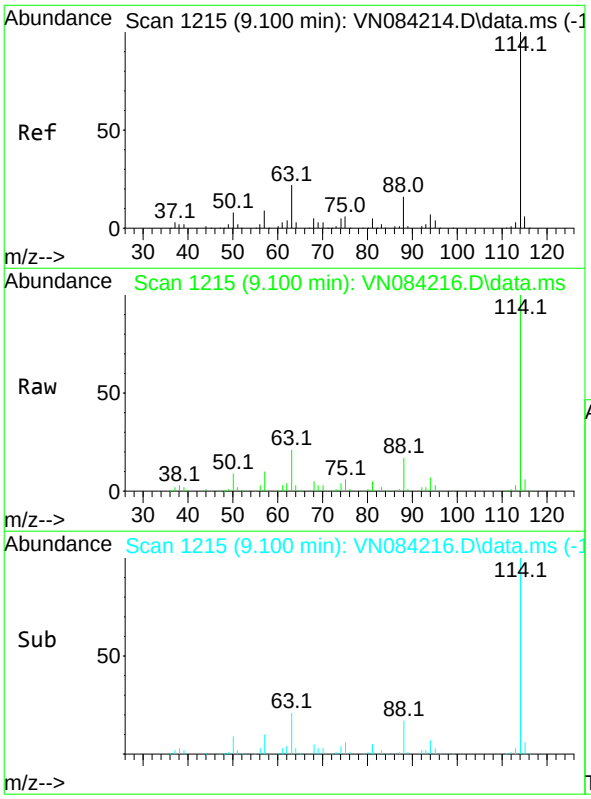
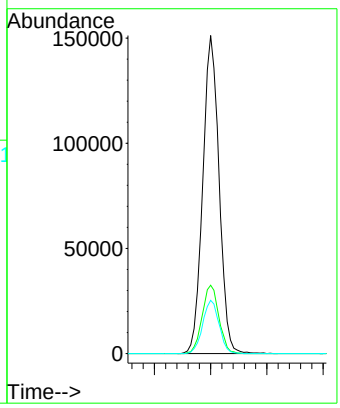
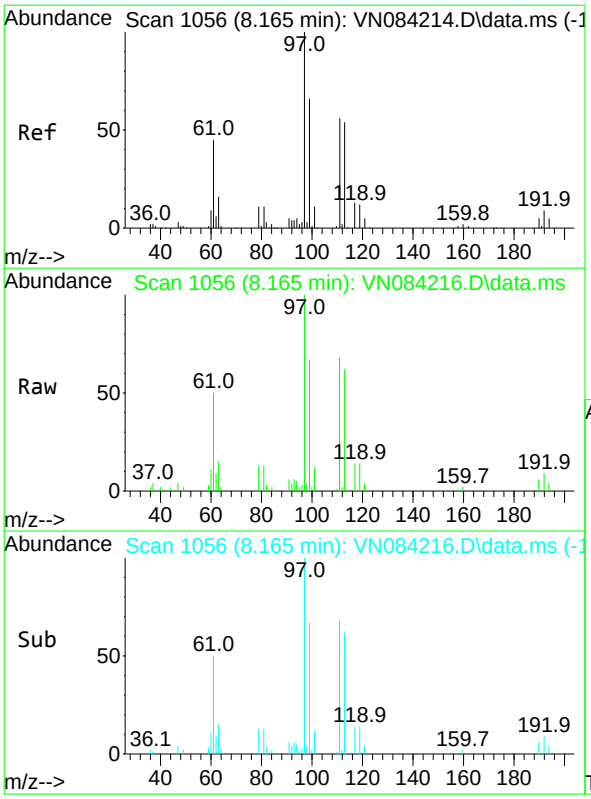


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:114 Resp: 304981

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	16.7	0.0	31.6

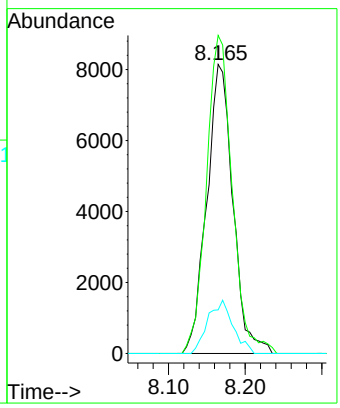




#35
Dibromofluoromethane
Concen: 9.594 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:113 Resp: 19289

Ion	Ratio	Lower	Upper
113	100		
111	108.7	83.3	124.9
192	17.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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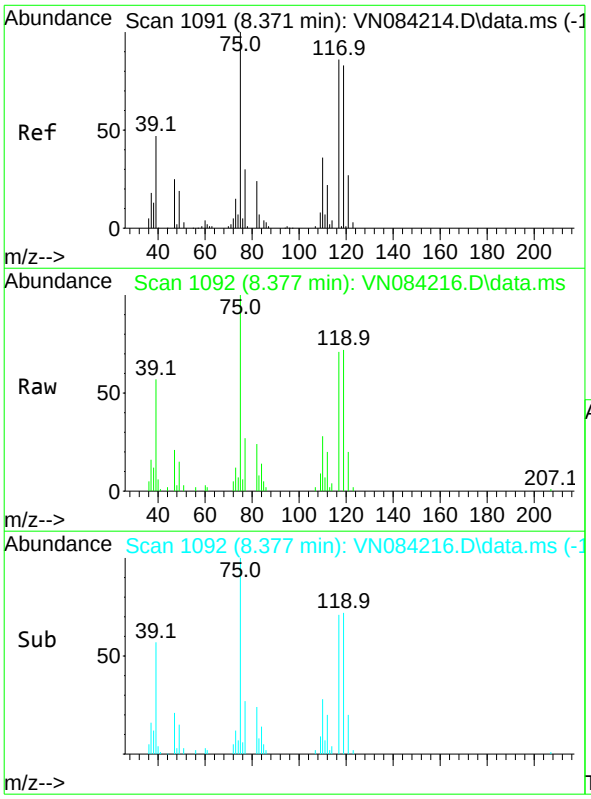
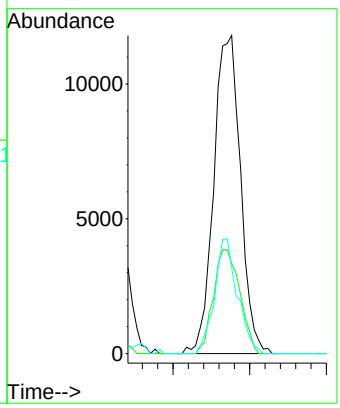
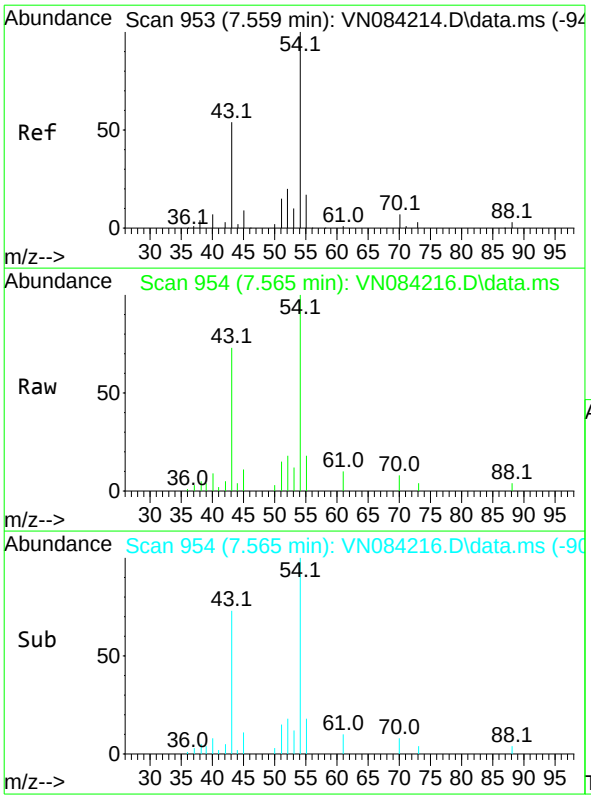


#36
1,1-Dichloropropene
Concen: 9.767 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 28525

Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.9	50.7
77	31.0	24.7	37.1

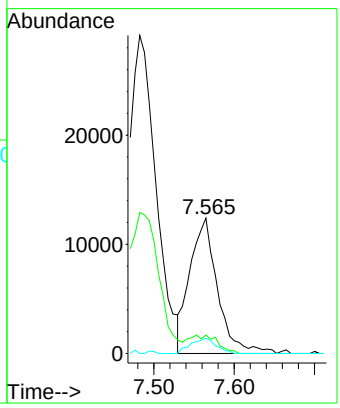




#37
Ethyl Acetate
Concen: 9.931 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 29754

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	10.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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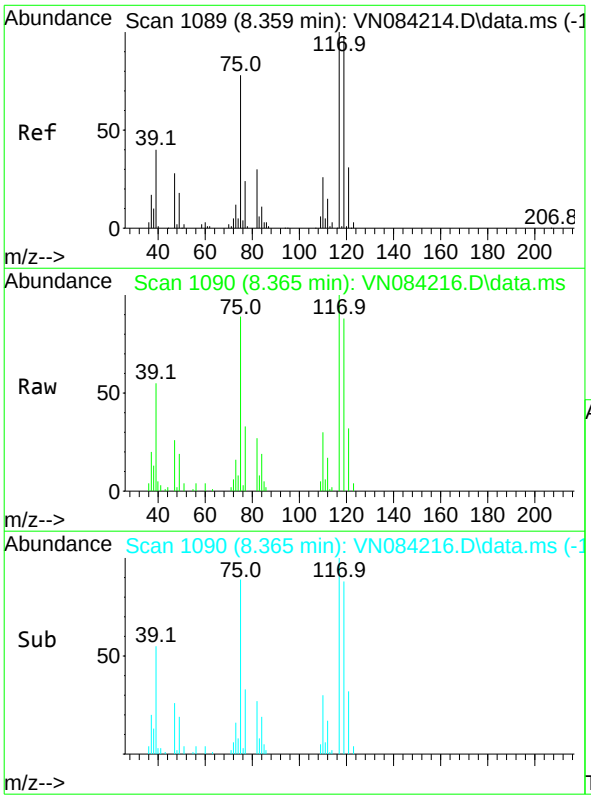
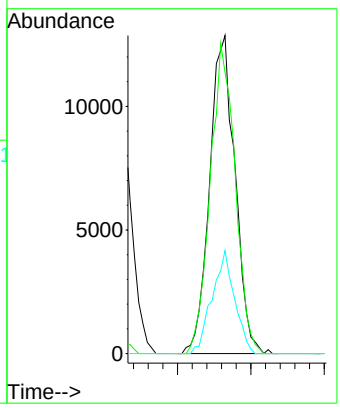
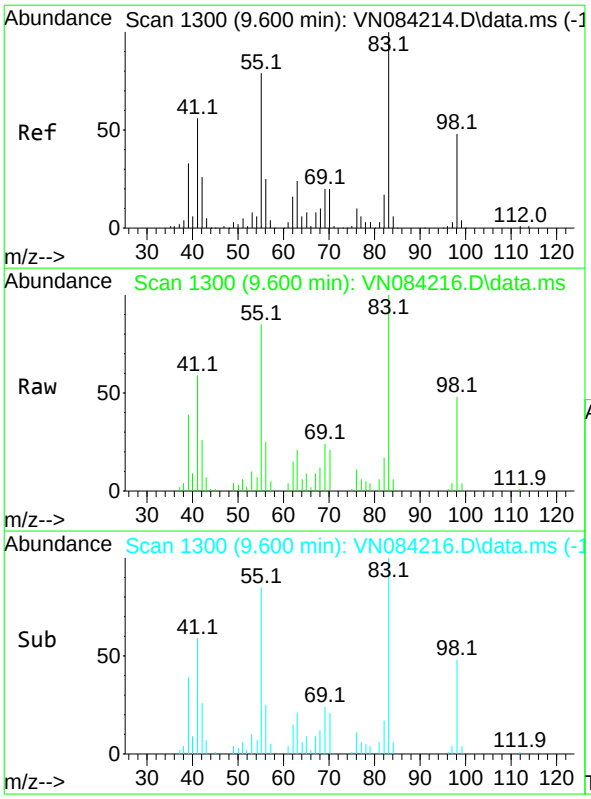


#38
Carbon Tetrachloride
Concen: 9.665 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 30964

Ion	Ratio	Lower	Upper
117	100		
119	88.4	78.7	118.1
121	32.4	24.4	36.6

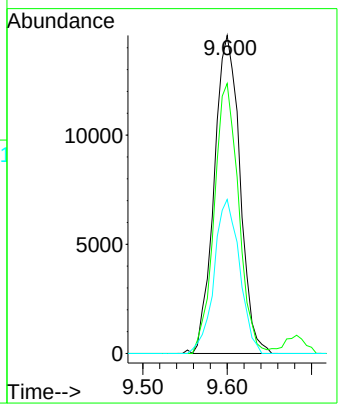




#39
Methylcyclohexane
Concen: 9.516 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 30932

Ion	Ratio	Lower	Upper
83	100		
55	84.9	62.8	94.2
98	48.4	38.8	58.2



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ClientSampleId :
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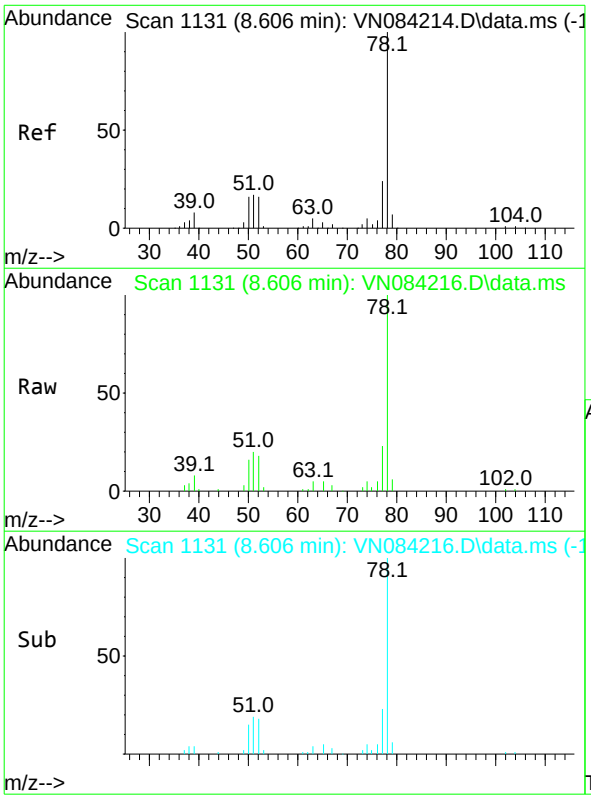
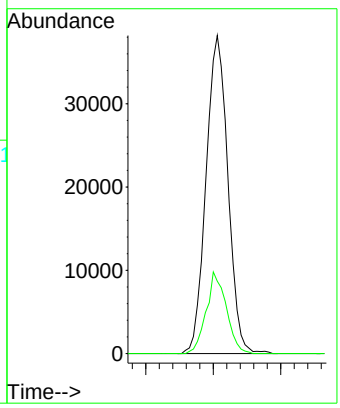
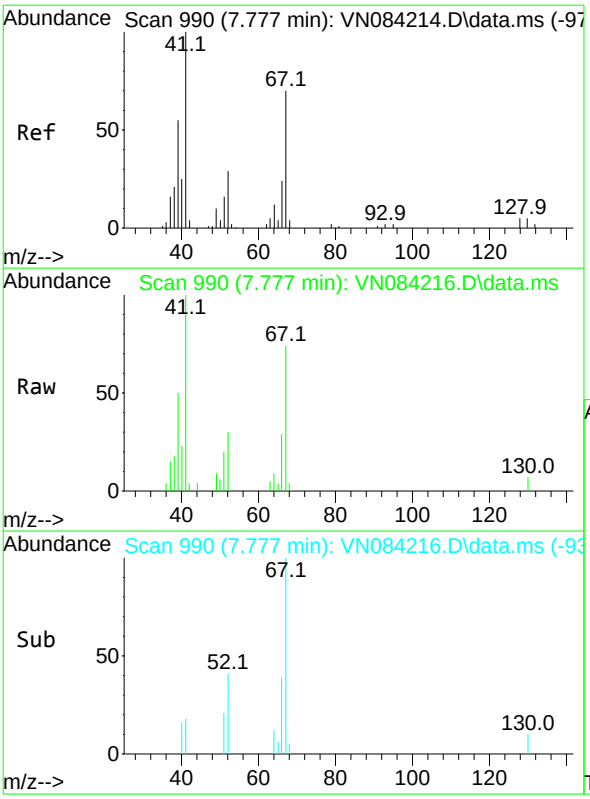


#40
Benzene
Concen: 9.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 78 Resp: 86029

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7

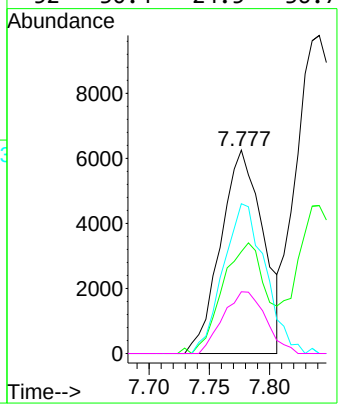




#41
Methacrylonitrile
Concen: 9.426 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 15332

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.0	56.1	84.1
52	30.4	24.5	36.7



Instrument :
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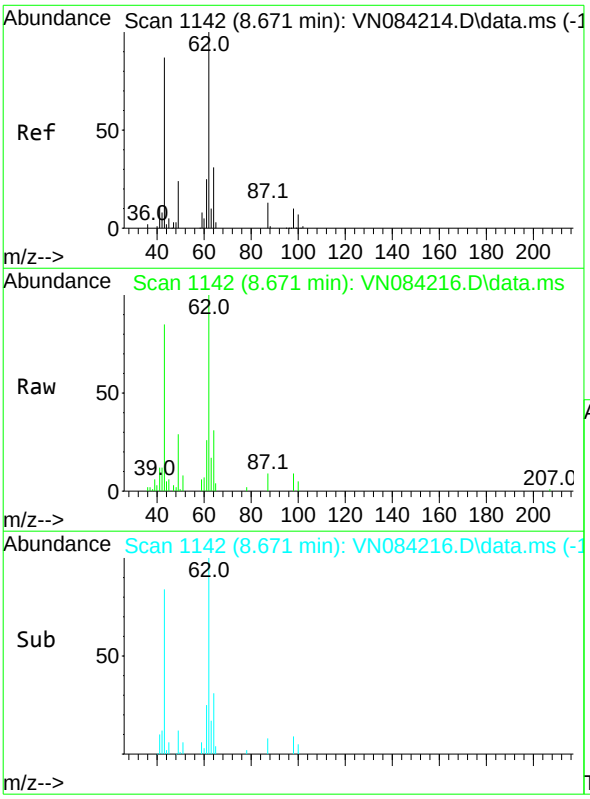
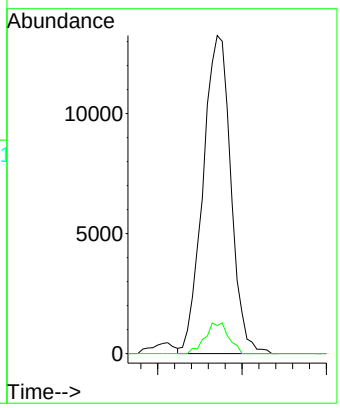
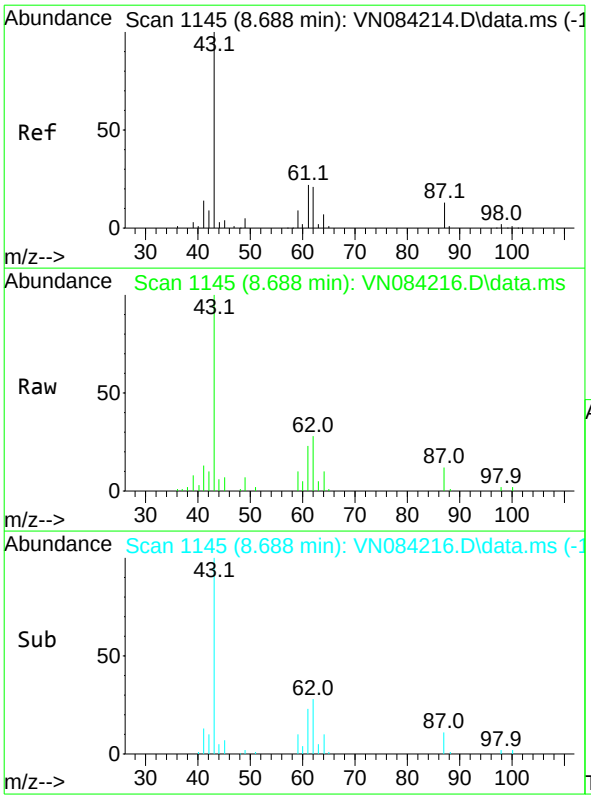


#42
1,2-Dichloroethane
Concen: 9.855 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 30402

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2

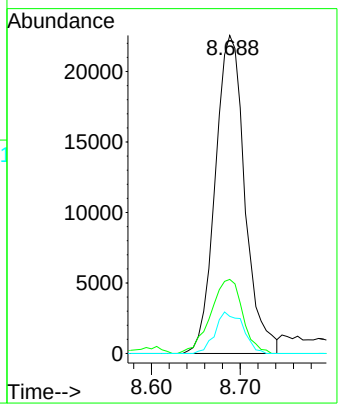




#43
Isopropyl Acetate
Concen: 8.906 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52246

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.4	30.6
87	12.3	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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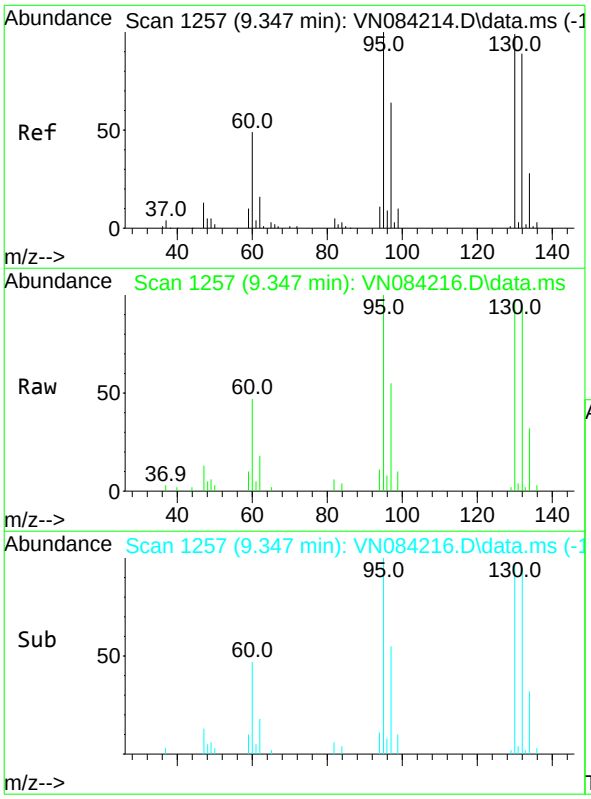
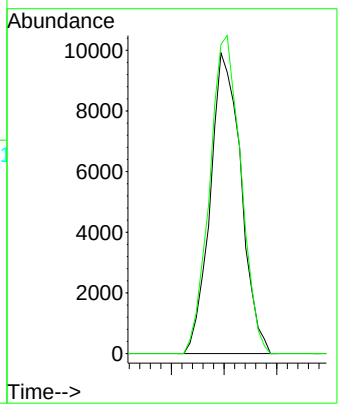
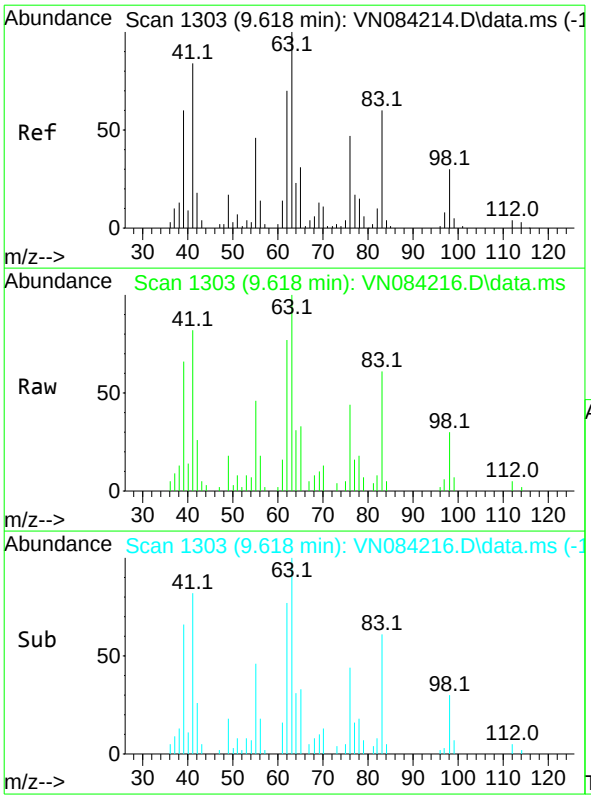


#44
Trichloroethene
Concen: 9.454 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:130 Resp: 20092

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.0

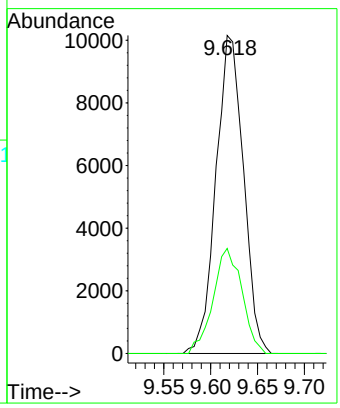




#45
1,2-Dichloropropane
Concen: 9.618 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 20703

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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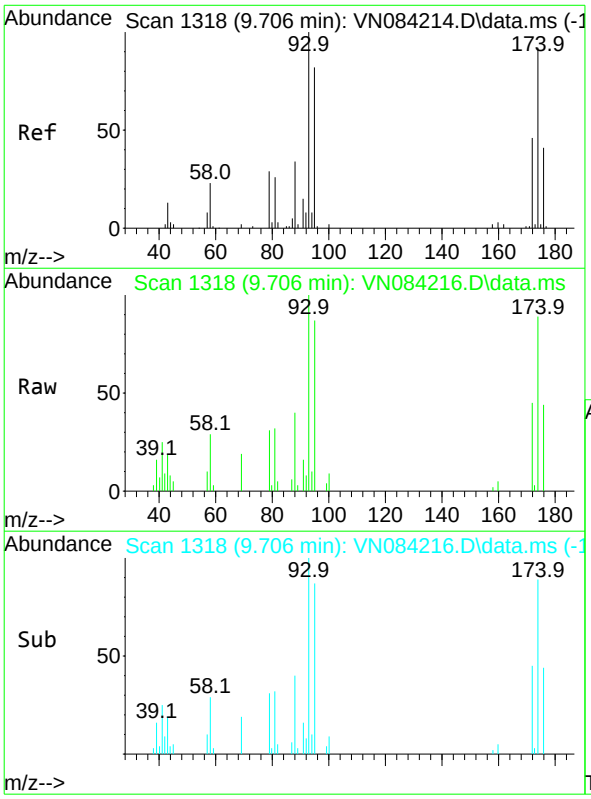
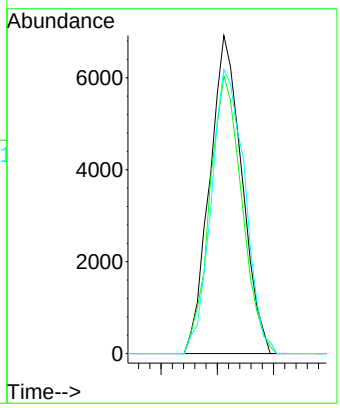
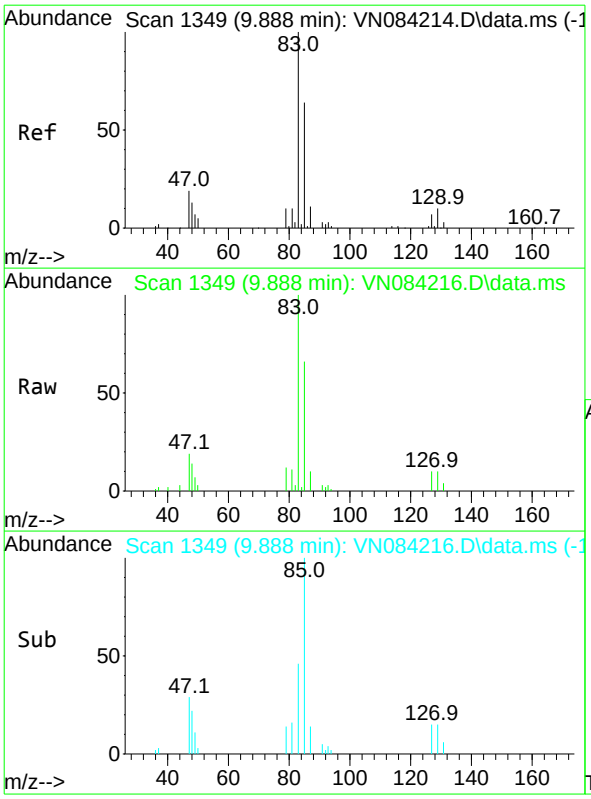


#46
Dibromomethane
Concen: 9.479 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 93 Resp: 13770

Ion	Ratio	Lower	Upper
93	100		
95	87.2	65.0	97.4
174	92.7	71.8	107.8

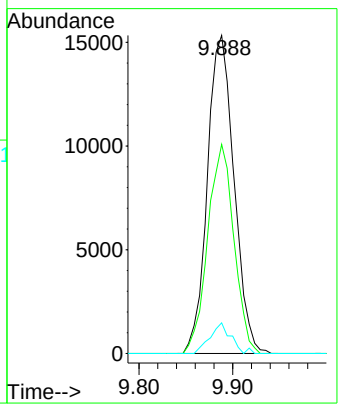




#47
Bromodichloromethane
Concen: 9.385 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 30289

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	9.6	5.7	8.5#



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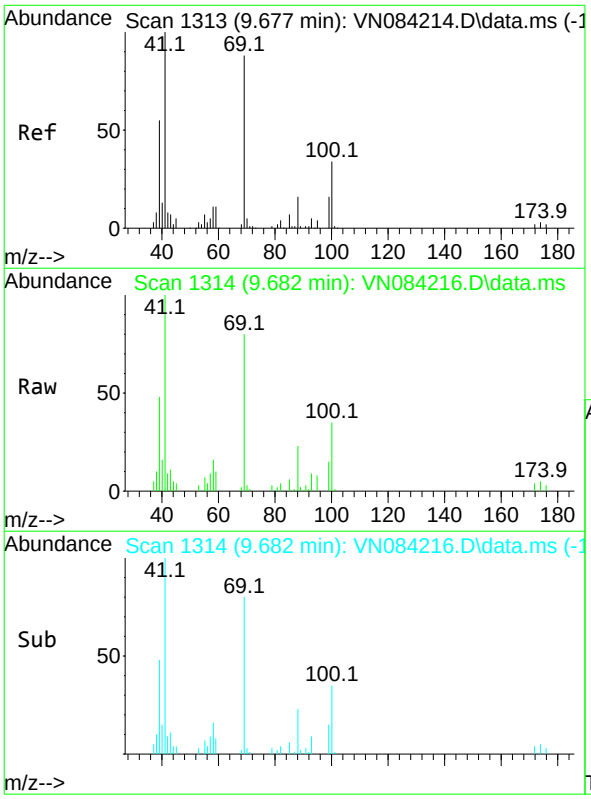
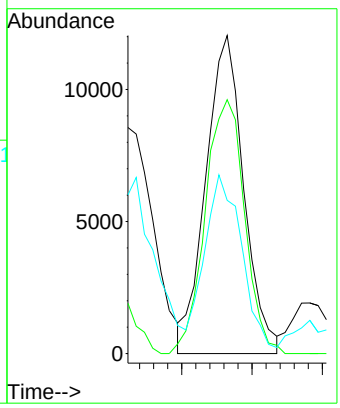
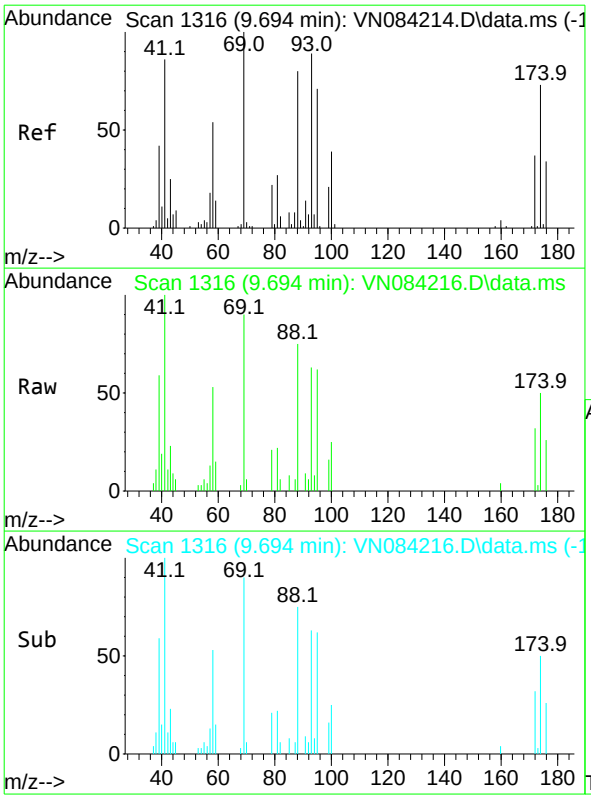


#48
Methyl methacrylate
Concen: 9.679 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 22612

Ion	Ratio	Lower	Upper
41	100		
69	82.7	67.1	100.7
39	55.6	45.8	68.6





#49
1,4-Dioxane
Concen: 200.587 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 88 Resp: 8627

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	76.0	56.4	84.6

Instrument :
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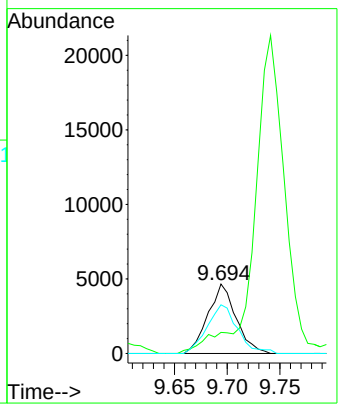
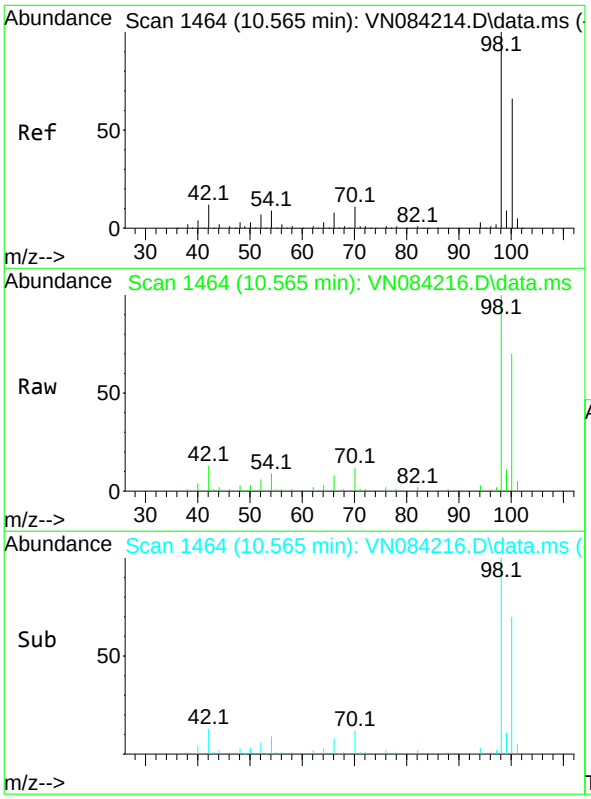
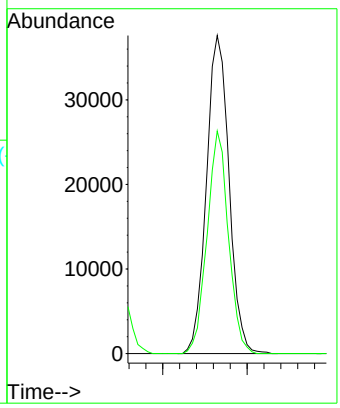


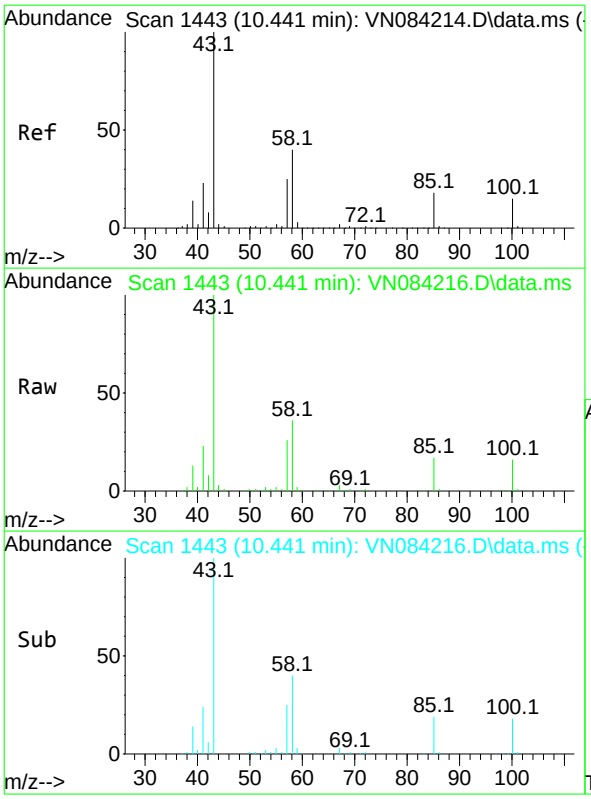


#50
Toluene-d8
Concen: 9.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 98 Resp: 70000

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

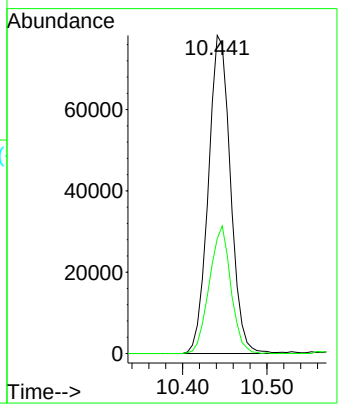




#51
4-Methyl-2-Pentanone
Concen: 50.007 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 142632

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4



Instrument :
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ClientSampleId :
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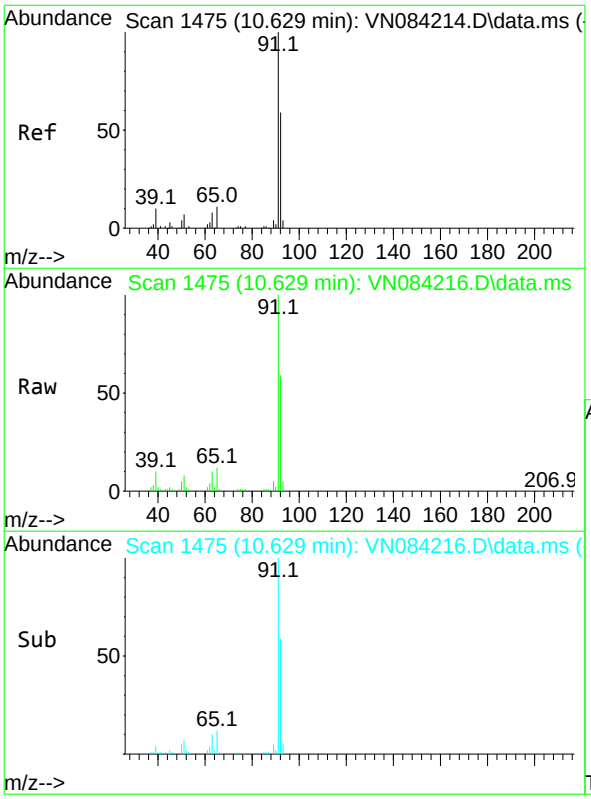
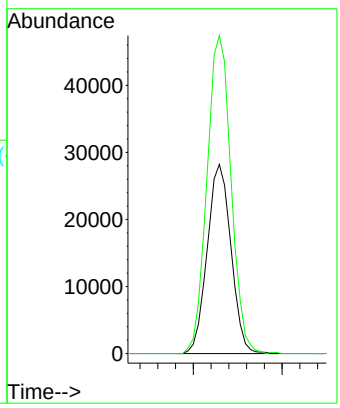
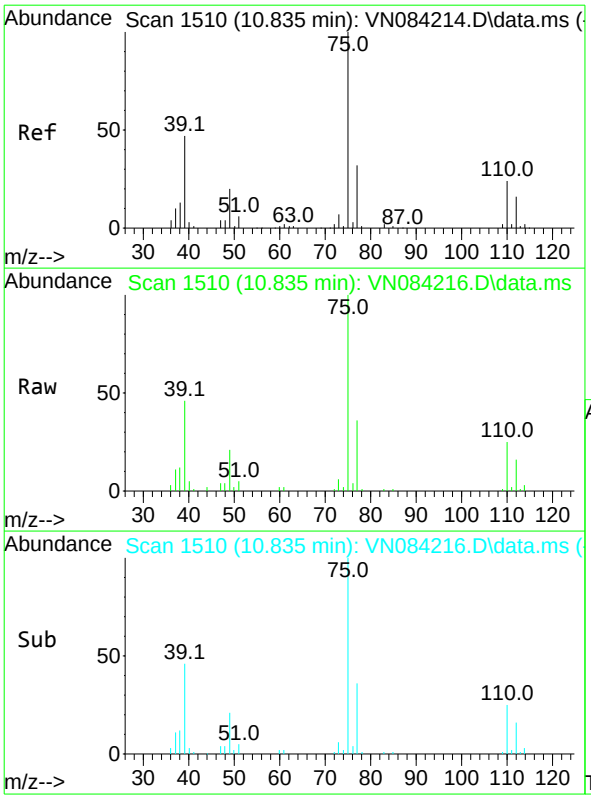


#52
Toluene
Concen: 9.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 92 Resp: 52537

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.3	205.9

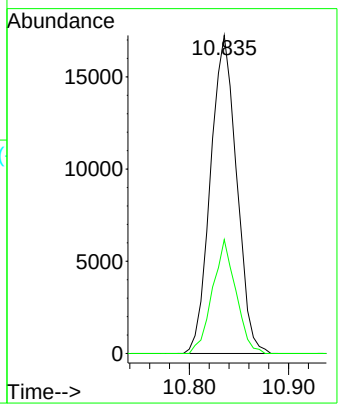




#53
t-1,3-Dichloropropene
Concen: 9.592 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 31555

Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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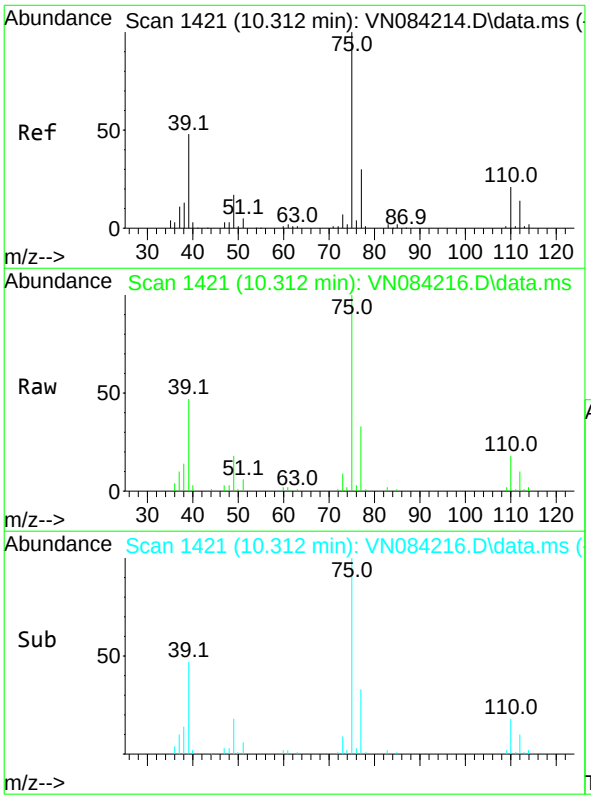
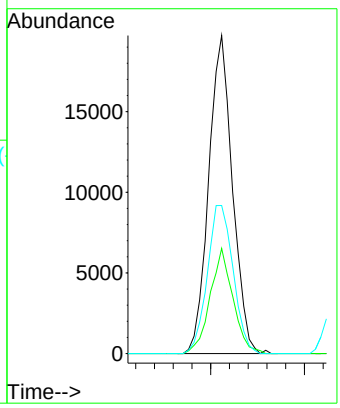
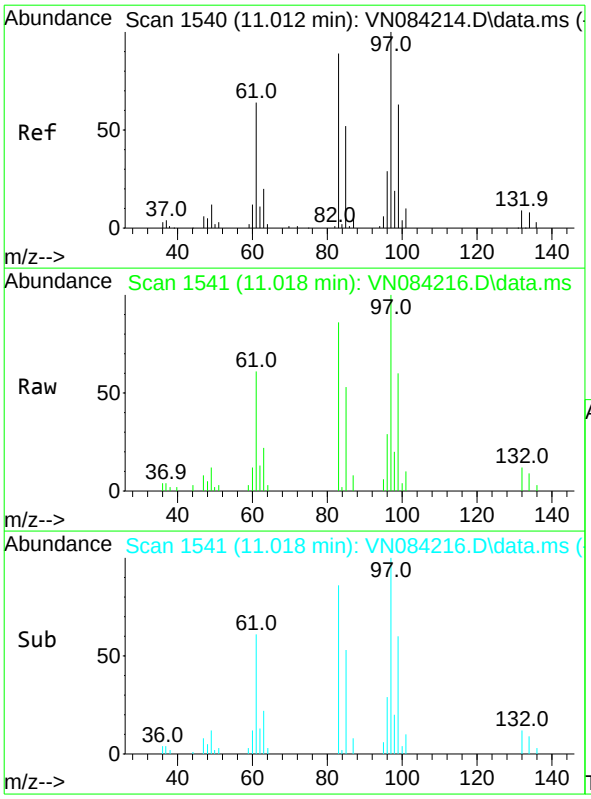


#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 34684

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	46.6	38.7	58.1

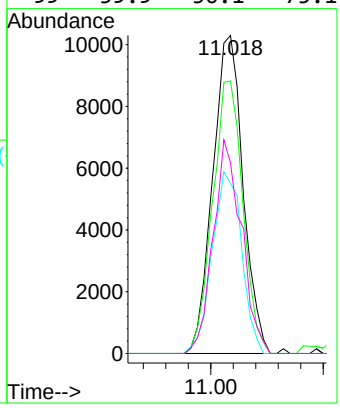




#55
1,1,2-Trichloroethane
Concen: 9.675 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 97 Resp: 19245

Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.0	106.4
85	53.5	41.7	62.5
99	59.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
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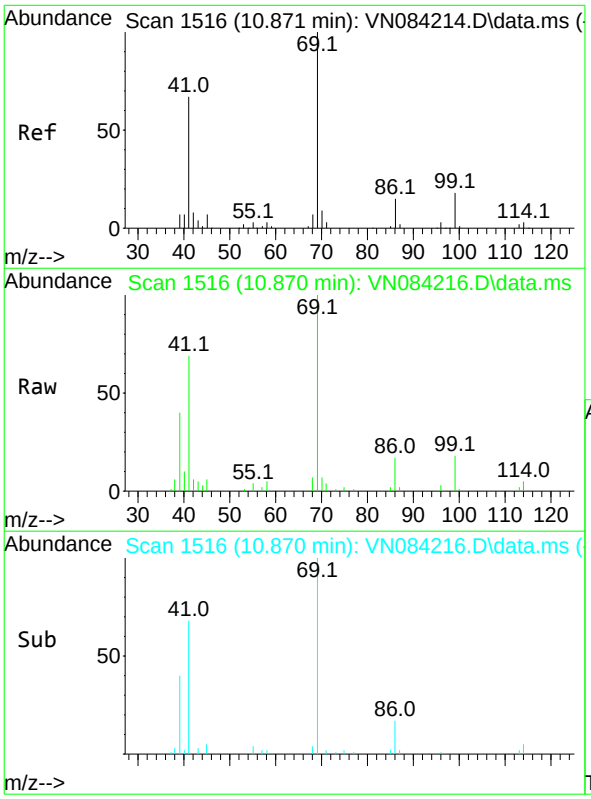
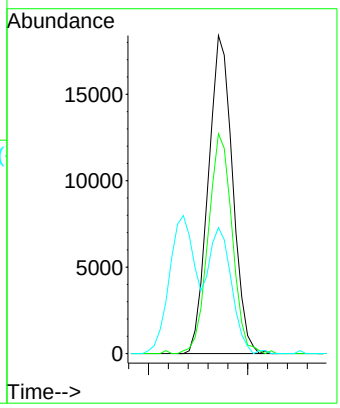
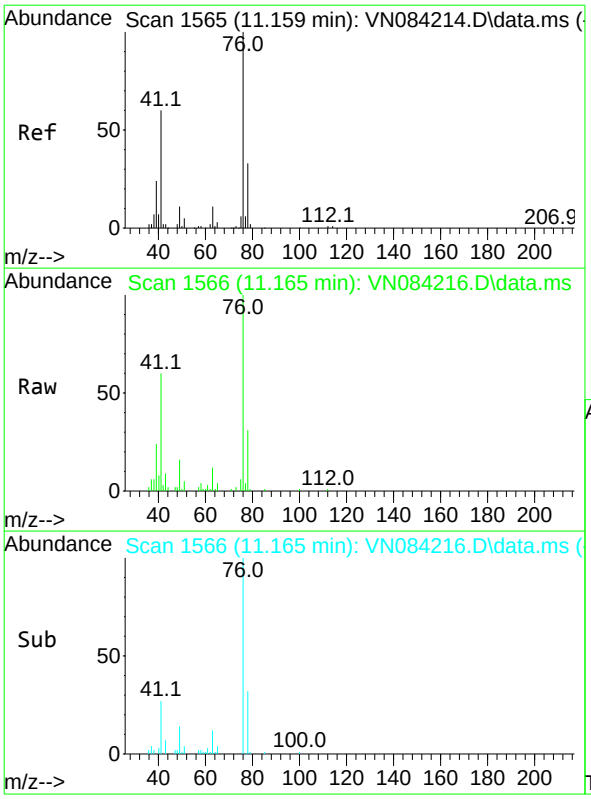


#56
Ethyl methacrylate
Concen: 9.551 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 69 Resp: 31262

Ion	Ratio	Lower	Upper
69	100		
41	68.2	53.3	79.9
39	38.1	28.8	43.2

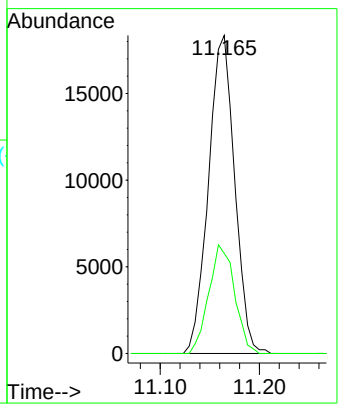




#57
1,3-Dichloropropane
Concen: 9.457 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 76 Resp: 33613

Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6



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ClientSampleId :
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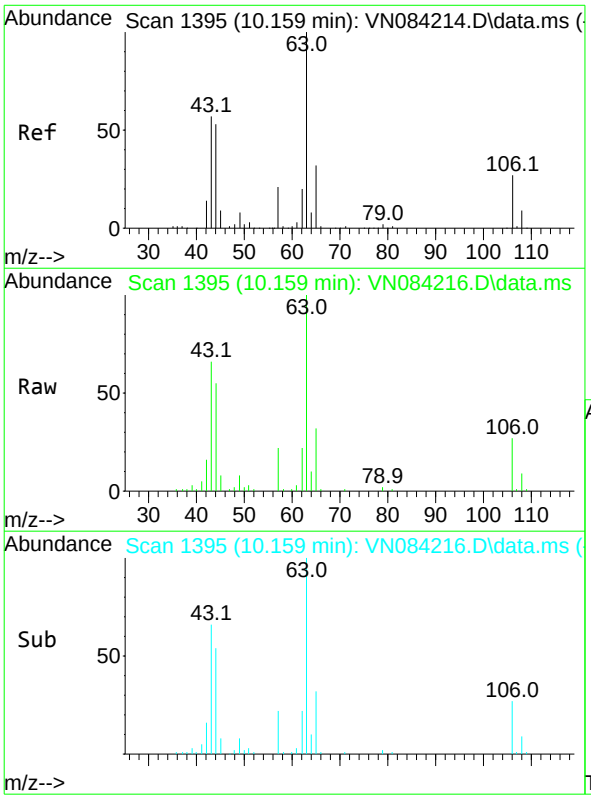
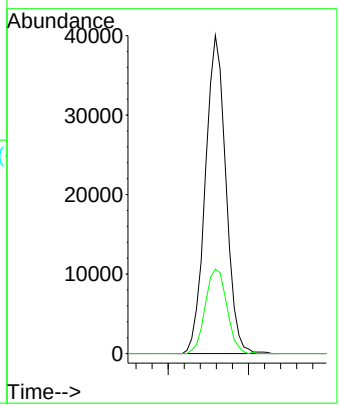
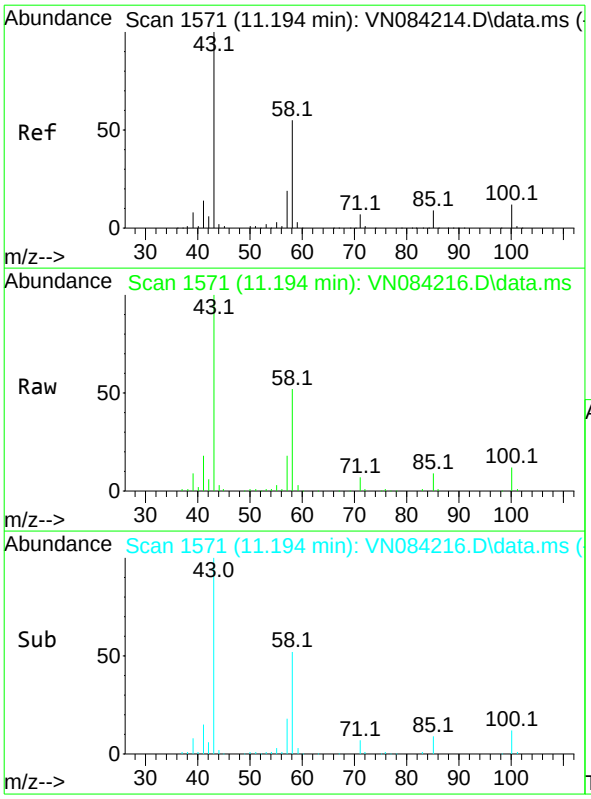


#58
2-Chloroethyl Vinyl ether
Concen: 46.784 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 71035

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6

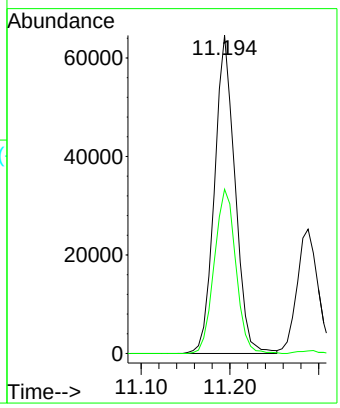




#59
2-Hexanone
Concen: 48.604 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 103615

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.3	81.8



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ClientSampleId :
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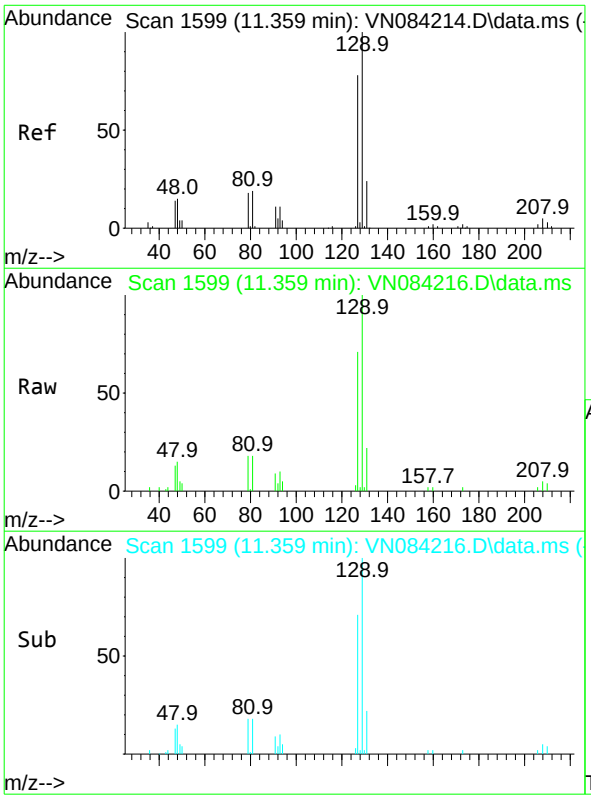
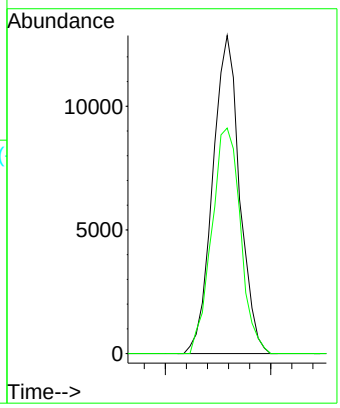
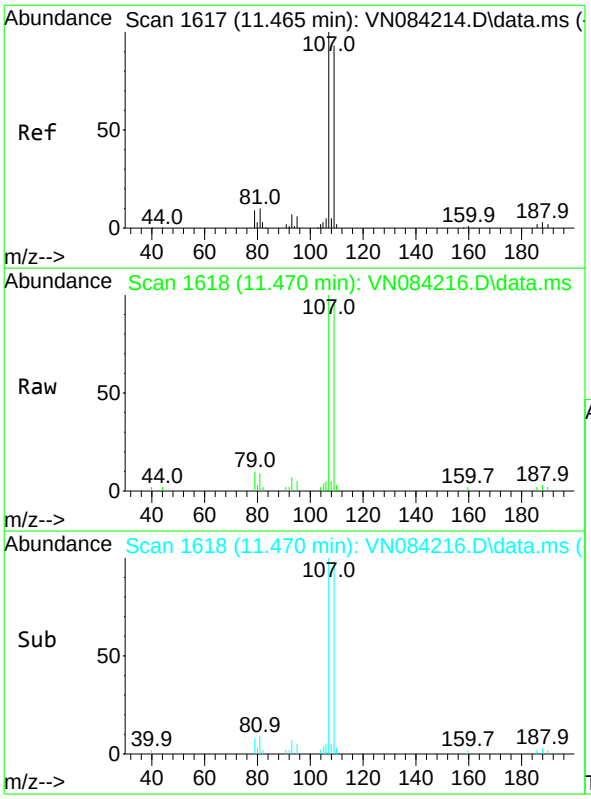


#60
Dibromochloromethane
Concen: 9.715 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:129 Resp: 22833

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9

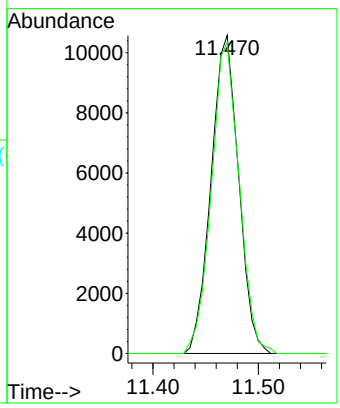




#61
1,2-Dibromoethane
Concen: 9.299 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:107 Resp: 19220

Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.4	113.0



Instrument :
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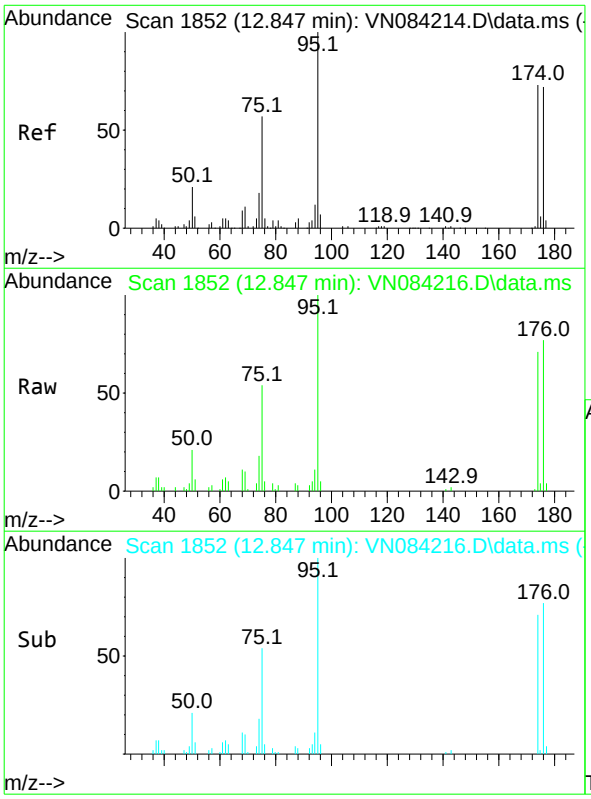
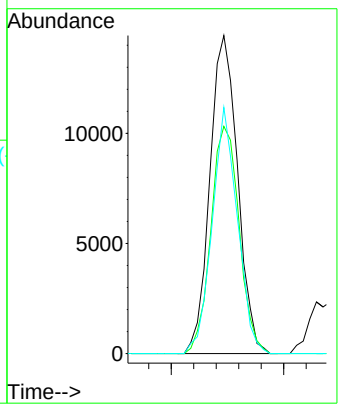
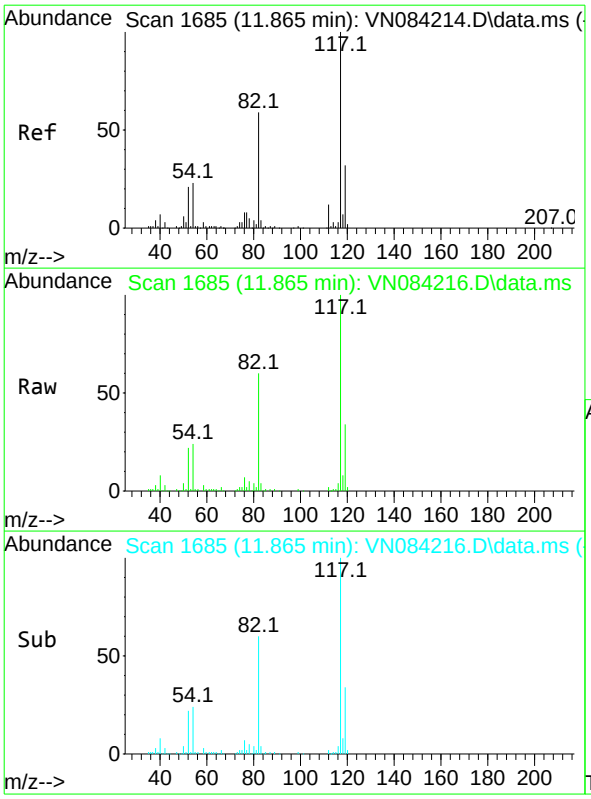


#62
4-Bromofluorobenzene
Concen: 9.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 95 Resp: 24756

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	145.2
176	70.5	0.0	140.0

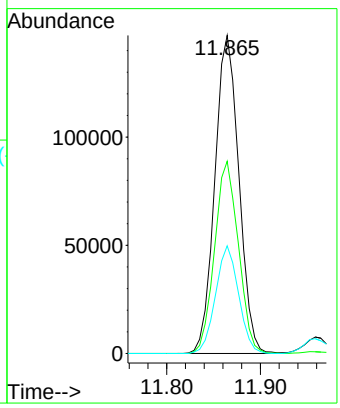




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 262325

Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	33.9	25.4	38.0



Instrument :
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ClientSampleId :
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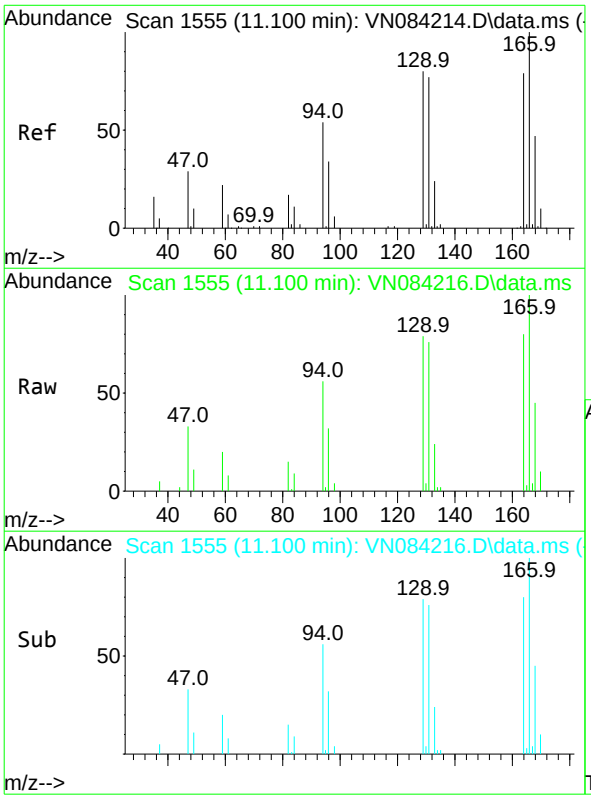
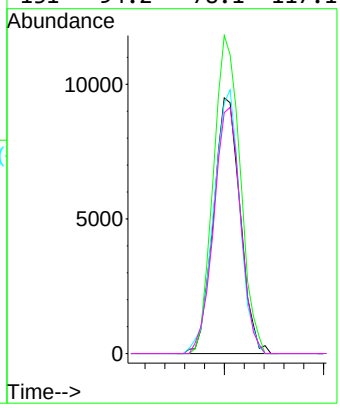
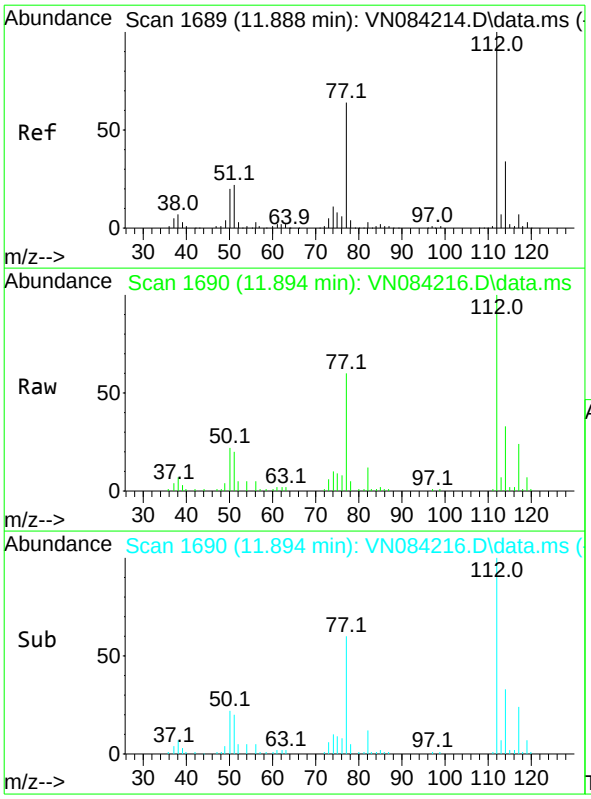


#64
Tetrachloroethene
Concen: 9.711 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:164 Resp: 17743

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.0	151.4
129	98.0	80.8	121.2
131	94.2	78.1	117.1

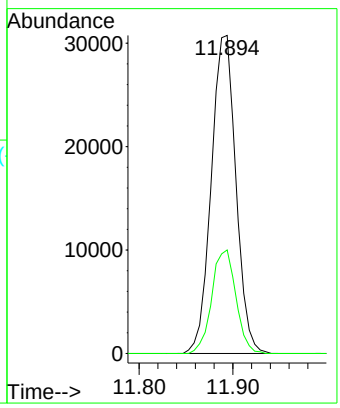




#65
Chlorobenzene
Concen: 9.645 ug/l
RT: 11.894 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:112 Resp: 56099

Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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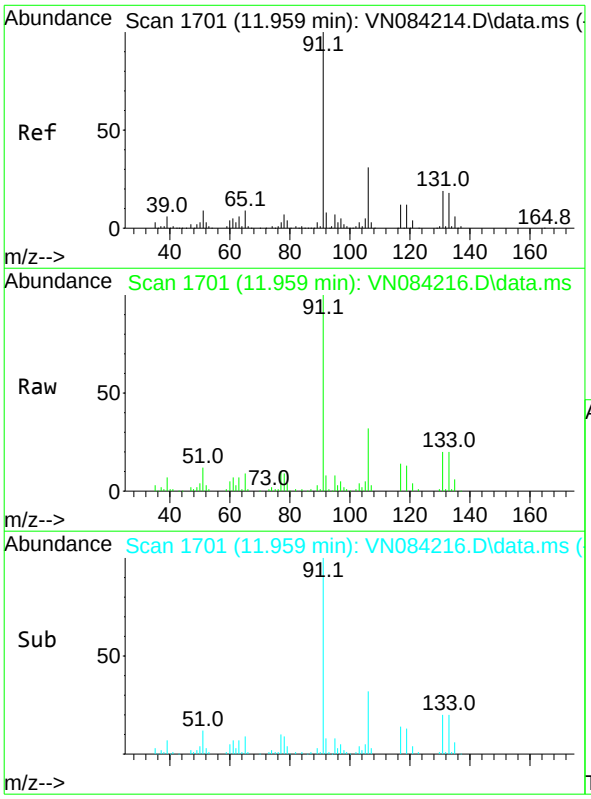
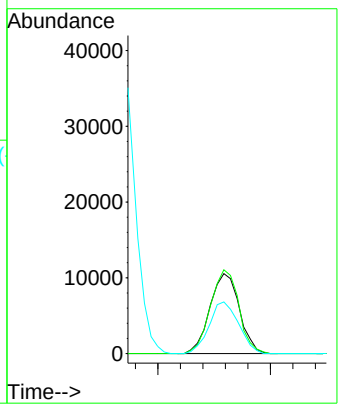
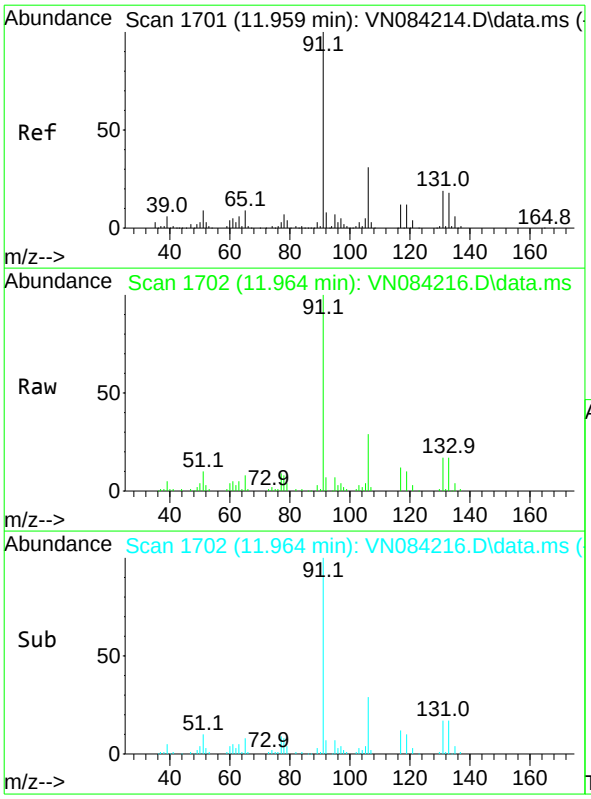


#66
1,1,1,2-Tetrachloroethane
Concen: 9.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:131 Resp: 19227

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.9	143.7
119	64.6	32.8	98.3

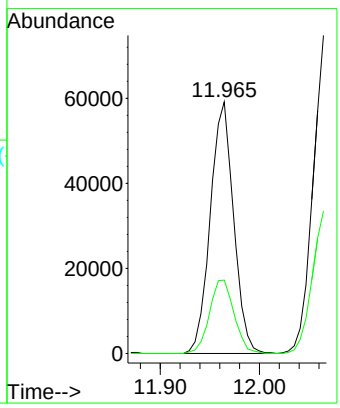




#67
Ethyl Benzene
Concen: 9.385 ug/l
RT: 11.964 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 96533

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.5	36.7



Instrument :
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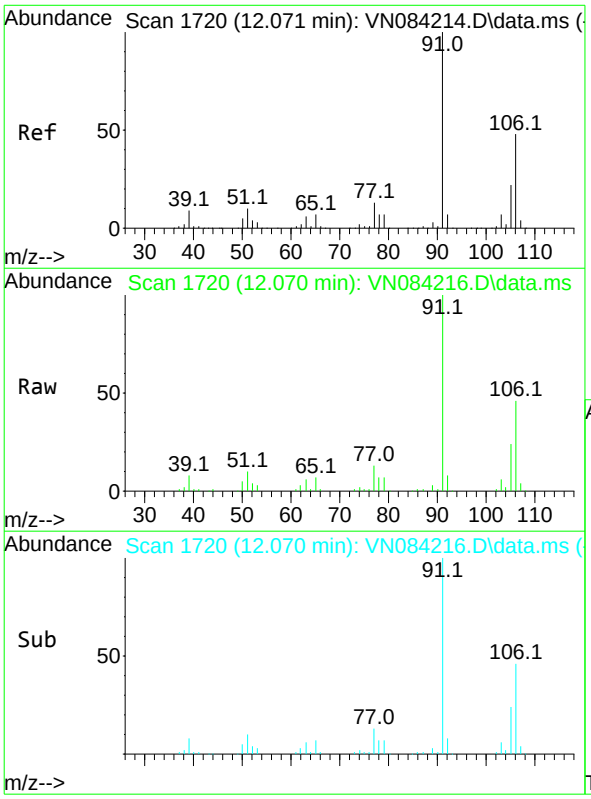
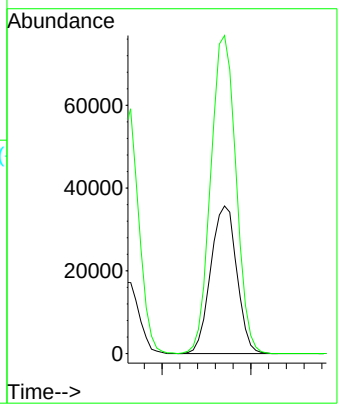
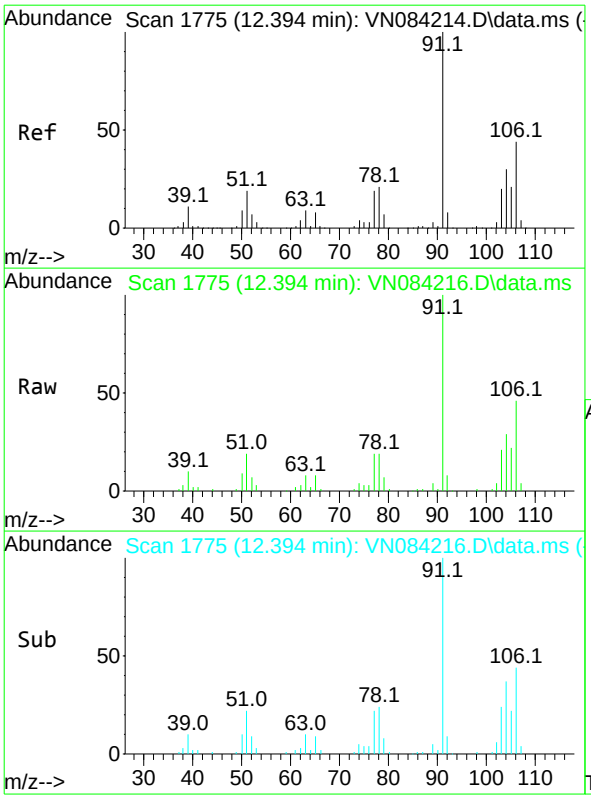


#68
m/p-Xylenes
Concen: 19.162 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 72910

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7

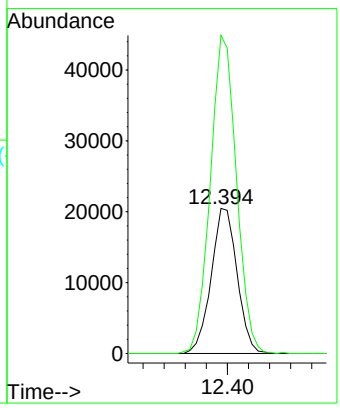




#69
o-Xylene
Concen: 9.713 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 34965

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6



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ClientSampleId :
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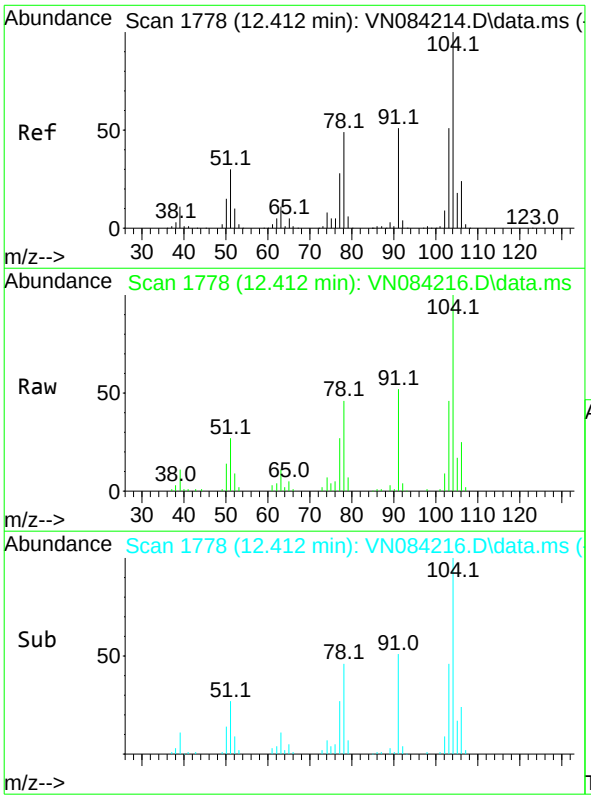
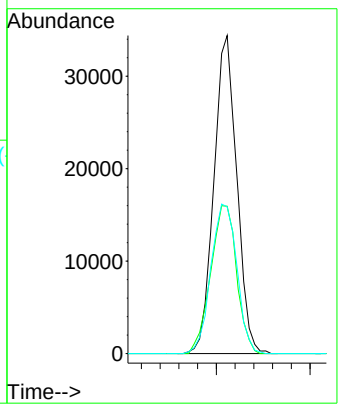
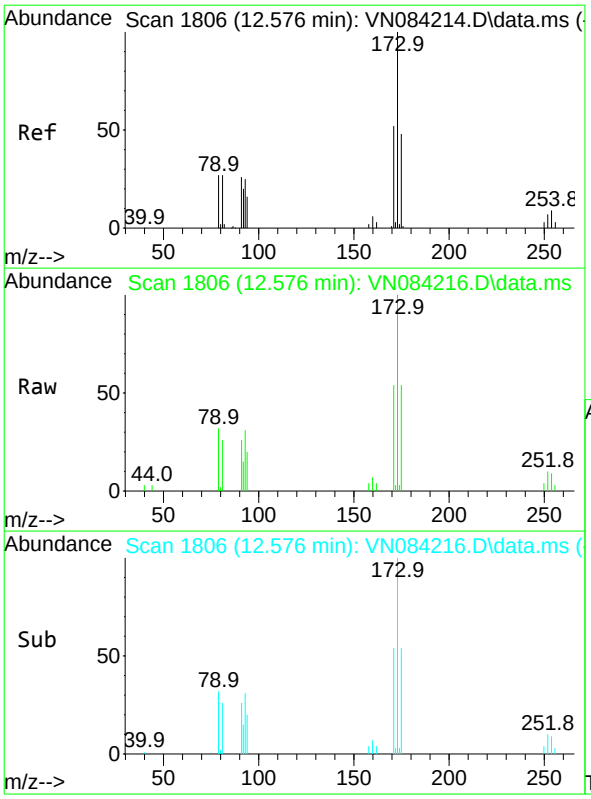


#70
Styrene
Concen: 9.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:104 Resp: 58367

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	53.4	43.6	65.4

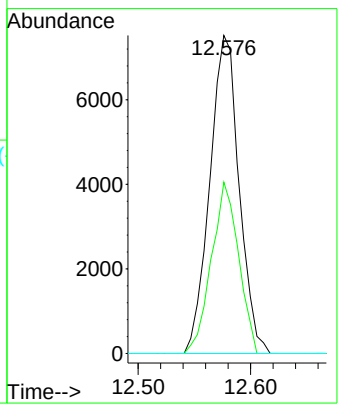




#71
Bromoform
Concen: 9.233 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:173 Resp: 13618

Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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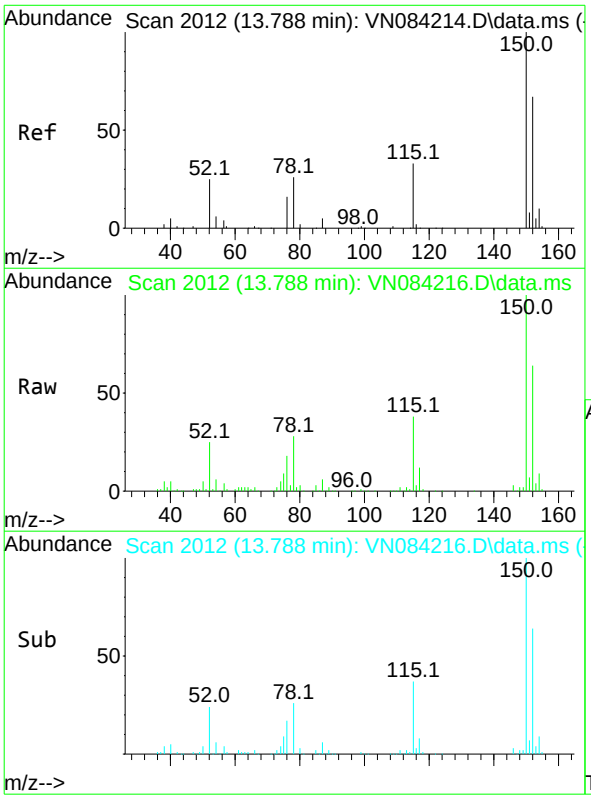
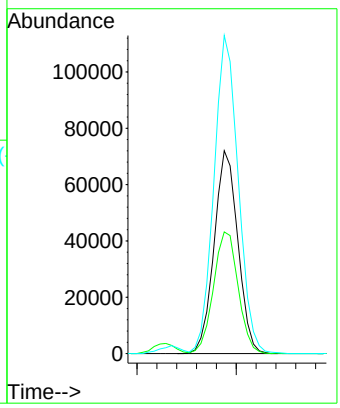
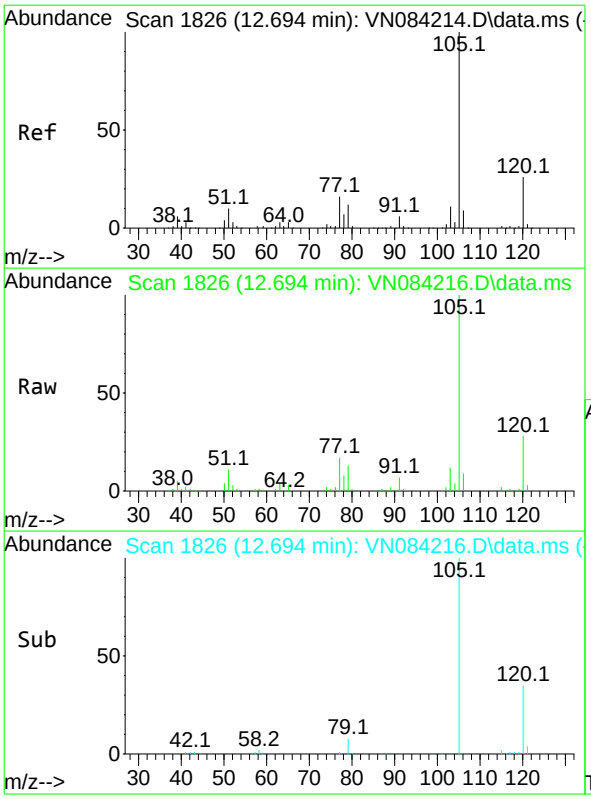


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:152 Resp: 119657

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	160.7	0.0	349.8

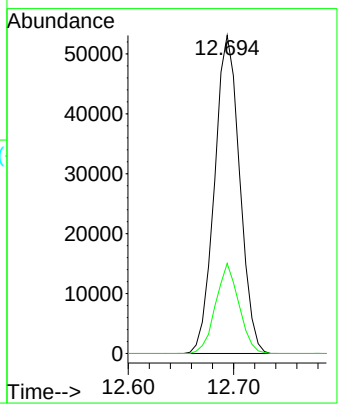




#73
Isopropylbenzene
Concen: 9.638 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 88000

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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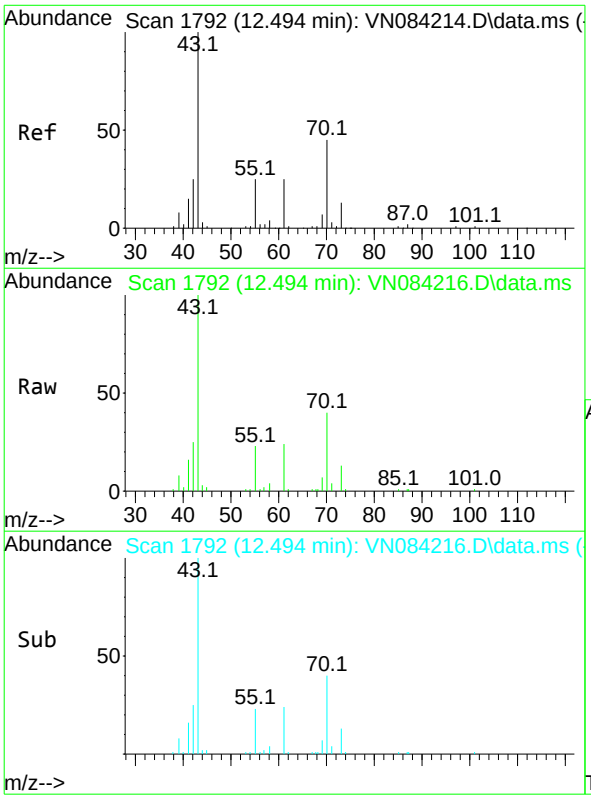
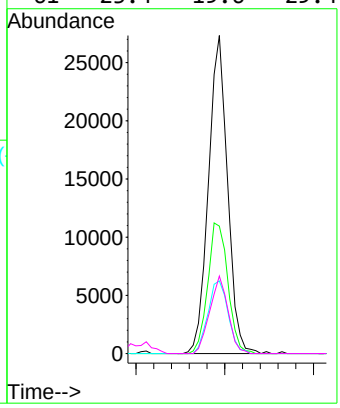
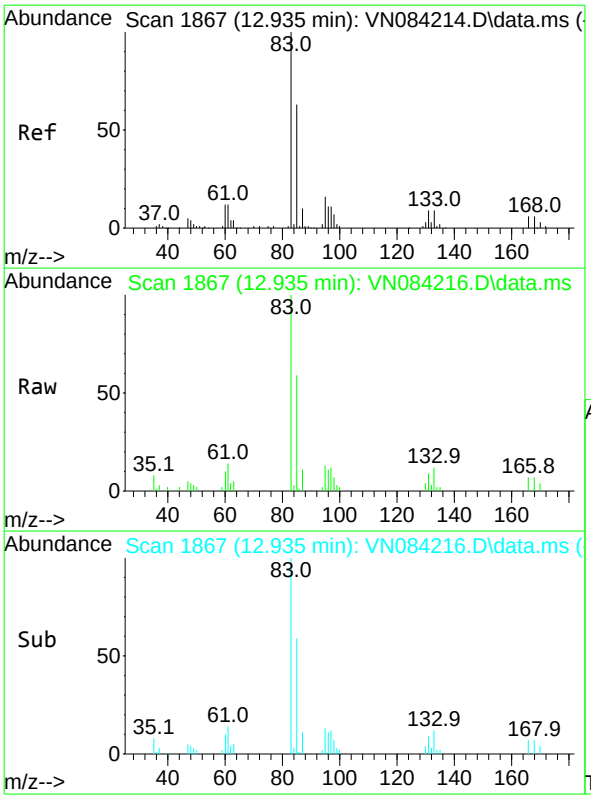


#74
N-amyl acetate
Concen: 9.868 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 40801

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	24.2	19.6	29.4
61	23.4	19.6	29.4

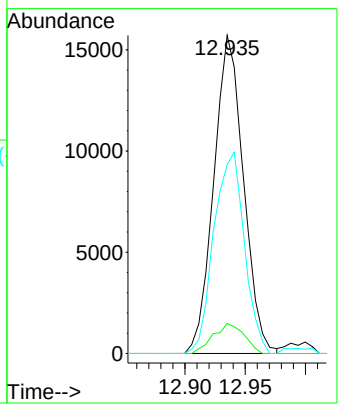




#75
1,1,2,2-Tetrachloroethane
Concen: 9.822 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 26966

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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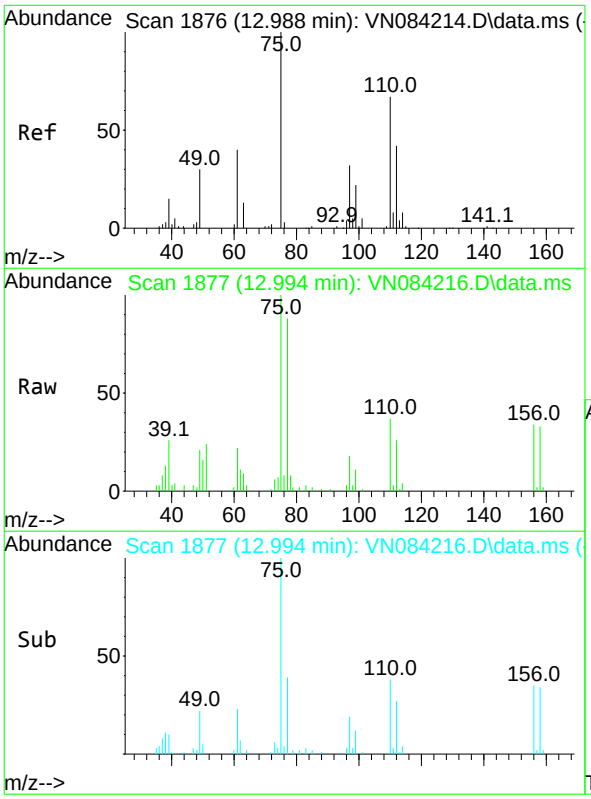
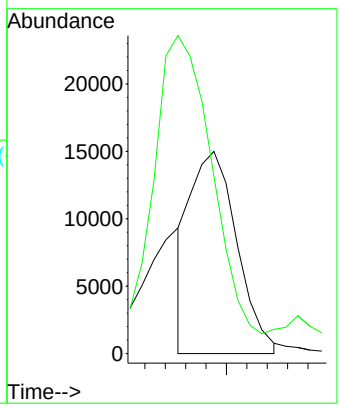
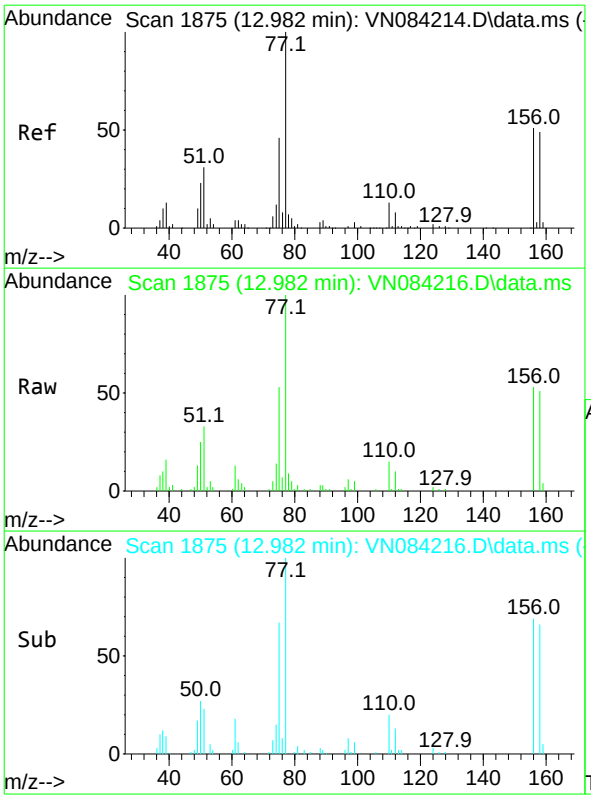


#76
1,2,3-Trichloropropane
Concen: 10.024 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 23907

Ion	Ratio	Lower	Upper
75	100		
77	205.3	96.9	290.7

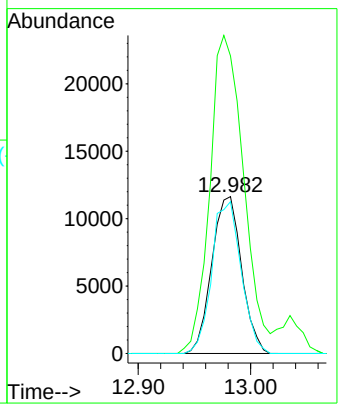




#77
Bromobenzene
Concen: 9.734 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:156 Resp: 21439

Ion	Ratio	Lower	Upper
156	100		
77	229.0	115.1	345.3
158	95.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
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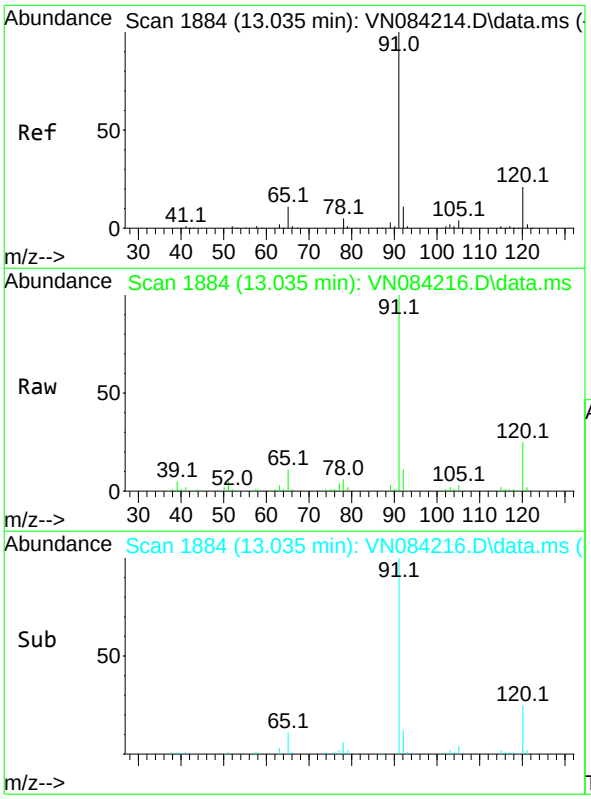
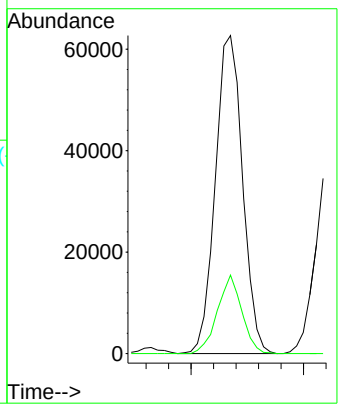
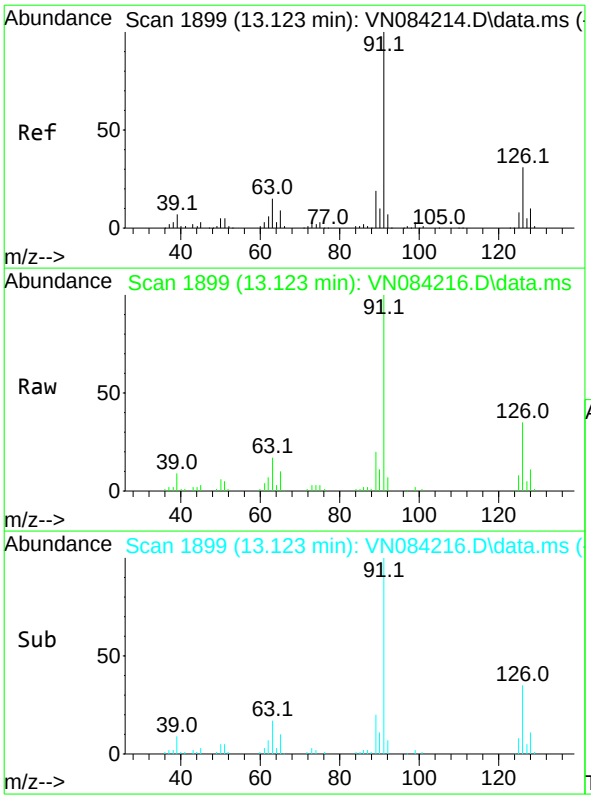


#78
n-propylbenzene
Concen: 9.957 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 105334

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

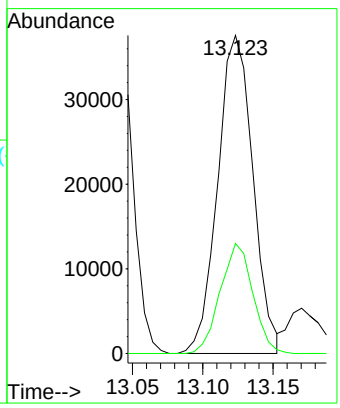




#79
2-Chlorotoluene
Concen: 9.704 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 65511

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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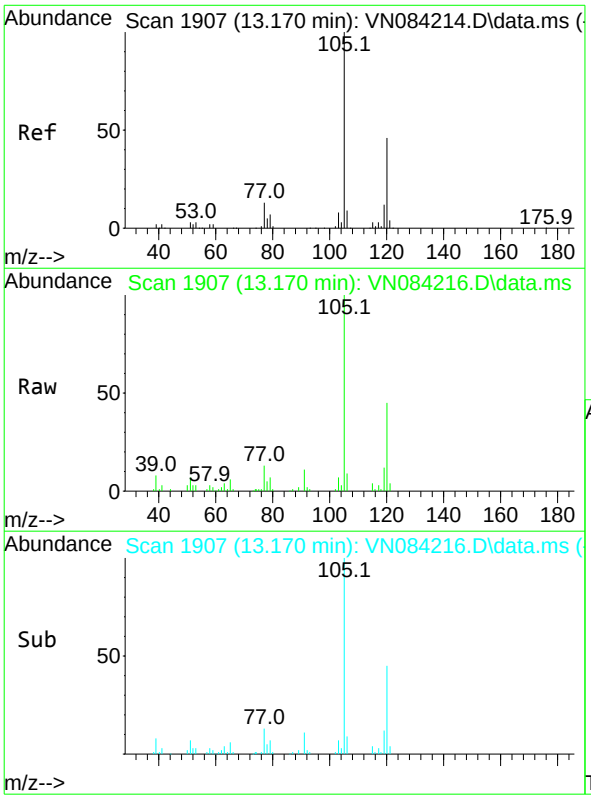
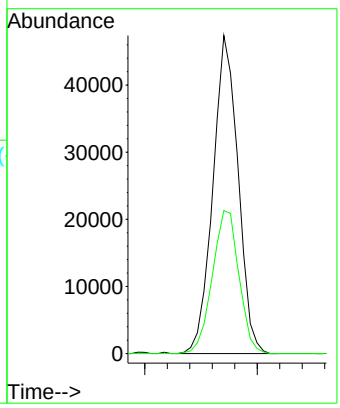
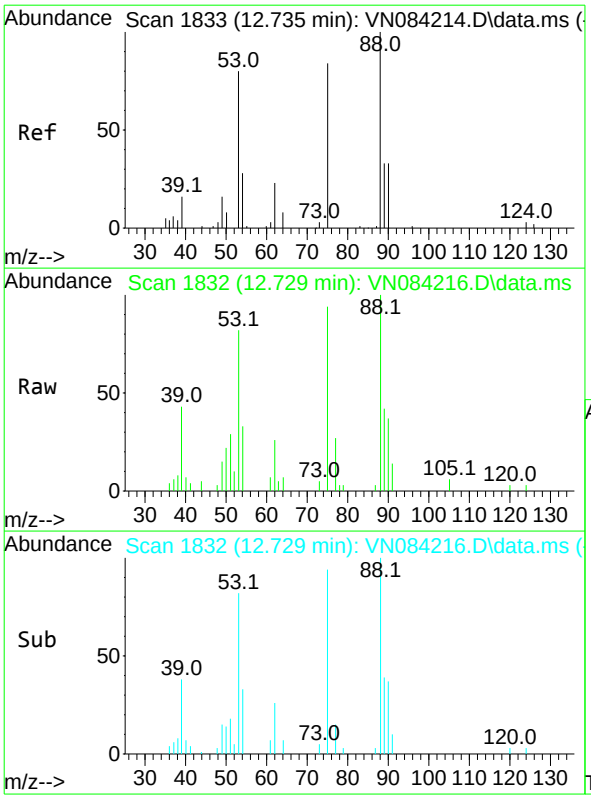


#80
1,3,5-Trimethylbenzene
Concen: 9.887 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 73637

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1

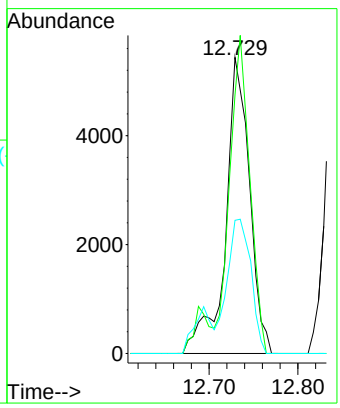




#81
trans-1,4-Dichloro-2-butene
Concen: 10.047 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 10237

Ion	Ratio	Lower	Upper
75	100		
53	89.4	78.0	117.0
89	44.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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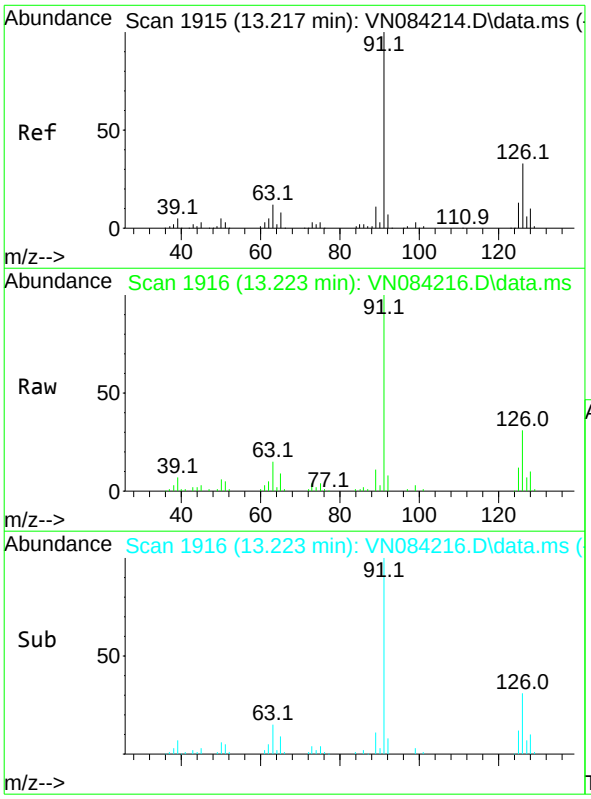
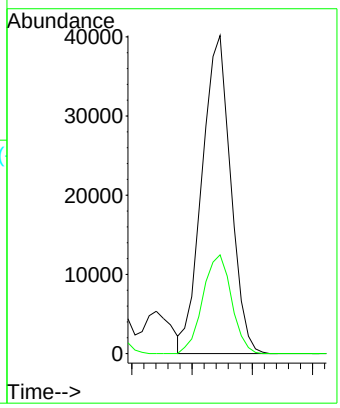
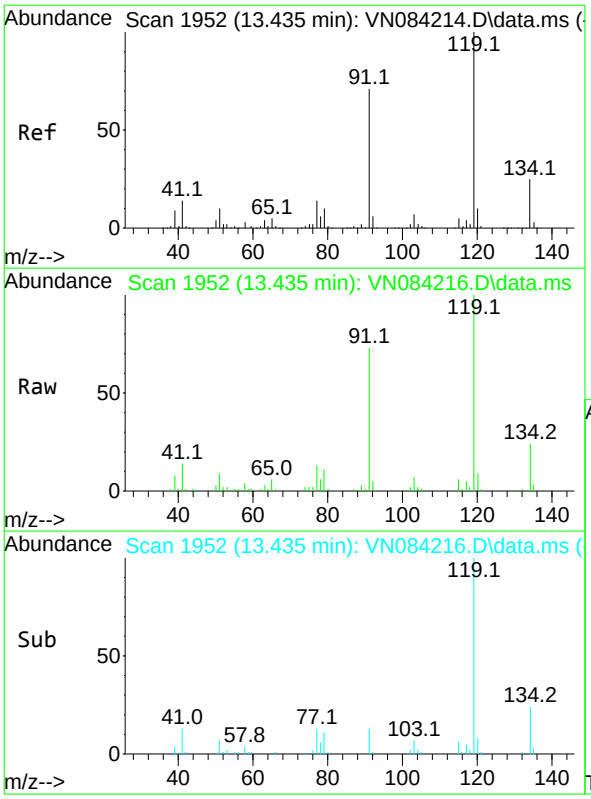


#82
4-Chlorotoluene
Concen: 9.778 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 66449

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1

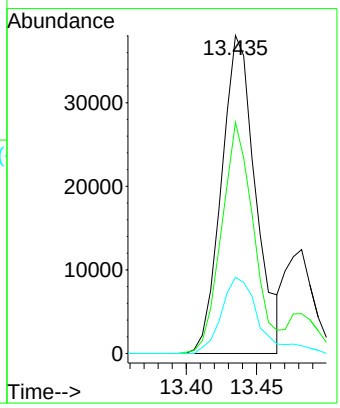




#83
tert-Butylbenzene
Concen: 9.691 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:119 Resp: 64152

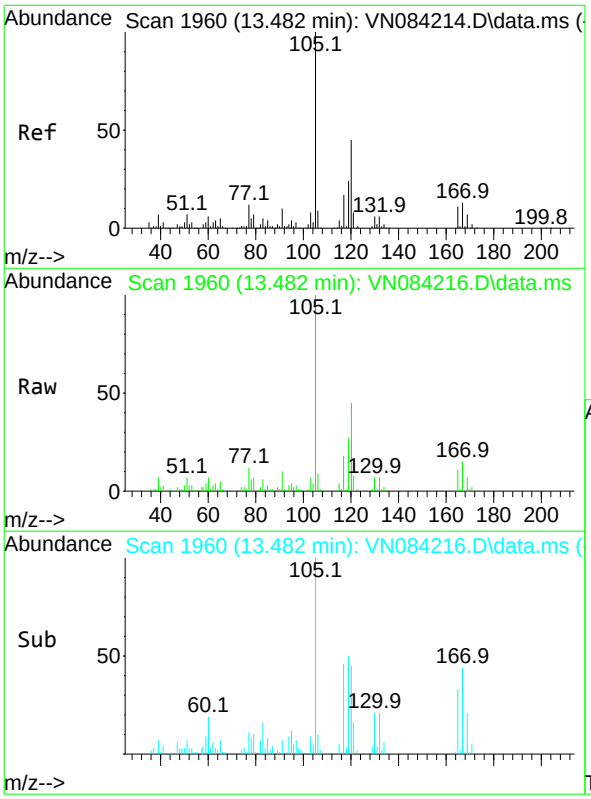
Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	26.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

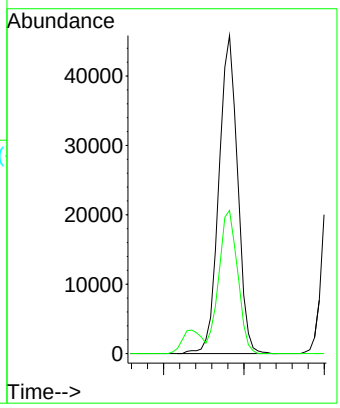
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

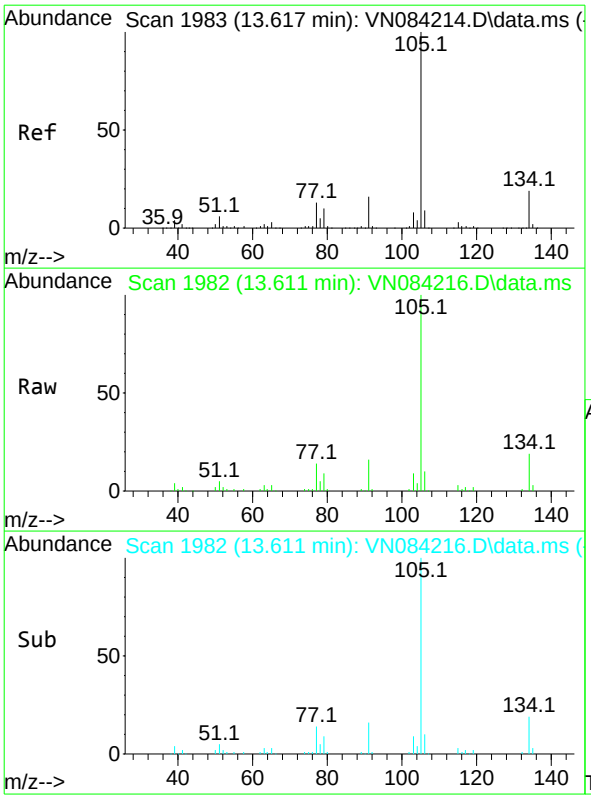


#84
1,2,4-Trimethylbenzene
Concen: 9.895 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 74245

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8

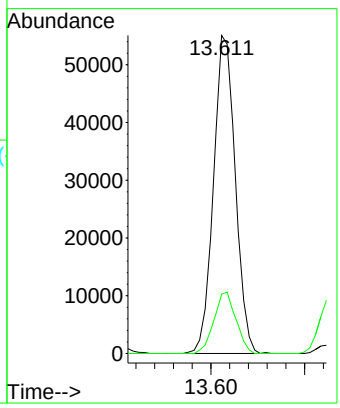




#85
sec-Butylbenzene
Concen: 10.065 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 88913

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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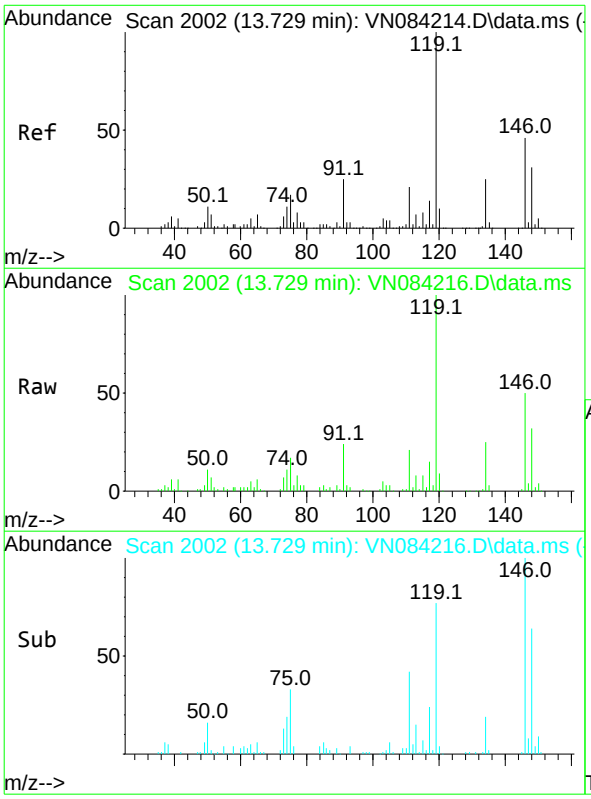
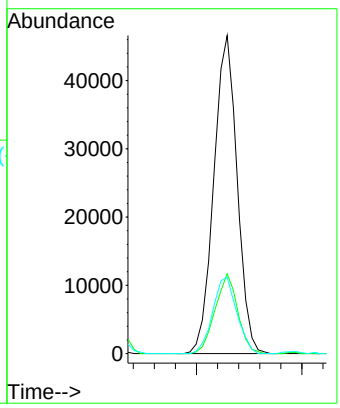
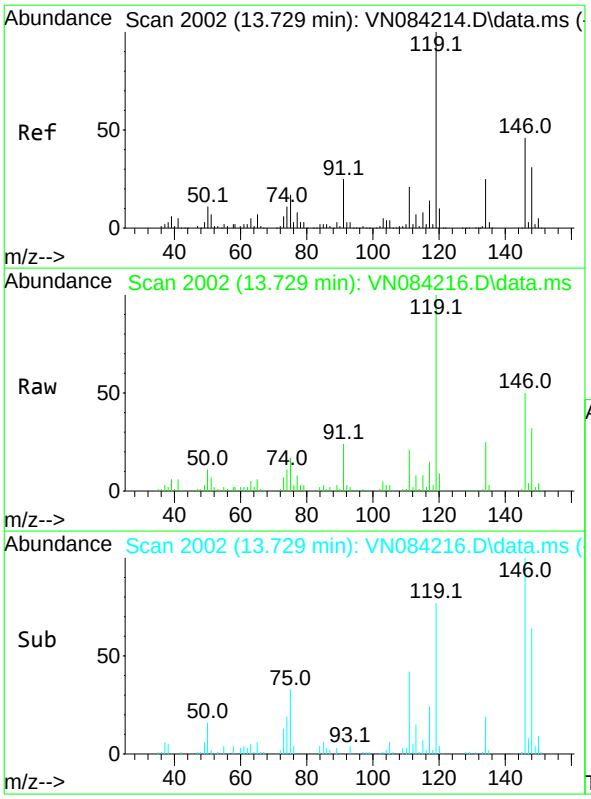


#86
p-Isopropyltoluene
Concen: 9.812 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:119 Resp: 71675

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	24.7	12.4	37.2

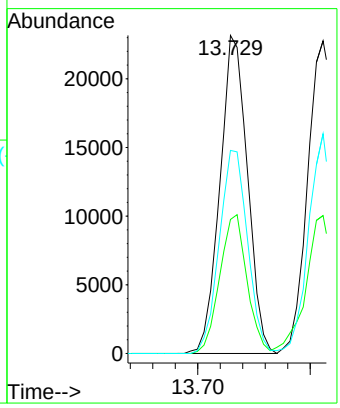




#87
1,3-Dichlorobenzene
Concen: 9.536 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 39402

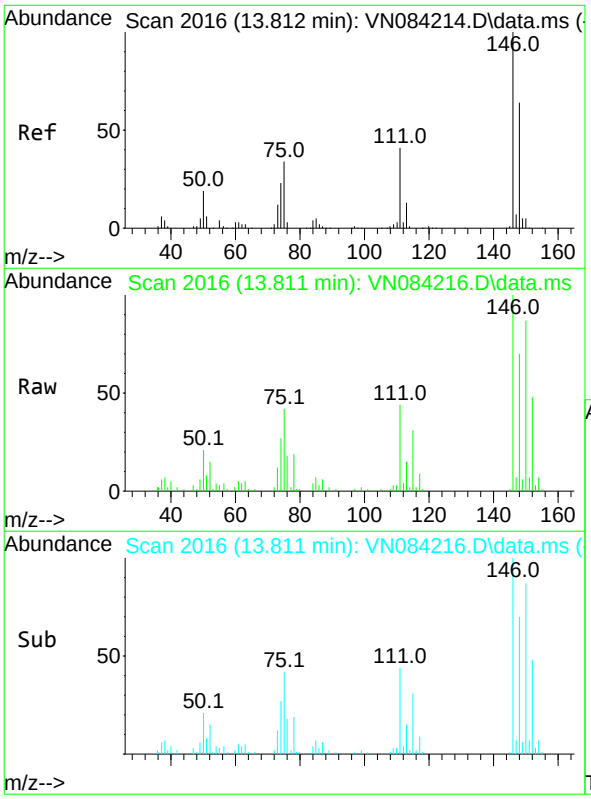
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

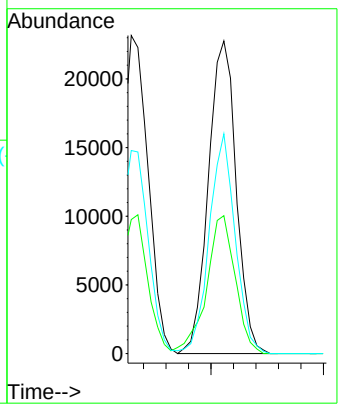
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

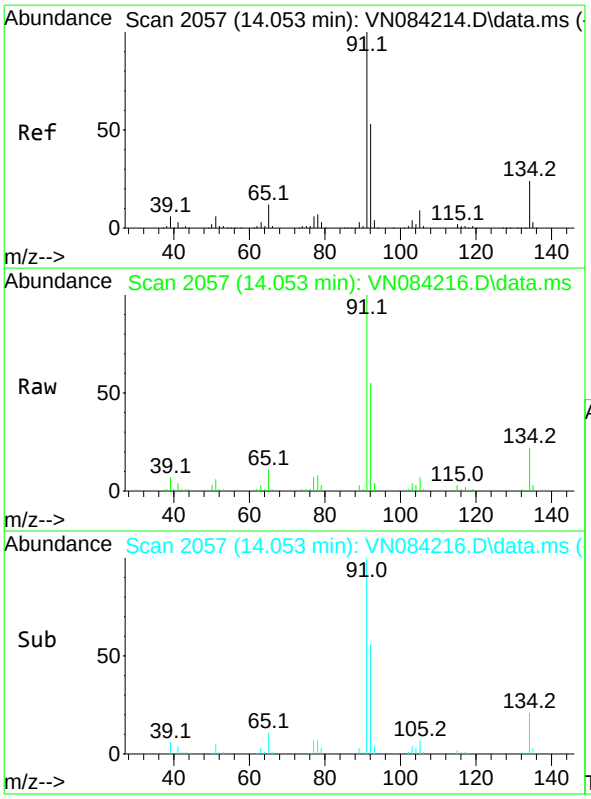


#88
1,4-Dichlorobenzene
Concen: 9.392 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 39191

Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.2	63.6
148	65.5	31.9	95.9

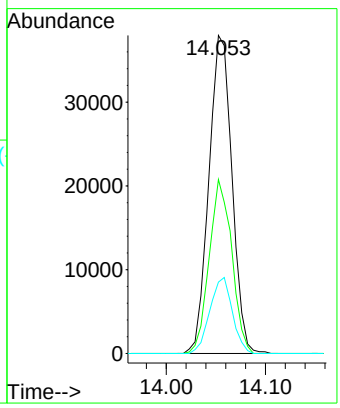




#89
n-Butylbenzene
Concen: 9.273 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 61422

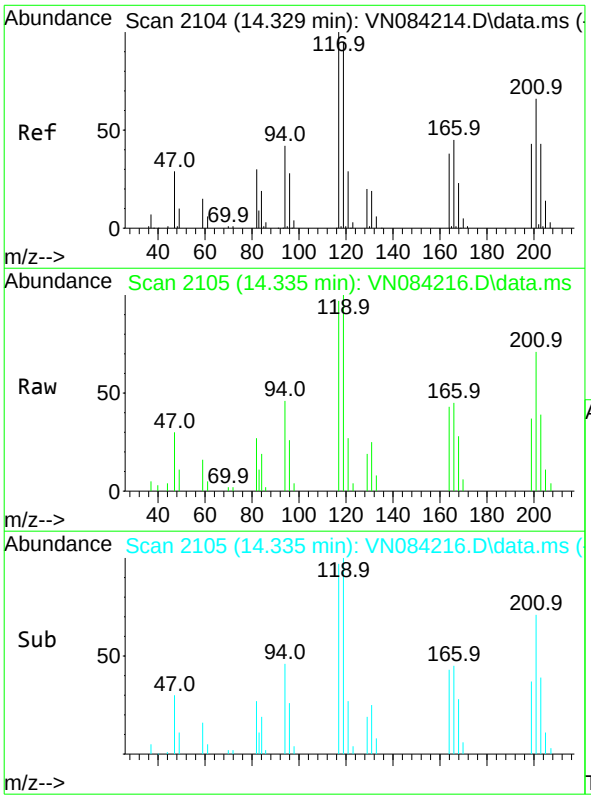
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	23.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

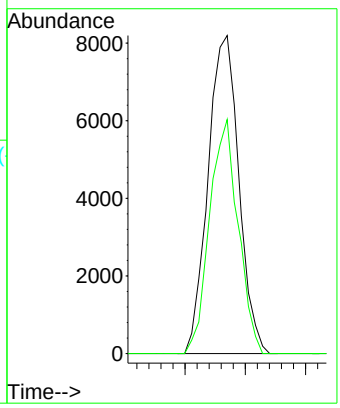
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

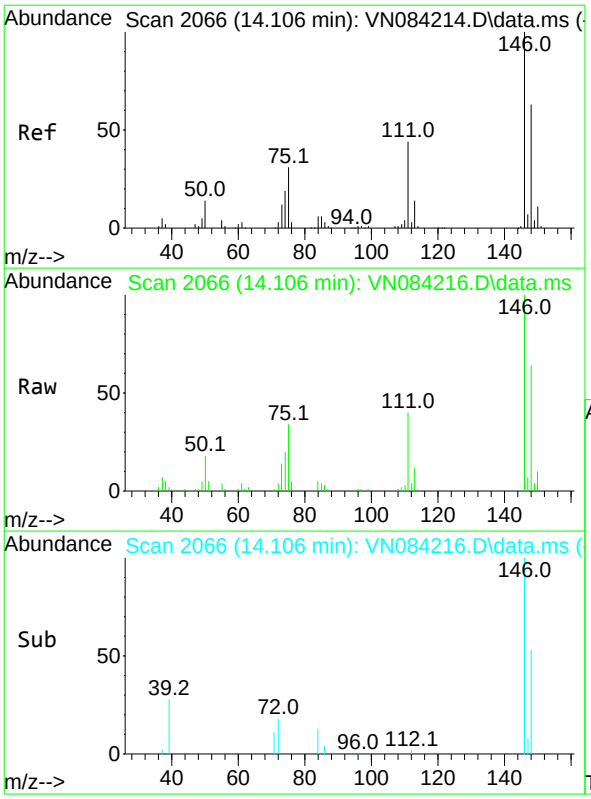


#90
Hexachloroethane
Concen: 9.820 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 14560

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2

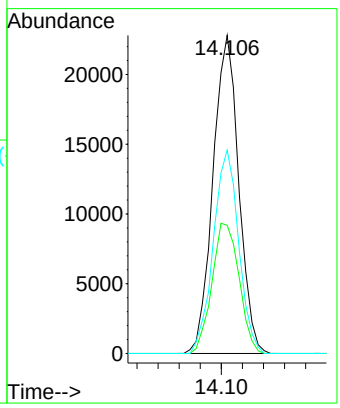




#91
1,2-Dichlorobenzene
Concen: 9.526 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 38594

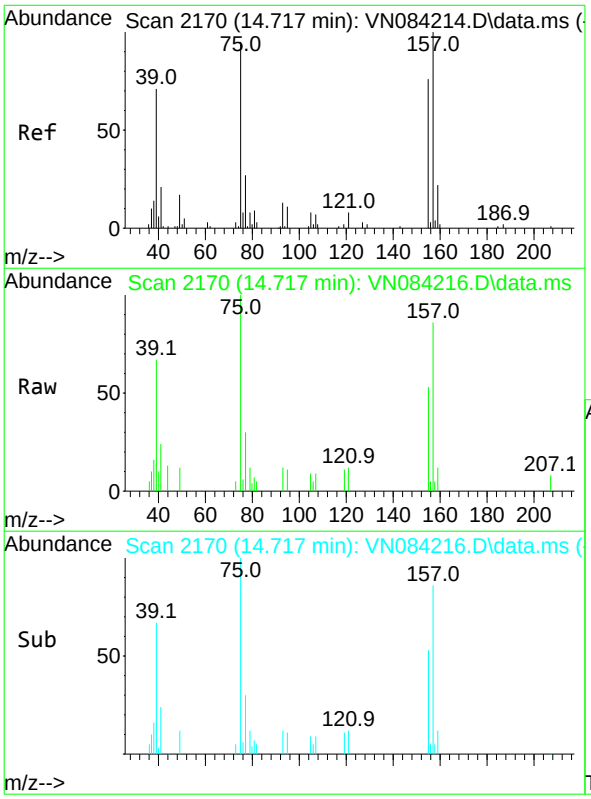
Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

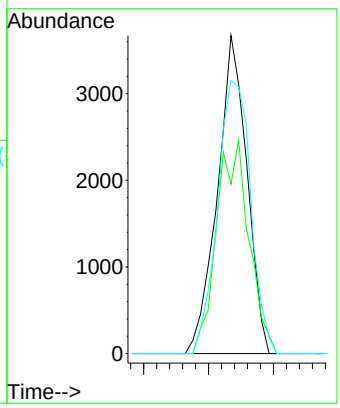
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

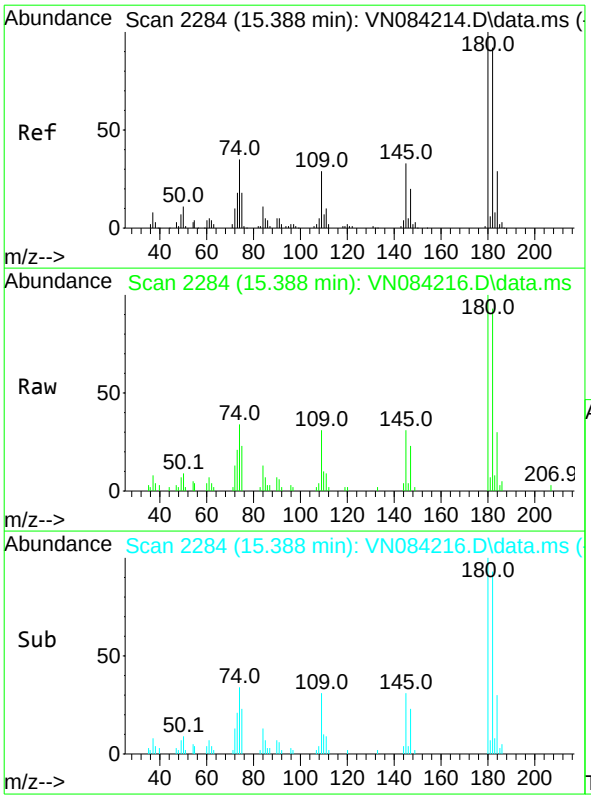


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.235 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 5799

Ion	Ratio	Lower	Upper
75	100		
155	73.5	38.1	114.5
157	96.2	49.6	149.0

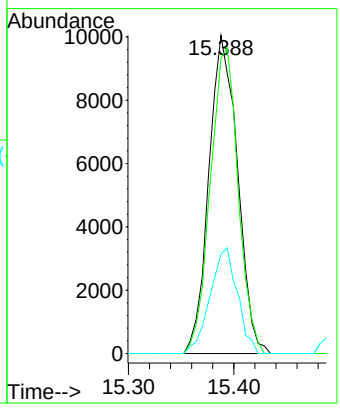




#93
1,2,4-Trichlorobenzene
Concen: 9.501 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:180 Resp: 18960

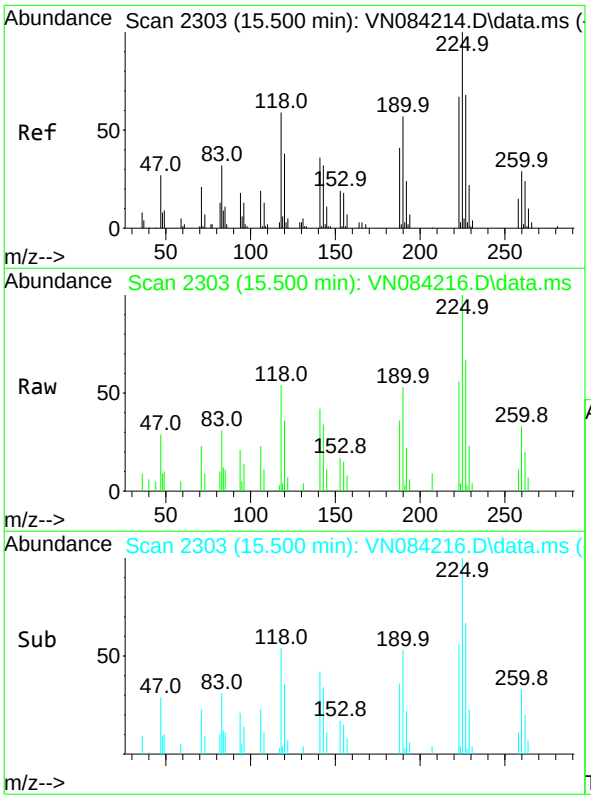
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	31.7	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

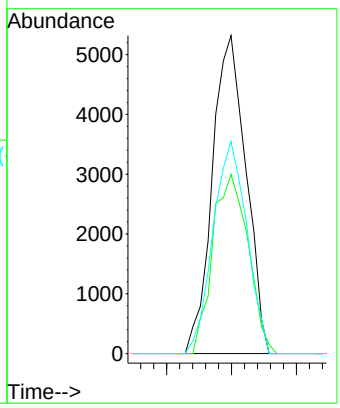
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

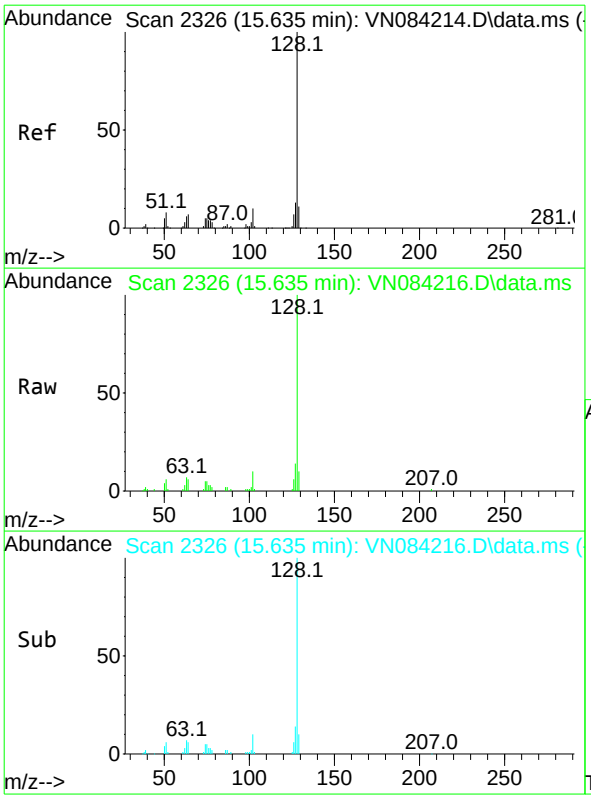


#94
Hexachlorobutadiene
Concen: 9.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:225 Resp: 9592

Ion	Ratio	Lower	Upper
225	100		
223	59.4	32.4	97.2
227	66.8	32.4	97.0

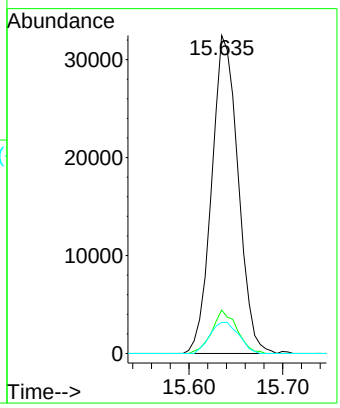




#95
Naphthalene
Concen: 9.613 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:128 Resp: 63596

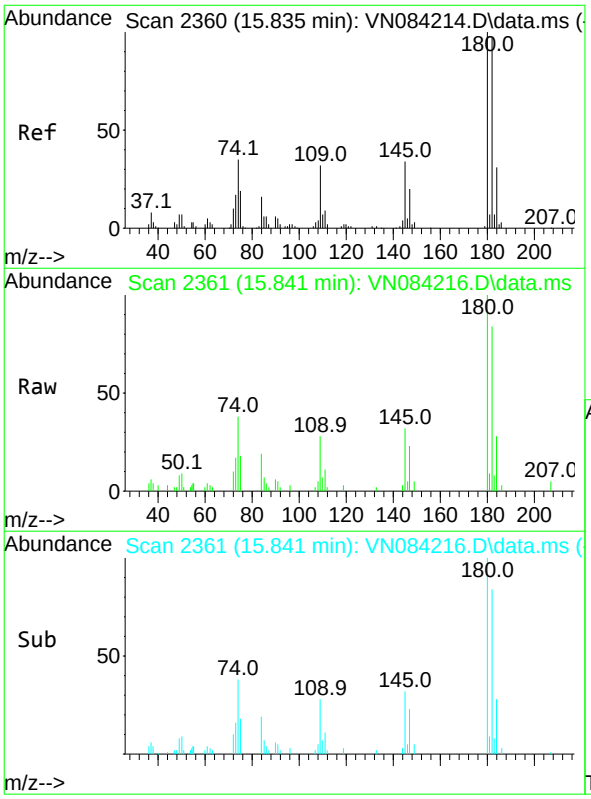
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

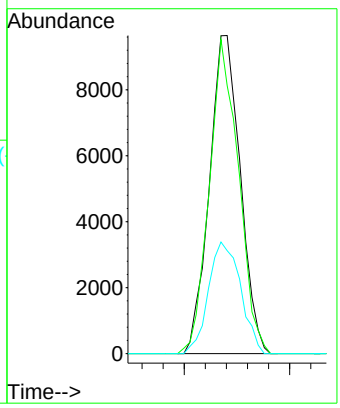
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 9.826 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:180 Resp: 19629

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.2	144.6
145	36.4	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	161547	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	288067	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	245710	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112491	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	13262	5.537	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.080%#			
35) Dibromofluoromethane	8.171	113	10333	5.441	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.880%#			
50) Toluene-d8	10.565	98	35782	5.121	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.240%#			
62) 4-Bromofluorobenzene	12.847	95	13132	5.159	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.320%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	9807	5.132	ug/l		94
3) Chloromethane	2.359	50	12064	5.529	ug/l		92
4) Vinyl Chloride	2.512	62	11701	5.536	ug/l		96
5) Bromomethane	2.947	94	8091	5.804	ug/l		97
6) Chloroethane	3.118	64	8433	5.571	ug/l		94
7) Trichlorofluoromethane	3.495	101	17988	5.466	ug/l		90
8) Diethyl Ether	3.953	74	6430	5.268	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	10220m	5.420	ug/l		
10) Methyl Iodide	4.589	142	12344	5.083	ug/l	#	97
11) Tert butyl alcohol	5.512	59	11537	29.211	ug/l	#	91
12) 1,1-Dichloroethene	4.342	96	10191	5.603	ug/l		95
13) Acrolein	4.177	56	13122	28.940	ug/l		99
14) Allyl chloride	5.030	41	17724	5.611	ug/l		90
15) Acrylonitrile	5.718	53	26537	26.607	ug/l		99
16) Acetone	4.430	43	27153	26.389	ug/l		95
17) Carbon Disulfide	4.712	76	30816	5.351	ug/l		97
18) Methyl Acetate	5.024	43	12354	5.509	ug/l	#	72
19) Methyl tert-butyl Ether	5.800	73	33101	5.392	ug/l		97
20) Methylene Chloride	5.265	84	10809	5.168	ug/l		96
21) trans-1,2-Dichloroethene	5.789	96	10126m	5.314	ug/l		
22) Diisopropyl ether	6.671	45	35654	5.457	ug/l		99
23) Vinyl Acetate	6.606	43	128057m	26.284	ug/l		
24) 1,1-Dichloroethane	6.565	63	19800	5.419	ug/l		95
25) 2-Butanone	7.482	43	37739	26.929	ug/l		99
26) 2,2-Dichloropropane	7.488	77	17552	5.327	ug/l		98
27) cis-1,2-Dichloroethene	7.488	96	12388	5.380	ug/l		99
28) Bromochloromethane	7.812	49	9996	6.131	ug/l	#	95
29) Tetrahydrofuran	7.841	42	23456	27.121	ug/l		97
30) Chloroform	7.965	83	20341	5.359	ug/l		92
31) Cyclohexane	8.259	56	21337	6.014	ug/l		99
32) 1,1,1-Trichloroethane	8.171	97	18635	5.467	ug/l	#	53
36) 1,1-Dichloropropene	8.371	75	14527	5.266	ug/l		99
37) Ethyl Acetate	7.565	43	16138	5.702	ug/l		97
38) Carbon Tetrachloride	8.359	117	15700	5.188	ug/l		95
39) Methylcyclohexane	9.594	83	15377	5.009	ug/l		94
40) Benzene	8.606	78	45343	5.276	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	7878	5.128	ug/l		93
42) 1,2-Dichloroethane	8.677	62	15661	5.375	ug/l		99
43) Isopropyl Acetate	8.682	43	28029m	5.059	ug/l		
44) Trichloroethene	9.347	130	10921	5.440	ug/l		87
45) 1,2-Dichloropropane	9.618	63	11181	5.499	ug/l		95
46) Dibromomethane	9.706	93	7207	5.253	ug/l		93
47) Bromodichloromethane	9.888	83	16407	5.382	ug/l	#	97
48) Methyl methacrylate	9.676	41	11766	5.332	ug/l		97
49) 1,4-Dioxane	9.688	88	4121	101.444	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.441	43	69730	25.883	ug/l		99
52) Toluene	10.629	92	26489	5.054	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	16242	5.227	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	17448	5.220	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	9805	5.219	ug/l		89
56) Ethyl methacrylate	10.876	69	15794	5.109	ug/l		96
57) 1,3-Dichloropropane	11.159	76	17954	5.348	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	38417	26.787	ug/l		99
59) 2-Hexanone	11.194	43	51488	25.570	ug/l		98
60) Dibromochloromethane	11.359	129	11412	5.141	ug/l		96
61) 1,2-Dibromoethane	11.470	107	10394	5.324	ug/l		98
64) Tetrachloroethene	11.106	164	9167	5.356	ug/l		90
65) Chlorobenzene	11.888	112	28818	5.290	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	10054	5.358	ug/l		97
67) Ethyl Benzene	11.965	91	49891	5.178	ug/l		97
68) m/p-Xylenes	12.065	106	35820	10.051	ug/l		98
69) o-Xylene	12.400	106	18041	5.350	ug/l		96
70) Styrene	12.412	104	28472	4.985	ug/l		99
71) Bromoform	12.582	173	7067	5.115	ug/l	#	95
73) Isopropylbenzene	12.694	105	43468	5.064	ug/l		98
74) N-amyl acetate	12.494	43	19775	5.087	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	14517	5.624	ug/l		94
76) 1,2,3-Trichloropropane	12.994	75	14072m	6.276	ug/l		
77) Bromobenzene	12.976	156	11049	5.336	ug/l		99
78) n-propylbenzene	13.035	91	51120	5.140	ug/l		99
79) 2-Chlorotoluene	13.123	91	33161	5.225	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	36100	5.156	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	4595	4.797	ug/l	#	79
82) 4-Chlorotoluene	13.223	91	33382	5.225	ug/l		99
83) tert-Butylbenzene	13.435	119	31990	5.140	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	36099	5.118	ug/l		100
85) sec-Butylbenzene	13.612	105	40954	4.931	ug/l		98
86) p-Isopropyltoluene	13.729	119	34083	4.963	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	20730	5.337	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	21249	5.417	ug/l		96
89) n-Butylbenzene	14.059	91	30253	4.858	ug/l		99
90) Hexachloroethane	14.329	117	7628	5.472	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	19905	5.226	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3046	5.719	ug/l		92
93) 1,2,4-Trichlorobenzene	15.394	180	9439	5.031	ug/l		95
94) Hexachlorobutadiene	15.500	225	5174	5.530	ug/l		89
95) Naphthalene	15.641	128	30391	4.886	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	9245	4.923	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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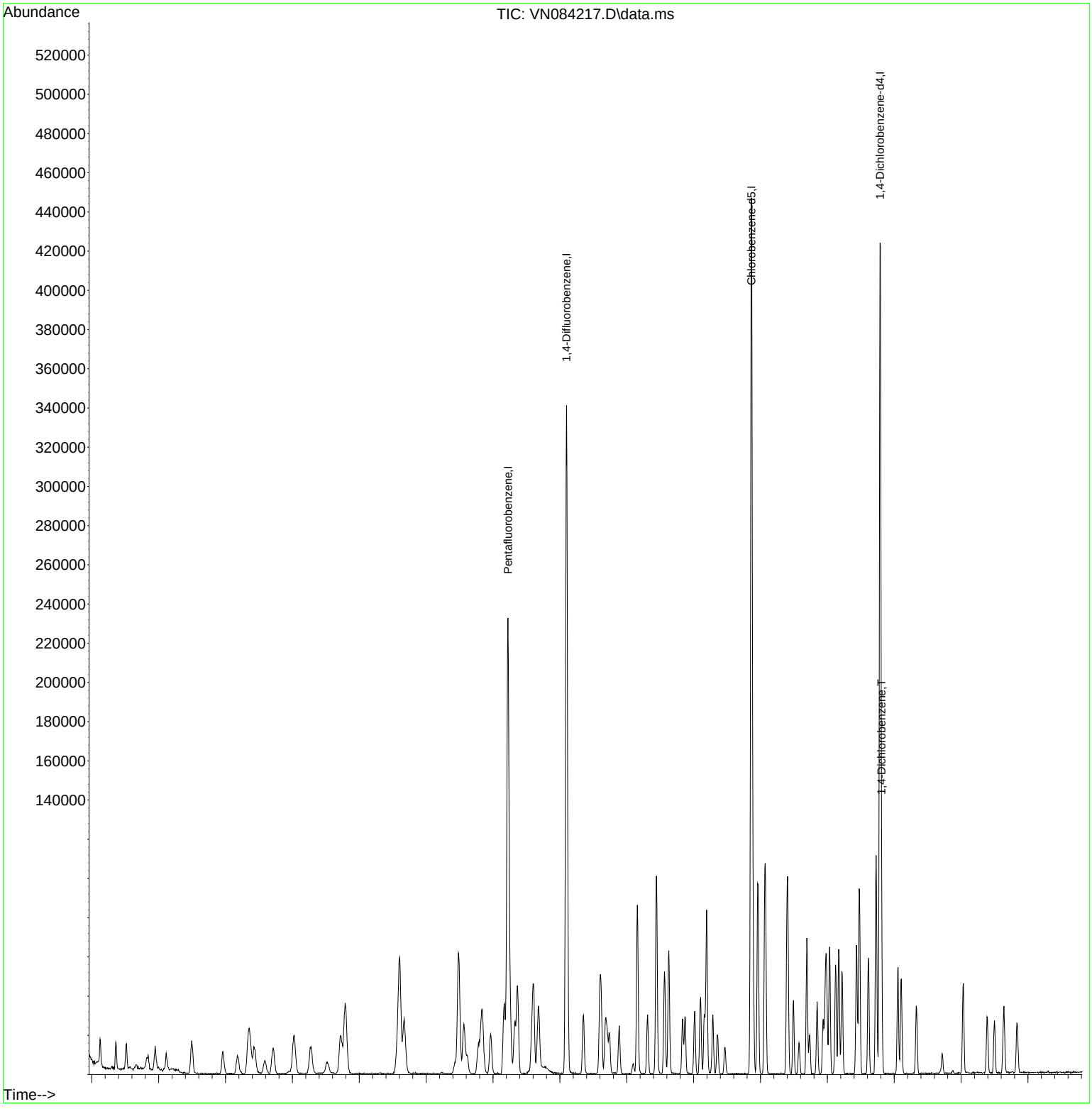
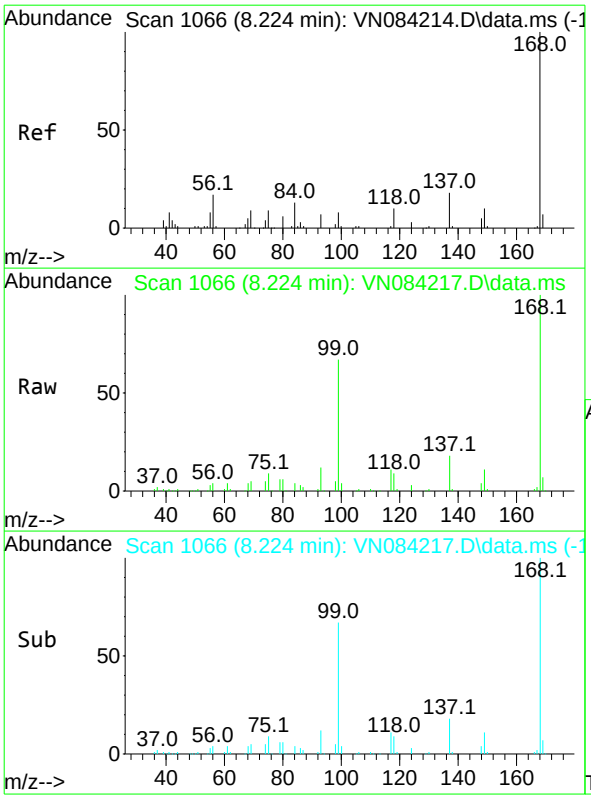
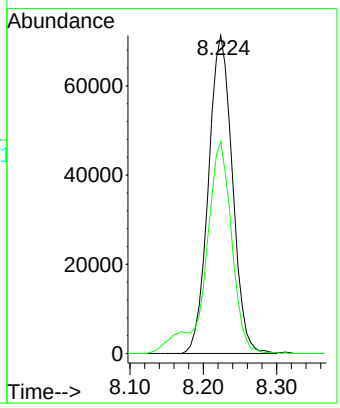




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:168 Resp: 161547

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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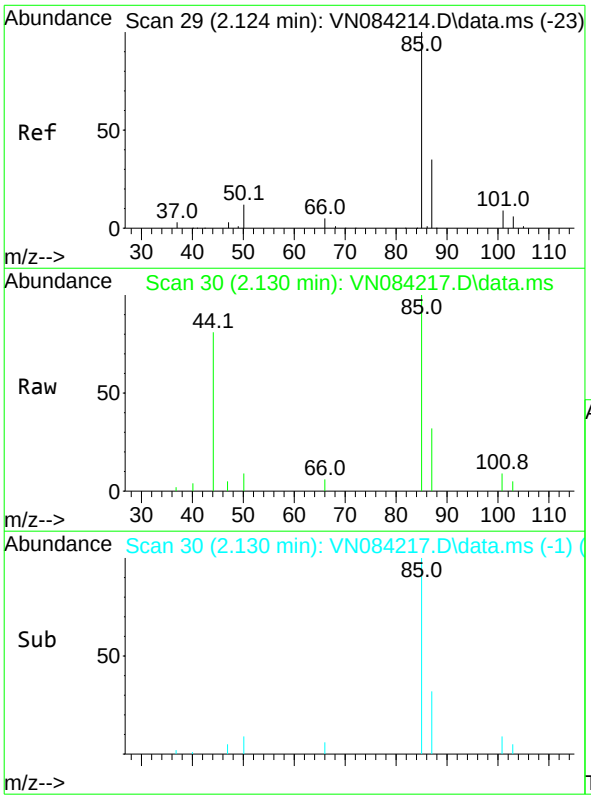
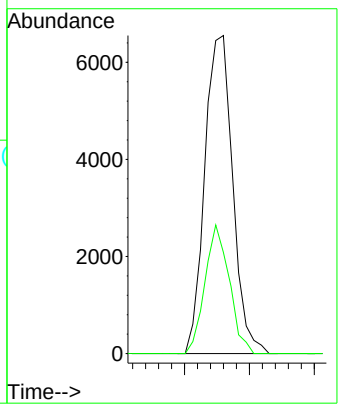
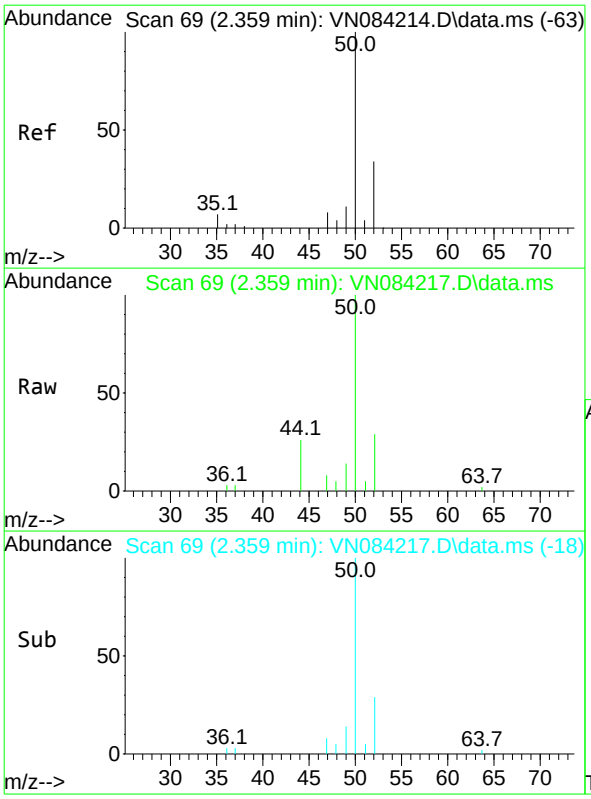


#2
Dichlorodifluoromethane
Concen: 5.132 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 85 Resp: 9807

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

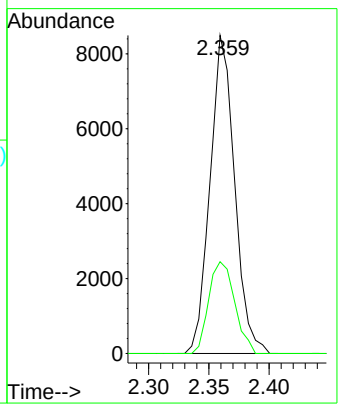




#3
Chloromethane
Concen: 5.529 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 50 Resp: 12064

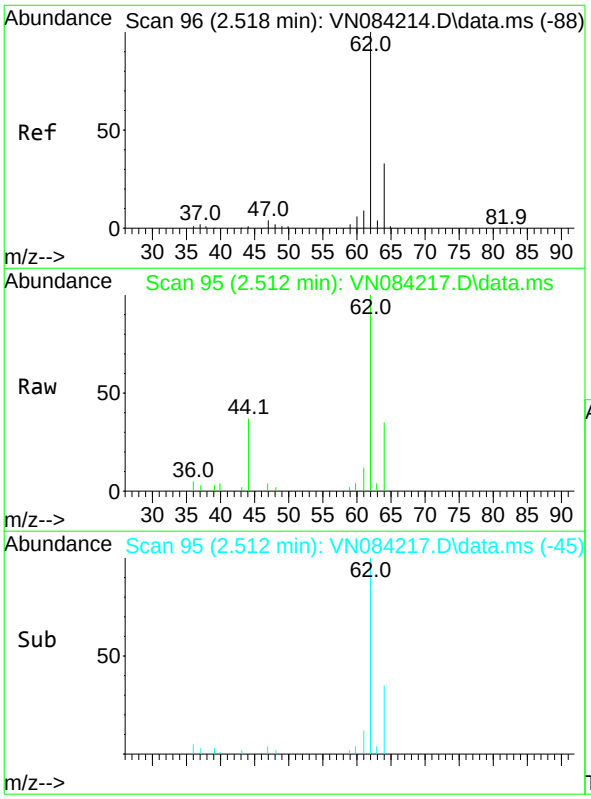
Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

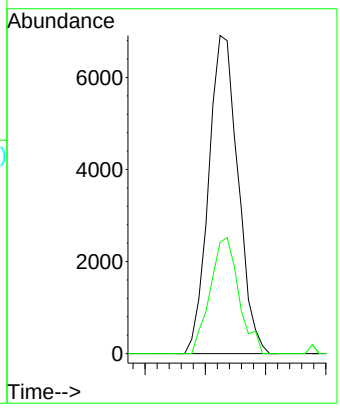
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

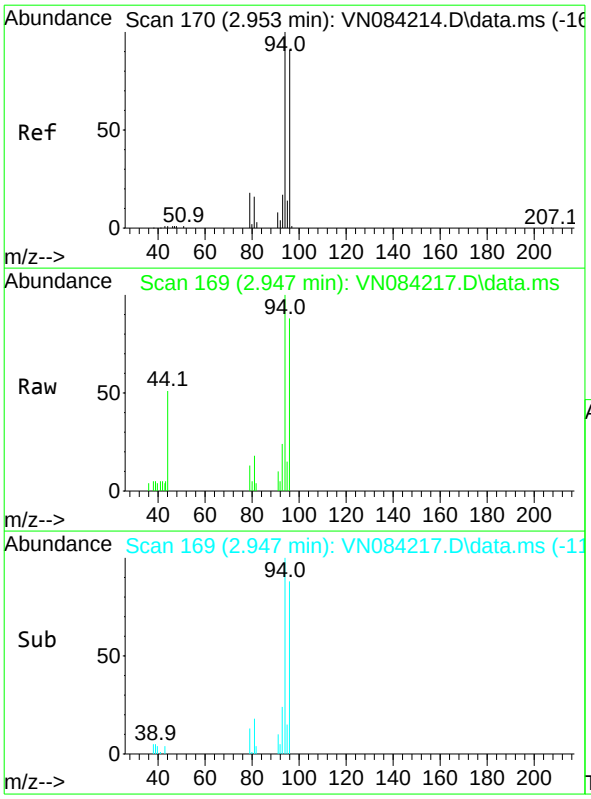


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 11701

Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.2	39.4

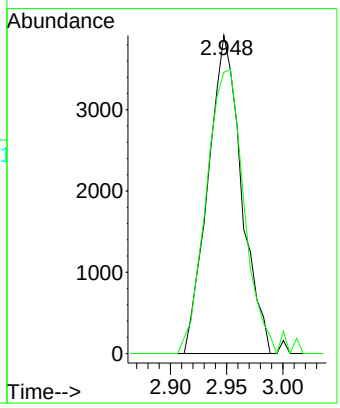




#5
Bromomethane
Concen: 5.804 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 94 Resp: 8091

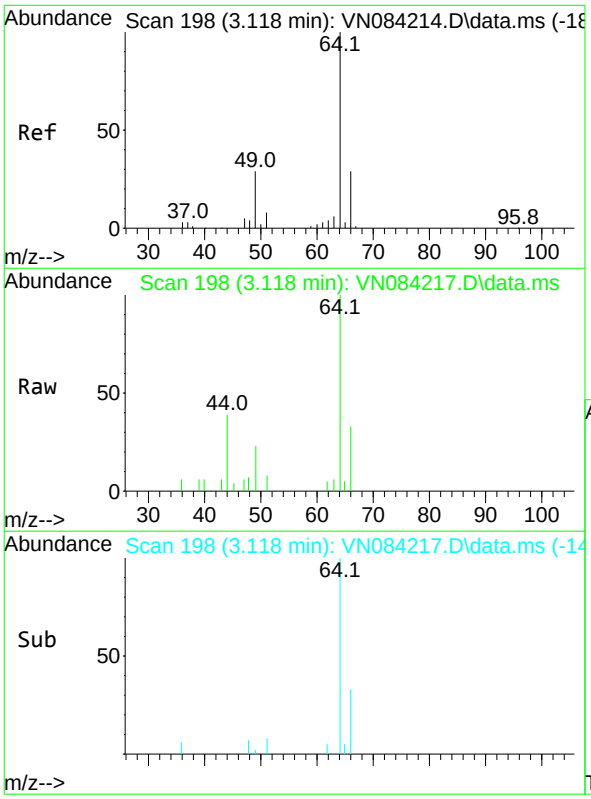
Ion	Ratio	Lower	Upper
94	100		
96	88.4	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

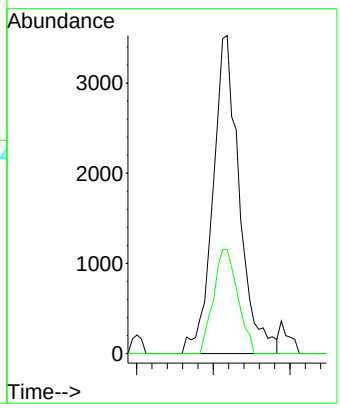
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

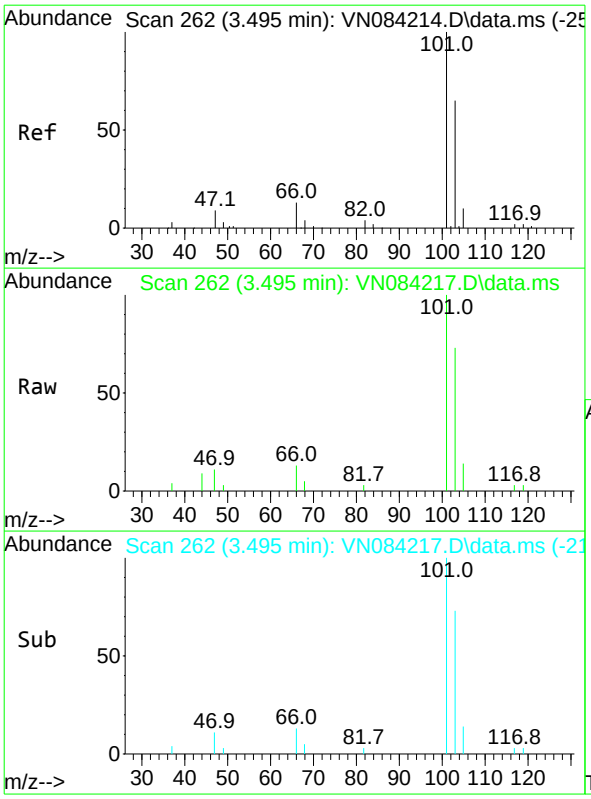


#6
Chloroethane
Concen: 5.571 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 64 Resp: 8433

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

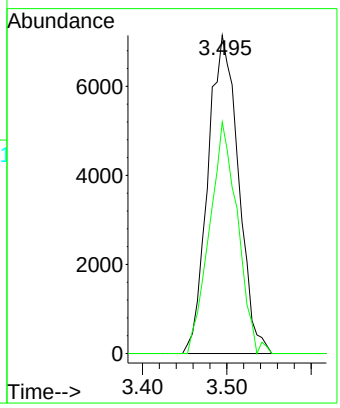




#7
Trichlorofluoromethane
Concen: 5.466 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:101 Resp: 17988

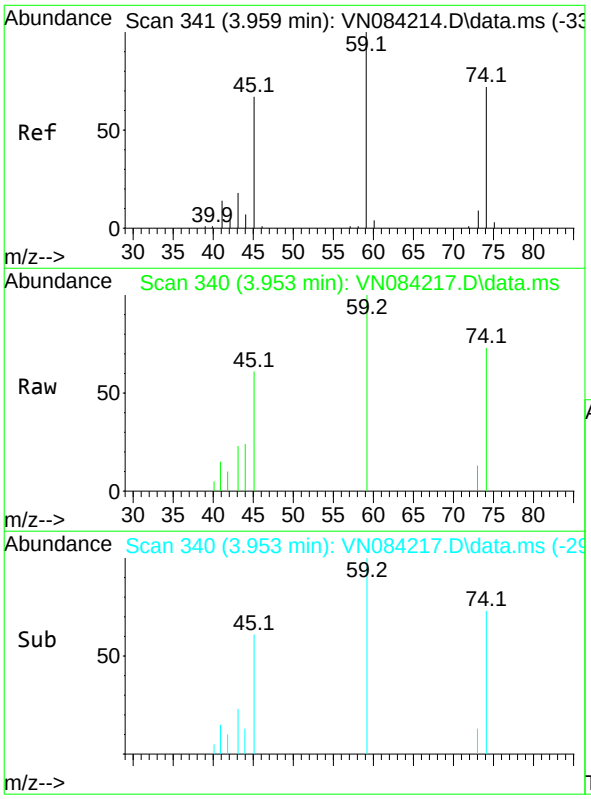
Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

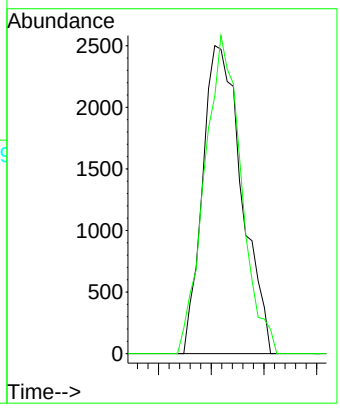
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

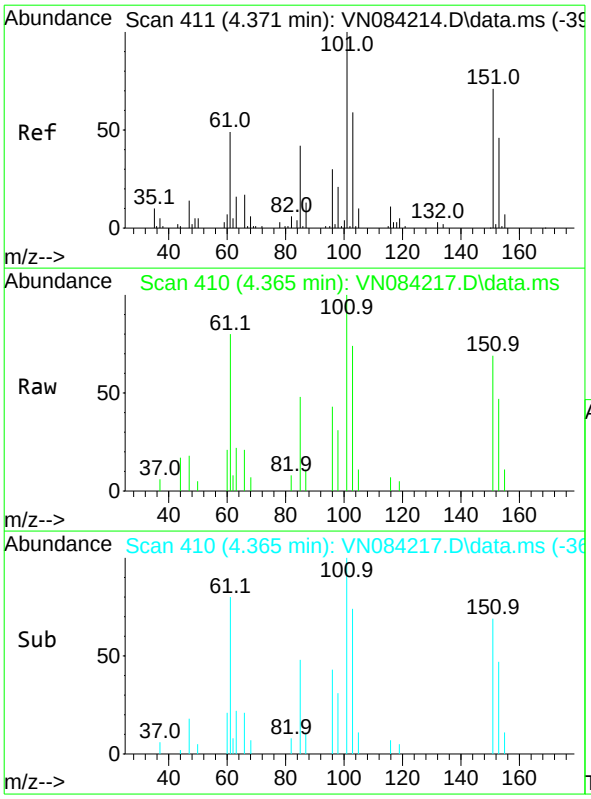


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 74 Resp: 6430

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.7	143.1

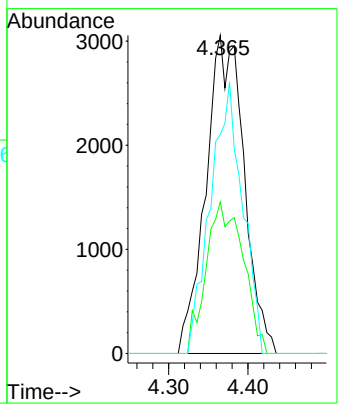




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.420 ug/l m
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:101 Resp: 10220

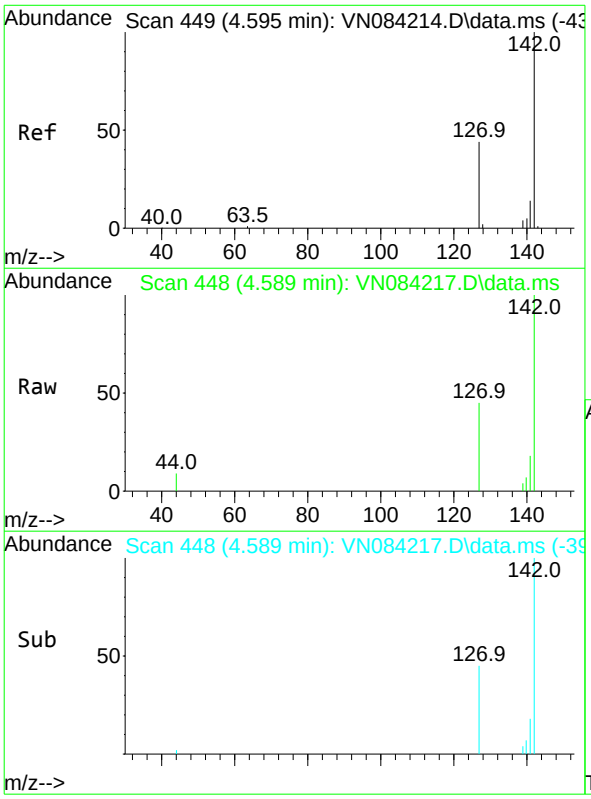
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	71.5	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

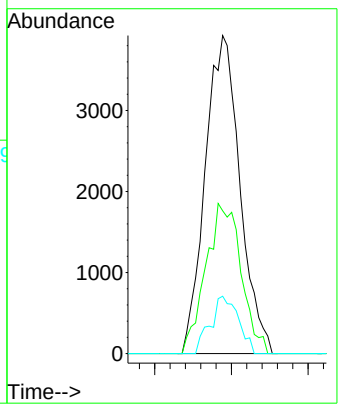
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

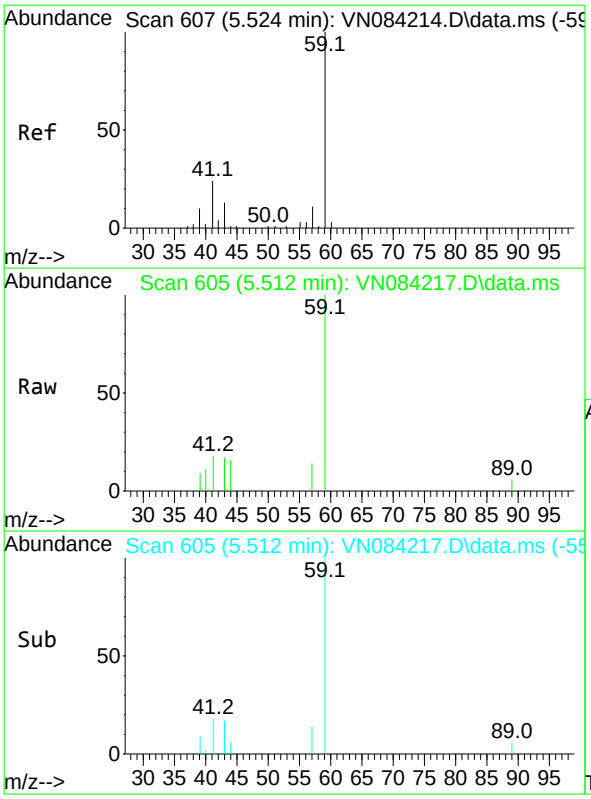


#10
Methyl Iodide
Concen: 5.083 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:142 Resp: 12344

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.3	52.9
141	18.0	11.0	16.6#

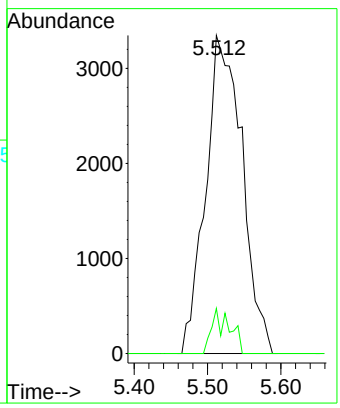




#11
Tert butyl alcohol
Concen: 29.211 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 59 Resp: 11537

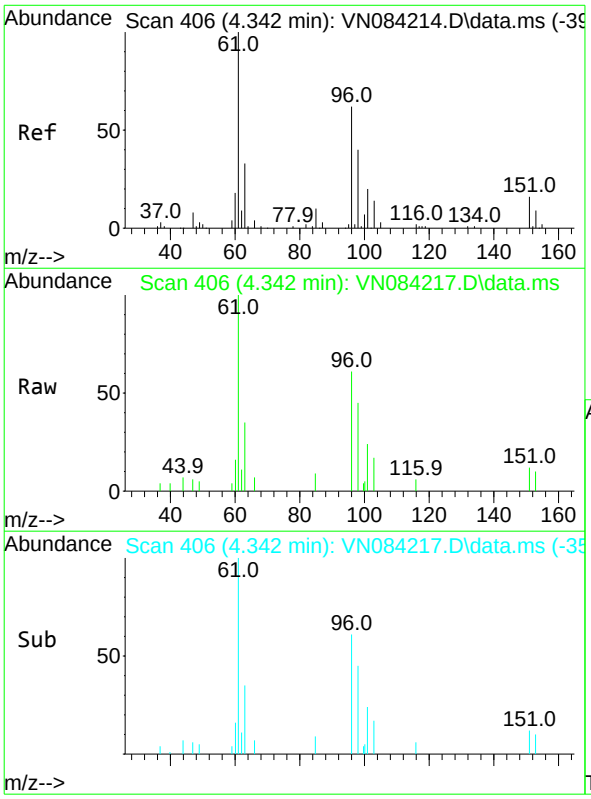
Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

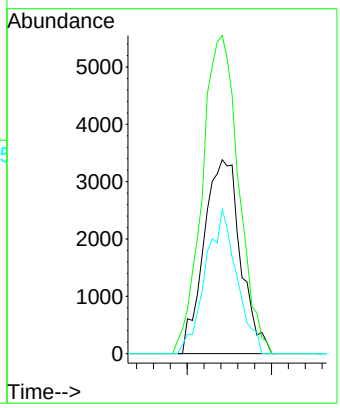
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

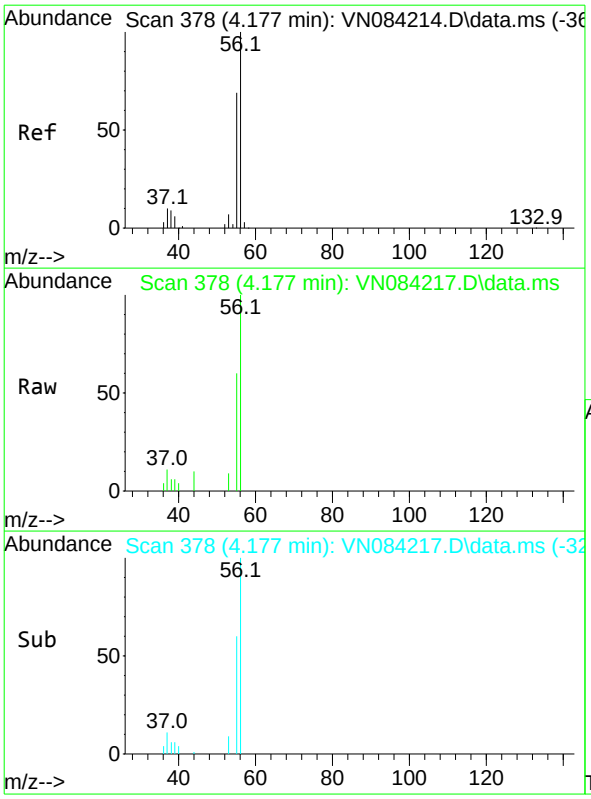


#12
1,1-Dichloroethene
Concen: 5.603 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 10191

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.6	192.8
98	74.5	51.7	77.5

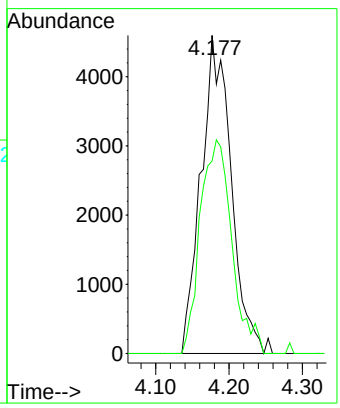




#13
Acrolein
Concen: 28.940 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 56 Resp: 13122

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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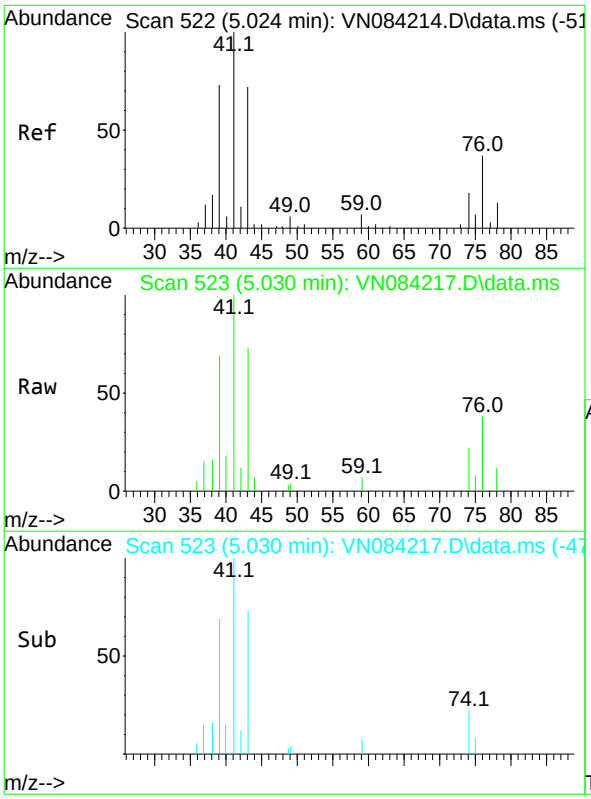
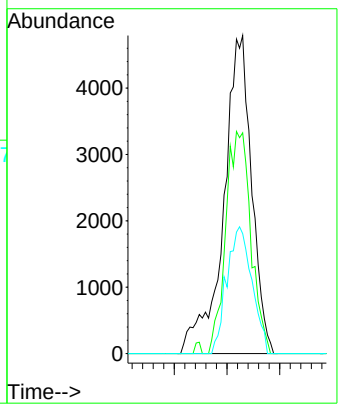
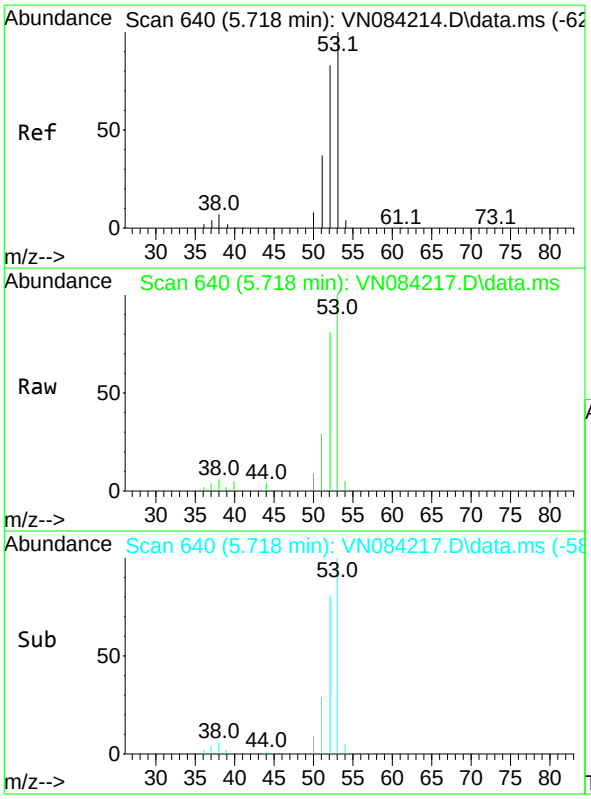


#14
Allyl chloride
Concen: 5.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 17724

Ion	Ratio	Lower	Upper
41	100		
39	62.5	59.0	88.6
76	35.6	29.8	44.6

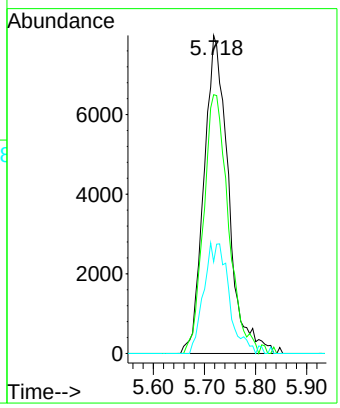




#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 53 Resp: 26537

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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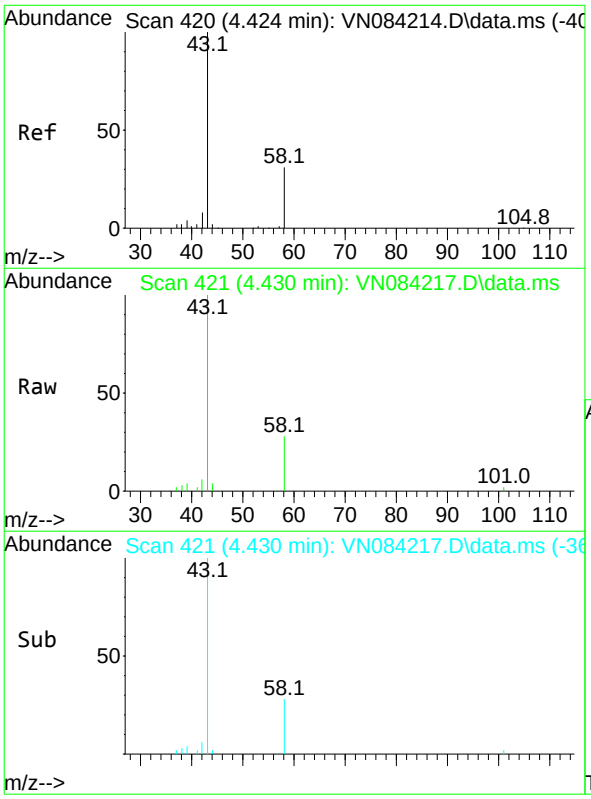
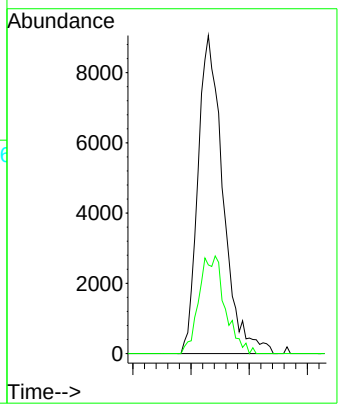
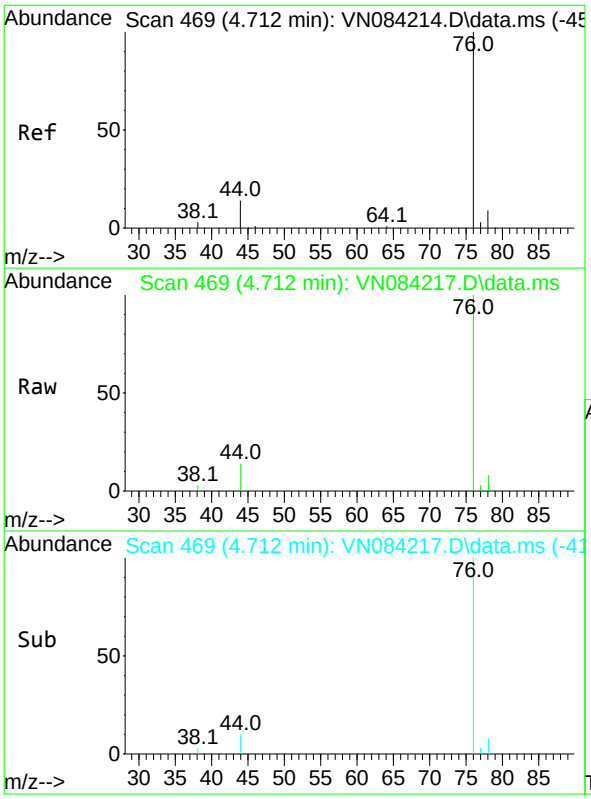


#16
Acetone
Concen: 26.389 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 27153

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.4	36.6





#17
Carbon Disulfide
Concen: 5.351 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 76 Resp: 30816

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

Instrument :
MSVOA_N
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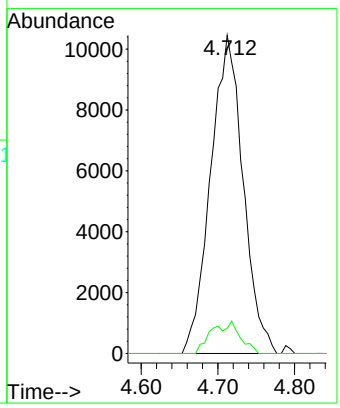
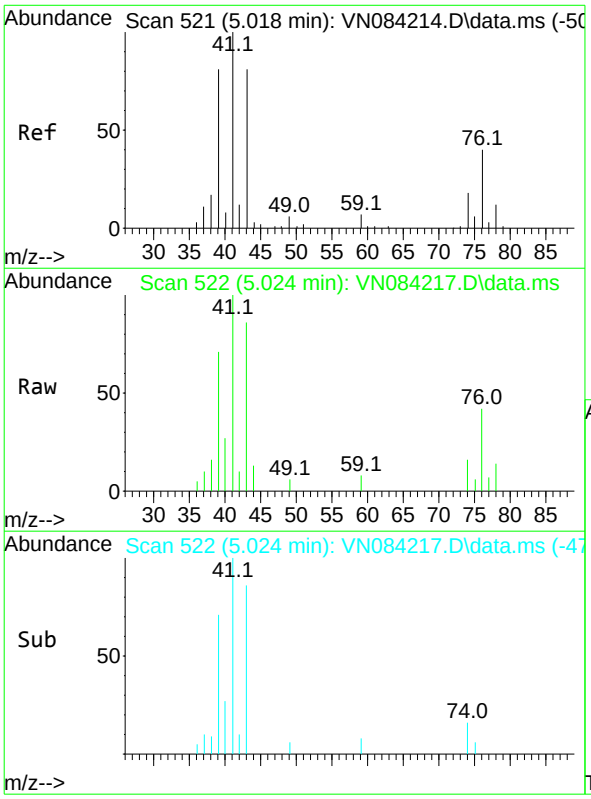
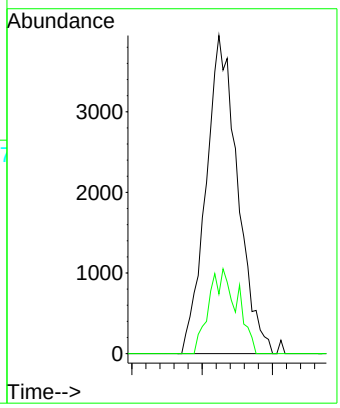


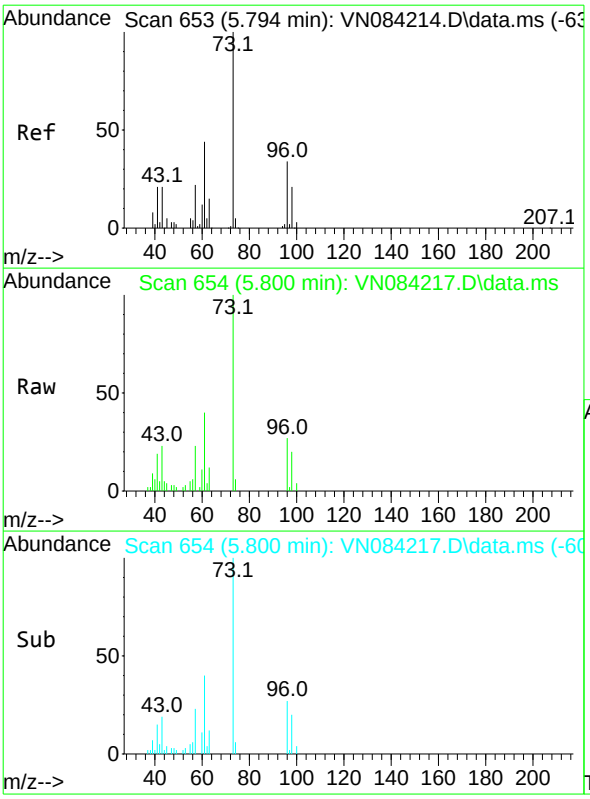


#18
Methyl Acetate
Concen: 5.509 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 12354

Ion	Ratio	Lower	Upper
43	100		
74	9.9	19.2	28.8#

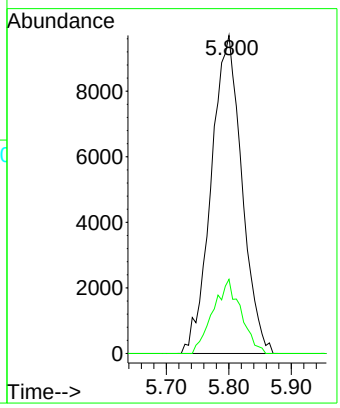




#19
Methyl tert-butyl Ether
Concen: 5.392 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 73 Resp: 33101

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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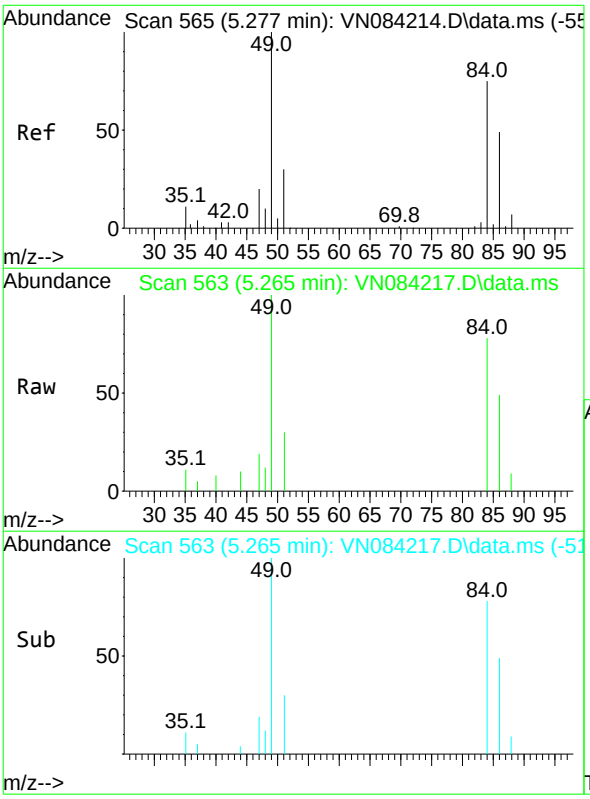
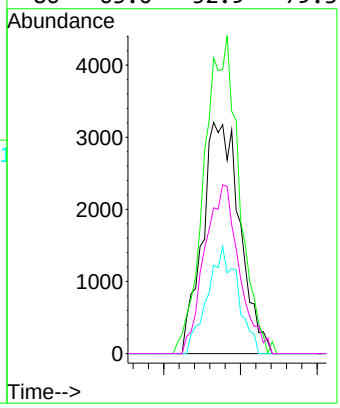
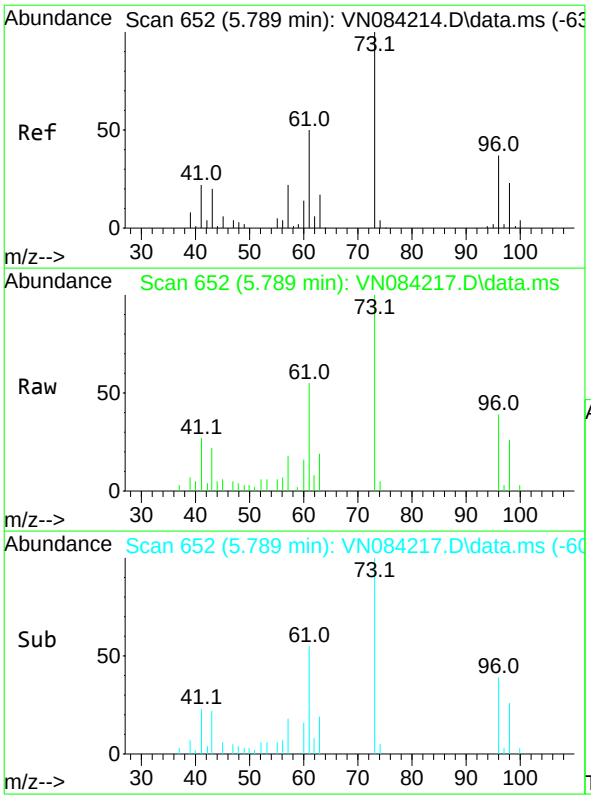


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 84 Resp: 10809

Ion	Ratio	Lower	Upper
84	100		
49	127.8	107.2	160.8
51	38.2	31.8	47.8
86	63.0	52.9	79.3

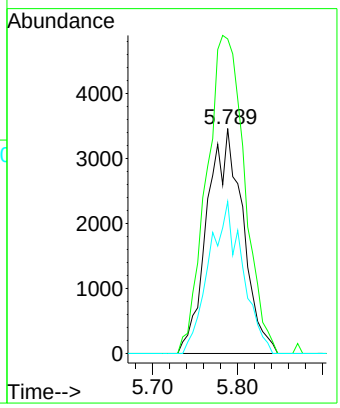




#21
trans-1,2-Dichloroethene
Concen: 5.314 ug/l m
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 10126

Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	67.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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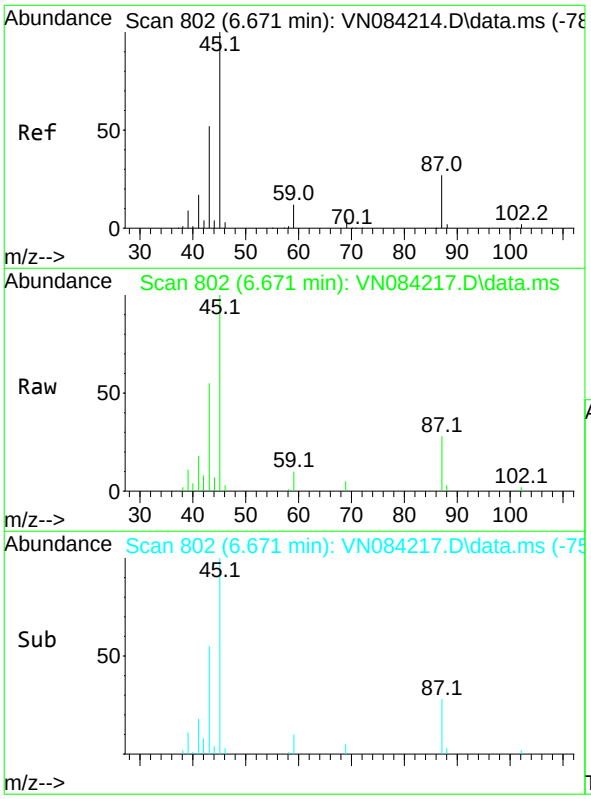
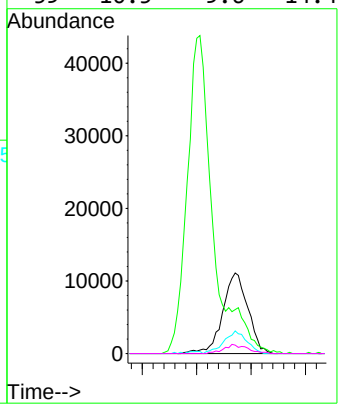
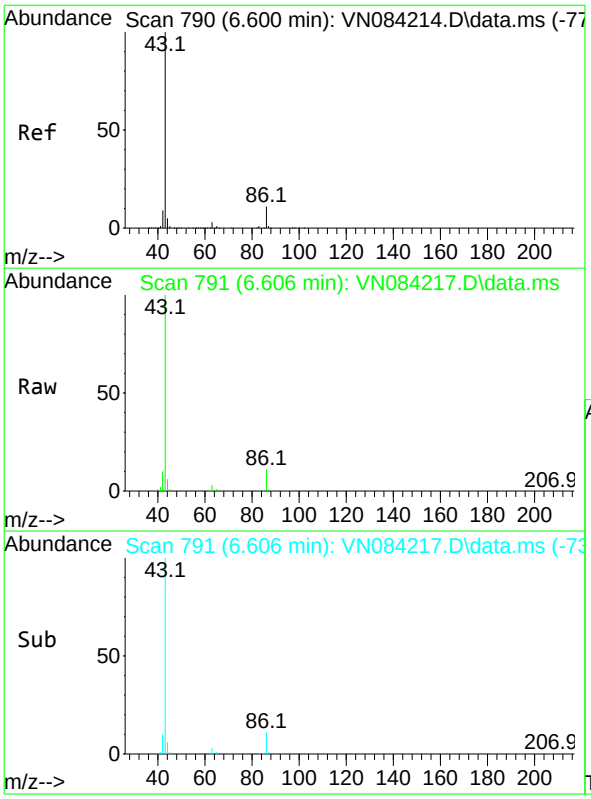


#22
Diisopropyl ether
Concen: 5.457 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 45 Resp: 35654

Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.3	63.5
87	28.1	21.8	32.6
59	10.5	9.6	14.4

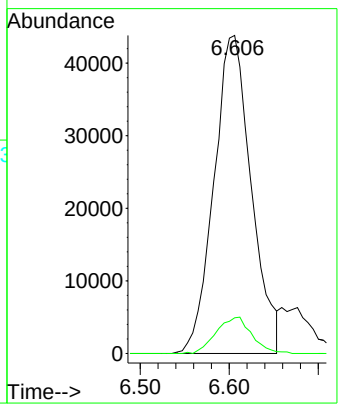




#23
Vinyl Acetate
Concen: 26.284 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 128057

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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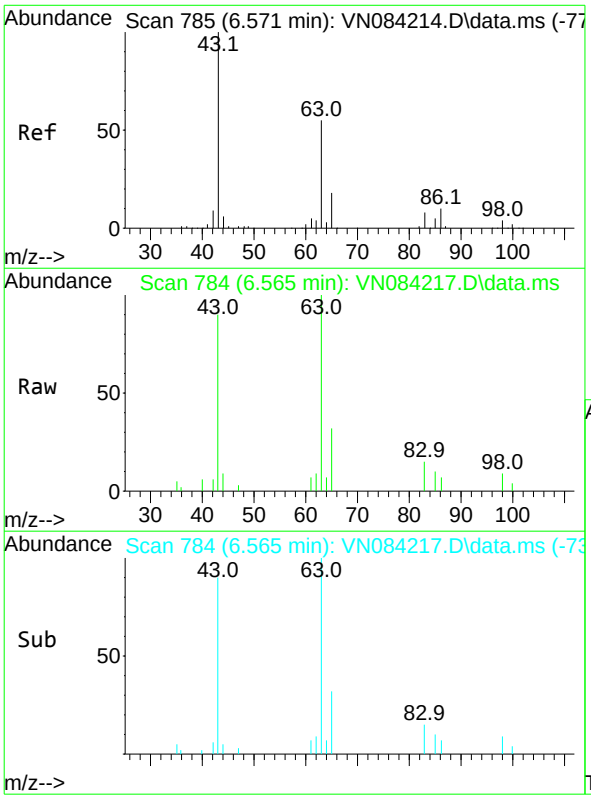
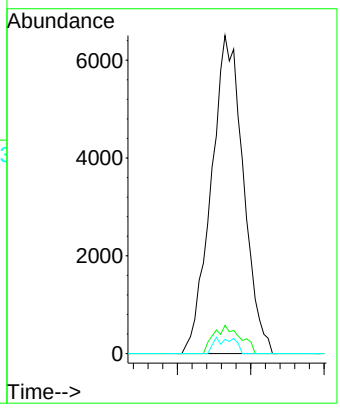
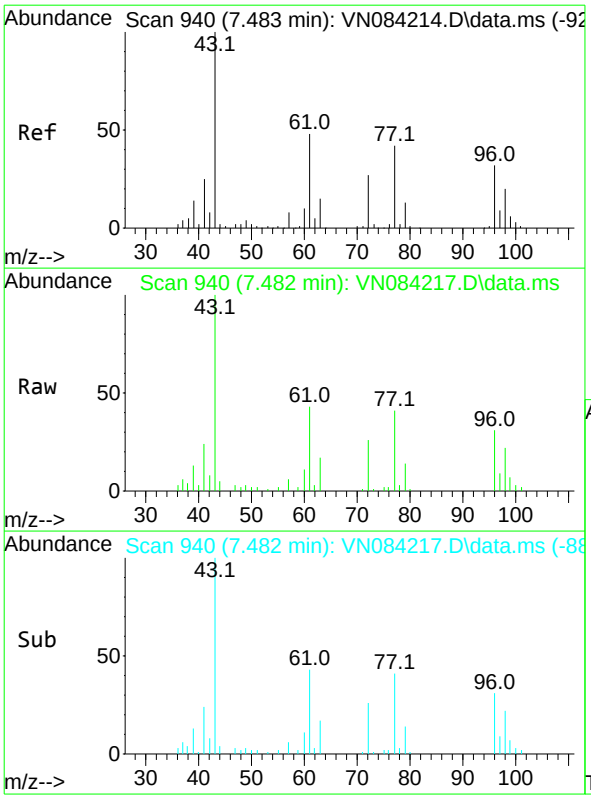


#24
1,1-Dichloroethane
Concen: 5.419 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 19800

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.4	10.2
100	4.5	2.0	5.8

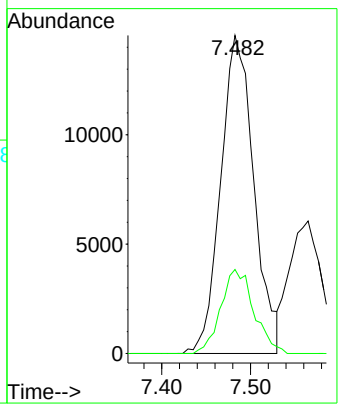




#25
2-Butanone
Concen: 26.929 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 37739

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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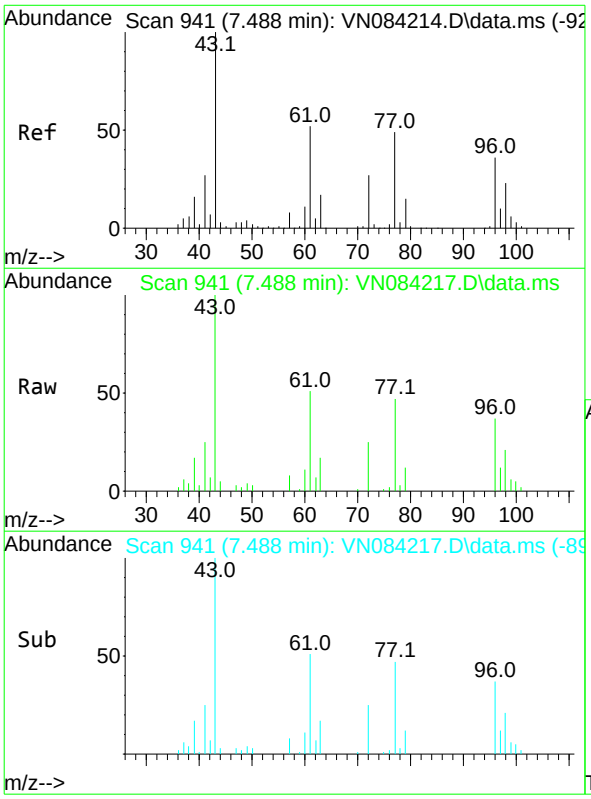
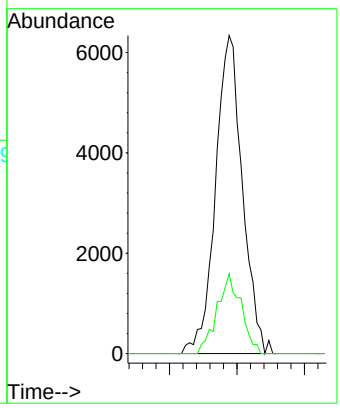
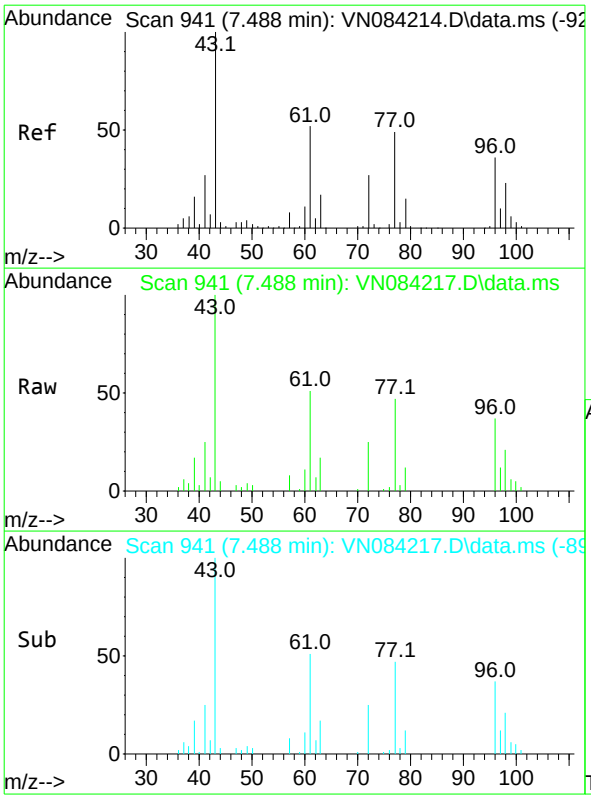


#26
2,2-Dichloropropane
Concen: 5.327 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 77 Resp: 17552

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

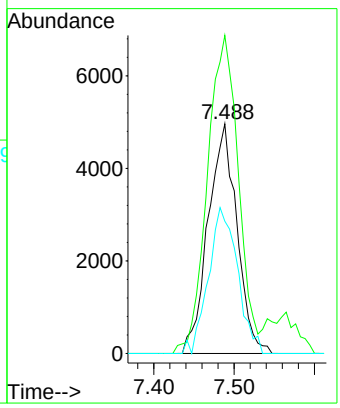




#27
cis-1,2-Dichloroethene
Concen: 5.380 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 12388

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	301.8
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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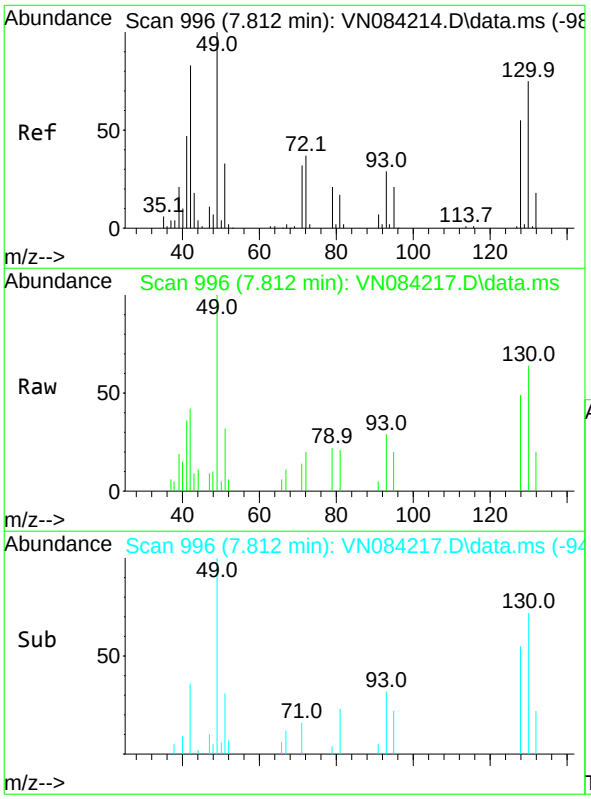
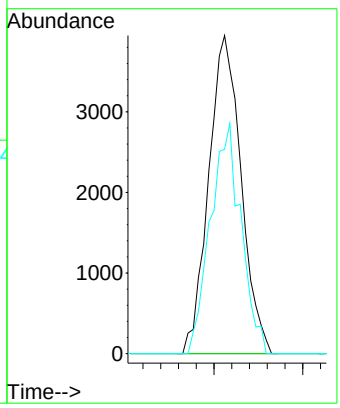
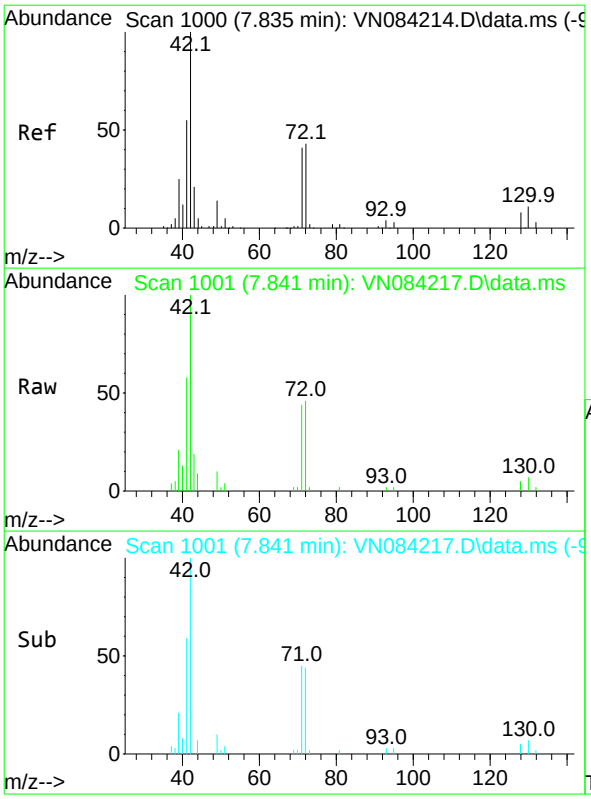


#28
Bromochloromethane
Concen: 6.131 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 49 Resp: 9996

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	68.3	58.0	87.0

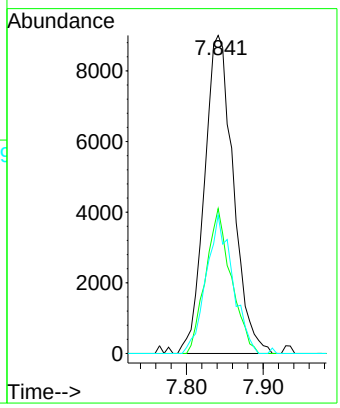




#29
Tetrahydrofuran
Concen: 27.121 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 42 Resp: 23456

Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.6	51.8
71	40.1	32.2	48.4



Instrument :
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ClientSampleId :
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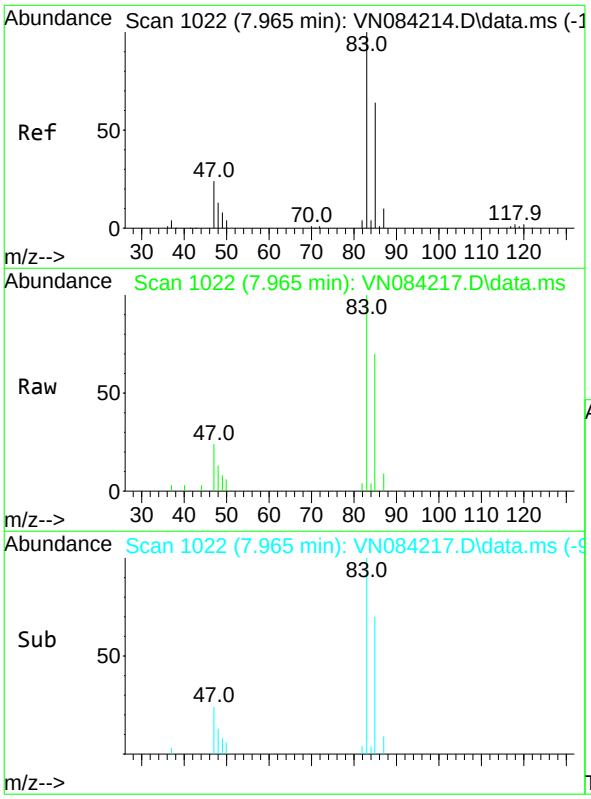
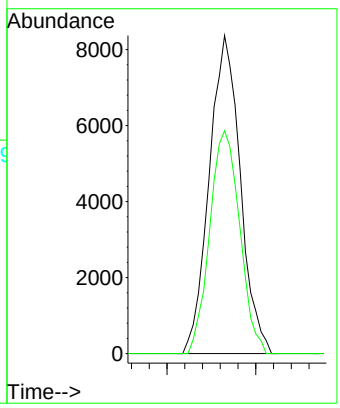
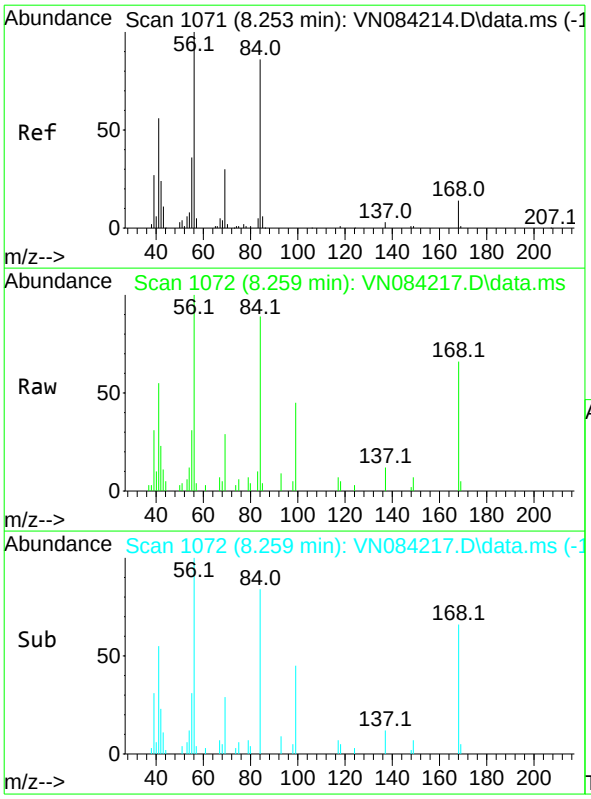


#30
Chloroform
Concen: 5.359 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 20341

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.0	76.4

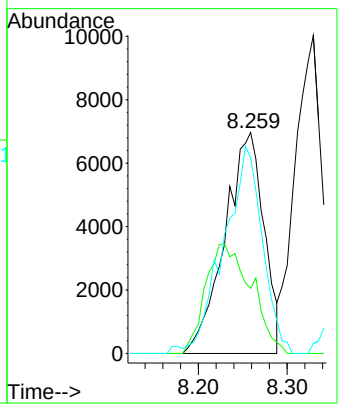




#31
Cyclohexane
Concen: 6.014 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 56 Resp: 21337

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	85.5	68.8	103.2



Instrument :
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ClientSampleId :
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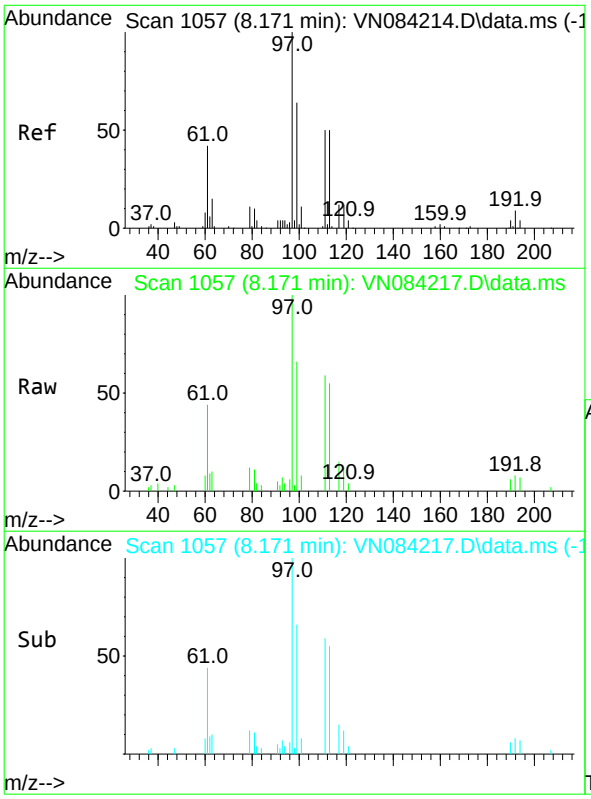
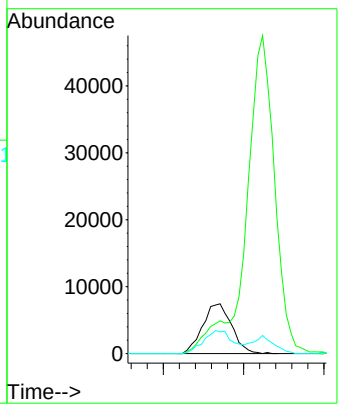
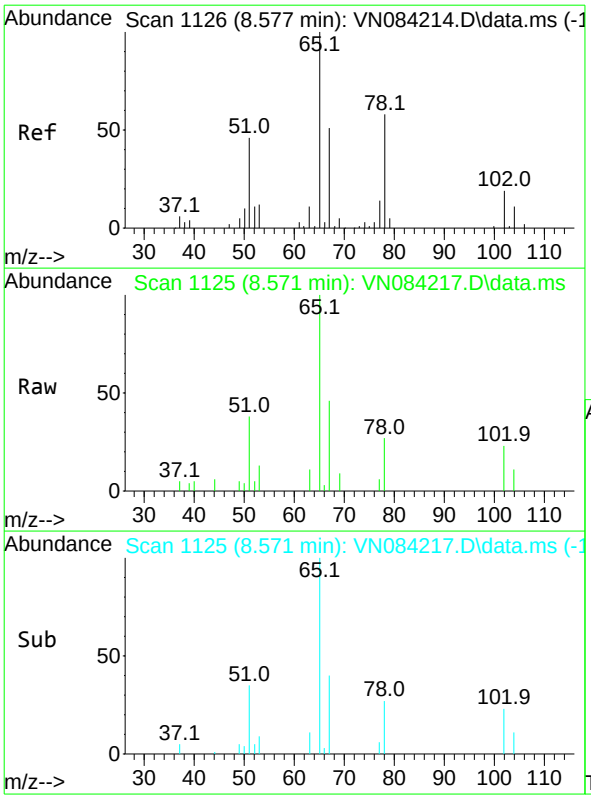


#32
1,1,1-Trichloroethane
Concen: 5.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 97 Resp: 18635

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	47.1	37.5	56.3

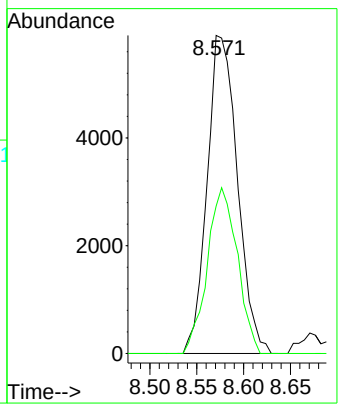




#33
1,2-Dichloroethane-d4
Concen: 5.537 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 65 Resp: 13262

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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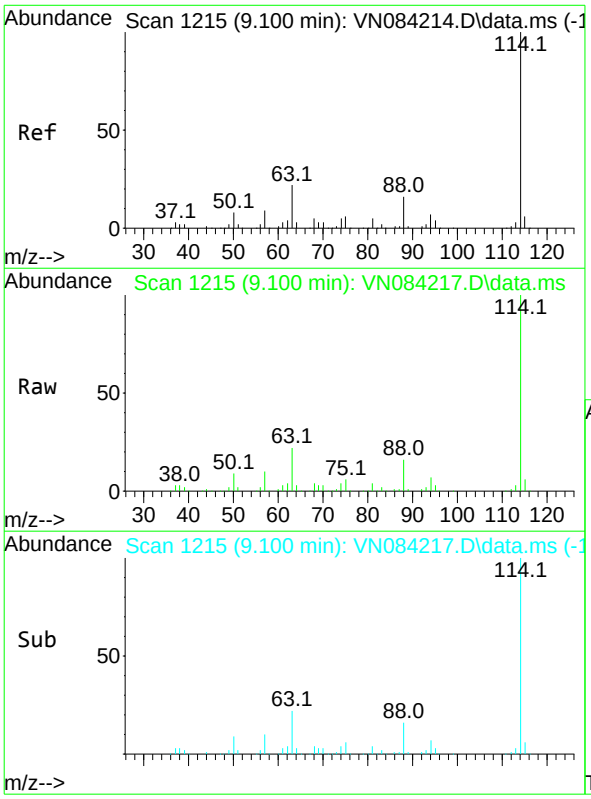
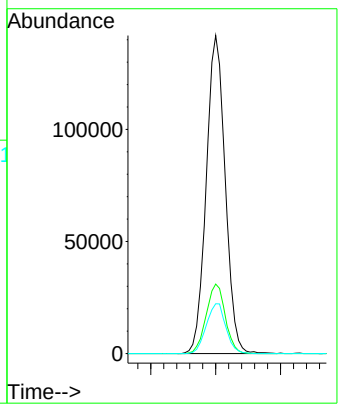
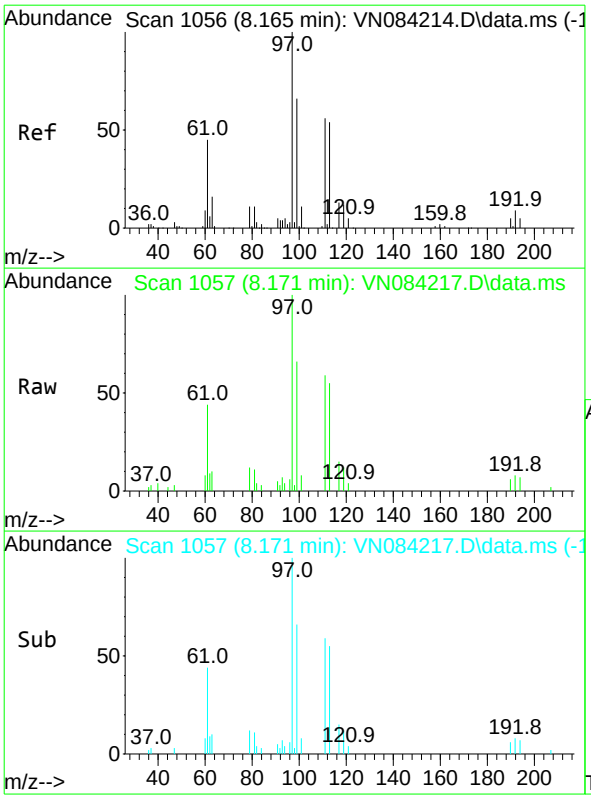


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:114 Resp: 288067

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	15.7	0.0	31.6

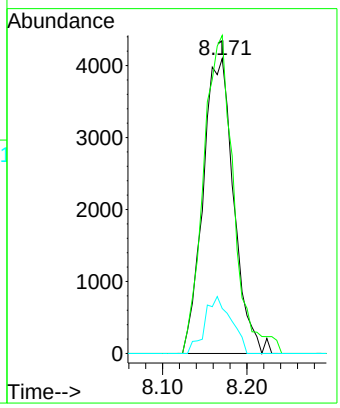




#35
Dibromofluoromethane
Concen: 5.441 ug/l
RT: 8.171 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:113 Resp: 10333

Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.3	124.9
192	16.6	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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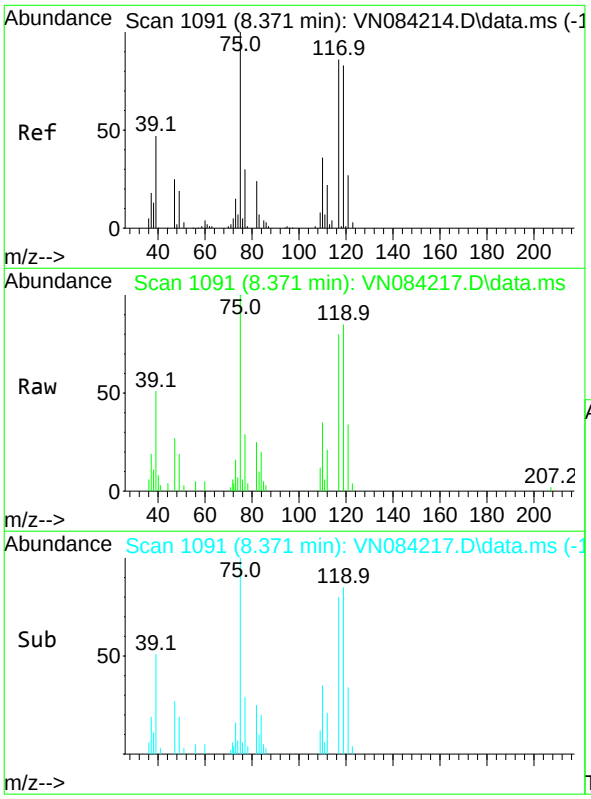
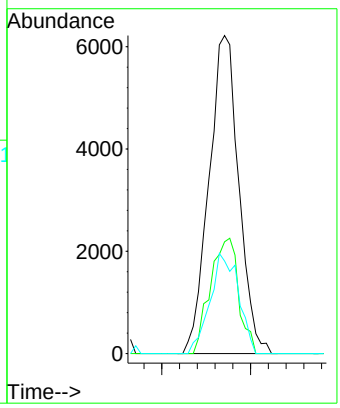
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

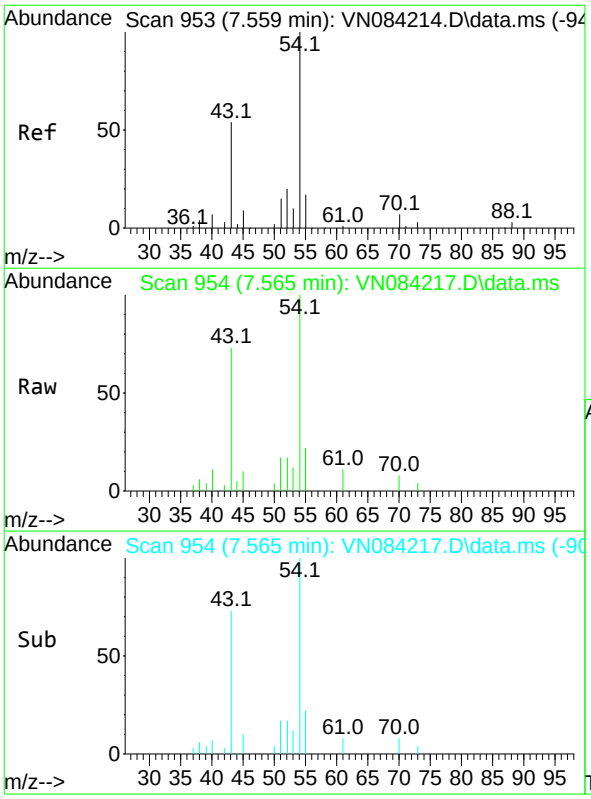


#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 14527

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.7
77	30.0	24.7	37.1

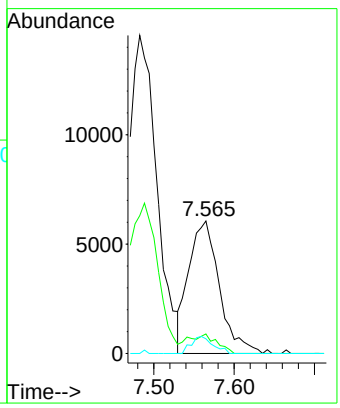




#37
Ethyl Acetate
Concen: 5.702 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 16138

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.0	8.8	13.2



Instrument :
MSVOA_N
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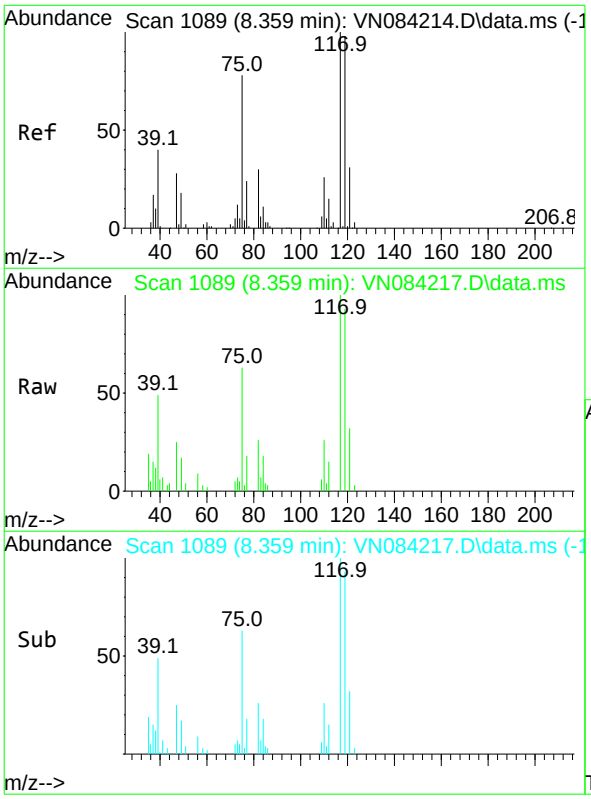
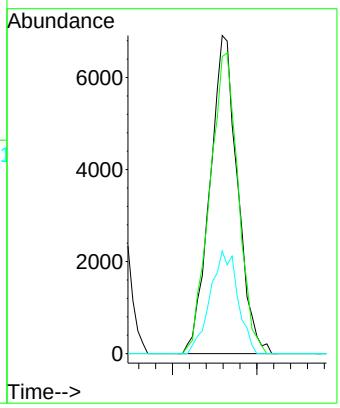
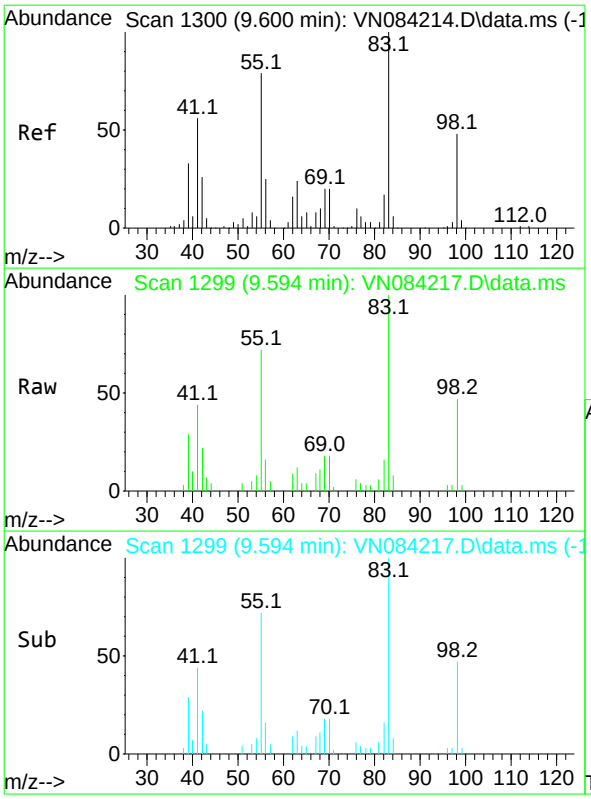


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 15700

Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.7	118.1
121	32.3	24.4	36.6

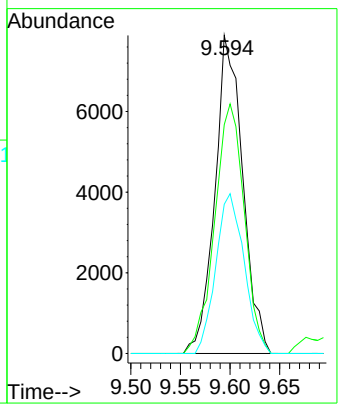




#39
Methylcyclohexane
Concen: 5.009 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 15377

Ion	Ratio	Lower	Upper
83	100		
55	71.9	62.8	94.2
98	46.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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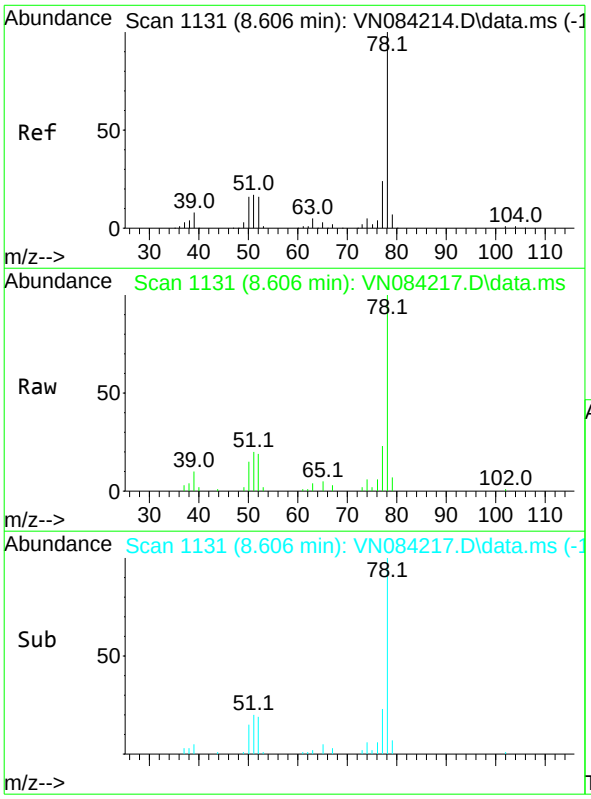
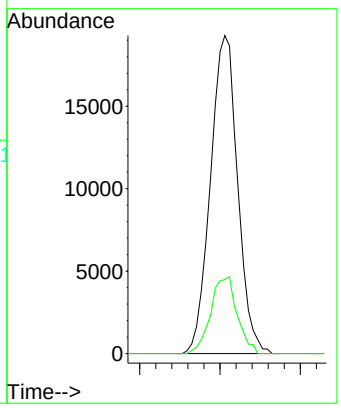
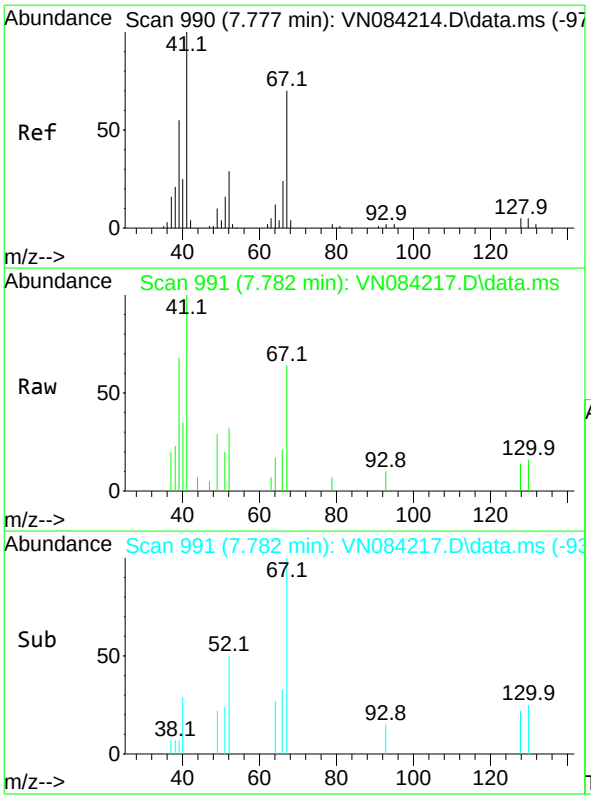


#40
Benzene
Concen: 5.276 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 78 Resp: 45343

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

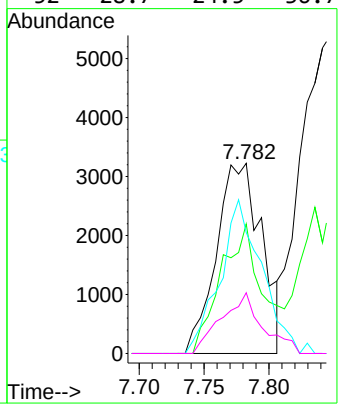




#41
Methacrylonitrile
Concen: 5.128 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 7878

Ion	Ratio	Lower	Upper
41	100		
39	63.1	43.3	64.9
67	74.5	56.1	84.1
52	28.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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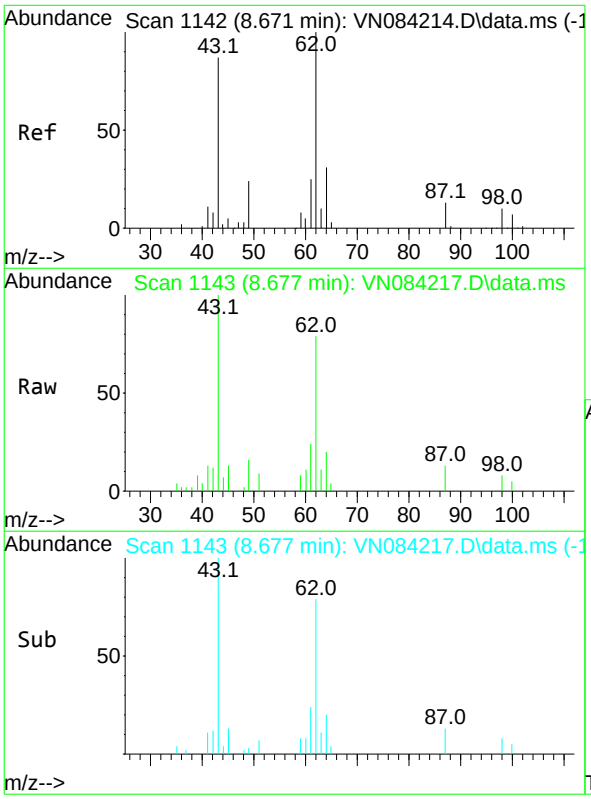
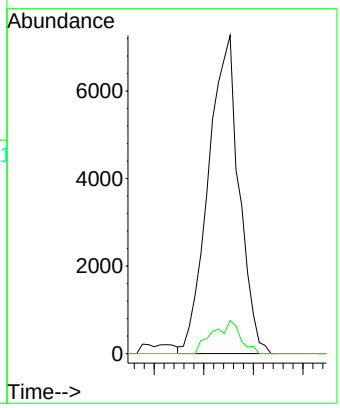
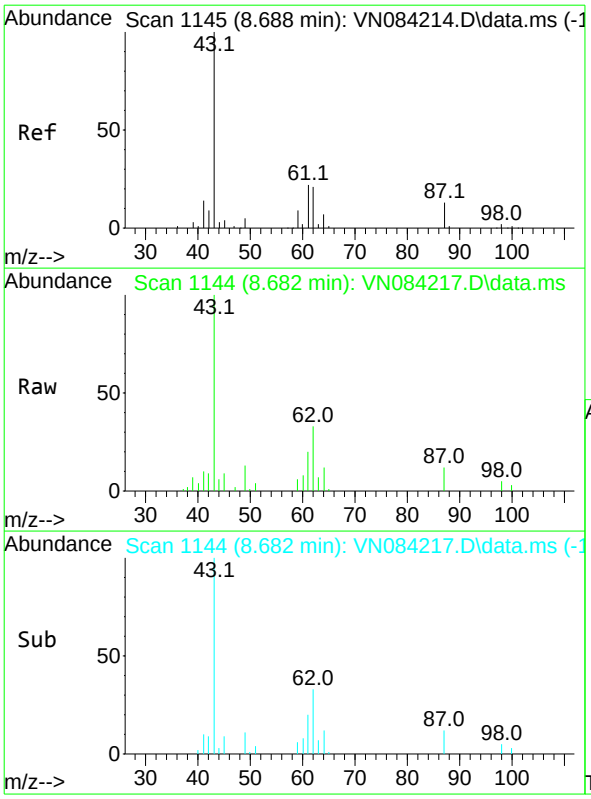


#42
1,2-Dichloroethane
Concen: 5.375 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 15661

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

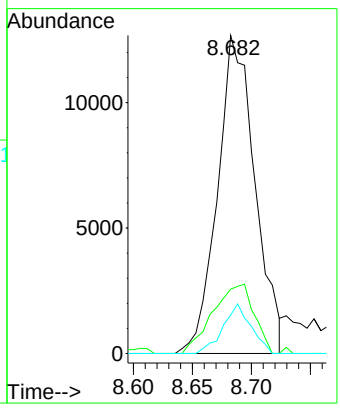




#43
Isopropyl Acetate
Concen: 5.059 ug/l m
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 28029

Ion	Ratio	Lower	Upper
43	100		
61	24.0	20.4	30.6
87	11.7	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
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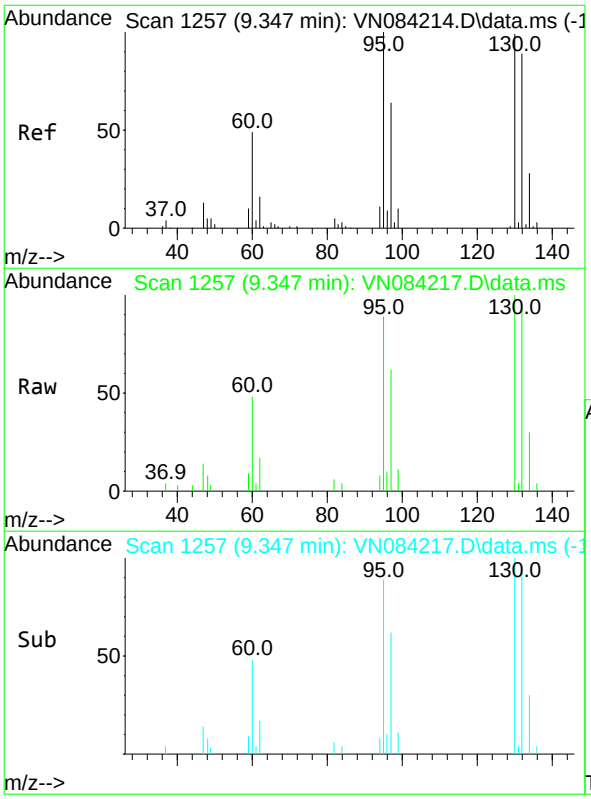
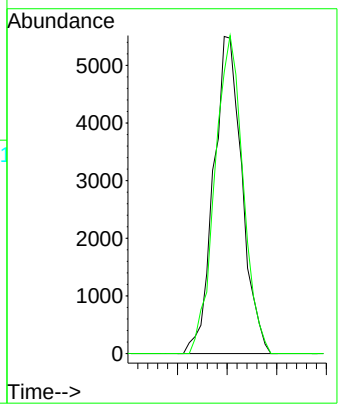
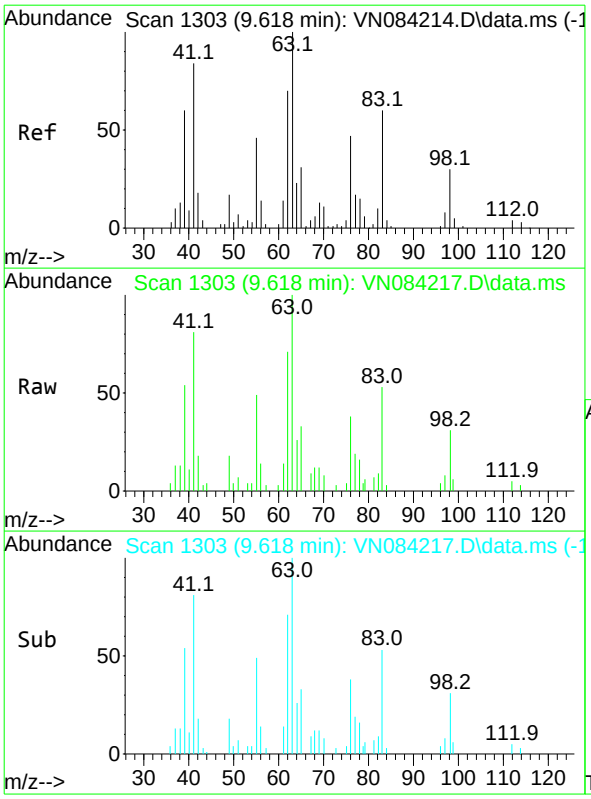


#44
Trichloroethene
Concen: 5.440 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:130 Resp: 10921

Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	203.0

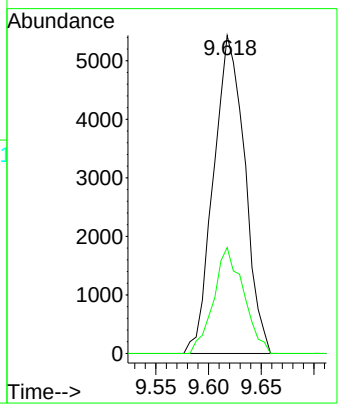




#45
1,2-Dichloropropane
Concen: 5.499 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 11181

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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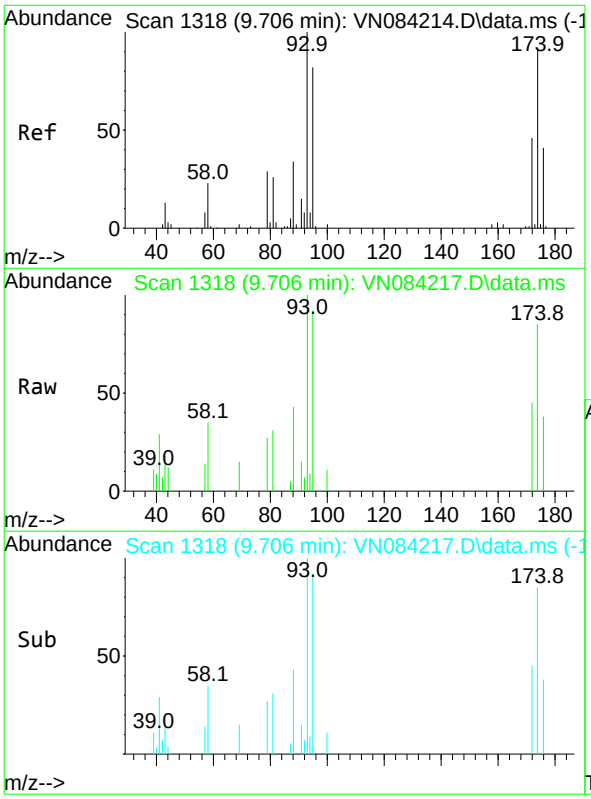
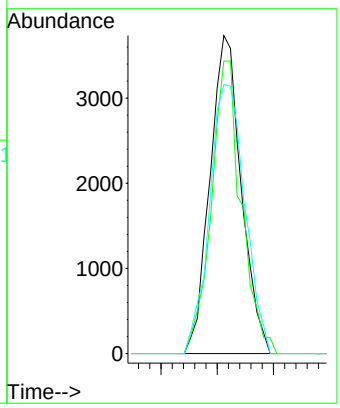
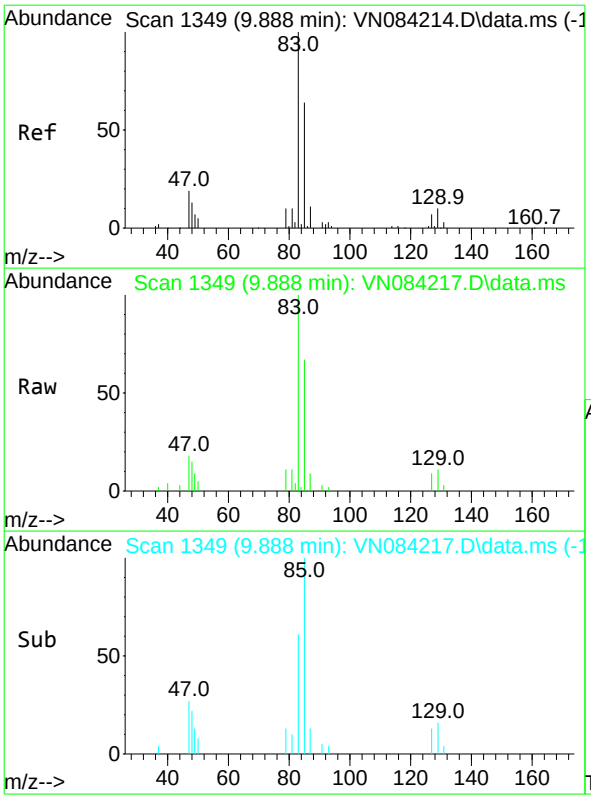


#46
Dibromomethane
Concen: 5.253 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 93 Resp: 7207

Ion	Ratio	Lower	Upper
93	100		
95	88.6	65.0	97.4
174	95.8	71.8	107.8

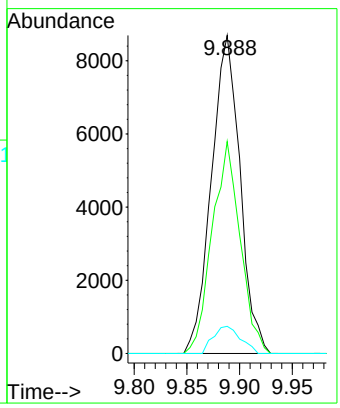




#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 16407

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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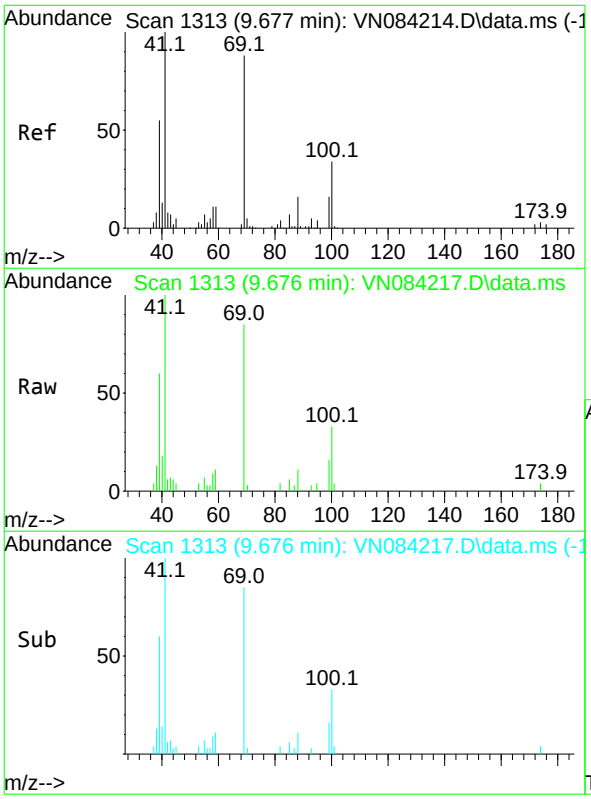
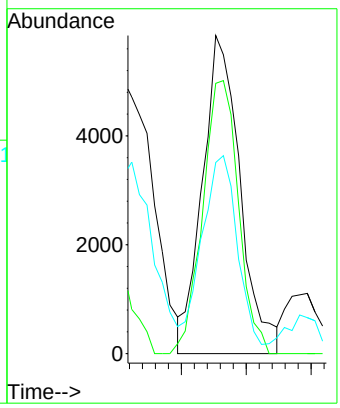
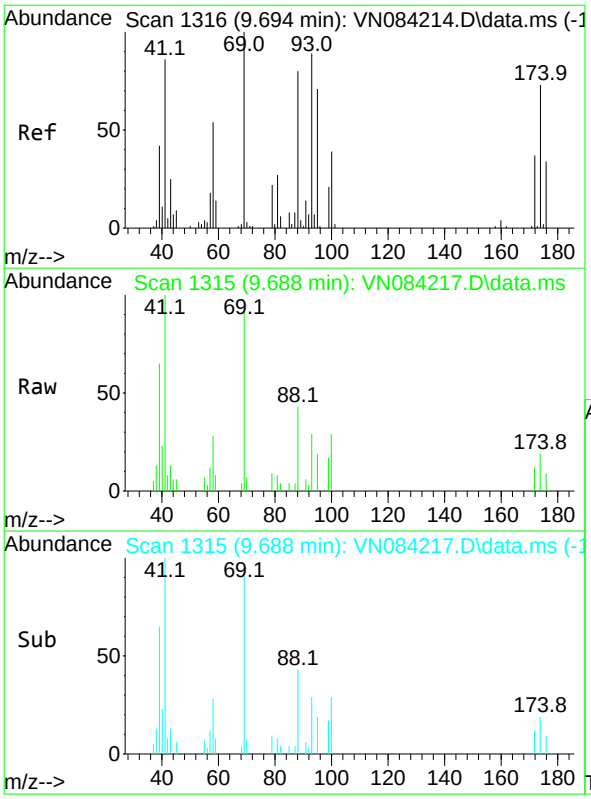


#48
Methyl methacrylate
Concen: 5.332 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 11766

Ion	Ratio	Lower	Upper
41	100		
69	81.4	67.1	100.7
39	60.1	45.8	68.6

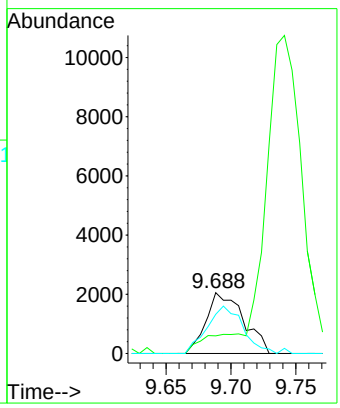




#49
1,4-Dioxane
Concen: 101.444 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 88 Resp: 4121

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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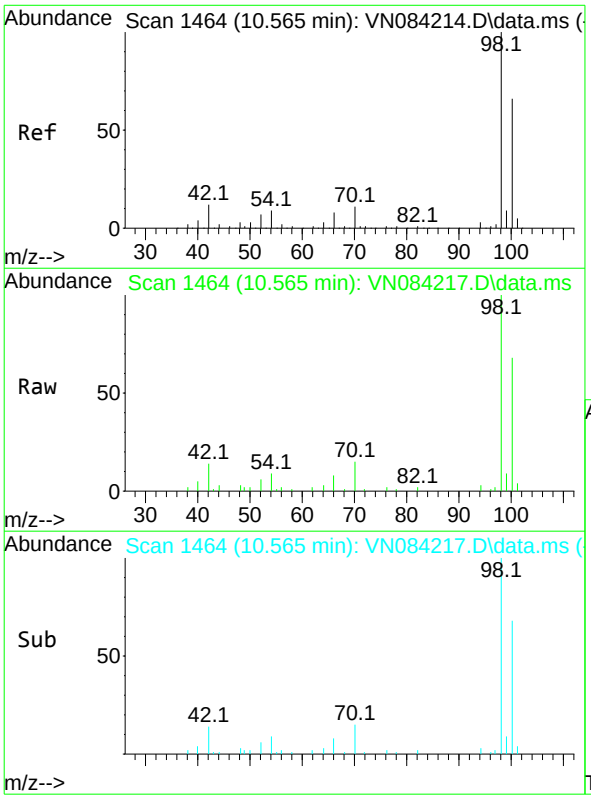
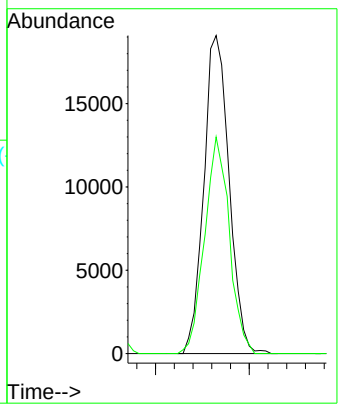
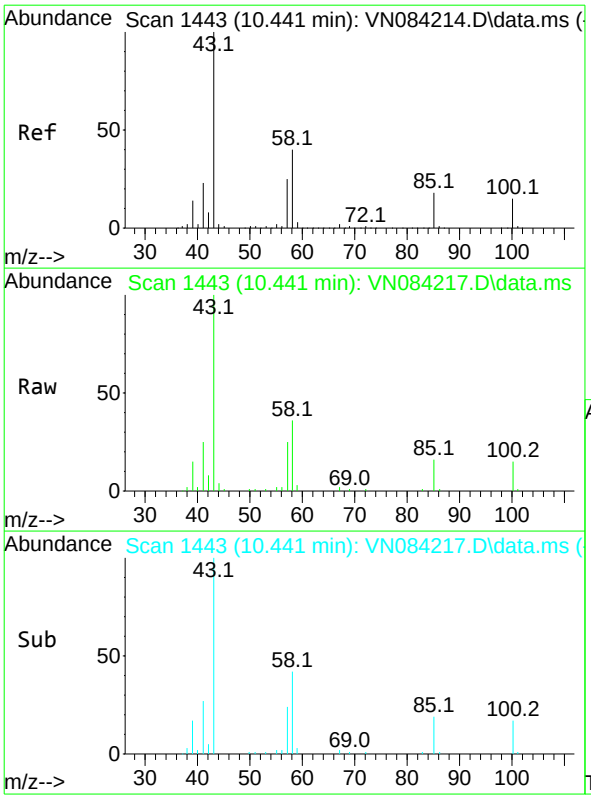


#50
Toluene-d8
Concen: 5.121 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 98 Resp: 35782

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1

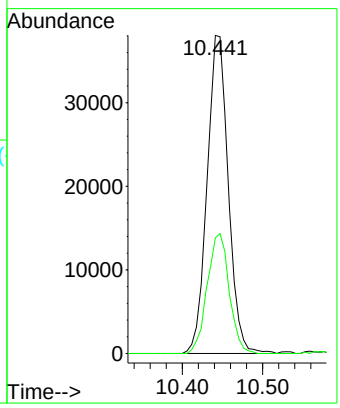




#51
4-Methyl-2-Pentanone
Concen: 25.883 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 69730

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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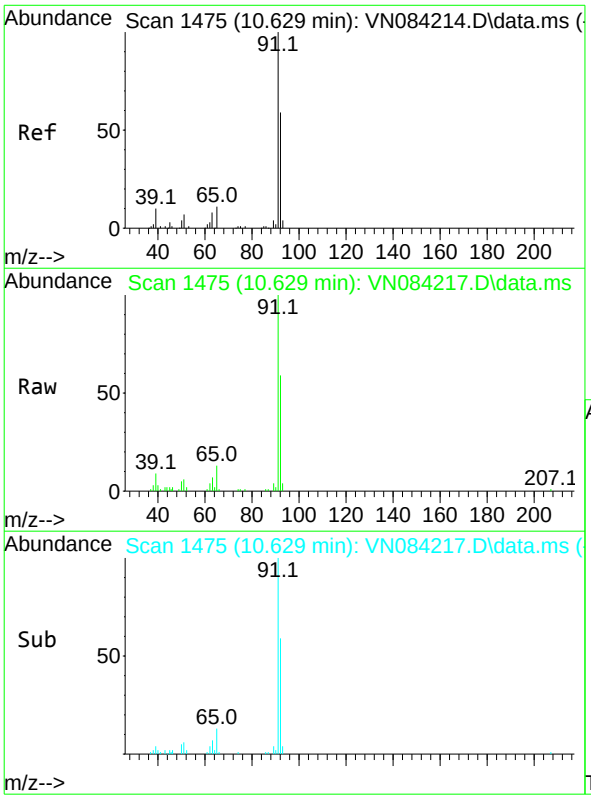
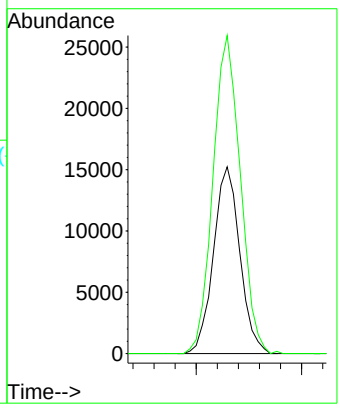
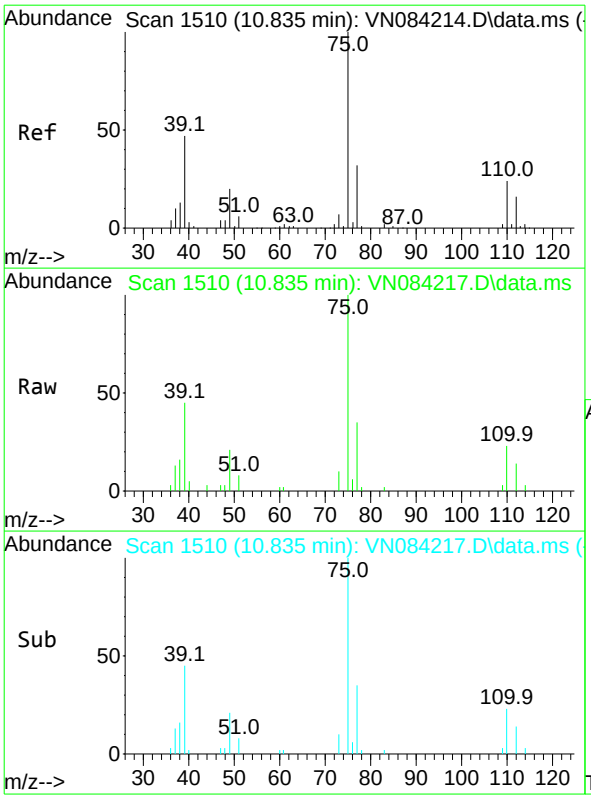


#52
Toluene
Concen: 5.054 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 92 Resp: 26489

Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.3	205.9

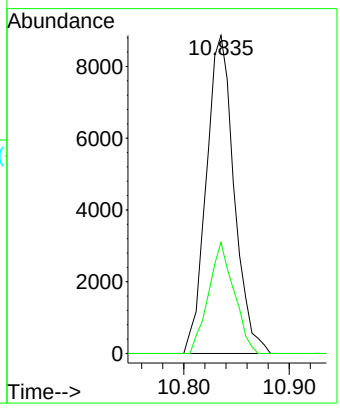




#53
t-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 16242

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 10/01/2024
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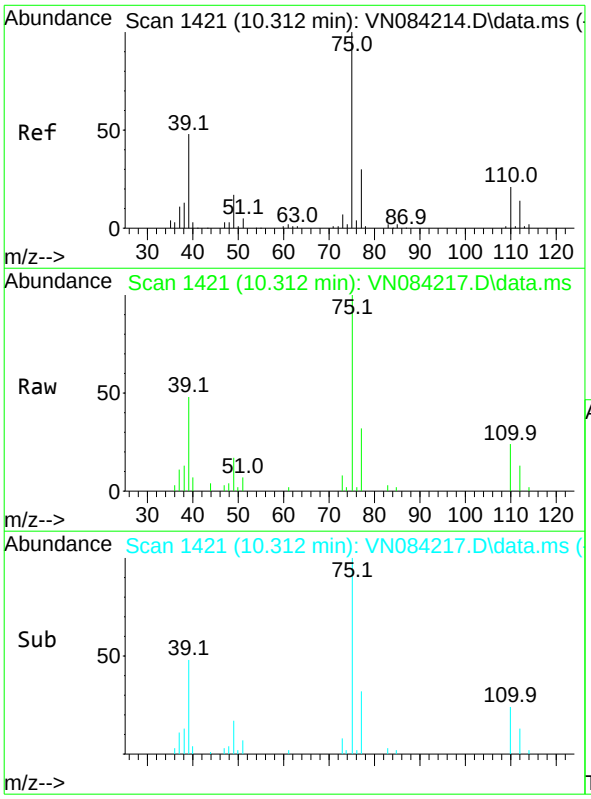
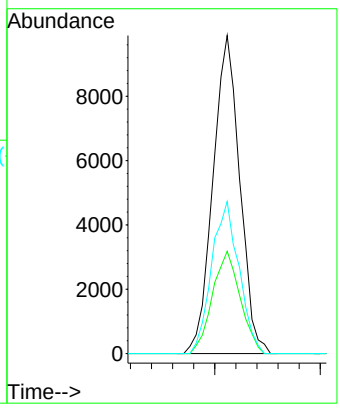
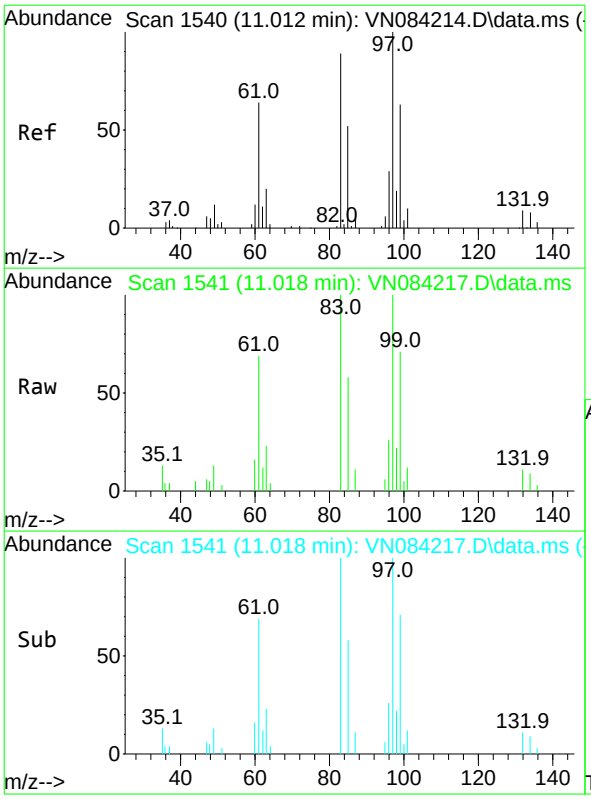


#54
cis-1,3-Dichloropropene
Concen: 5.220 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 17448

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.2	36.2
39	47.8	38.7	58.1

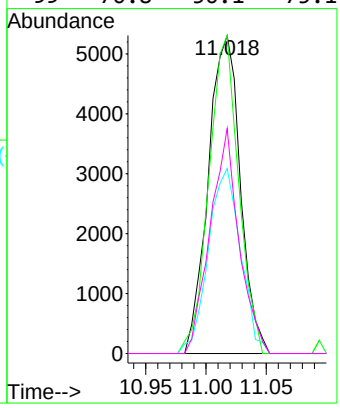




#55
1,1,2-Trichloroethane
Concen: 5.219 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 97 Resp: 9805

Ion	Ratio	Lower	Upper
97	100		
83	100.1	71.0	106.4
85	58.2	41.7	62.5
99	70.8	50.1	75.1



Instrument :
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ClientSampleId :
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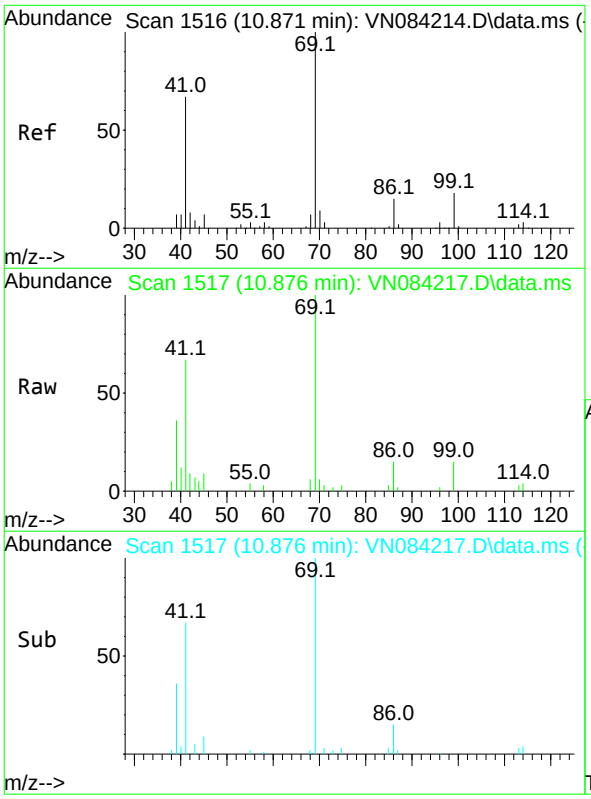
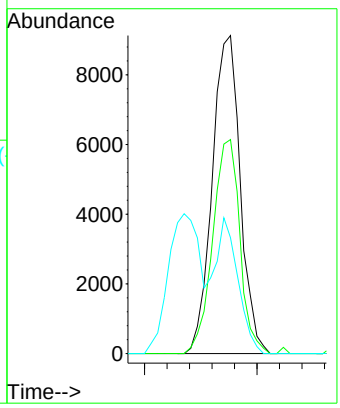
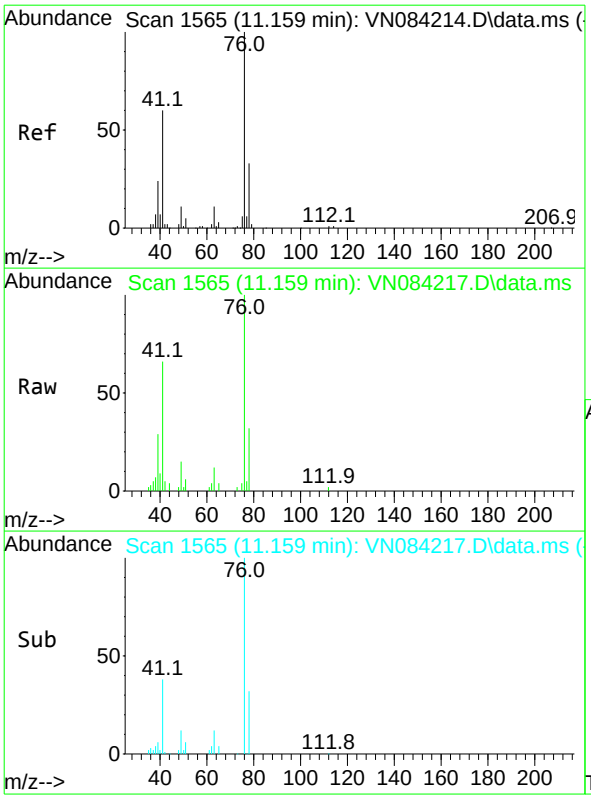


#56
Ethyl methacrylate
Concen: 5.109 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 69 Resp: 15794

Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.3	79.9
39	31.7	28.8	43.2

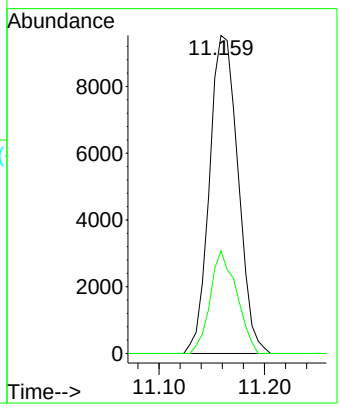




#57
1,3-Dichloropropane
Concen: 5.348 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 76 Resp: 17954

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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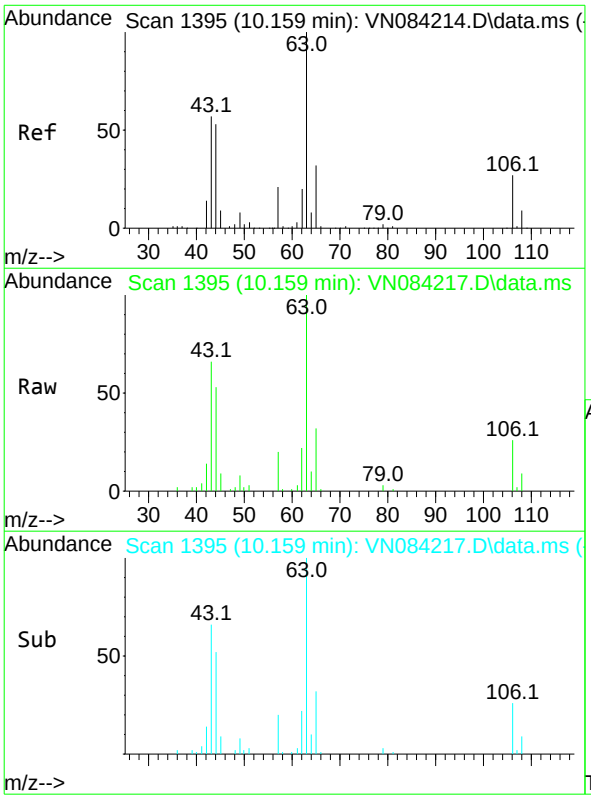
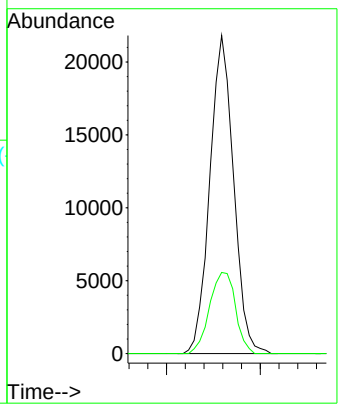
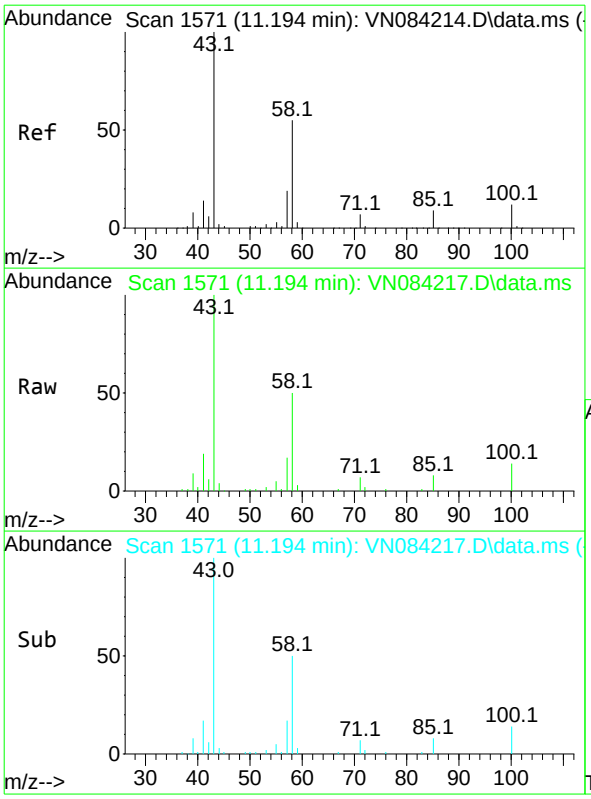


#58
2-Chloroethyl Vinyl ether
Concen: 26.787 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 38417

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6

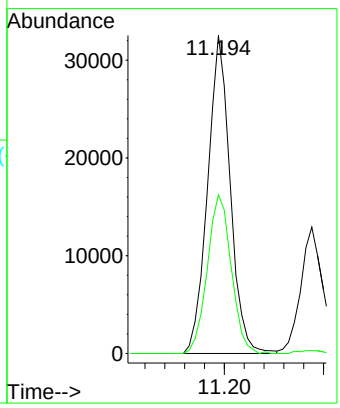




#59
2-Hexanone
Concen: 25.570 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 51488

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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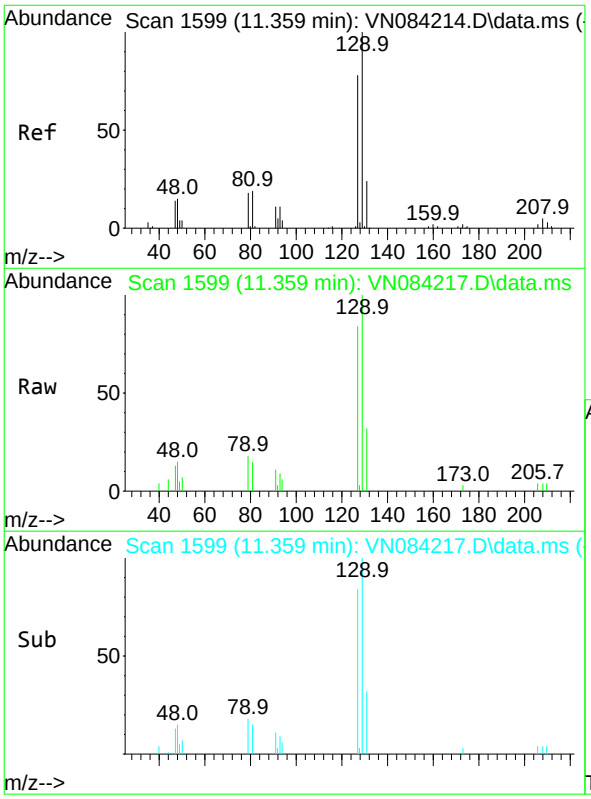
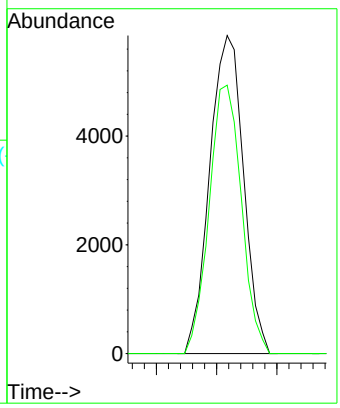
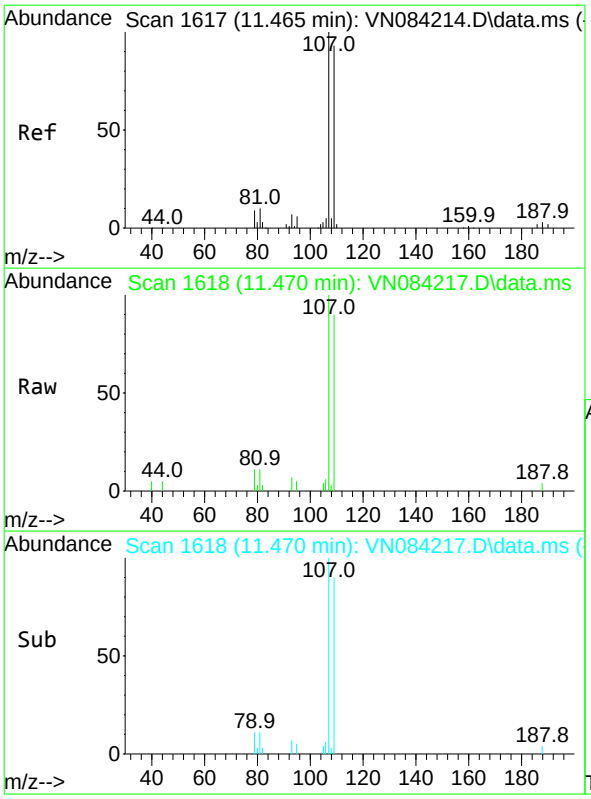


#60
Dibromochloromethane
Concen: 5.141 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:129 Resp: 11412

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.3	114.9

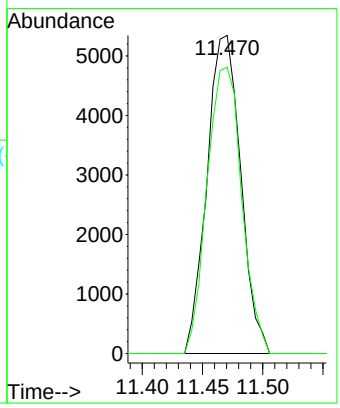




#61
1,2-Dibromoethane
Concen: 5.324 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:107 Resp: 10394

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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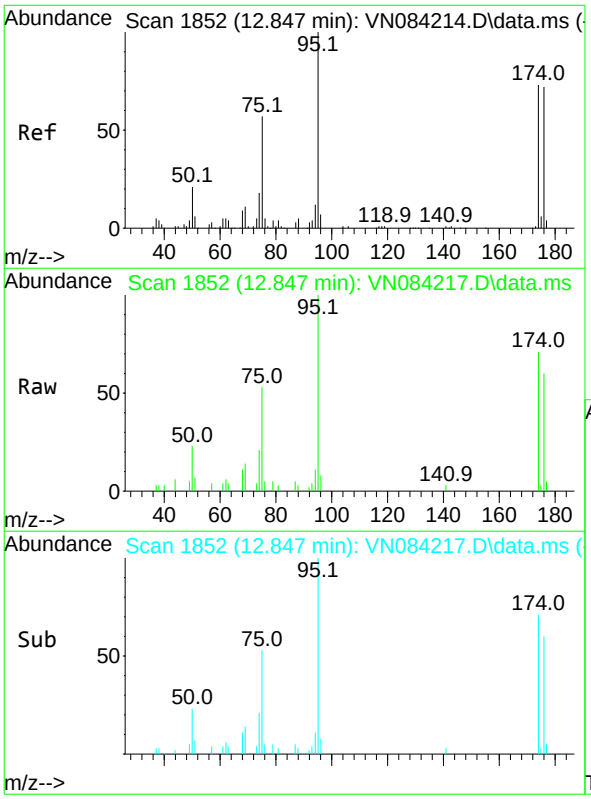
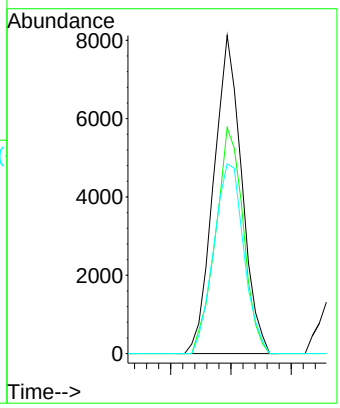
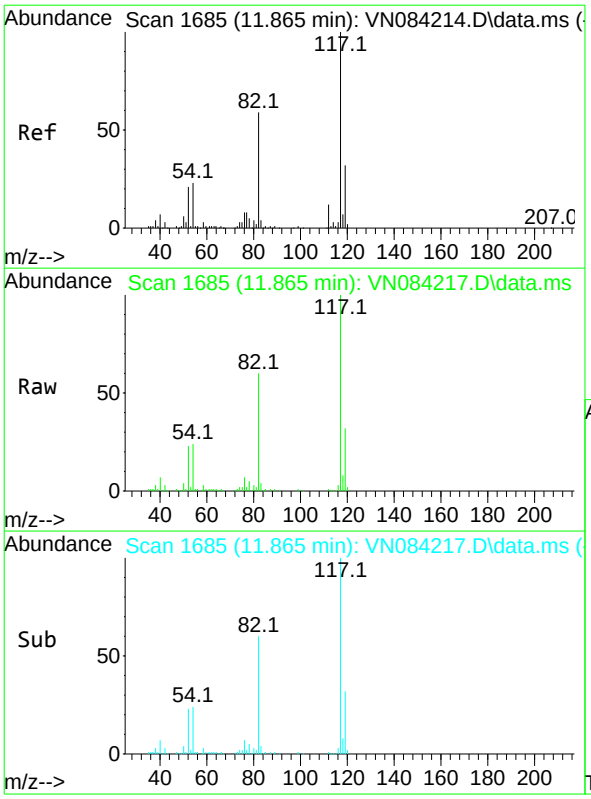


#62
4-Bromofluorobenzene
Concen: 5.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 95 Resp: 13132

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	145.2
176	64.1	0.0	140.0

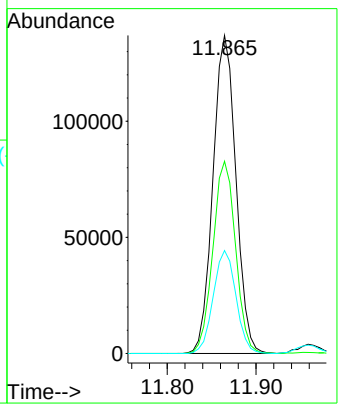




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 245710

Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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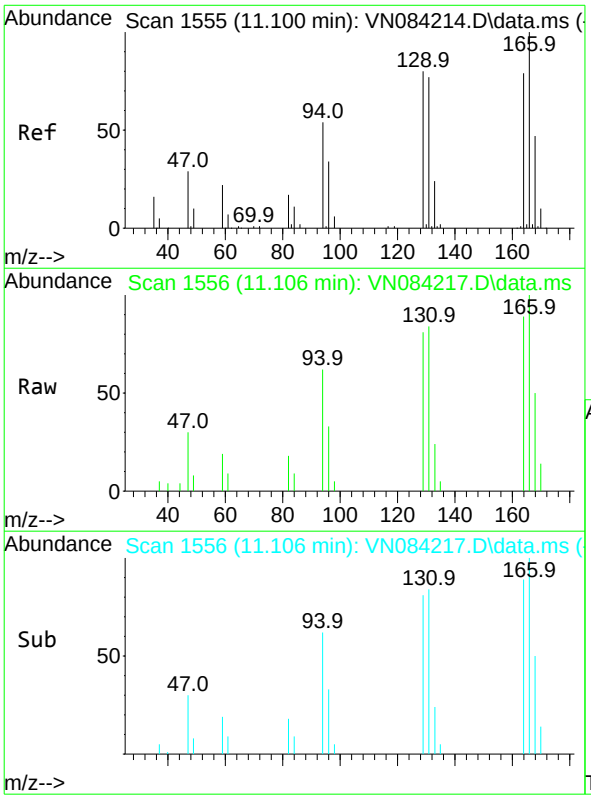
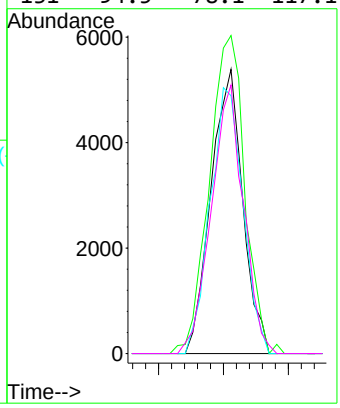
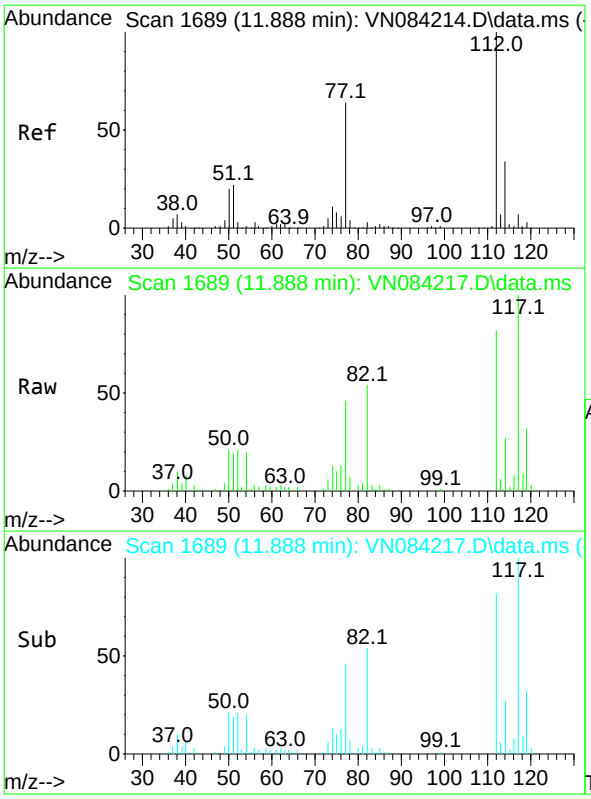


#64
Tetrachloroethene
Concen: 5.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:164 Resp: 9167

Ion	Ratio	Lower	Upper
164	100		
166	109.1	101.0	151.4
129	90.7	80.8	121.2
131	94.5	78.1	117.1

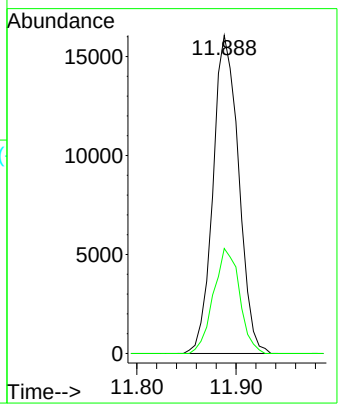




#65
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:112 Resp: 28818

Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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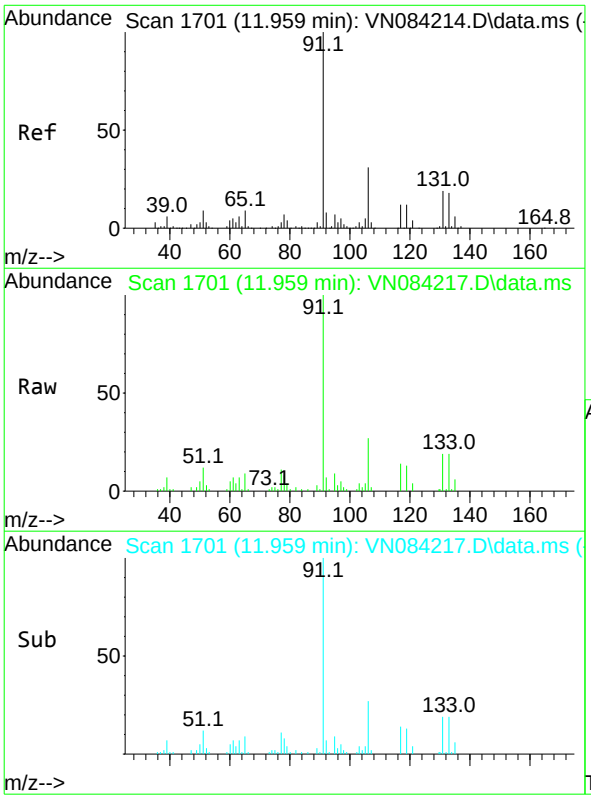
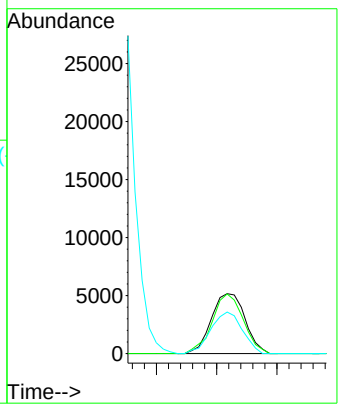
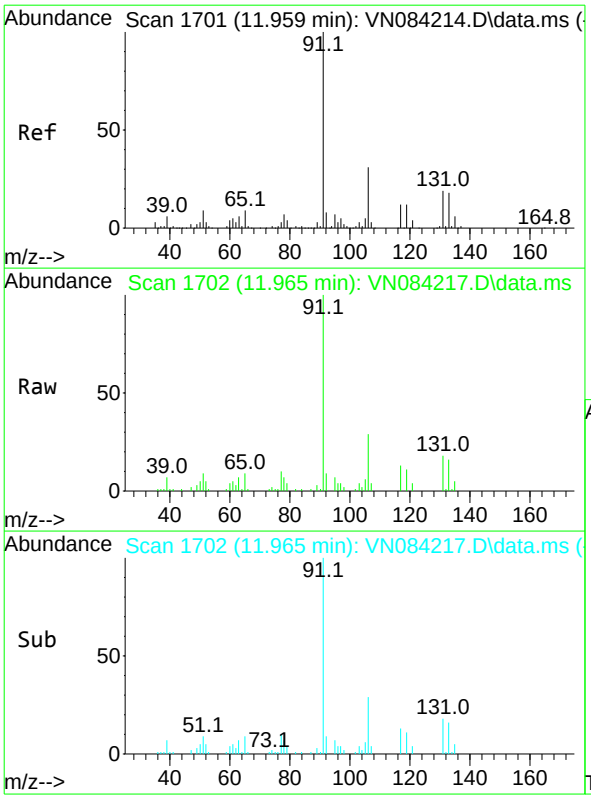


#66
1,1,1,2-Tetrachloroethane
Concen: 5.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:131 Resp: 10054

Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.9	143.7
119	64.8	32.8	98.3

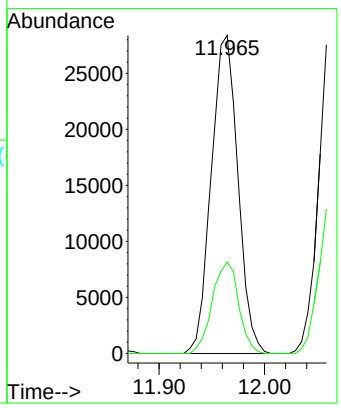




#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 49891

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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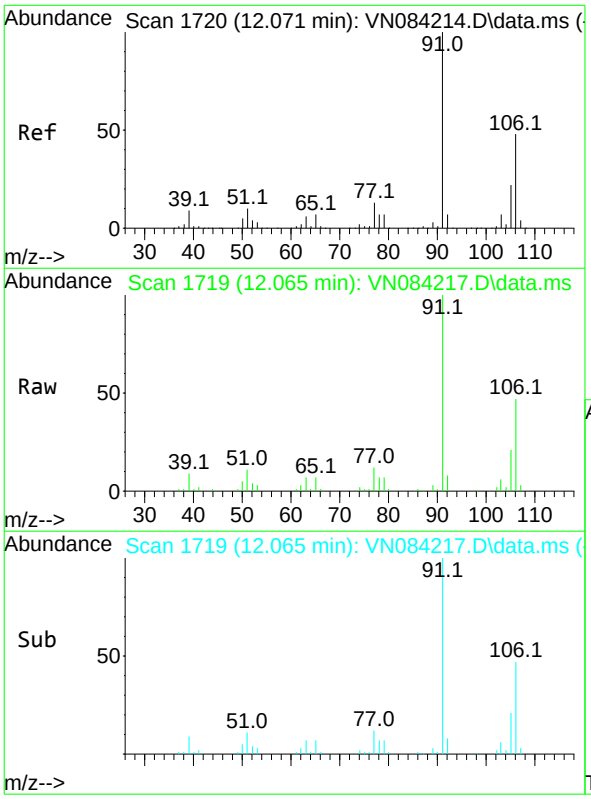
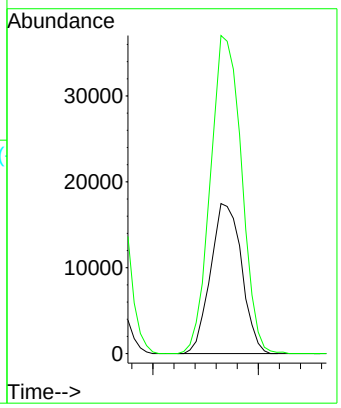
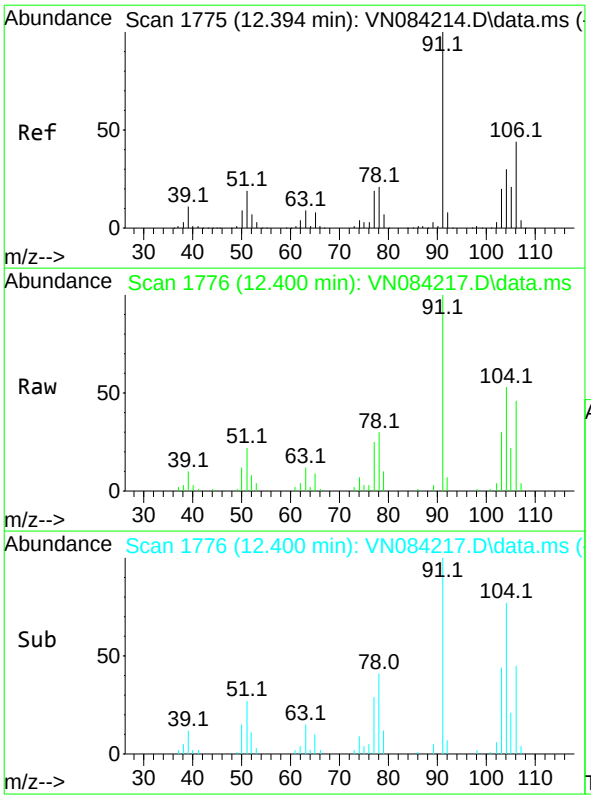


#68
m/p-Xylenes
Concen: 10.051 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 35820

Ion	Ratio	Lower	Upper
106	100		
91	212.5	167.1	250.7

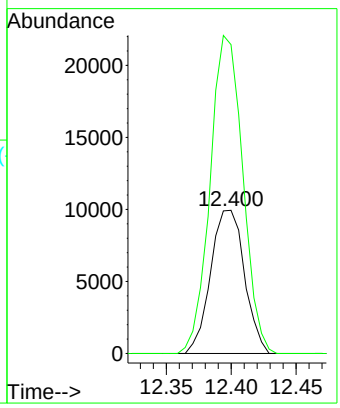




#69
o-Xylene
Concen: 5.350 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 18041

Ion	Ratio	Lower	Upper
106	100		
91	214.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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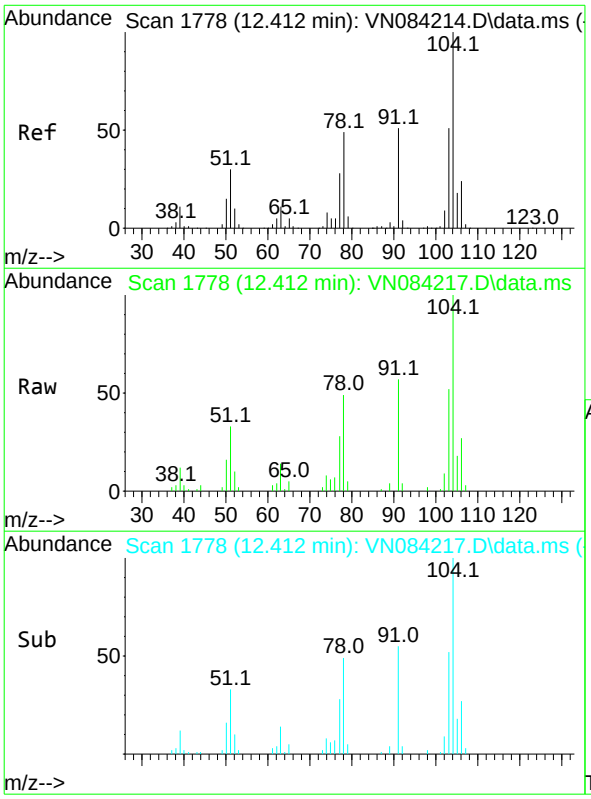
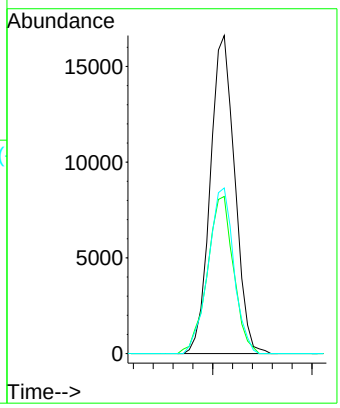
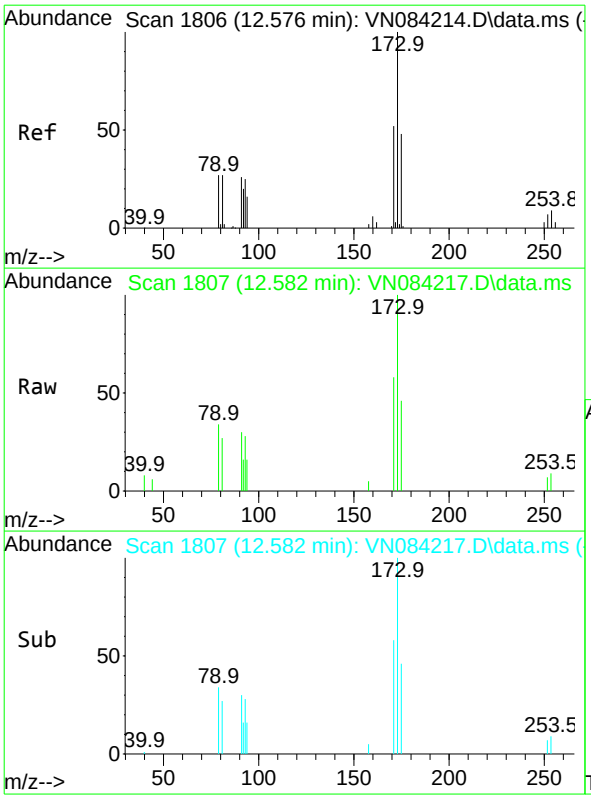


#70
Styrene
Concen: 4.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:104 Resp: 28472

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	54.5	43.6	65.4

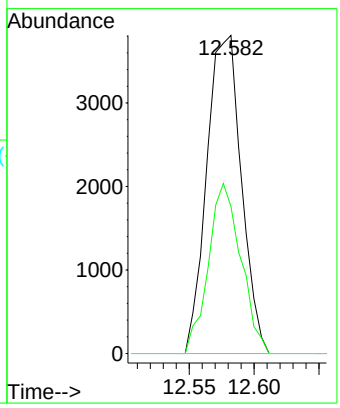




#71
Bromoform
Concen: 5.115 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:173 Resp: 7067

Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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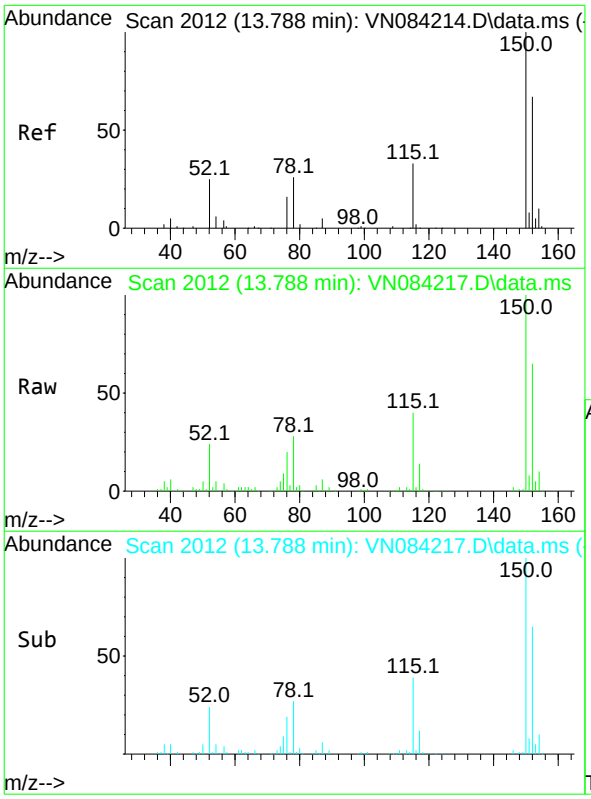
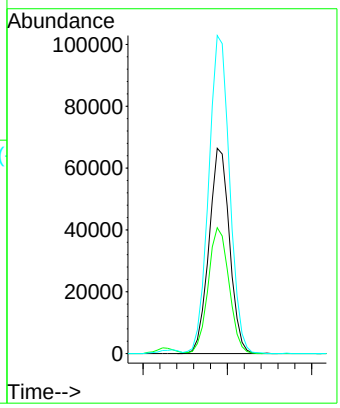
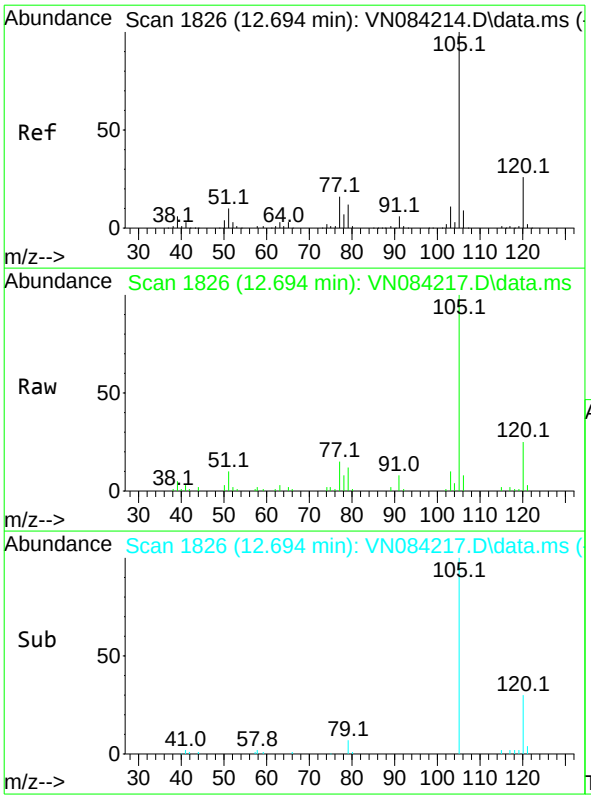


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:152 Resp: 112491

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.3	93.9
150	158.0	0.0	349.8

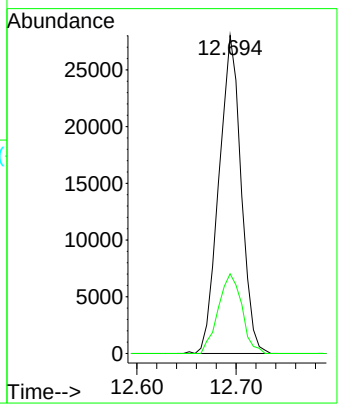




#73
Isopropylbenzene
Concen: 5.064 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 43468

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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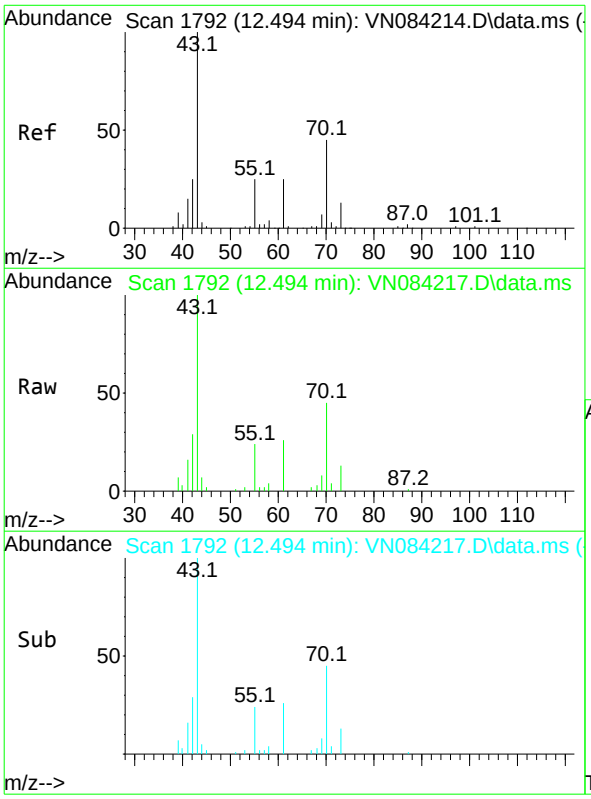
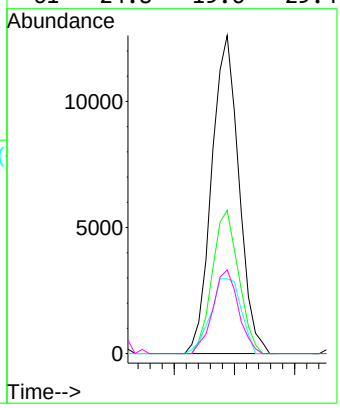
Supervised By :Mahesh Dadoda 10/01/2024

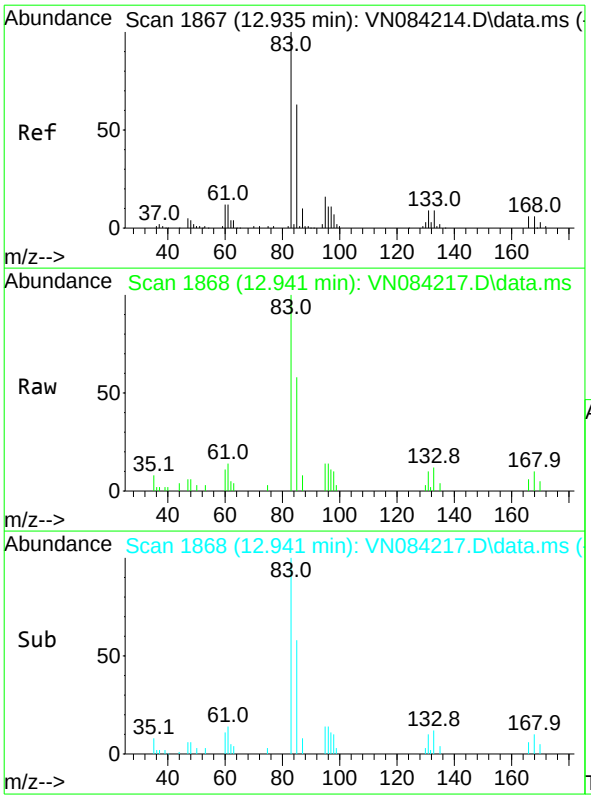


#74
N-amyl acetate
Concen: 5.087 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 19775

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	26.3	19.6	29.4
61	24.8	19.6	29.4

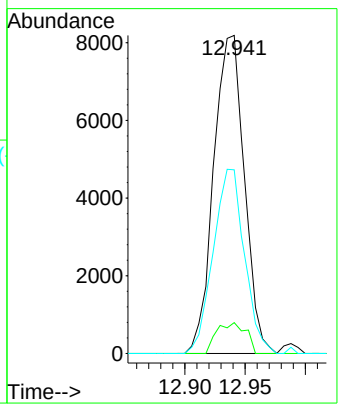




#75
1,1,2,2-Tetrachloroethane
Concen: 5.624 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 14517

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	59.0	31.9	95.7



Instrument :
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ClientSampleId :
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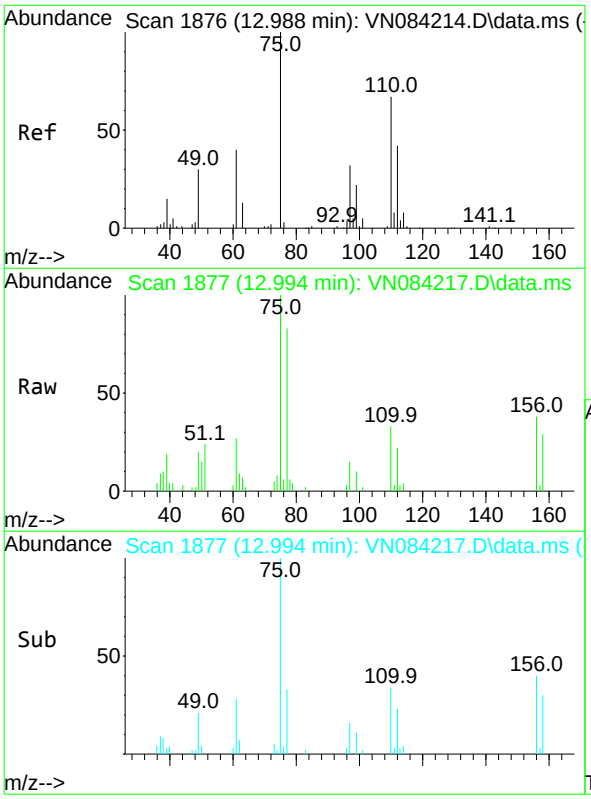
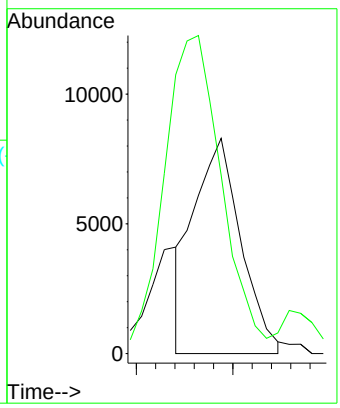
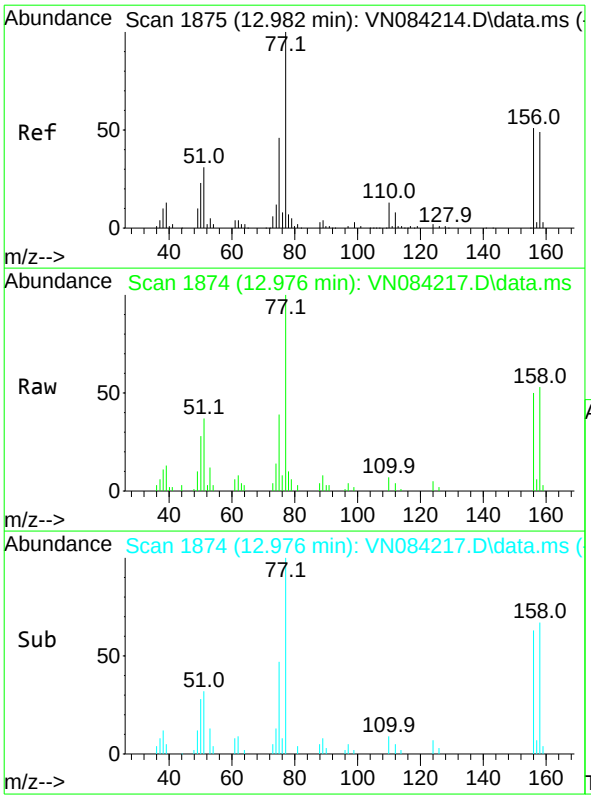


#76
1,2,3-Trichloropropane
Concen: 6.276 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 14072

Ion	Ratio	Lower	Upper
75	100		
77	180.3	96.9	290.7

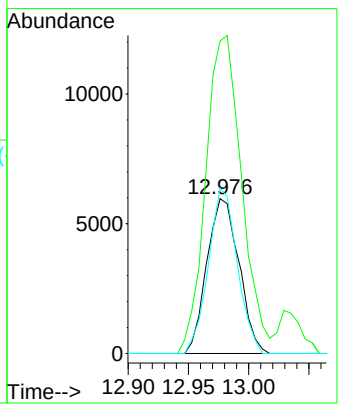




#77
Bromobenzene
Concen: 5.336 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:156 Resp: 11049

Ion	Ratio	Lower	Upper
156	100		
77	229.7	115.1	345.3
158	96.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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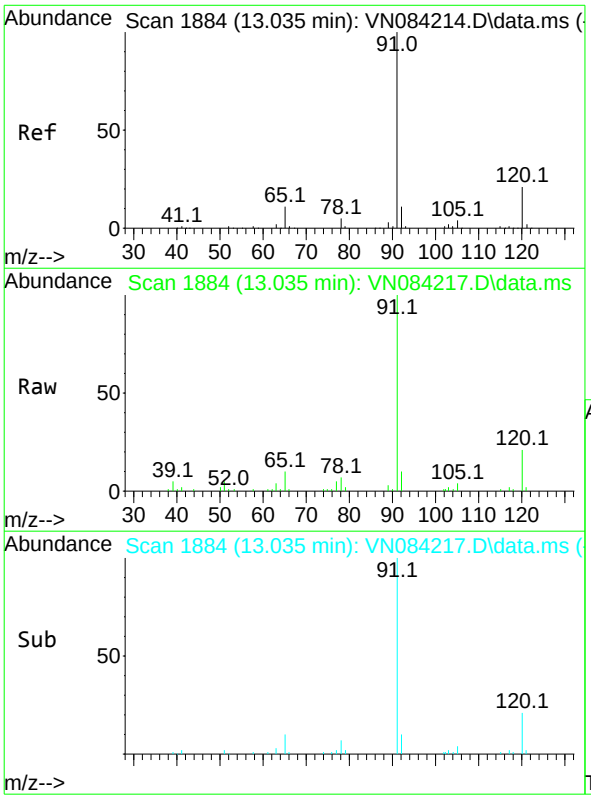
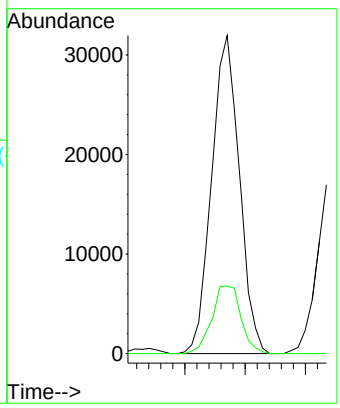
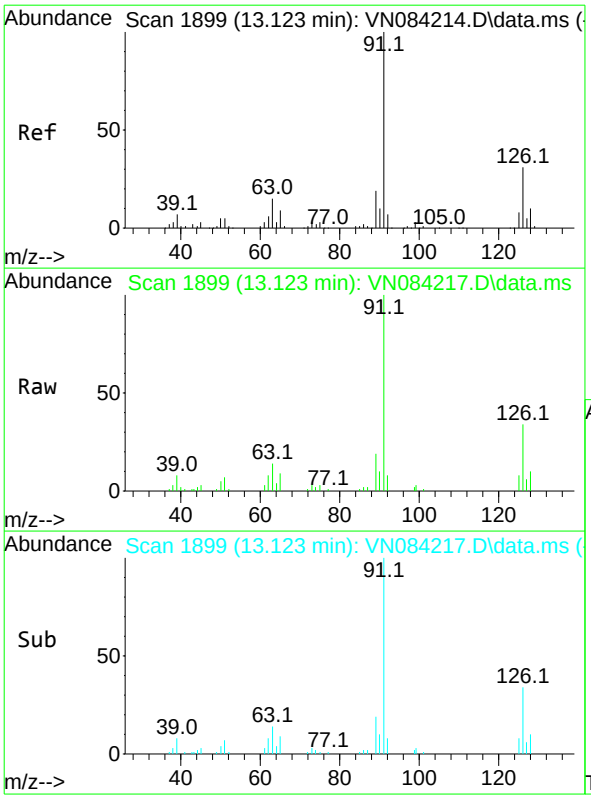


#78
n-propylbenzene
Concen: 5.140 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 51120

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

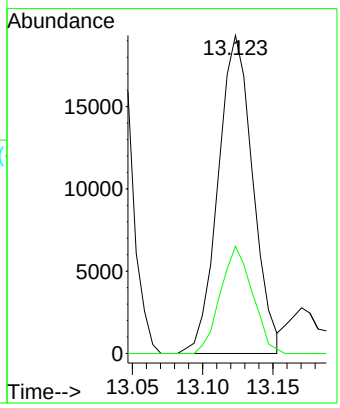




#79
2-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33161

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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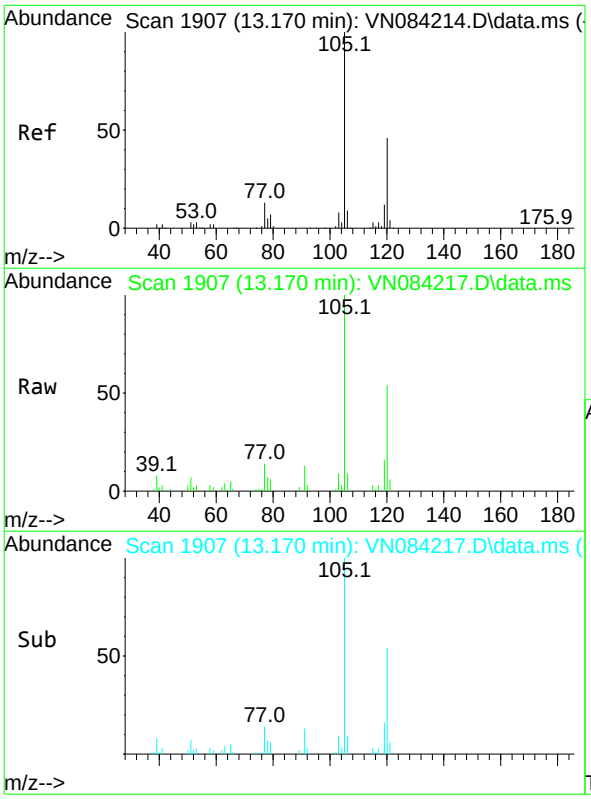
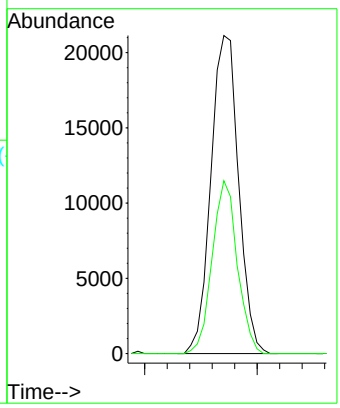
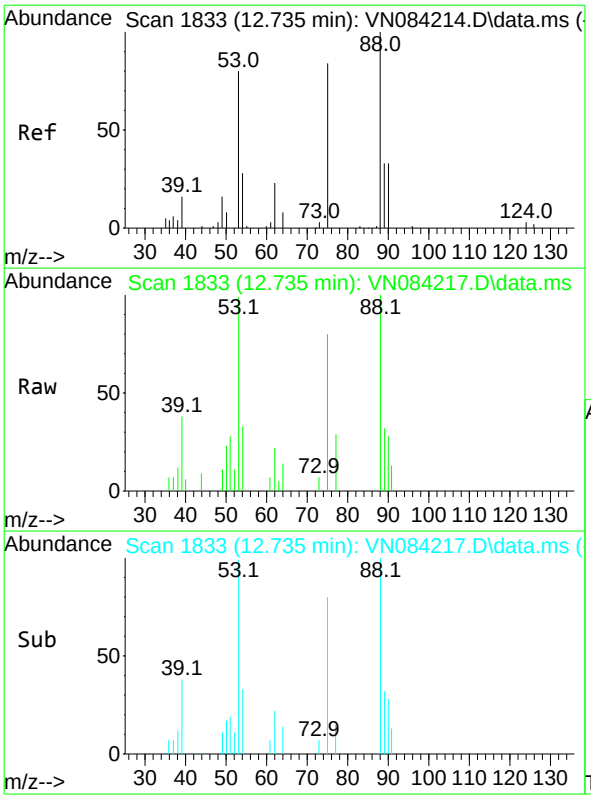


#80
1,3,5-Trimethylbenzene
Concen: 5.156 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36100

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1

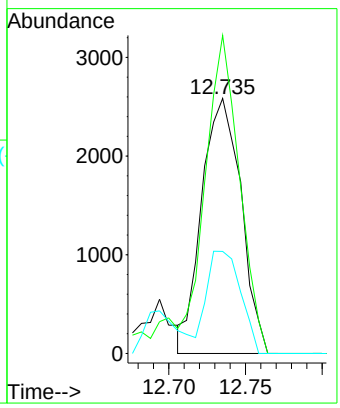




#81
trans-1,4-Dichloro-2-butene
Concen: 4.797 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 4595

Ion	Ratio	Lower	Upper
75	100		
53	120.1	78.0	117.0#
89	34.5	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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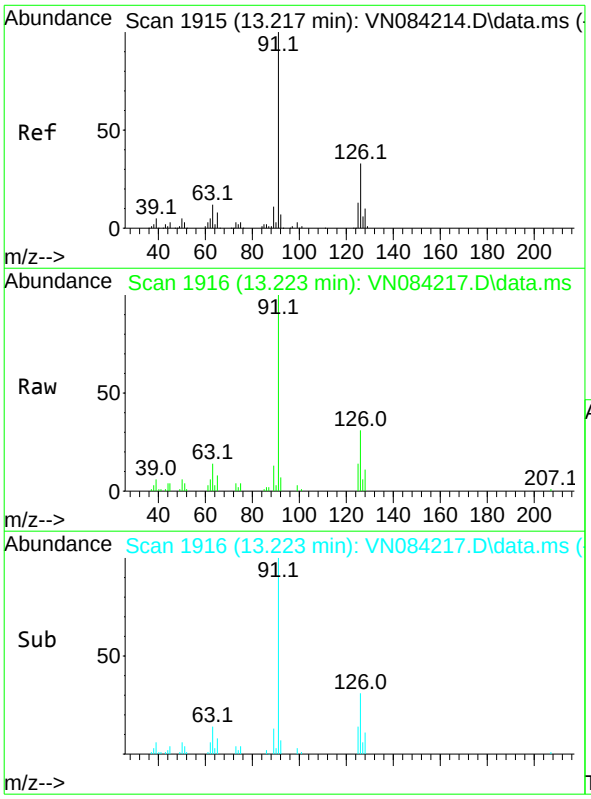
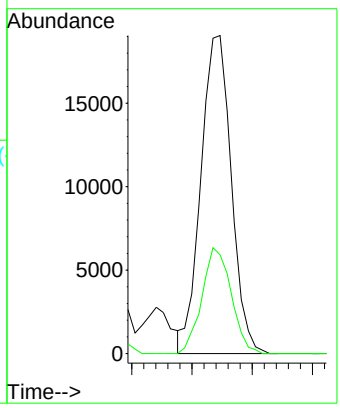
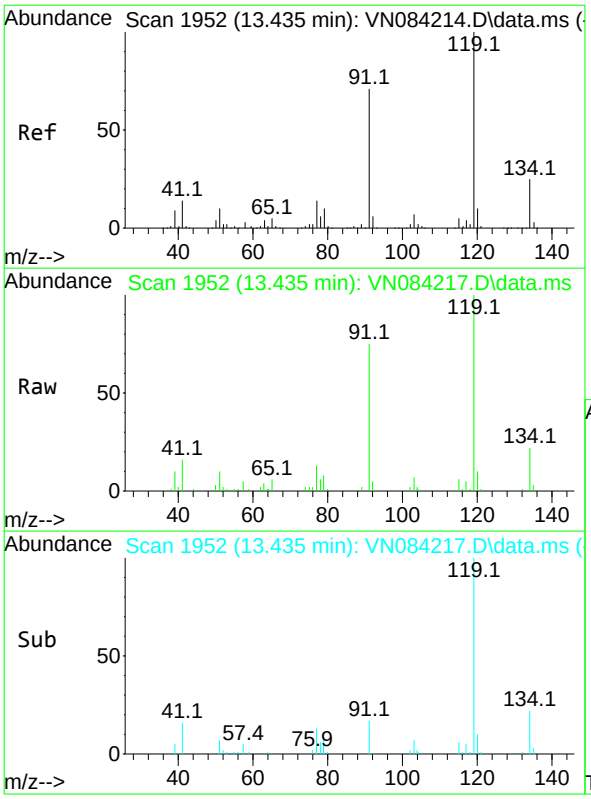


#82
4-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33382

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

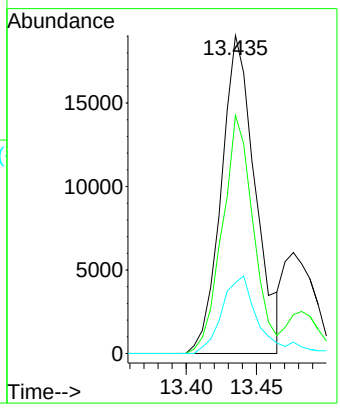




#83
tert-Butylbenzene
Concen: 5.140 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:119 Resp: 31990

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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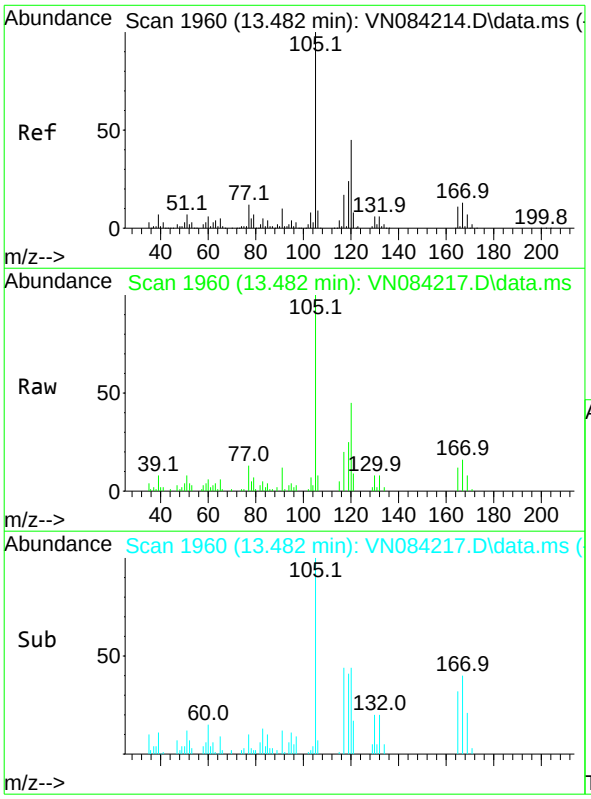
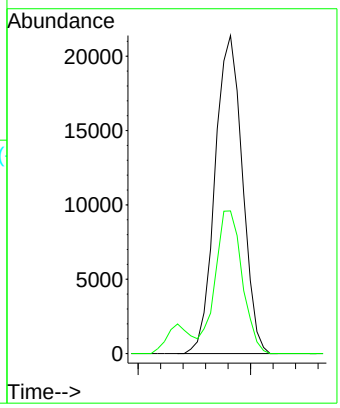
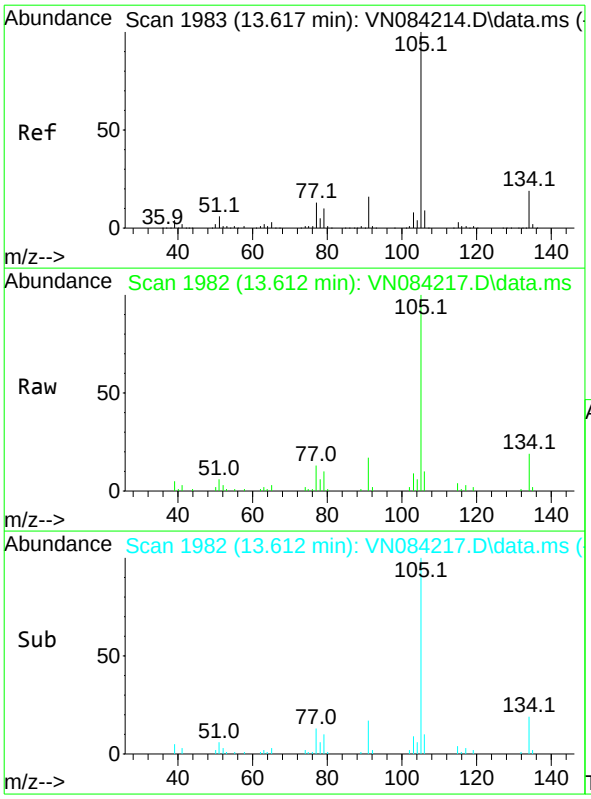


#84
1,2,4-Trimethylbenzene
Concen: 5.118 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36099

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8

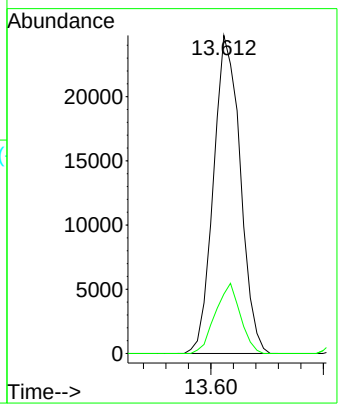




#85
sec-Butylbenzene
Concen: 4.931 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 40954

Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
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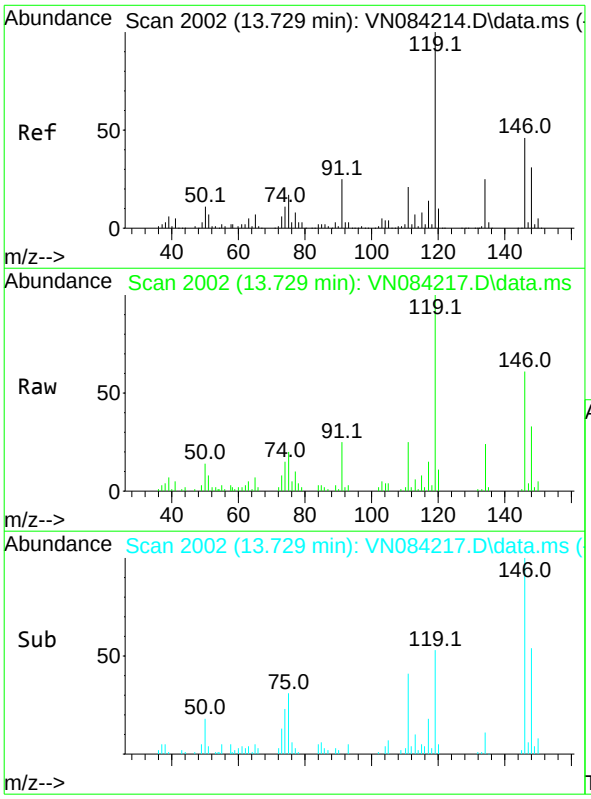
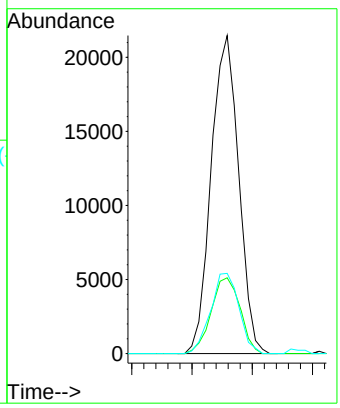
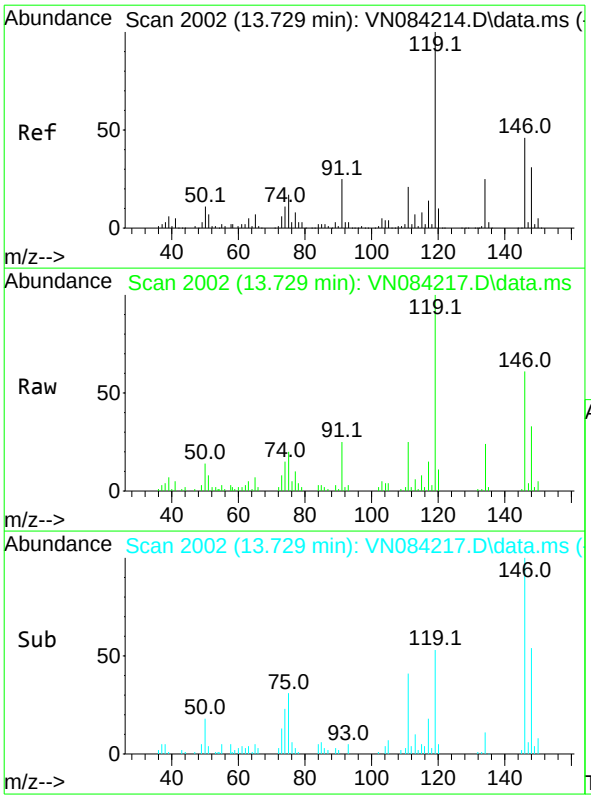


#86
p-Isopropyltoluene
Concen: 4.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:119 Resp: 34083

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	26.0	12.4	37.2

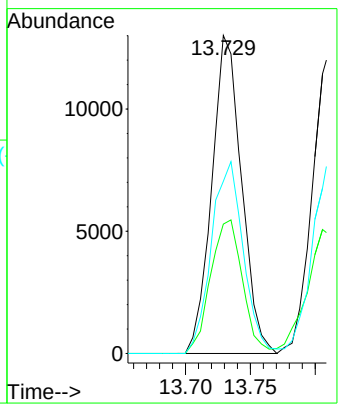




#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 20730

Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.3
148	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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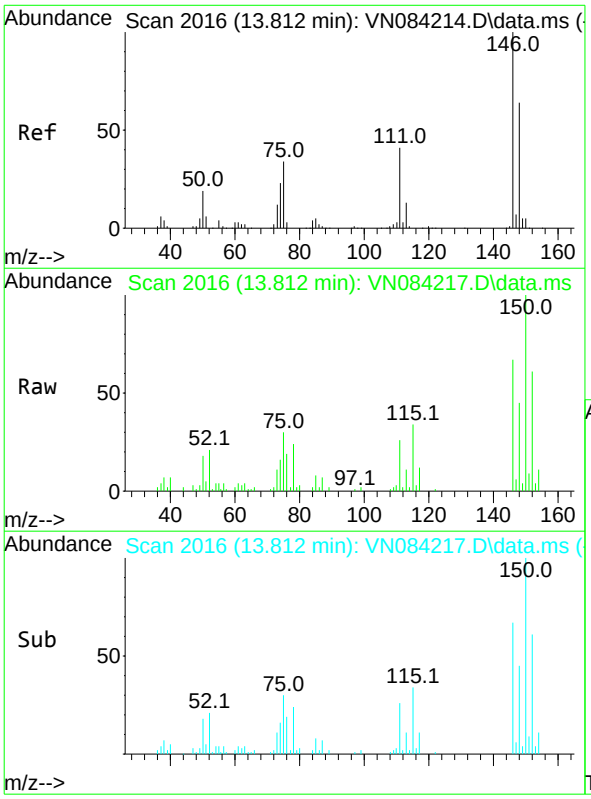
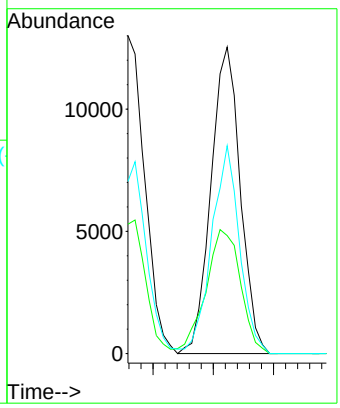
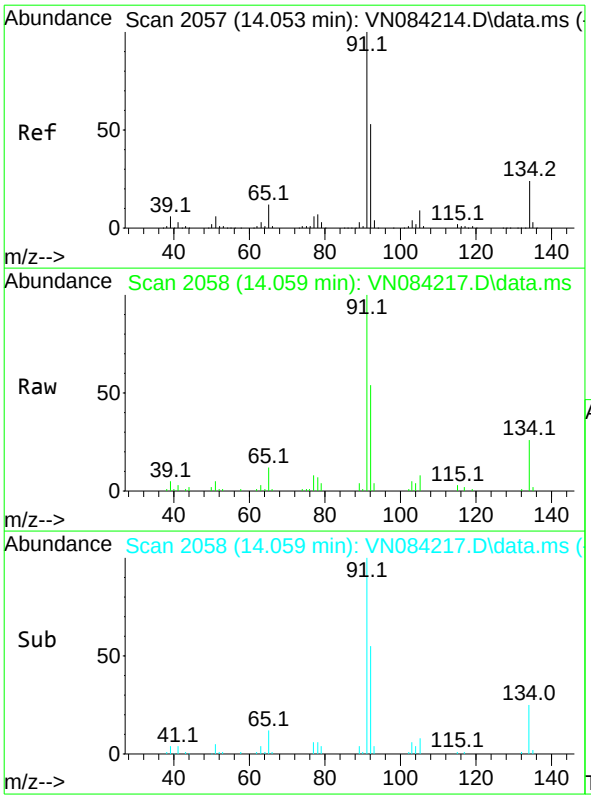


#88
1,4-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 21249

Ion	Ratio	Lower	Upper
146	100		
111	47.9	21.2	63.6
148	64.5	31.9	95.9

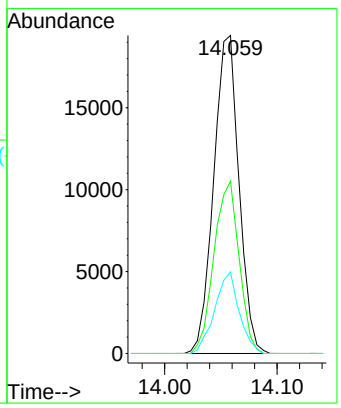




#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 30253

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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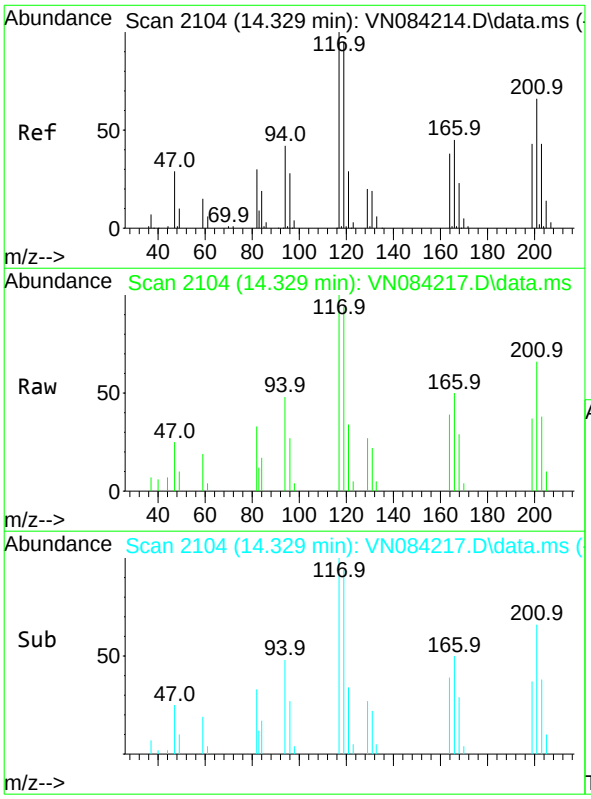
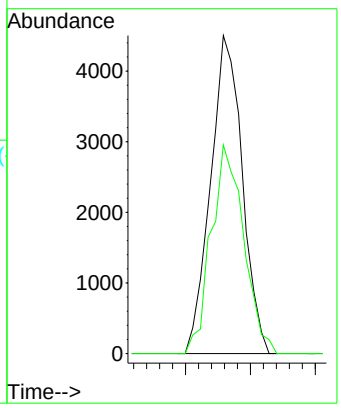
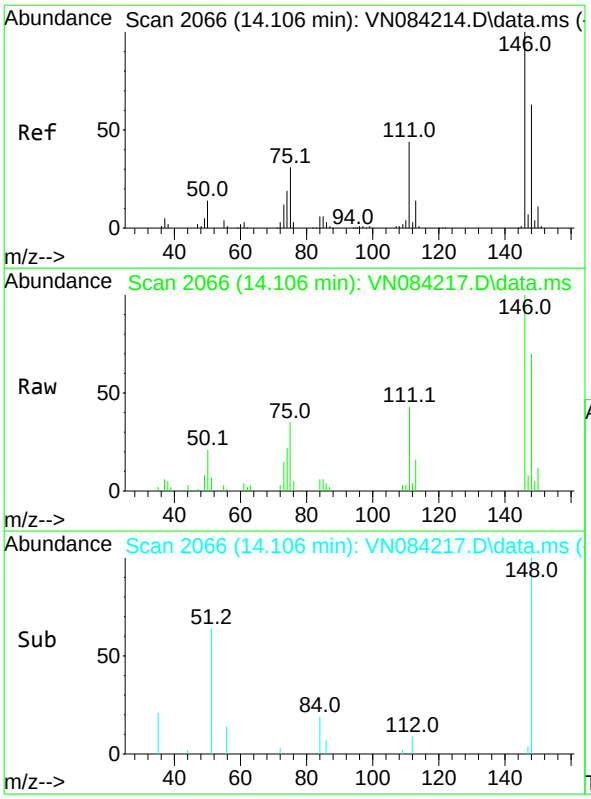


#90
Hexachloroethane
Concen: 5.472 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 7628

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

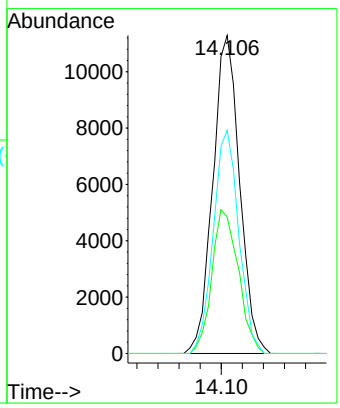




#91
1,2-Dichlorobenzene
Concen: 5.226 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 19905

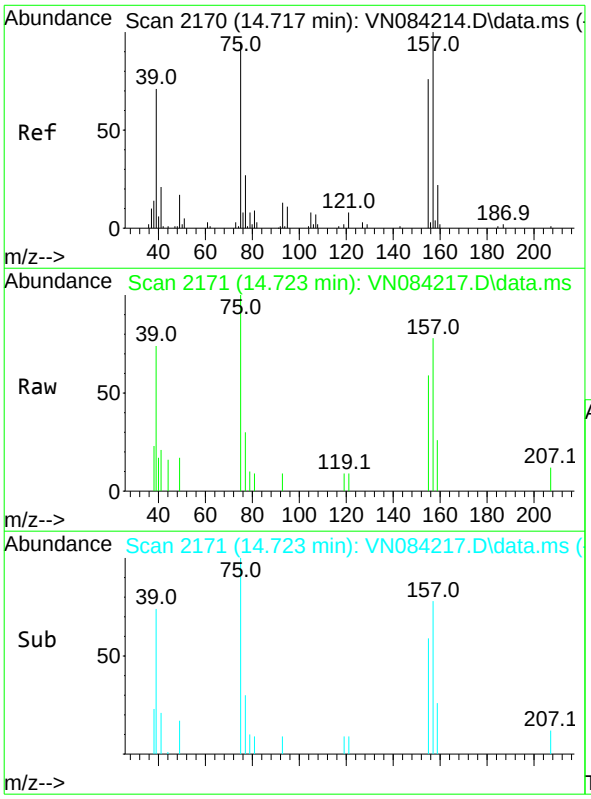
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.0	66.0
148	66.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

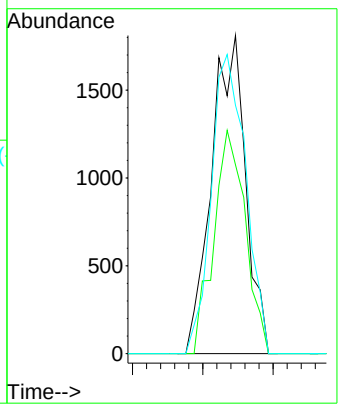
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

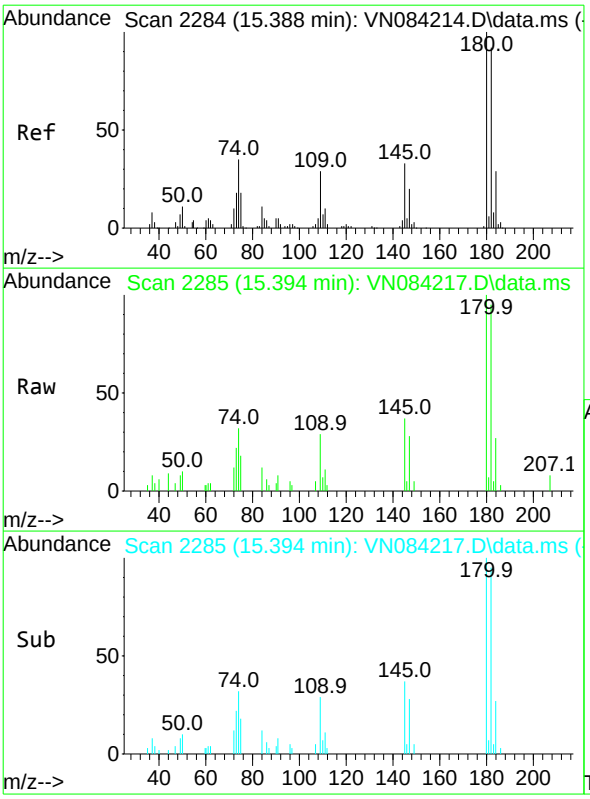


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 3046

Ion	Ratio	Lower	Upper
75	100		
155	65.1	38.1	114.5
157	95.3	49.6	149.0

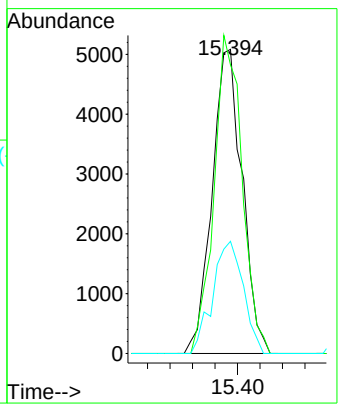




#93
1,2,4-Trichlorobenzene
Concen: 5.031 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:180 Resp: 9439

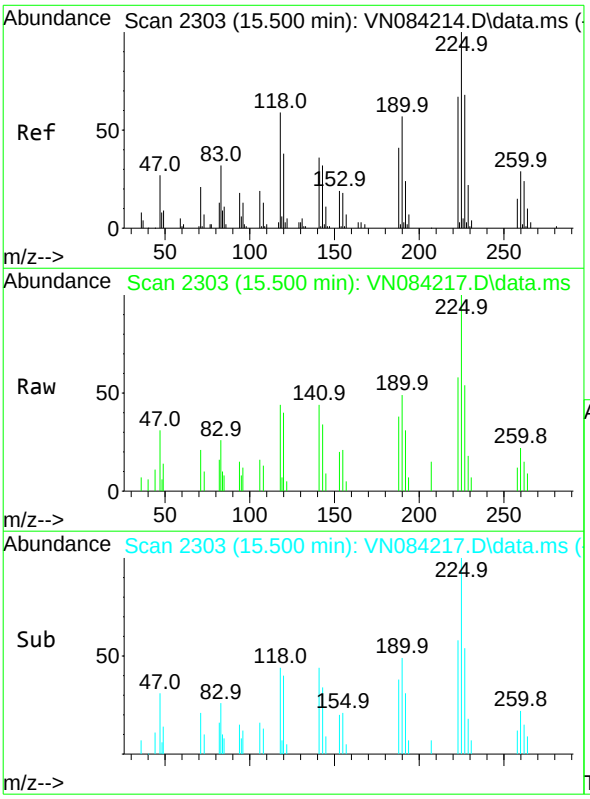
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.0	141.0
145	37.6	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

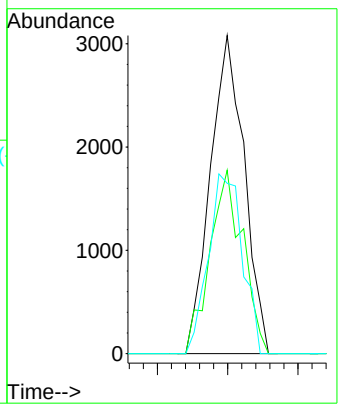
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

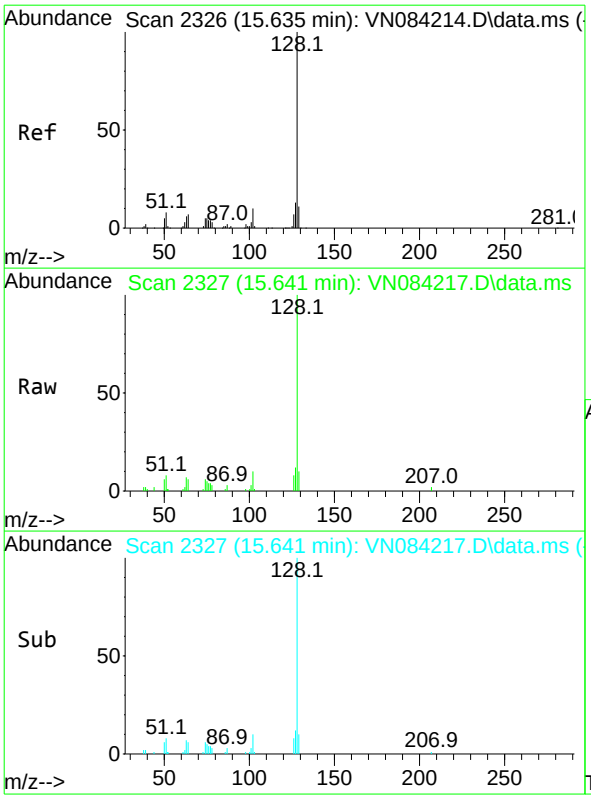


#94
Hexachlorobutadiene
Concen: 5.530 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:225 Resp: 5174

Ion	Ratio	Lower	Upper
225	100		
223	56.0	32.4	97.2
227	56.4	32.4	97.0

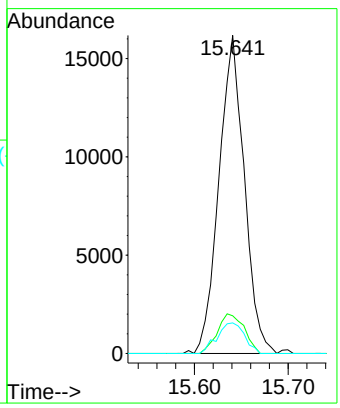




#95
Naphthalene
Concen: 4.886 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:128 Resp: 30391

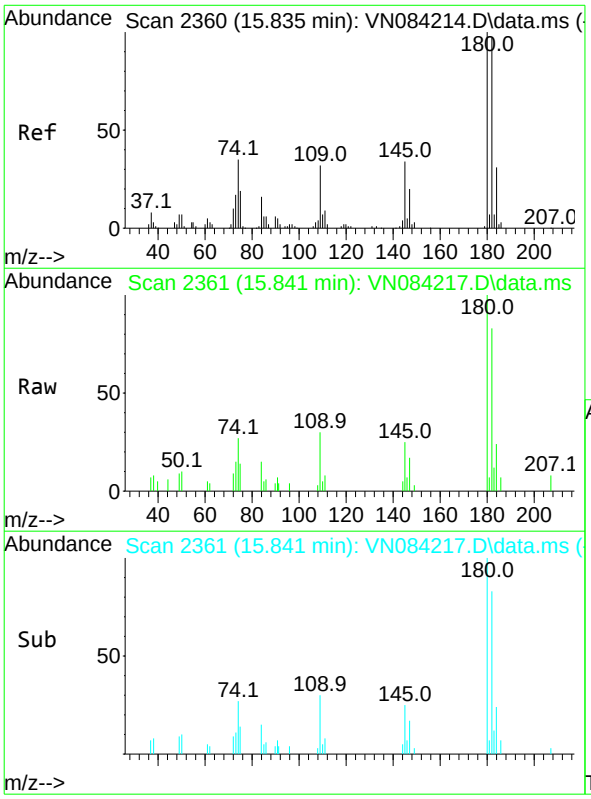
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

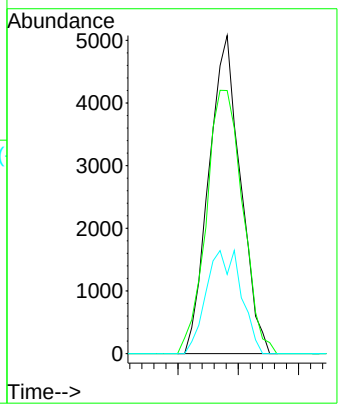
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 4.923 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:180 Resp: 9245

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.2	144.6
145	36.0	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	160573	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	290146	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	244376	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101963	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1928	1.015	ug/l		83
3) Chloromethane	2.365	50	2217	1.022	ug/l		99
4) Vinyl Chloride	2.512	62	1981	0.943	ug/l		89
6) Chloroethane	3.124	64	2029	1.349	ug/l		97
7) Trichlorofluoromethane	3.500	101	3140	0.960	ug/l		94
8) Diethyl Ether	3.965	74	1167	0.962	ug/l		88
9) 1,1,2-Trichlorotrifluo...	4.371	101	1934	1.032	ug/l	#	63
12) 1,1-Dichloroethene	4.353	96	1584	0.876	ug/l	#	50
14) Allyl chloride	5.018	41	2852m	0.908	ug/l		
15) Acrylonitrile	5.736	53	4920	4.963	ug/l	#	81
16) Acetone	4.436	43	4799	4.692	ug/l		90
17) Carbon Disulfide	4.718	76	6680	1.167	ug/l		100
18) Methyl Acetate	5.030	43	2249	1.009	ug/l	#	64
19) Methyl tert-butyl Ether	5.806	73	5319	0.872	ug/l	#	83
20) Methylene Chloride	5.277	84	2203	1.060	ug/l	#	83
21) trans-1,2-Dichloroethene	5.783	96	1753	0.925	ug/l		86
22) Diisopropyl ether	6.671	45	5639	0.868	ug/l	#	96
23) Vinyl Acetate	6.606	43	19212m	3.967	ug/l		
24) 1,1-Dichloroethane	6.571	63	3358	0.925	ug/l	#	83
25) 2-Butanone	7.488	43	6488	4.658	ug/l		91
26) 2,2-Dichloropropane	7.494	77	2902	0.886	ug/l		96
27) cis-1,2-Dichloroethene	7.483	96	2259	0.987	ug/l		92
28) Bromochloromethane	7.824	49	1718	1.060	ug/l	#	87
29) Tetrahydrofuran	7.841	42	4006	4.660	ug/l		92
30) Chloroform	7.971	83	3793	1.005	ug/l		99
32) 1,1,1-Trichloroethane	8.171	97	3120	0.921	ug/l	#	53
36) 1,1-Dichloropropene	8.365	75	2420	0.871	ug/l		98
37) Ethyl Acetate	7.559	43	2596	0.911	ug/l	#	78
38) Carbon Tetrachloride	8.359	117	2795	0.917	ug/l		90
39) Methylcyclohexane	9.600	83	2486	0.804	ug/l	#	88
40) Benzene	8.606	78	8245	0.952	ug/l		94
41) Methacrylonitrile	7.782	41	1490	0.963	ug/l	#	66
42) 1,2-Dichloroethane	8.671	62	2669	0.909	ug/l		88
43) Isopropyl Acetate	8.688	43	7614m	1.364	ug/l		
44) Trichloroethene	9.347	130	1885	0.932	ug/l		87
45) 1,2-Dichloropropane	9.624	63	1676	0.818	ug/l	#	44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.706	93	1144	0.828 ug/l	87
47) Bromodichloromethane	9.894	83	2754	0.897 ug/l #	93
48) Methyl methacrylate	9.676	41	1824	0.821 ug/l	93
49) 1,4-Dioxane	9.694	88	800	19.552 ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	11218	4.134 ug/l	97
52) Toluene	10.629	92	4875	0.923 ug/l	91
53) t-1,3-Dichloropropene	10.829	75	2493	0.797 ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	2720	0.808 ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	1669	0.882 ug/l	90
56) Ethyl methacrylate	10.876	69	2402	0.771 ug/l #	77
57) 1,3-Dichloropropane	11.159	76	3092	0.914 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	6179	4.278 ug/l	98
59) 2-Hexanone	11.194	43	8282	4.084 ug/l	96
60) Dibromochloromethane	11.353	129	1916	0.857 ug/l	91
61) 1,2-Dibromoethane	11.465	107	1795	0.913 ug/l	99
64) Tetrachloroethene	11.106	164	1690	0.993 ug/l #	87
65) Chlorobenzene	11.888	112	5025	0.927 ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.959	131	1632	0.874 ug/l #	66
67) Ethyl Benzene	11.965	91	8582	0.896 ug/l #	88
68) m/p-Xylenes	12.070	106	5869	1.656 ug/l	95
69) o-Xylene	12.400	106	2398	0.715 ug/l	83
70) Styrene	12.412	104	4489	0.790 ug/l	94
71) Bromoform	12.576	173	1168	0.850 ug/l #	94
73) Isopropylbenzene	12.688	105	6991	0.899 ug/l	97
74) N-amyl acetate	12.494	43	3228	0.916 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	2233	0.954 ug/l #	95
76) 1,2,3-Trichloropropane	12.994	75	1826m	0.899 ug/l	
77) Bromobenzene	12.976	156	1818	0.969 ug/l	98
78) n-propylbenzene	13.035	91	7045	0.781 ug/l	95
79) 2-Chlorotoluene	13.129	91	5383	0.936 ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	4830	0.761 ug/l	95
82) 4-Chlorotoluene	13.223	91	5174	0.893 ug/l	100
83) tert-Butylbenzene	13.435	119	4909	0.870 ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	4760	0.744 ug/l	100
85) sec-Butylbenzene	13.612	105	5795	0.770 ug/l	99
86) p-Isopropyltoluene	13.723	119	4495	0.722 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	3424	0.972 ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	3648m	1.026 ug/l	
89) n-Butylbenzene	14.053	91	4866	0.862 ug/l	97
90) Hexachloroethane	14.335	117	1151	0.911 ug/l	82
91) 1,2-Dichlorobenzene	14.100	146	3610	1.046 ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.711	75	423	0.876 ug/l	65
93) 1,2,4-Trichlorobenzene	15.400	180	1340	0.788 ug/l	89
94) Hexachlorobutadiene	15.494	225	861	1.015 ug/l	90
95) Naphthalene	15.641	128	5031	0.892 ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	1531	0.899 ug/l	95

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

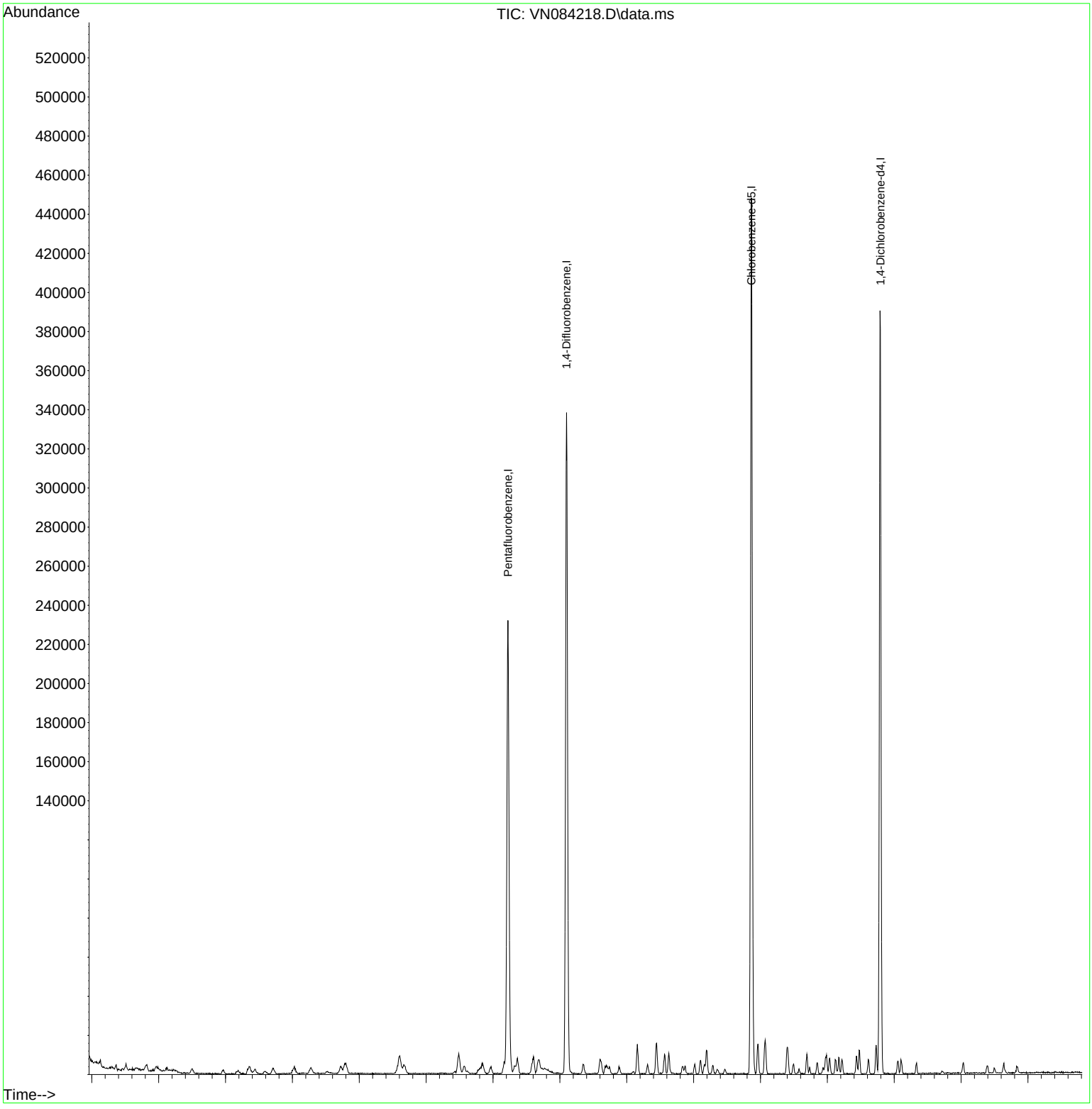
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

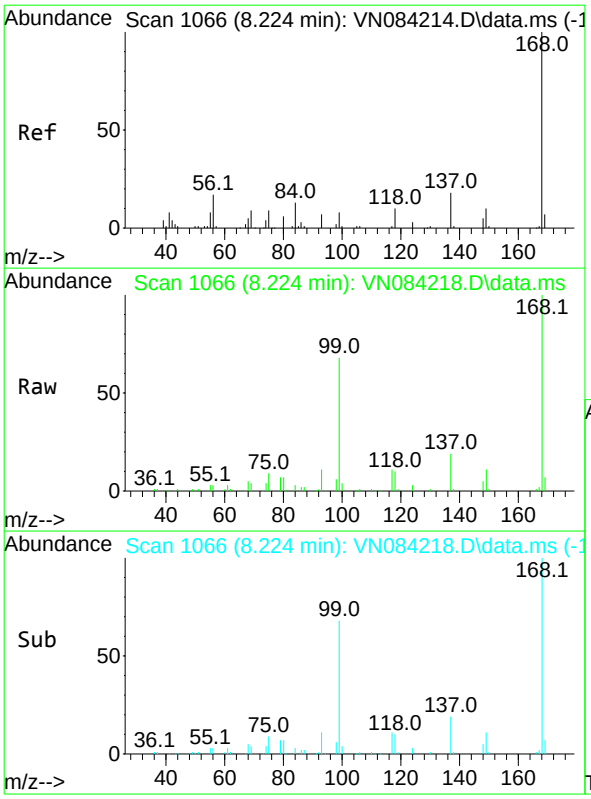
Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

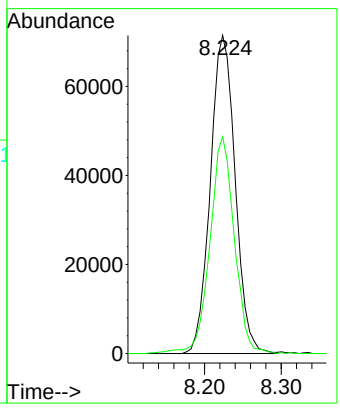




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:168 Resp: 160573

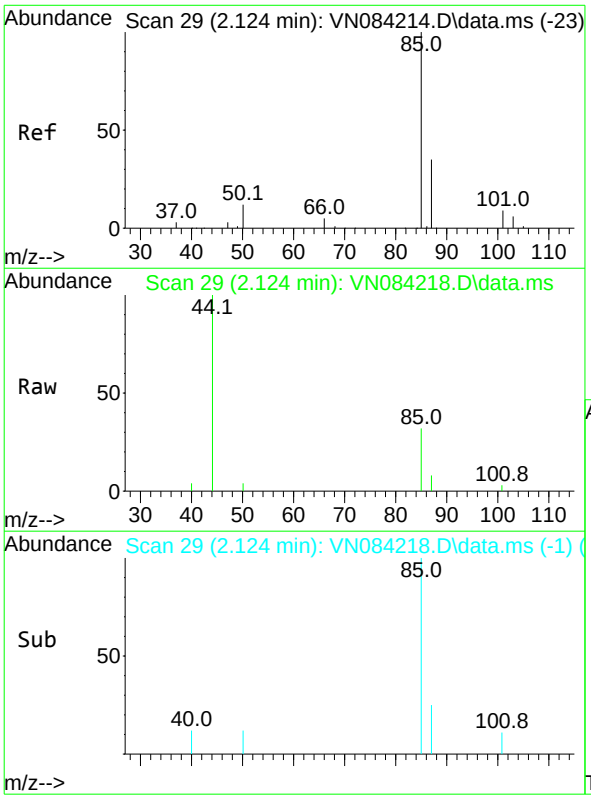
Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

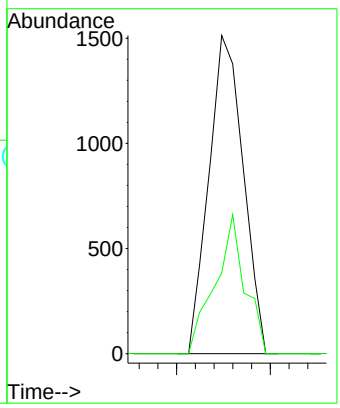
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

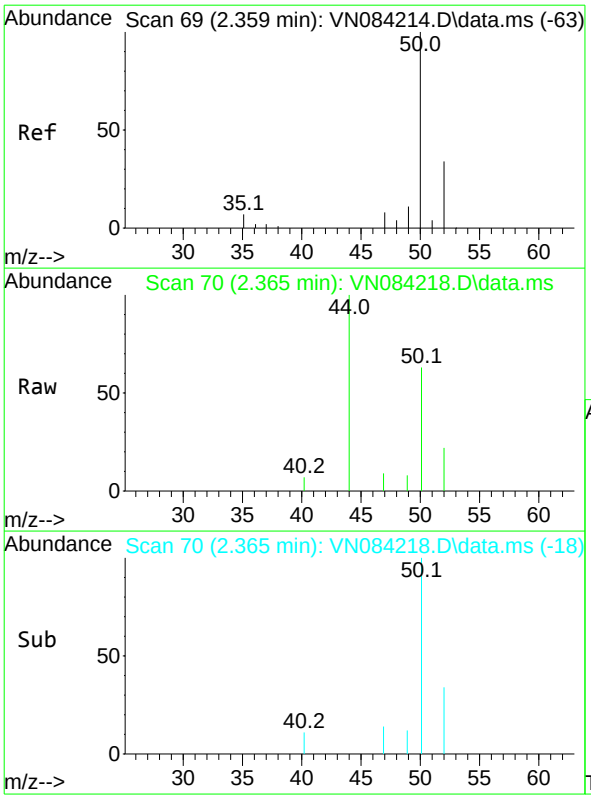


#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 85 Resp: 1928

Ion	Ratio	Lower	Upper
85	100		
87	25.3	17.6	52.9

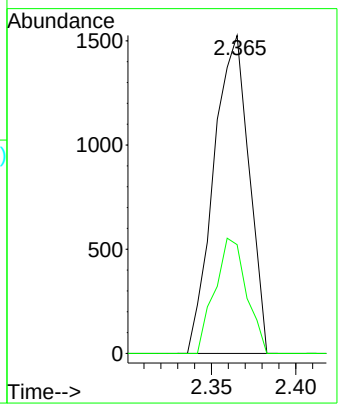




#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 50 Resp: 2217

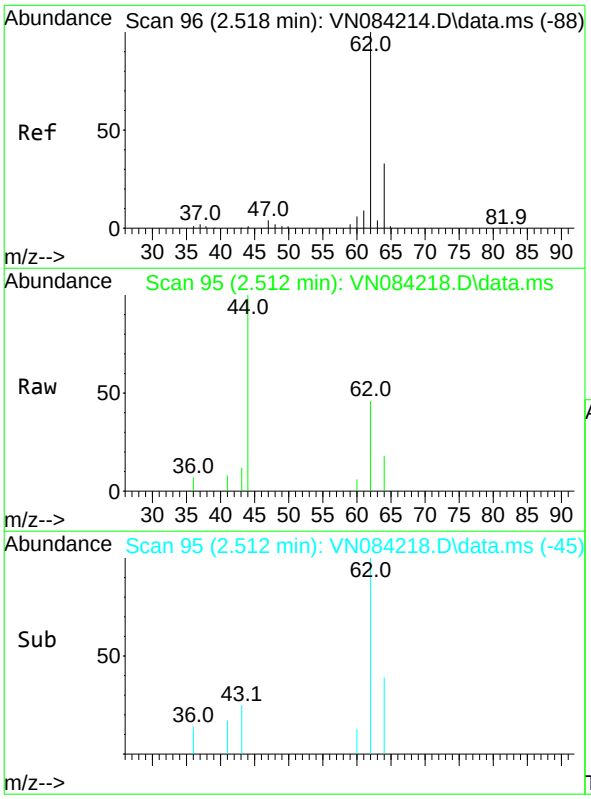
Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

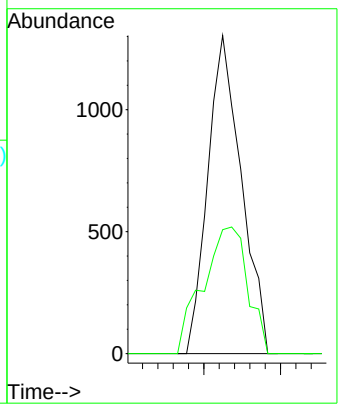
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

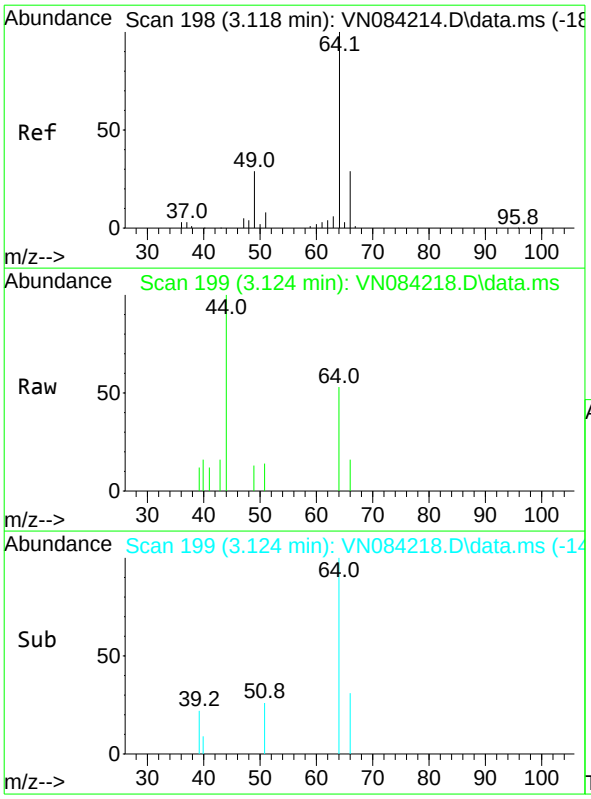


#4
Vinyl Chloride
Concen: 0.943 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
64	39.0	26.2	39.4

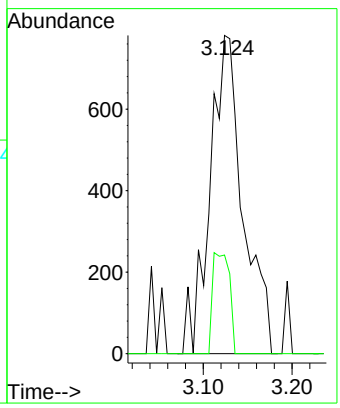




#6
Chloroethane
Concen: 1.349 ug/l
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 64 Resp: 2029

Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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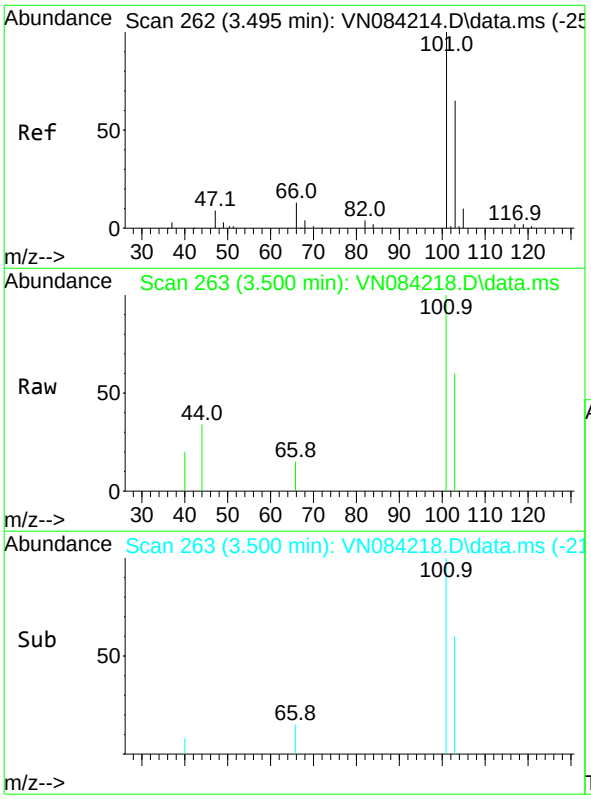
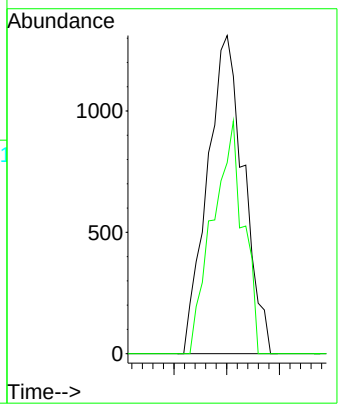
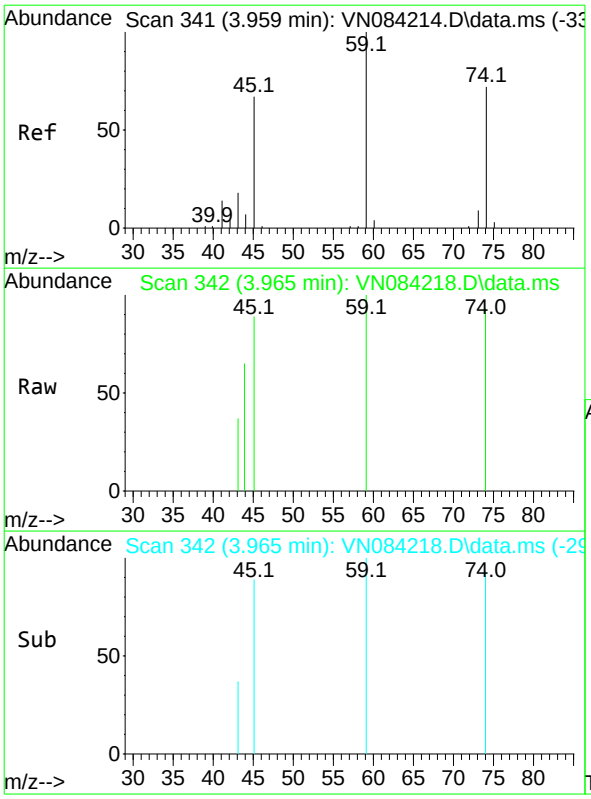


#7
Trichlorofluoromethane
Concen: 0.960 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:101 Resp: 3140

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.8	77.6

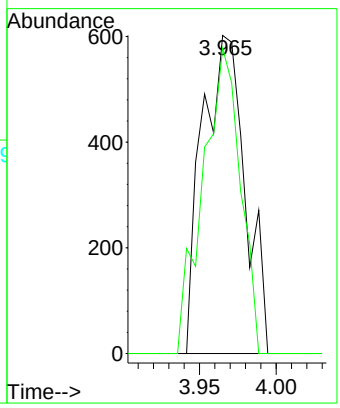




#8
Diethyl Ether
Concen: 0.962 ug/l
RT: 3.965 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 74 Resp: 1167

Ion	Ratio	Lower	Upper
74	100		
45	83.9	47.7	143.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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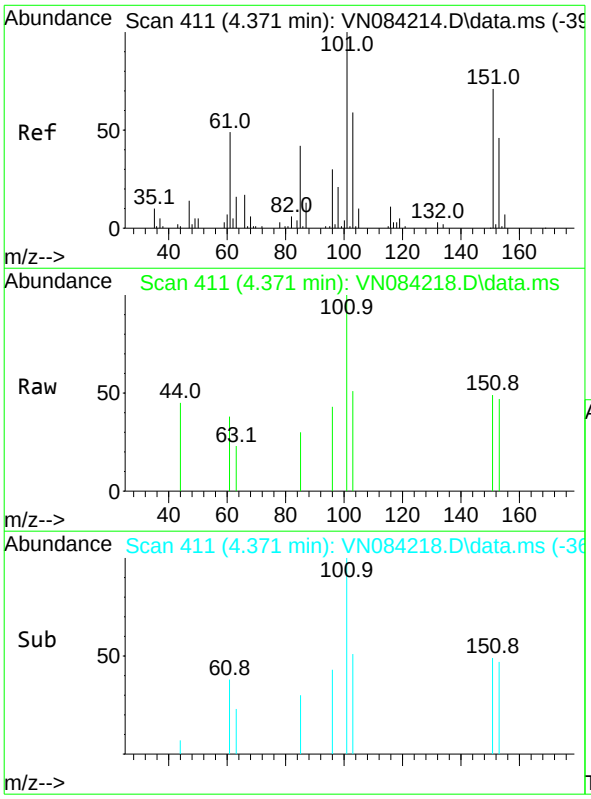
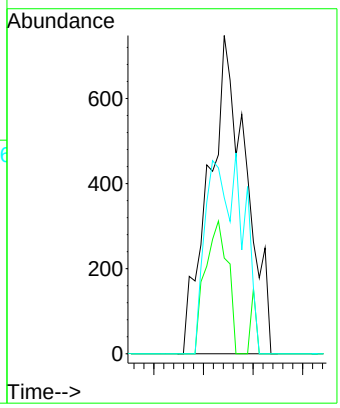
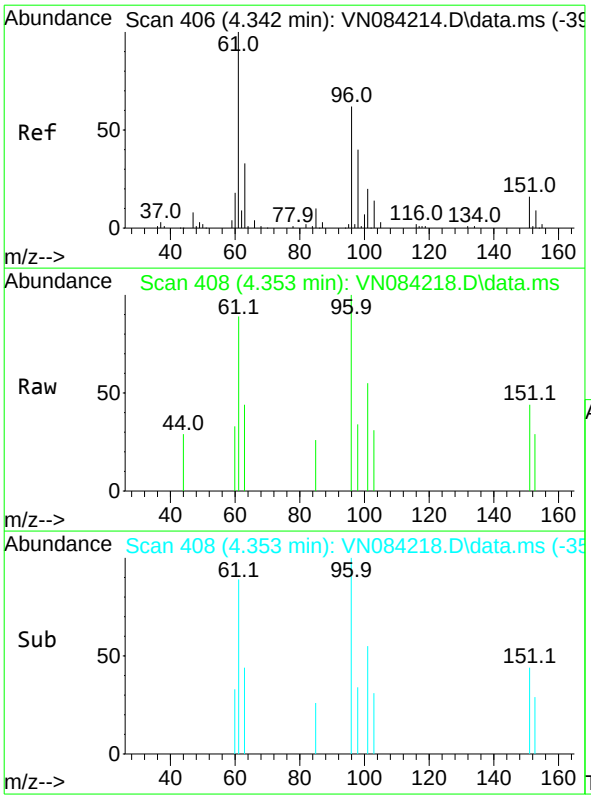


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:101 Resp: 1934

Ion	Ratio	Lower	Upper
101	100		
85	25.4	36.2	54.4#
151	38.8	59.3	88.9#

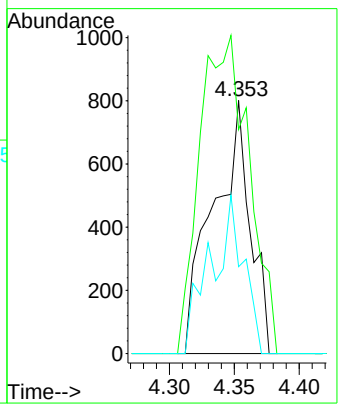




#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 4.353 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1584

Ion	Ratio	Lower	Upper
96	100		
61	88.5	128.6	192.8#
98	34.3	51.7	77.5#



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ClientSampleId :
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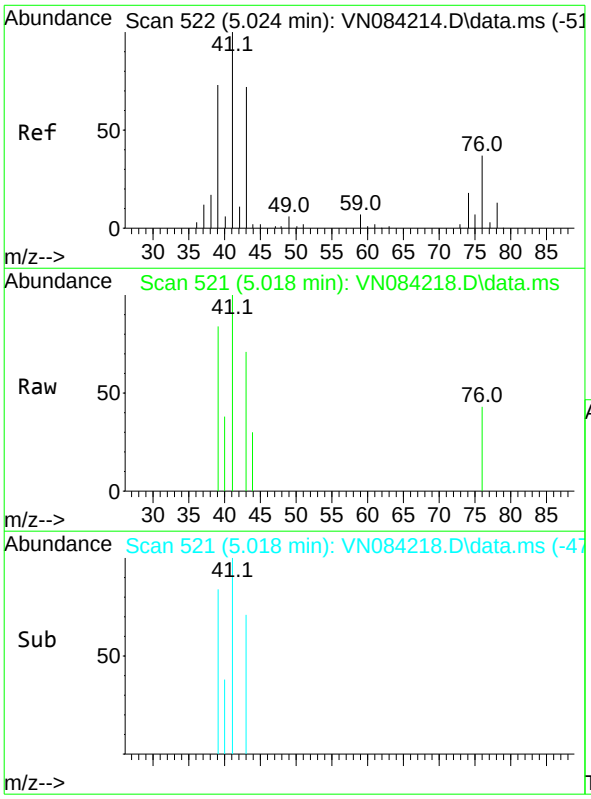
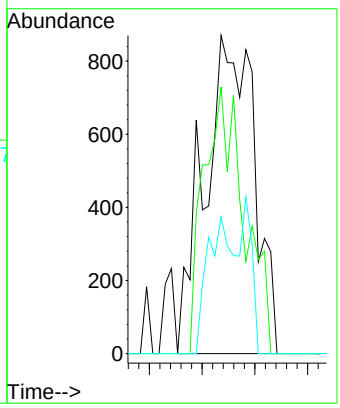
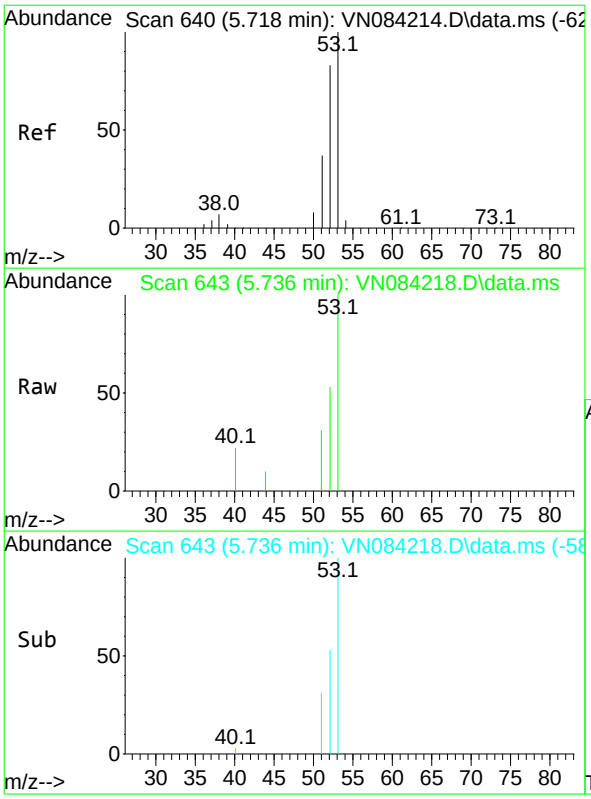


#14
Allyl chloride
Concen: 0.908 ug/l m
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 2852

Ion	Ratio	Lower	Upper
41	100		
39	68.0	59.0	88.6
76	24.5	29.8	44.6#

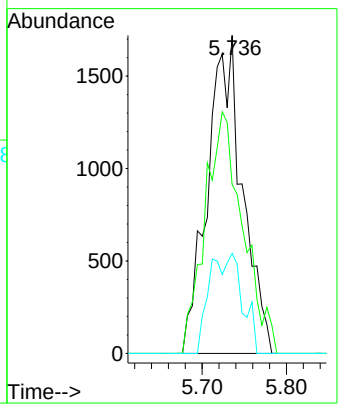




#15
Acrylonitrile
Concen: 4.963 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 53 Resp: 4920

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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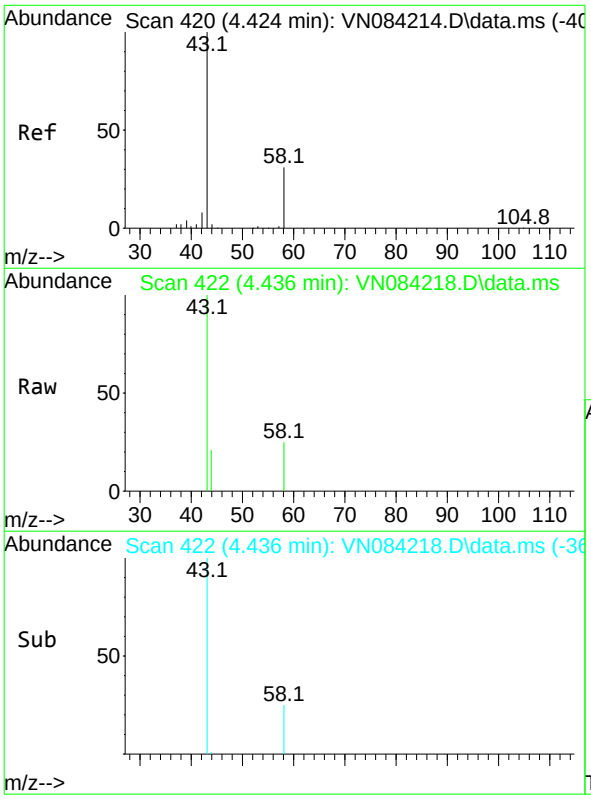
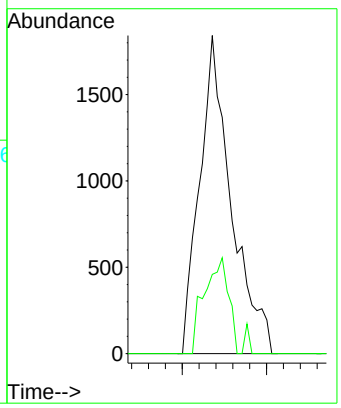
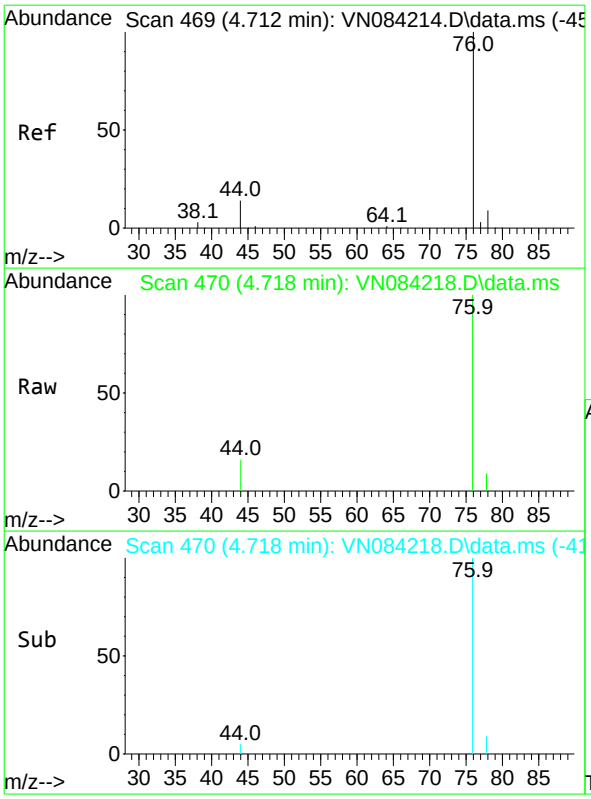


#16
Acetone
Concen: 4.692 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 4799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.4	36.6

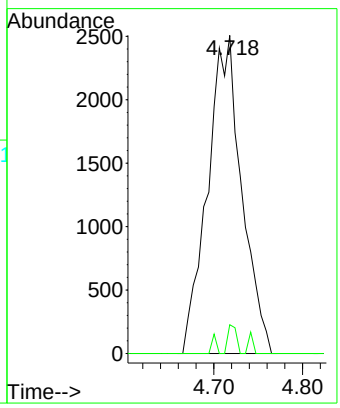




#17
Carbon Disulfide
Concen: 1.167 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 76 Resp: 6680

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
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ClientSampleId :
VSTDICC001

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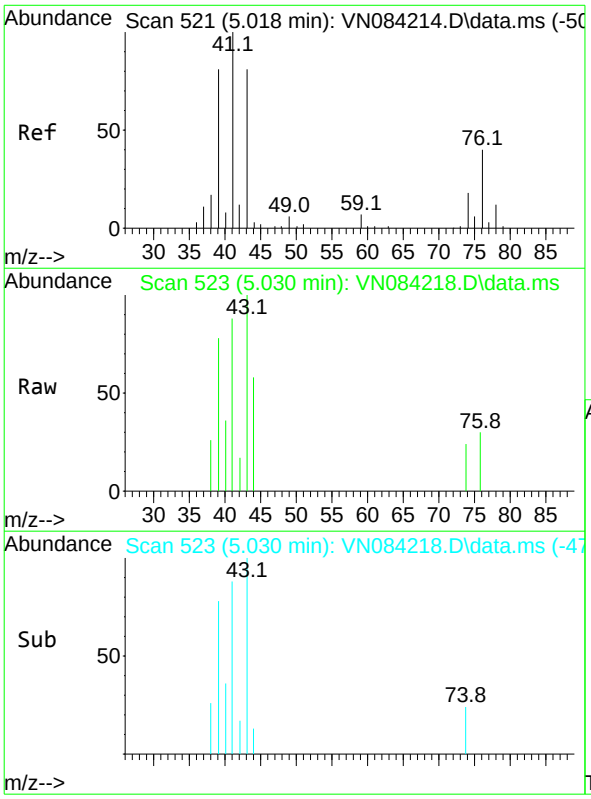
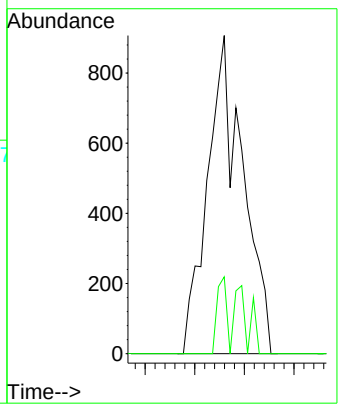
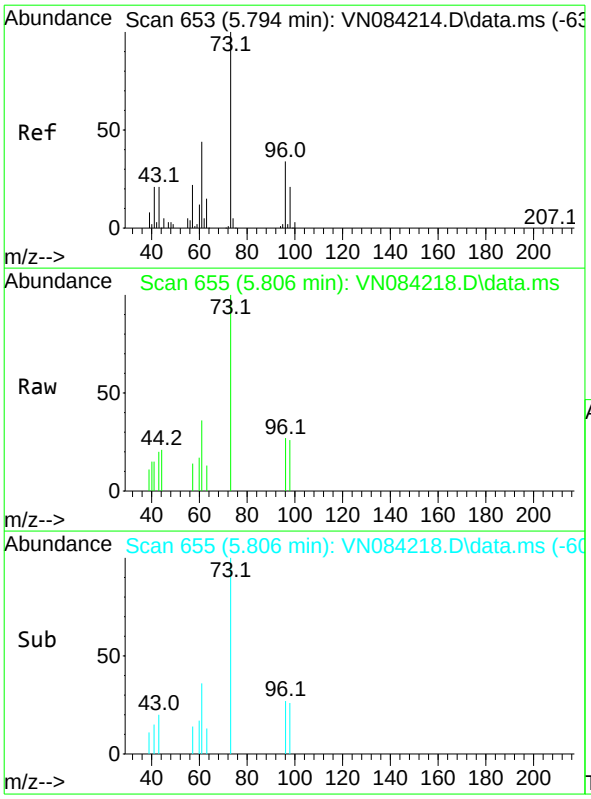


#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2249

Ion	Ratio	Lower	Upper
43	100		
74	6.4	19.2	28.8#

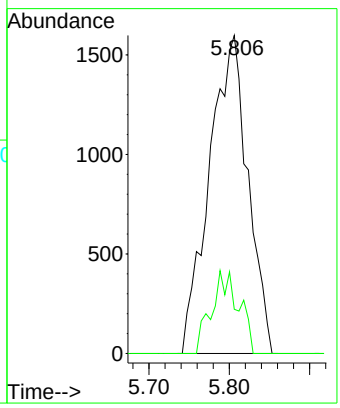




#19
Methyl tert-butyl Ether
Concen: 0.872 ug/l
RT: 5.806 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 73 Resp: 5319

Ion	Ratio	Lower	Upper
73	100		
57	13.9	17.7	26.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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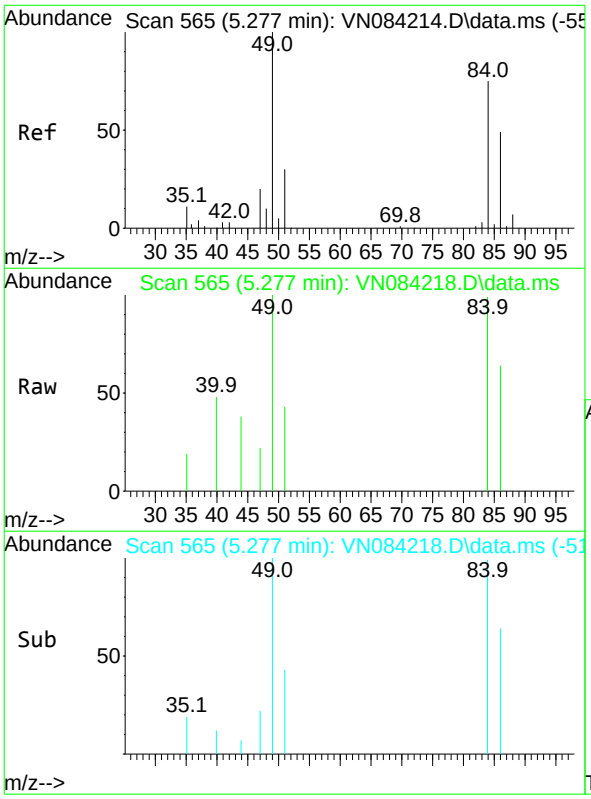
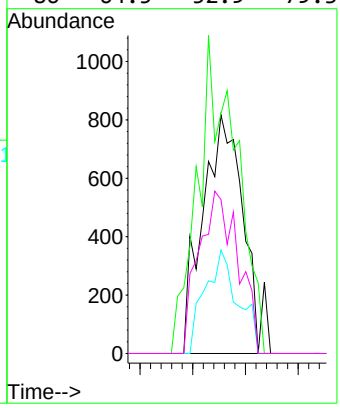
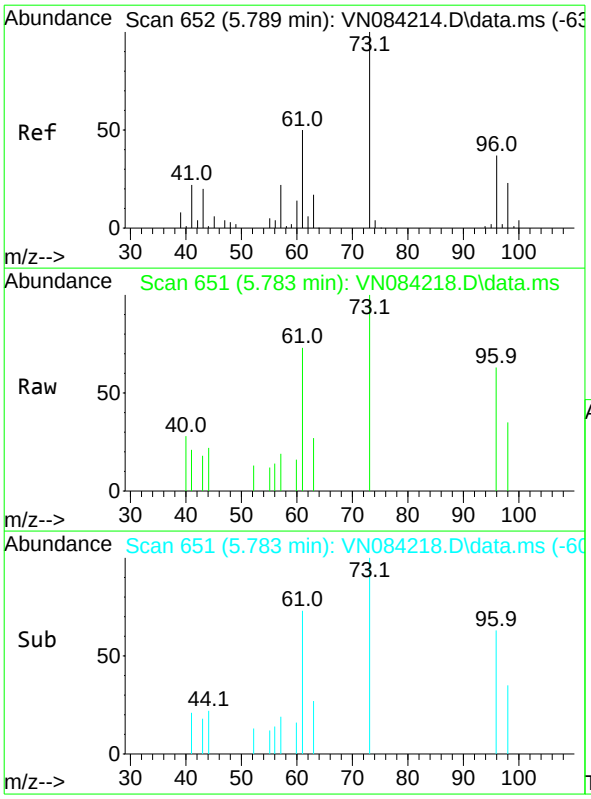


#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 84 Resp: 2203

Ion	Ratio	Lower	Upper
84	100		
49	100.6	107.2	160.8#
51	43.3	31.8	47.8
86	64.5	52.9	79.3

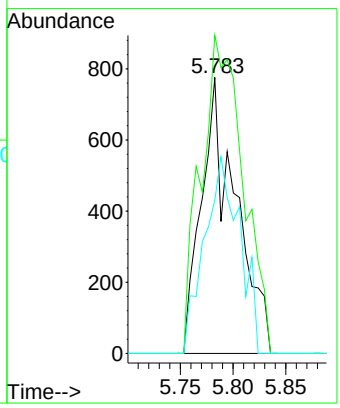




#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1753

Ion	Ratio	Lower	Upper
96	100		
61	115.2	108.4	162.6
98	55.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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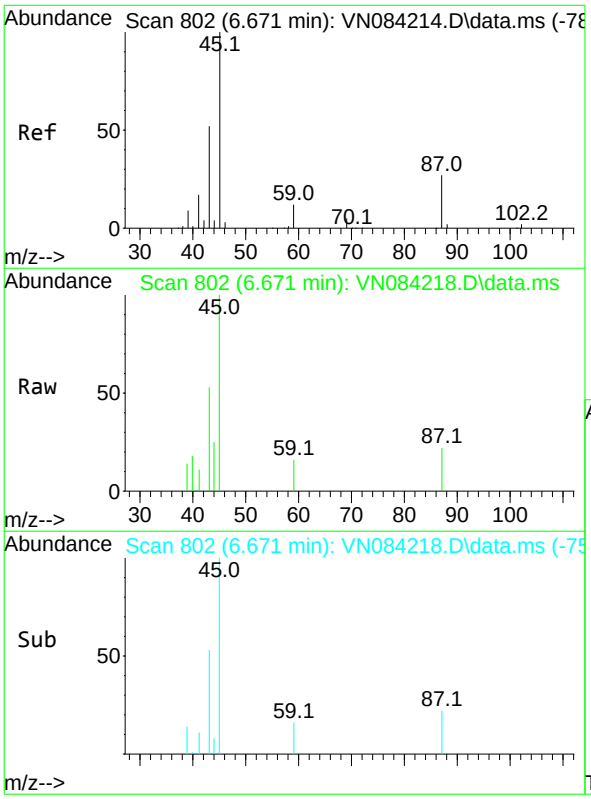
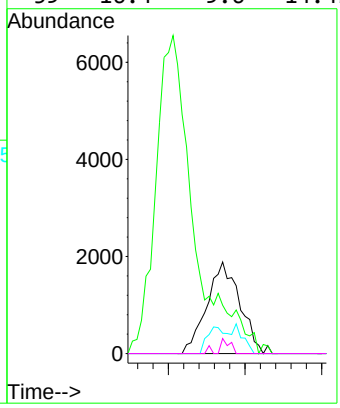
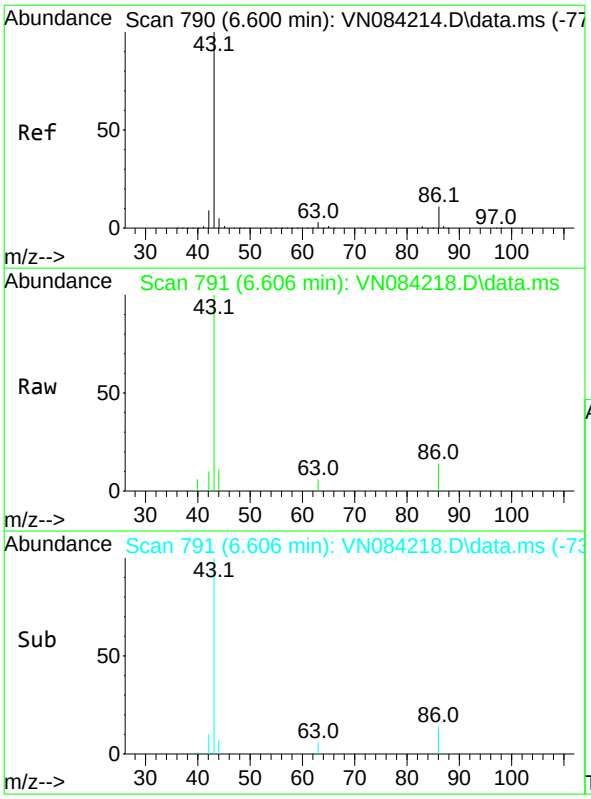


#22
Diisopropyl ether
Concen: 0.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 45 Resp: 5639

Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.3	63.5
87	22.2	21.8	32.6
59	16.4	9.6	14.4#

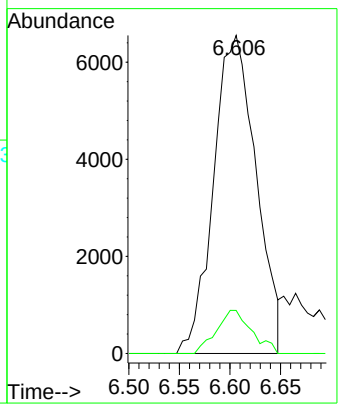




#23
Vinyl Acetate
Concen: 3.967 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 19212

Ion	Ratio	Lower	Upper
43	100		
86	13.5	8.6	12.8#



Instrument :
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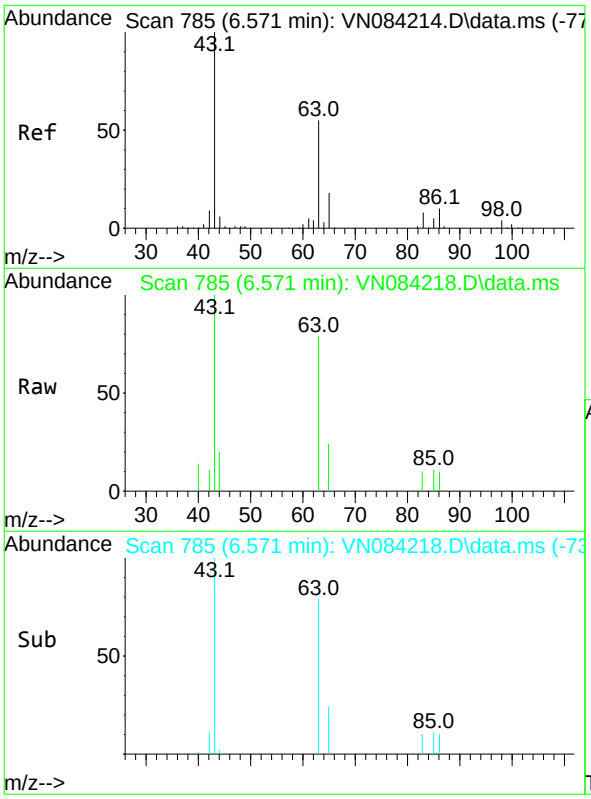
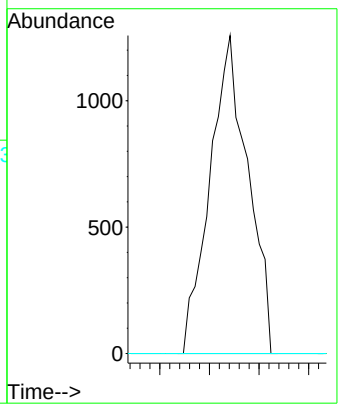
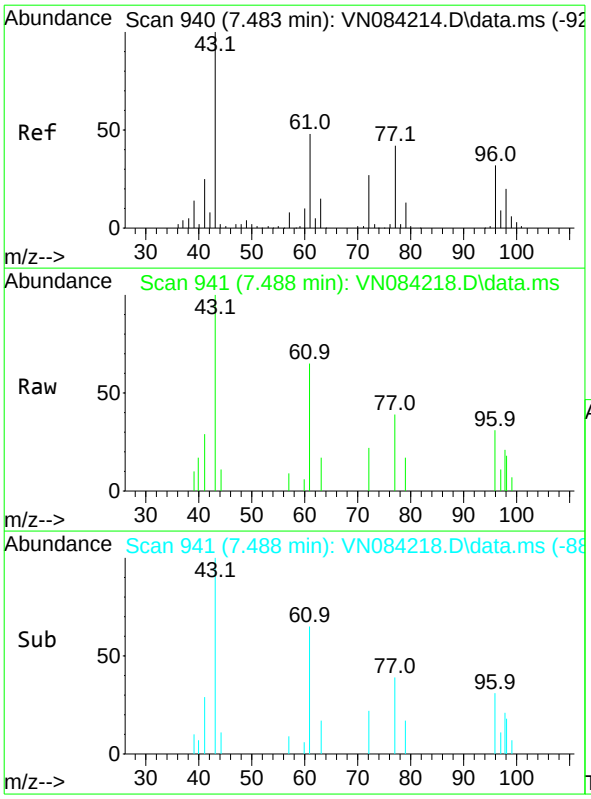


#24
1,1-Dichloroethane
Concen: 0.925 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 3358

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#

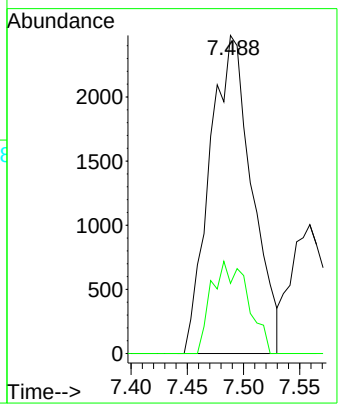




#25
2-Butanone
Concen: 4.658 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 6488

Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.4	32.2



Instrument :
MSVOA_N
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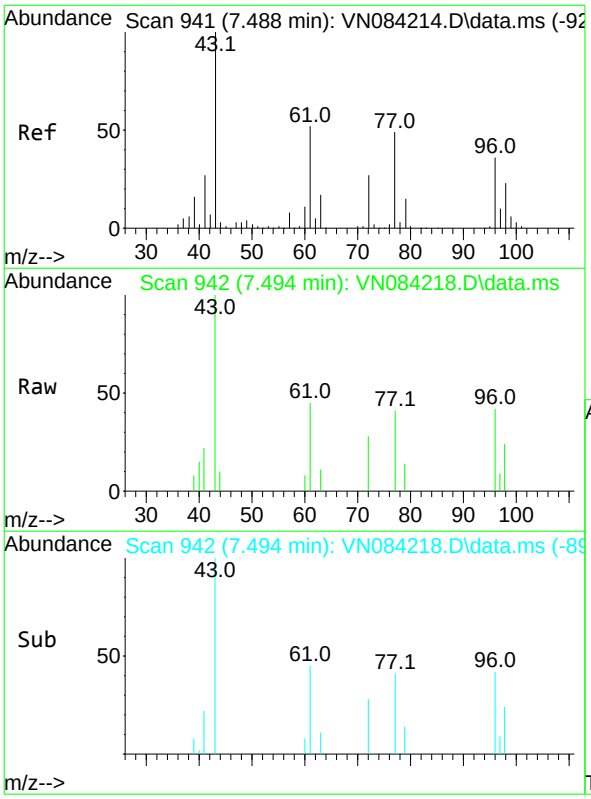
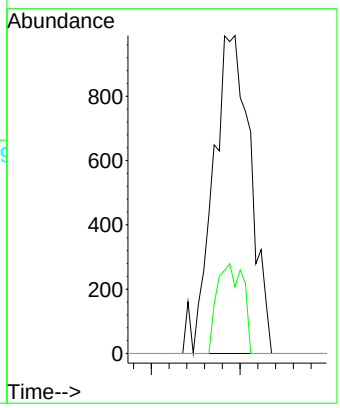
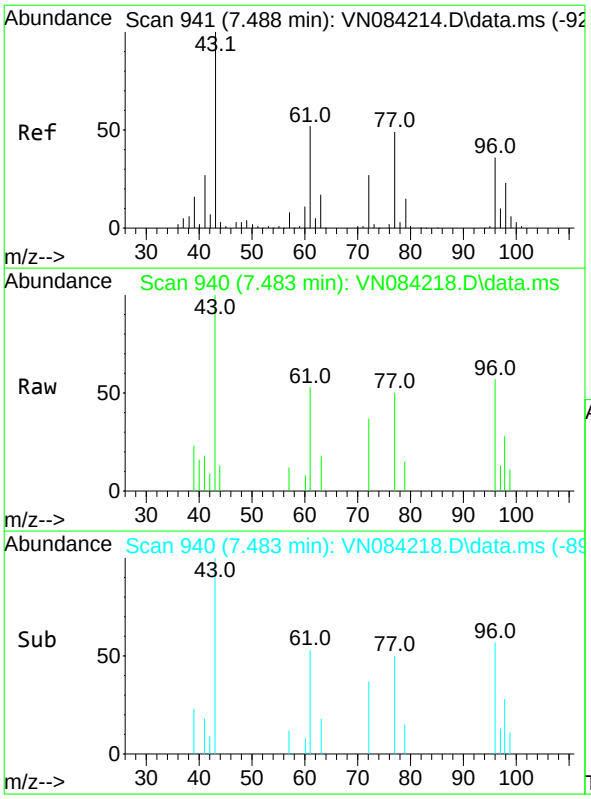


#26
2,2-Dichloropropane
Concen: 0.886 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 77 Resp: 2902

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.8	32.3

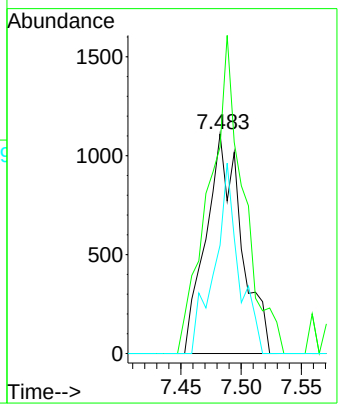




#27
cis-1,2-Dichloroethene
Concen: 0.987 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 2259

Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	301.8
98	59.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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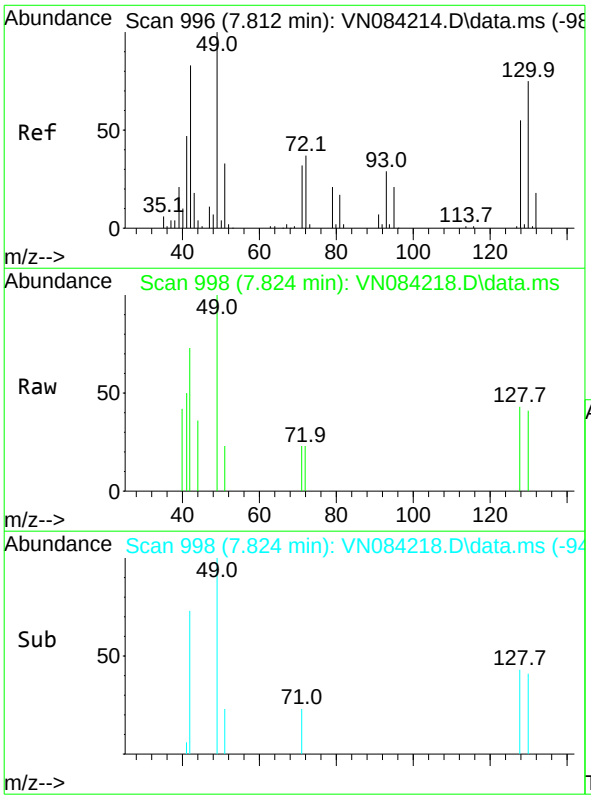
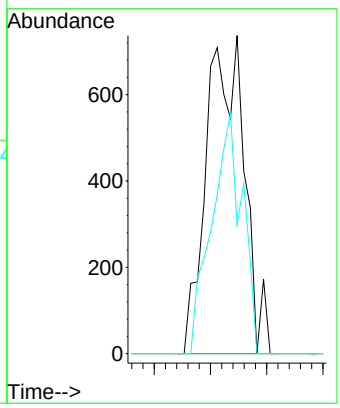
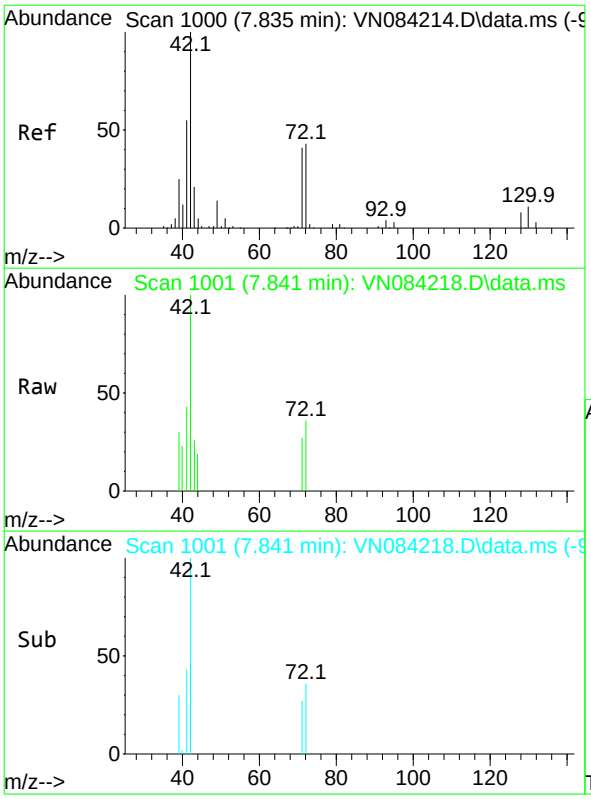


#28
Bromochloromethane
Concen: 1.060 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 49 Resp: 1718

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	61.3	58.0	87.0

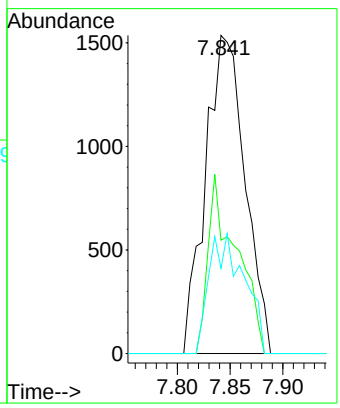




#29
Tetrahydrofuran
Concen: 4.660 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 42 Resp: 4006

Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.6	51.8
71	33.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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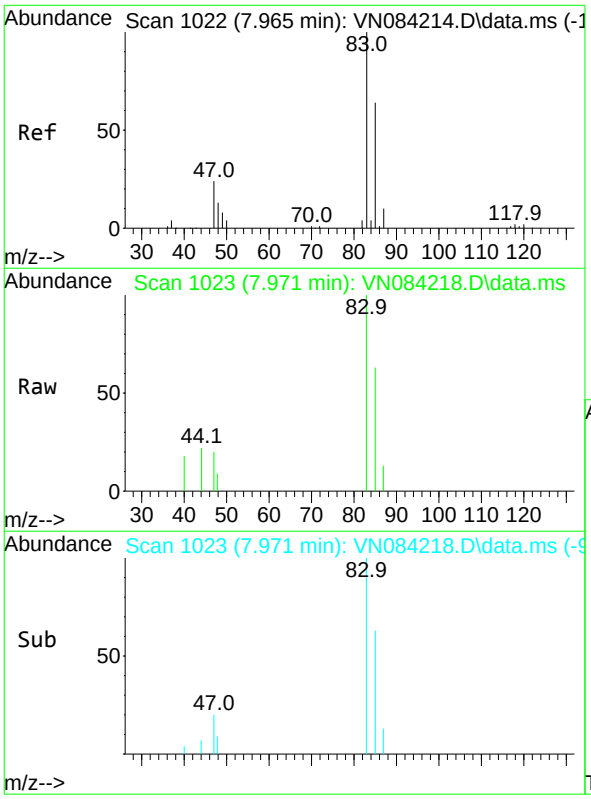
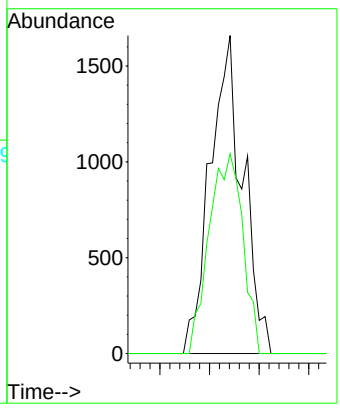
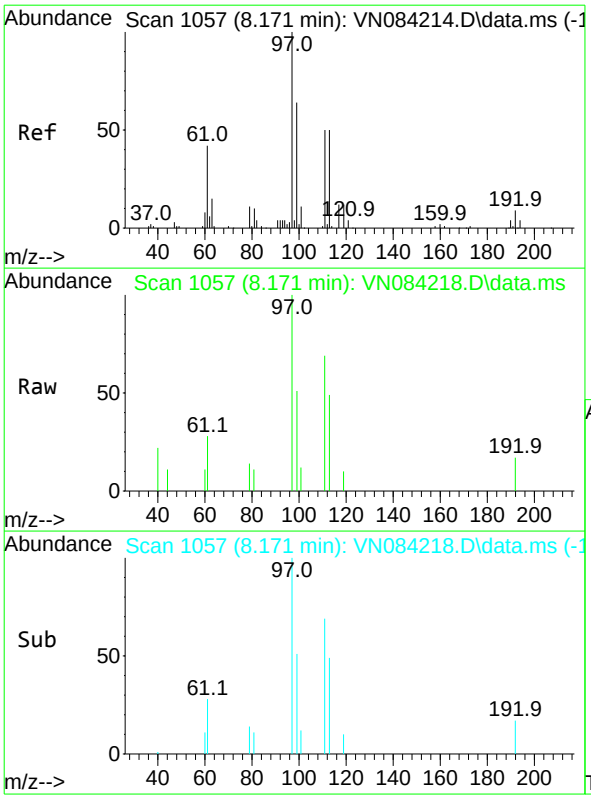


#30
Chloroform
Concen: 1.005 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 3793

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4

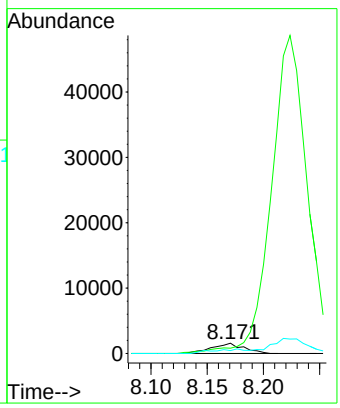




#32
1,1,1-Trichloroethane
Concen: 0.921 ug/l
RT: 8.171 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 97 Resp: 3120

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	46.5	37.5	56.3



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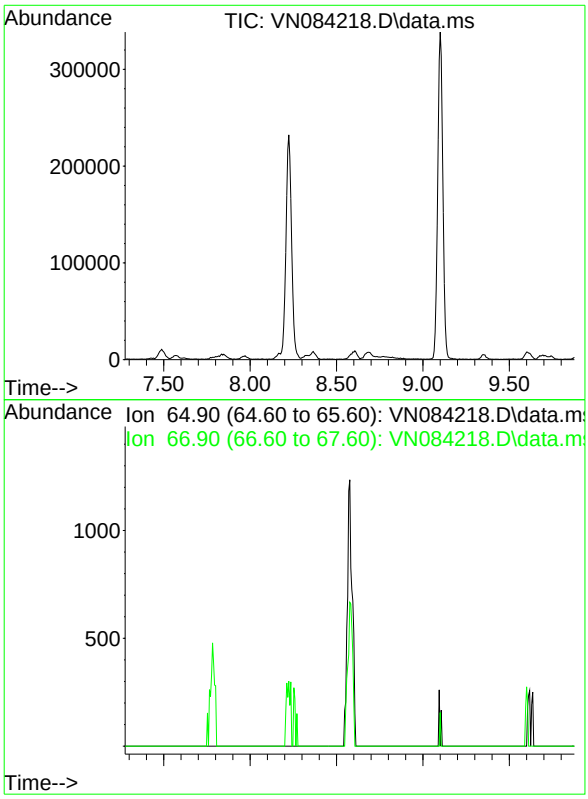
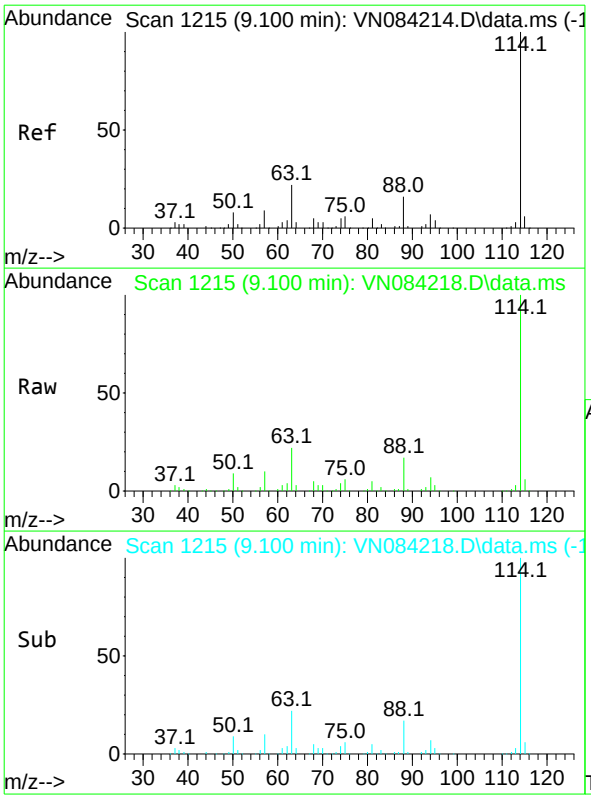


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 65

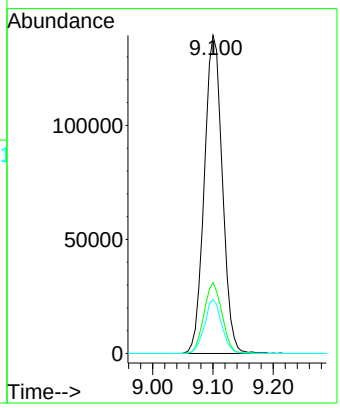
Sig	Exp Ratio
65	100
67	51.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:114 Resp: 290146

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.9	0.0	31.6



Instrument :
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ClientSampleId :
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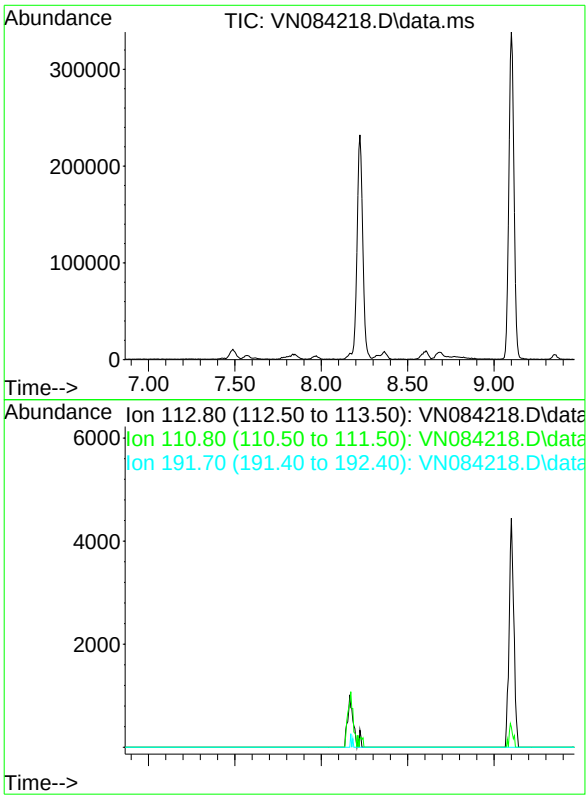
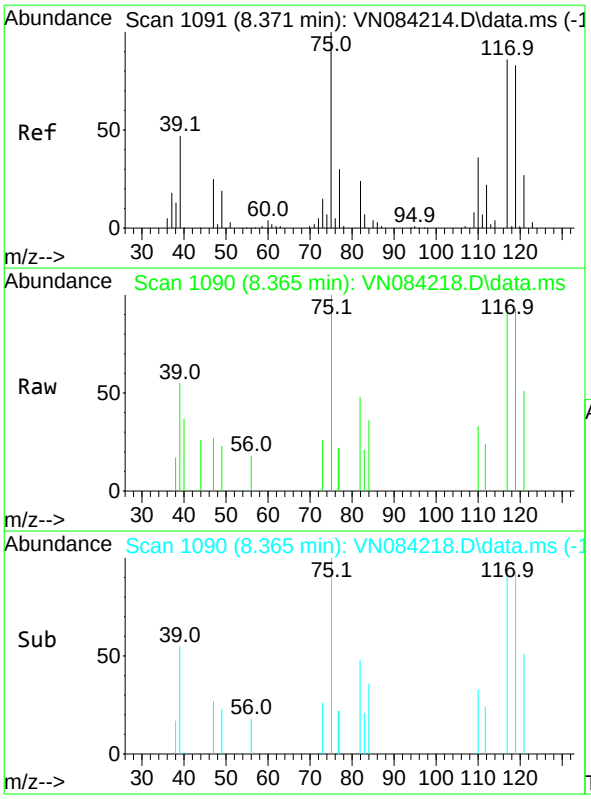


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 113

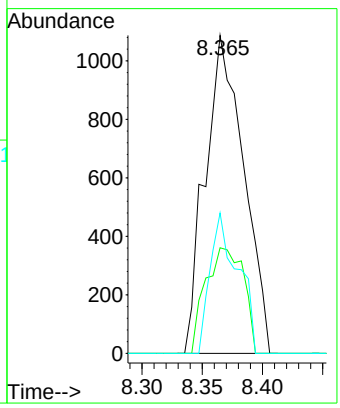
Sig	Exp Ratio
113	100
111	104.1
192	16.9



#36
1,1-Dichloropropene
Concen: 0.871 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2420

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.7
77	31.9	24.7	37.1



Instrument :
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ClientSampleId :
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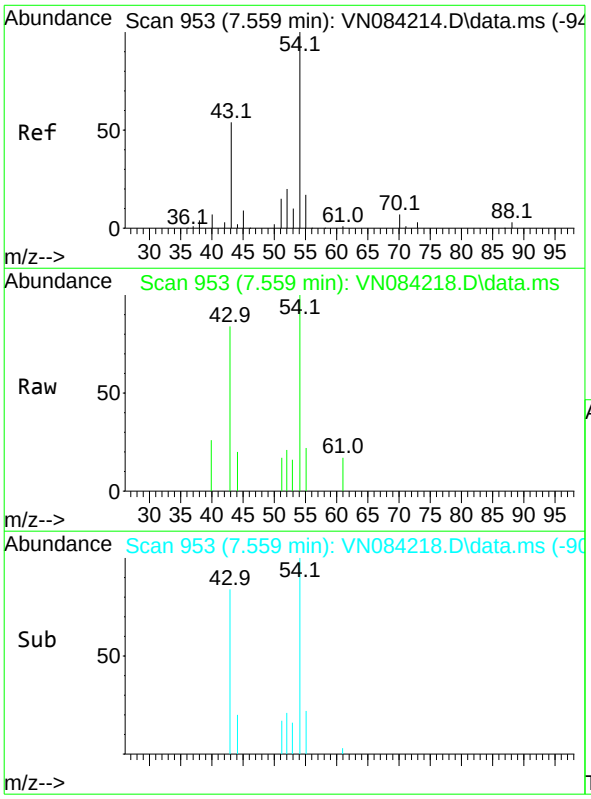
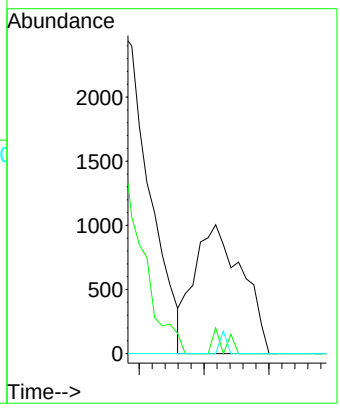
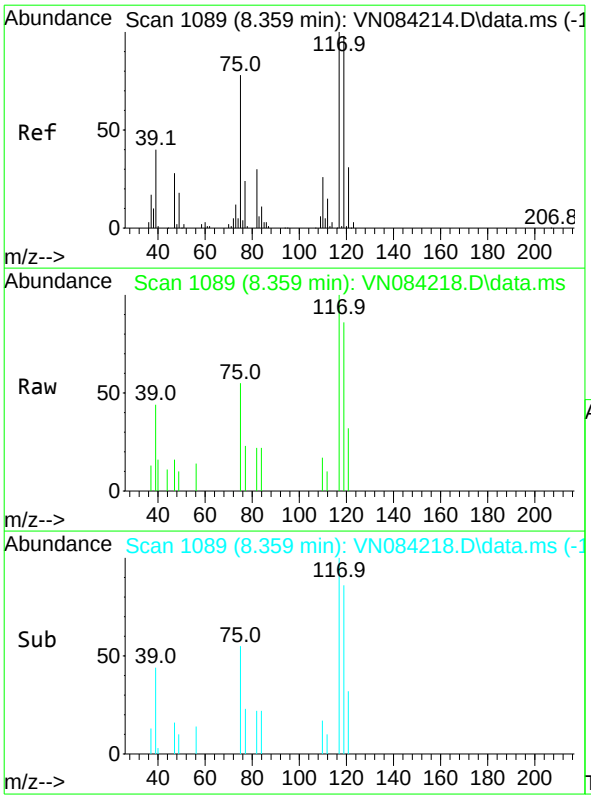


#37
Ethyl Acetate
Concen: 0.911 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2596

Ion	Ratio	Lower	Upper
43	100		
61	4.8	10.7	16.1#
70	2.4	8.8	13.2#

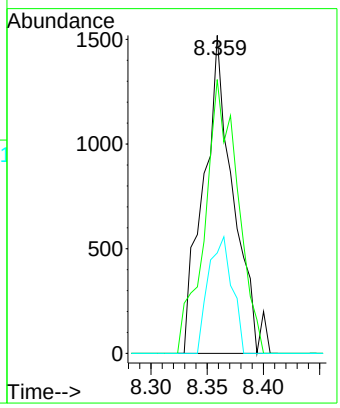




#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 2795

Ion	Ratio	Lower	Upper
117	100		
119	86.1	78.7	118.1
121	31.6	24.4	36.6



Instrument :
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ClientSampleId :
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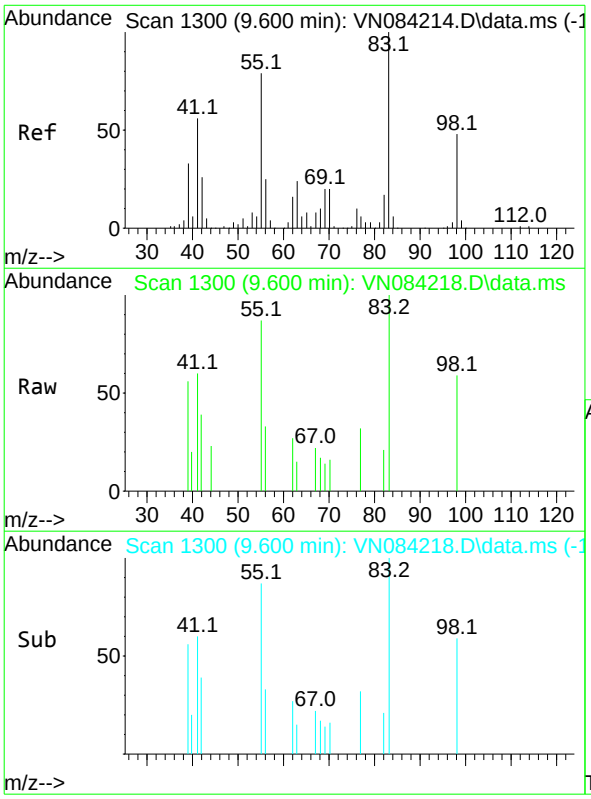
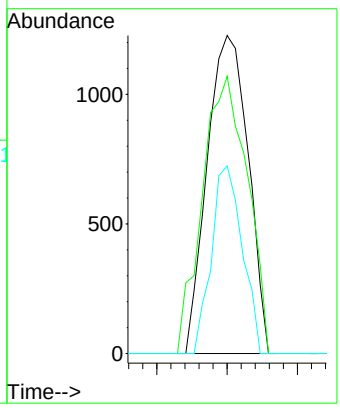
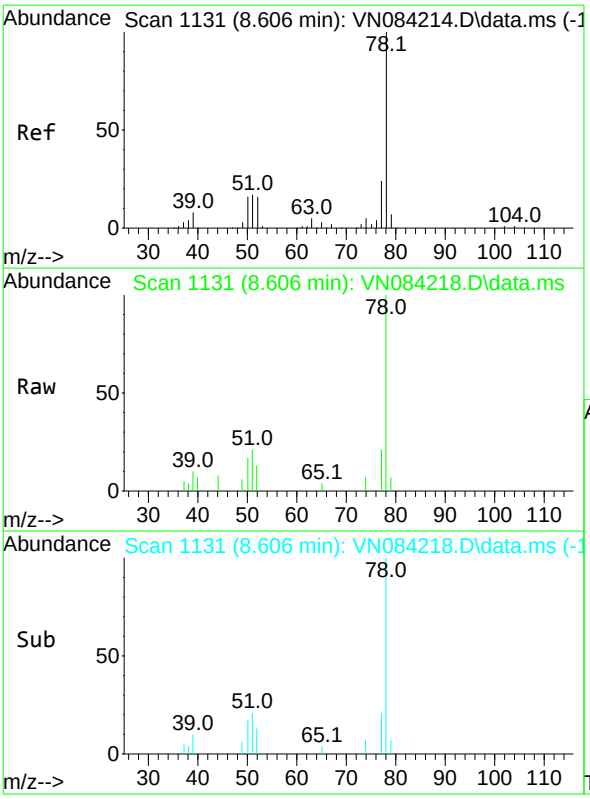


#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 2486

Ion	Ratio	Lower	Upper
83	100		
55	87.2	62.8	94.2
98	59.0	38.8	58.2#

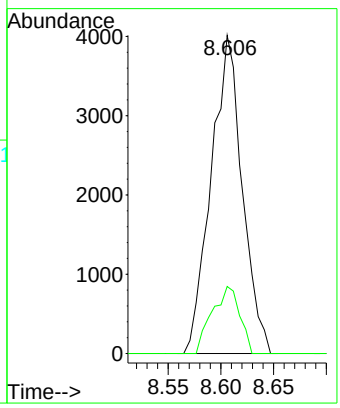




#40
Benzene
Concen: 0.952 ug/l
RT: 8.606 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 78 Resp: 8245

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



Instrument :
MSVOA_N
ClientSampleId :
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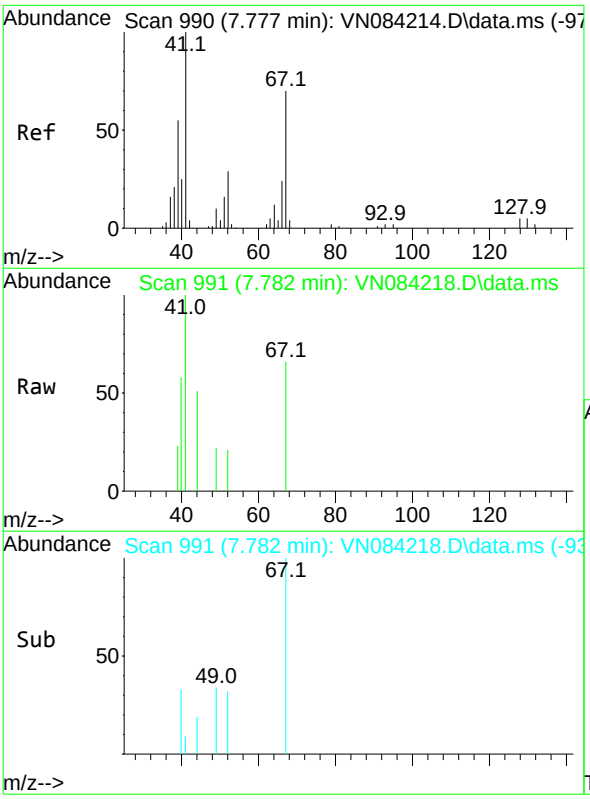
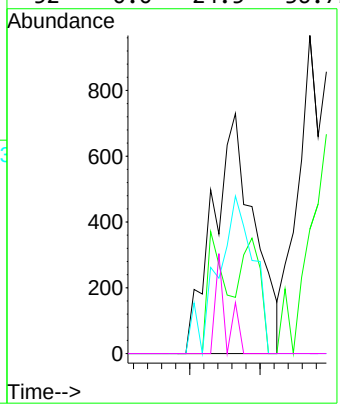
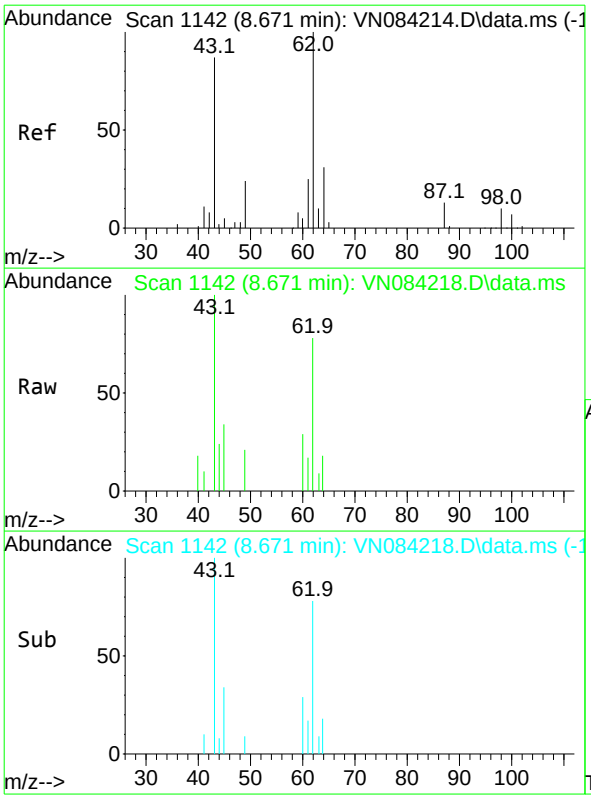


#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 1490

Ion	Ratio	Lower	Upper
41	100		
39	21.5	43.3	64.9#
67	56.9	56.1	84.1
52	0.0	24.5	36.7#

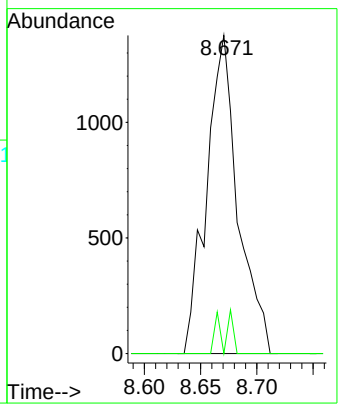




#42
1,2-Dichloroethane
Concen: 0.909 ug/l
RT: 8.671 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 2669

Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	18.2



Instrument :
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ClientSampleId :
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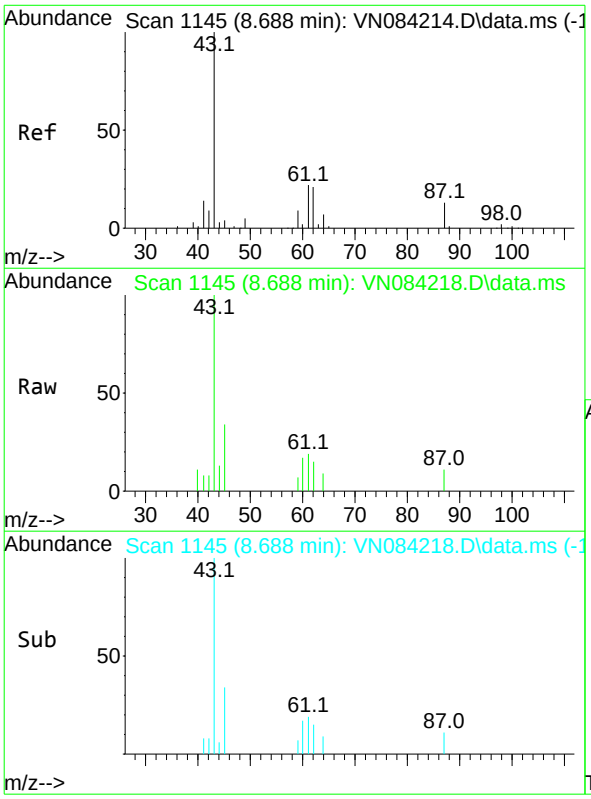
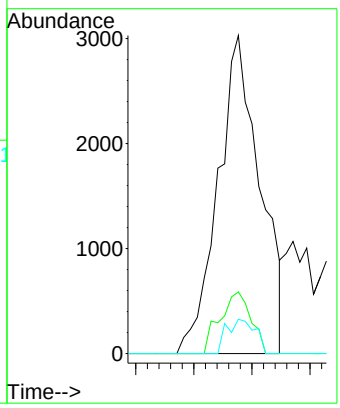
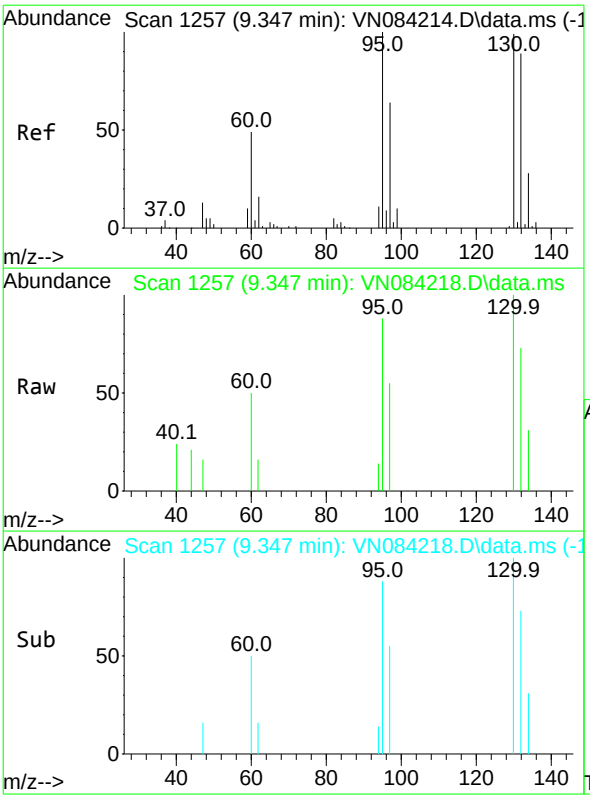


#43
Isopropyl Acetate
Concen: 1.364 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 7614

Ion	Ratio	Lower	Upper
43	100		
61	14.3	20.4	30.6#
87	7.3	10.3	15.5#

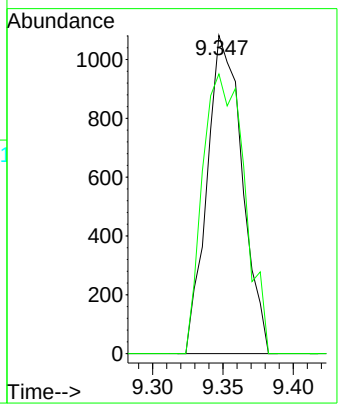




#44
Trichloroethene
Concen: 0.932 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:130 Resp: 1885

Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	203.0



Instrument :
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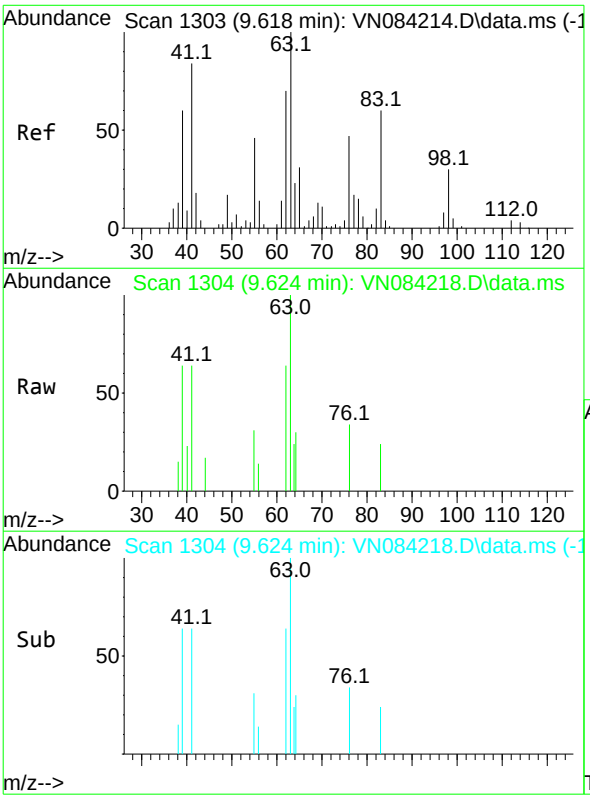
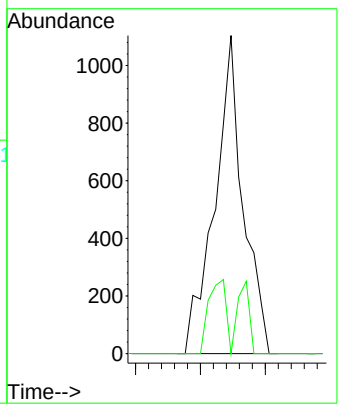
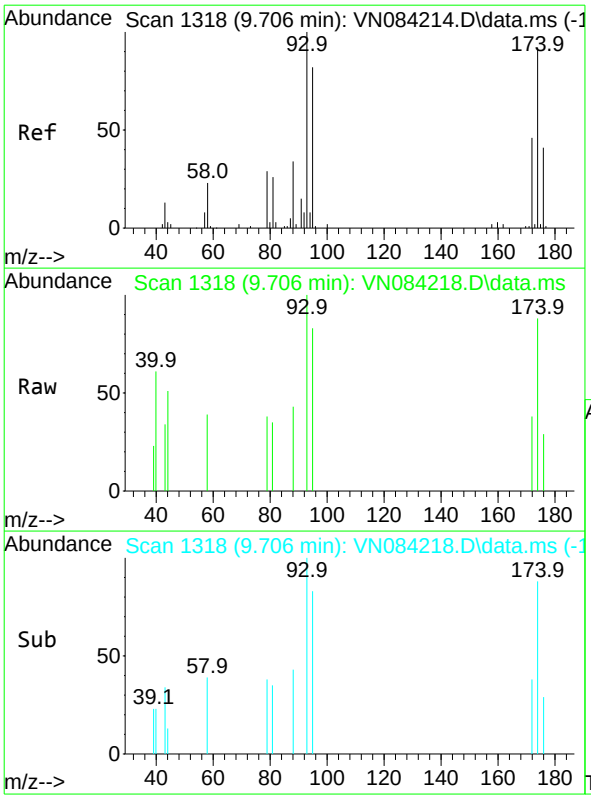


#45
1,2-Dichloropropane
Concen: 0.818 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 1676

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#

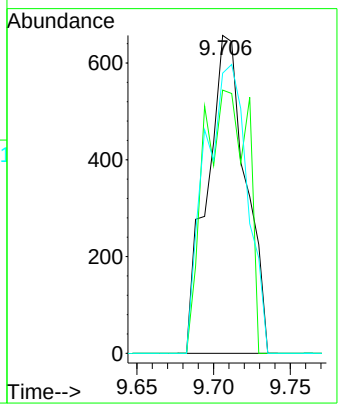




#46
Dibromomethane
Concen: 0.828 ug/l
RT: 9.706 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 93 Resp: 1144

Ion	Ratio	Lower	Upper
93	100		
95	95.1	65.0	97.4
174	100.3	71.8	107.8



Instrument :
MSVOA_N
ClientSampleId :
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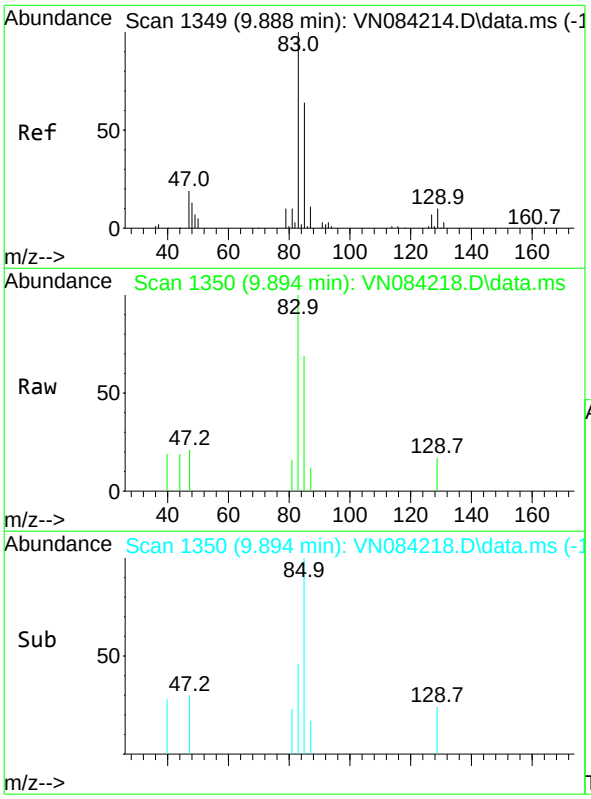
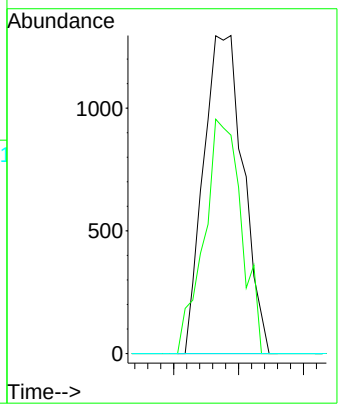
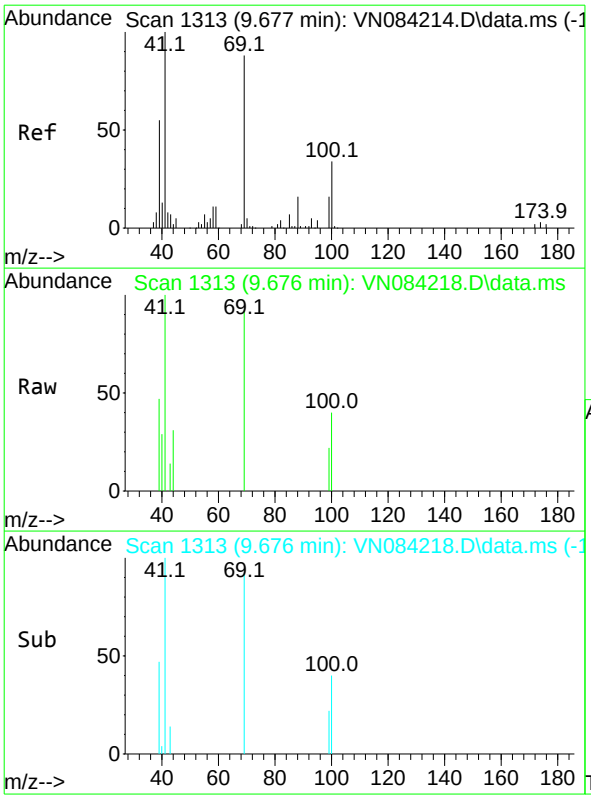


#47
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 2754

Ion	Ratio	Lower	Upper
83	100		
85	68.7	51.5	77.3
127	0.0	5.7	8.5#

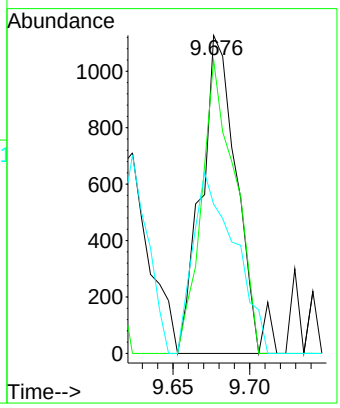




#48
Methyl methacrylate
Concen: 0.821 ug/l
RT: 9.676 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 1824

Ion	Ratio	Lower	Upper
41	100		
69	86.5	67.1	100.7
39	66.4	45.8	68.6



Instrument :
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ClientSampleId :
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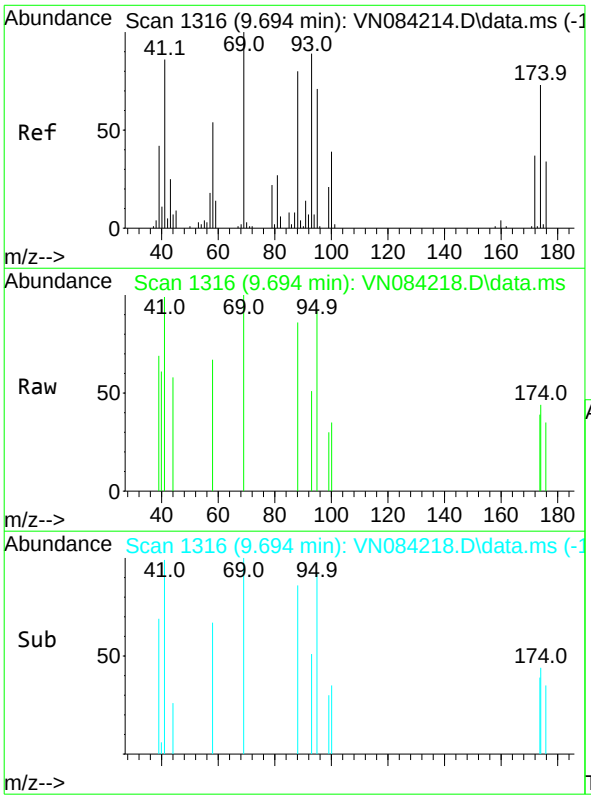
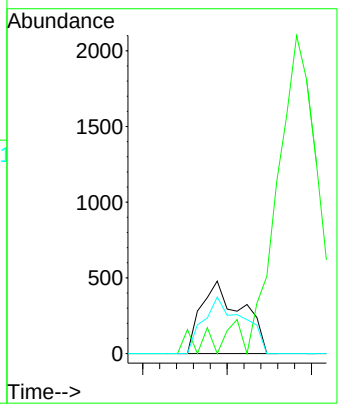
Supervised By :Mahesh Dadoda 10/01/2024

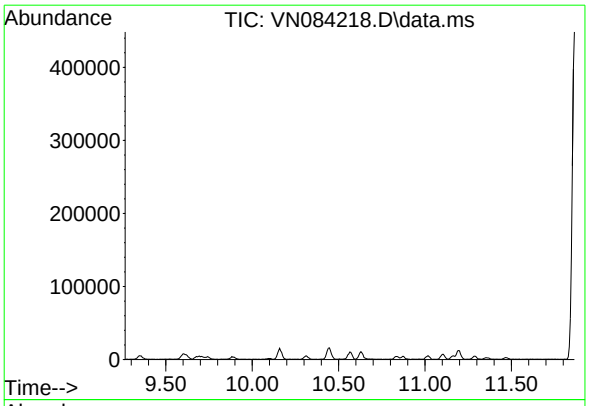


#49
1,4-Dioxane
Concen: 19.552 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 88 Resp: 800

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	75.9	56.4	84.6





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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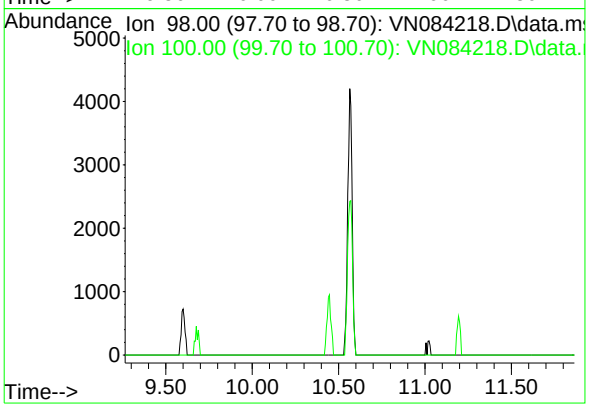
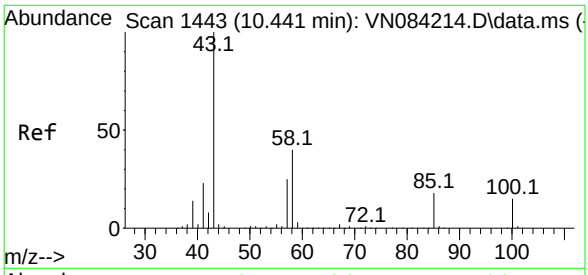
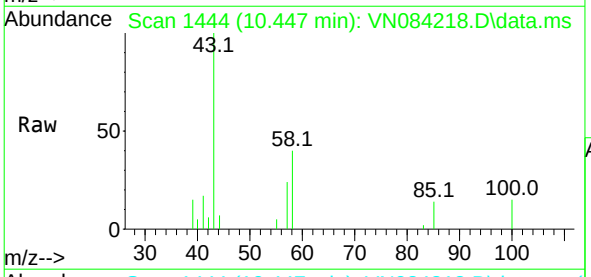


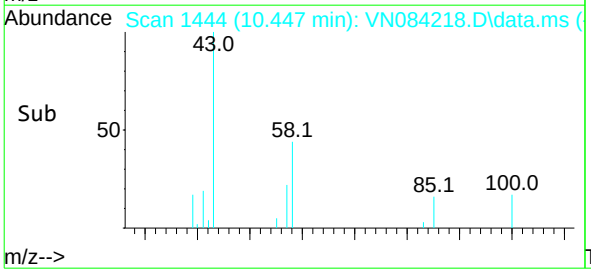


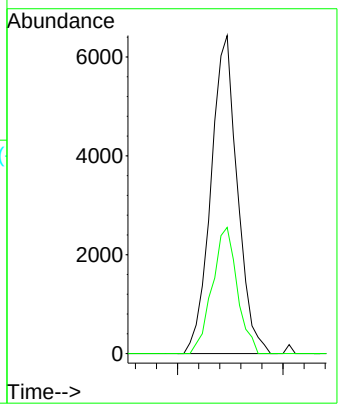
#51
4-Methyl-2-Pentanone
Concen: 4.134 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

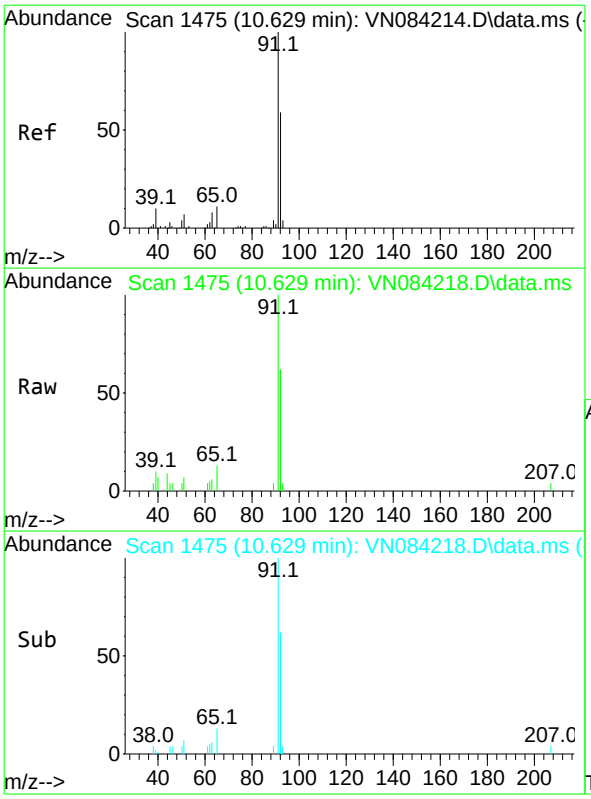
Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4





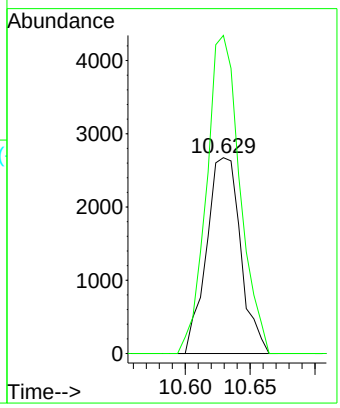




#52
Toluene
Concen: 0.923 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 92 Resp: 4875

Ion	Ratio	Lower	Upper
92	100		
91	159.8	137.3	205.9



Instrument :
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ClientSampleId :
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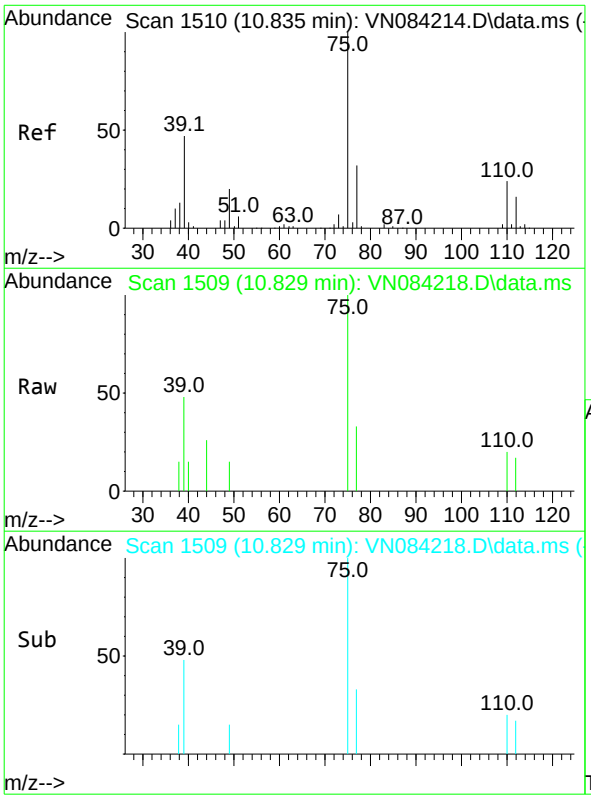
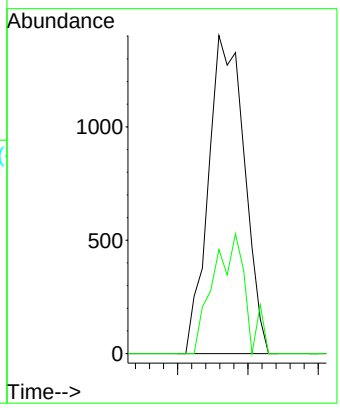
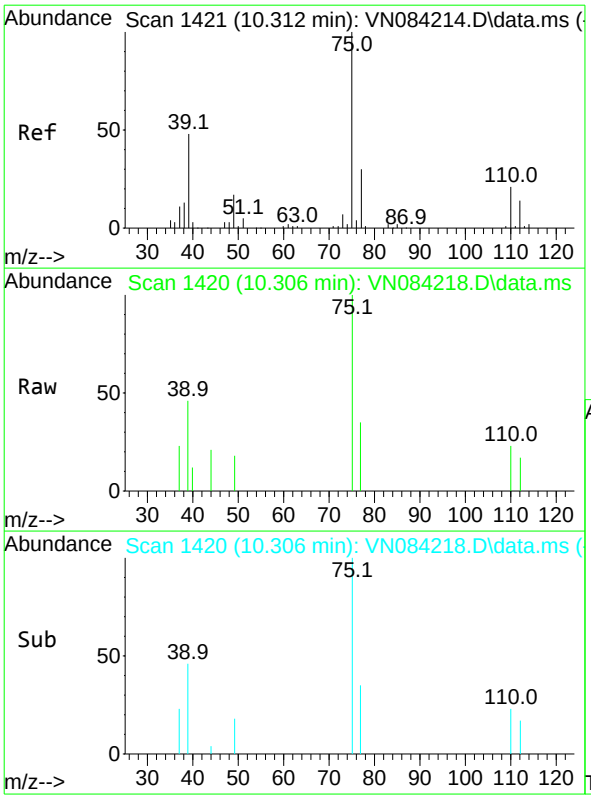


#53
t-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

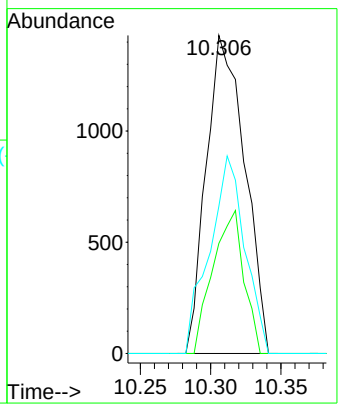




#54
cis-1,3-Dichloropropene
Concen: 0.808 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2720

Ion	Ratio	Lower	Upper
75	100		
77	34.6	24.2	36.2
39	46.3	38.7	58.1



Instrument :
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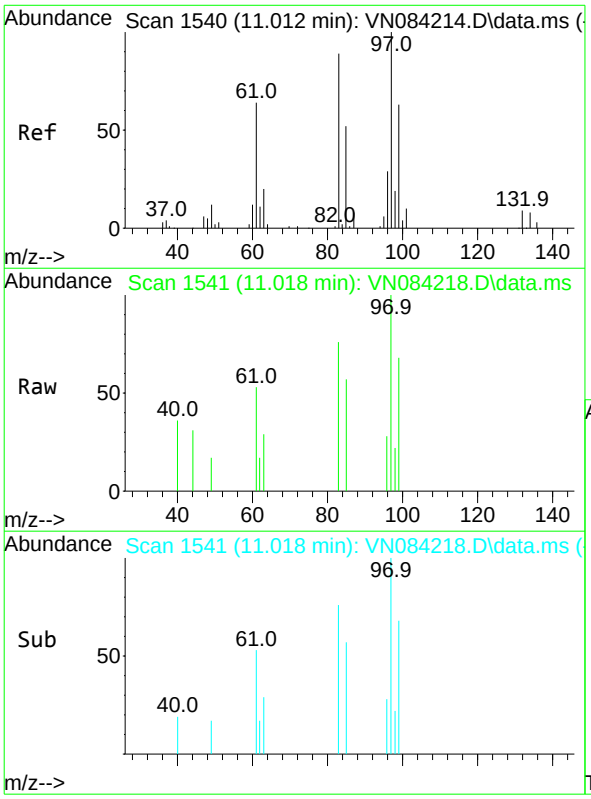
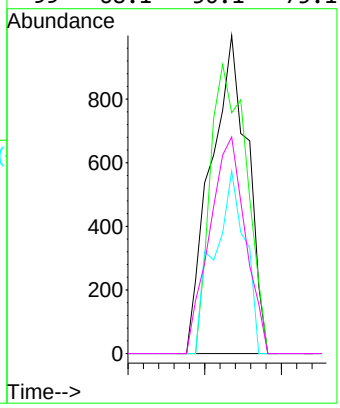
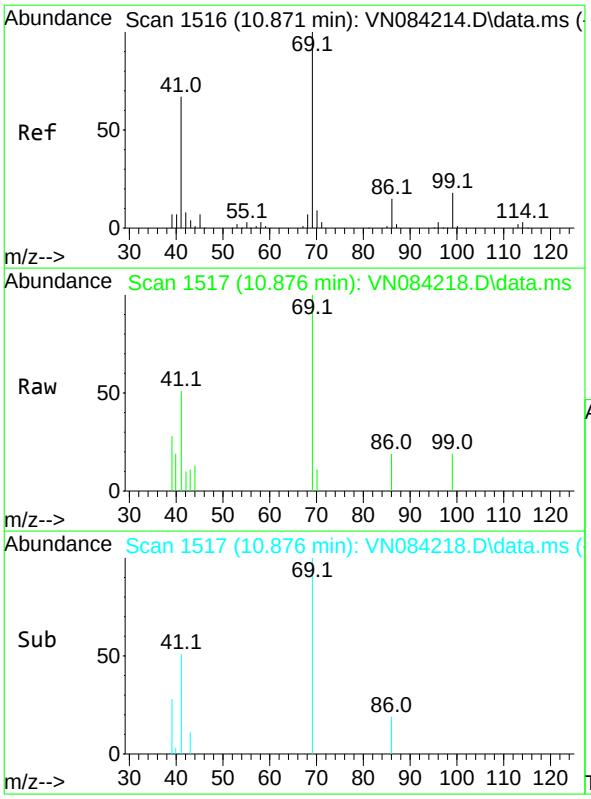


#55
1,1,2-Trichloroethane
Concen: 0.882 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 97 Resp: 1669

Ion	Ratio	Lower	Upper
97	100		
83	75.7	71.0	106.4
85	57.4	41.7	62.5
99	68.1	50.1	75.1

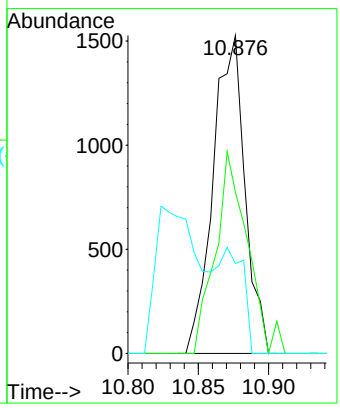




#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 69 Resp: 2402

Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	0.0	28.8	43.2#



Instrument :
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ClientSampleId :
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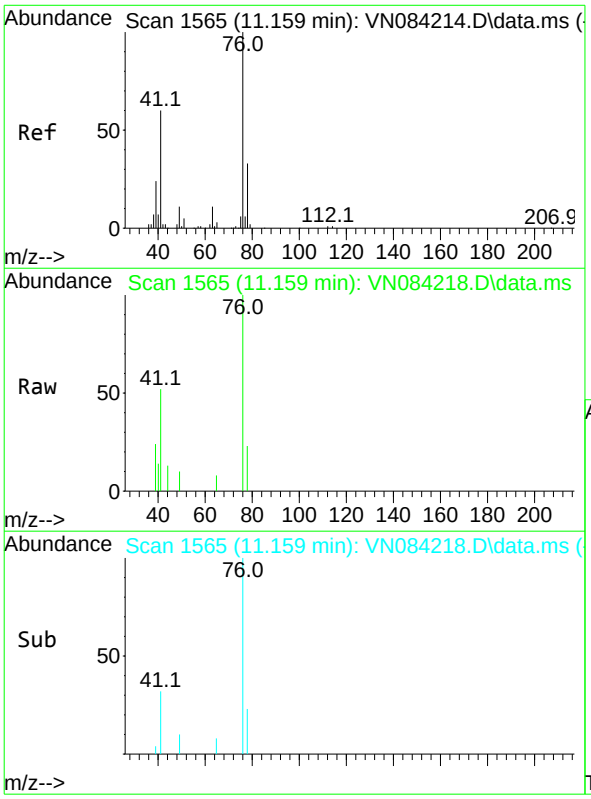
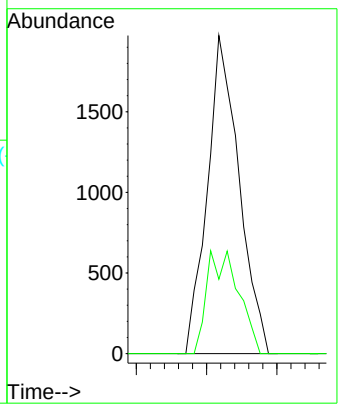
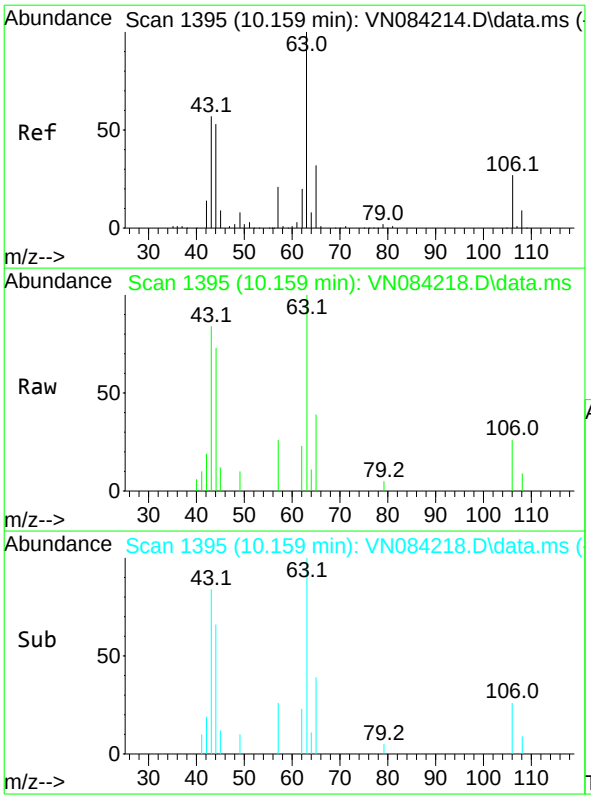


#57
1,3-Dichloropropane
Concen: 0.914 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 76 Resp: 3092

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

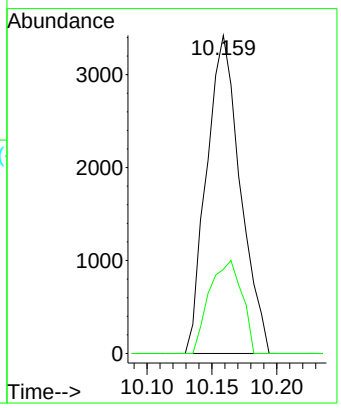




#58
2-Chloroethyl Vinyl ether
Concen: 4.278 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 6179

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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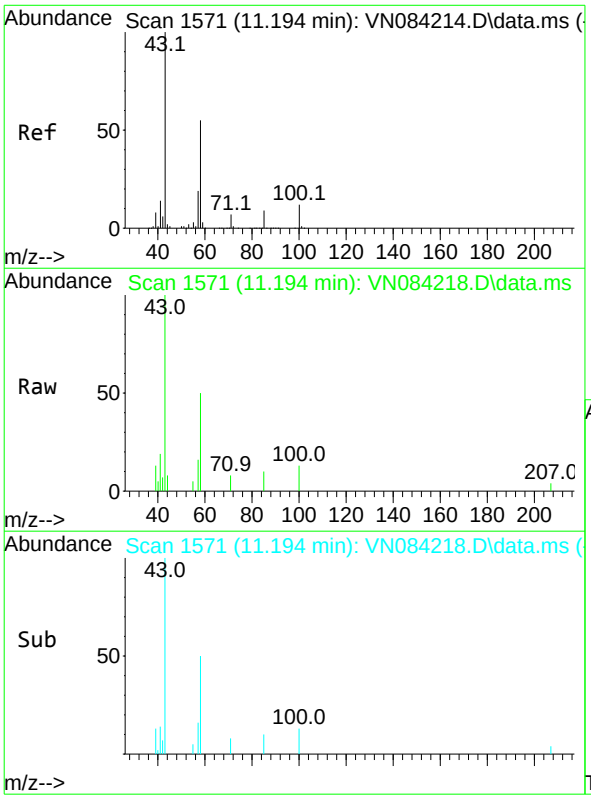
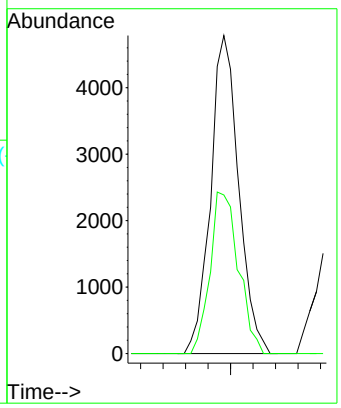
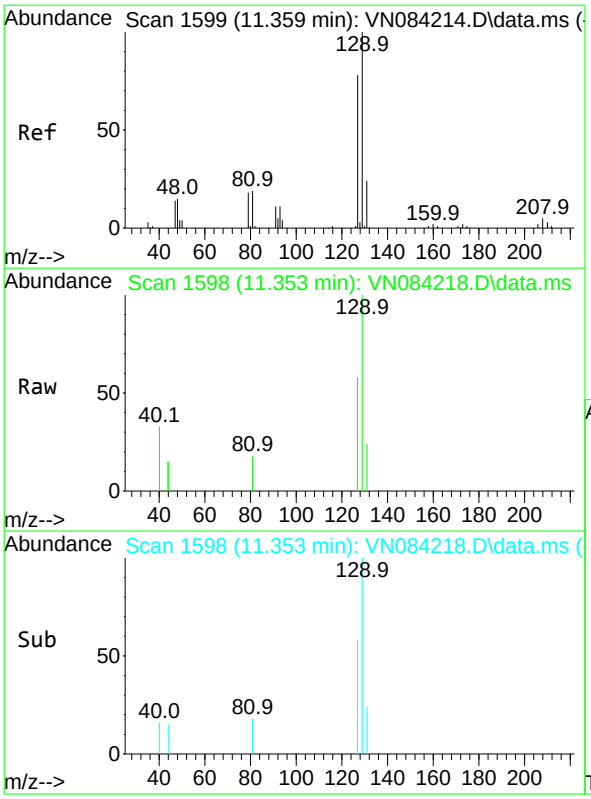


#59
2-Hexanone
Concen: 4.084 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 8282

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

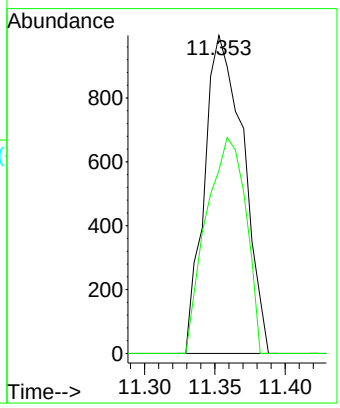




#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:129 Resp: 1916

Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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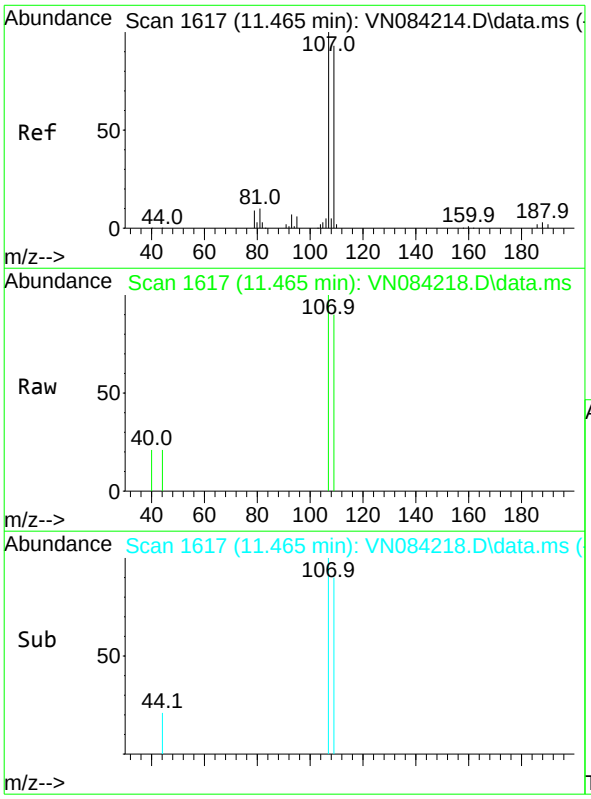
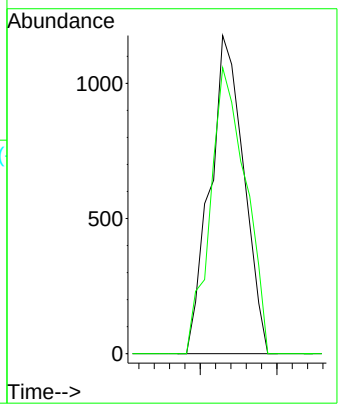
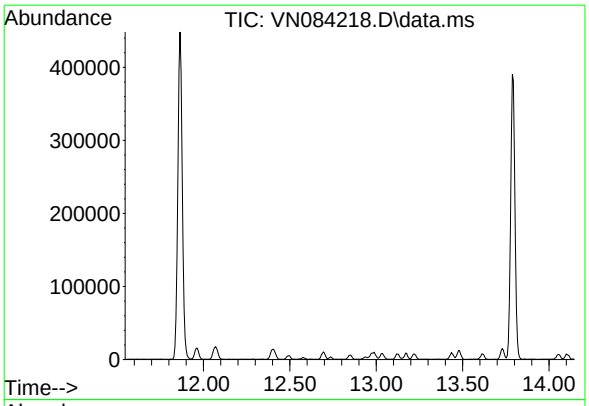


#61
1,2-Dibromoethane
Concen: 0.913 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:107 Resp: 1795

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	72.6
176	70.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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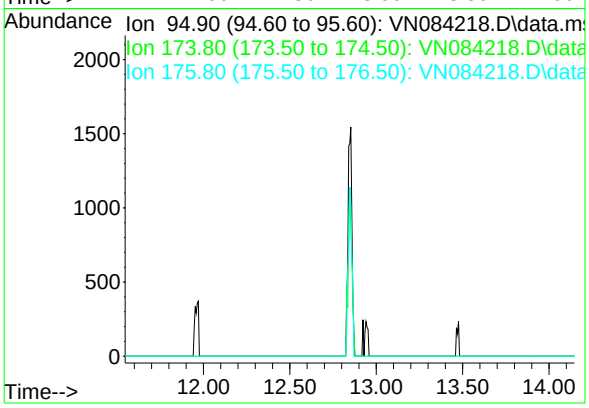
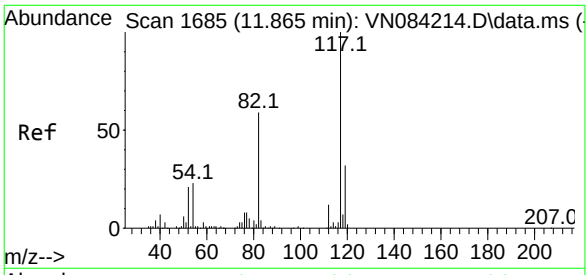
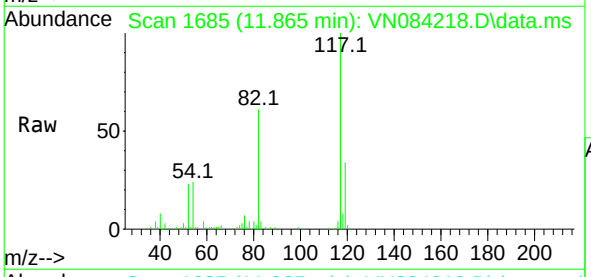


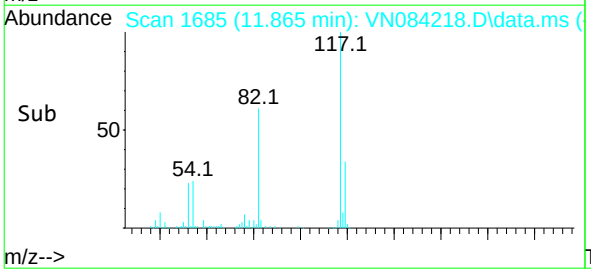


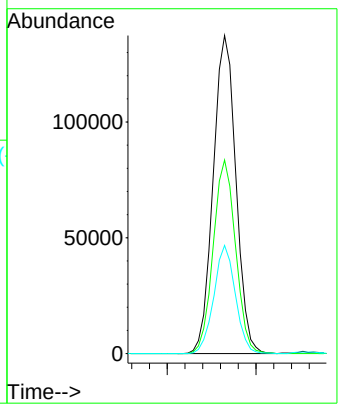
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

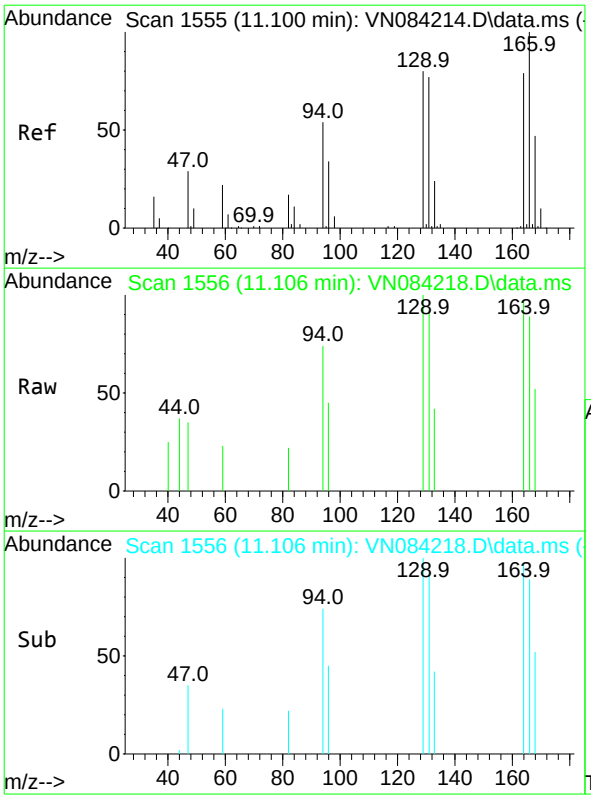
Tgt Ion:117 Resp: 244376

Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.2	70.8
119	34.0	25.4	38.0





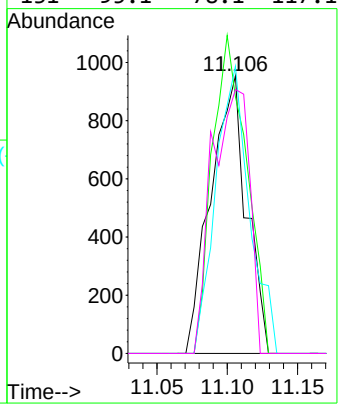




#64
Tetrachloroethene
Concen: 0.993 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:164 Resp: 1690

Ion	Ratio	Lower	Upper
164	100		
166	92.5	101.0	151.4#
129	103.5	80.8	121.2
131	95.1	78.1	117.1



Instrument :
MSVOA_N
ClientSampleId :
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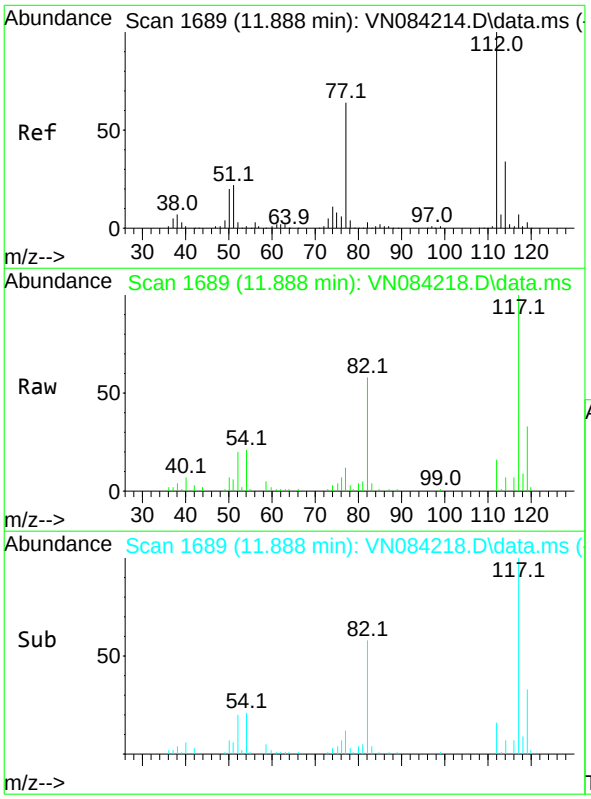
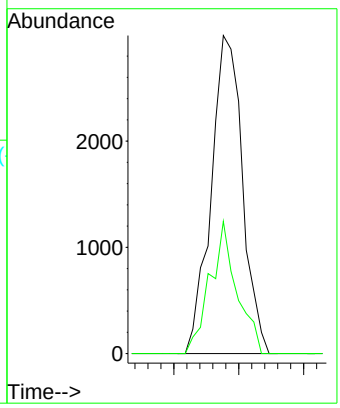
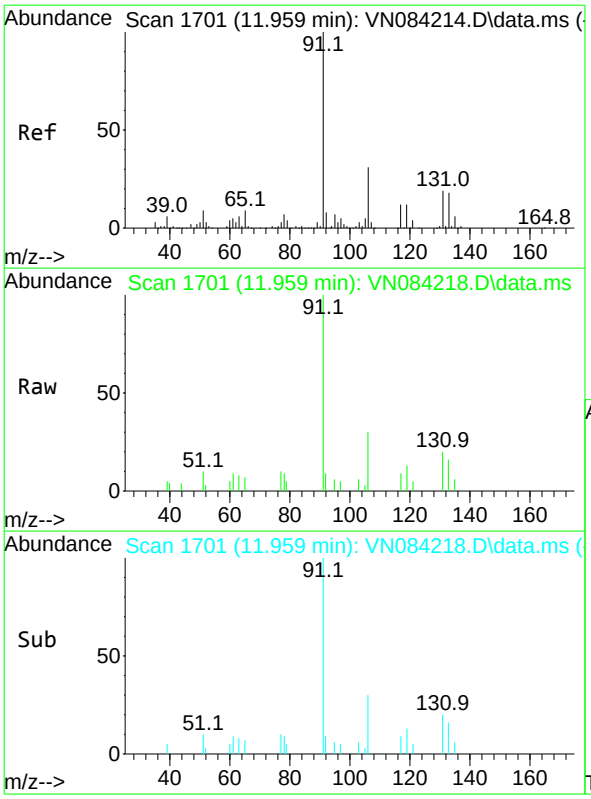


#65
Chlorobenzene
Concen: 0.927 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:112 Resp: 5025

Ion	Ratio	Lower	Upper
112	100		
114	41.6	27.0	40.6#

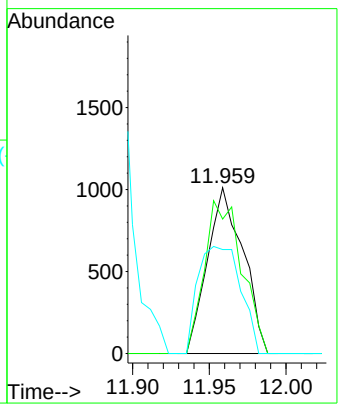




#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:131 Resp: 1632

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	0.0	32.8	98.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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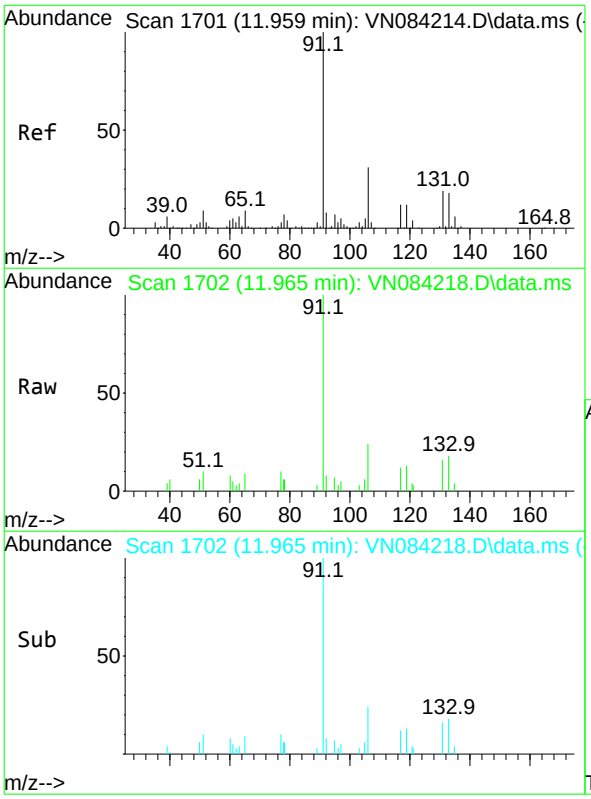
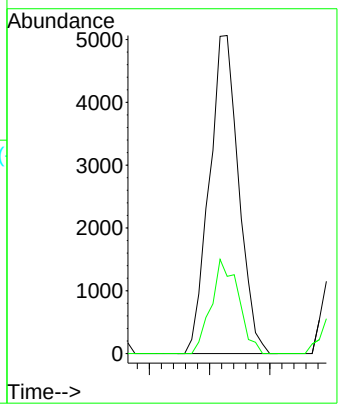
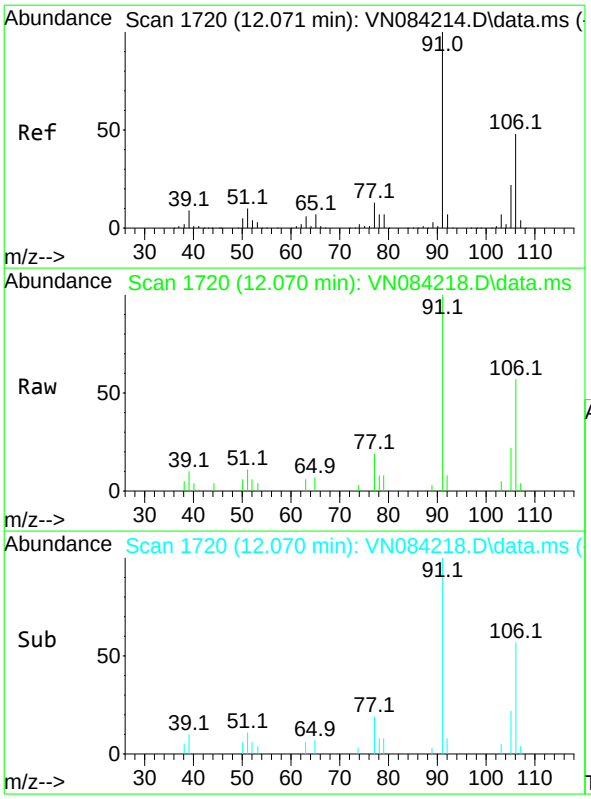


#67
Ethyl Benzene
Concen: 0.896 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 8582

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.5	36.7#

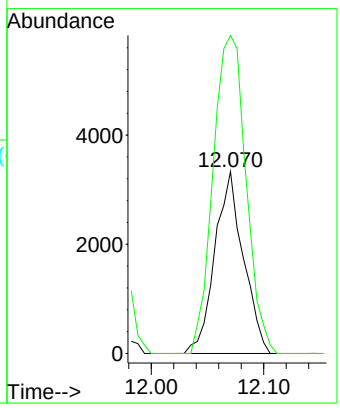




#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 5869

Ion	Ratio	Lower	Upper
106	100		
91	201.7	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
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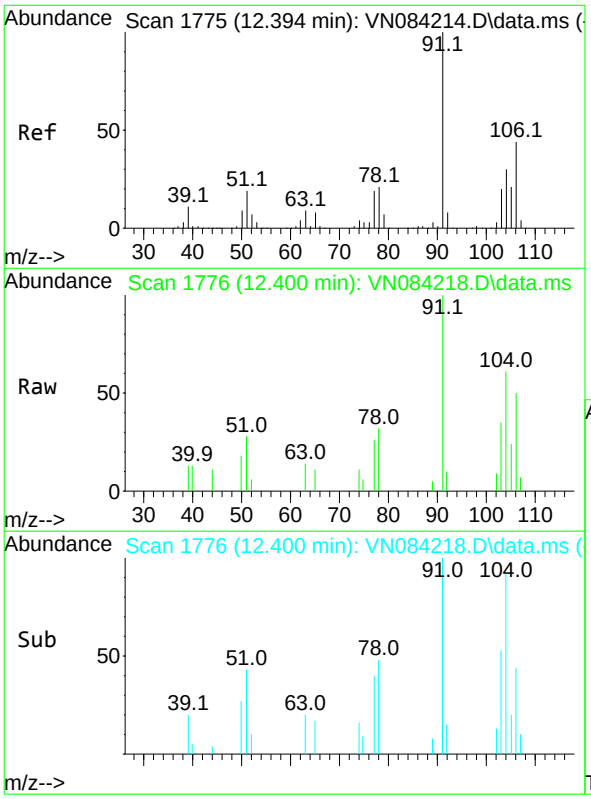
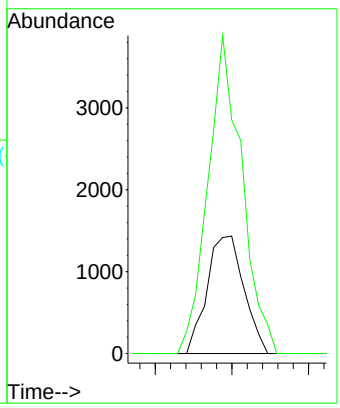
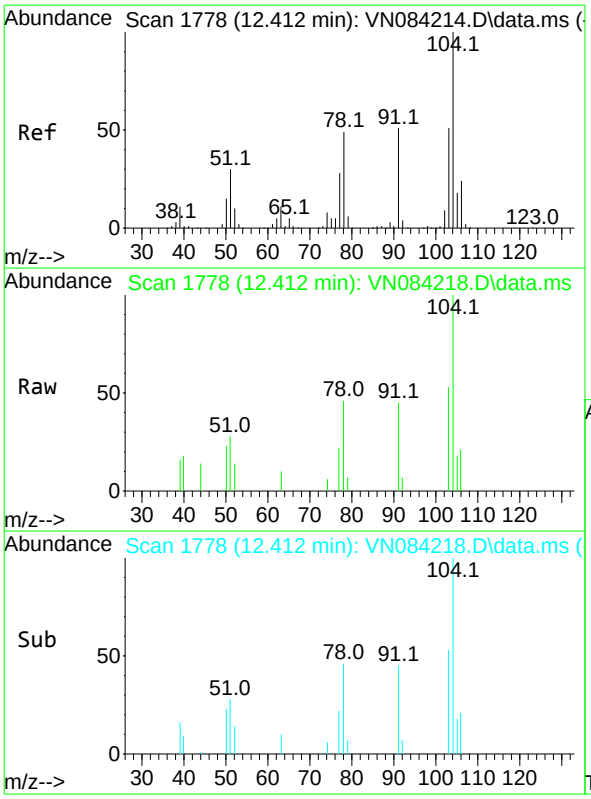


#69
o-Xylene
Concen: 0.715 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 2398

Ion	Ratio	Lower	Upper
106	100		
91	248.5	110.2	330.6

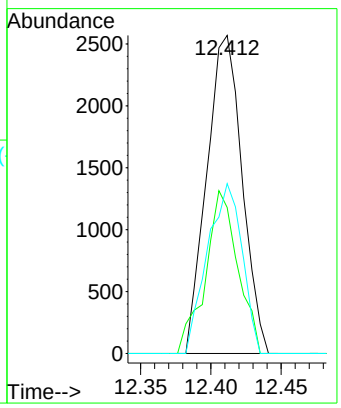




#70
Styrene
Concen: 0.790 ug/l
RT: 12.412 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:104 Resp: 4489

Ion	Ratio	Lower	Upper
104	100		
78	47.1	42.7	64.1
103	52.2	43.6	65.4



Instrument :
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ClientSampleId :
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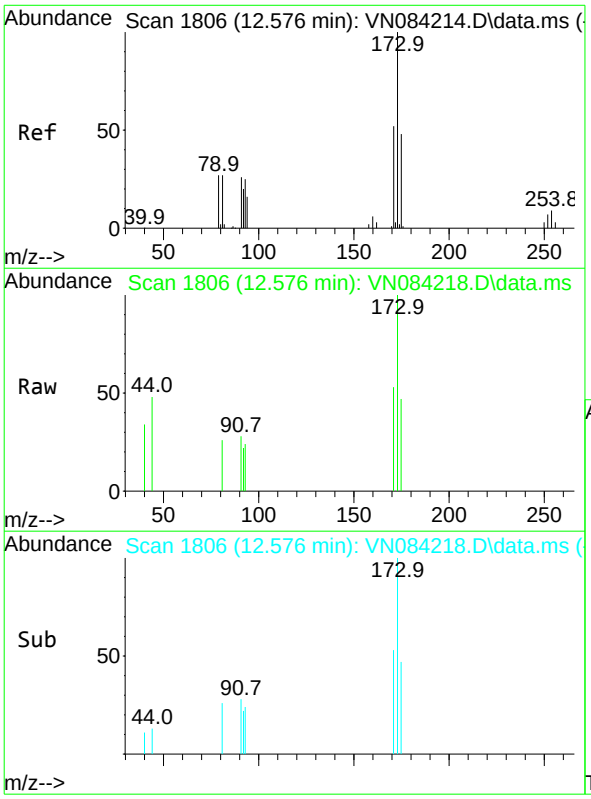
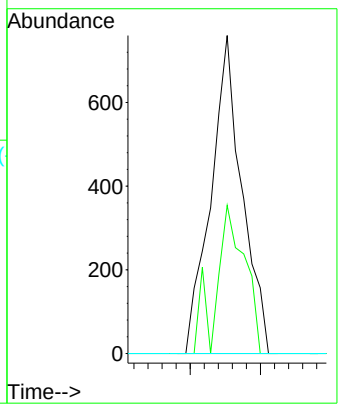
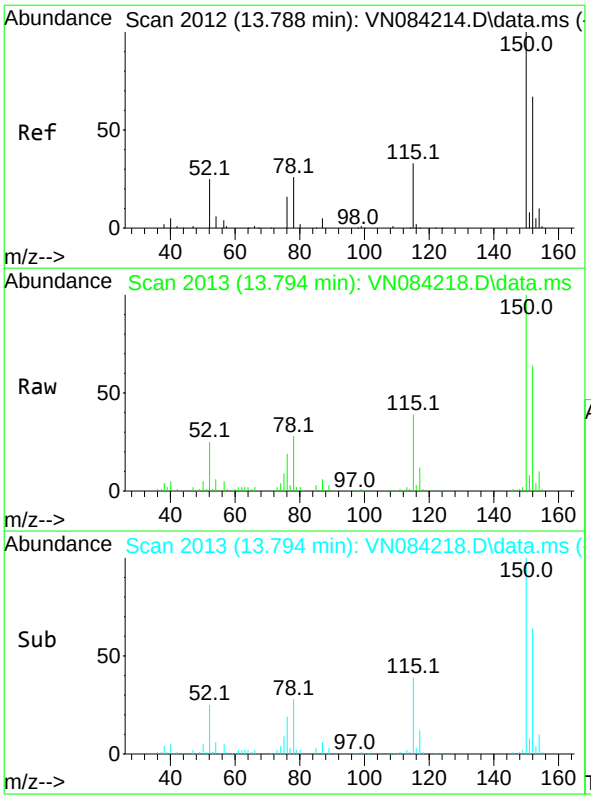


#71
Bromoform
Concen: 0.850 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:173 Resp: 1168

Ion	Ratio	Lower	Upper
173	100		
175	43.1	23.5	70.6
254	0.0	0.0	0.0

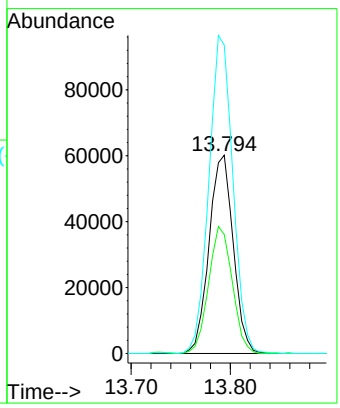




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:152 Resp: 101963

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	159.0	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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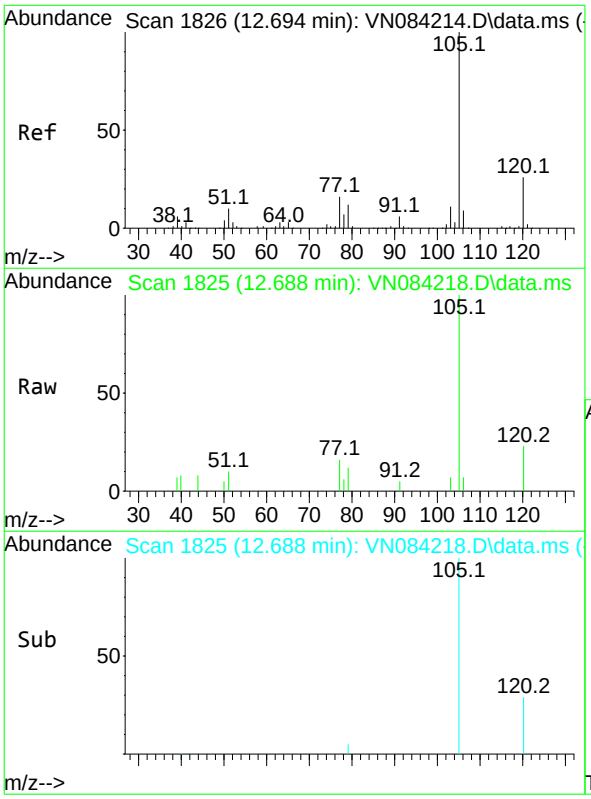
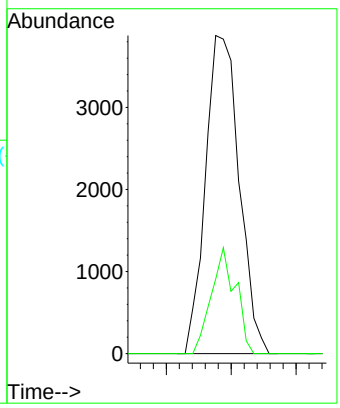
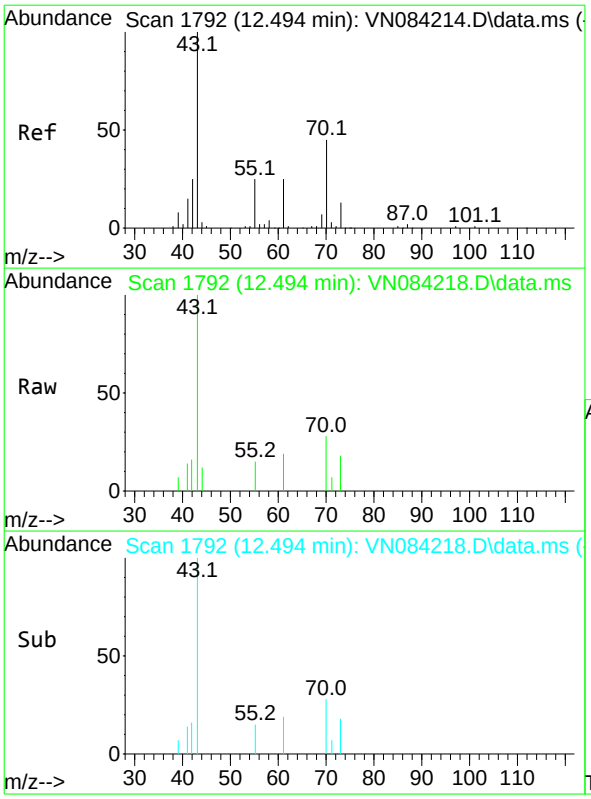


#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 6991

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.7

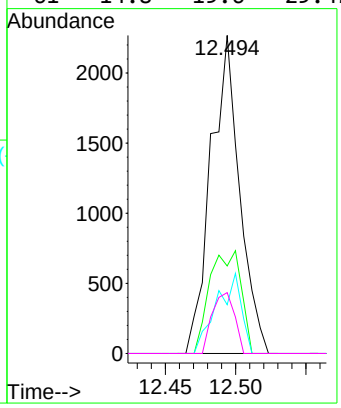




#74
N-amyl acetate
Concen: 0.916 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 3228

Ion	Ratio	Lower	Upper
43	100		
70	35.2	34.4	51.6
55	21.8	19.6	29.4
61	14.8	19.6	29.4#



Instrument :
MSVOA_N
ClientSampleId :
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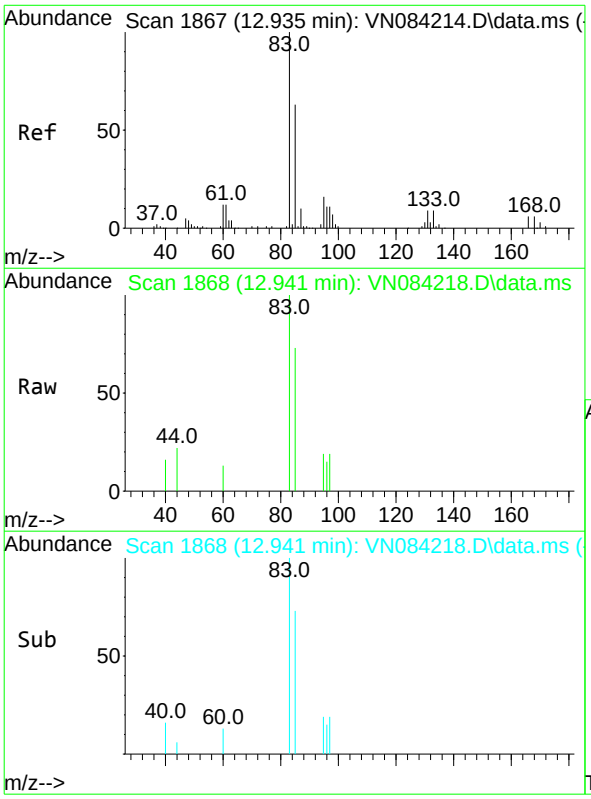
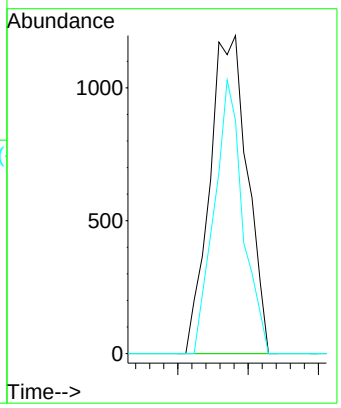
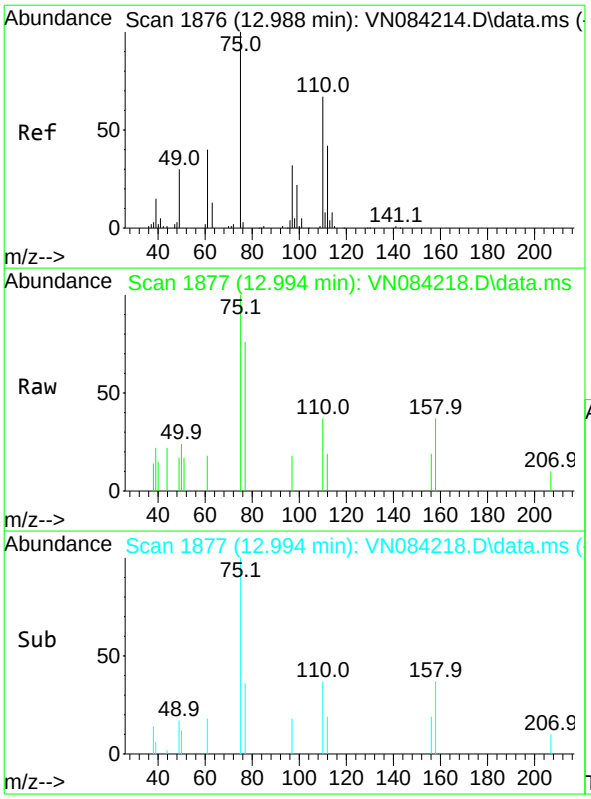


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 2233

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	65.3	31.9	95.7

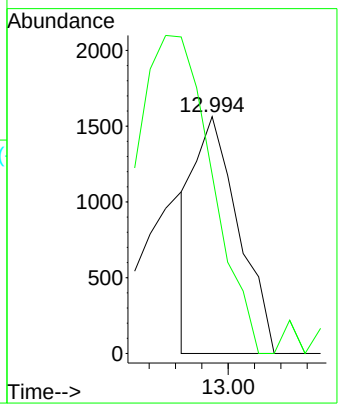




#76
1,2,3-Trichloropropane
Concen: 0.899 ug/l m
RT: 12.994 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 1826

Ion	Ratio	Lower	Upper
75	100		
77	231.3	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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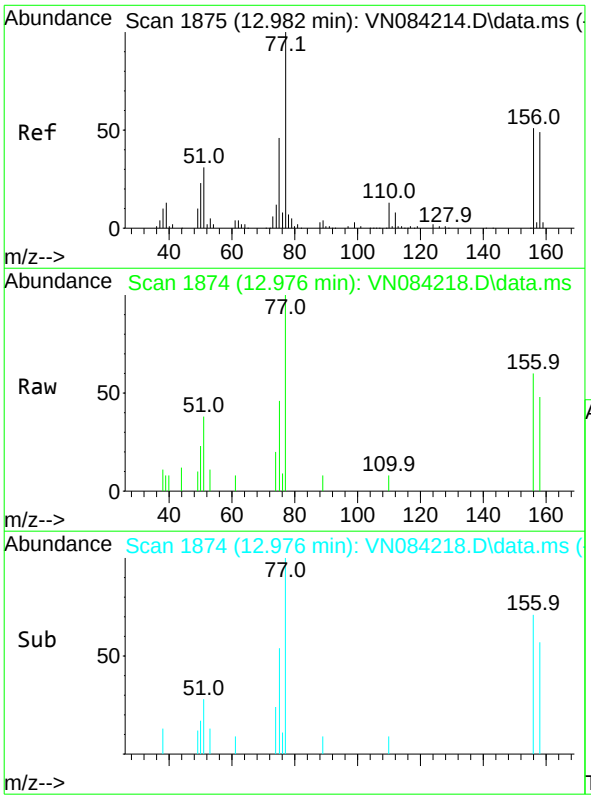
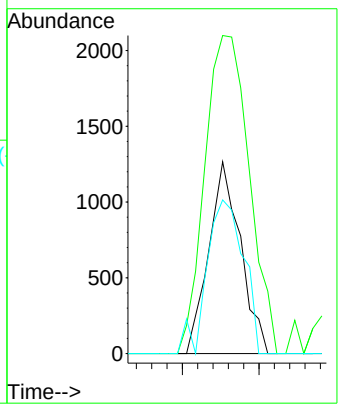
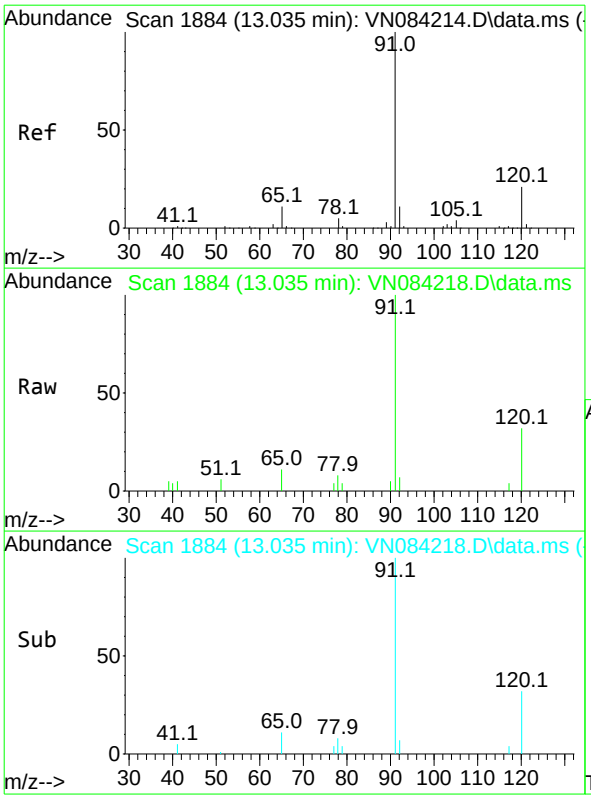


#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:156 Resp: 1818

Ion	Ratio	Lower	Upper
156	100		
77	232.3	115.1	345.3
158	92.7	48.9	146.8

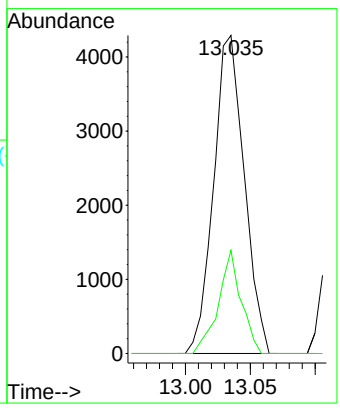




#78
n-propylbenzene
Concen: 0.781 ug/l
RT: 13.035 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 7045

Ion	Ratio	Lower	Upper
91	100		
120	24.2	10.8	32.4



Instrument :
MSVOA_N
ClientSampleId :
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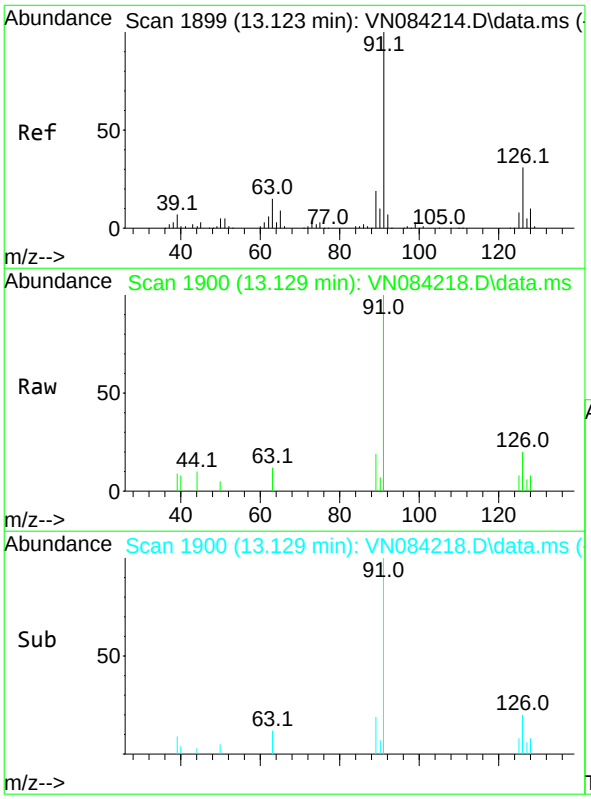
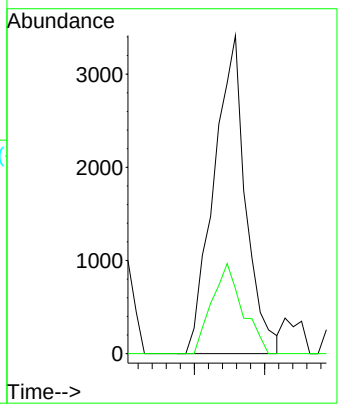
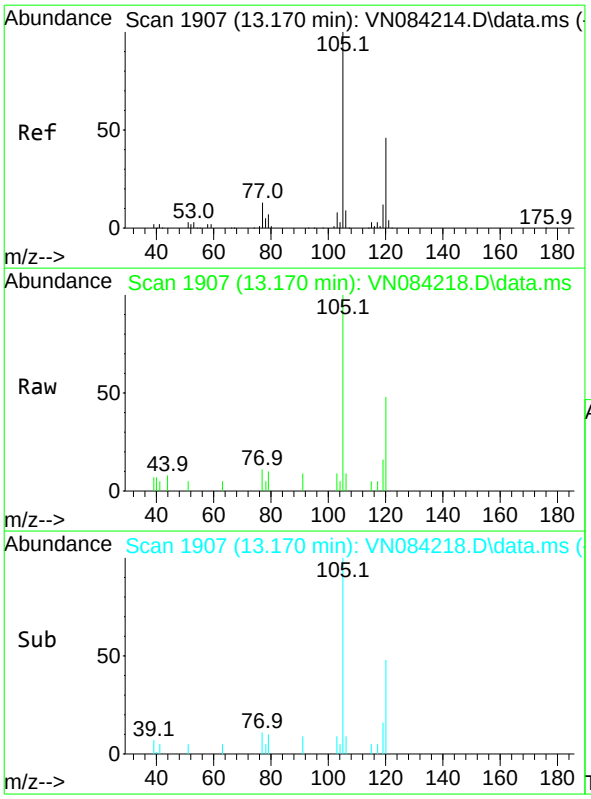


#79
2-Chlorotoluene
Concen: 0.936 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5383

Ion	Ratio	Lower	Upper
91	100		
126	27.2	15.7	47.1

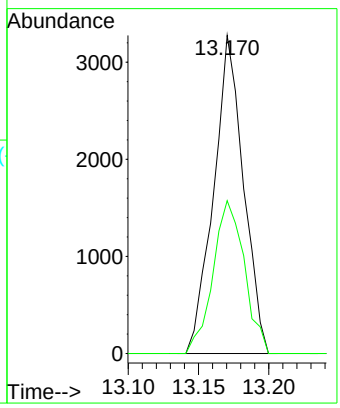




#80
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4830

Ion	Ratio	Lower	Upper
105	100		
120	50.6	23.7	71.1



Instrument :
MSVOA_N
ClientSampleId :
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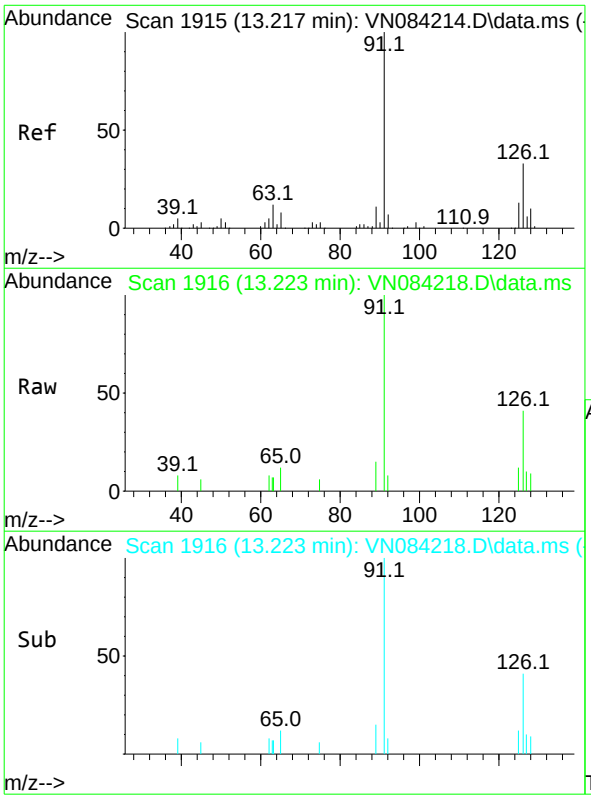
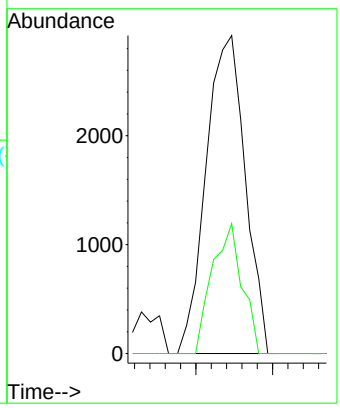
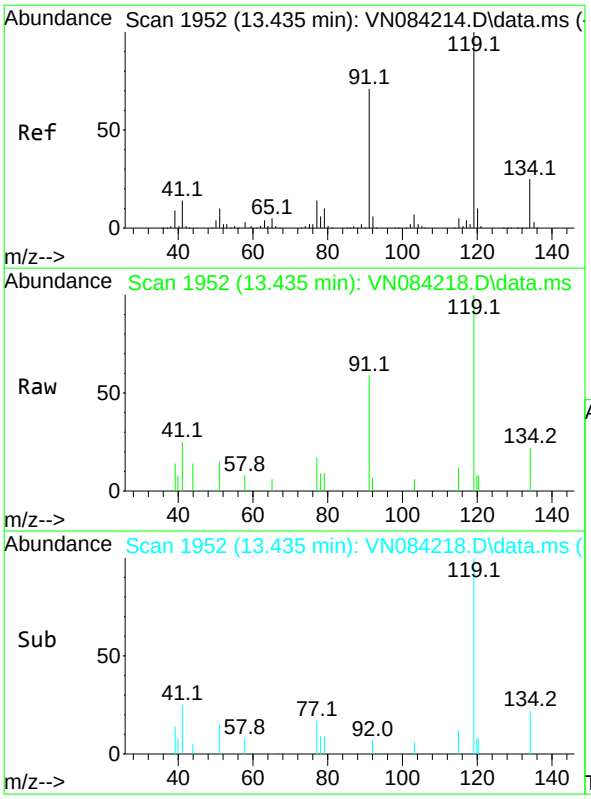


#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5174

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

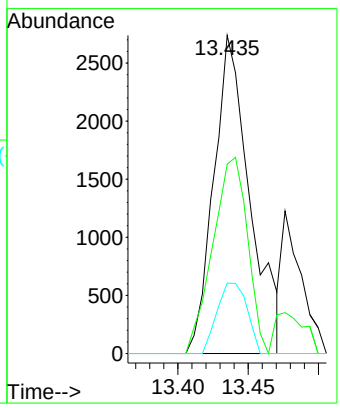




#83
tert-Butylbenzene
Concen: 0.870 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:119 Resp: 4909

Ion	Ratio	Lower	Upper
119	100		
91	59.0	34.1	102.3
134	18.3	12.8	38.4



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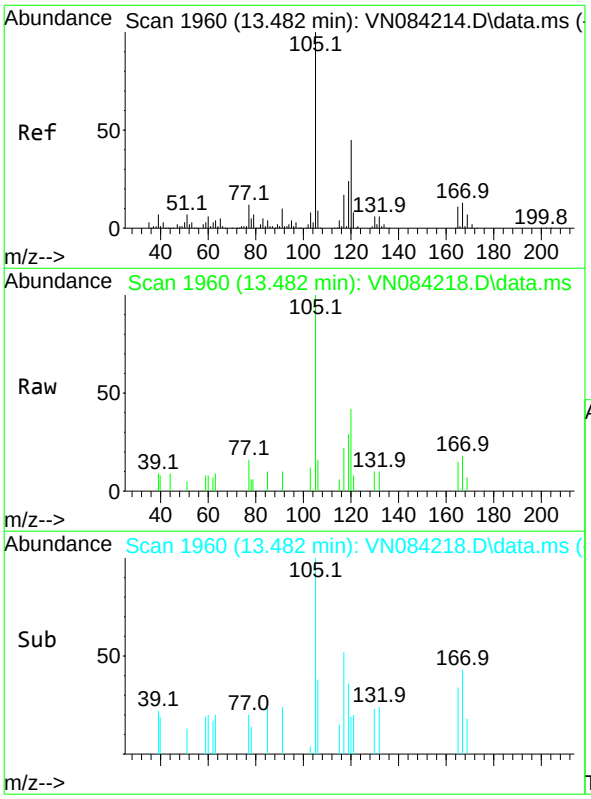
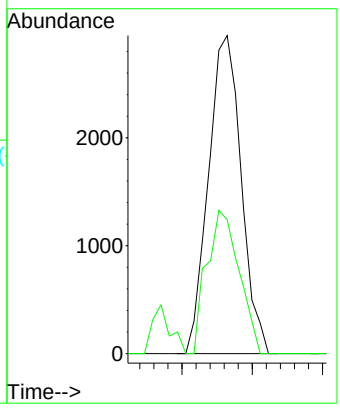
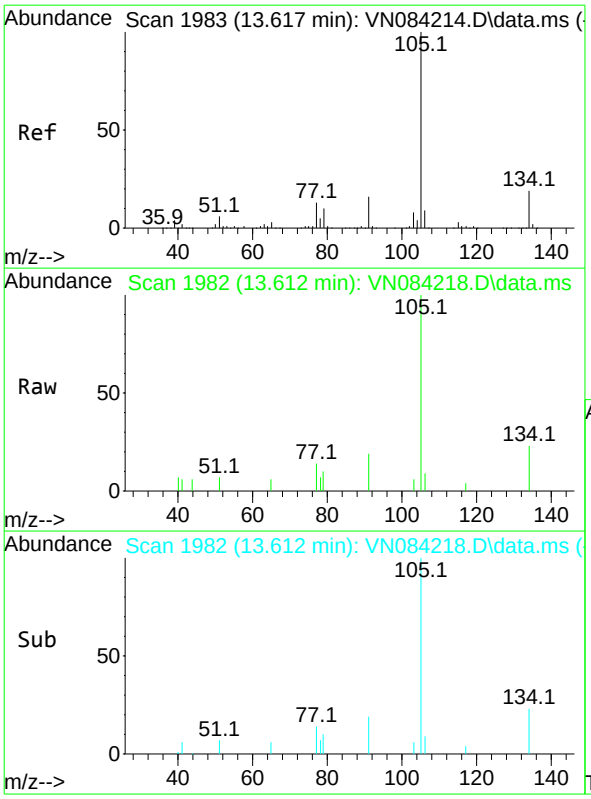


#84
1,2,4-Trimethylbenzene
Concen: 0.744 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4760

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8

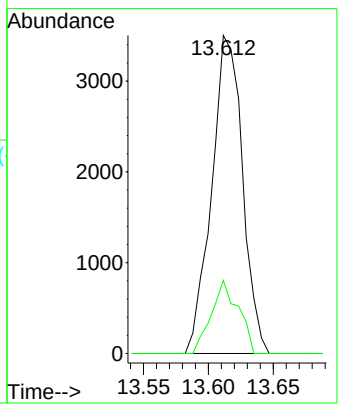




#85
sec-Butylbenzene
Concen: 0.770 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 5795

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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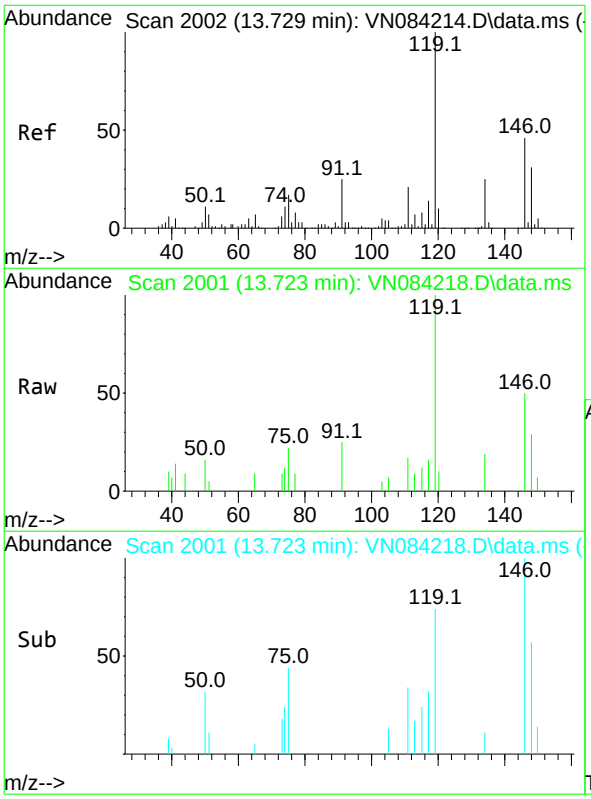
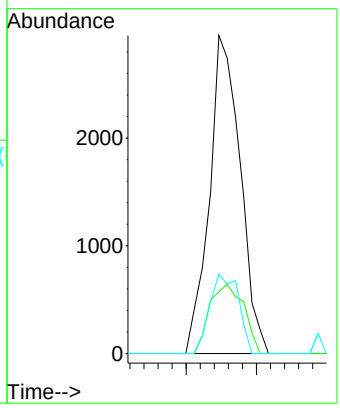
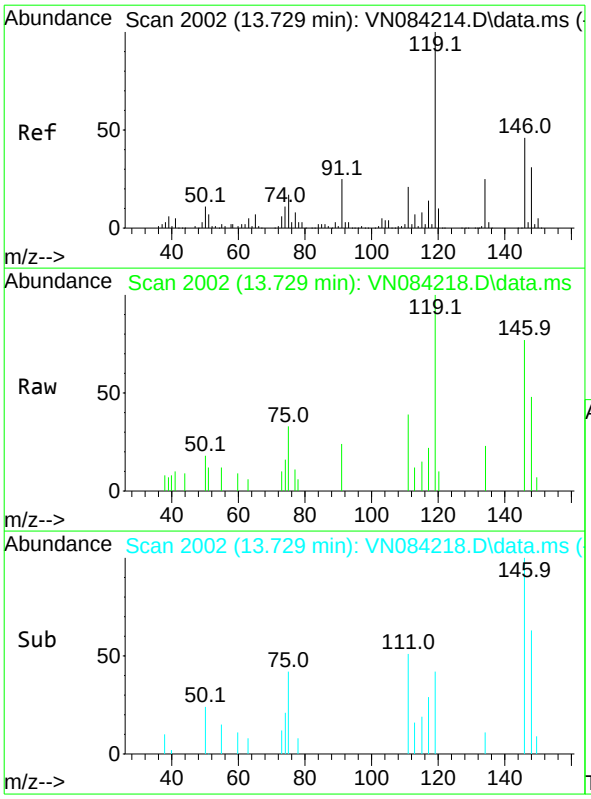


#86
p-Isopropyltoluene
Concen: 0.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:119 Resp: 4495

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	23.4	12.4	37.2

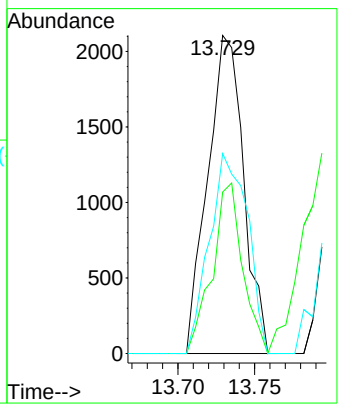




#87
1,3-Dichlorobenzene
Concen: 0.972 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3424

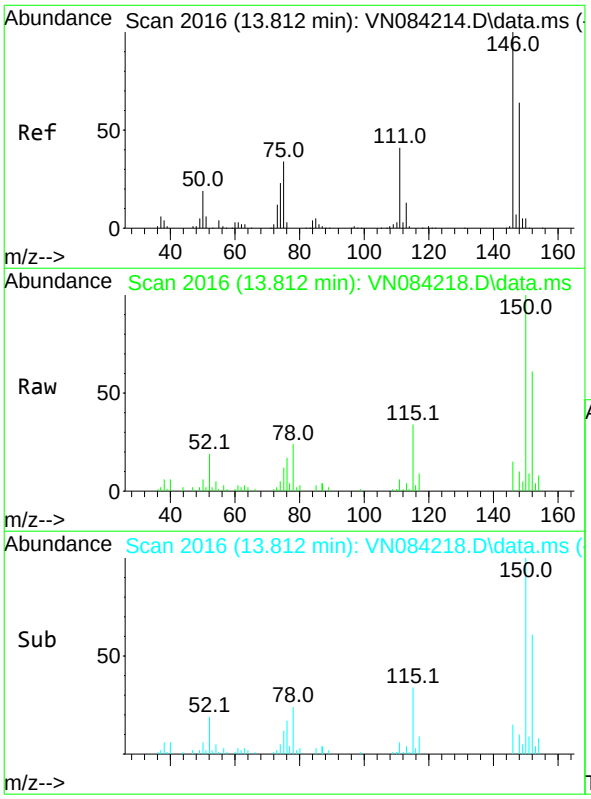
Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.8	65.3
148	67.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

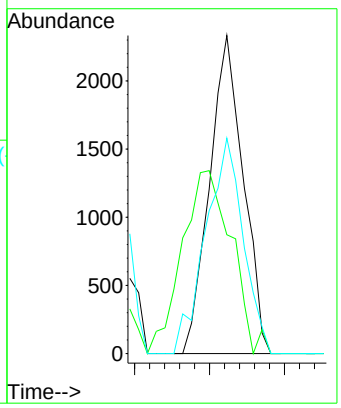
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

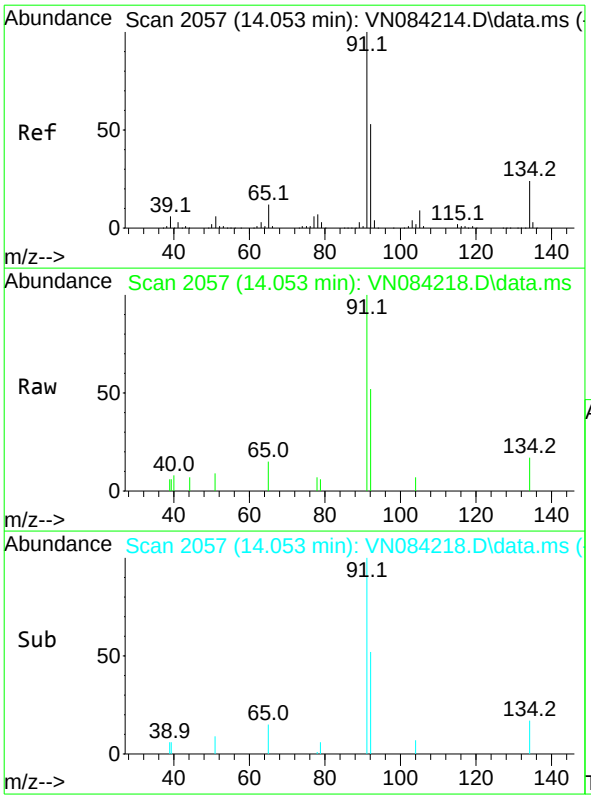


#88
1,4-Dichlorobenzene
Concen: 1.026 ug/l m
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3648

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	62.9	31.9	95.9

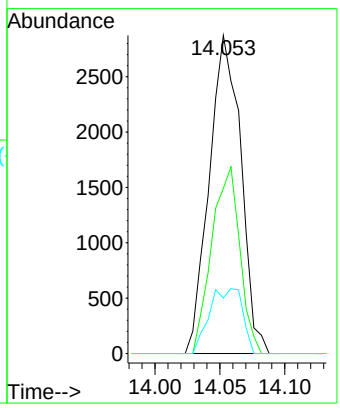




#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 4866

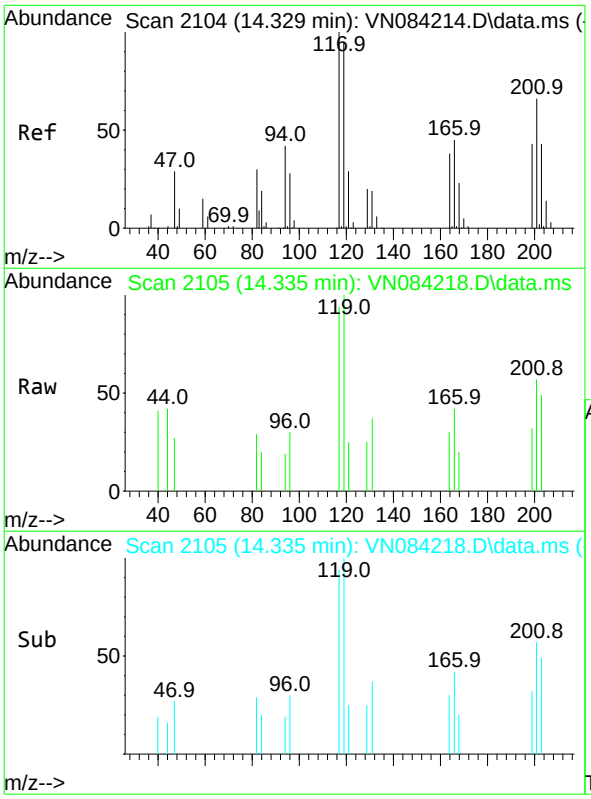
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	21.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

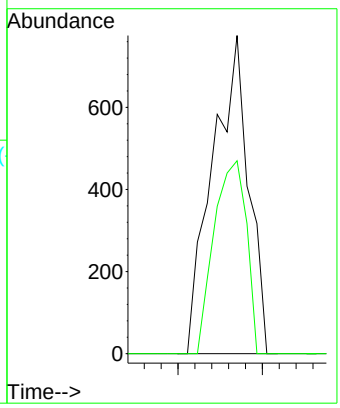
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

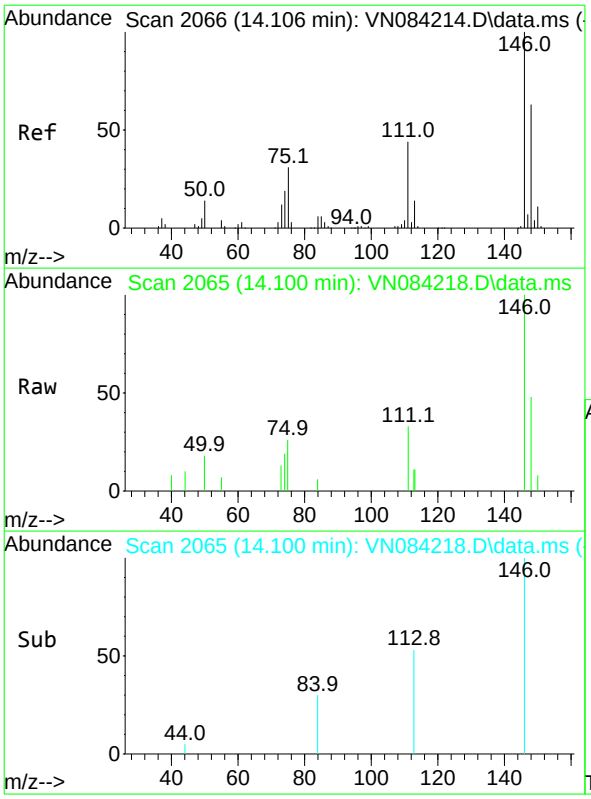


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 1151

Ion	Ratio	Lower	Upper
117	100		
201	54.3	34.4	103.2

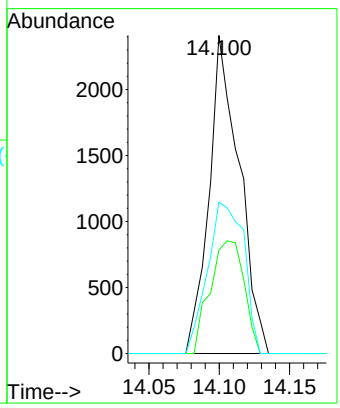




#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3610

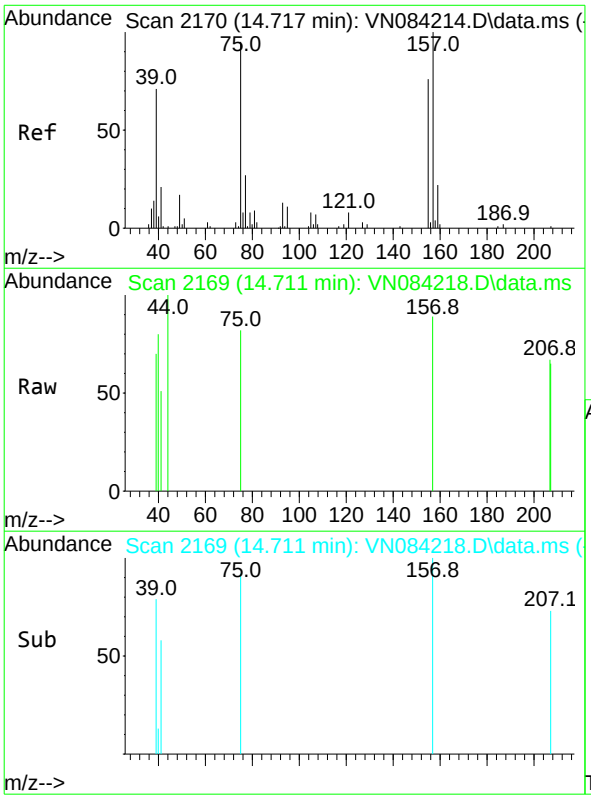
Ion	Ratio	Lower	Upper
146	100		
111	39.9	22.0	66.0
148	57.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

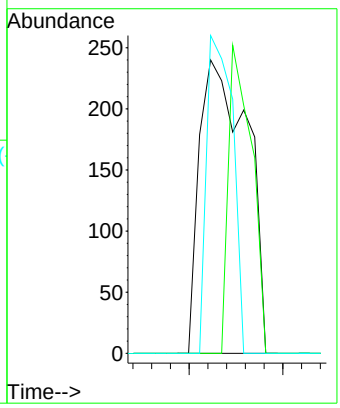
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

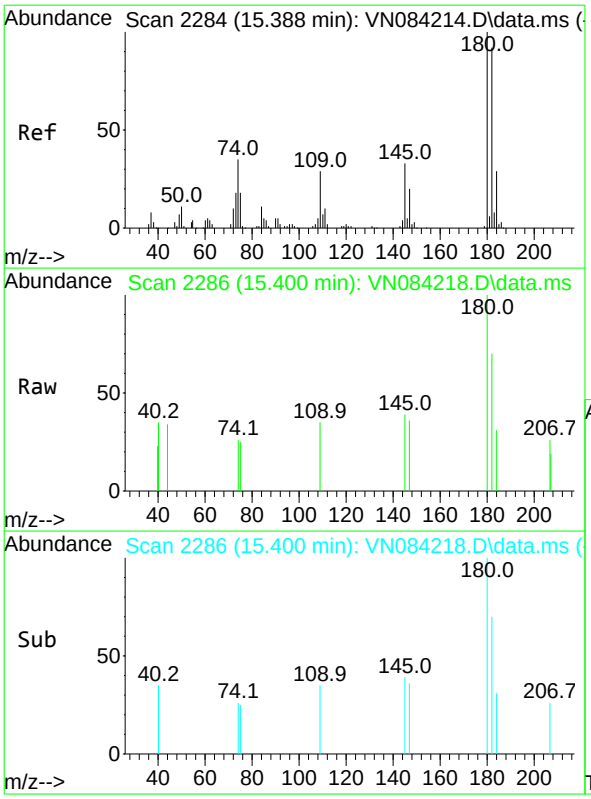


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.876 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 423

Ion	Ratio	Lower	Upper
75	100		
155	51.3	38.1	114.5
157	59.1	49.6	149.0

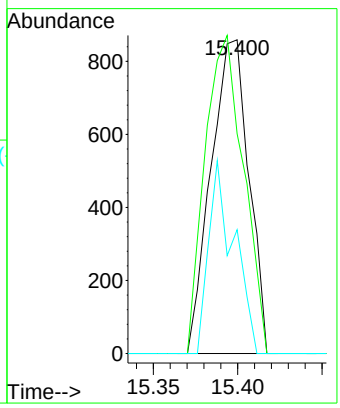




#93
1,2,4-Trichlorobenzene
Concen: 0.788 ug/l
RT: 15.400 min Scan# 22
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:180 Resp: 1340

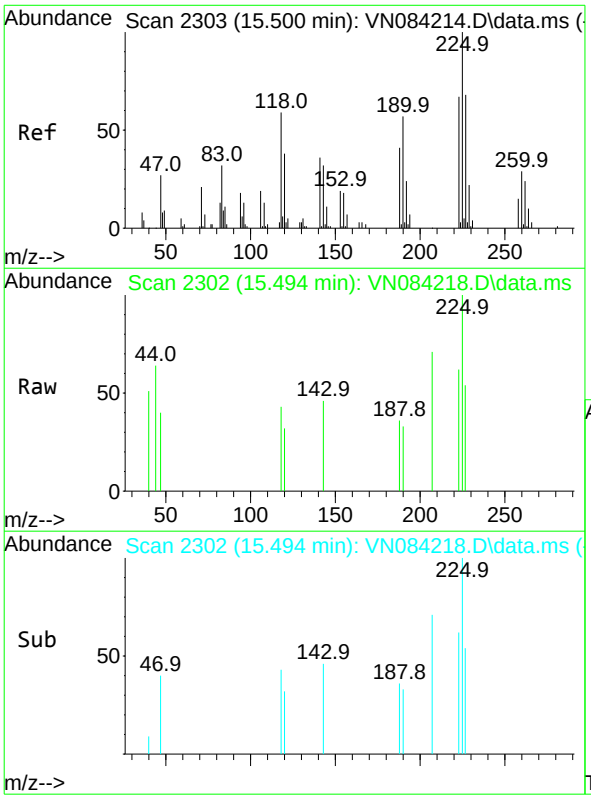
Ion	Ratio	Lower	Upper
180	100		
182	103.0	47.0	141.0
145	41.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

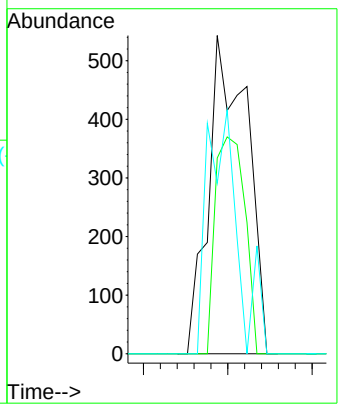
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

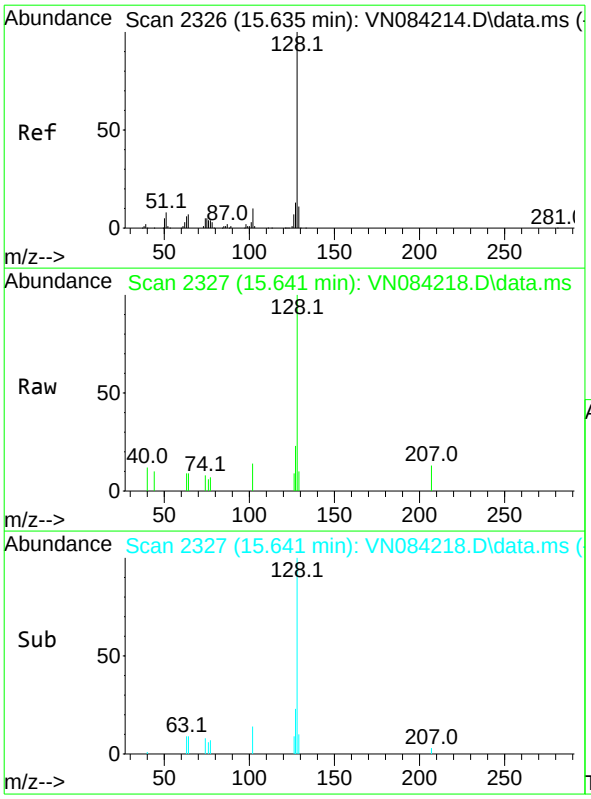


#94
Hexachlorobutadiene
Concen: 1.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:225 Resp: 861

Ion	Ratio	Lower	Upper
225	100		
223	52.7	32.4	97.2
227	60.7	32.4	97.0

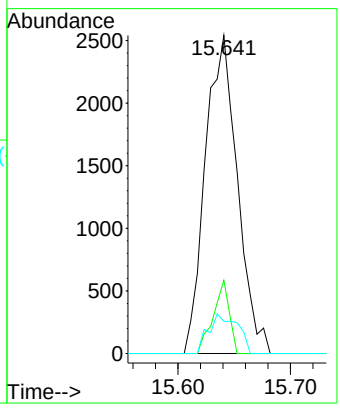




#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:128 Resp: 5031

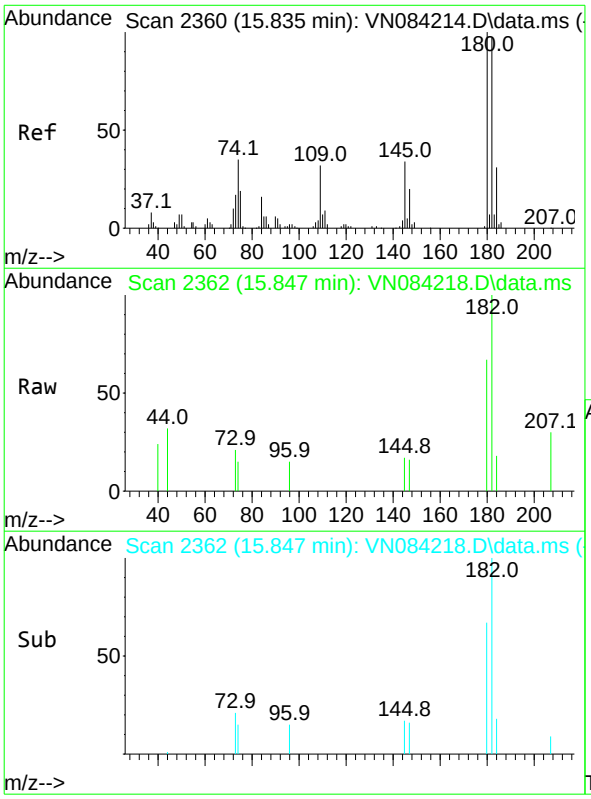
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.5	15.7
129	11.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

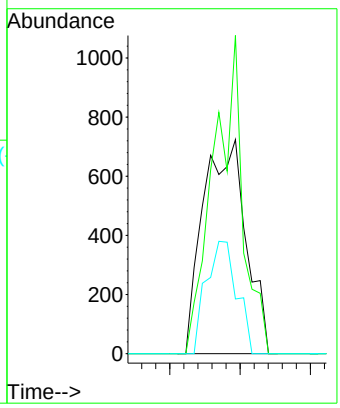
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.899 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:180 Resp: 1531

Ion	Ratio	Lower	Upper
180	100		
182	101.0	48.2	144.6
145	37.5	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130630	50.564	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.120%			
35) Dibromofluoromethane	8.165	113	100200	50.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.565	98	387775	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	140850	52.971	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	108641	52.712	ug/l	95
3) Chloromethane	2.359	50	121140	51.477	ug/l	97
4) Vinyl Chloride	2.512	62	116792	51.235	ug/l	99
5) Bromomethane	2.947	94	71654	47.656	ug/l	99
6) Chloroethane	3.118	64	73658	45.119	ug/l	94
7) Trichlorofluoromethane	3.495	101	188482	53.099	ug/l	98
8) Diethyl Ether	3.959	74	70360	53.445	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	104895	51.573	ug/l	99
10) Methyl Iodide	4.589	142	141430	53.996	ug/l	92
11) Tert butyl alcohol	5.524	59	109545	257.154	ug/l	99
12) 1,1-Dichloroethene	4.342	96	104103	53.064	ug/l	95
13) Acrolein	4.177	56	125971	257.587	ug/l	97
14) Allyl chloride	5.024	41	174077	51.092	ug/l	100
15) Acrylonitrile	5.718	53	293962	273.264	ug/l	99
16) Acetone	4.430	43	308020	277.547	ug/l	97
17) Carbon Disulfide	4.712	76	302450	48.693	ug/l	100
18) Methyl Acetate	5.024	43	130494	53.948	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	360019	54.371	ug/l	96
20) Methylene Chloride	5.277	84	117572	52.116	ug/l	89
21) trans-1,2-Dichloroethene	5.783	96	108894	52.980	ug/l	97
22) Diisopropyl ether	6.671	45	384647	54.579	ug/l	99
23) Vinyl Acetate	6.600	43	1492704	285.569	ug/l	99
24) 1,1-Dichloroethane	6.565	63	211544	53.676	ug/l	98
25) 2-Butanone	7.482	43	426860	282.397	ug/l	98
26) 2,2-Dichloropropane	7.488	77	189858	53.428	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	128843	51.876	ug/l	98
28) Bromochloromethane	7.818	49	84632	48.129	ug/l	97
29) Tetrahydrofuran	7.835	42	262996	281.940	ug/l	99
30) Chloroform	7.965	83	213634	52.184	ug/l	95
31) Cyclohexane	8.259	56	190602	49.809	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	196319	53.395	ug/l	99
36) 1,1-Dichloropropene	8.371	75	155365	53.917	ug/l	99
37) Ethyl Acetate	7.559	43	159764	54.043	ug/l	99
38) Carbon Tetrachloride	8.359	117	169403	53.593	ug/l	94
39) Methylcyclohexane	9.600	83	181676	56.648	ug/l	98
40) Benzene	8.606	78	478538	53.301	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89407	55.708	ug/l		98
42) 1,2-Dichloroethane	8.671	62	164758	54.131	ug/l		99
43) Isopropyl Acetate	8.688	43	278668	48.126	ug/l		100
44) Trichloroethene	9.353	130	109810	52.368	ug/l		100
45) 1,2-Dichloropropane	9.618	63	116161	54.694	ug/l		99
46) Dibromomethane	9.706	93	80284	56.015	ug/l		100
47) Bromodichloromethane	9.888	83	173015	54.335	ug/l		98
48) Methyl methacrylate	9.682	41	132287	57.391	ug/l		98
49) 1,4-Dioxane	9.694	88	47169	1111.545	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	808630	287.336	ug/l		100
52) Toluene	10.629	92	296651	54.185	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	183153	56.426	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	193475	55.416	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	108550	55.307	ug/l		98
56) Ethyl methacrylate	10.876	69	189121	58.561	ug/l		100
57) 1,3-Dichloropropane	11.165	76	191966	54.738	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	415454	277.315	ug/l		98
59) 2-Hexanone	11.194	43	621000	295.238	ug/l		100
60) Dibromochloromethane	11.359	129	127786	55.105	ug/l		99
61) 1,2-Dibromoethane	11.470	107	111244	54.548	ug/l		98
64) Tetrachloroethene	11.100	164	96460	52.585	ug/l		99
65) Chlorobenzene	11.888	112	312728	53.555	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	111388	55.381	ug/l		97
67) Ethyl Benzene	11.965	91	573790	55.563	ug/l		99
68) m/p-Xylenes	12.070	106	434515	113.748	ug/l		99
69) o-Xylene	12.400	106	209737	58.032	ug/l		99
70) Styrene	12.412	104	355892	58.136	ug/l		99
71) Bromoform	12.576	173	84787	57.258	ug/l	#	99
73) Isopropylbenzene	12.694	105	535240	53.604	ug/l		100
74) N-amyl acetate	12.494	43	249223	55.118	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	157322	52.398	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	134836m	50.475	ug/l		
77) Bromobenzene	12.976	156	124463	51.676	ug/l		98
78) n-propylbenzene	13.035	91	638464	55.188	ug/l		99
79) 2-Chlorotoluene	13.123	91	390502	52.898	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	456943	56.101	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	58987	52.939	ug/l		99
82) 4-Chlorotoluene	13.217	91	397246	53.455	ug/l		100
83) tert-Butylbenzene	13.435	119	390221	53.903	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	461123	56.199	ug/l		98
85) sec-Butylbenzene	13.617	105	536685	55.556	ug/l		99
86) p-Isopropyltoluene	13.729	119	452245	56.614	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	234190	51.830	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	234070	51.298	ug/l		99
89) n-Butylbenzene	14.053	91	396001	54.671	ug/l		100
90) Hexachloroethane	14.329	117	82363	50.795	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	226320	51.082	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32296	52.125	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	114157	52.311	ug/l		99
94) Hexachlorobutadiene	15.500	225	50461	46.368	ug/l		97
95) Naphthalene	15.641	128	380549	52.602	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	111086	50.853	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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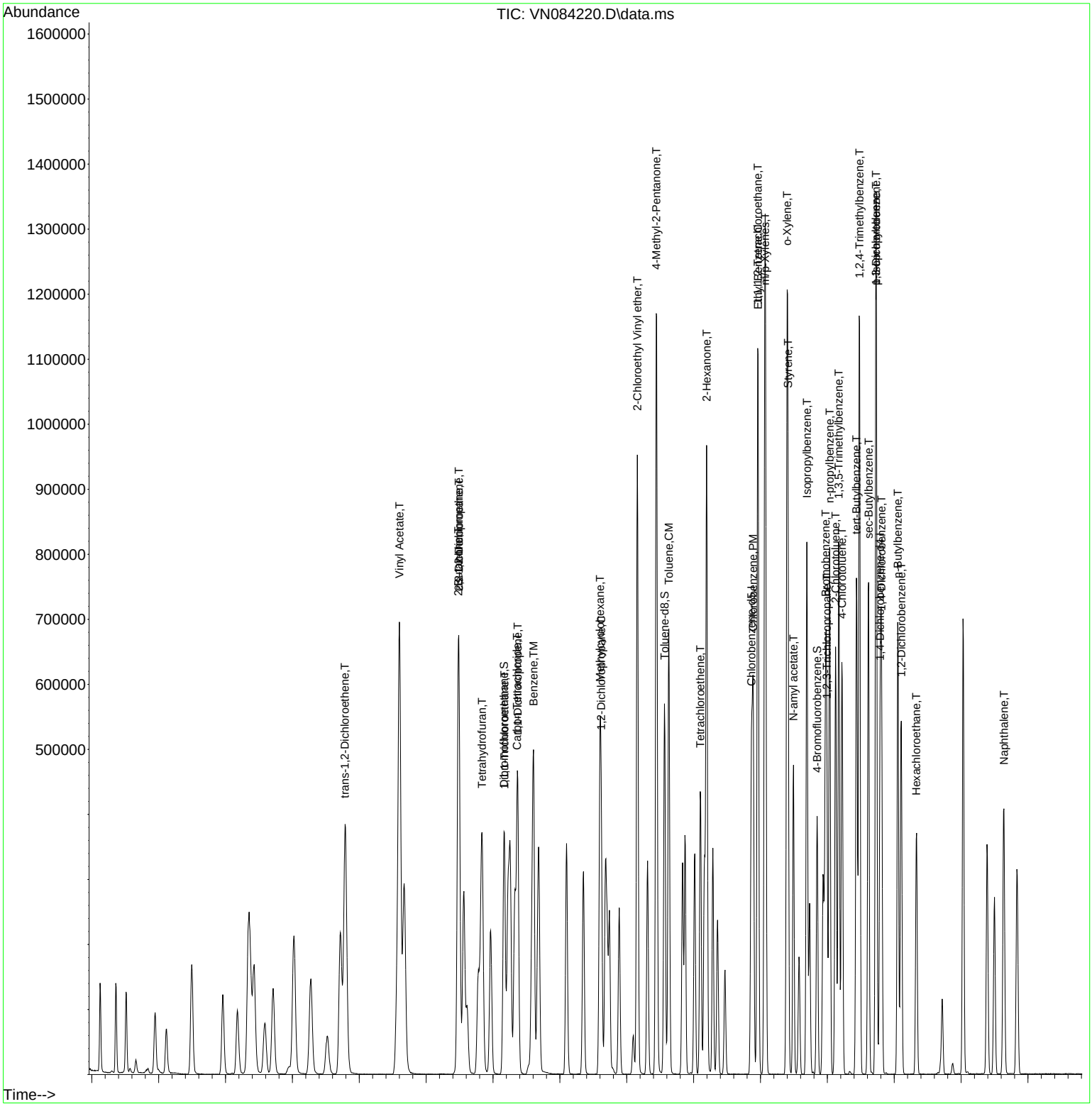
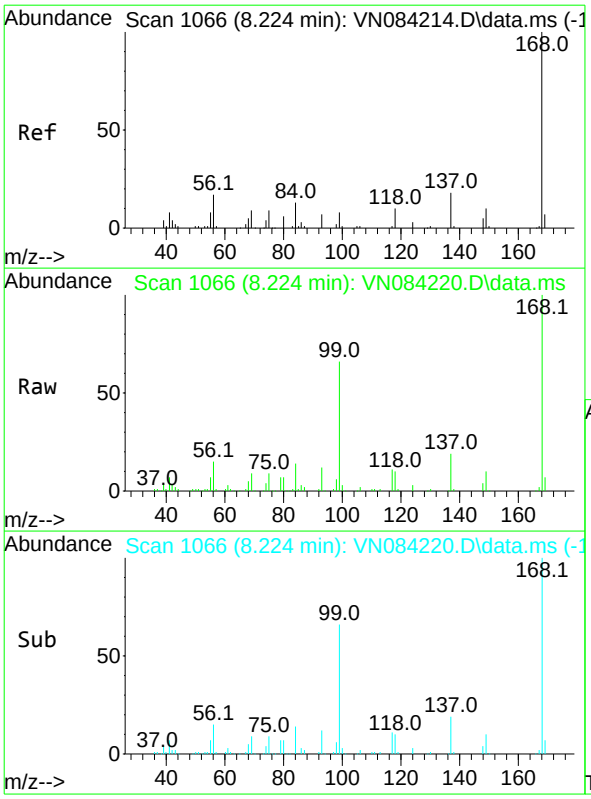
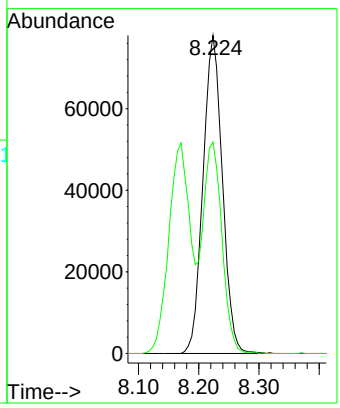




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:168 Resp: 174241

Ion	Ratio	Lower	Upper
168	100		
99	66.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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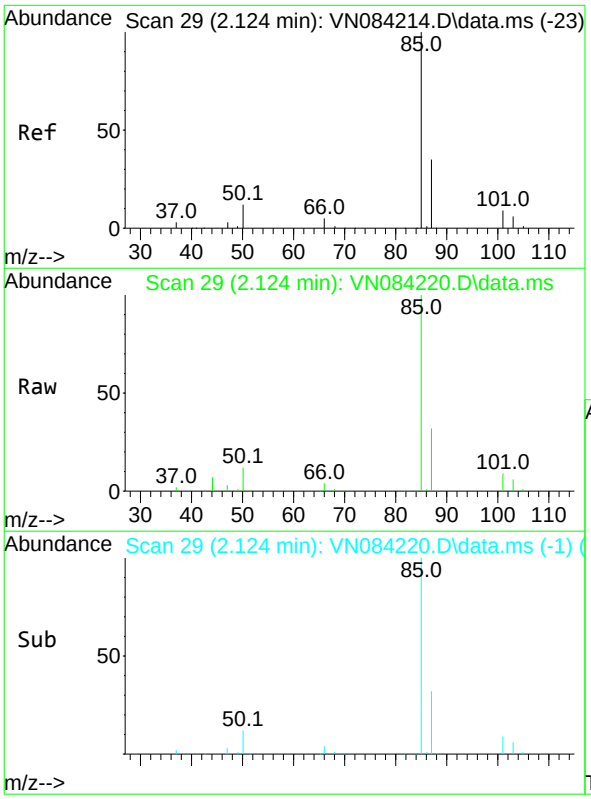
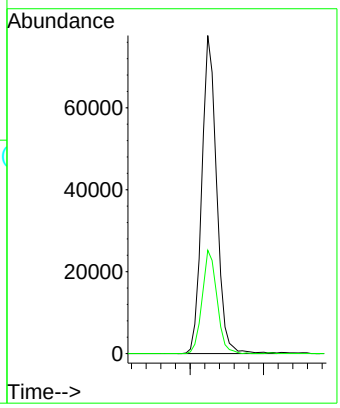
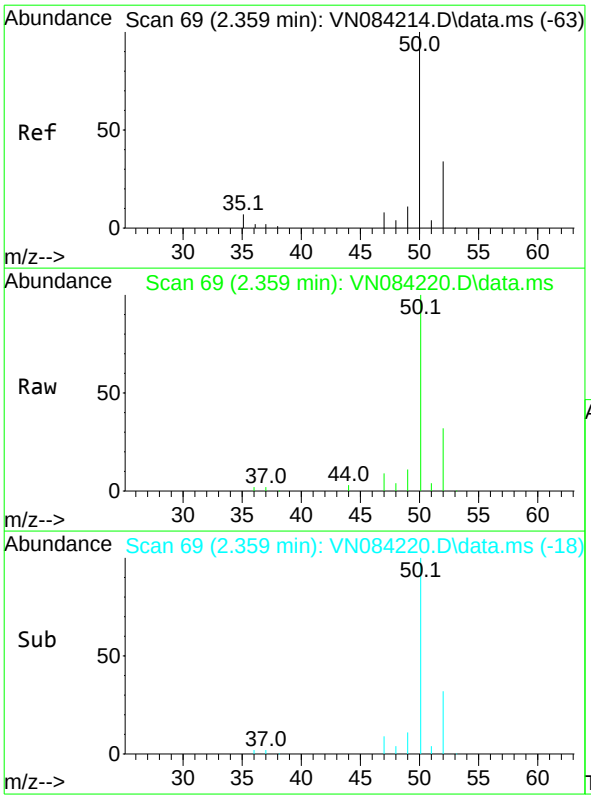


#2
Dichlorodifluoromethane
Concen: 52.712 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 85 Resp: 108641

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9

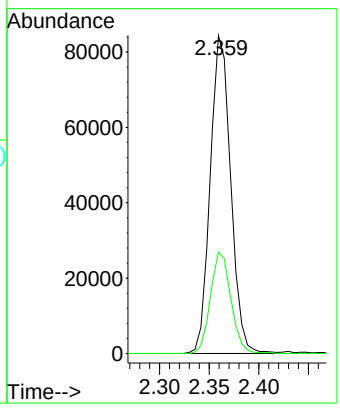




#3
Chloromethane
Concen: 51.477 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 50 Resp: 121140

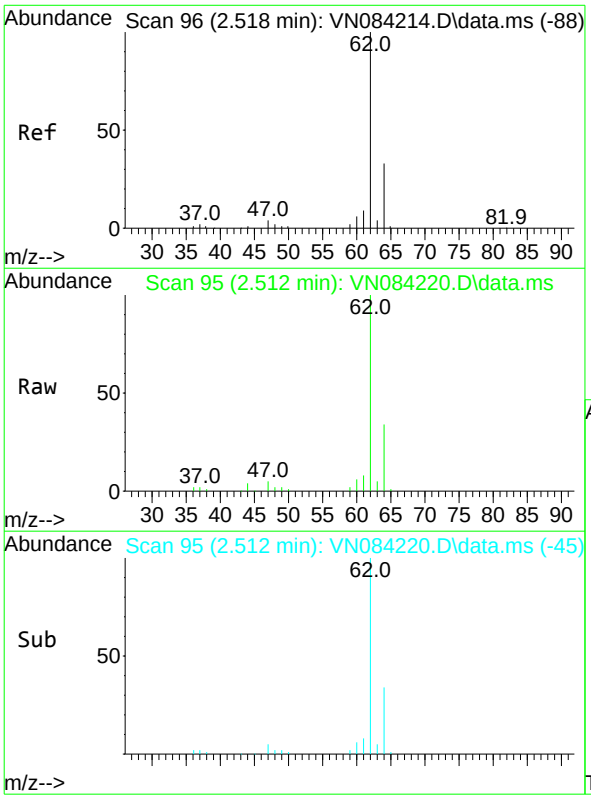
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

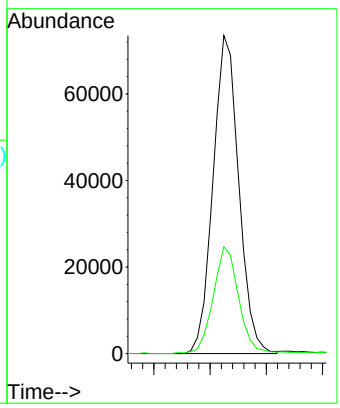
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

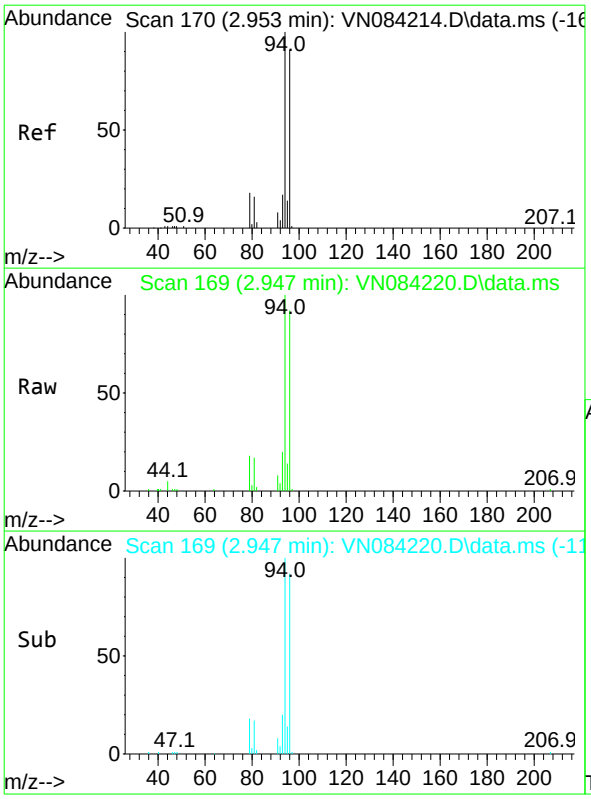


#4
Vinyl Chloride
Concen: 51.235 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 116792

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4

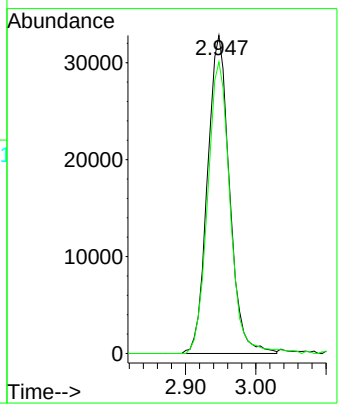




#5
Bromomethane
Concen: 47.656 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 94 Resp: 71654

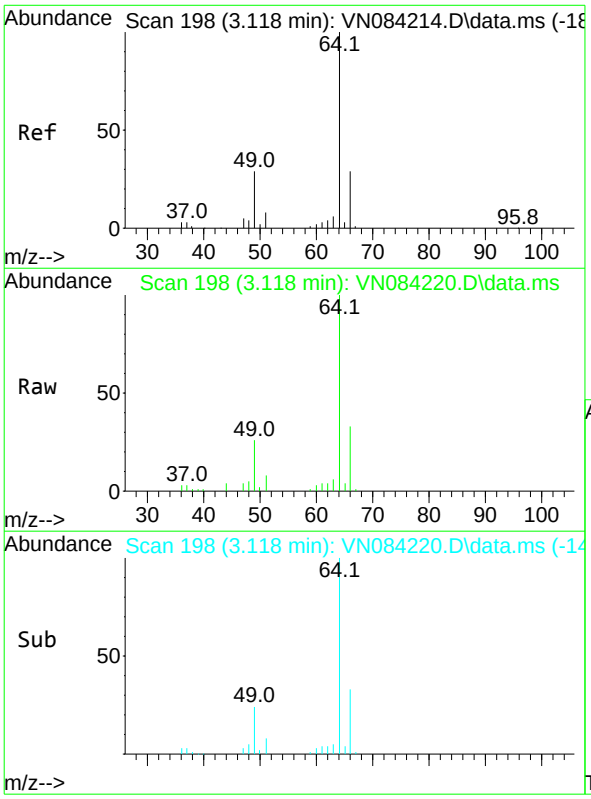
Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations
APPROVED

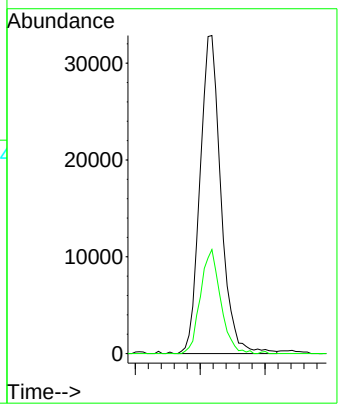
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

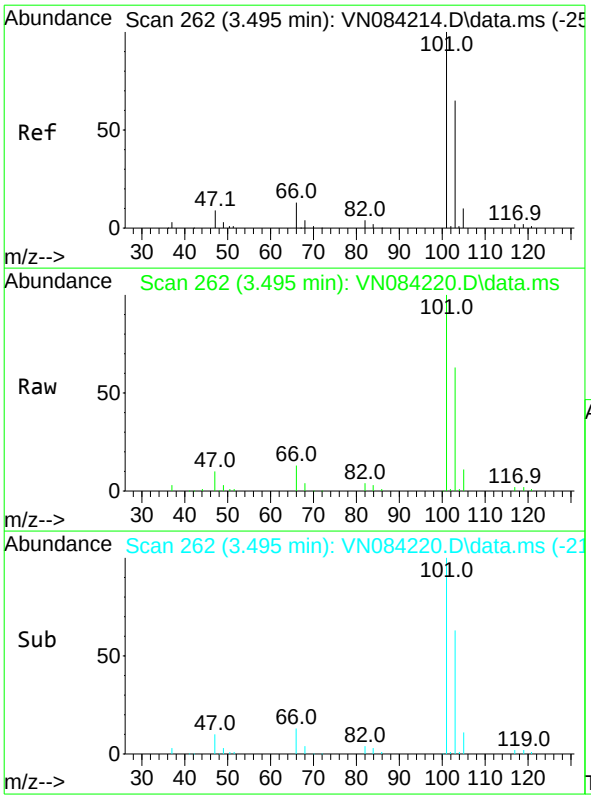


#6
Chloroethane
Concen: 45.119 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 64 Resp: 73658

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3

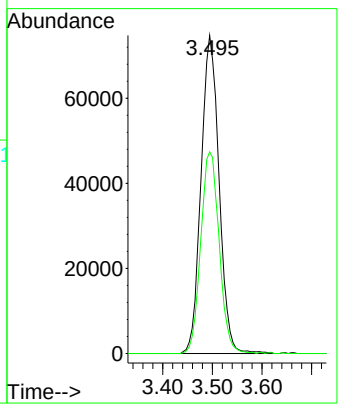




#7
Trichlorofluoromethane
Concen: 53.099 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:101 Resp: 188482

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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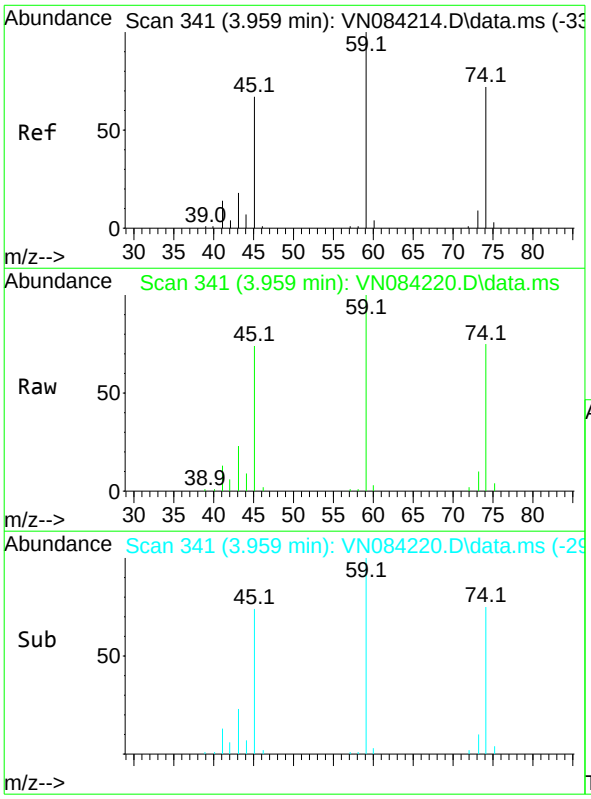
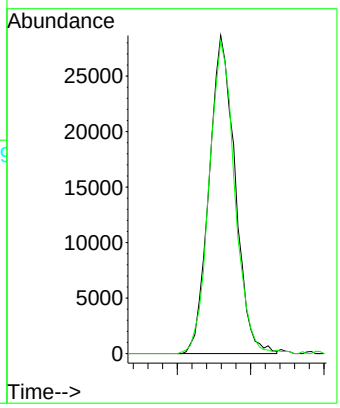
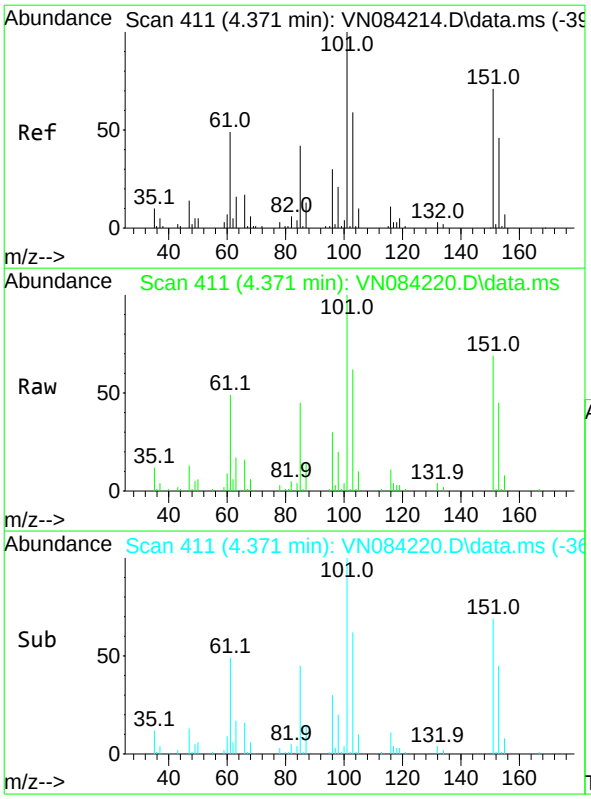


#8
Diethyl Ether
Concen: 53.445 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 74 Resp: 70360

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1

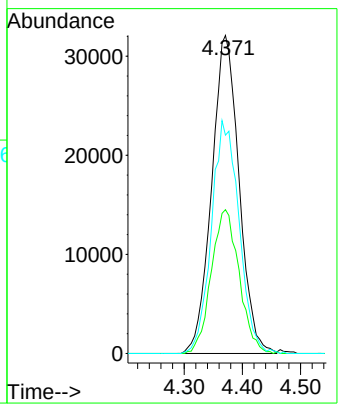




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.573 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:101 Resp: 104895

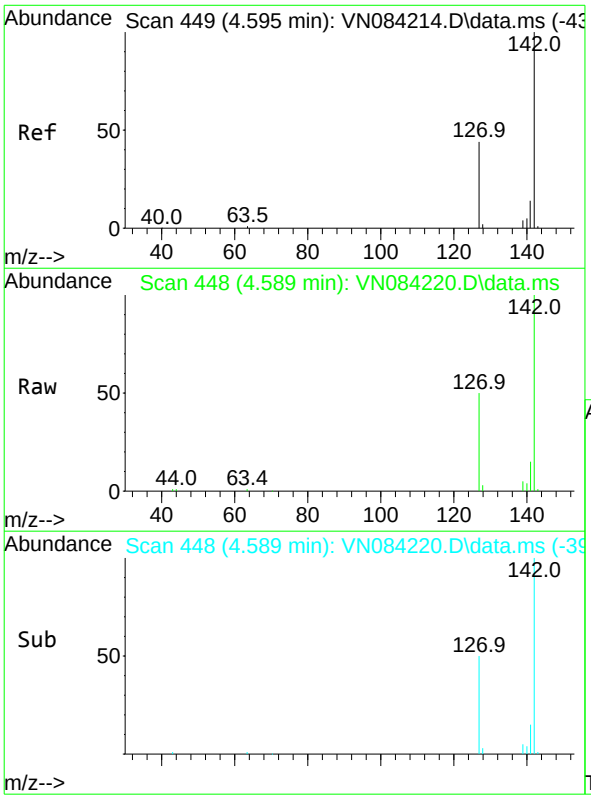
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	74.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

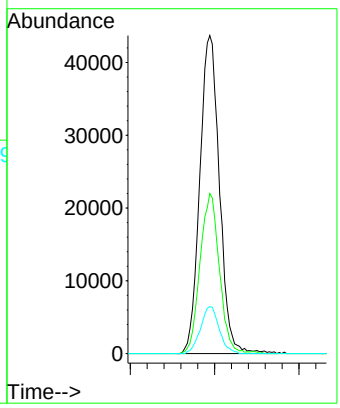
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

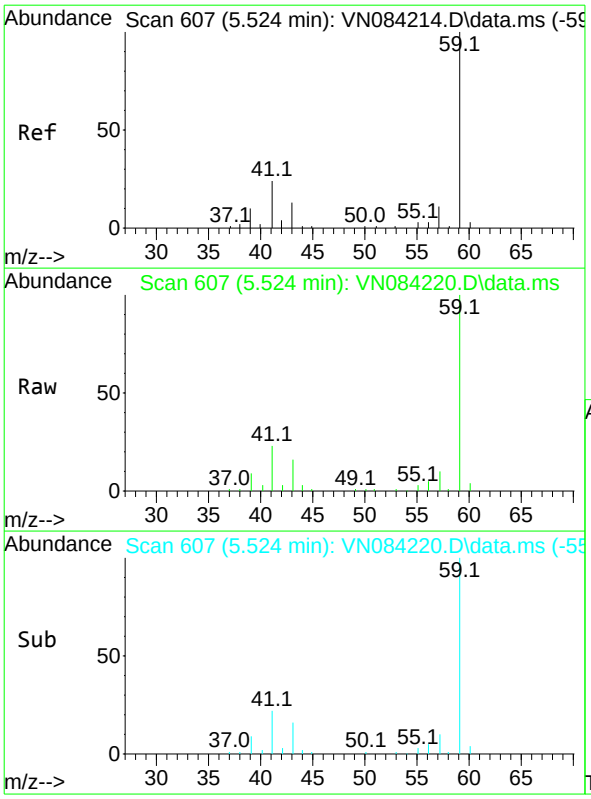


#10
Methyl Iodide
Concen: 53.996 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:142 Resp: 141430

Ion	Ratio	Lower	Upper
142	100		
127	50.3	35.3	52.9
141	14.7	11.0	16.6

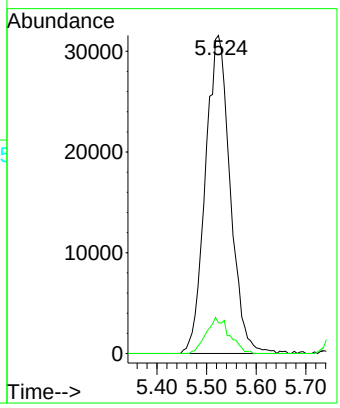




#11
Tert butyl alcohol
Concen: 257.154 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 59 Resp: 109545

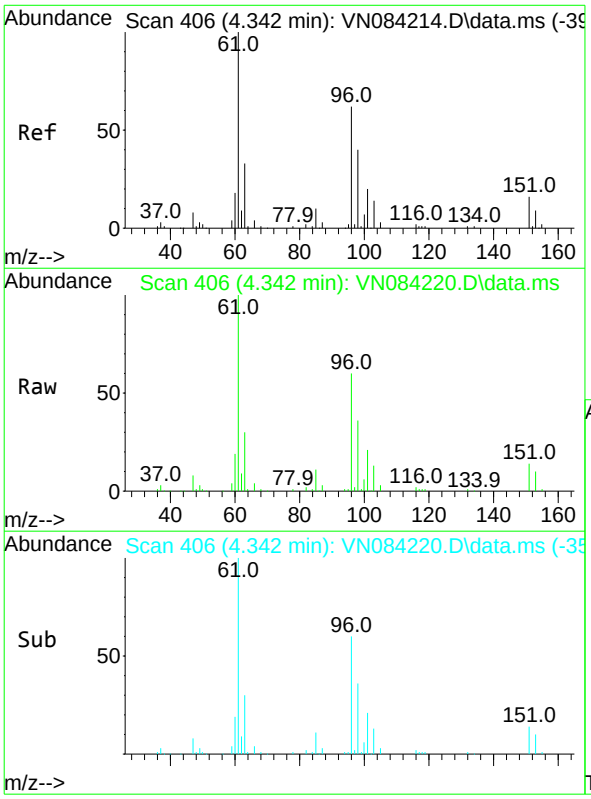
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

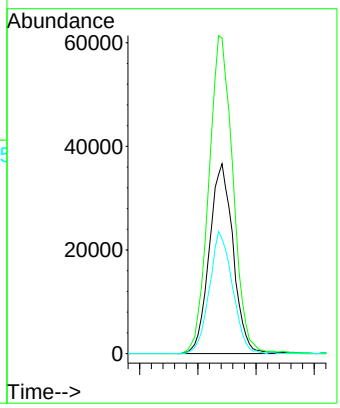
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

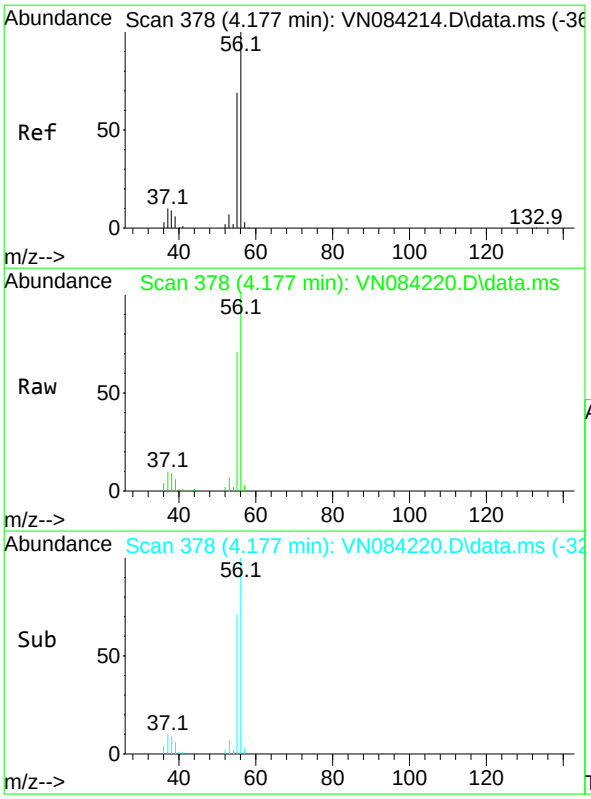


#12
1,1-Dichloroethene
Concen: 53.064 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 104103

Ion	Ratio	Lower	Upper
96	100		
61	166.3	128.6	192.8
98	60.4	51.7	77.5

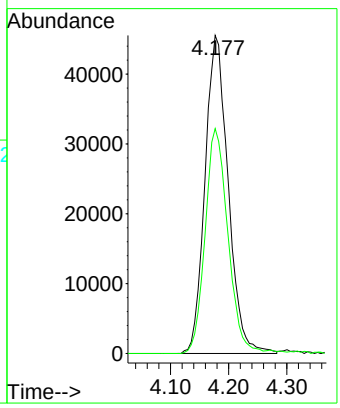




#13
Acrolein
Concen: 257.587 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 56 Resp: 125971

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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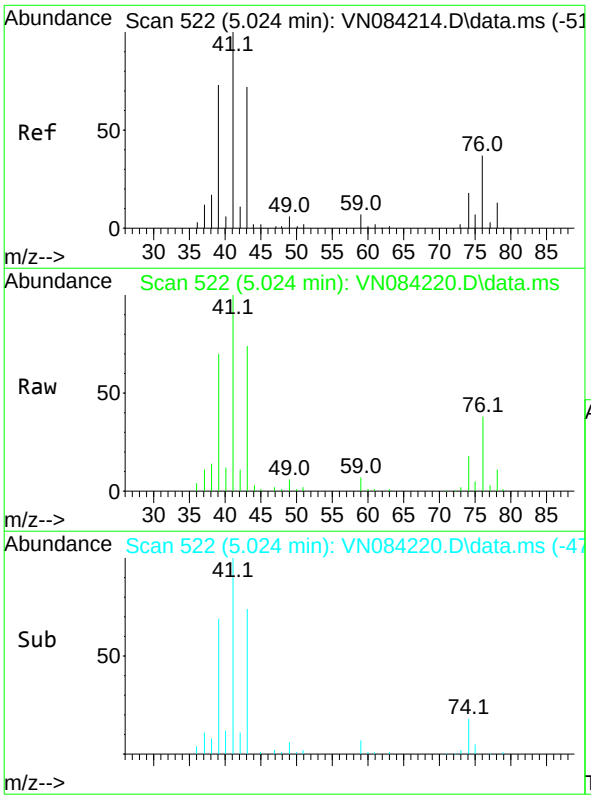
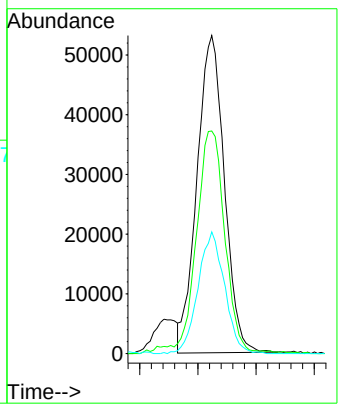
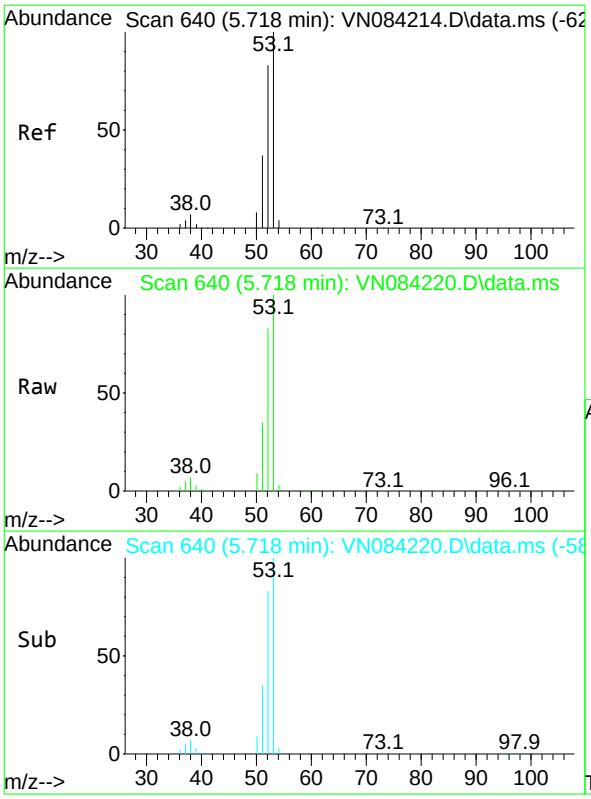


#14
Allyl chloride
Concen: 51.092 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 174077

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.0	88.6
76	37.1	29.8	44.6





#15
Acrylonitrile
Concen: 273.264 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 53 Resp: 293962

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.4
51	35.7	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2024
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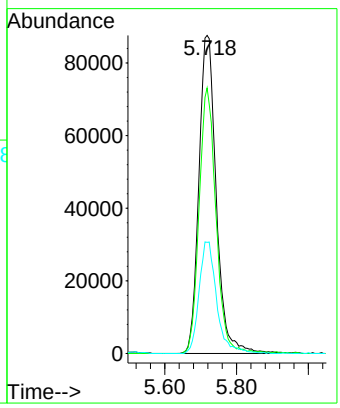
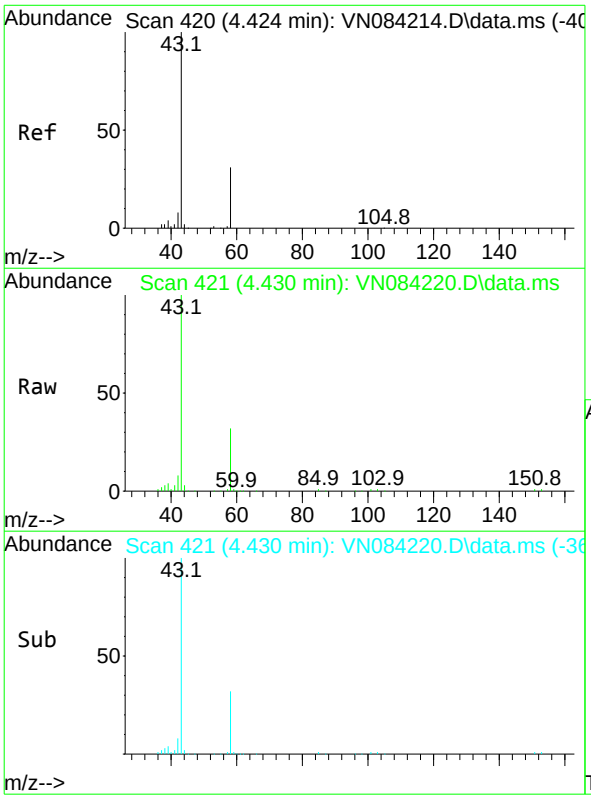
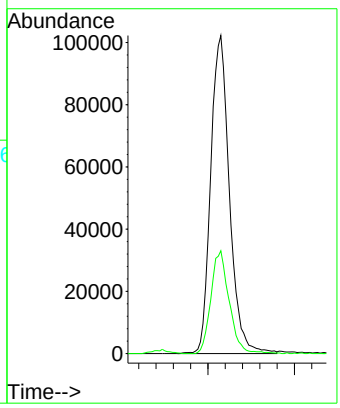


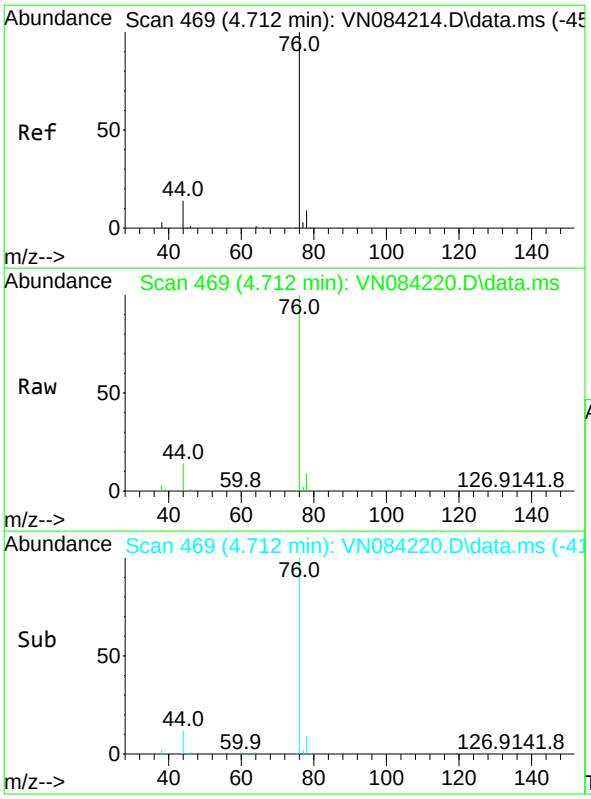


#16
Acetone
Concen: 277.547 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 308020

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6

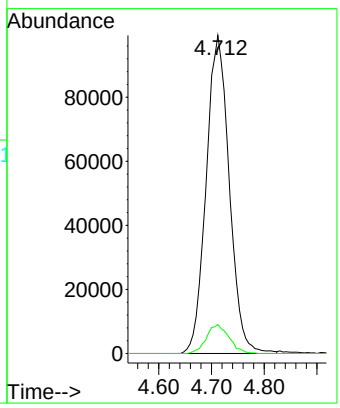




#17
Carbon Disulfide
Concen: 48.693 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 76 Resp: 302450

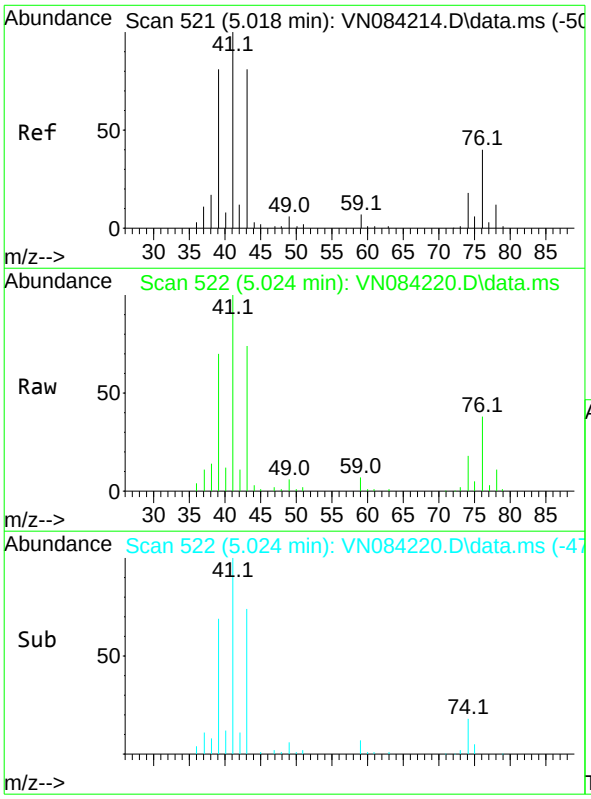
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

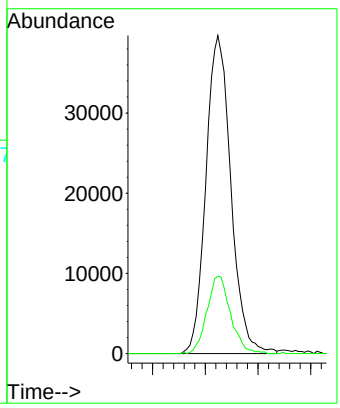
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

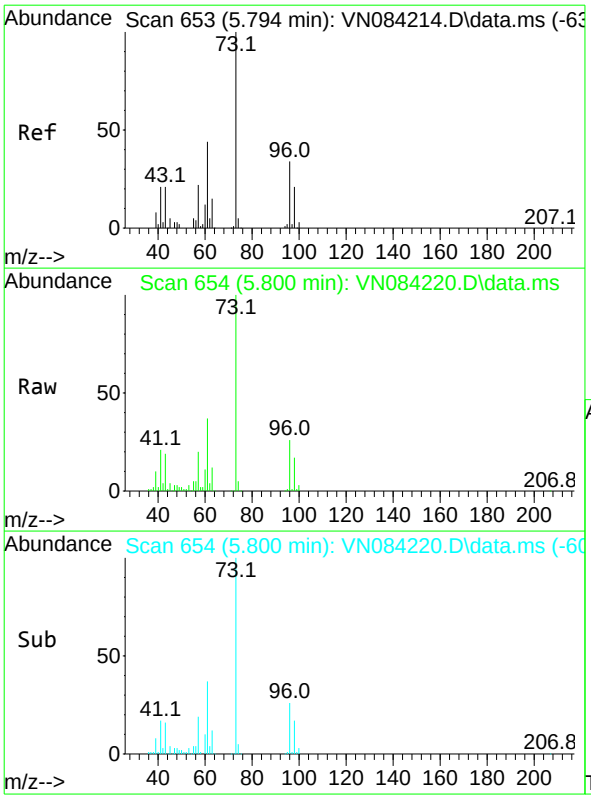


#18
Methyl Acetate
Concen: 53.948 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 130494

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8

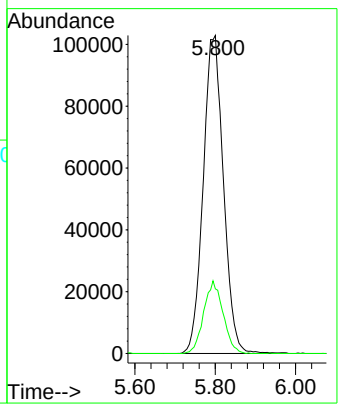




#19
Methyl tert-butyl Ether
Concen: 54.371 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 73 Resp: 360019

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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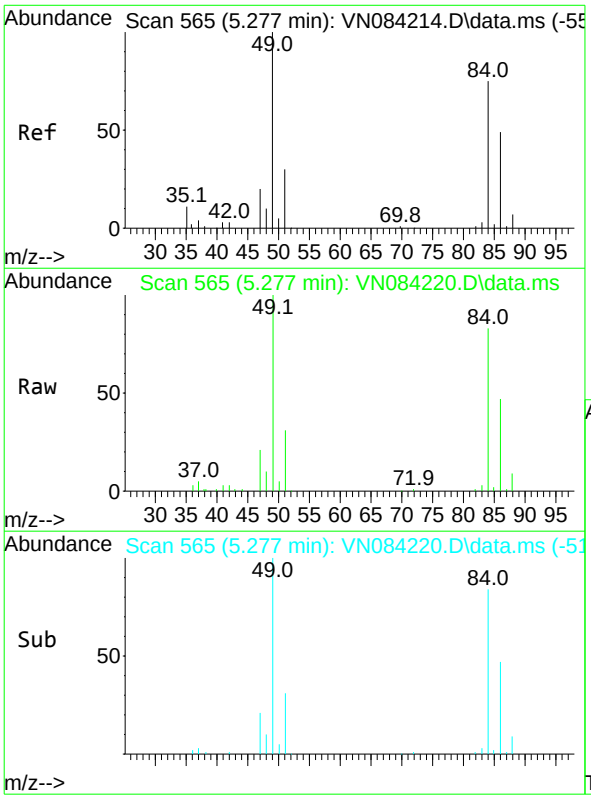
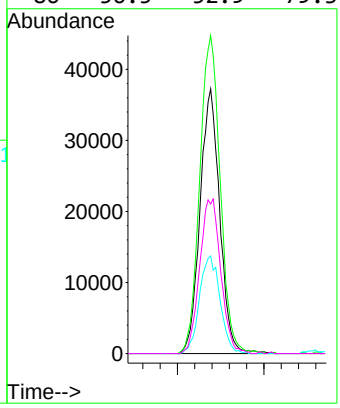
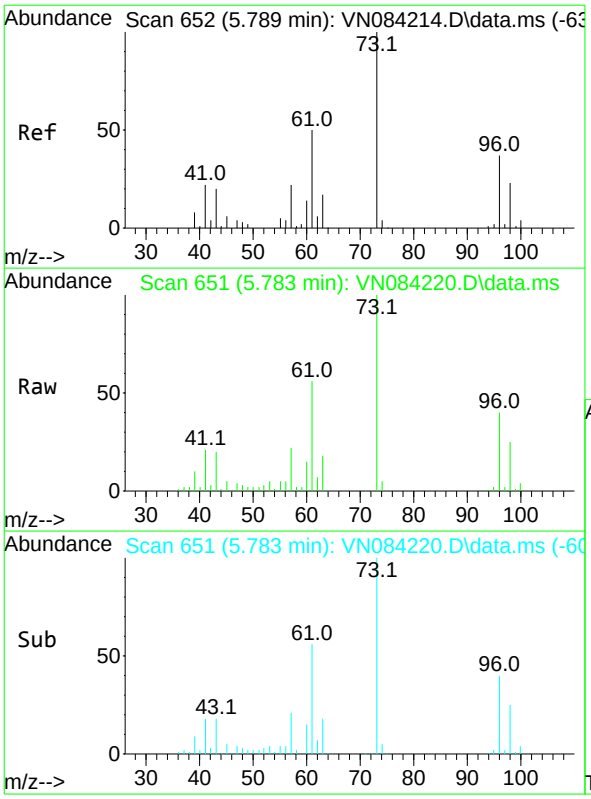


#20
Methylene Chloride
Concen: 52.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 84 Resp: 117572

Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.9	31.8	47.8
86	56.5	52.9	79.3

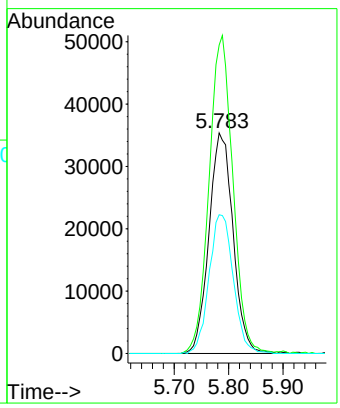




#21
trans-1,2-Dichloroethene
Concen: 52.980 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 108894

Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	62.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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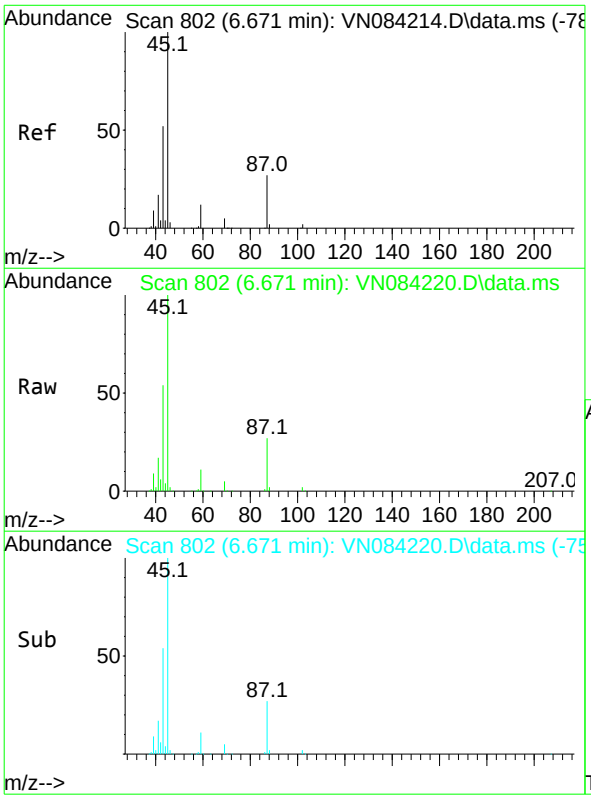
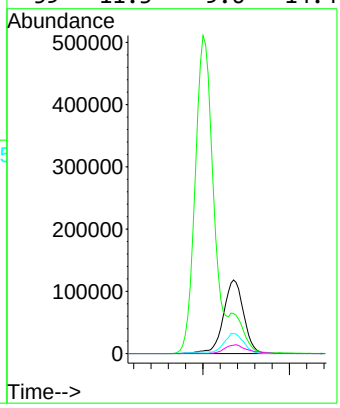
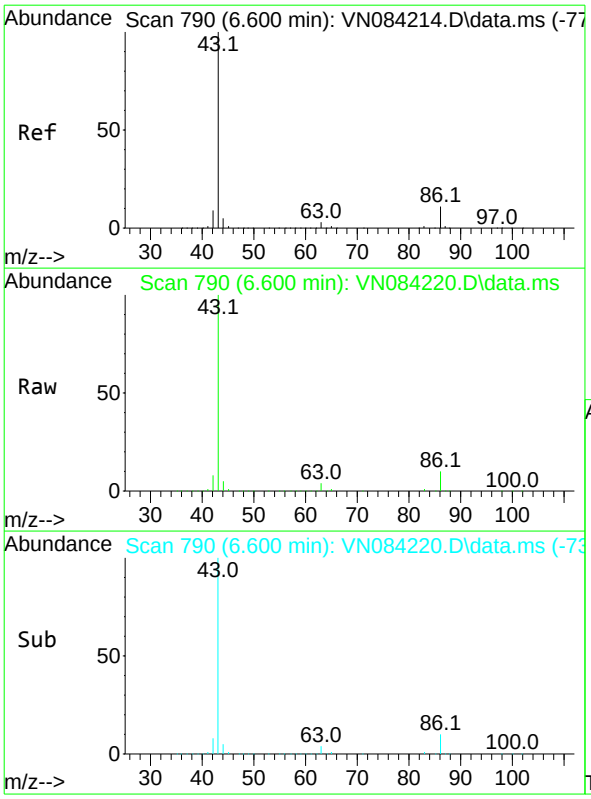


#22
Diisopropyl ether
Concen: 54.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 45 Resp: 384647

Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.3	63.5
87	27.0	21.8	32.6
59	11.3	9.6	14.4

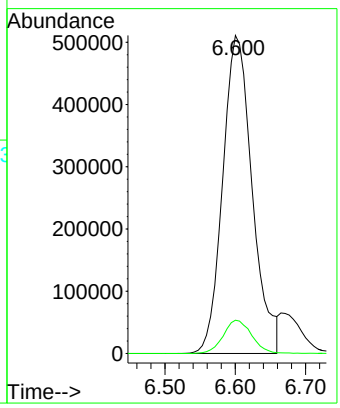




#23
Vinyl Acetate
Concen: 285.569 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 1492704

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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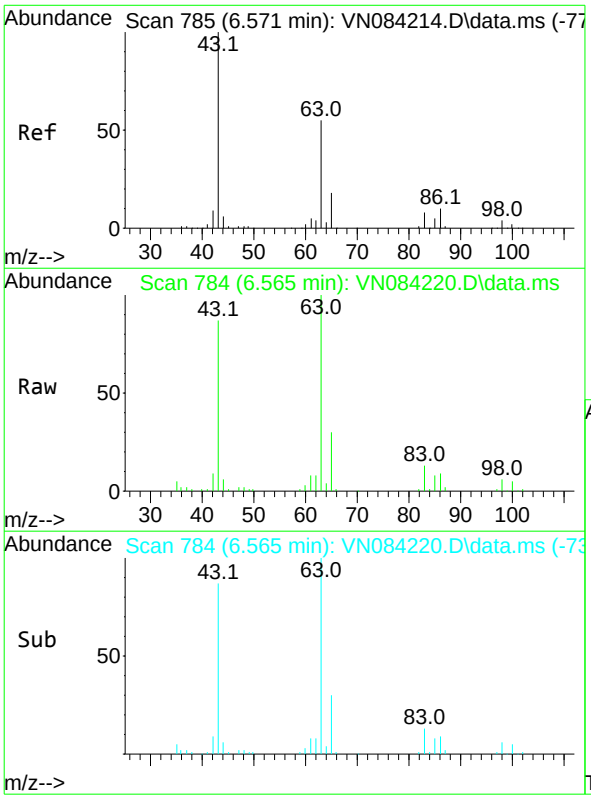
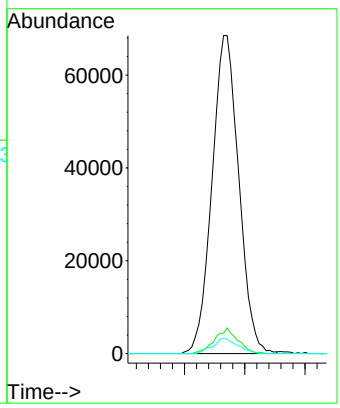
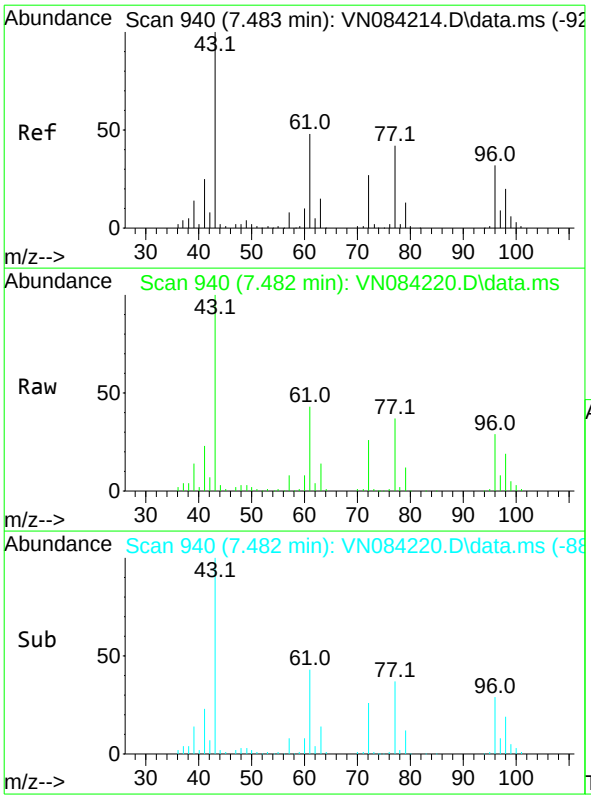


#24
1,1-Dichloroethane
Concen: 53.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 211544

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.9	2.0	5.8

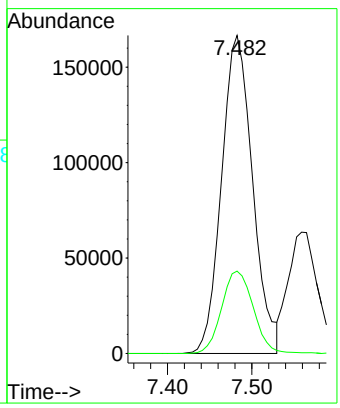




#25
2-Butanone
Concen: 282.397 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 426860

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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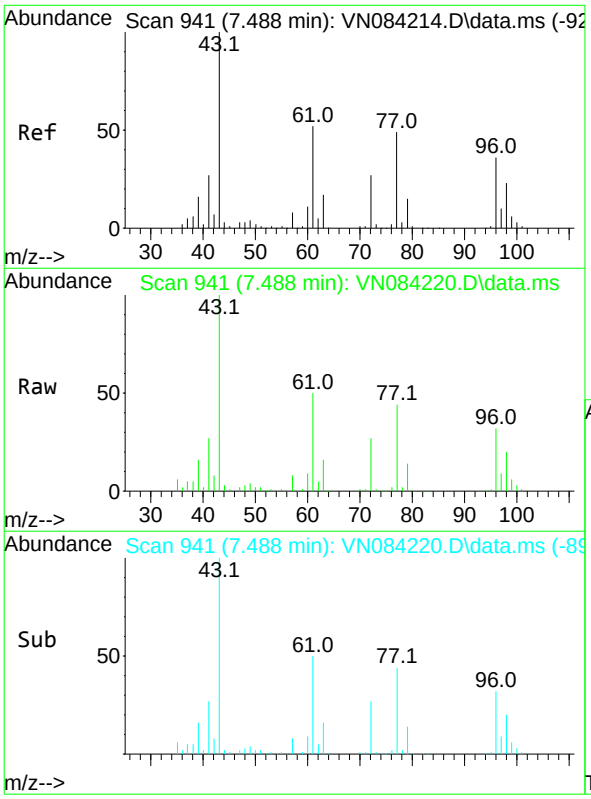
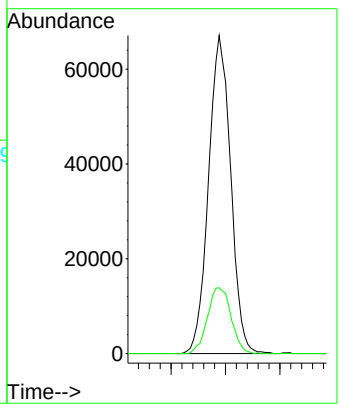
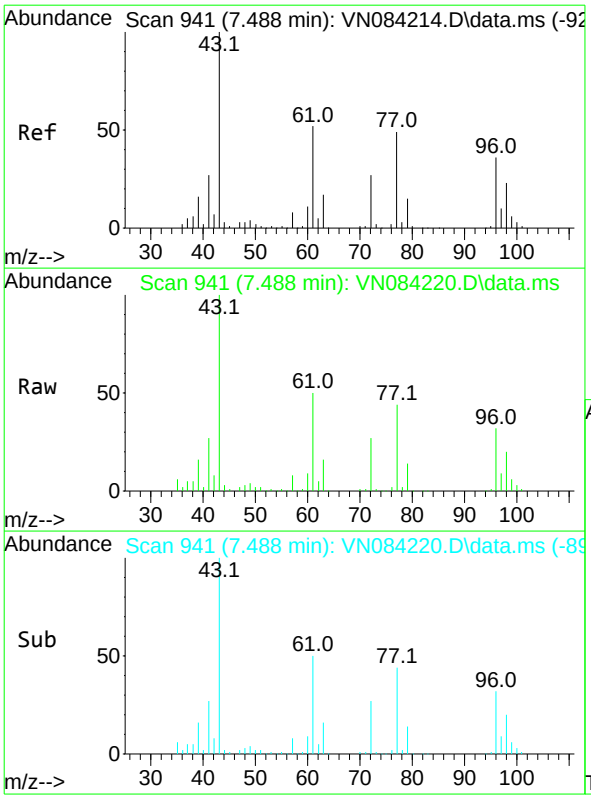


#26
2,2-Dichloropropane
Concen: 53.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 77 Resp: 189858

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

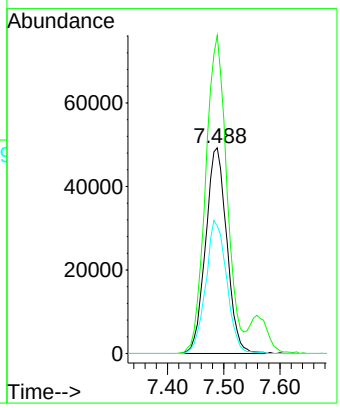




#27
cis-1,2-Dichloroethene
Concen: 51.876 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 128843

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	301.8
98	64.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
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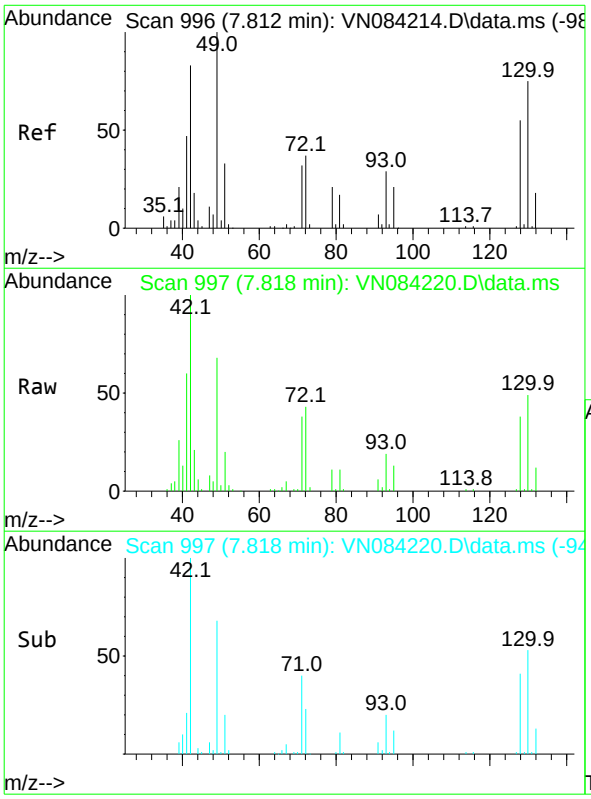
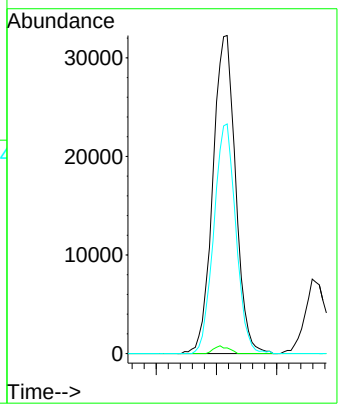
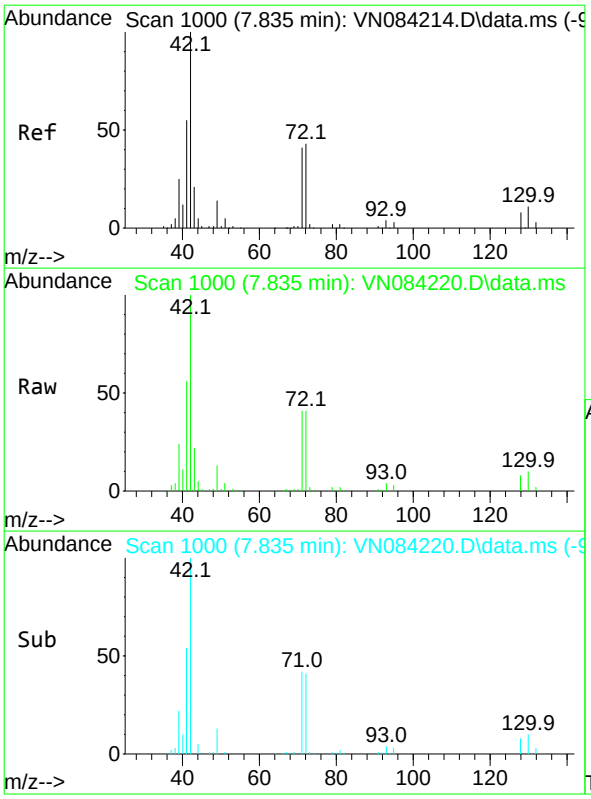


#28
Bromochloromethane
Concen: 48.129 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 49 Resp: 84632

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	70.0	58.0	87.0

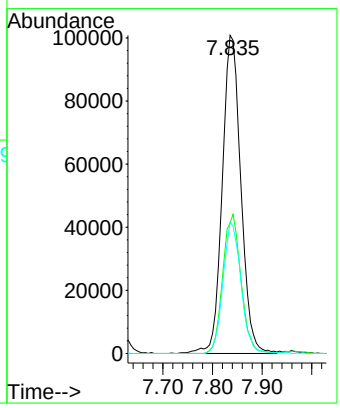




#29
Tetrahydrofuran
Concen: 281.940 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 42 Resp: 262996

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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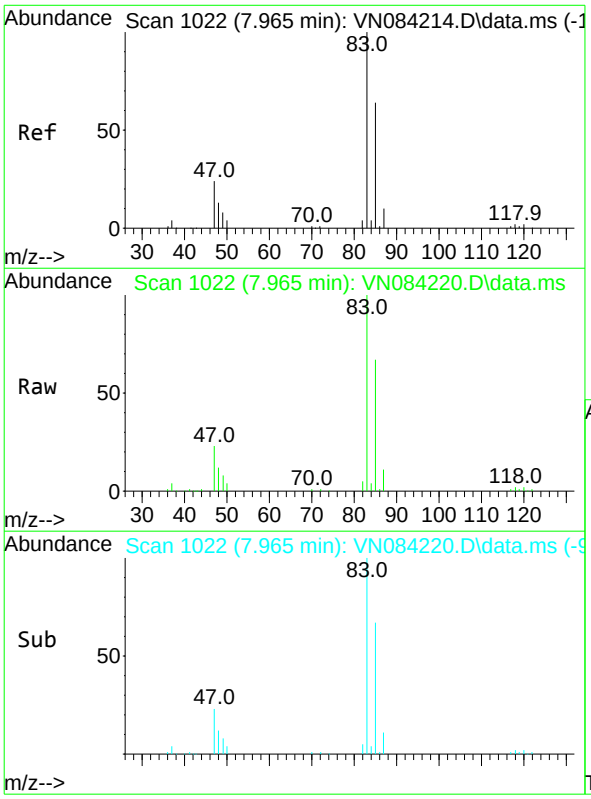
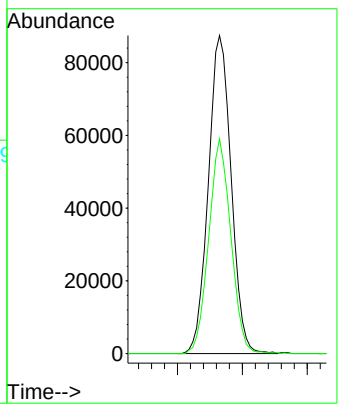
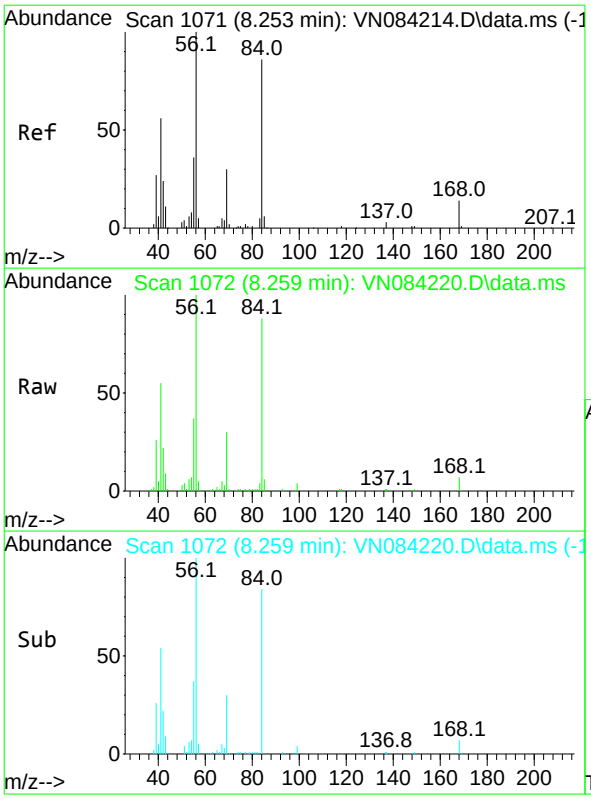


#30
Chloroform
Concen: 52.184 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 213634

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4

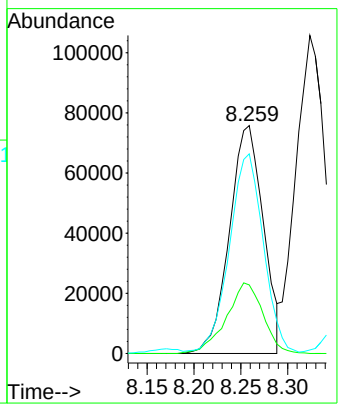




#31
Cyclohexane
Concen: 49.809 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 56 Resp: 190602

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	85.8	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
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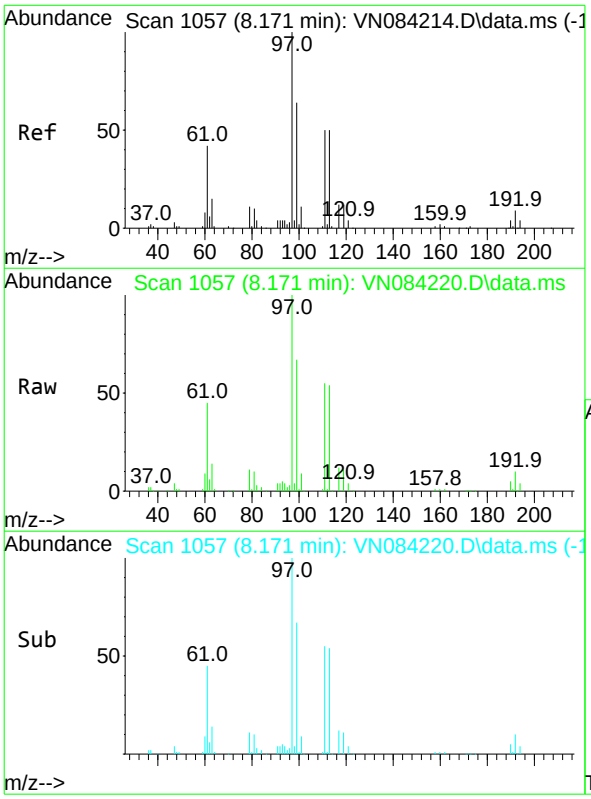
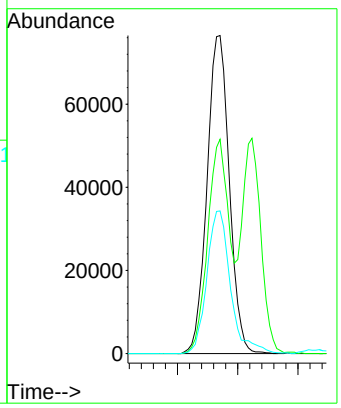
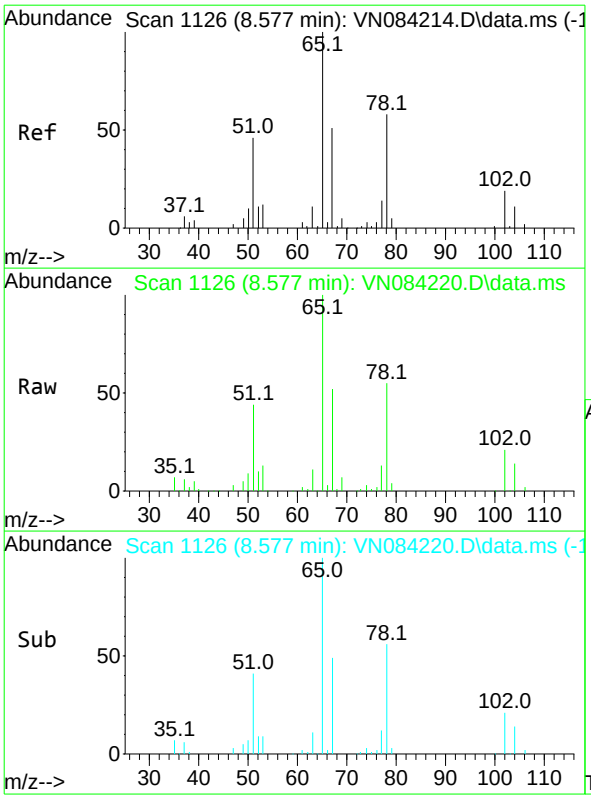


#32
1,1,1-Trichloroethane
Concen: 53.395 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 97 Resp: 196319

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	47.6	37.5	56.3

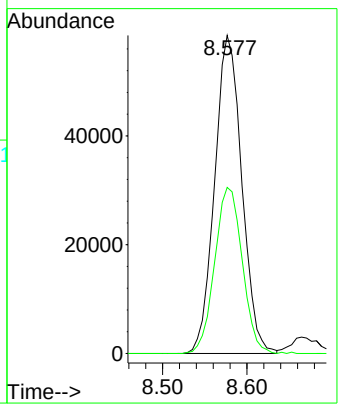




#33
1,2-Dichloroethane-d4
Concen: 50.564 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 65 Resp: 130630

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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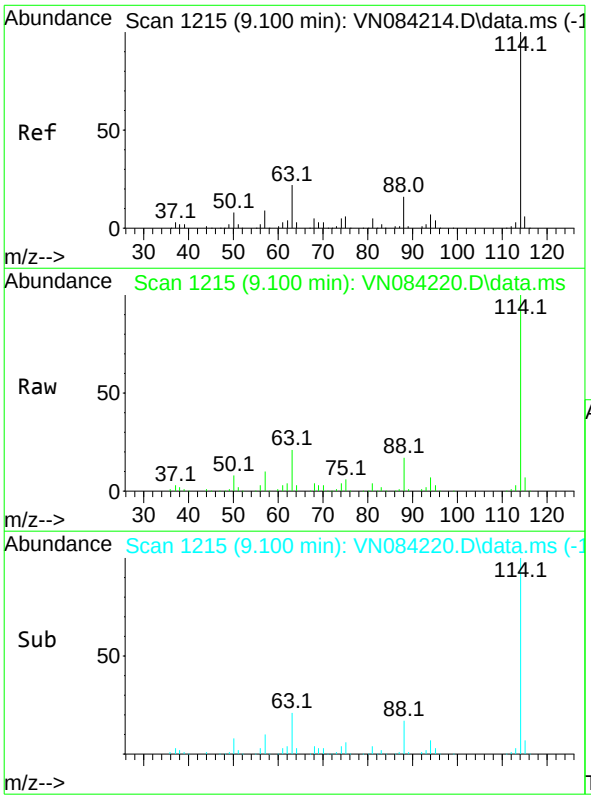
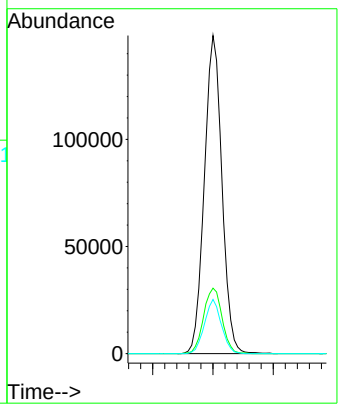
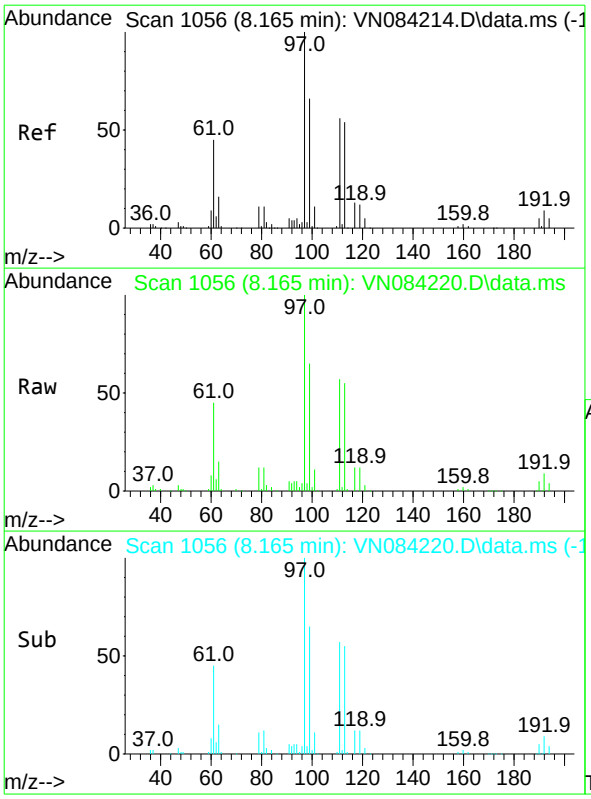


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:114 Resp: 300916

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	17.0	0.0	31.6

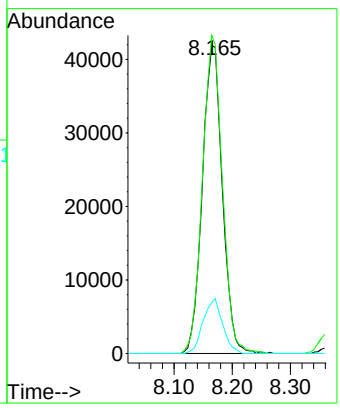




#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:113 Resp: 100200

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.3	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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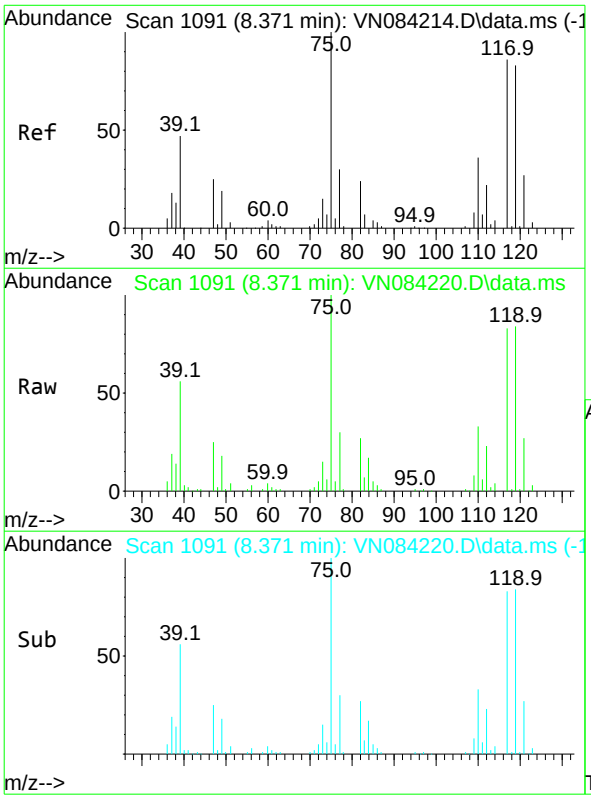
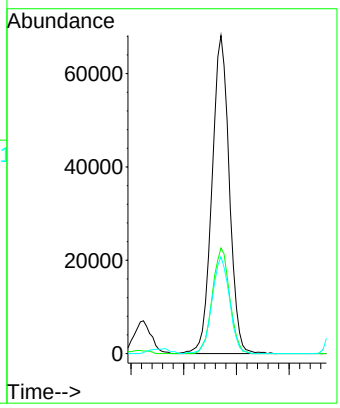
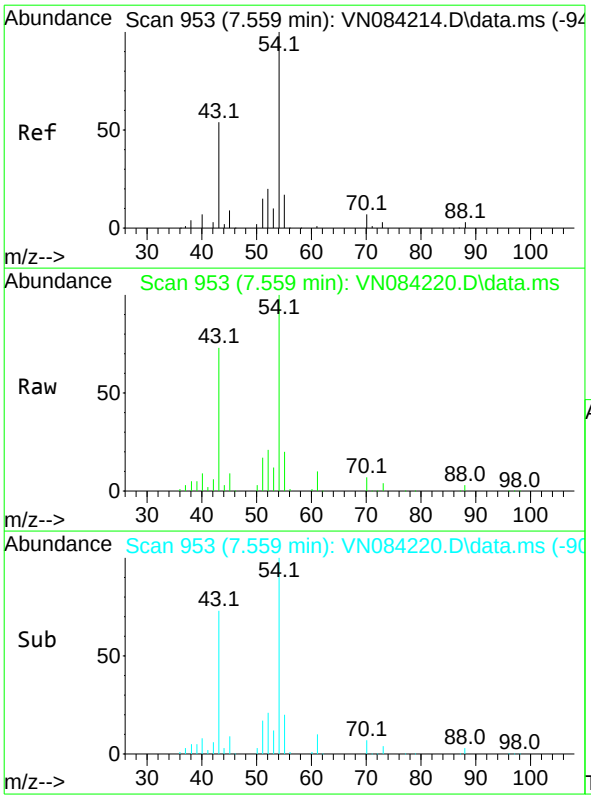


#36
1,1-Dichloropropene
Concen: 53.917 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 155365

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	30.7	24.7	37.1

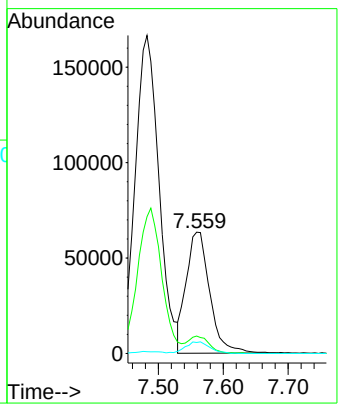




#37
Ethyl Acetate
Concen: 54.043 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 159764

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
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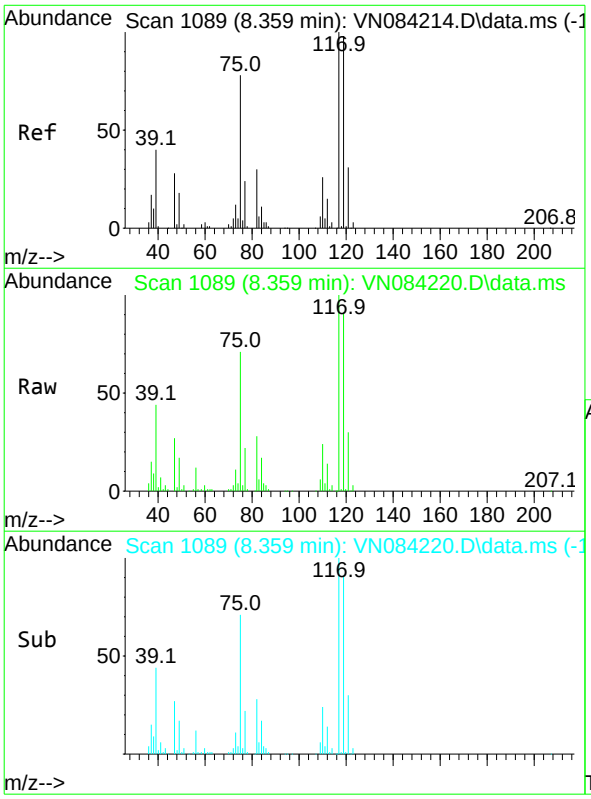
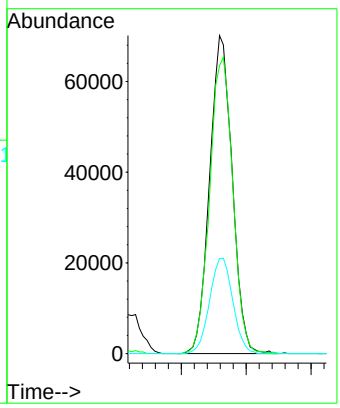
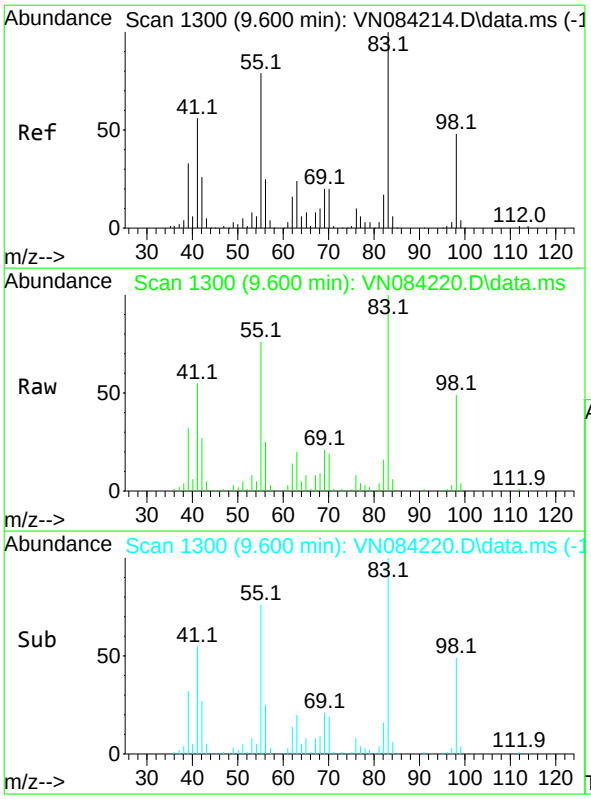


#38
Carbon Tetrachloride
Concen: 53.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 169403

Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.7	118.1
121	29.9	24.4	36.6

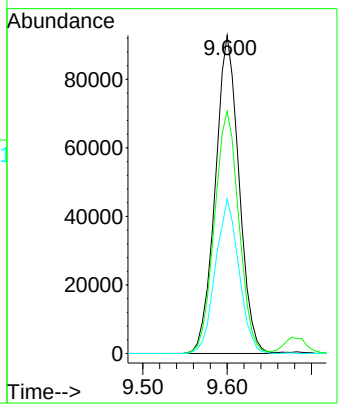




#39
Methylcyclohexane
Concen: 56.648 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 181676

Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.8	94.2
98	48.6	38.8	58.2



Instrument :
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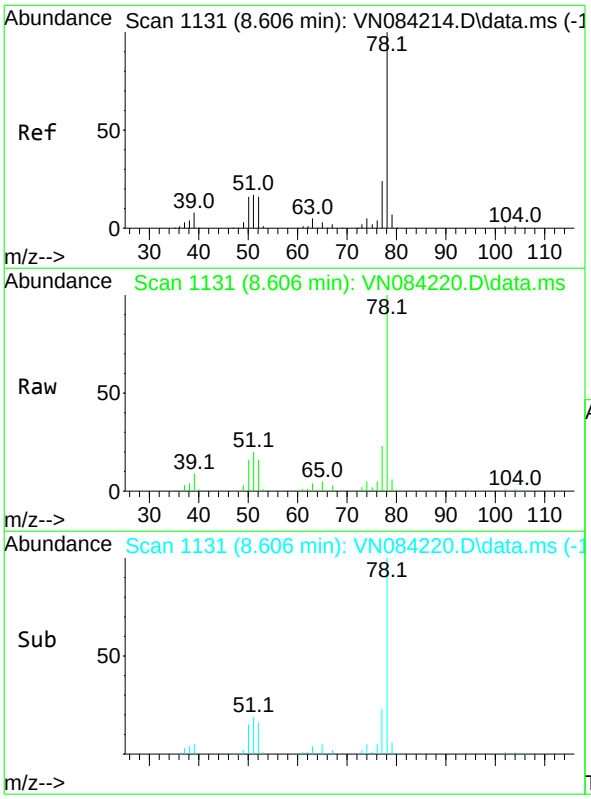
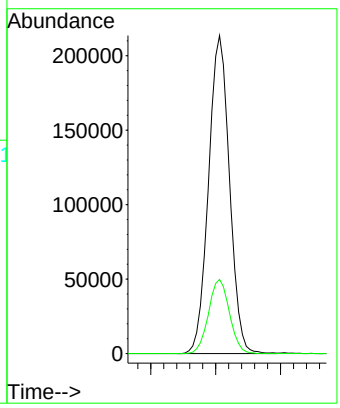
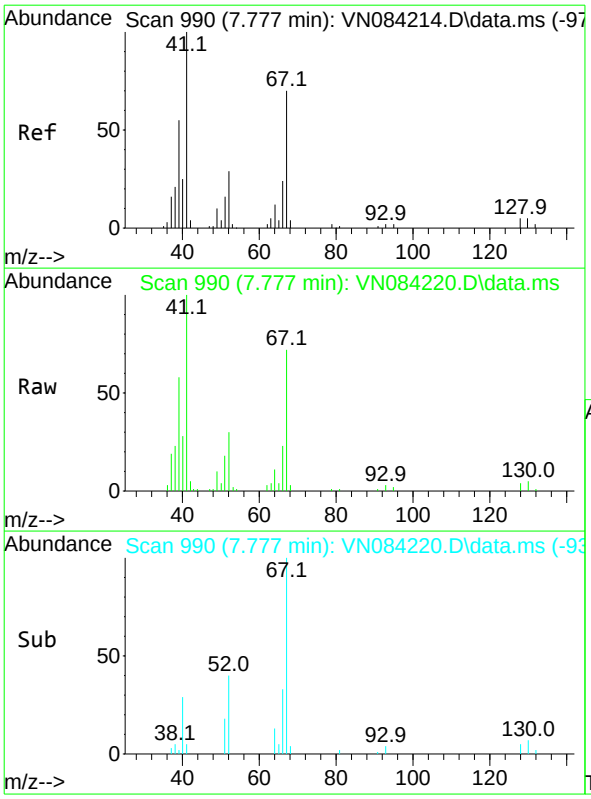


#40
Benzene
Concen: 53.301 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 78 Resp: 478538

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

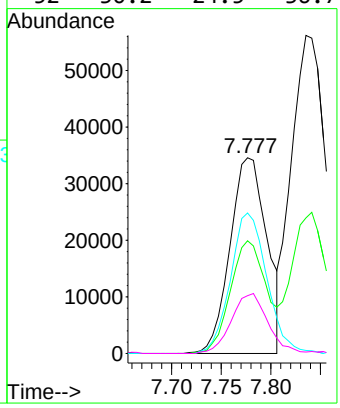




#41
Methacrylonitrile
Concen: 55.708 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 89407

Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.3	64.9
67	70.8	56.1	84.1
52	30.2	24.5	36.7



Instrument :
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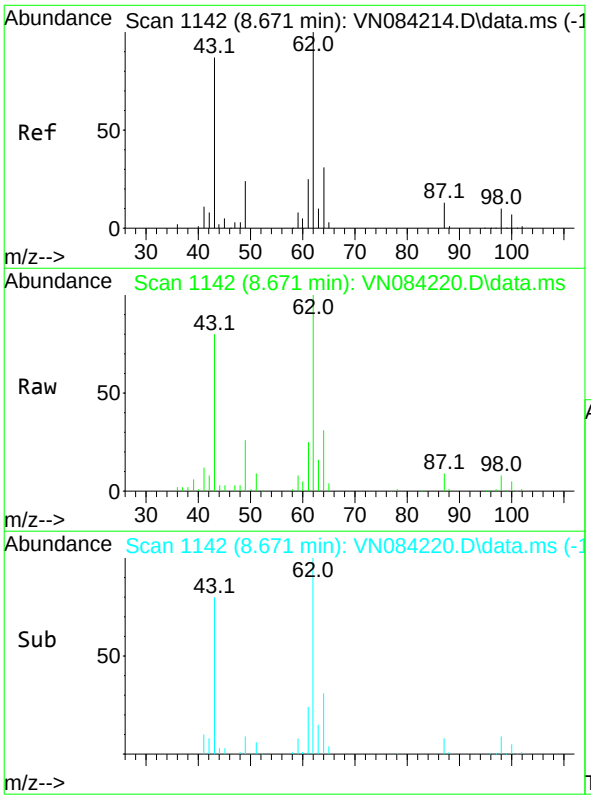
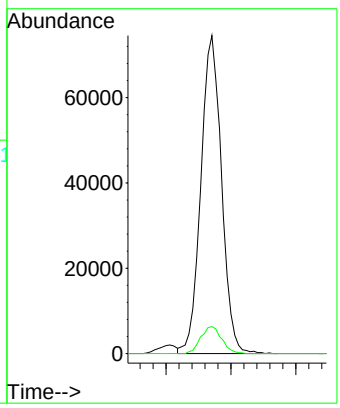
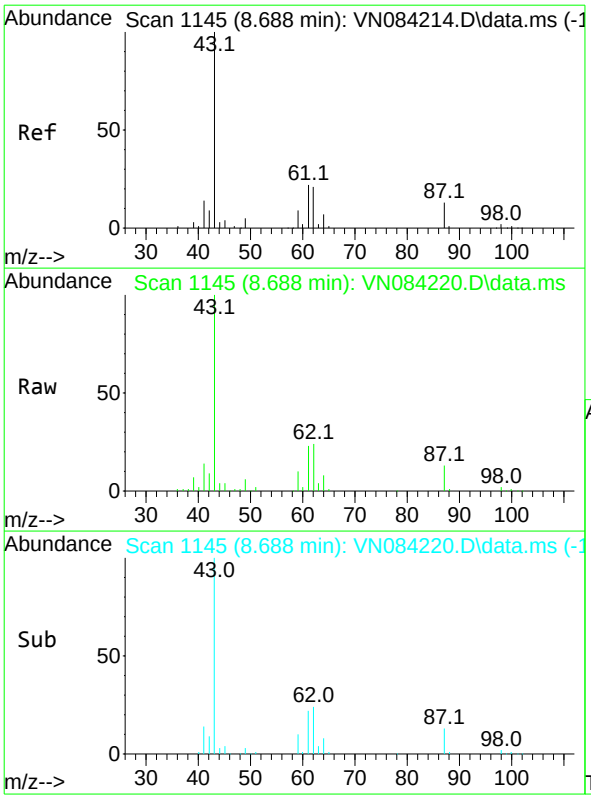


#42
1,2-Dichloroethane
Concen: 54.131 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 164758

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

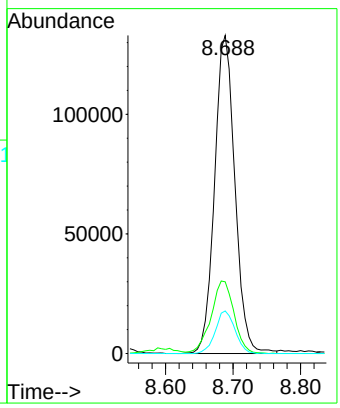




#43
Isopropyl Acetate
Concen: 48.126 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 278668

Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.4	30.6
87	12.9	10.3	15.5



Instrument :
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ClientSampleId :
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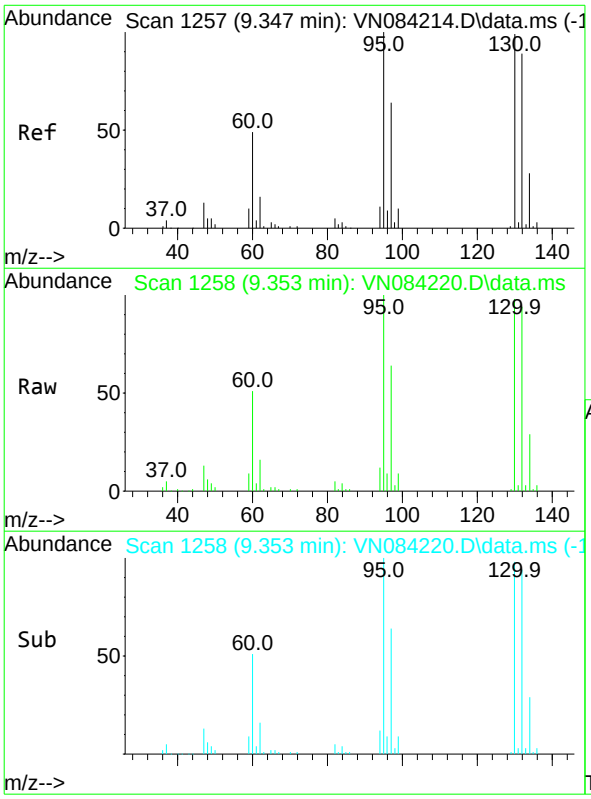
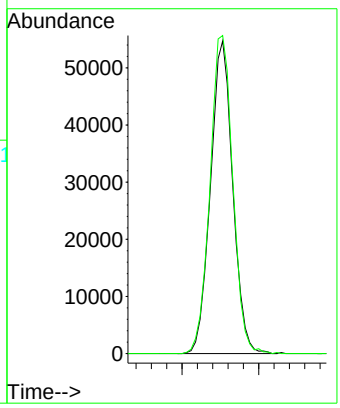
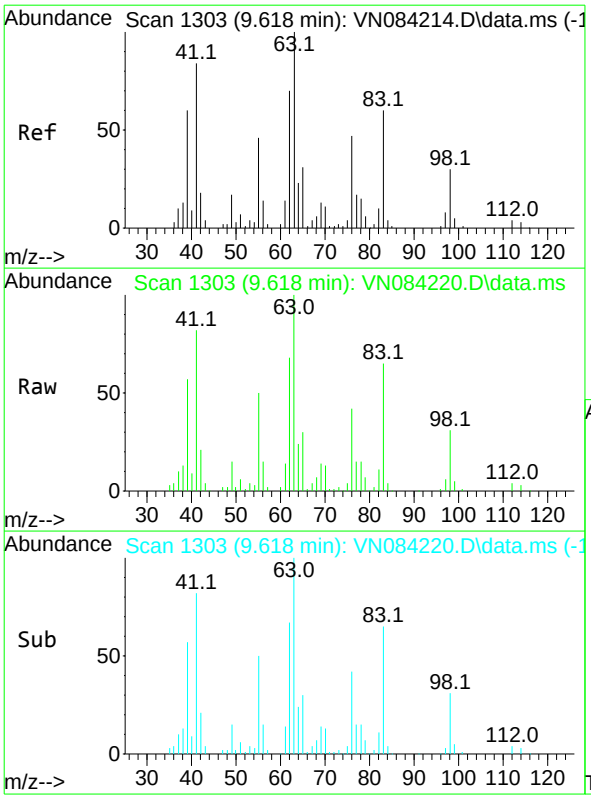


#44
Trichloroethene
Concen: 52.368 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:130 Resp: 109810

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0

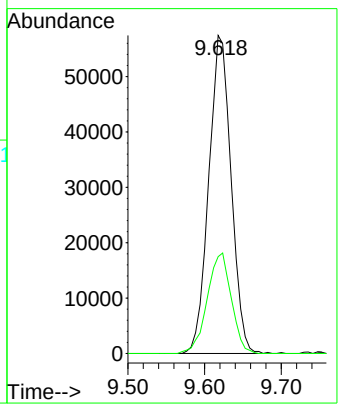




#45
1,2-Dichloropropane
Concen: 54.694 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 116161

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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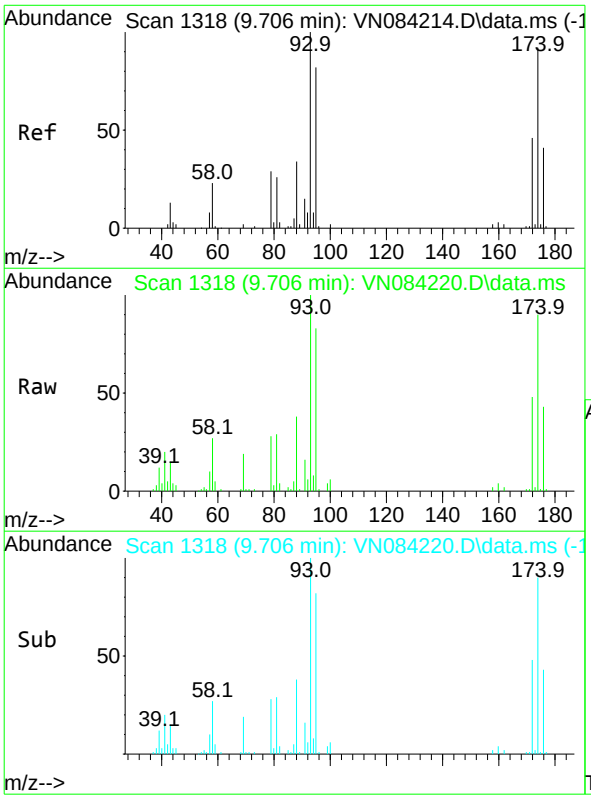
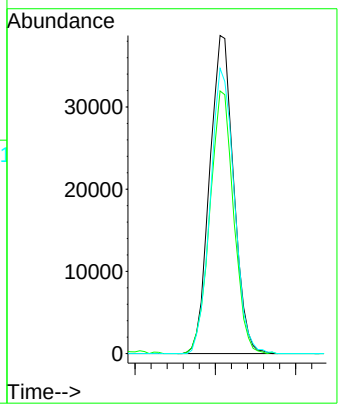
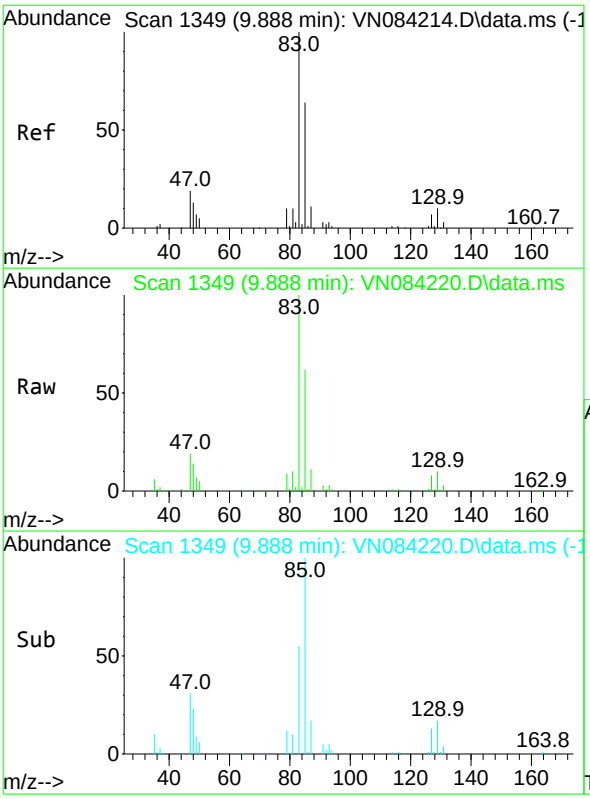


#46
Dibromomethane
Concen: 56.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 93 Resp: 80284

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	89.6	71.8	107.8

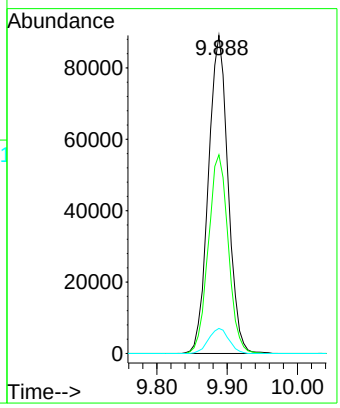




#47
Bromodichloromethane
Concen: 54.335 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 173015

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3
127	7.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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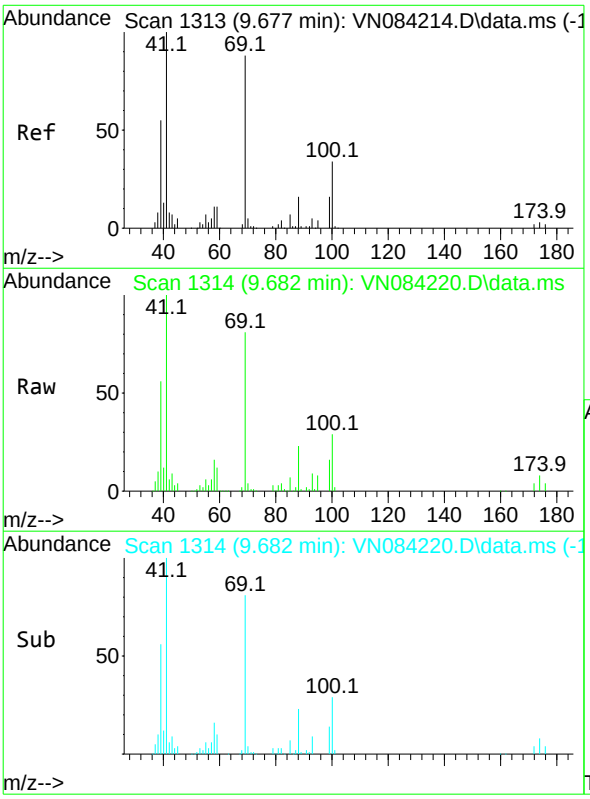
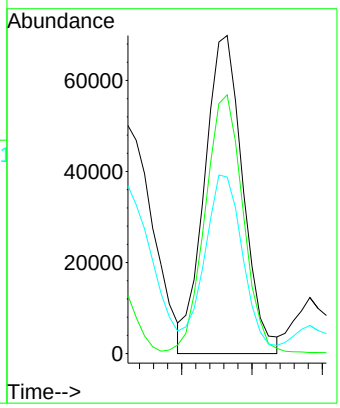
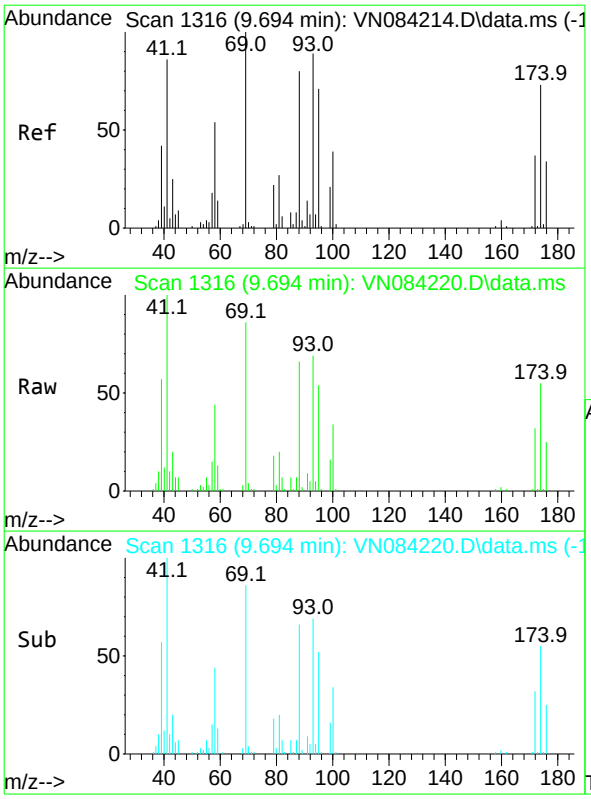


#48
Methyl methacrylate
Concen: 57.391 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 132287

Ion	Ratio	Lower	Upper
41	100		
69	81.0	67.1	100.7
39	56.9	45.8	68.6

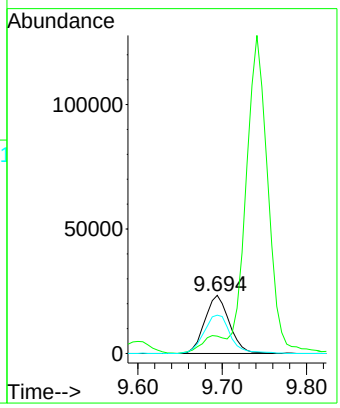




#49
1,4-Dioxane
Concen: 1111.545 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 88 Resp: 47169

Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	71.7	56.4	84.6



Instrument :
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ClientSampleId :
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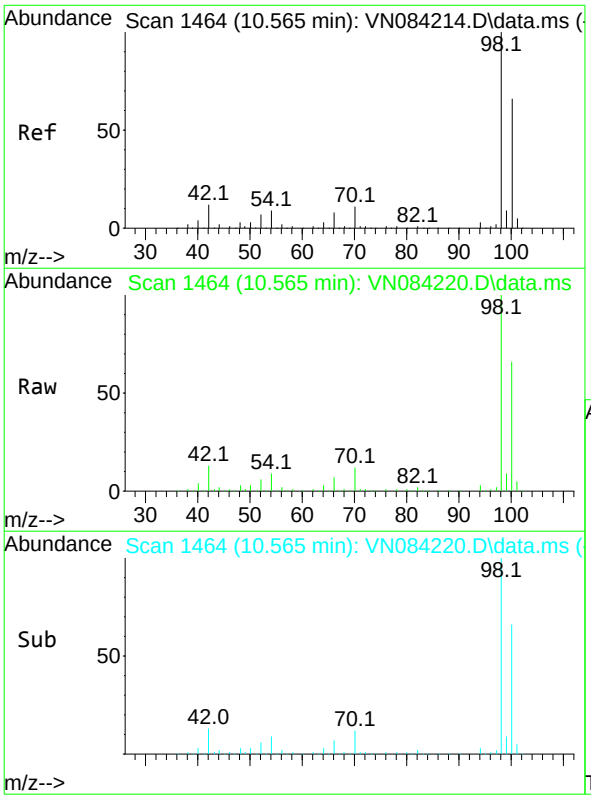
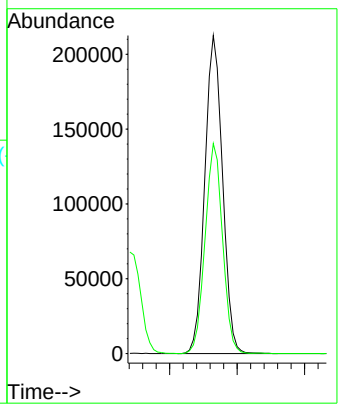
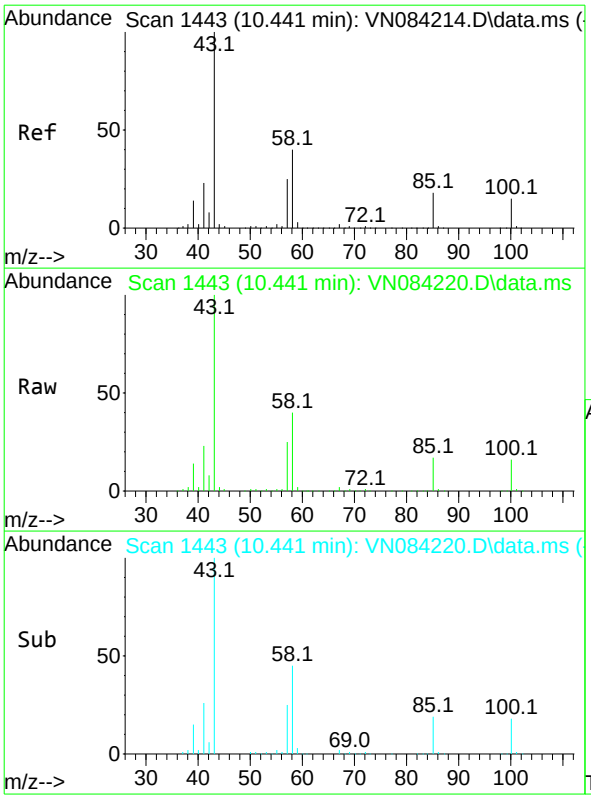


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 98 Resp: 387775

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

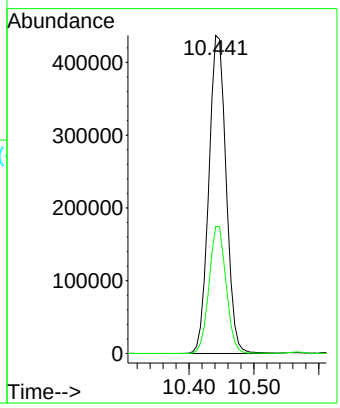




#51
4-Methyl-2-Pentanone
Concen: 287.336 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 808630

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4



Instrument :
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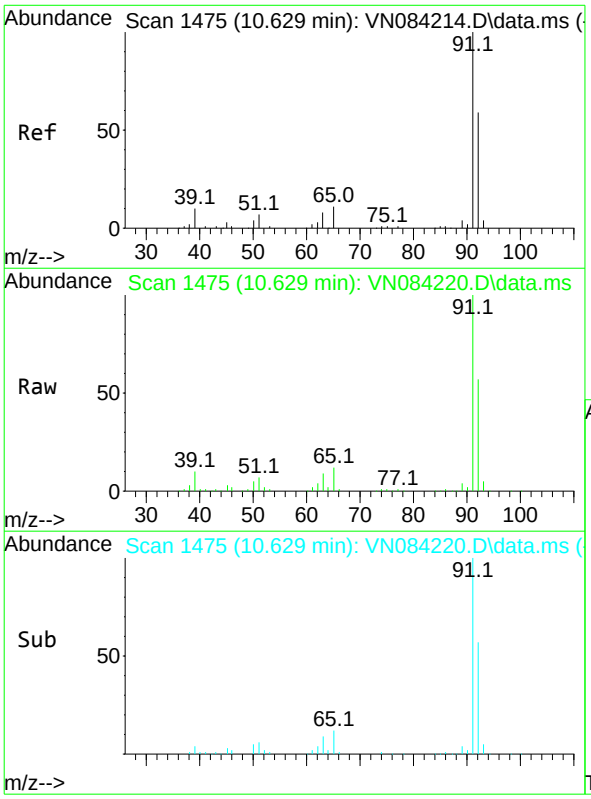
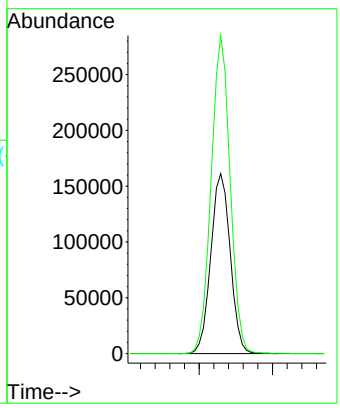
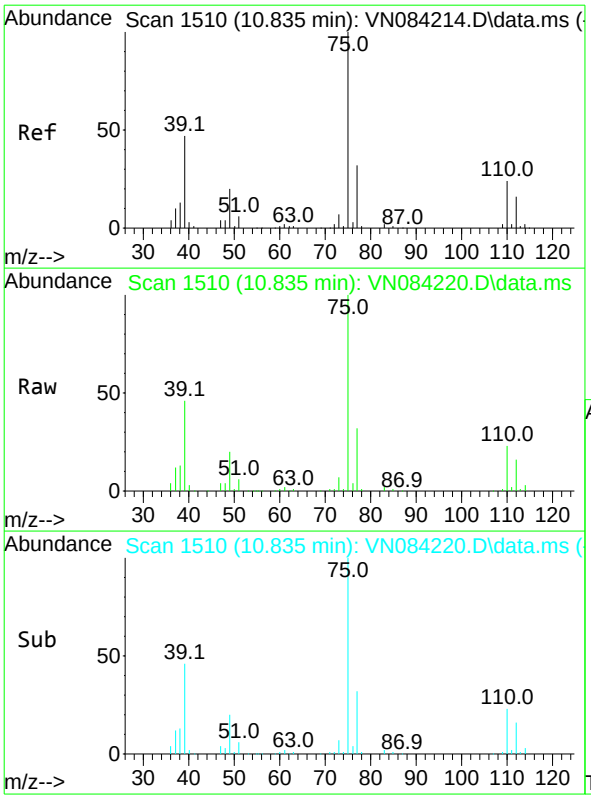


#52
Toluene
Concen: 54.185 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 92 Resp: 296651

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9

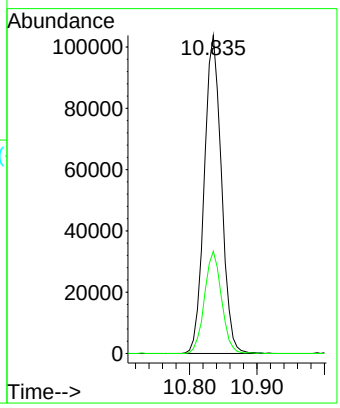




#53
t-1,3-Dichloropropene
Concen: 56.426 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 183153

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0



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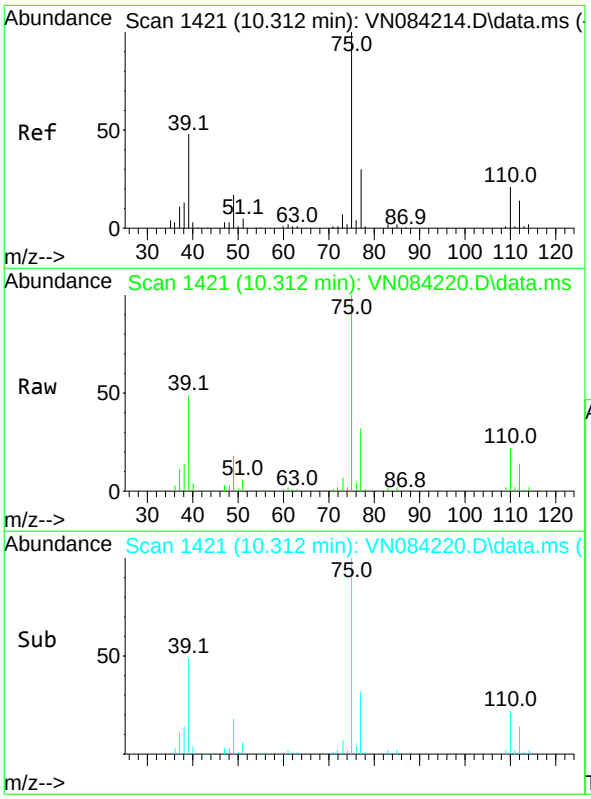
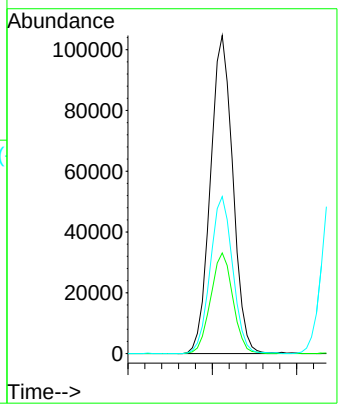
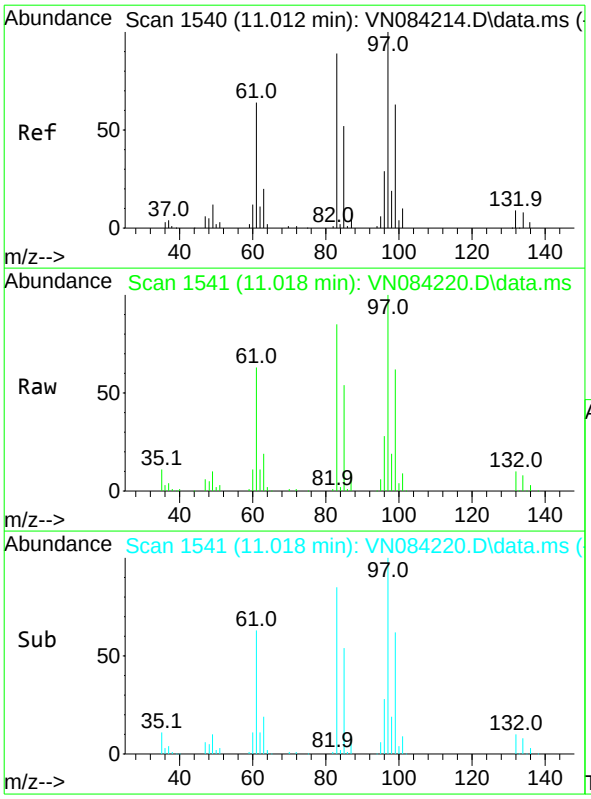


#54
cis-1,3-Dichloropropene
Concen: 55.416 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 193475

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	49.4	38.7	58.1

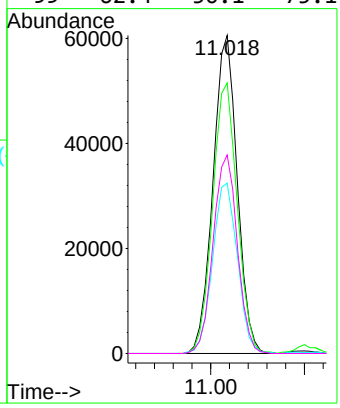




#55
1,1,2-Trichloroethane
Concen: 55.307 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 97 Resp: 108550

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	53.6	41.7	62.5
99	62.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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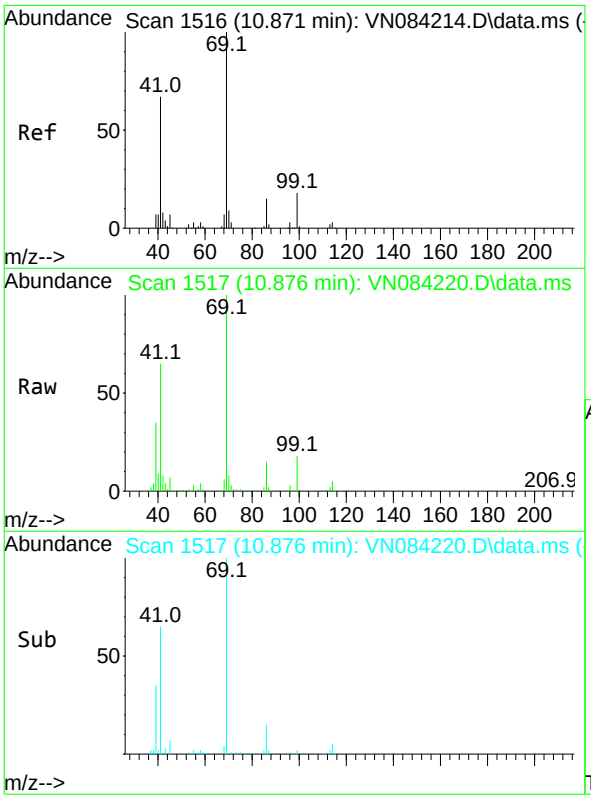
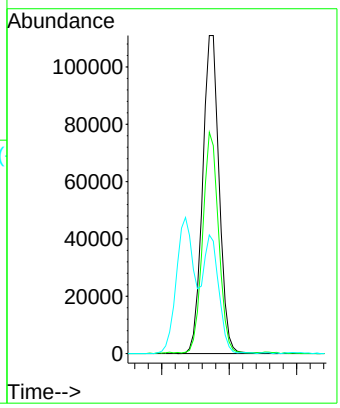
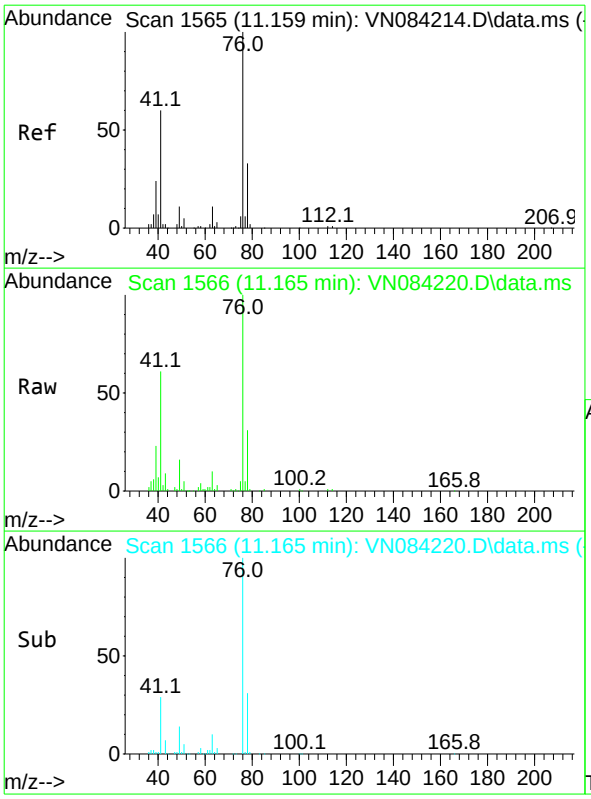


#56
Ethyl methacrylate
Concen: 58.561 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 69 Resp: 189121

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.3	79.9
39	35.9	28.8	43.2

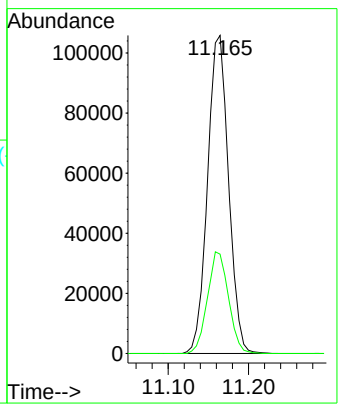




#57
1,3-Dichloropropane
Concen: 54.738 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 76 Resp: 191966

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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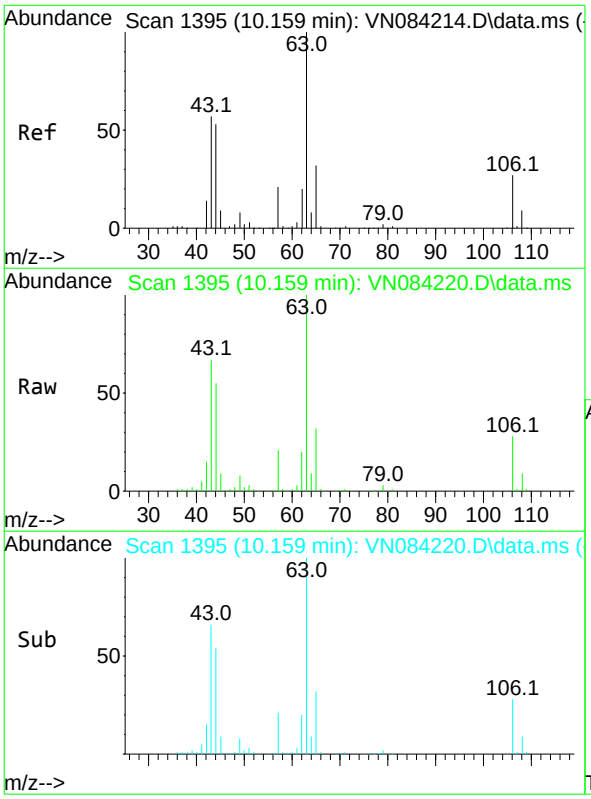
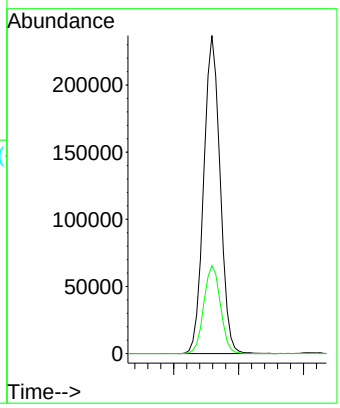
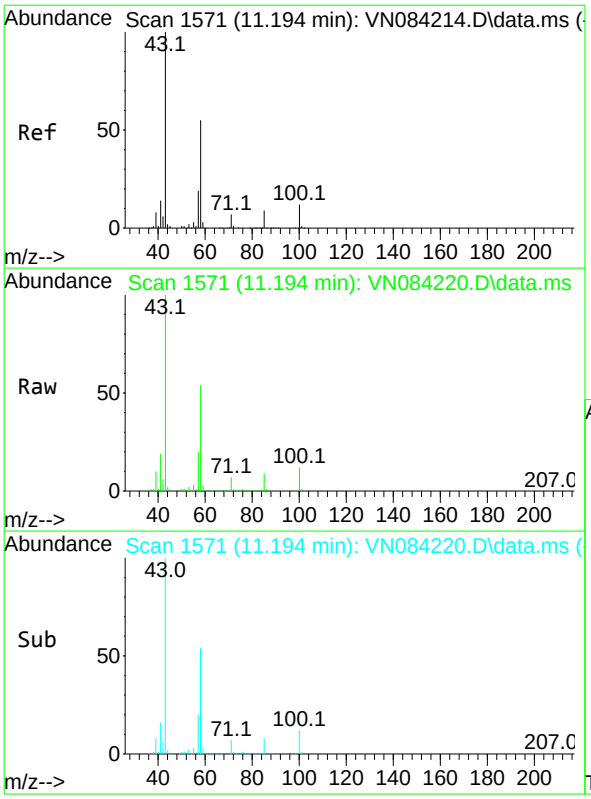


#58
2-Chloroethyl Vinyl ether
Concen: 277.315 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 415454

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6

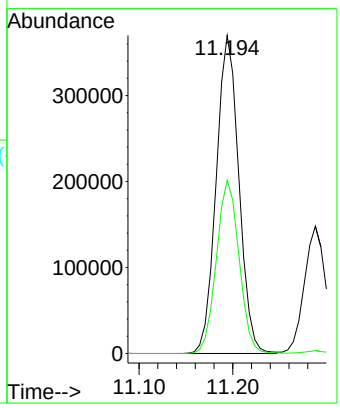




#59
2-Hexanone
Concen: 295.238 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 621000

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8



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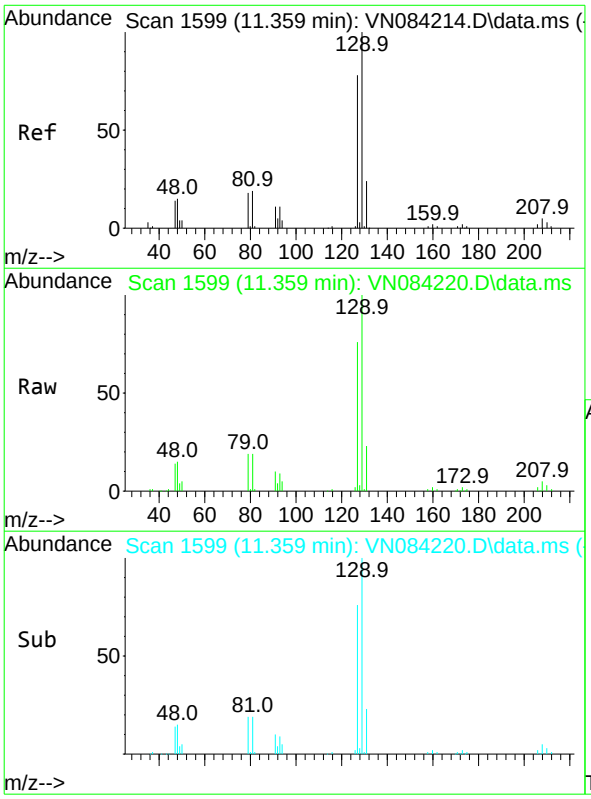
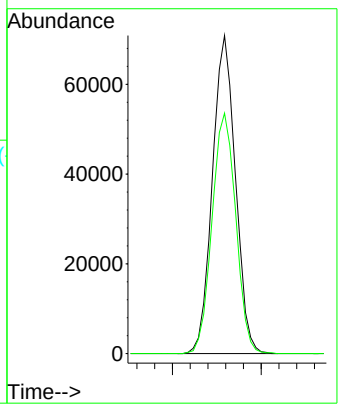
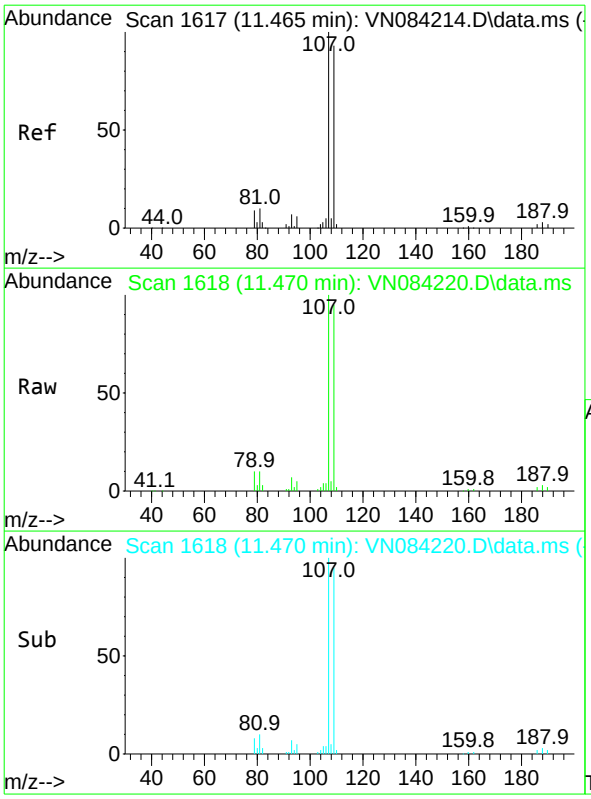


#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:129 Resp: 127786

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9

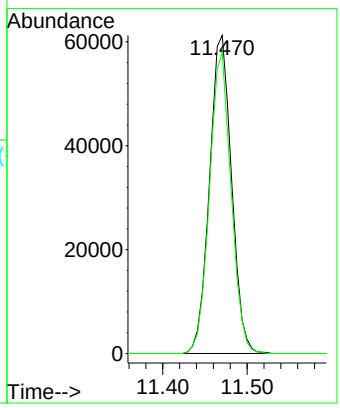




#61
1,2-Dibromoethane
Concen: 54.548 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:107 Resp: 111244

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



Instrument :
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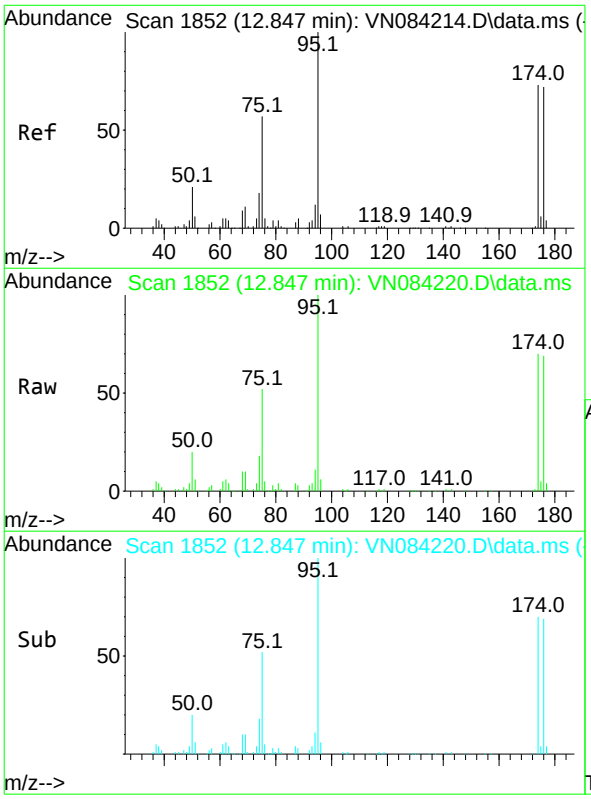
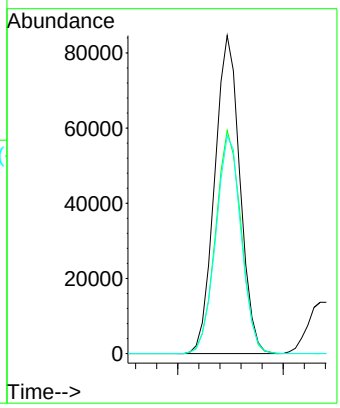
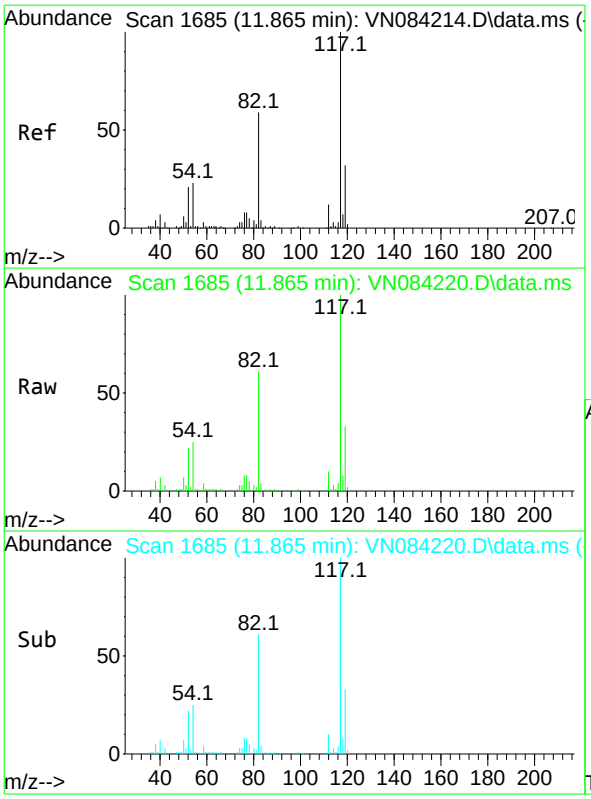


#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 95 Resp: 140850

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	145.2
176	69.2	0.0	140.0

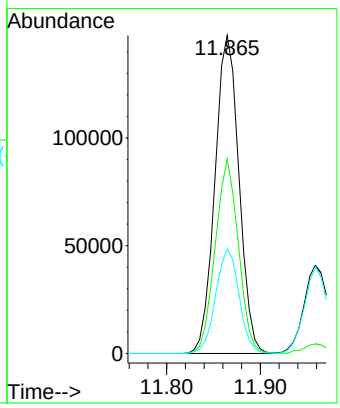




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 263364

Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.2	70.8
119	32.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
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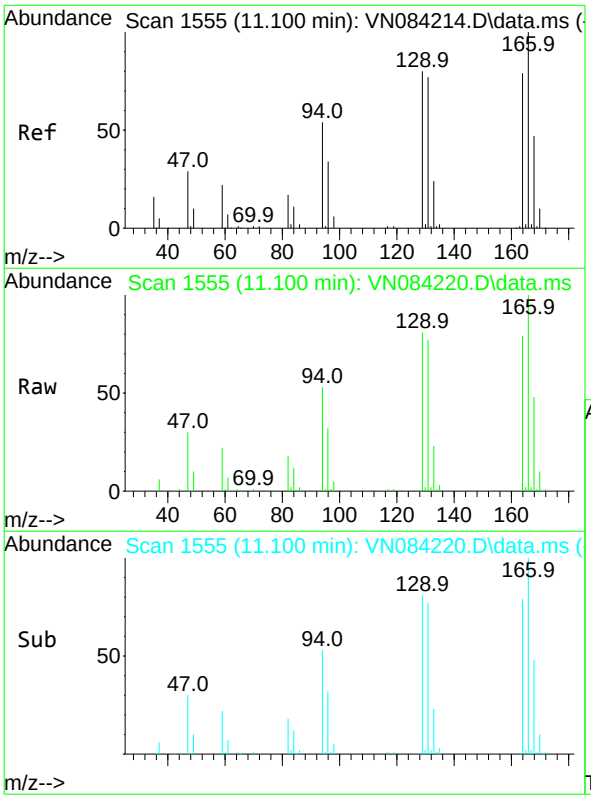
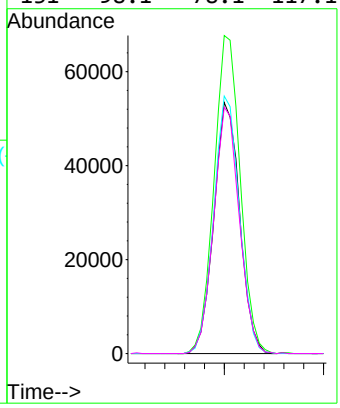
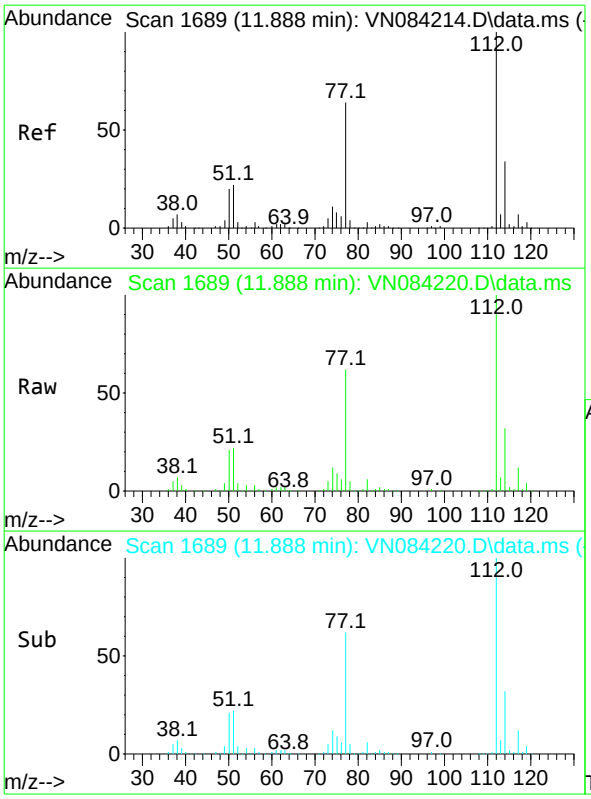


#64
Tetrachloroethene
Concen: 52.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:164 Resp: 96460

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.0	151.4
129	102.6	80.8	121.2
131	98.1	78.1	117.1

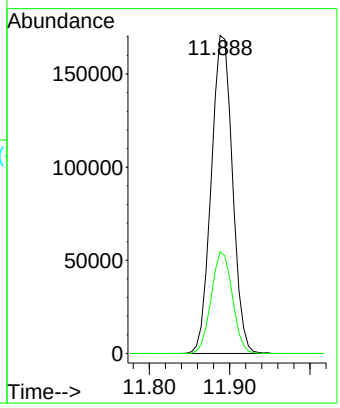




#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:112 Resp: 312728

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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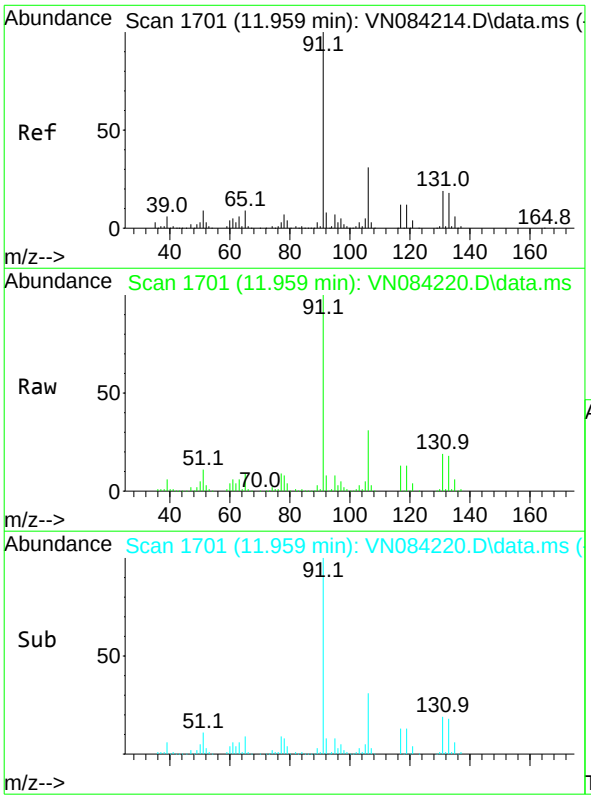
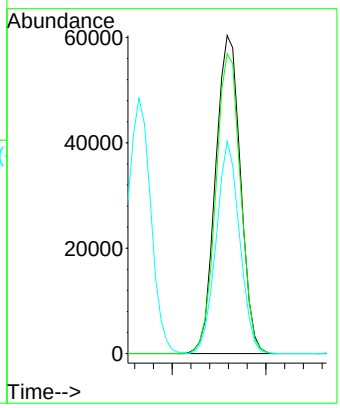
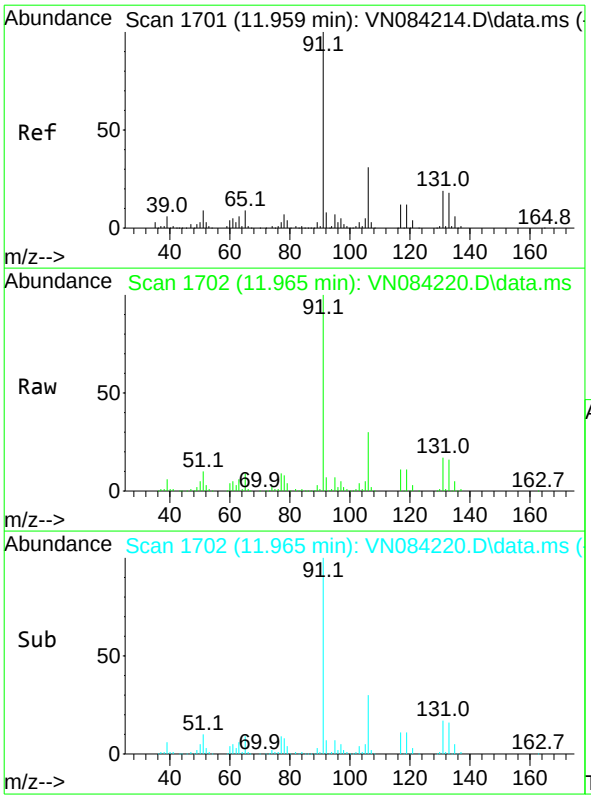


#66
1,1,1,2-Tetrachloroethane
Concen: 55.381 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:131 Resp: 111388

Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.9	143.7
119	62.9	32.8	98.3

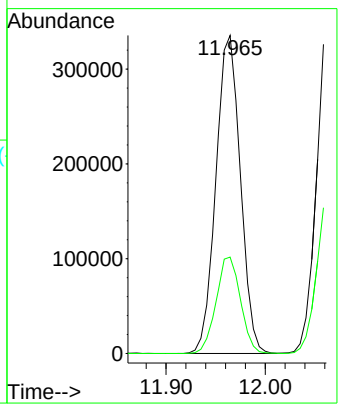




#67
Ethyl Benzene
Concen: 55.563 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 573790

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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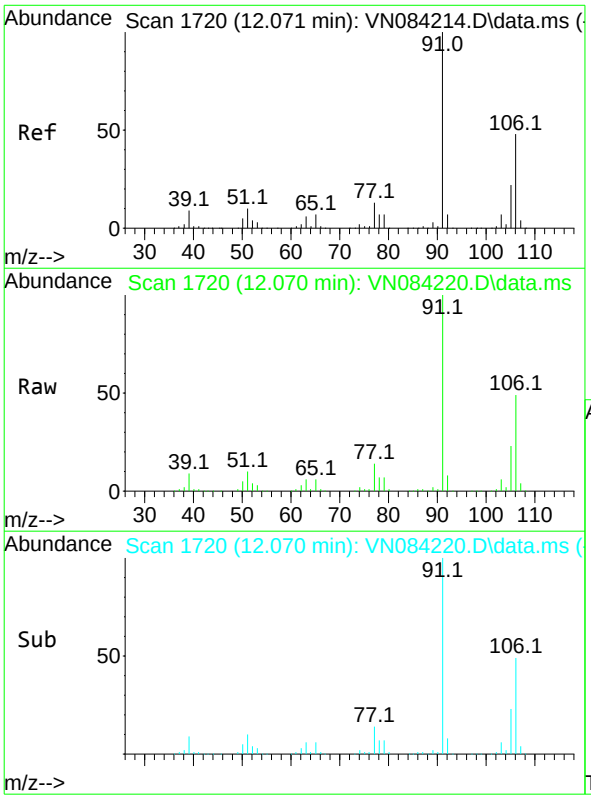
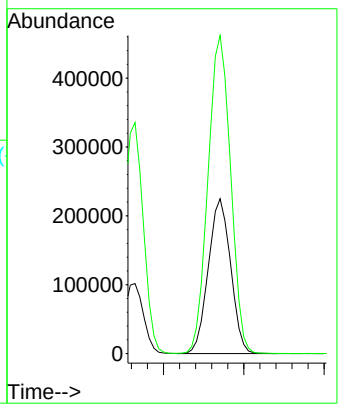
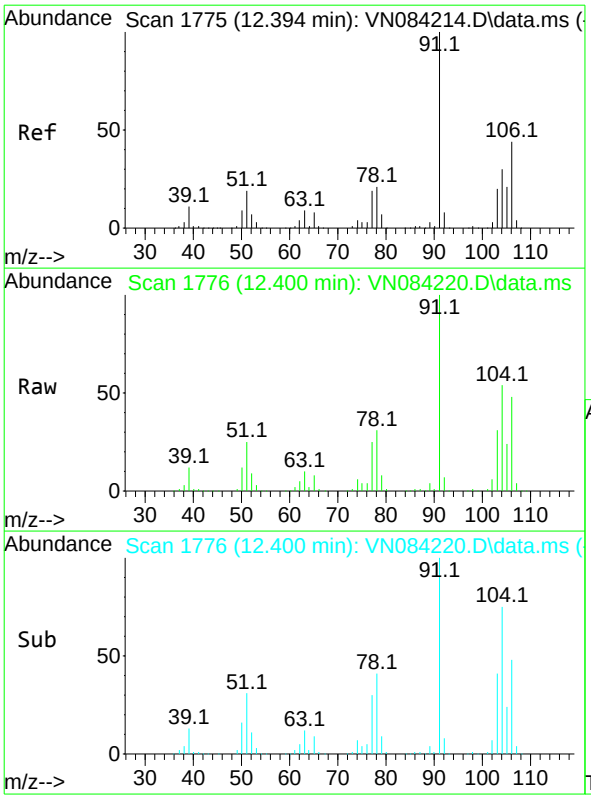


#68
m/p-Xylenes
Concen: 113.748 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 434515

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.1	250.7

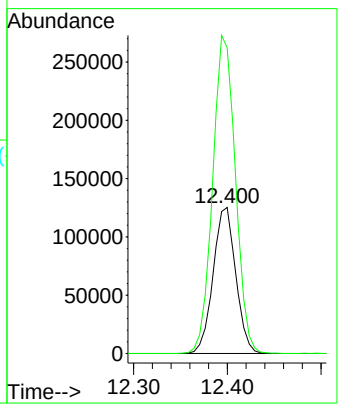




#69
o-Xylene
Concen: 58.032 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 209737

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6



Instrument :
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ClientSampleId :
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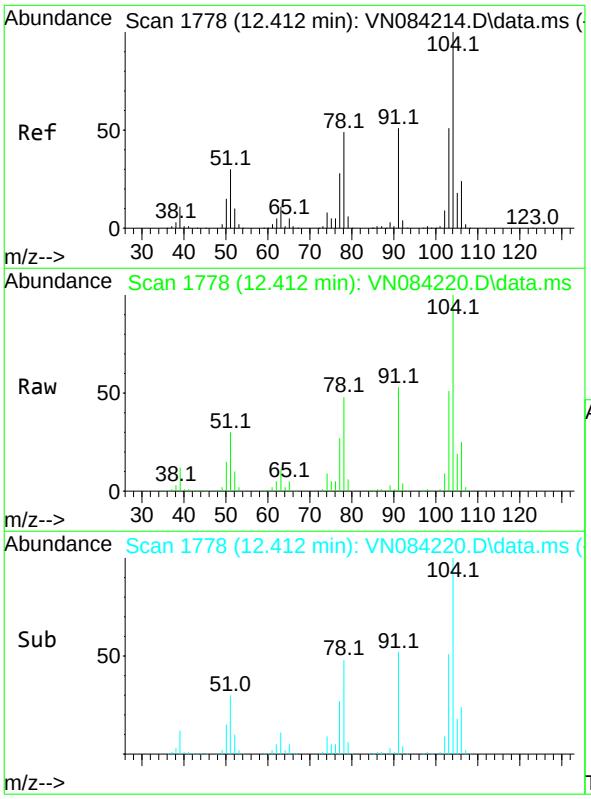
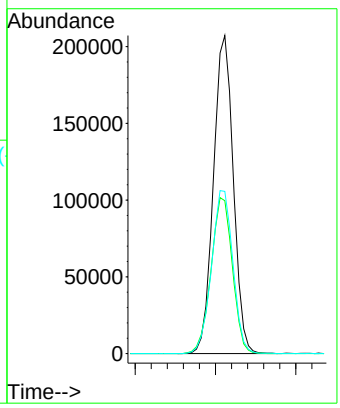
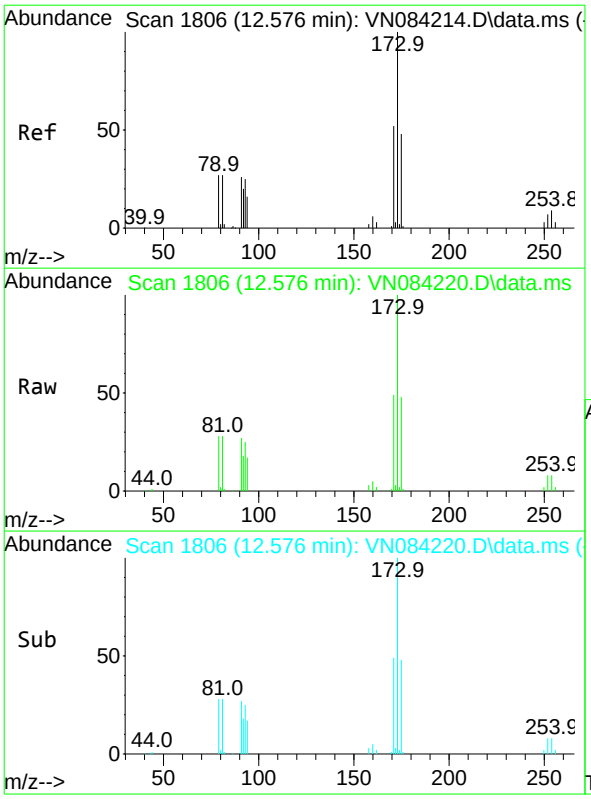


#70
Styrene
Concen: 58.136 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:104 Resp: 355892

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	55.1	43.6	65.4

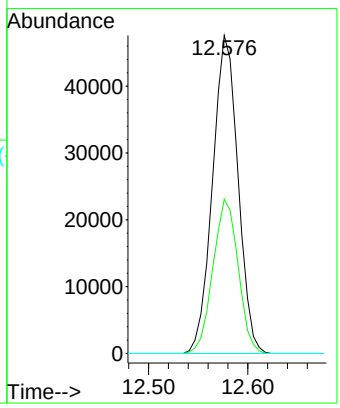




#71
Bromoform
Concen: 57.258 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:173 Resp: 84787

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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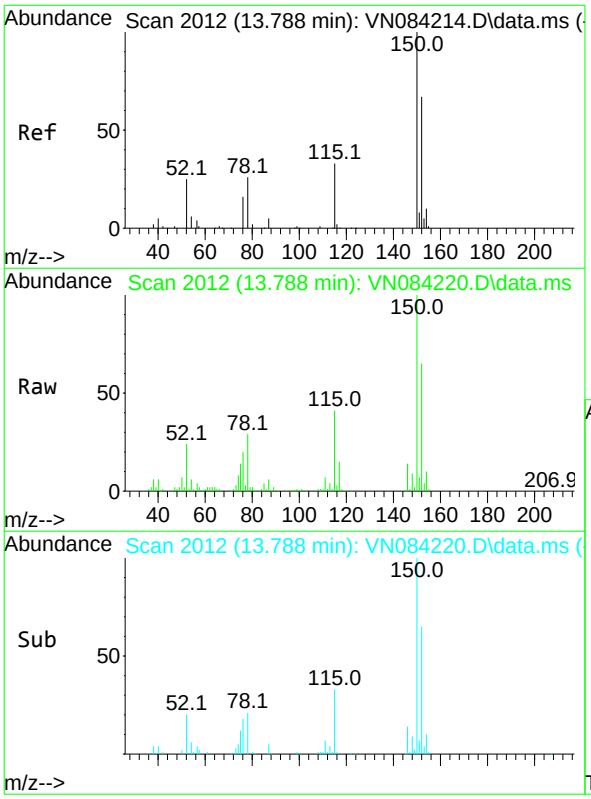
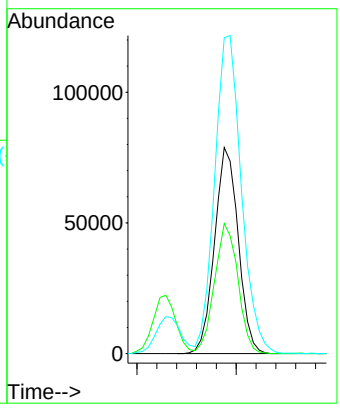
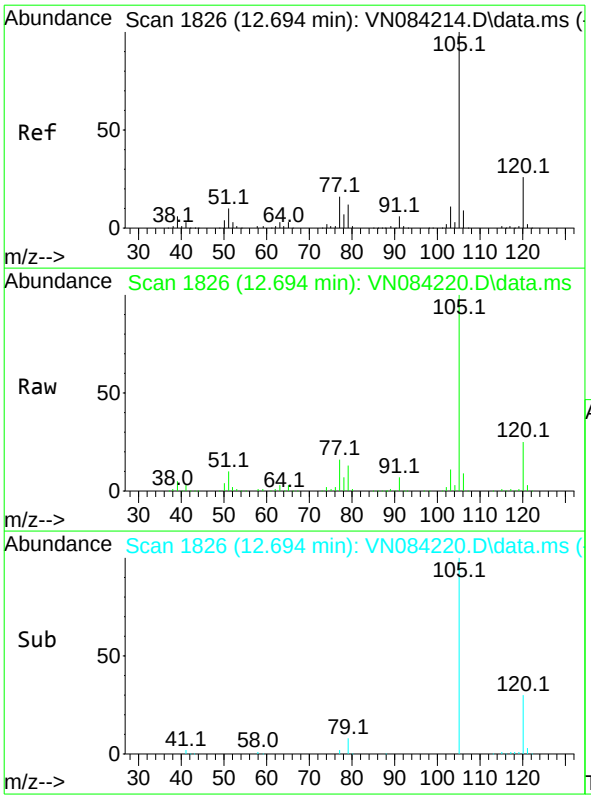


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:152 Resp: 130851

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	174.1	0.0	349.8

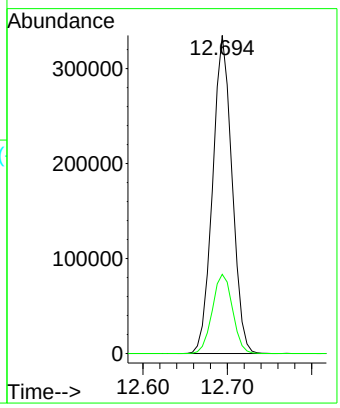




#73
Isopropylbenzene
Concen: 53.604 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 535240

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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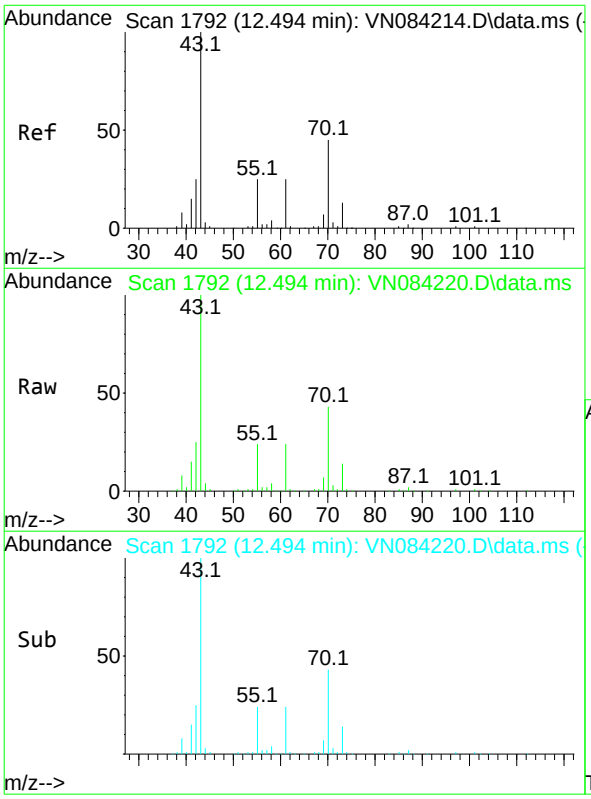
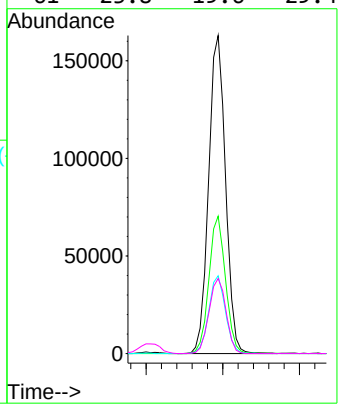
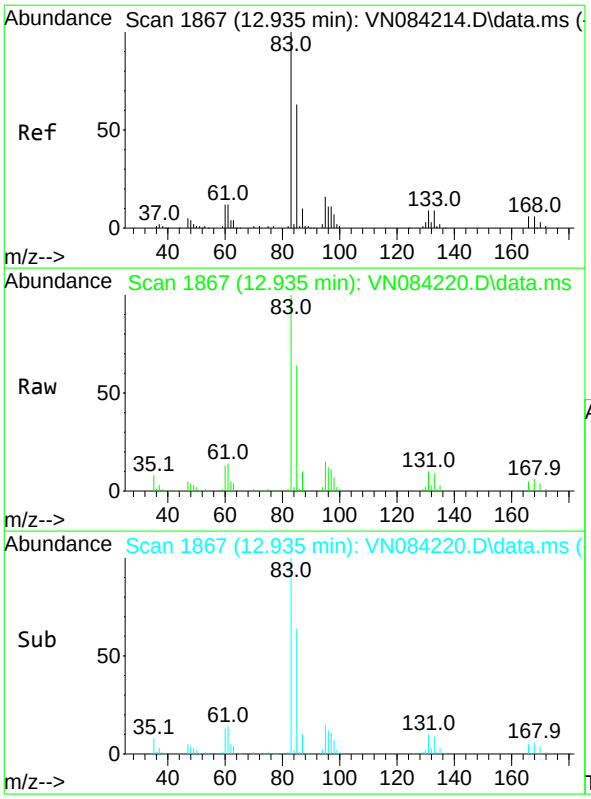


#74
N-amyl acetate
Concen: 55.118 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 249223

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.4	51.6
55	24.2	19.6	29.4
61	23.8	19.6	29.4

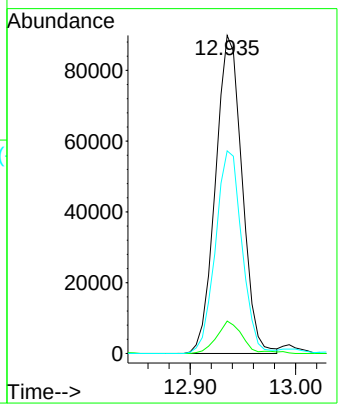




#75
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 157322

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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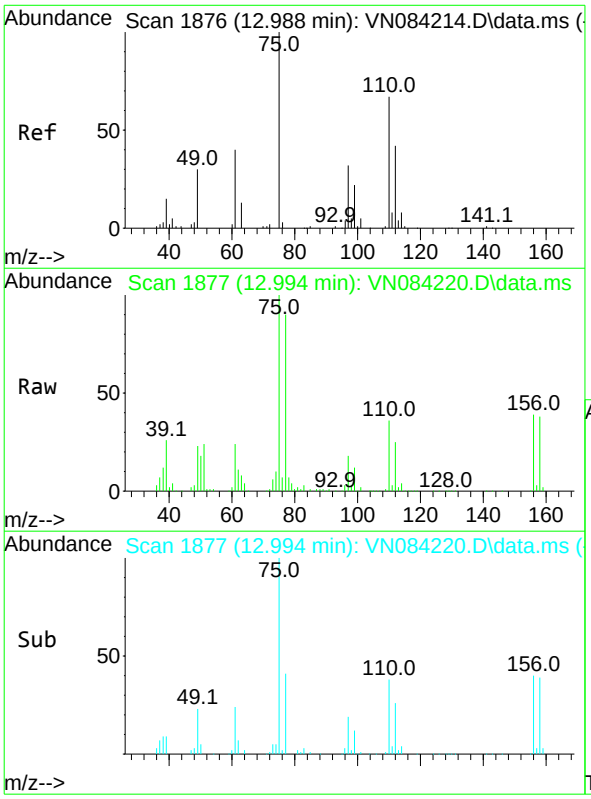
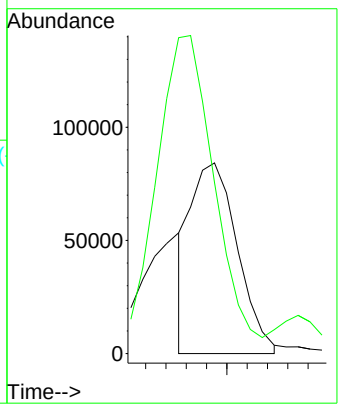
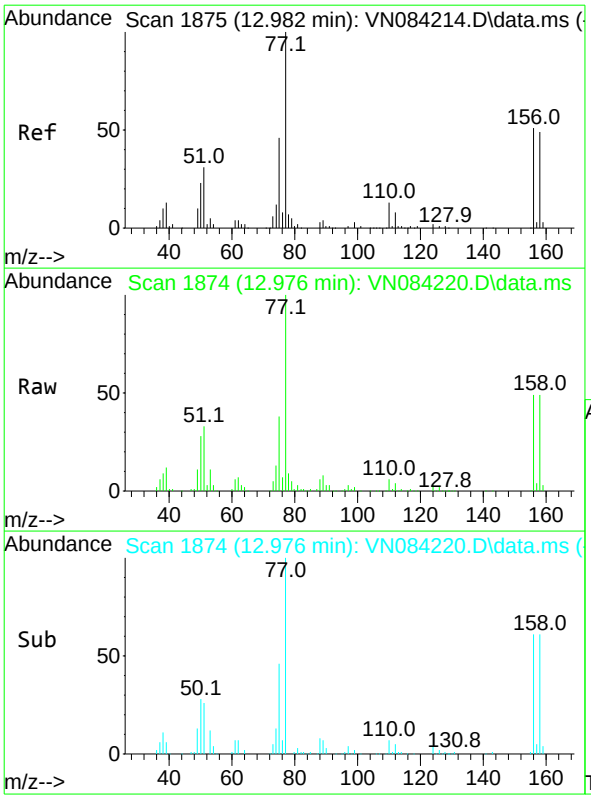


#76
1,2,3-Trichloropropane
Concen: 50.475 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 134836

Ion	Ratio	Lower	Upper
75	100		
77	208.3	96.9	290.7

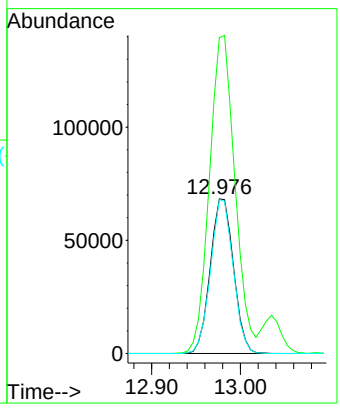




#77
Bromobenzene
Concen: 51.676 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:156 Resp: 124463

Ion	Ratio	Lower	Upper
156	100		
77	225.7	115.1	345.3
158	96.8	48.9	146.8



Instrument :
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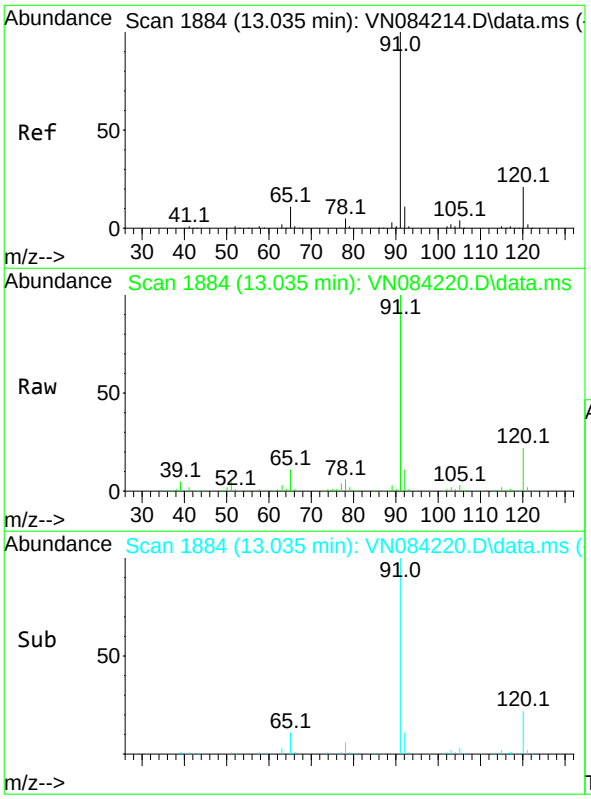
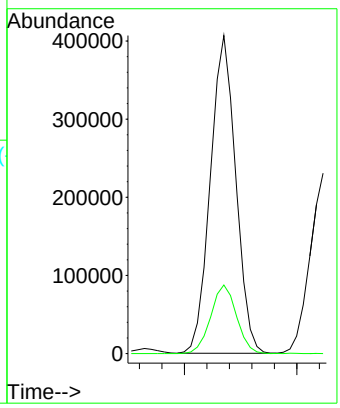
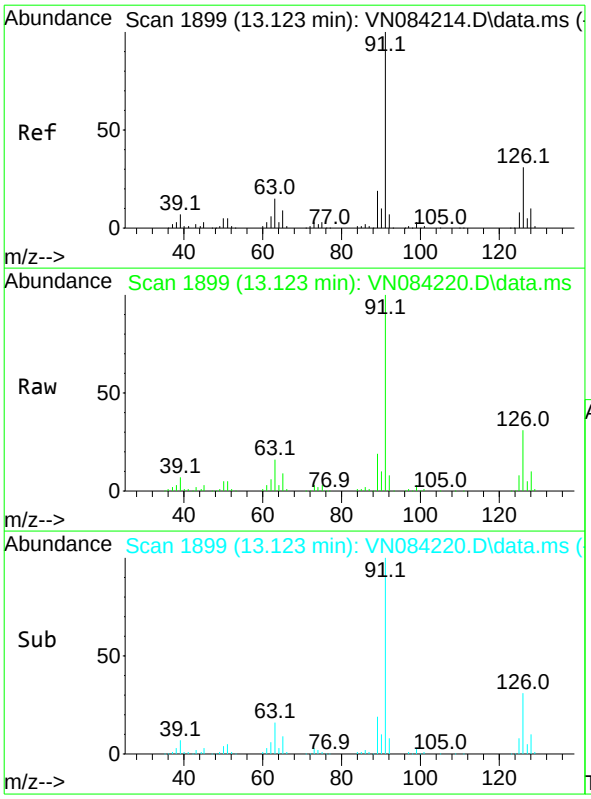


#78
n-propylbenzene
Concen: 55.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 638464

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

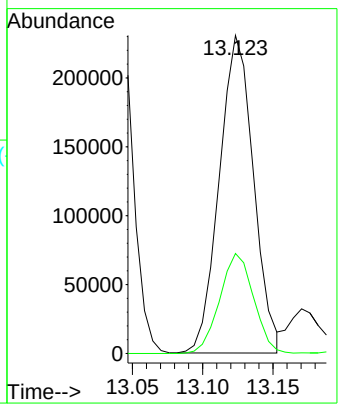




#79
2-Chlorotoluene
Concen: 52.898 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 390502

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



Instrument :
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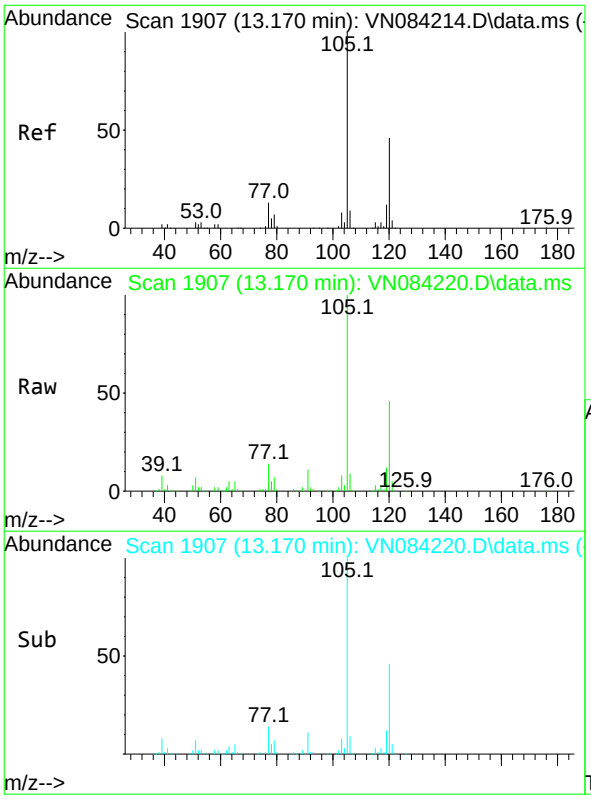
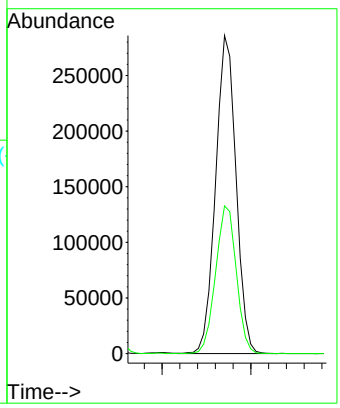
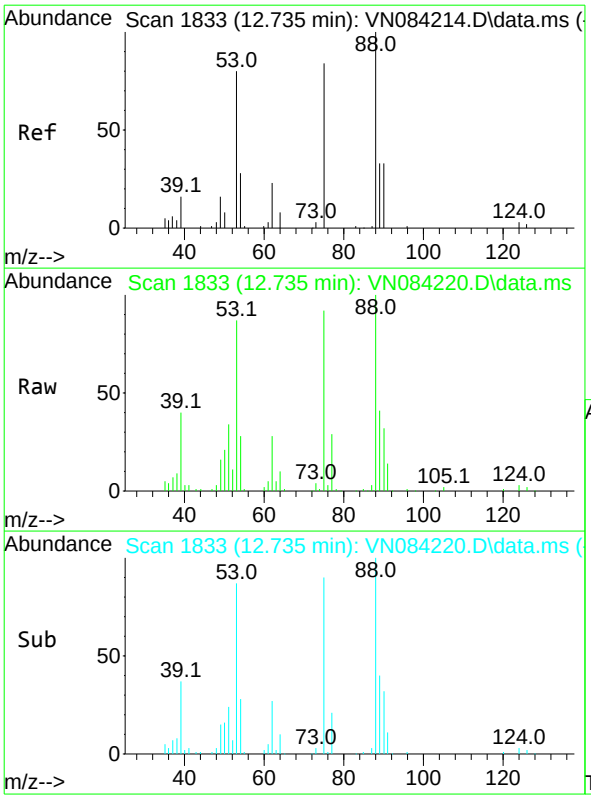


#80
1,3,5-Trimethylbenzene
Concen: 56.101 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 456943

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1

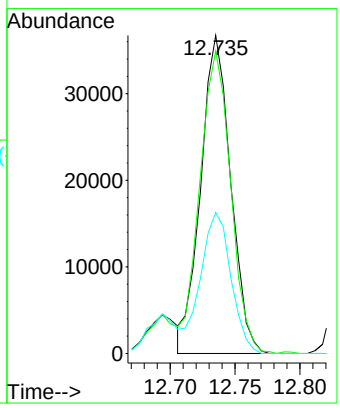




#81
trans-1,4-Dichloro-2-butene
Concen: 52.939 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 58987

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	45.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
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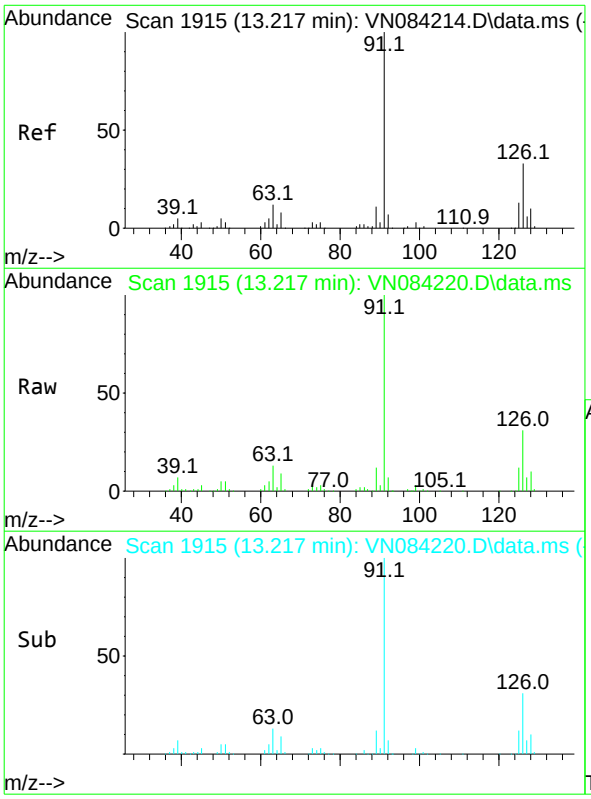
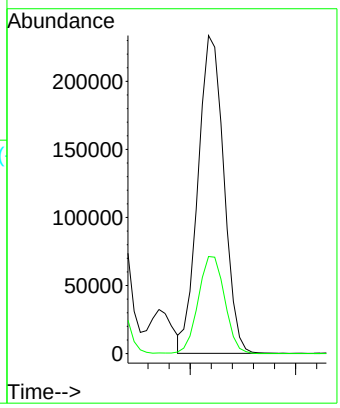
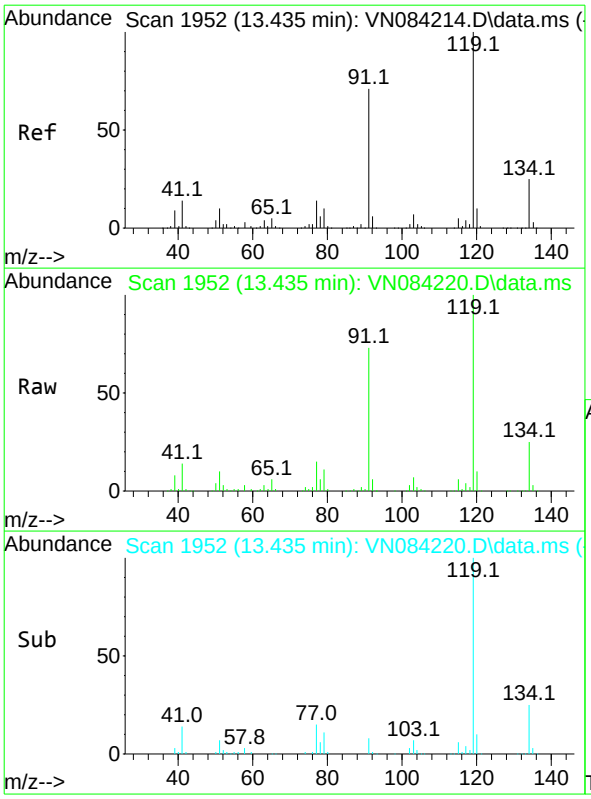


#82
4-Chlorotoluene
Concen: 53.455 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 397246

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

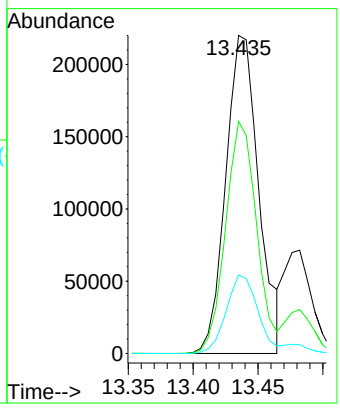




#83
tert-Butylbenzene
Concen: 53.903 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:119 Resp: 390221

Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.1	102.3
134	23.9	12.8	38.4



Instrument :
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ClientSampleId :
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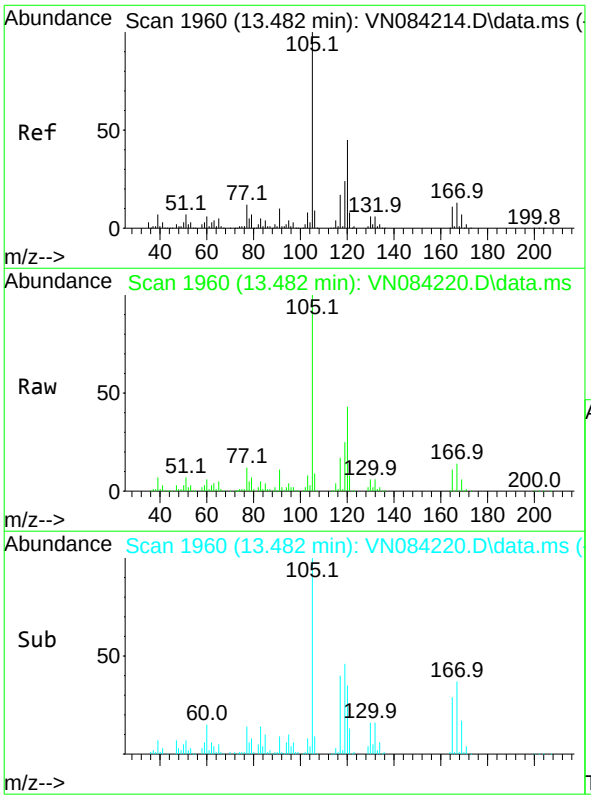
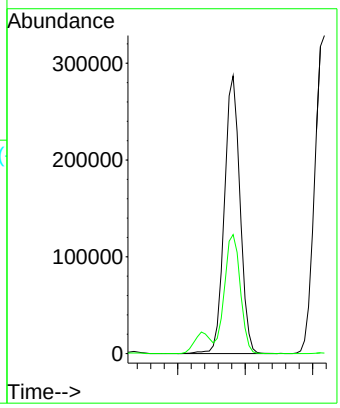
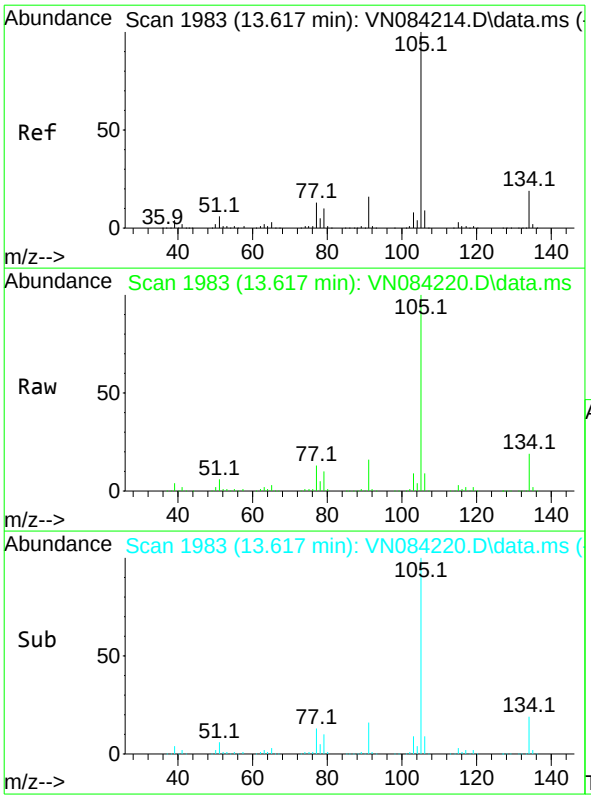


#84
1,2,4-Trimethylbenzene
Concen: 56.199 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 461123

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8

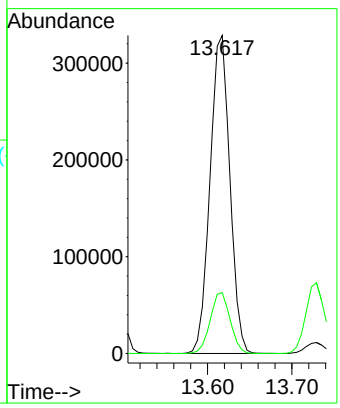




#85
sec-Butylbenzene
Concen: 55.556 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 536685

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

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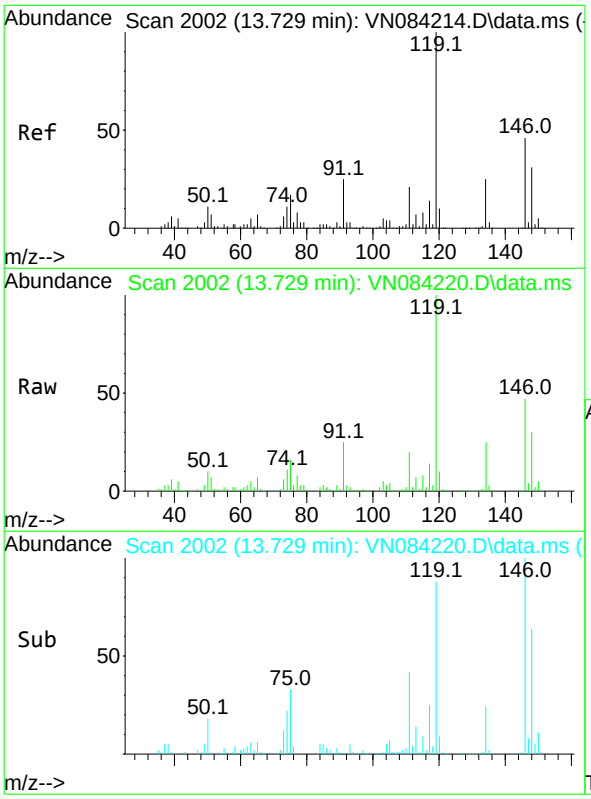
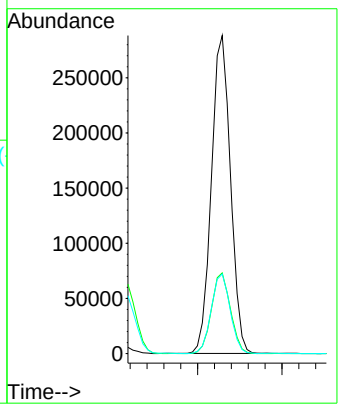
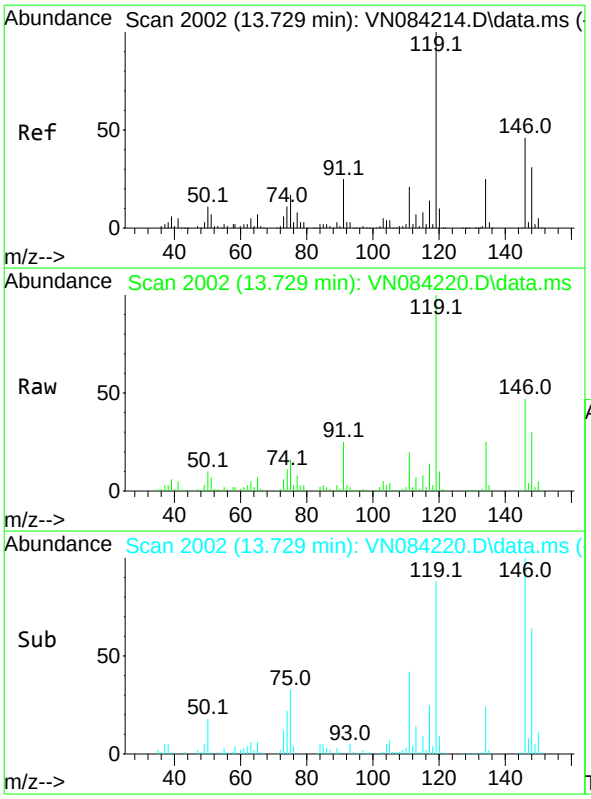


#86
p-Isopropyltoluene
Concen: 56.614 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:119 Resp: 452245

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	24.9	12.4	37.2

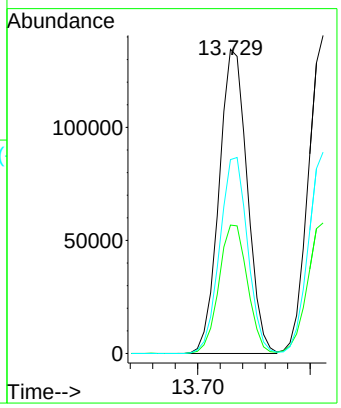




#87
1,3-Dichlorobenzene
Concen: 51.830 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 234190

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.9	31.9	95.7



Instrument :
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ClientSampleId :
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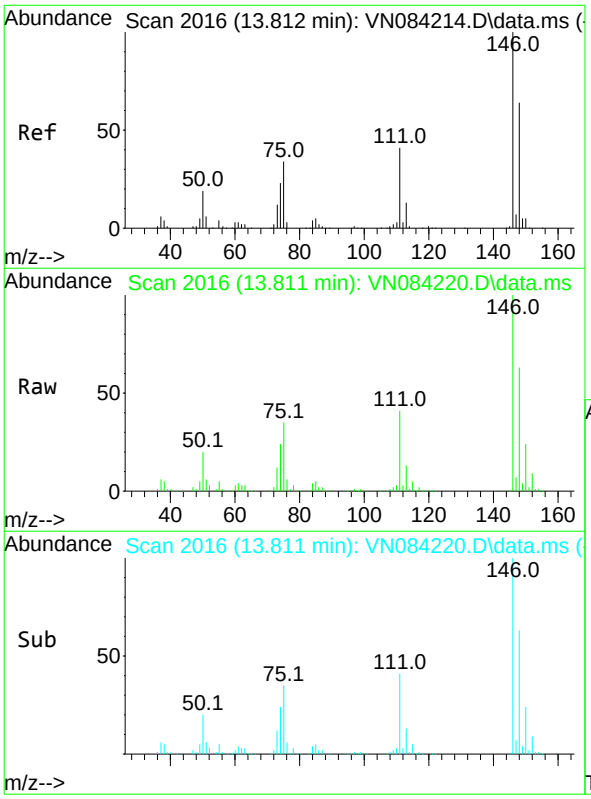
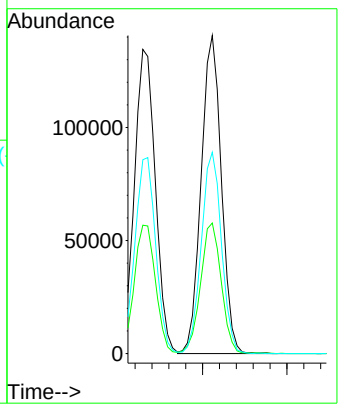
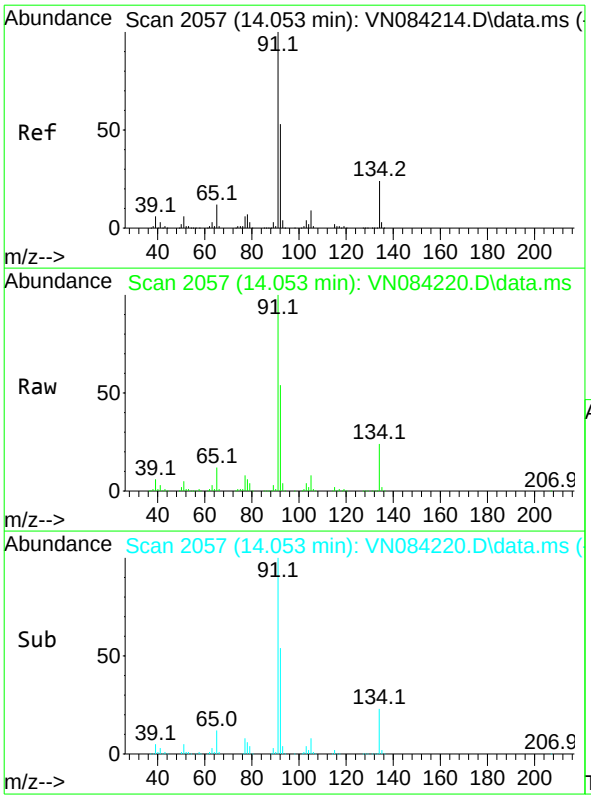


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 234070

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.2	31.9	95.9

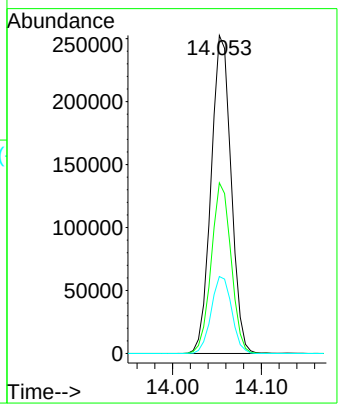




#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 396001

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.7	12.3	36.9



Instrument :
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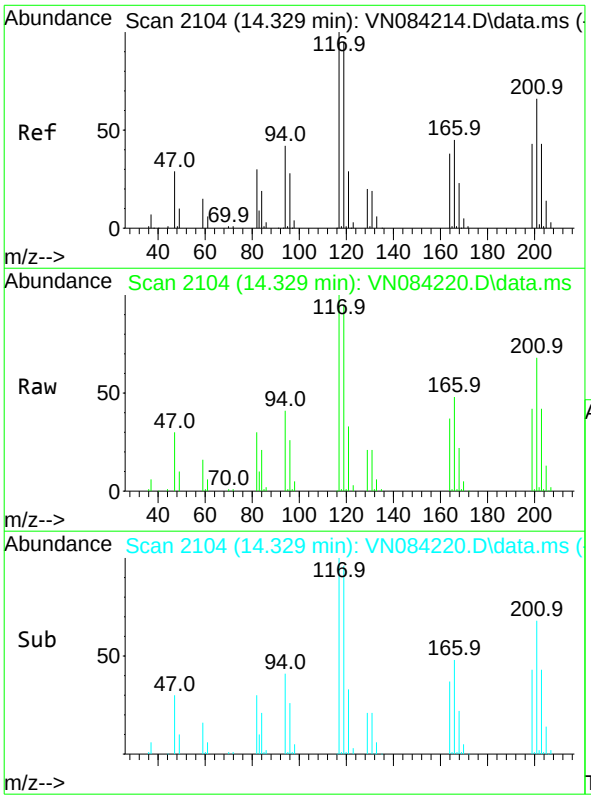
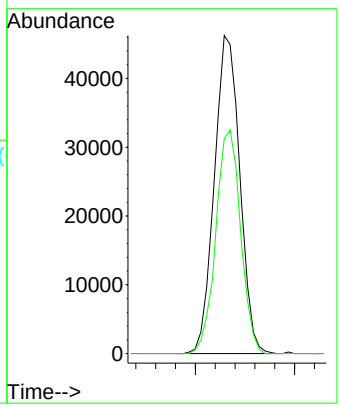
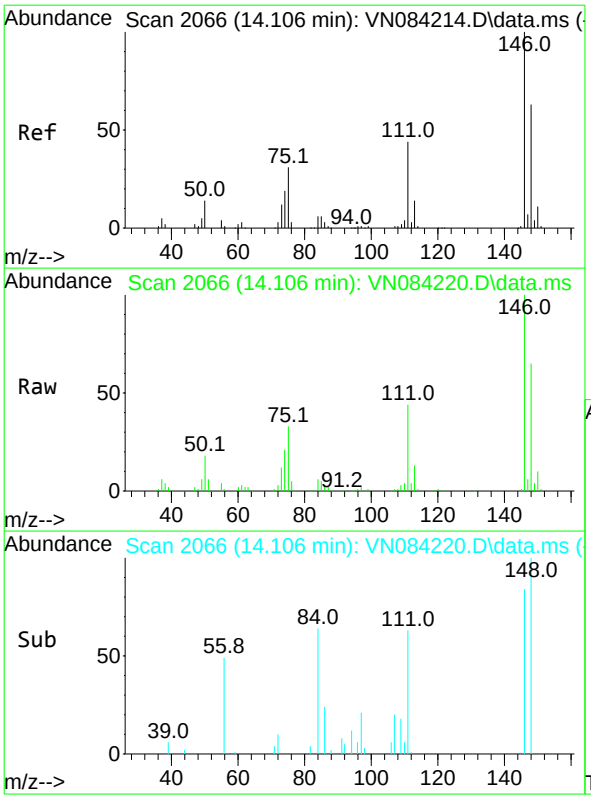


#90
Hexachloroethane
Concen: 50.795 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 82363

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2

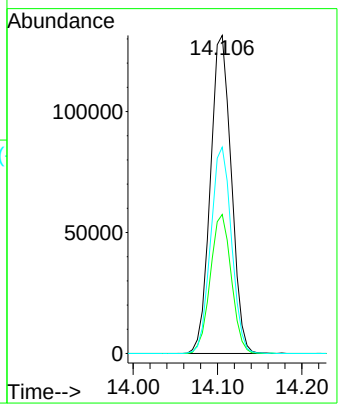




#91
1,2-Dichlorobenzene
Concen: 51.082 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 226320

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.7	32.1	96.3



Instrument :
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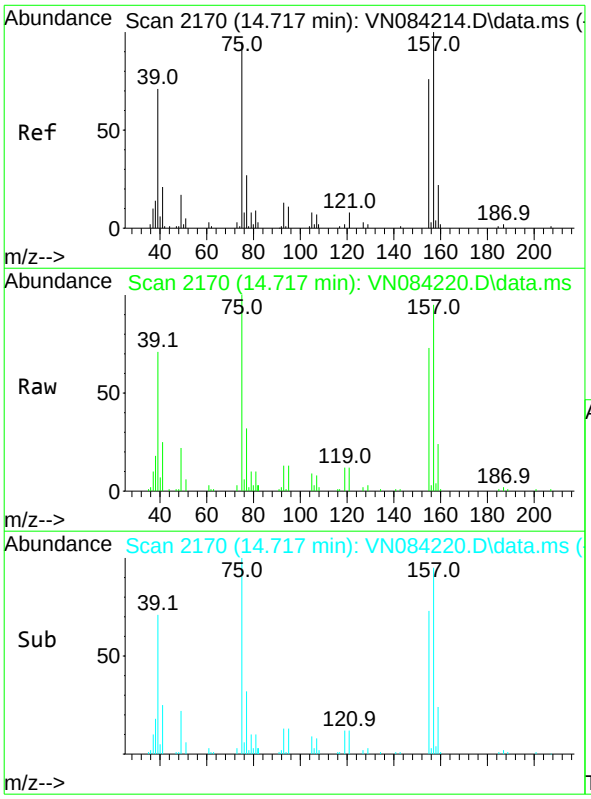
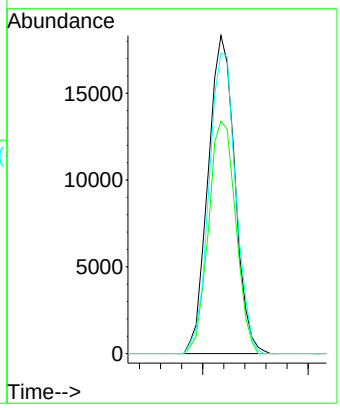
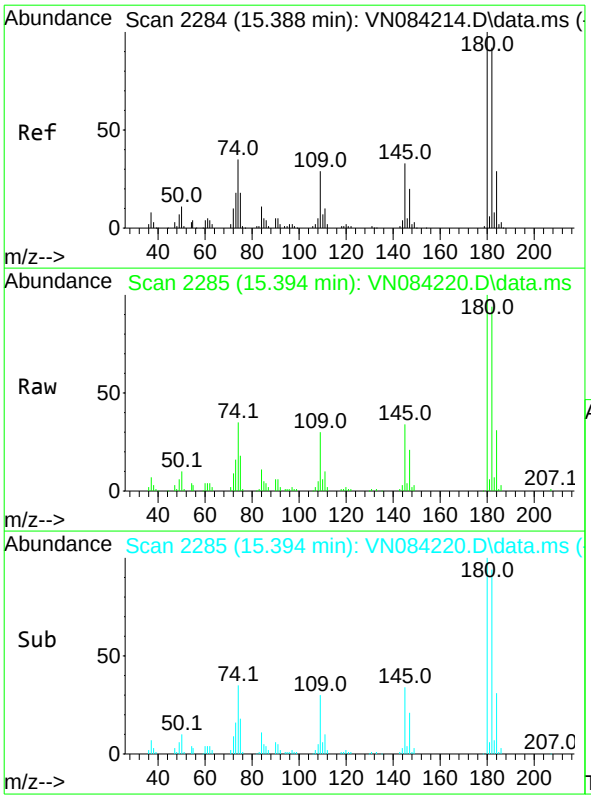


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 32296

Ion	Ratio	Lower	Upper
75	100		
155	74.4	38.1	114.5
157	94.7	49.6	149.0

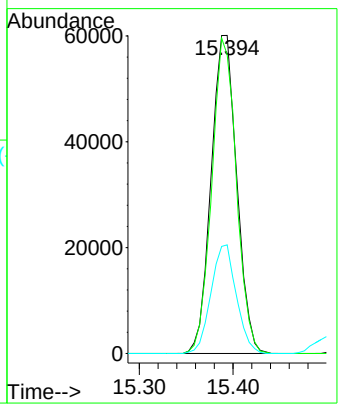




#93
1,2,4-Trichlorobenzene
Concen: 52.311 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:180 Resp: 114157

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	33.8	16.4	49.4



Instrument :
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ClientSampleId :
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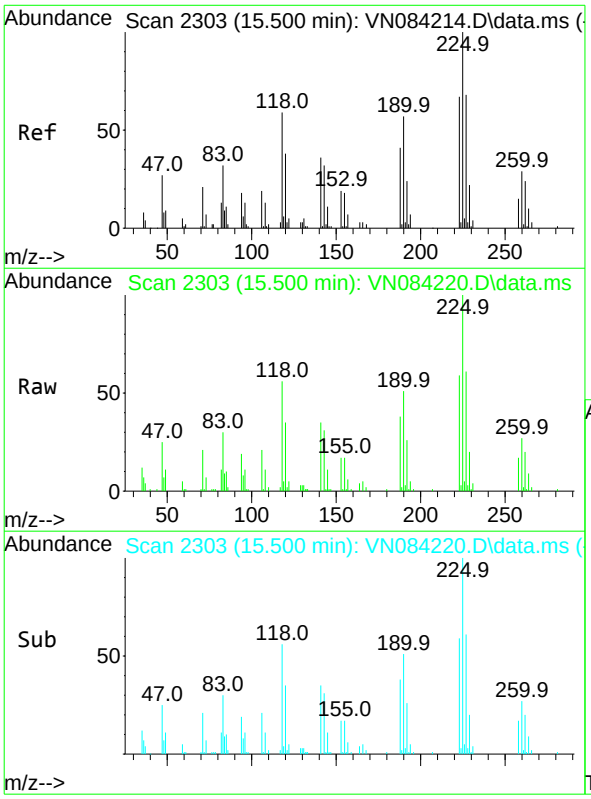
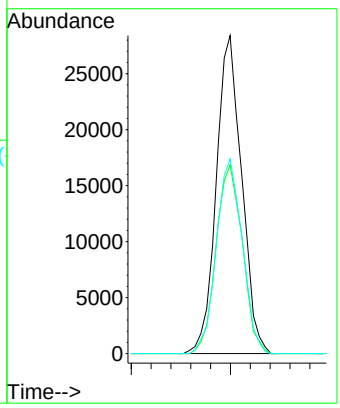
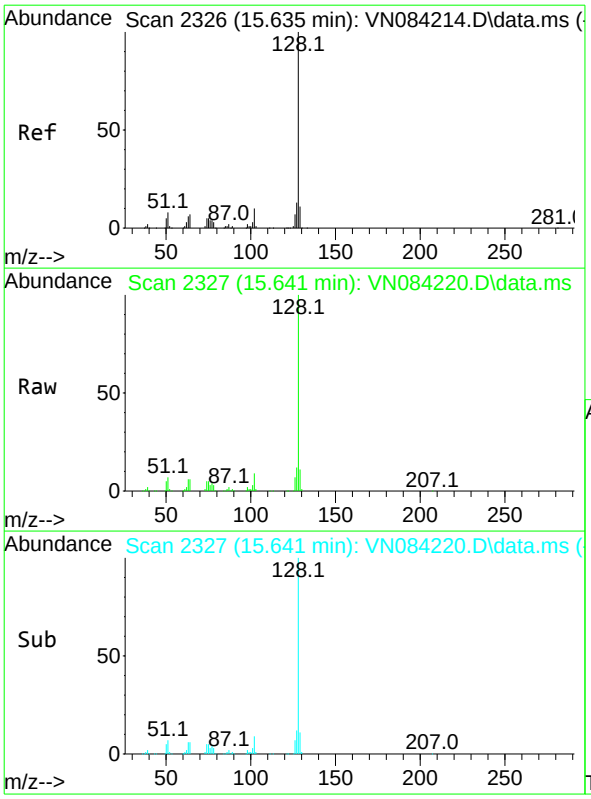


#94
Hexachlorobutadiene
Concen: 46.368 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:225 Resp: 50461

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	62.7	32.4	97.0

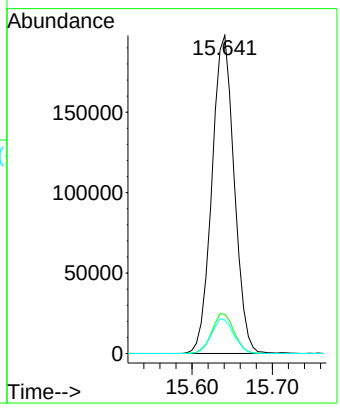




#95
Naphthalene
Concen: 52.602 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:128 Resp: 380549

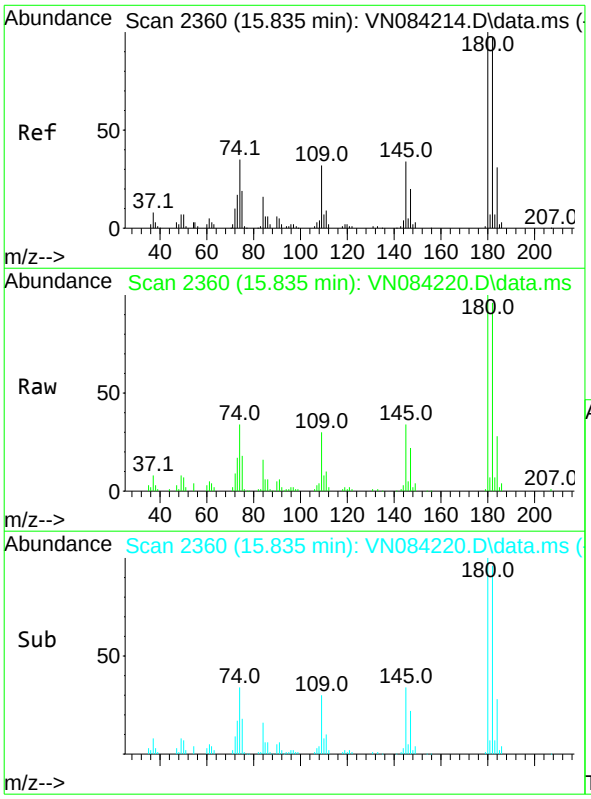
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

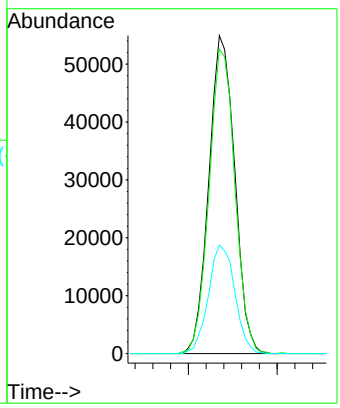
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#96
1,2,3-Trichlorobenzene
Concen: 50.853 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:180 Resp: 111086

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	34.9	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	0.591	0.624	-5.6	101	0.00
3	P	Chloromethane	0.675	0.695	-3.0	103	0.00
4	C	Vinyl Chloride	0.654	0.670	-2.4#	100	0.00
5	T	Bromomethane	0.431	0.411	4.6	94	0.00
6	T	Chloroethane	0.468	0.423	9.6	100	0.00
7	T	Trichlorofluoromethane	1.019	1.082	-6.2	101	0.00
8	T	Diethyl Ether	0.378	0.404	-6.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.602	-3.1	101	0.00
10	T	Methyl Iodide	0.752	0.812	-8.0	100	0.00
11	T	Tert butyl alcohol	0.122	0.126	-3.3	101	0.00
12	CM	1,1-Dichloroethene	0.563	0.597	-6.0#	101	0.00
13	T	Acrolein	0.140	0.145	-3.6	101	0.00
14	T	Allyl chloride	0.978	0.999	-2.1	100	0.00
15	T	Acrylonitrile	0.309	0.337	-9.1	106	0.00
16	T	Acetone	0.318	0.354	-11.3	103	0.00
17	T	Carbon Disulfide	1.782	1.736	2.6	100	0.00
18	T	Methyl Acetate	0.694	0.749	-7.9	105	0.00
19	T	Methyl tert-butyl Ether	1.900	2.066	-8.7	101	0.00
20	T	Methylene Chloride	0.647	0.675	-4.3	102	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.625	-5.9	100	0.00
22	T	Diisopropyl ether	2.022	2.208	-9.2	101	0.00
23	T	Vinyl Acetate	1.500	1.713	-14.2	103	0.00
24	P	1,1-Dichloroethane	1.131	1.214	-7.3	101	0.00
25	T	2-Butanone	0.434	0.490	-12.9	108	0.00
26	T	2,2-Dichloropropane	1.020	1.090	-6.9	100	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.739	-3.6	99	0.00
28	T	Bromochloromethane	0.505	0.486	3.8	98	0.00
29	T	Tetrahydrofuran	0.268	0.302	-12.7	106	0.00
30	C	Chloroform	1.175	1.226	-4.3#	101	0.00
31	T	Cyclohexane	1.098	1.094	0.4	102	0.00
32	T	1,1,1-Trichloroethane	1.055	1.127	-6.8	102	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.750	-1.2	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.330	0.333	-0.9	102	0.00
36	T	1,1-Dichloropropene	0.479	0.516	-7.7	100	0.00
37	T	Ethyl Acetate	0.491	0.531	-8.1	104	0.00
38	T	Carbon Tetrachloride	0.525	0.563	-7.2	101	0.00
39	T	Methylcyclohexane	0.533	0.604	-13.3	102	0.00
40	TM	Benzene	1.492	1.590	-6.6	101	0.00
41	T	Methacrylonitrile	0.267	0.297	-11.2	102	0.00
42	TM	1,2-Dichloroethane	0.506	0.548	-8.3	103	0.00
43	T	Isopropyl Acetate	0.962	0.926	3.7	102	0.00
44	TM	Trichloroethene	0.348	0.365	-4.9	100	0.00
45	C	1,2-Dichloropropane	0.353	0.386	-9.3#	102	0.00
46	T	Dibromomethane	0.238	0.267	-12.2	102	0.00
47	T	Bromodichloromethane	0.529	0.575	-8.7	102	0.00
48	T	Methyl methacrylate	0.383	0.440	-14.9	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	106	0.00
50	S	Toluene-d8	1.213	1.289	-6.3	103	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.537	-14.7	105	0.00
52	CM	Toluene	0.910	0.986	-8.4#	101	0.00
53	T	t-1,3-Dichloropropene	0.539	0.609	-13.0	102	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.643	-10.9	100	0.00
55	T	1,1,2-Trichloroethane	0.326	0.361	-10.7	102	0.00
56	T	Ethyl methacrylate	0.537	0.628	-16.9	103	0.00
57	T	1,3-Dichloropropane	0.583	0.638	-9.4	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.276	-10.8	97	0.00
59	T	2-Hexanone	0.349	0.413	-18.3	106	0.00
60	T	Dibromochloromethane	0.385	0.425	-10.4	101	0.00
61	T	1,2-Dibromoethane	0.339	0.370	-9.1	102	0.00
62	S	4-Bromofluorobenzene	0.442	0.468	-5.9	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.348	0.366	-5.2	102	0.00
65	PM	Chlorobenzene	1.109	1.187	-7.0	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.423	-10.7	104	0.00
67	C	Ethyl Benzene	1.961	2.179	-11.1#	102	0.00
68	T	m/p-Xylenes	0.725	0.825	-13.8	102	0.00
69	T	o-Xylene	0.686	0.796	-16.0	102	0.00
70	T	Styrene	1.162	1.351	-16.3	102	0.00
71	P	Bromoform	0.281	0.322	-14.6	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.815	4.090	-7.2	101	0.00
74	T	N-amyl acetate	1.728	1.905	-10.2	105	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.202	-4.8	104	0.00
76	T	1,2,3-Trichloropropane	1.021	1.030	-0.9	94	0.00
77	T	Bromobenzene	0.920	0.951	-3.4	103	0.00
78	T	n-propylbenzene	4.421	4.879	-10.4	102	0.00
79	T	2-Chlorotoluene	2.821	2.984	-5.8	101	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.492	-12.2	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.451	-5.9	102	0.00
82	T	4-Chlorotoluene	2.840	3.036	-6.9	103	0.00
83	T	tert-Butylbenzene	2.766	2.982	-7.8	101	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.524	-12.4	103	0.00
85	T	sec-Butylbenzene	3.691	4.101	-11.1	101	0.00
86	T	p-Isopropyltoluene	3.052	3.456	-13.2	101	0.00
87	T	1,3-Dichlorobenzene	1.727	1.790	-3.6	103	0.00
88	T	1,4-Dichlorobenzene	1.744	1.789	-2.6	103	0.00
89	T	n-Butylbenzene	2.768	3.026	-9.3	100	0.00
90	T	Hexachloroethane	0.620	0.629	-1.5	101	0.00
91	T	1,2-Dichlorobenzene	1.693	1.730	-2.2	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.247	-4.2	106	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.872	-4.6	96	0.00
94	T	Hexachlorobutadiene	0.416	0.386	7.2	100	0.00
95	T	Naphthalene	2.764	2.908	-5.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.835	0.849	-1.7	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	50.000	52.712	-5.4	101	0.00
3	P	Chloromethane	50.000	51.477	-3.0	103	0.00
4	C	Vinyl Chloride	50.000	51.235	-2.5#	100	0.00
5	T	Bromomethane	50.000	47.656	4.7	94	0.00
6	T	Chloroethane	50.000	45.119	9.8	100	0.00
7	T	Trichlorofluoromethane	50.000	53.099	-6.2	101	0.00
8	T	Diethyl Ether	50.000	53.445	-6.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.573	-3.1	101	0.00
10	T	Methyl Iodide	50.000	53.996	-8.0	100	0.00
11	T	Tert butyl alcohol	250.000	257.154	-2.9	101	0.00
12	CM	1,1-Dichloroethene	50.000	53.064	-6.1#	101	0.00
13	T	Acrolein	250.000	257.587	-3.0	101	0.00
14	T	Allyl chloride	50.000	51.092	-2.2	100	0.00
15	T	Acrylonitrile	250.000	273.264	-9.3	106	0.00
16	T	Acetone	250.000	277.547	-11.0	103	0.00
17	T	Carbon Disulfide	50.000	48.693	2.6	100	0.00
18	T	Methyl Acetate	50.000	53.948	-7.9	105	0.00
19	T	Methyl tert-butyl Ether	50.000	54.371	-8.7	101	0.00
20	T	Methylene Chloride	50.000	52.116	-4.2	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.980	-6.0	100	0.00
22	T	Diisopropyl ether	50.000	54.579	-9.2	101	0.00
23	T	Vinyl Acetate	250.000	285.569	-14.2	103	0.00
24	P	1,1-Dichloroethane	50.000	53.676	-7.4	101	0.00
25	T	2-Butanone	250.000	282.397	-13.0	108	0.00
26	T	2,2-Dichloropropane	50.000	53.428	-6.9	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.876	-3.8	99	0.00
28	T	Bromochloromethane	50.000	48.129	3.7	98	0.00
29	T	Tetrahydrofuran	250.000	281.940	-12.8	106	0.00
30	C	Chloroform	50.000	52.184	-4.4#	101	0.00
31	T	Cyclohexane	50.000	49.809	0.4	102	0.00
32	T	1,1,1-Trichloroethane	50.000	53.395	-6.8	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.564	-1.1	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.508	-1.0	102	0.00
36	T	1,1-Dichloropropene	50.000	53.917	-7.8	100	0.00
37	T	Ethyl Acetate	50.000	54.043	-8.1	104	0.00
38	T	Carbon Tetrachloride	50.000	53.593	-7.2	101	0.00
39	T	Methylcyclohexane	50.000	56.648	-13.3	102	0.00
40	TM	Benzene	50.000	53.301	-6.6	101	0.00
41	T	Methacrylonitrile	50.000	55.708	-11.4	102	0.00
42	TM	1,2-Dichloroethane	50.000	54.131	-8.3	103	0.00
43	T	Isopropyl Acetate	50.000	48.126	3.7	102	0.00
44	TM	Trichloroethene	50.000	52.368	-4.7	100	0.00
45	C	1,2-Dichloropropane	50.000	54.694	-9.4#	102	0.00
46	T	Dibromomethane	50.000	56.015	-12.0	102	0.00
47	T	Bromodichloromethane	50.000	54.335	-8.7	102	0.00
48	T	Methyl methacrylate	50.000	57.391	-14.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1111.545	-11.2	106	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	287.336	-14.9	105	0.00
52	CM	Toluene	50.000	54.185	-8.4#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	56.426	-12.9	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.416	-10.8	100	0.00
55	T	1,1,2-Trichloroethane	50.000	55.307	-10.6	102	0.00
56	T	Ethyl methacrylate	50.000	58.561	-17.1	103	0.00
57	T	1,3-Dichloropropane	50.000	54.738	-9.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	277.315	-10.9	97	0.00
59	T	2-Hexanone	250.000	295.238	-18.1	106	0.00
60	T	Dibromochloromethane	50.000	55.105	-10.2	101	0.00
61	T	1,2-Dibromoethane	50.000	54.548	-9.1	102	0.00
62	S	4-Bromofluorobenzene	50.000	52.971	-5.9	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	52.585	-5.2	102	0.00
65	PM	Chlorobenzene	50.000	53.555	-7.1	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.381	-10.8	104	0.00
67	C	Ethyl Benzene	50.000	55.563	-11.1#	102	0.00
68	T	m/p-Xylenes	100.000	113.748	-13.7	102	0.00
69	T	o-Xylene	50.000	58.032	-16.1	102	0.00
70	T	Styrene	50.000	58.136	-16.3	102	0.00
71	P	Bromoform	50.000	57.258	-14.5	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	53.604	-7.2	101	0.00
74	T	N-amyl acetate	50.000	55.118	-10.2	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.398	-4.8	104	0.00
76	T	1,2,3-Trichloropropane	50.000	50.475	-1.0	94	0.00
77	T	Bromobenzene	50.000	51.676	-3.4	103	0.00
78	T	n-propylbenzene	50.000	55.188	-10.4	102	0.00
79	T	2-Chlorotoluene	50.000	52.898	-5.8	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.101	-12.2	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.939	-5.9	102	0.00
82	T	4-Chlorotoluene	50.000	53.455	-6.9	103	0.00
83	T	tert-Butylbenzene	50.000	53.903	-7.8	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.199	-12.4	103	0.00
85	T	sec-Butylbenzene	50.000	55.556	-11.1	101	0.00
86	T	p-Isopropyltoluene	50.000	56.614	-13.2	101	0.00
87	T	1,3-Dichlorobenzene	50.000	51.830	-3.7	103	0.00
88	T	1,4-Dichlorobenzene	50.000	51.298	-2.6	103	0.00
89	T	n-Butylbenzene	50.000	54.671	-9.3	100	0.00
90	T	Hexachloroethane	50.000	50.795	-1.6	101	0.00
91	T	1,2-Dichlorobenzene	50.000	51.082	-2.2	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.125	-4.3	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.311	-4.6	96	0.00
94	T	Hexachlorobutadiene	50.000	46.368	7.3	100	0.00
95	T	Naphthalene	50.000	52.602	-5.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.853	-1.7	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 08:59

Lab File ID: VN084503.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.675	0.535	0.1	-20.74	20
Vinyl Chloride	0.654	0.560		-14.37	20
Bromomethane	0.431	0.358		-16.94	20
Chloroethane	0.468	0.374		-20.08	20
Trichlorofluoromethane	1.019	0.965		-5.3	20
1,1,2-Trichlorotrifluoroethane	0.584	0.570		-2.4	20
1,1-Dichloroethene	0.563	0.545		-3.2	20
Acetone	0.318	0.365		14.78	20
Carbon Disulfide	1.782	1.442		-19.08	20
Methyl tert-butyl Ether	1.900	1.987		4.58	20
Methylene Chloride	0.647	0.639		-1.24	20
trans-1,2-Dichloroethene	0.590	0.585		-0.85	20
1,1-Dichloroethane	1.131	1.151	0.1	1.77	20
2-Butanone	0.434	0.461		6.22	20
Carbon Tetrachloride	0.525	0.544		3.62	20
cis-1,2-Dichloroethene	0.713	0.722		1.26	20
Chloroform	1.175	1.213		3.23	20
1,1,1-Trichloroethane	1.055	1.069		1.33	20
Methylcyclohexane	0.533	0.535		0.38	20
Benzene	1.492	1.554		4.16	20
1,2-Dichloroethane	0.506	0.527		4.15	20
Trichloroethene	0.348	0.361		3.74	20
1,2-Dichloropropane	0.353	0.381		7.93	20
Bromodichloromethane	0.529	0.576		8.89	20
4-Methyl-2-Pentanone	0.468	0.513		9.61	20
Toluene	0.910	0.983		8.02	20
t-1,3-Dichloropropene	0.539	0.592		9.83	20
cis-1,3-Dichloropropene	0.580	0.639		10.17	20
1,1,2-Trichloroethane	0.326	0.364		11.66	20
2-Hexanone	0.349	0.394		12.89	20
Dibromochloromethane	0.385	0.437		13.51	20
Tetrachloroethene	0.348	0.356		2.3	20
Chlorobenzene	1.109	1.176	0.3	6.04	20
Ethyl Benzene	1.961	2.097		6.93	20
m/p-Xylenes	0.725	0.806		11.17	20
o-Xylene	0.686	0.757		10.35	20
Styrene	1.162	1.339		15.23	20
Bromoform	0.281	0.317	0.1	12.81	20

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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 08:59

Lab File ID: VN084503.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.815	3.921		2.78	20
1,1,2,2-Tetrachloroethane	1.147	1.156	0.3	0.79	20
1,3-Dichlorobenzene	1.727	1.755		1.62	20
1,4-Dichlorobenzene	1.744	1.742		-0.12	20
1,2-Dichlorobenzene	1.693	1.683		-0.59	20
1,2-Dichloroethane-d4	0.741	0.751		1.35	20
Dibromofluoromethane	0.330	0.363		10	20
Toluene-d8	1.213	1.283		5.77	20
4-Bromofluorobenzene	0.442	0.496		12.22	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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) Pentafluorobenzene	8.224	168	182036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136646	50.628	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	8.165	113	111177	55.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.040%			
50) Toluene-d8	10.565	98	393204	52.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.847	95	151926	56.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	78372	36.398	ug/l	94
3) Chloromethane	2.359	50	97478	39.648	ug/l	96
4) Vinyl Chloride	2.512	62	101959	42.813	ug/l	99
5) Bromomethane	2.954	94	65216	41.516	ug/l	98
6) Chloroethane	3.118	64	68025	39.884	ug/l	98
7) Trichlorofluoromethane	3.501	101	175700	47.378	ug/l	99
8) Diethyl Ether	3.959	74	66547	48.384	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	103796	48.848	ug/l	99
10) Methyl Iodide	4.589	142	132208	48.314	ug/l	99
11) Tert butyl alcohol	5.518	59	102421	230.135	ug/l	99
12) 1,1-Dichloroethene	4.342	96	99299	48.448	ug/l	99
13) Acrolein	4.177	56	119107	233.122	ug/l	99
14) Allyl chloride	5.024	41	159978	44.943	ug/l	99
15) Acrylonitrile	5.718	53	283323	252.096	ug/l	99
16) Acetone	4.424	43	332361	286.656	ug/l	99
17) Carbon Disulfide	4.712	76	262424	40.440	ug/l	97
18) Methyl Acetate	5.024	43	127400	50.414	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	361709	52.287	ug/l	97
20) Methylene Chloride	5.277	84	116230	49.315	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	106580	49.634	ug/l	97
22) Diisopropyl ether	6.671	45	377582	51.282	ug/l	97
23) Vinyl Acetate	6.600	43	1413227	258.787	ug/l	99
24) 1,1-Dichloroethane	6.565	63	209603	50.906	ug/l	99
25) 2-Butanone	7.483	43	419219	265.466	ug/l	100
26) 2,2-Dichloropropane	7.489	77	188590	50.799	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	131412	50.644	ug/l	98
28) Bromochloromethane	7.812	49	90237	49.119	ug/l	97
29) Tetrahydrofuran	7.836	42	244782	251.177	ug/l	97
30) Chloroform	7.965	83	220877	51.643	ug/l	97
31) Cyclohexane	8.253	56	172359	43.113	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	194610	50.664	ug/l	99
36) 1,1-Dichloropropene	8.371	75	149163	50.818	ug/l	99
37) Ethyl Acetate	7.553	43	154236	51.219	ug/l	99
38) Carbon Tetrachloride	8.359	117	166783	51.799	ug/l	98
39) Methylcyclohexane	9.600	83	164018	50.207	ug/l	98
40) Benzene	8.606	78	476364	52.089	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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)
41) Methacrylonitrile	7.771	41	83663	51.176 ug/l		96
42) 1,2-Dichloroethane	8.665	62	161416	52.064 ug/l		99
43) Isopropyl Acetate	8.683	43	291182	49.368 ug/l		98
44) Trichloroethene	9.353	130	110560	51.762 ug/l		99
45) 1,2-Dichloropropane	9.618	63	116927	54.048 ug/l		98
46) Dibromomethane	9.706	93	81712	55.969 ug/l		98
47) Bromodichloromethane	9.888	83	176433	54.395 ug/l	#	97
48) Methyl methacrylate	9.677	41	122412	52.136 ug/l		98
49) 1,4-Dioxane	9.694	88	42259	977.637 ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	786274	274.285 ug/l		99
52) Toluene	10.630	92	301445	54.054 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	181476	54.888 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	195885	55.080 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	111558	55.801 ug/l		96
56) Ethyl methacrylate	10.871	69	185958	56.529 ug/l		98
57) 1,3-Dichloropropane	11.159	76	194415	54.423 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	421419	276.155 ug/l		99
59) 2-Hexanone	11.194	43	603310	281.584 ug/l		99
60) Dibromochloromethane	11.359	129	133861	56.669 ug/l		99
61) 1,2-Dibromoethane	11.465	107	113691	54.729 ug/l		100
64) Tetrachloroethene	11.100	164	97893	51.180 ug/l		96
65) Chlorobenzene	11.888	112	322959	53.042 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	112949	53.856 ug/l		98
67) Ethyl Benzene	11.965	91	575865	53.480 ug/l		99
68) m/p-Xylenes	12.071	106	442765	111.160 ug/l		100
69) o-Xylene	12.394	106	207862	55.158 ug/l		98
70) Styrene	12.406	104	367629	57.594 ug/l		98
71) Bromoform	12.576	173	87003	56.348 ug/l	#	97
73) Isopropylbenzene	12.694	105	543431	51.385 ug/l		99
74) N-amyl acetate	12.494	43	237218	49.533 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	160145	50.359 ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	134170m	47.420 ug/l		
77) Bromobenzene	12.976	156	131034	51.366 ug/l		95
78) n-propylbenzene	13.035	91	649179	52.981 ug/l		99
79) 2-Chlorotoluene	13.123	91	396945	50.768 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	464199	53.809 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	58442m	49.520 ug/l		
82) 4-Chlorotoluene	13.218	91	406014	51.584 ug/l		98
83) tert-Butylbenzene	13.435	119	376330	49.081 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	465072	53.515 ug/l		100
85) sec-Butylbenzene	13.612	105	544439	53.211 ug/l		99
86) p-Isopropyltoluene	13.729	119	456315	53.933 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	243161	50.810 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	241454	49.961 ug/l		100
89) n-Butylbenzene	14.053	91	404862	52.772 ug/l		100
90) Hexachloroethane	14.329	117	84136	48.991 ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	233253	49.707 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30813	46.955 ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	120724	52.231 ug/l		99
94) Hexachlorobutadiene	15.500	225	54186	47.010 ug/l		98
95) Naphthalene	15.635	128	381581	49.799 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	117270	50.686 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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)

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

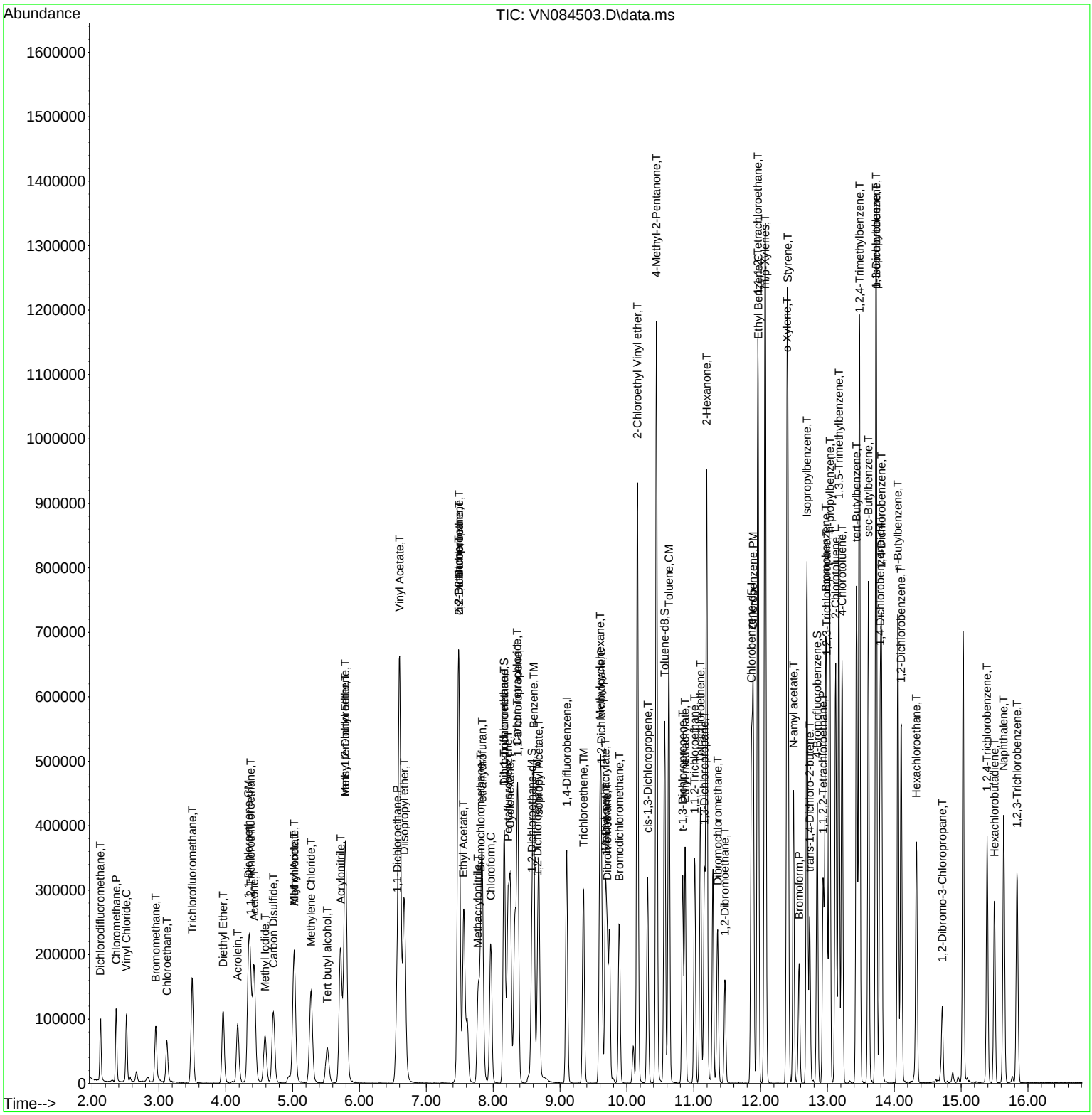
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

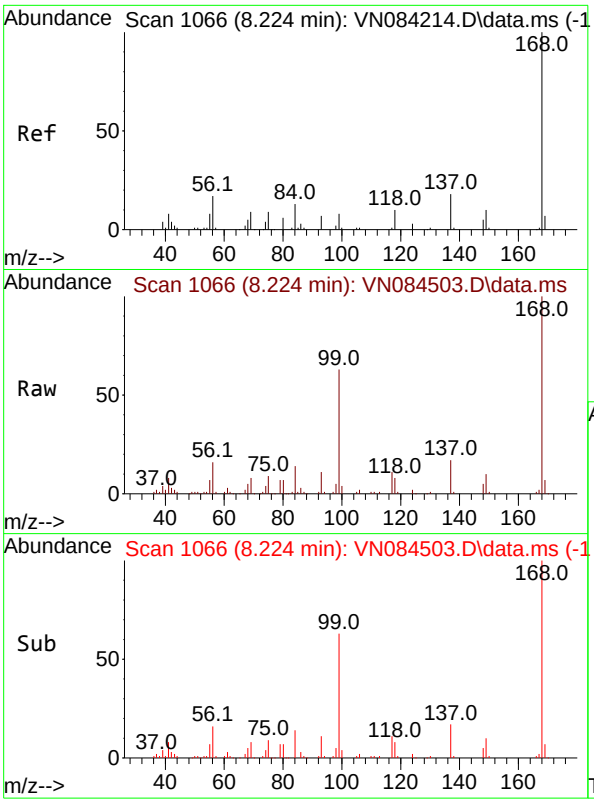
Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

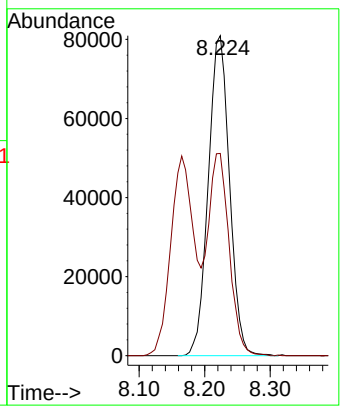




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:168 Resp: 18203

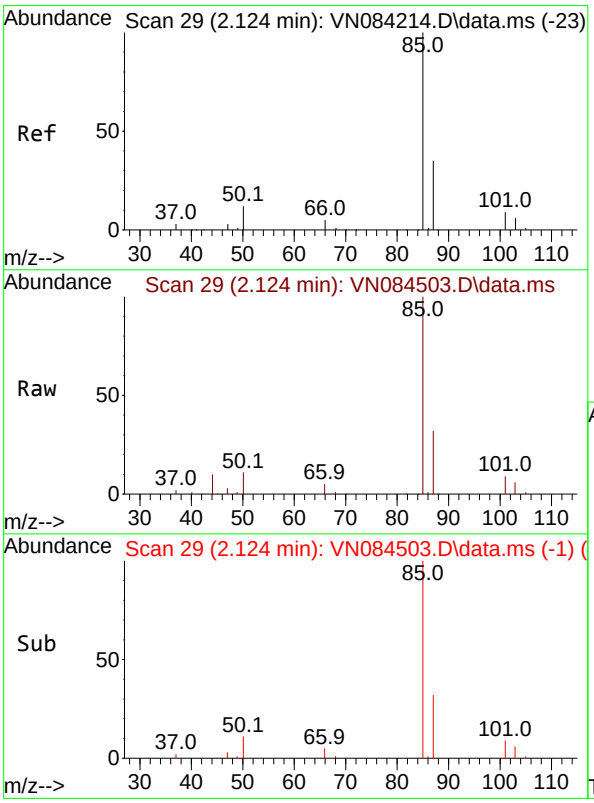
Ion	Ratio	Lower	Upper
168	100		
99	63.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

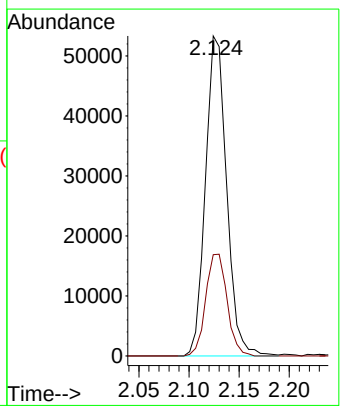
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

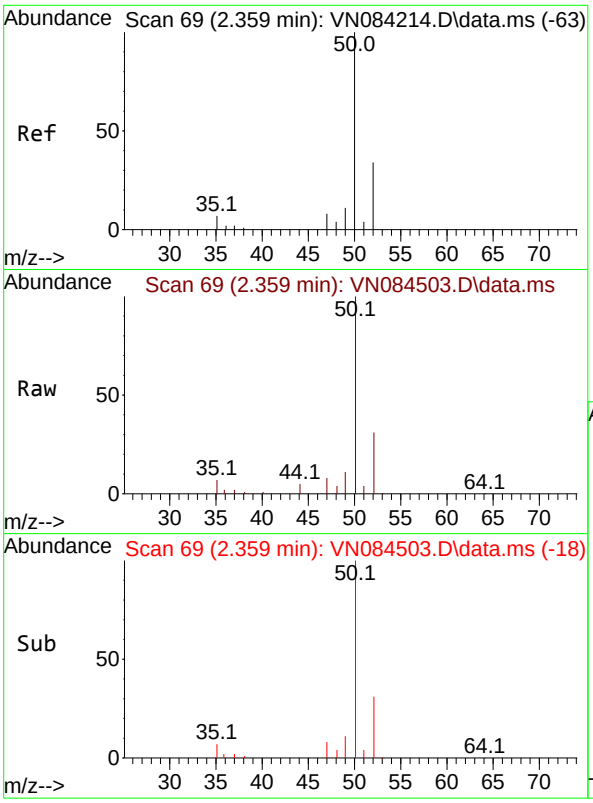


#2
Dichlorodifluoromethane
Concen: 36.398 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 85 Resp: 78372

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9

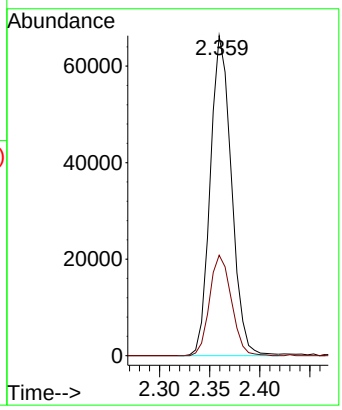




#3
Chloromethane
Concen: 39.648 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 50 Resp: 9747

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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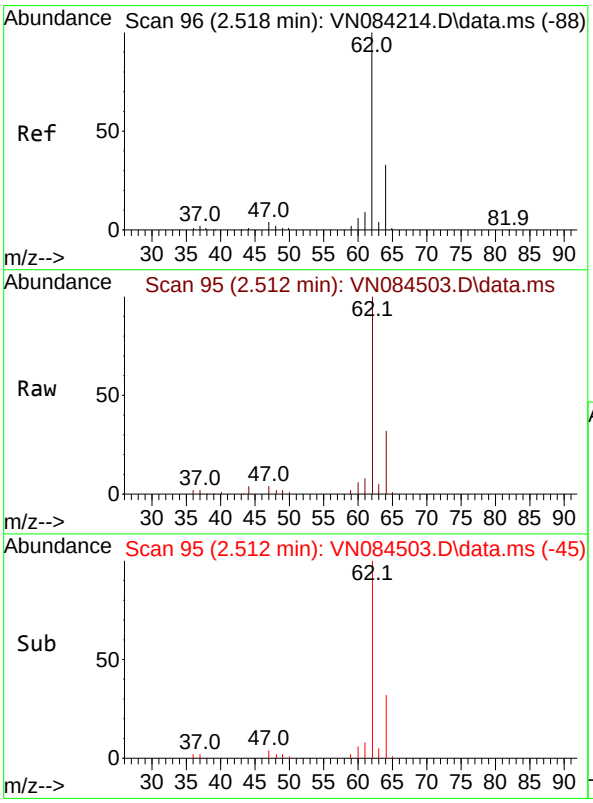
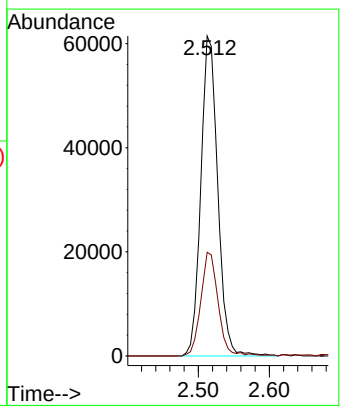
Supervised By :Mahesh Dadoda 10/28/2024

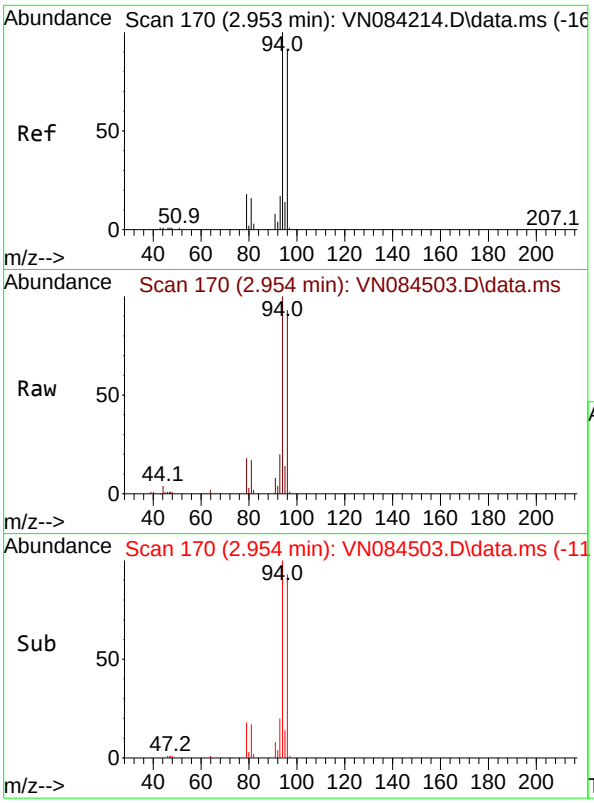


#4
Vinyl Chloride
Concen: 42.813 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 62 Resp: 101959

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.2	39.4

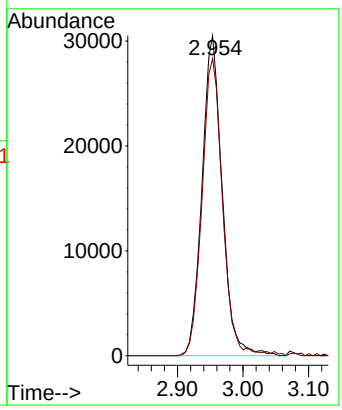




#5
Bromomethane
Concen: 41.516 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 94 Resp: 6521

Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
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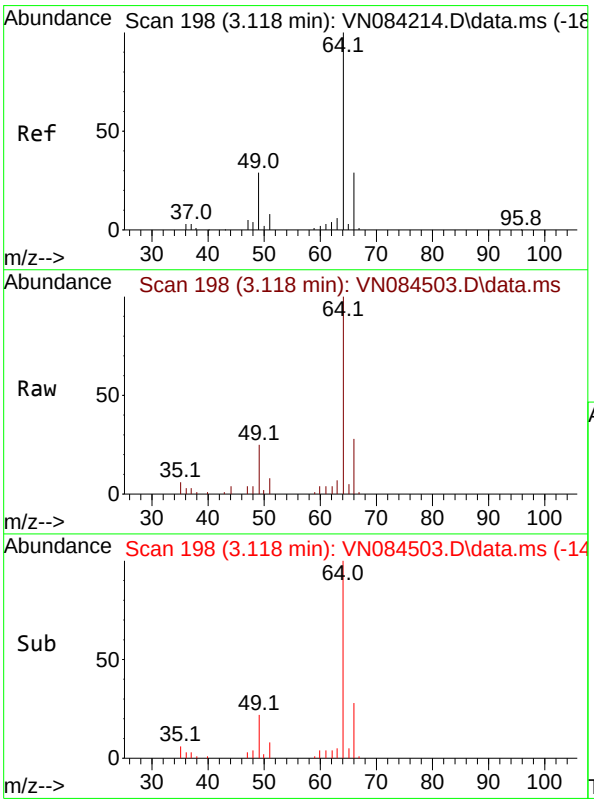
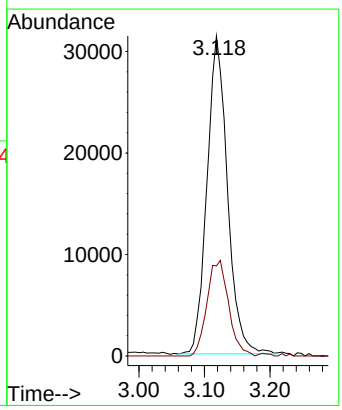
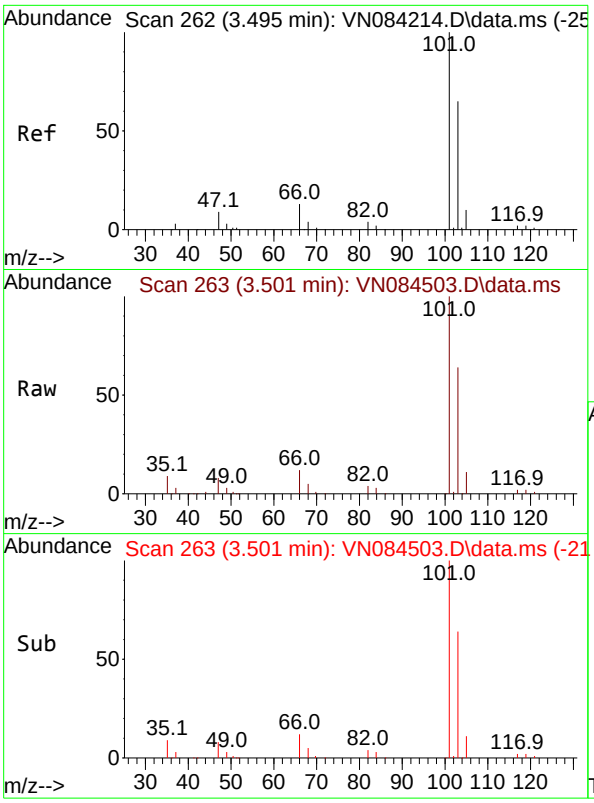


#6
Chloroethane
Concen: 39.884 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 64 Resp: 68025

Ion	Ratio	Lower	Upper
64	100		
66	28.3	23.5	35.3





#7
Trichlorofluoromethane
Concen: 47.378 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:101 Resp: 175700

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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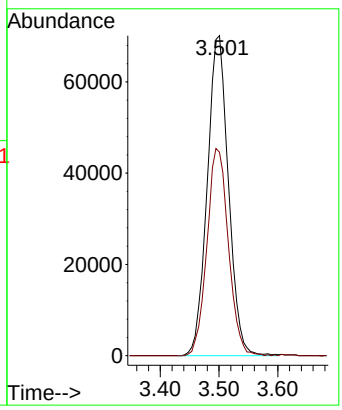
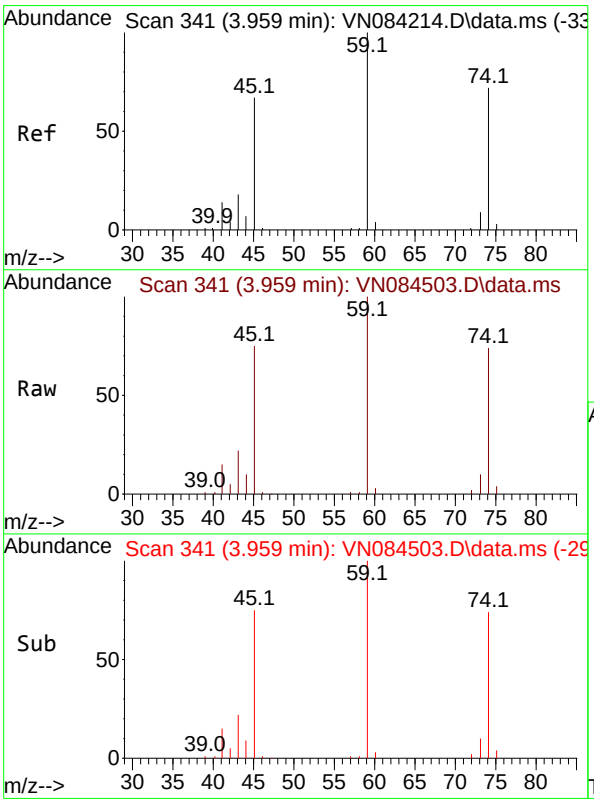
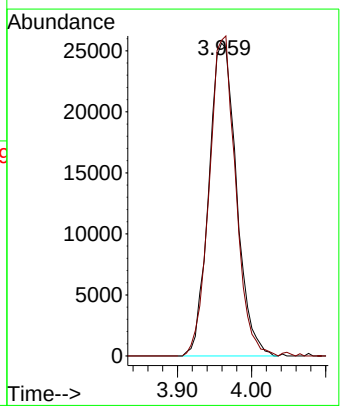


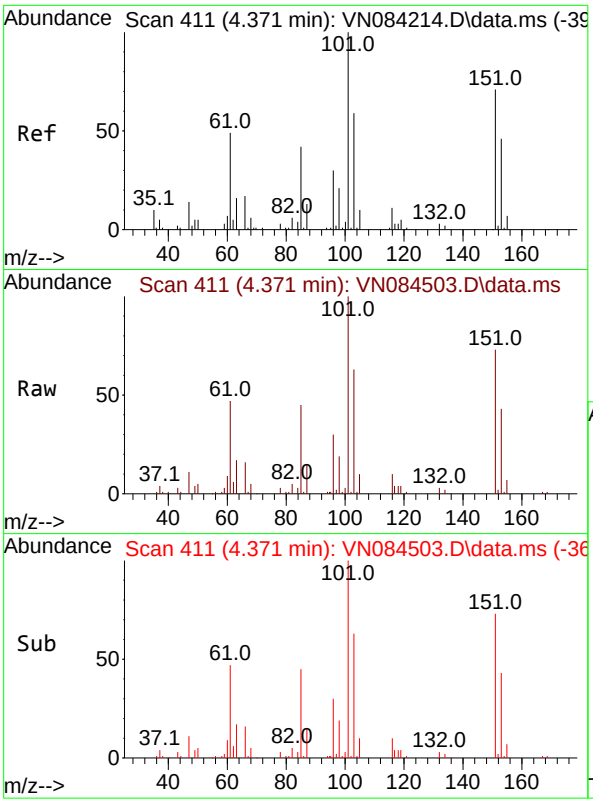


#8
Diethyl Ether
Concen: 48.384 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 74 Resp: 66547

Ion	Ratio	Lower	Upper
74	100		
45	97.3	47.7	143.1

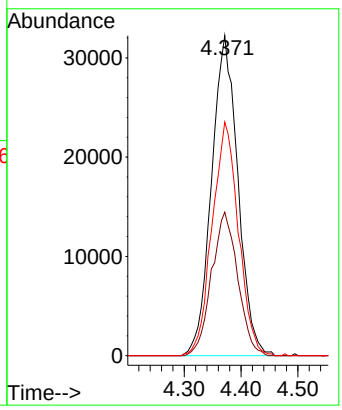




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.848 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:101 Resp: 10379

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	72.9	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
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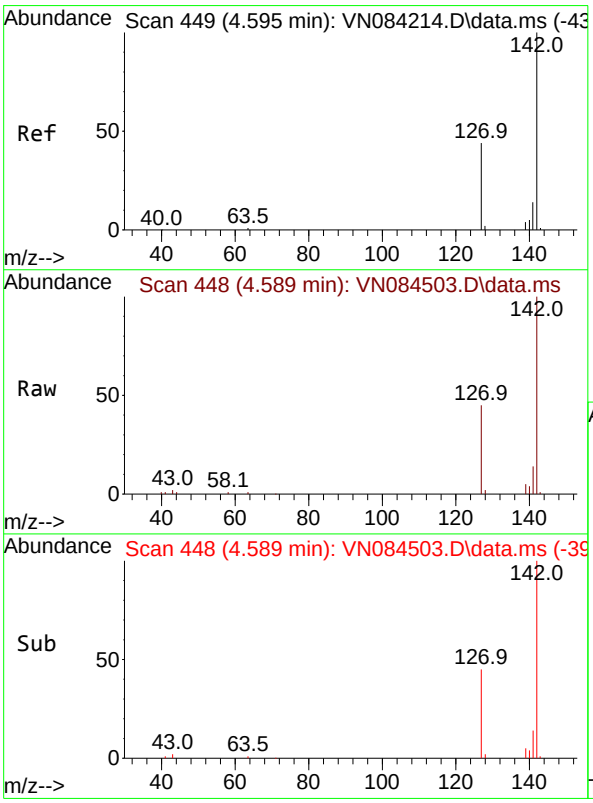
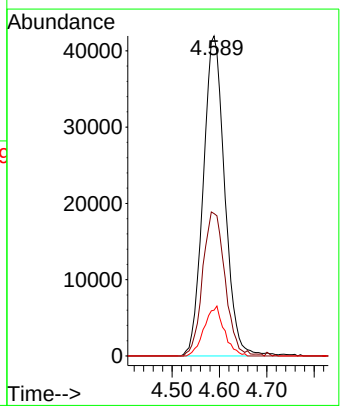
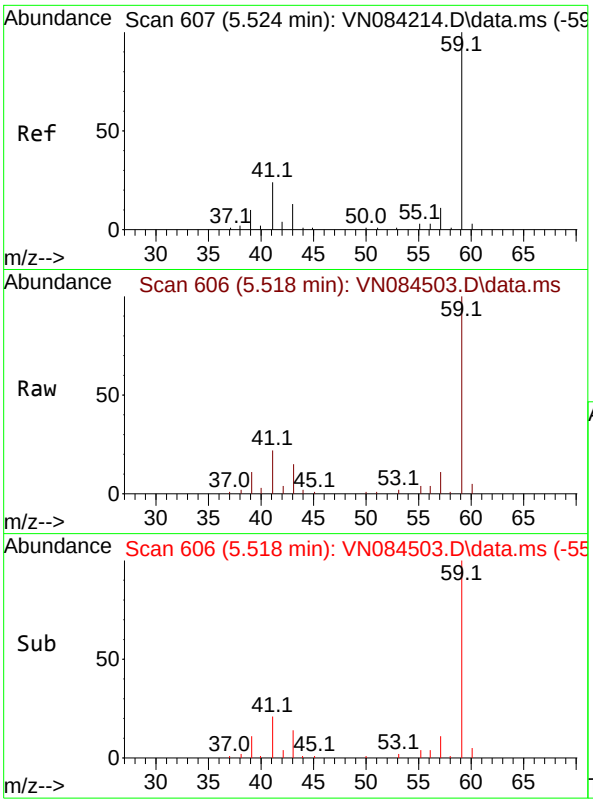


#10
Methyl Iodide
Concen: 48.314 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:142 Resp: 132208

Ion	Ratio	Lower	Upper
142	100		
127	44.5	35.3	52.9
141	14.3	11.0	16.6





#11
Tert butyl alcohol
Concen: 230.135 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 59 Resp: 10242

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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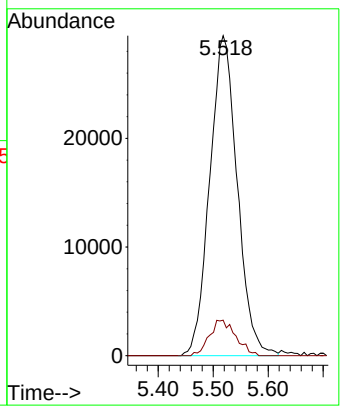
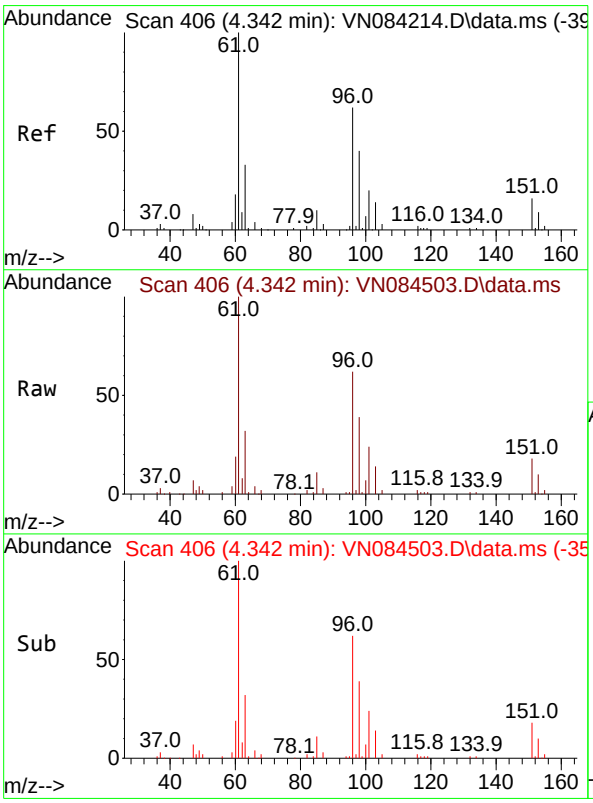
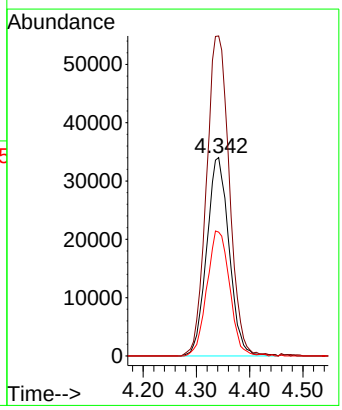


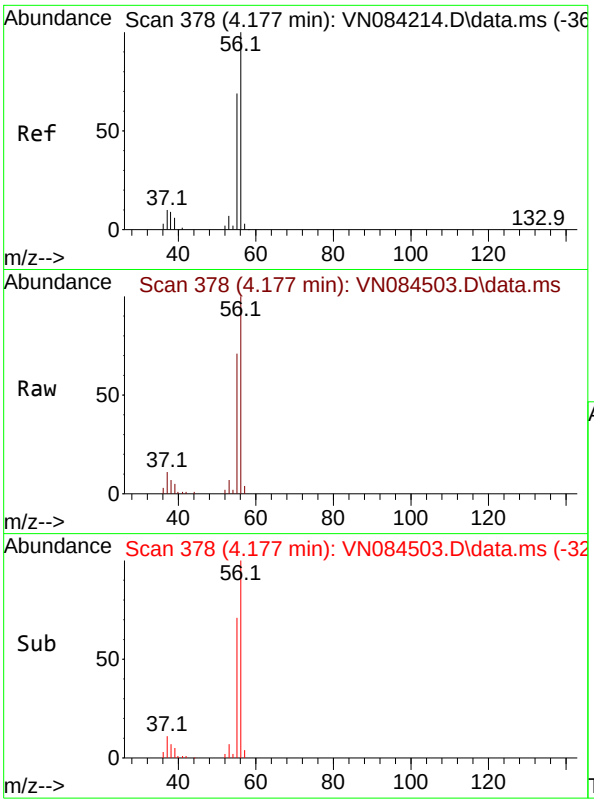


#12
1,1-Dichloroethene
Concen: 48.448 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 96 Resp: 99299

Ion	Ratio	Lower	Upper
96	100		
61	161.3	128.6	192.8
98	62.5	51.7	77.5

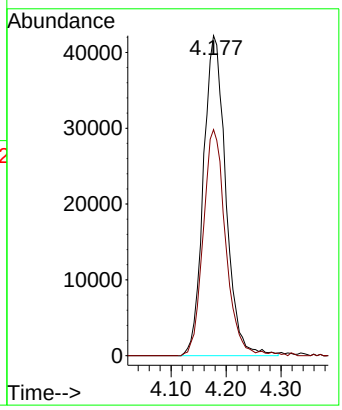




#13
Acrolein
Concen: 233.122 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 56 Resp: 11910

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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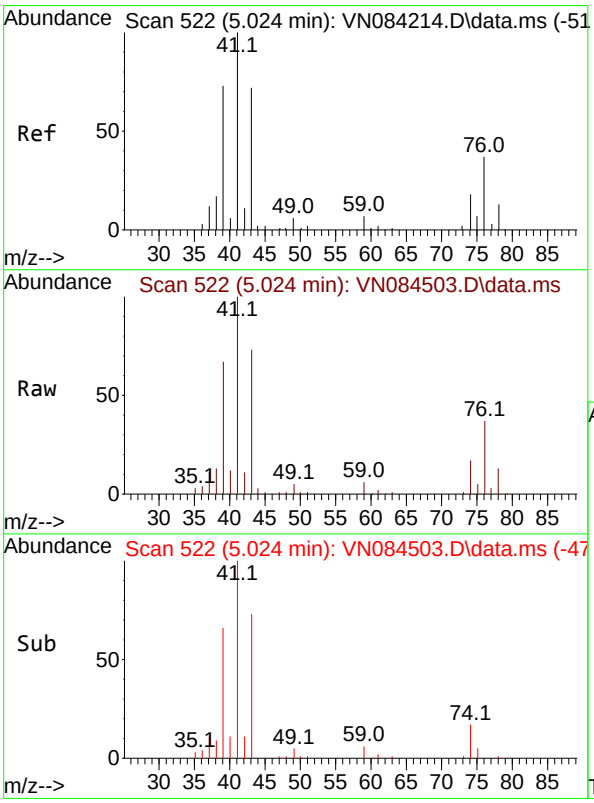
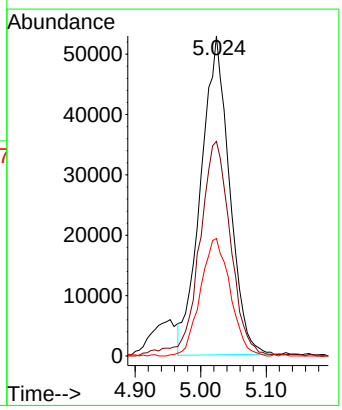
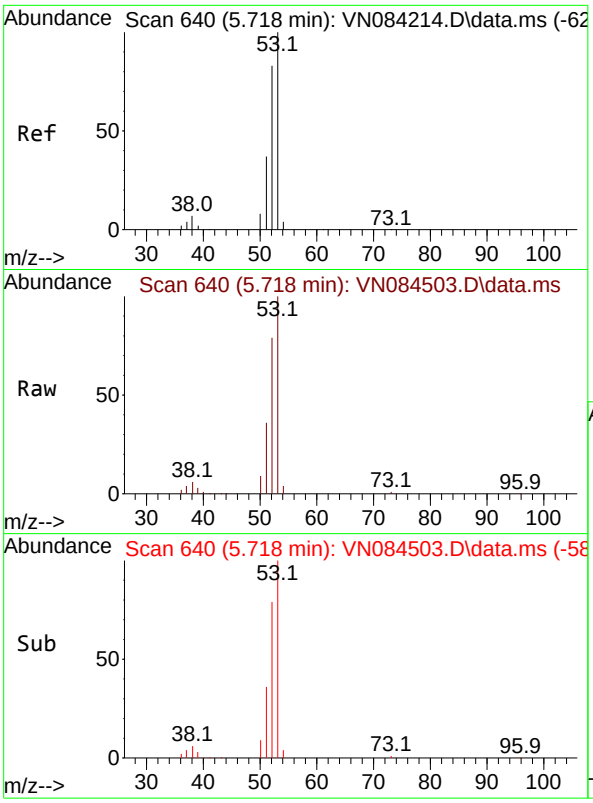


#14
Allyl chloride
Concen: 44.943 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 159978

Ion	Ratio	Lower	Upper
41	100		
39	73.4	59.0	88.6
76	38.4	29.8	44.6

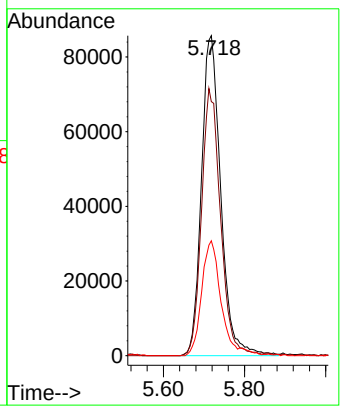




#15
Acrylonitrile
Concen: 252.096 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 53 Resp: 28332

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	36.3	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
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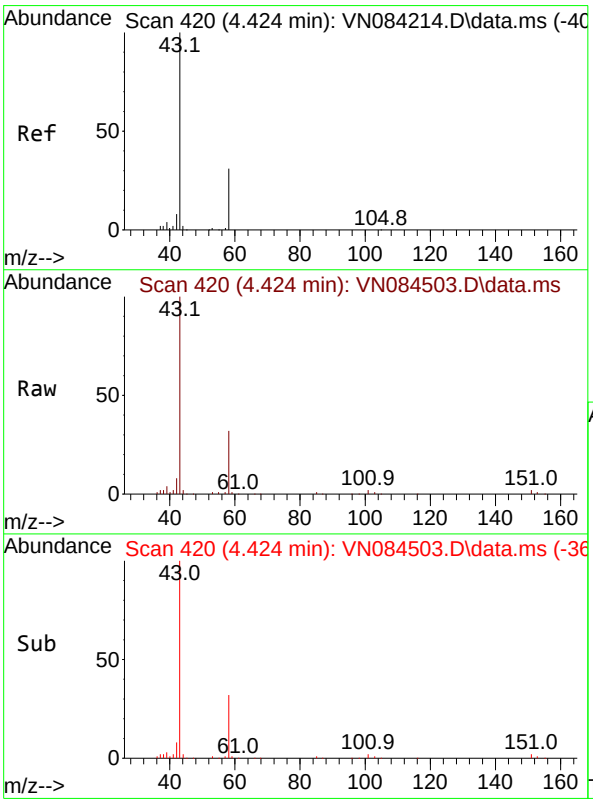
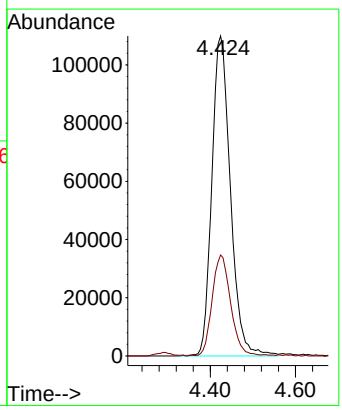
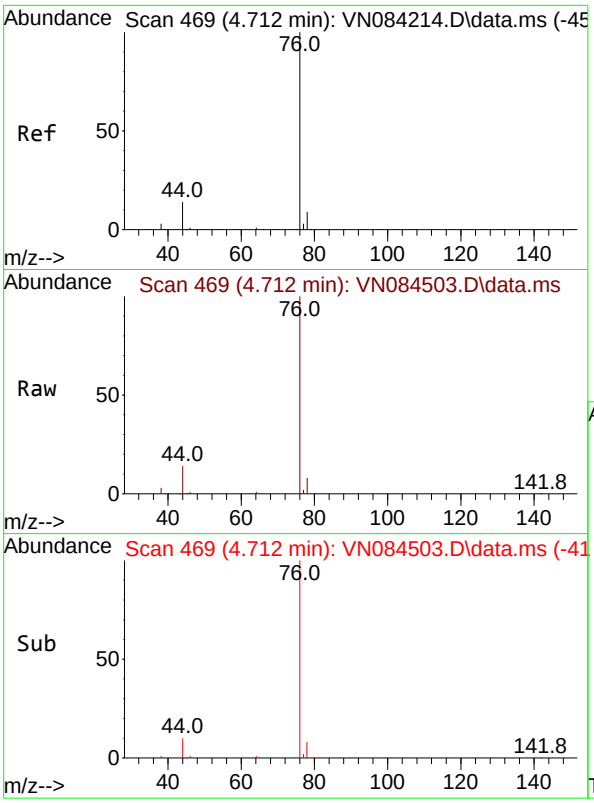


#16
Acetone
Concen: 286.656 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 332361

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6

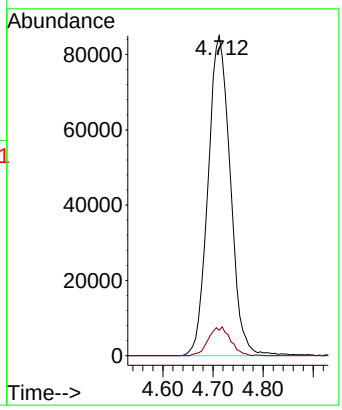




#17
Carbon Disulfide
Concen: 40.440 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 76 Resp: 26242

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9



Instrument :
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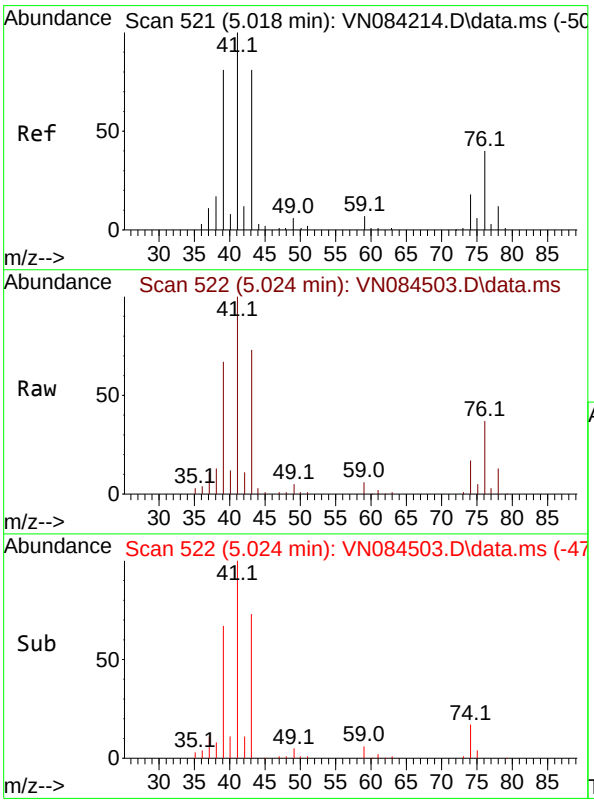
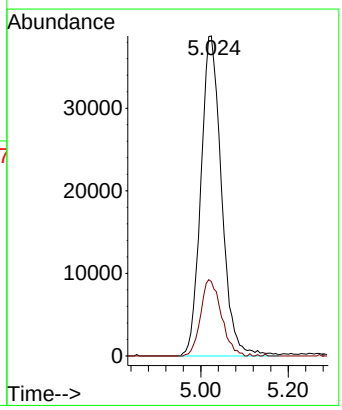
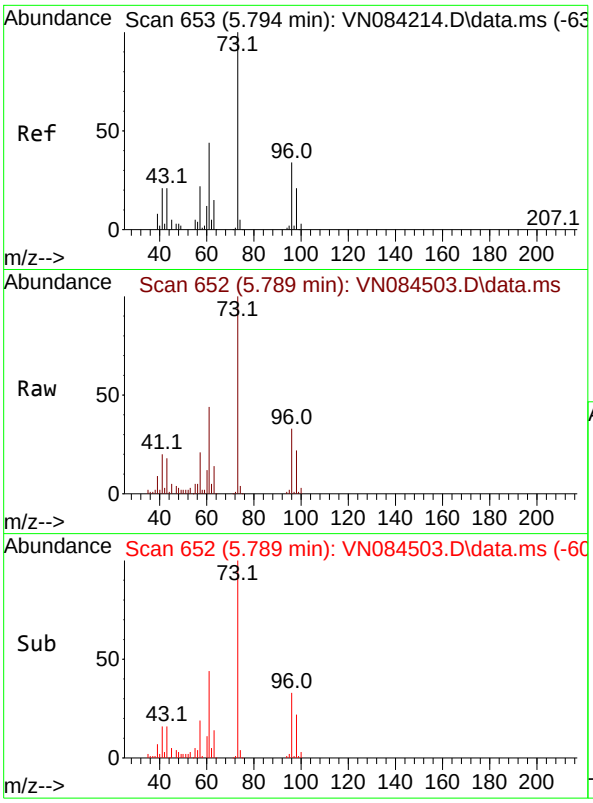


#18
Methyl Acetate
Concen: 50.414 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 127400

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8

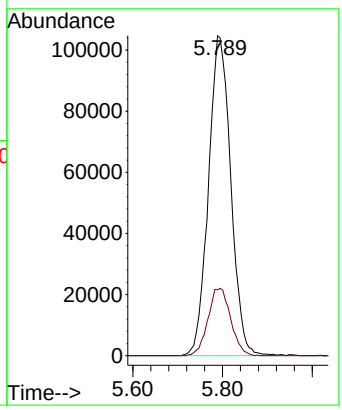




#19
Methyl tert-butyl Ether
Concen: 52.287 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 73 Resp: 36170

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5



Instrument :
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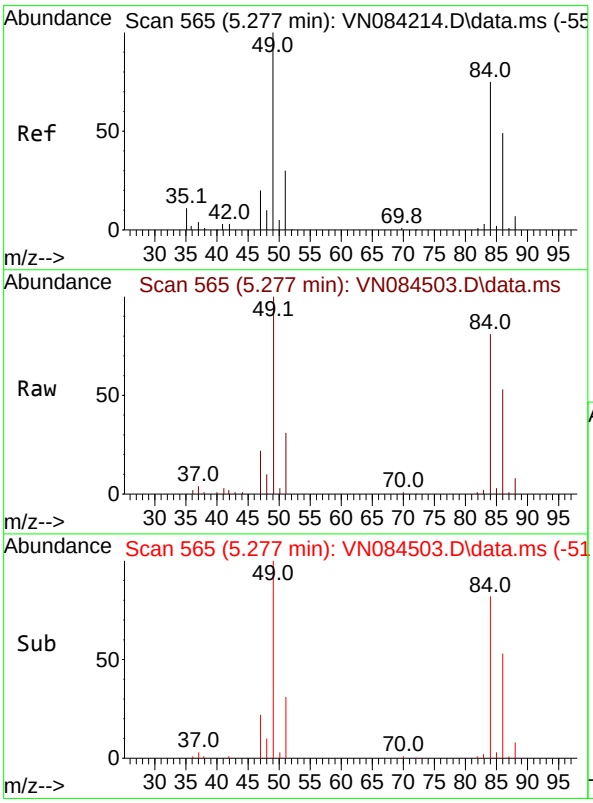
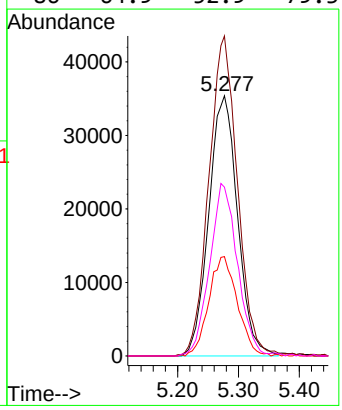
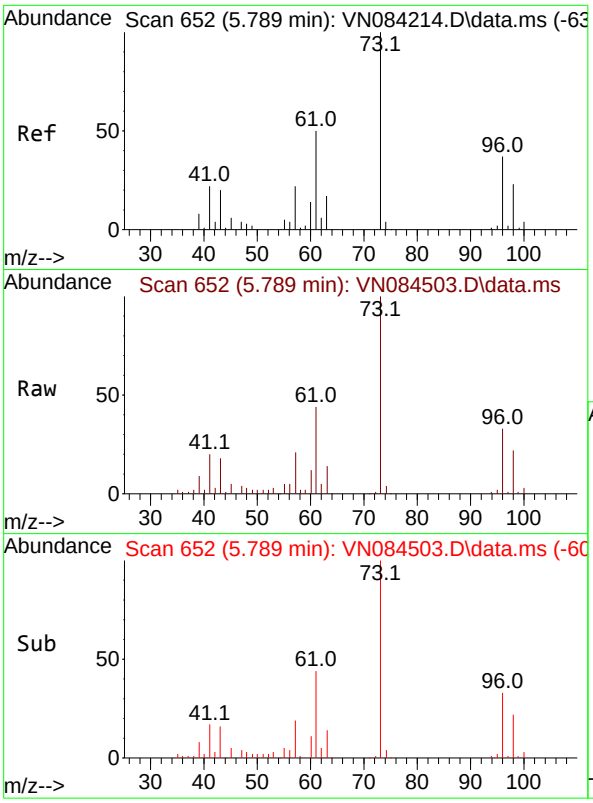


#20
Methylene Chloride
Concen: 49.315 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 84 Resp: 116230

Ion	Ratio	Lower	Upper
84	100		
49	122.5	107.2	160.8
51	38.2	31.8	47.8
86	64.9	52.9	79.3

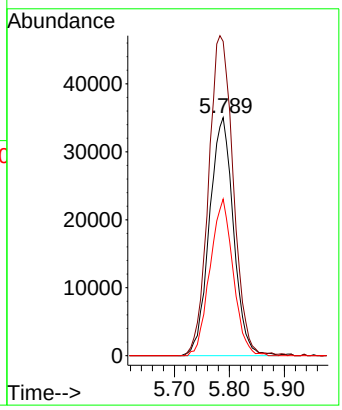




#21
trans-1,2-Dichloroethene
Concen: 49.634 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 96 Resp: 10658

Ion	Ratio	Lower	Upper
96	100		
61	132.0	108.4	162.6
98	65.8	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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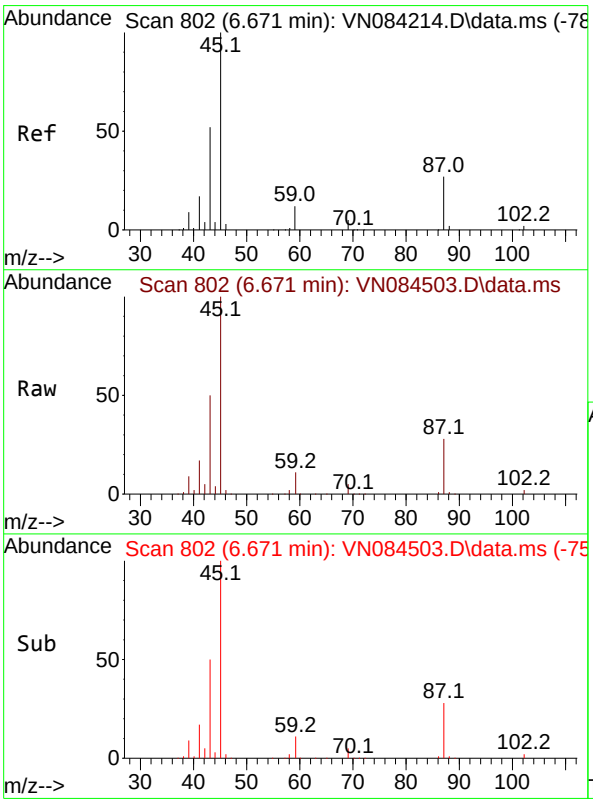
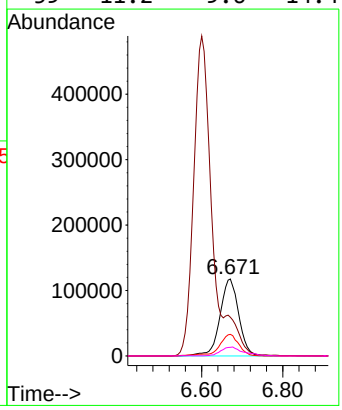
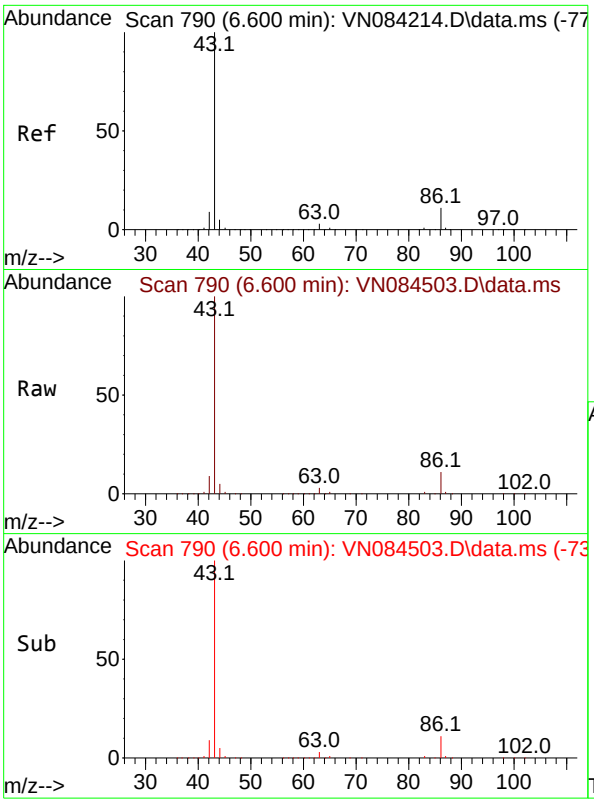


#22
Diisopropyl ether
Concen: 51.282 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 45 Resp: 377582

Ion	Ratio	Lower	Upper
45	100		
43	49.6	42.3	63.5
87	28.1	21.8	32.6
59	11.2	9.6	14.4

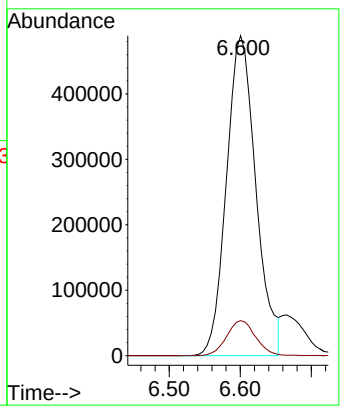




#23
Vinyl Acetate
Concen: 258.787 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 141322

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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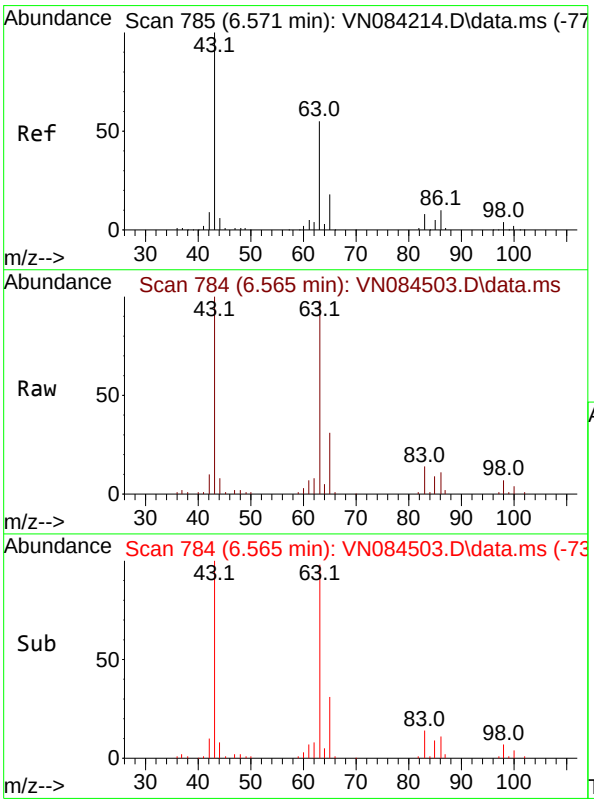
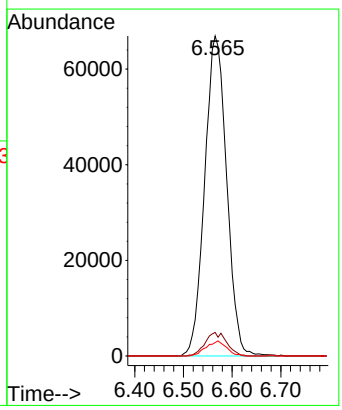
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

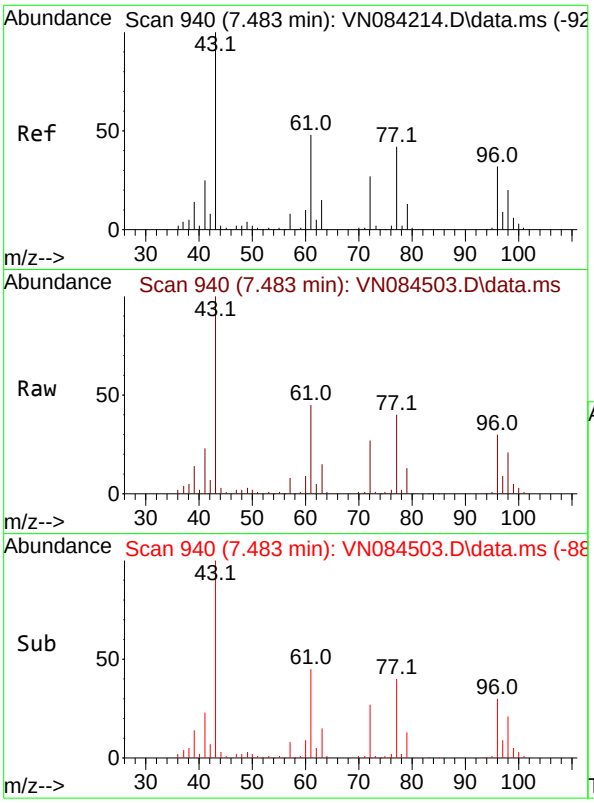


#24
1,1-Dichloroethane
Concen: 50.906 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 209603

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.2	2.0	5.8

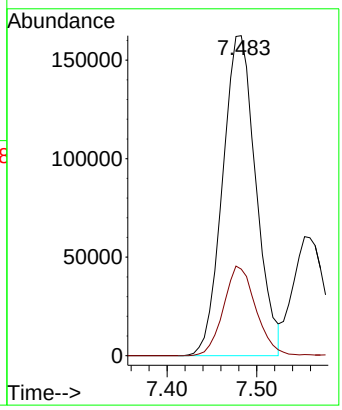




#25
2-Butanone
Concen: 265.466 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 41921

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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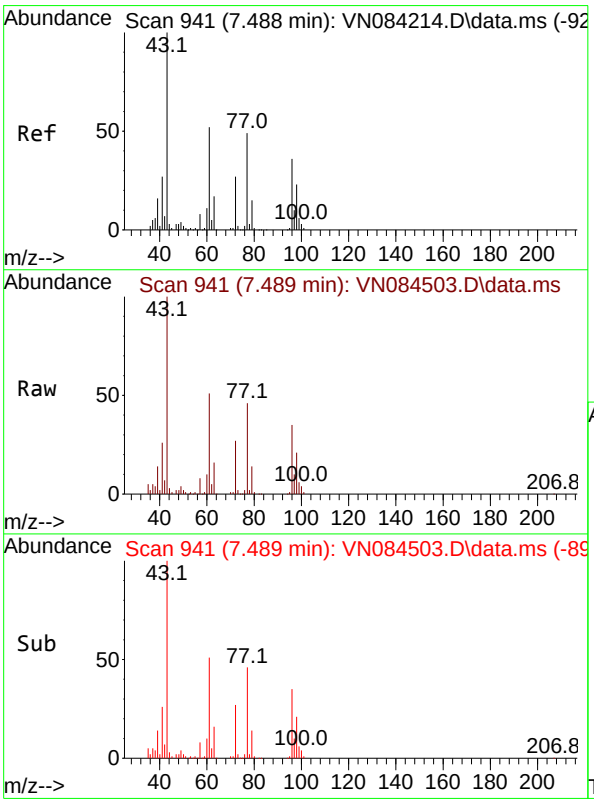
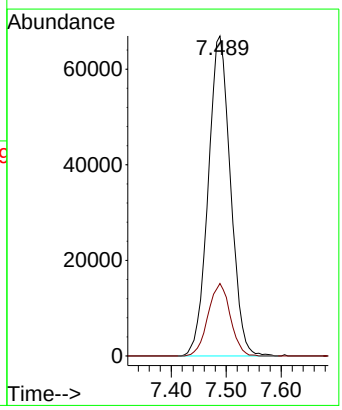
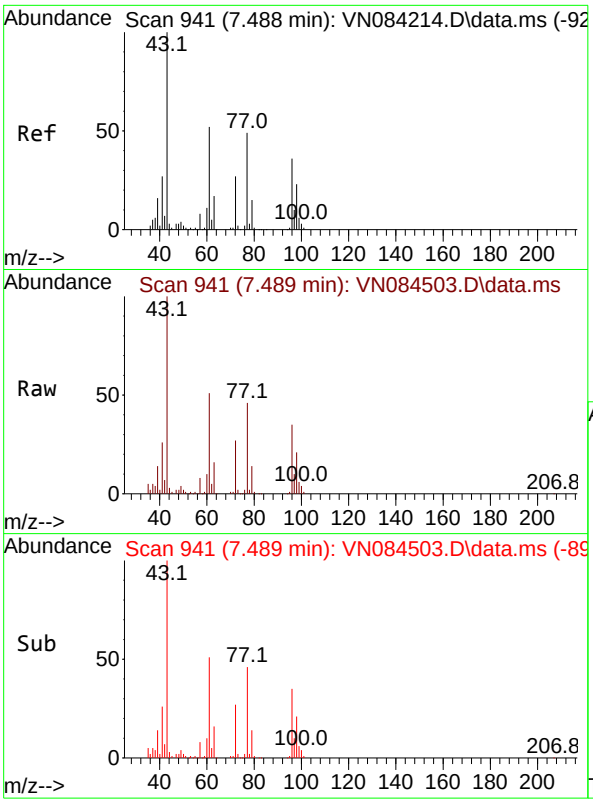


#26
2,2-Dichloropropane
Concen: 50.799 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 77 Resp: 188590

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 50.644 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 96 Resp: 13141

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.8
98	65.0	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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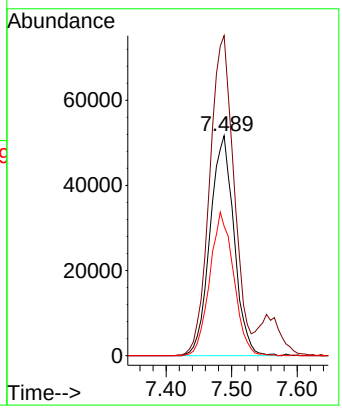
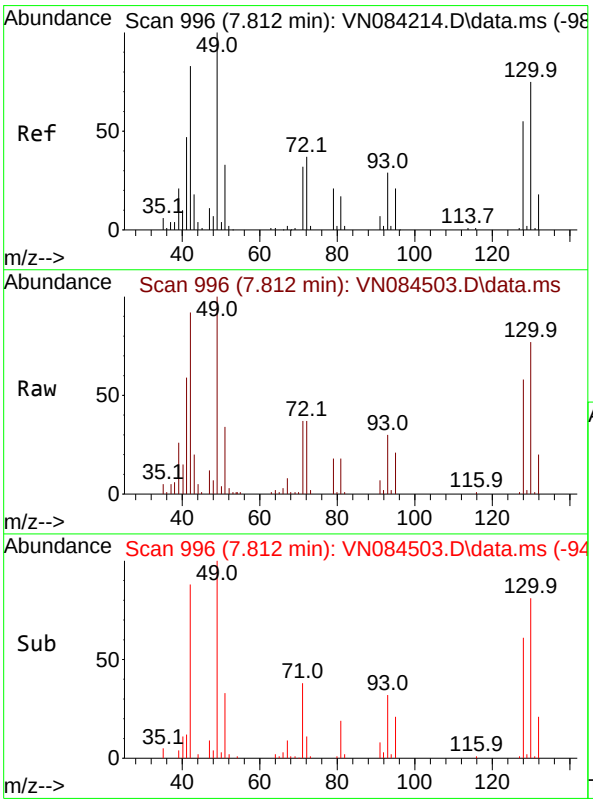
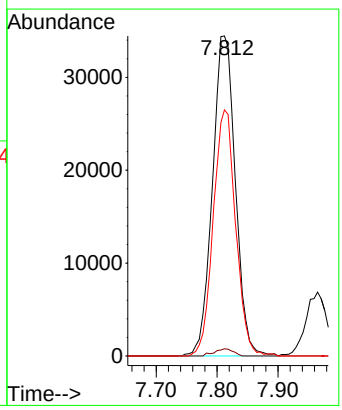


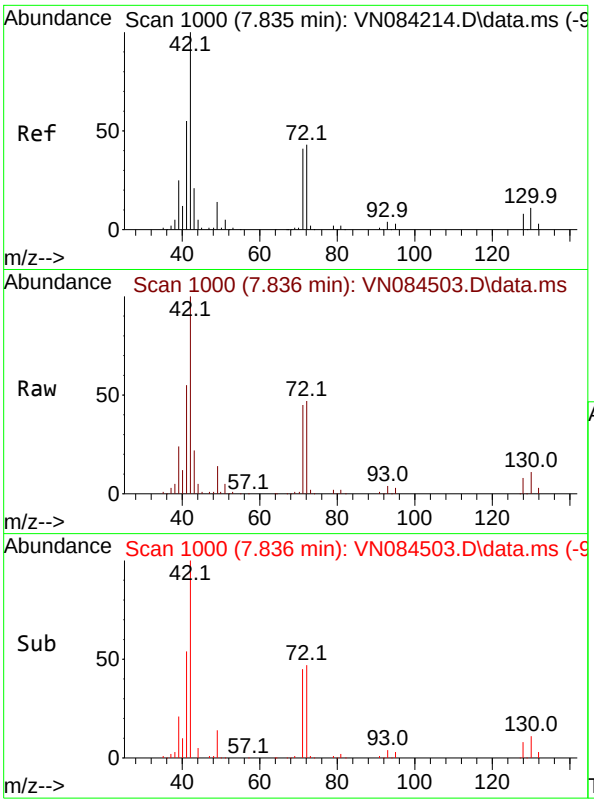


#28
Bromochloromethane
Concen: 49.119 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 49 Resp: 90237

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	75.1	58.0	87.0

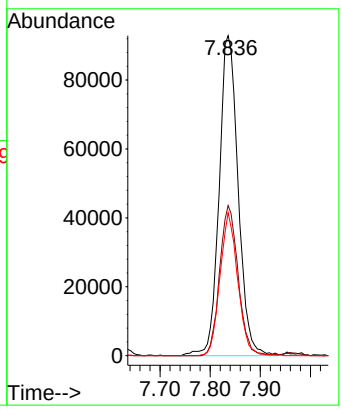




#29
Tetrahydrofuran
Concen: 251.177 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 42 Resp: 24478

Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.6	51.8
71	41.7	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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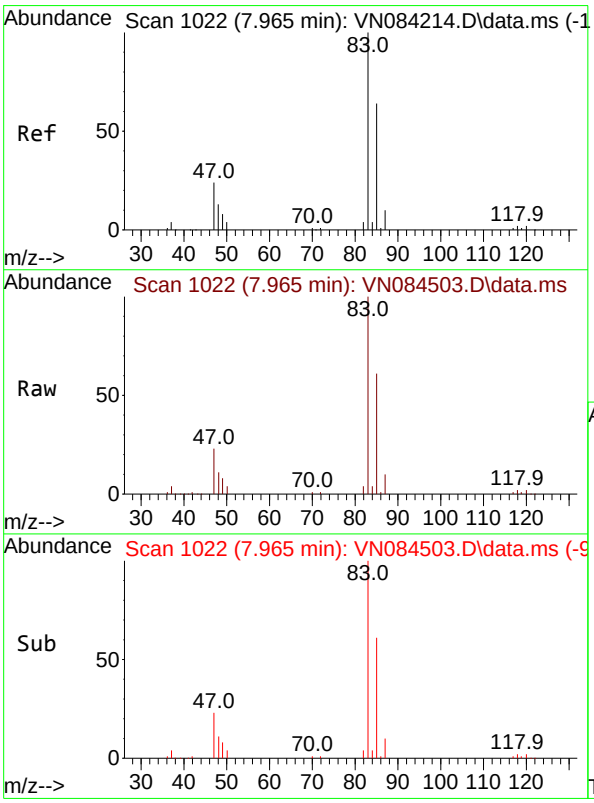
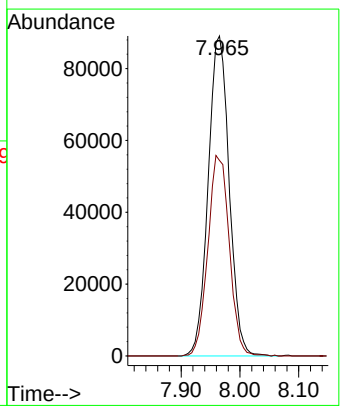
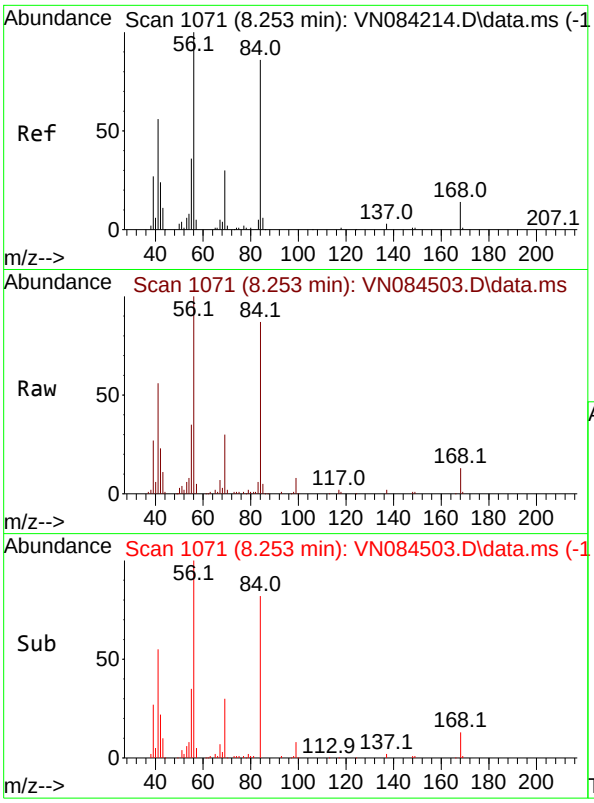


#30
Chloroform
Concen: 51.643 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 83 Resp: 220877

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.0	76.4

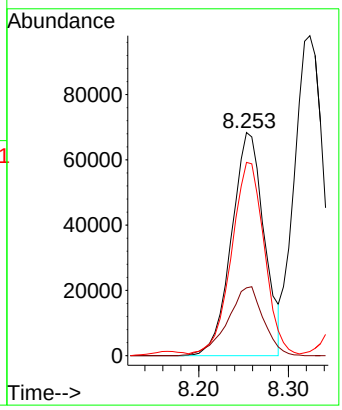




#31
Cyclohexane
Concen: 43.113 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 56 Resp: 17235

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	85.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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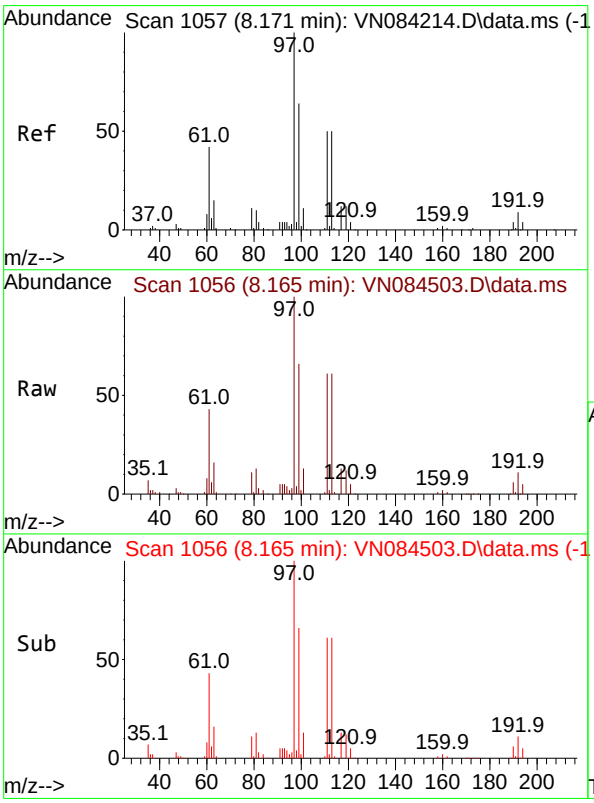
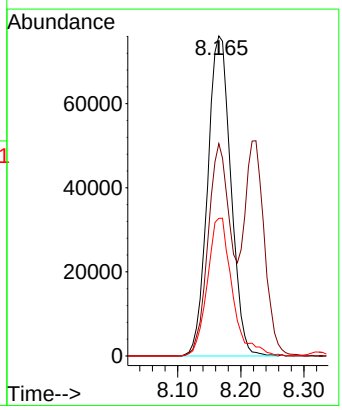
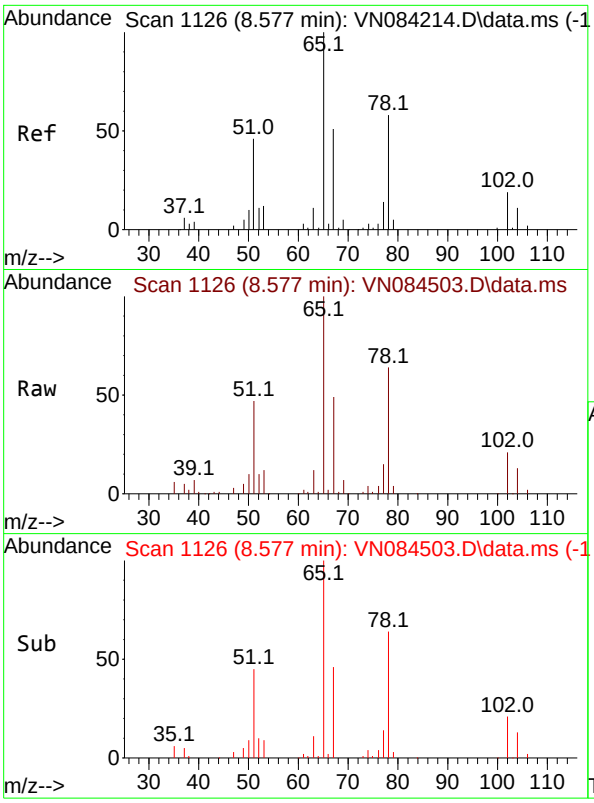


#32
1,1,1-Trichloroethane
Concen: 50.664 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 97 Resp: 194610

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	46.1	37.5	56.3

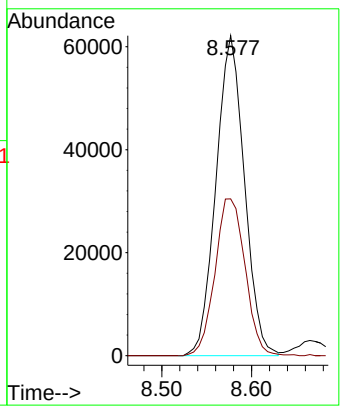




#33
1,2-Dichloroethane-d4
Concen: 50.628 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 65 Resp: 13664

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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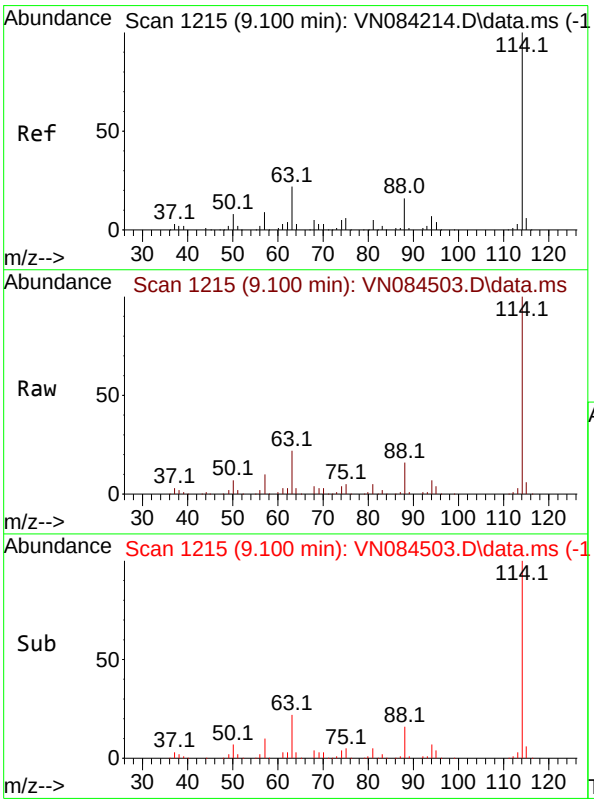
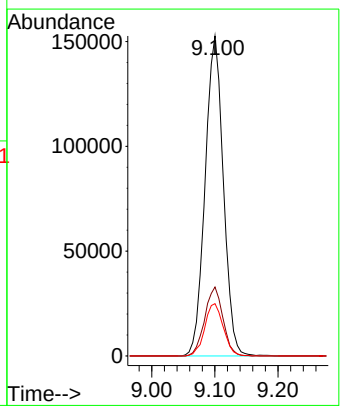
Supervised By :Mahesh Dadoda 10/28/2024

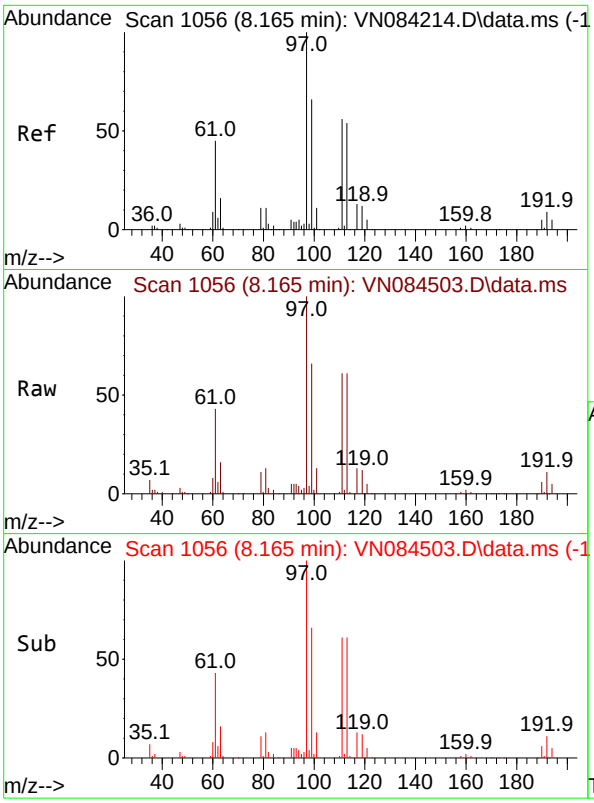


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:114 Resp: 306519

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	16.4	0.0	31.6

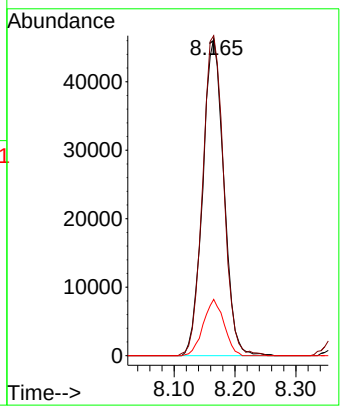




#35
Dibromofluoromethane
Concen: 55.017 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:113 Resp: 11117

Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.3	124.9
192	17.5	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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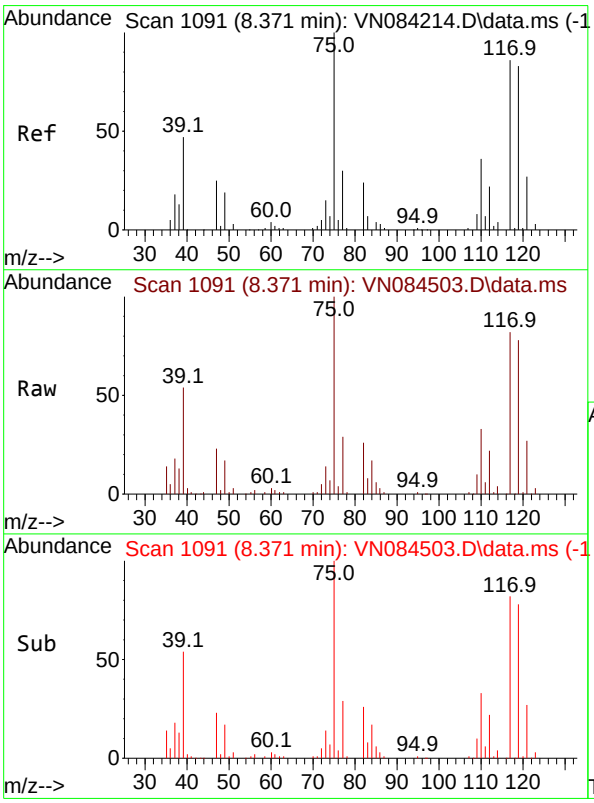
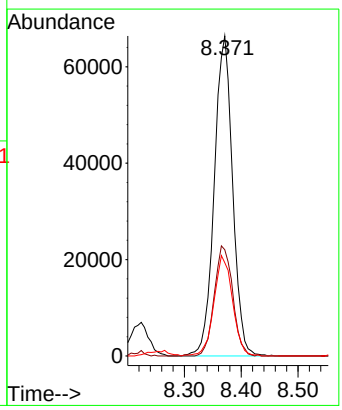
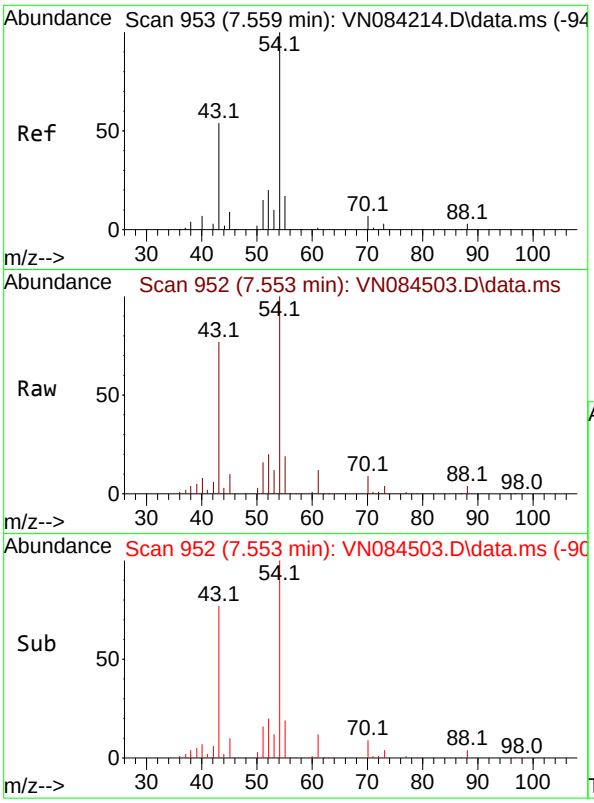


#36
1,1-Dichloropropene
Concen: 50.818 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 149163

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	31.9	24.7	37.1





#37
Ethyl Acetate
Concen: 51.219 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 15423

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	11.1	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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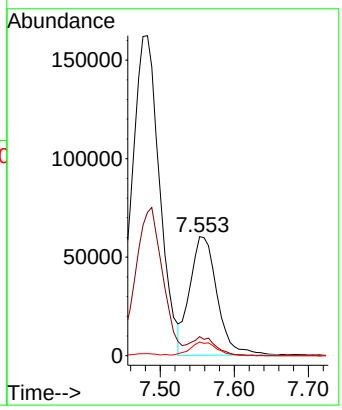
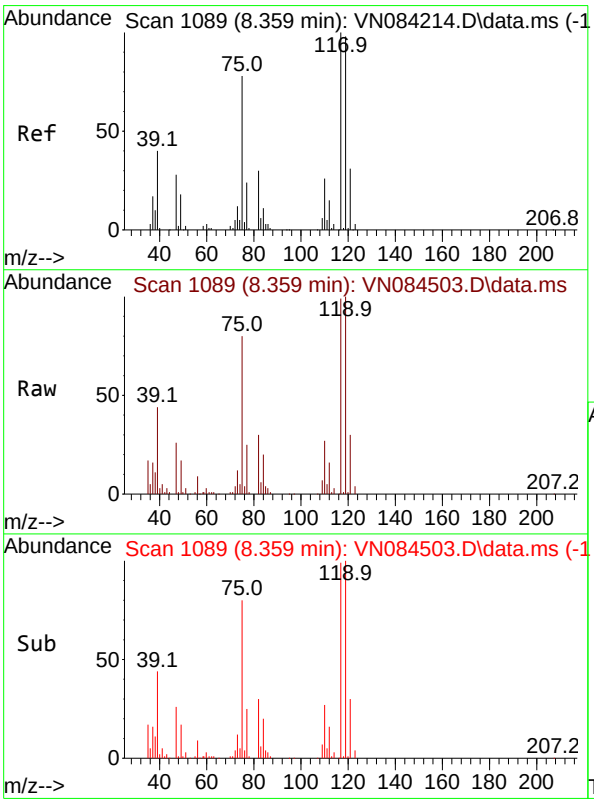
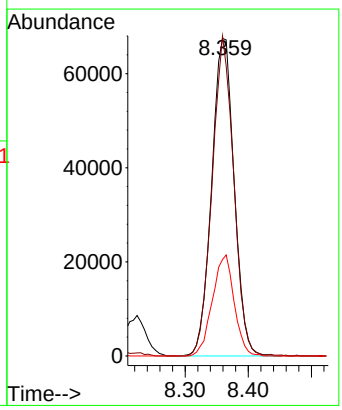


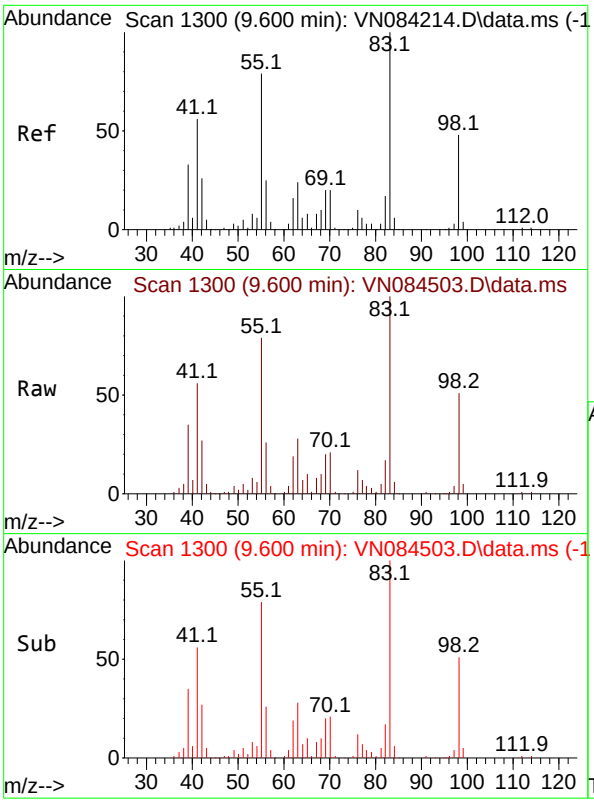


#38
Carbon Tetrachloride
Concen: 51.799 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:117 Resp: 166783

Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.7	118.1
121	30.4	24.4	36.6

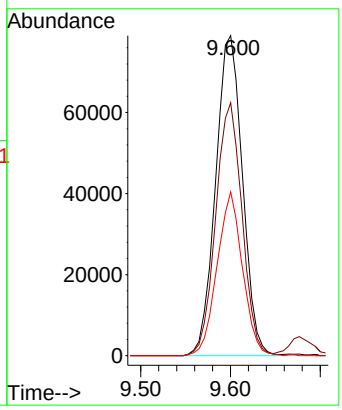




#39
Methylcyclohexane
Concen: 50.207 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 83 Resp: 16401

Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.8	94.2
98	51.2	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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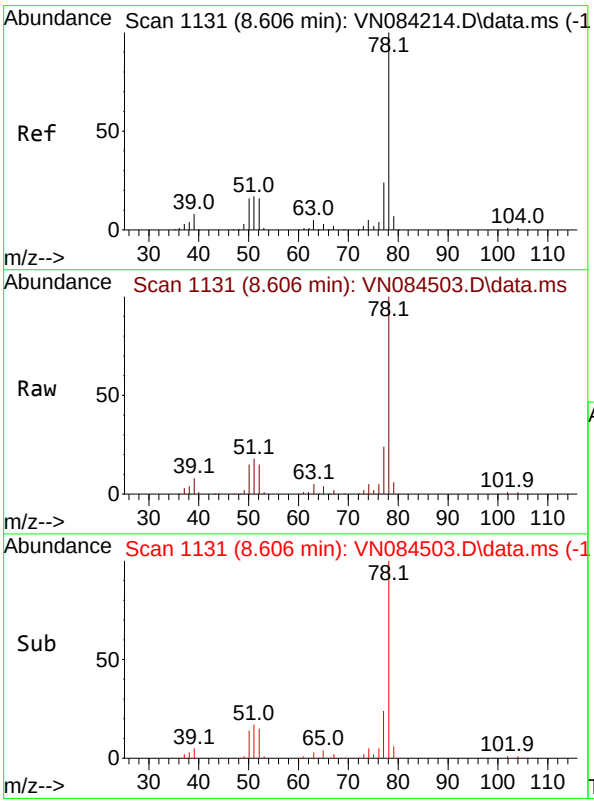
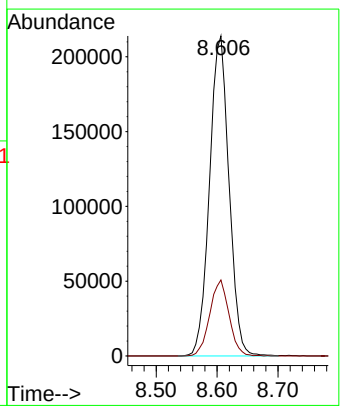
Supervised By :Mahesh Dadoda 10/28/2024

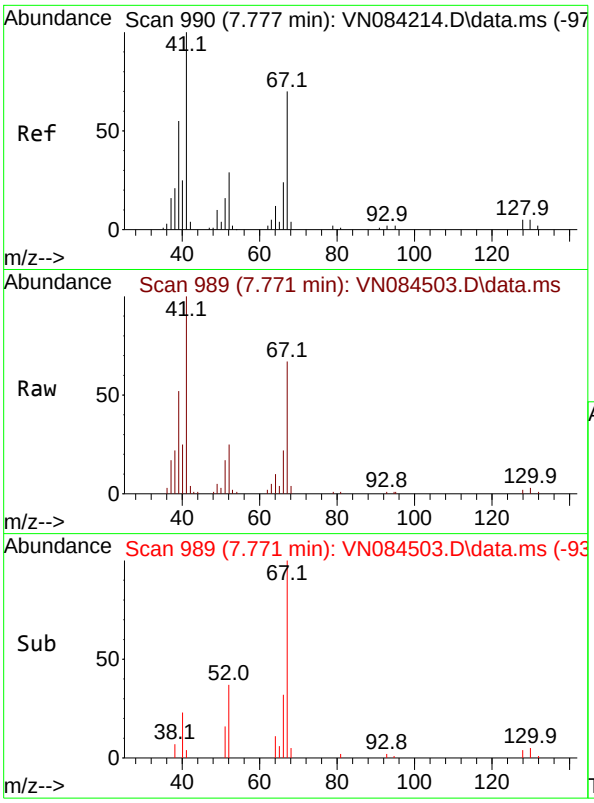


#40
Benzene
Concen: 52.089 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 78 Resp: 476364

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7

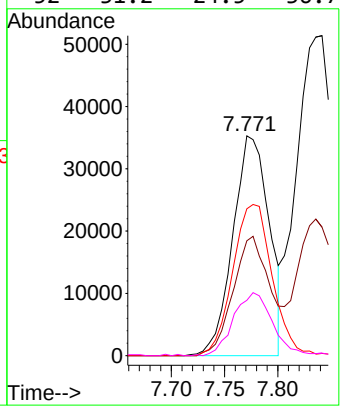




#41
Methacrylonitrile
Concen: 51.176 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 8366

Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.3	64.9
67	75.1	56.1	84.1
52	31.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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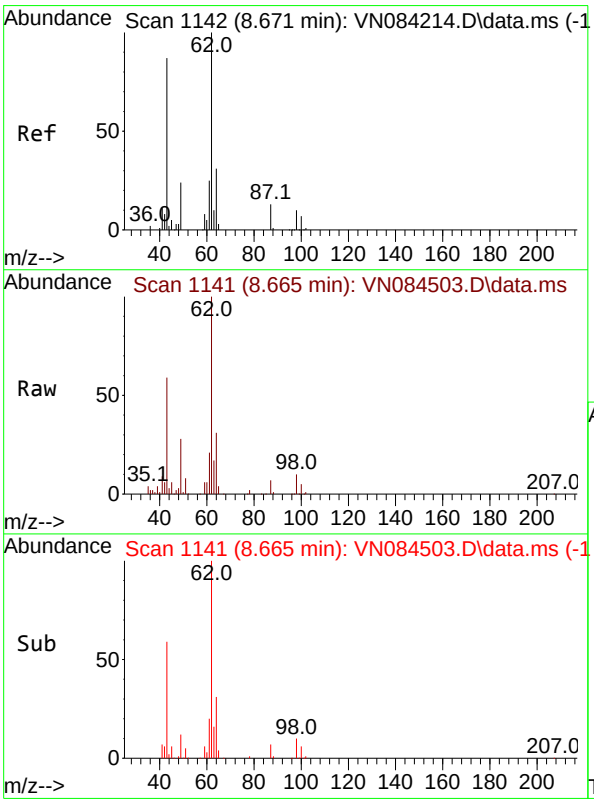
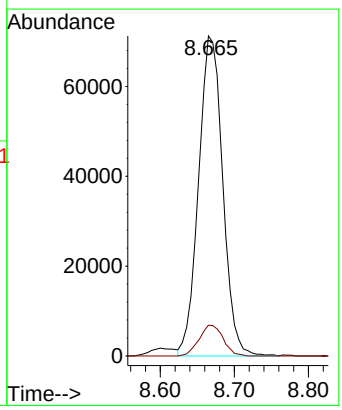
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

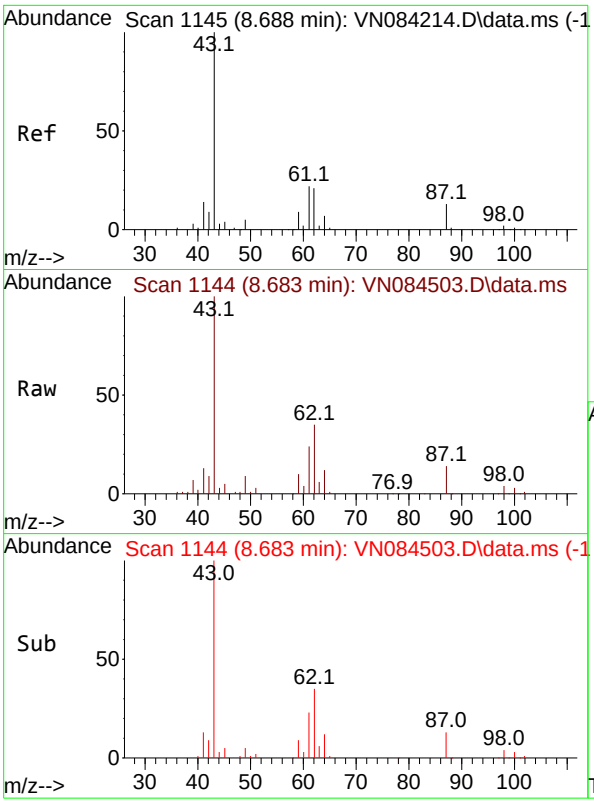


#42
1,2-Dichloroethane
Concen: 52.064 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 62 Resp: 161416

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2





#43
Isopropyl Acetate
Concen: 49.368 ug/l
RT: 8.683 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 29118

Ion	Ratio	Lower	Upper
43	100		
61	24.3	20.4	30.6
87	12.3	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
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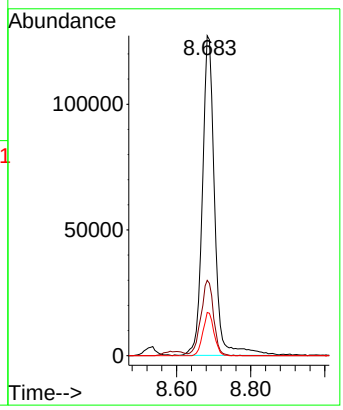
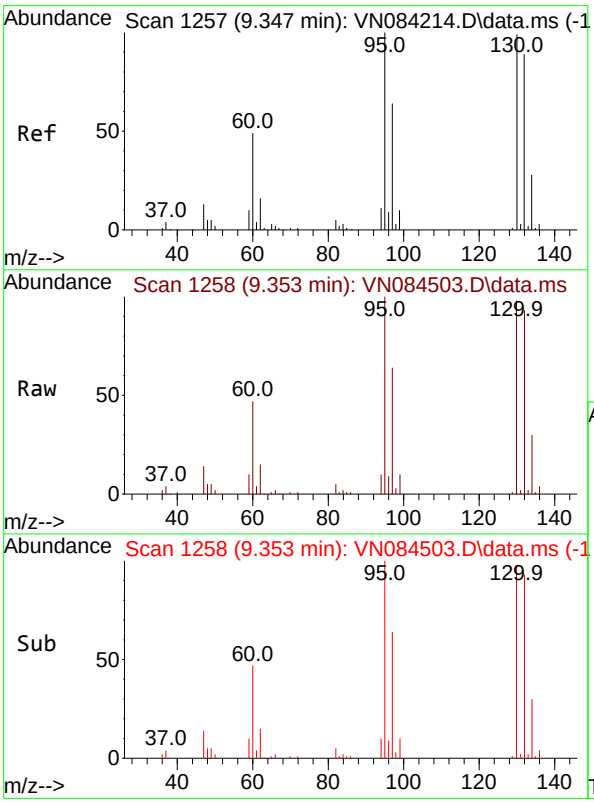
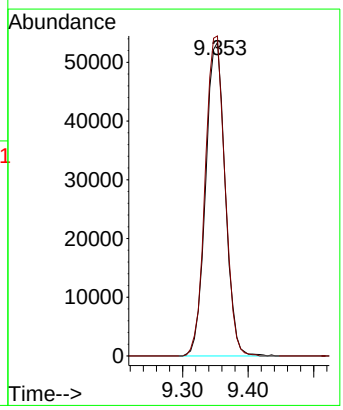


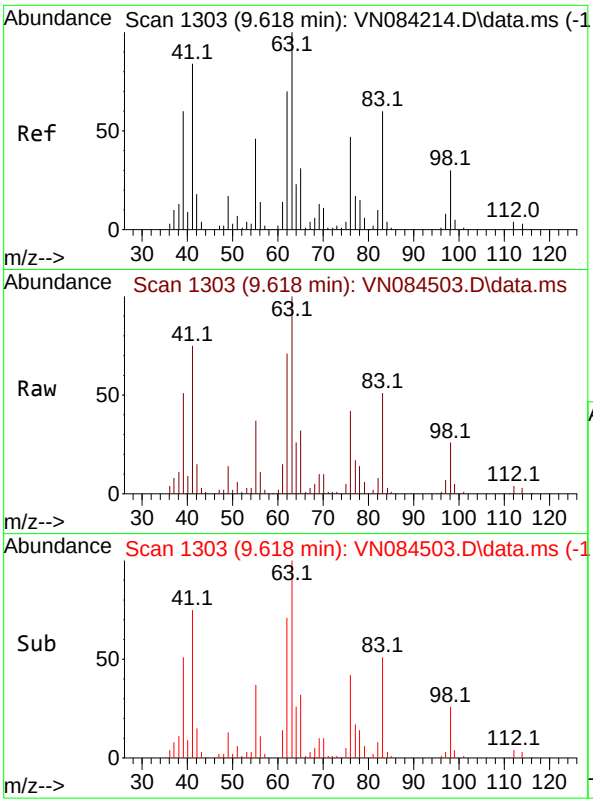


#44
Trichloroethene
Concen: 51.762 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:130 Resp: 110560

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	203.0

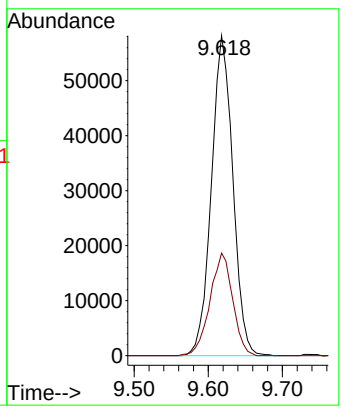




#45
1,2-Dichloropropane
Concen: 54.048 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 11692

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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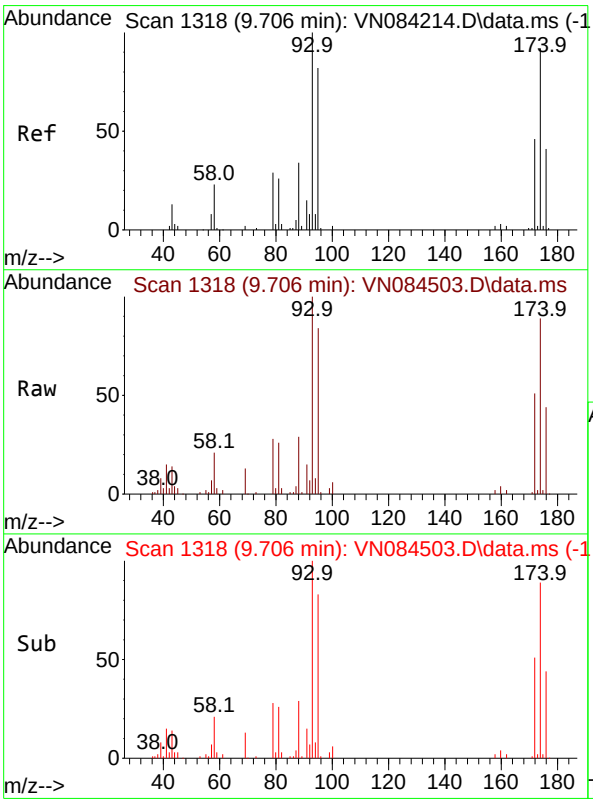
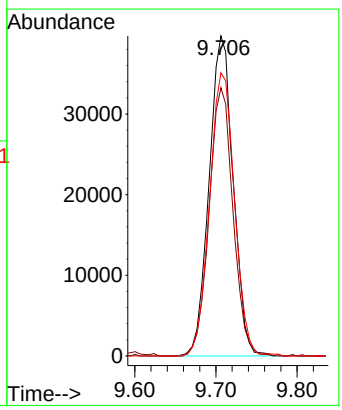
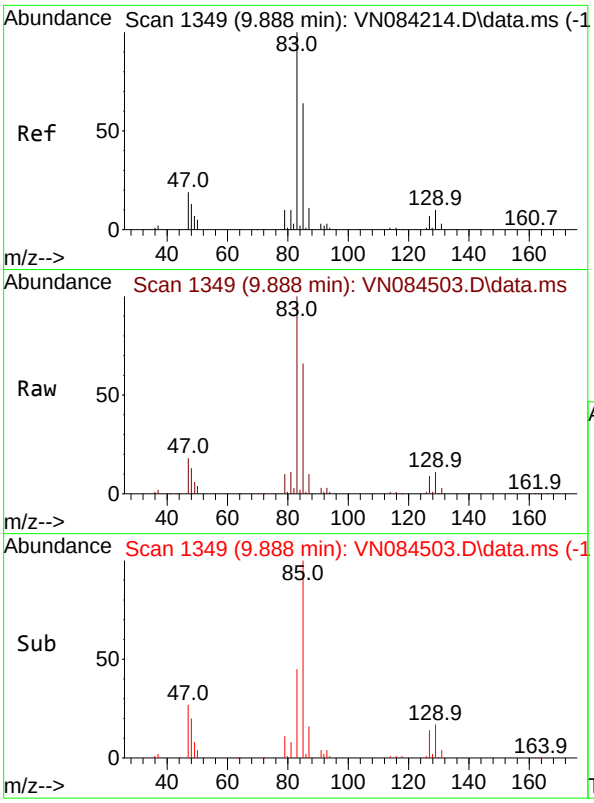


#46
Dibromomethane
Concen: 55.969 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 93 Resp: 81712

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.4
174	92.0	71.8	107.8

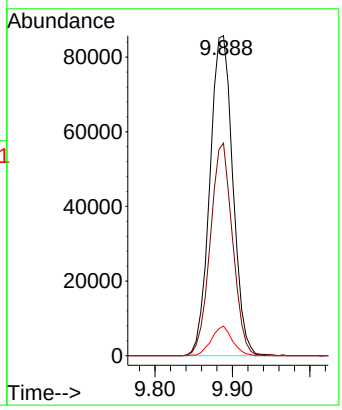




#47
Bromodichloromethane
Concen: 54.395 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 83 Resp: 17643

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	9.3	5.7	8.5



Instrument :
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ClientSampleId :
VSTDCCC050

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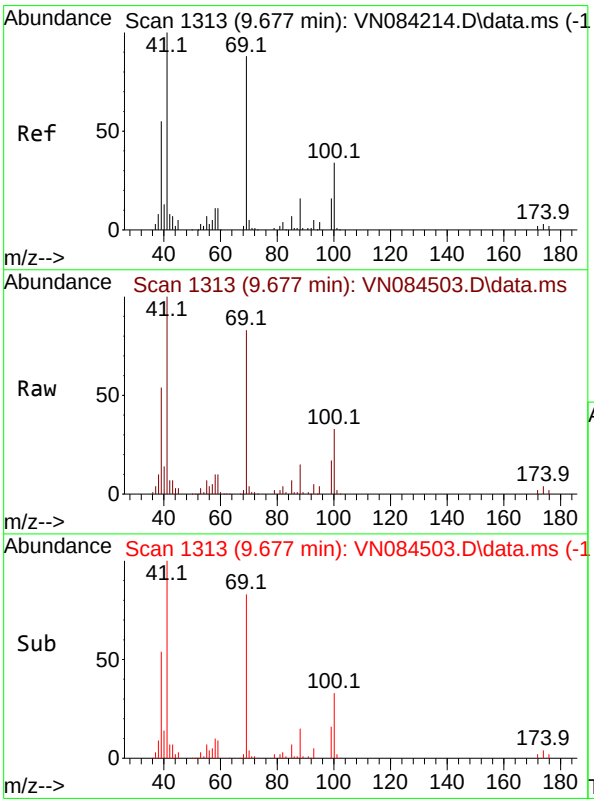
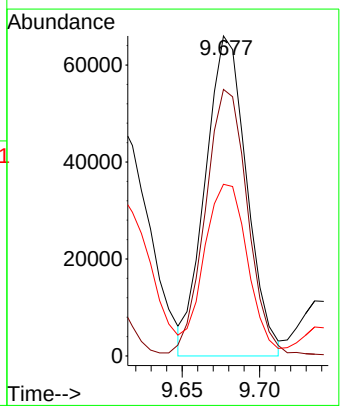
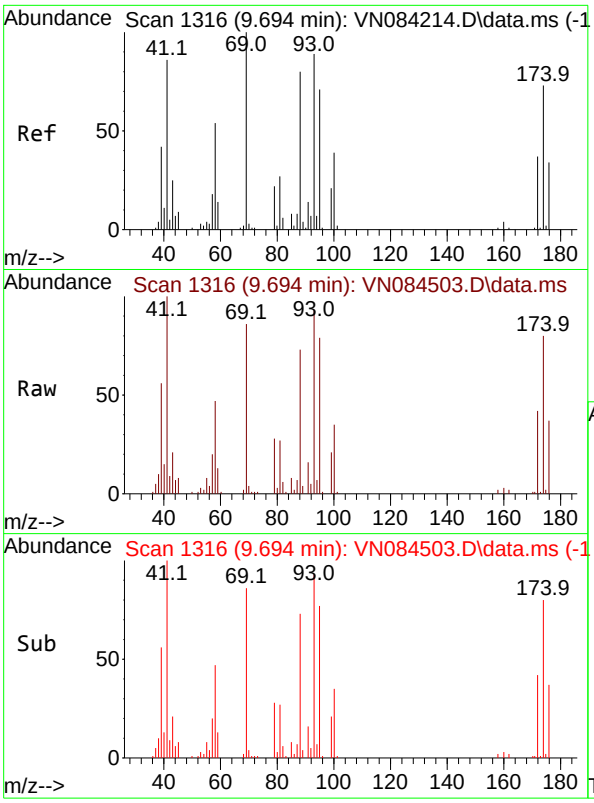


#48
Methyl methacrylate
Concen: 52.136 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 122412

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	56.9	45.8	68.6

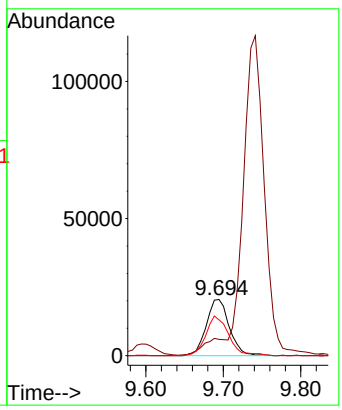




#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 88 Resp: 4225

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9
58	70.4	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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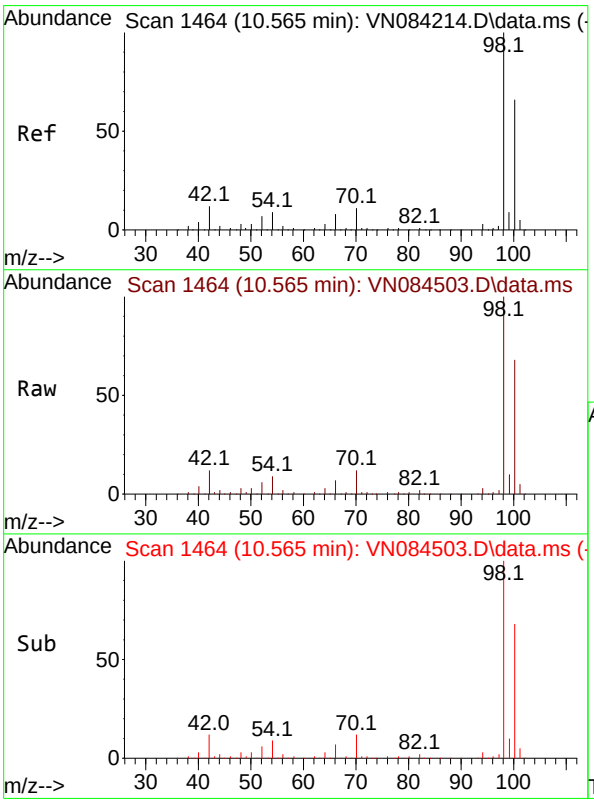
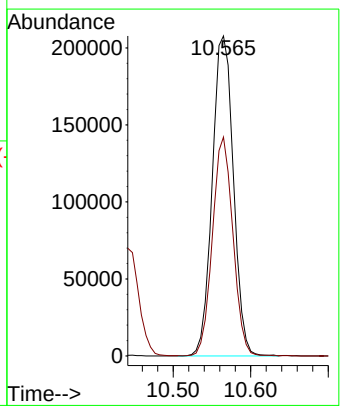
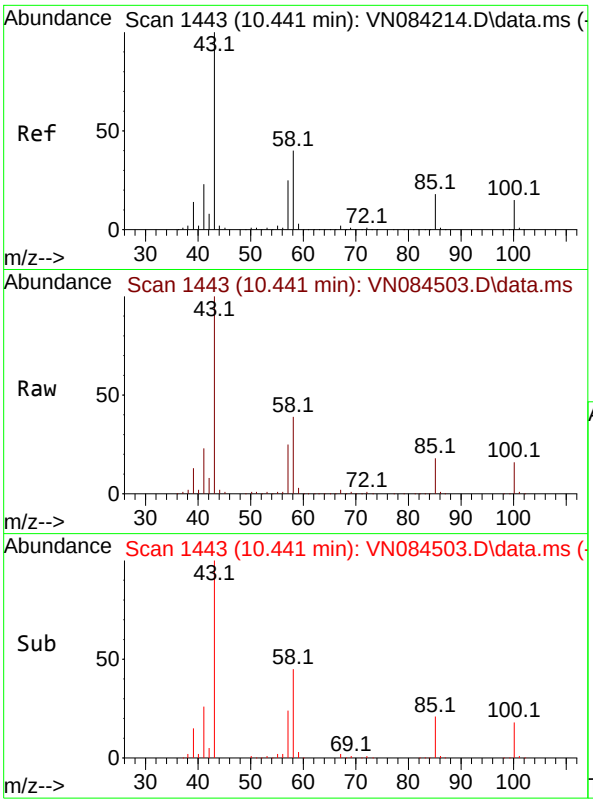


#50
Toluene-d8
Concen: 52.888 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 98 Resp: 393204

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1

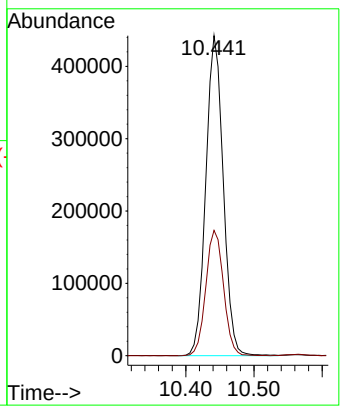




#51
4-Methyl-2-Pentanone
Concen: 274.285 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 78627

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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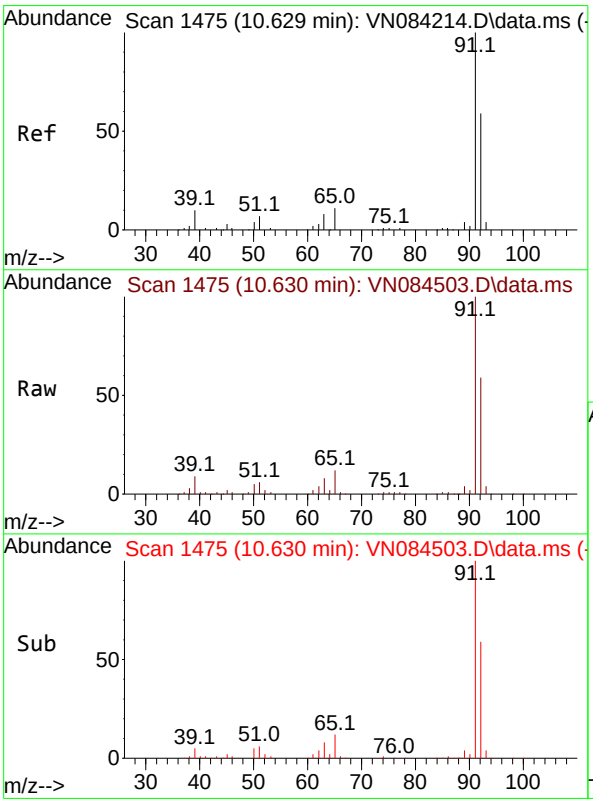
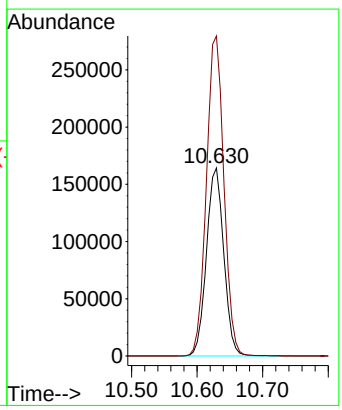
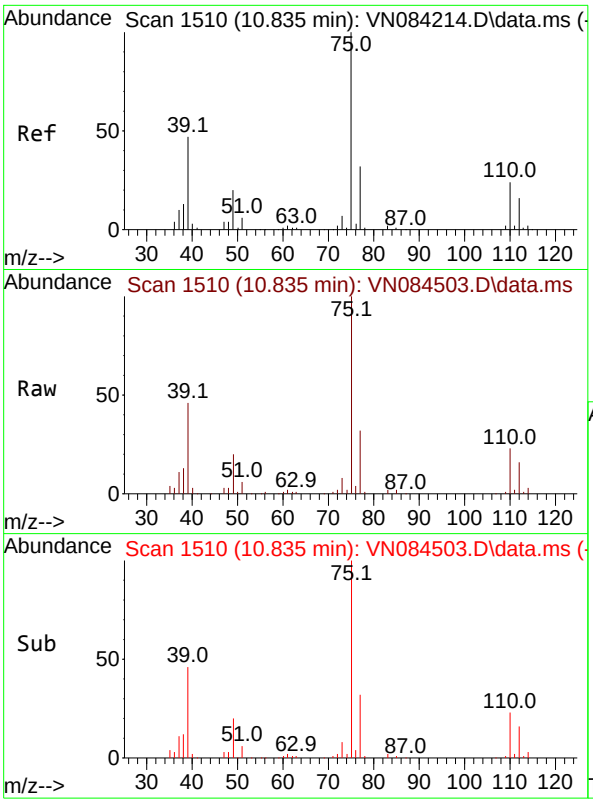


#52
Toluene
Concen: 54.054 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 92 Resp: 301445

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.3	205.9

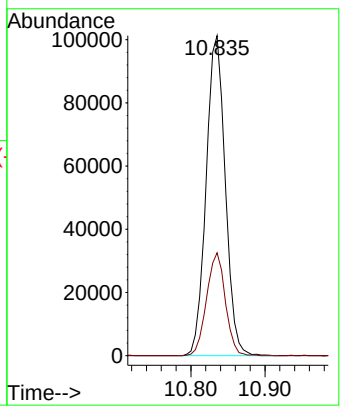




#53
t-1,3-Dichloropropene
Concen: 54.888 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 18147

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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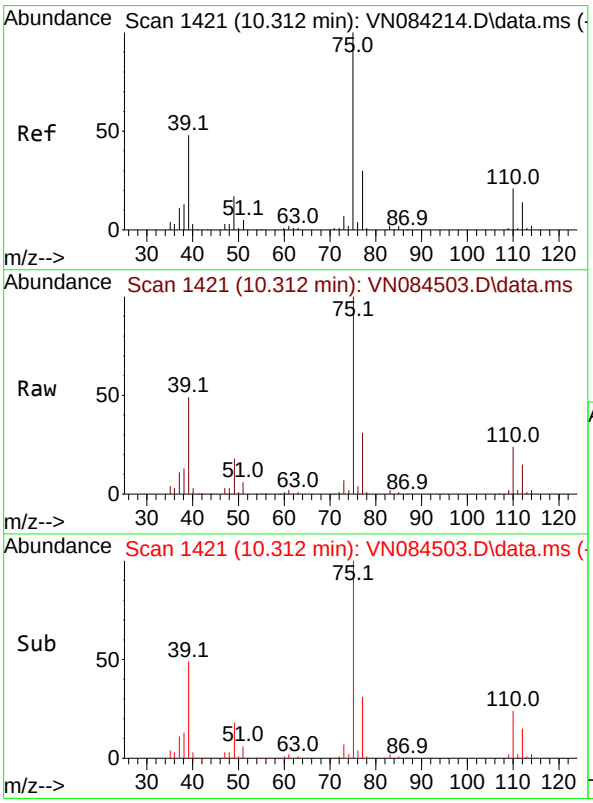
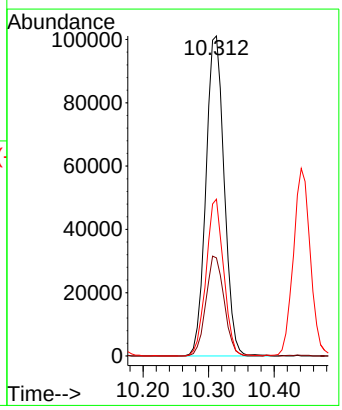
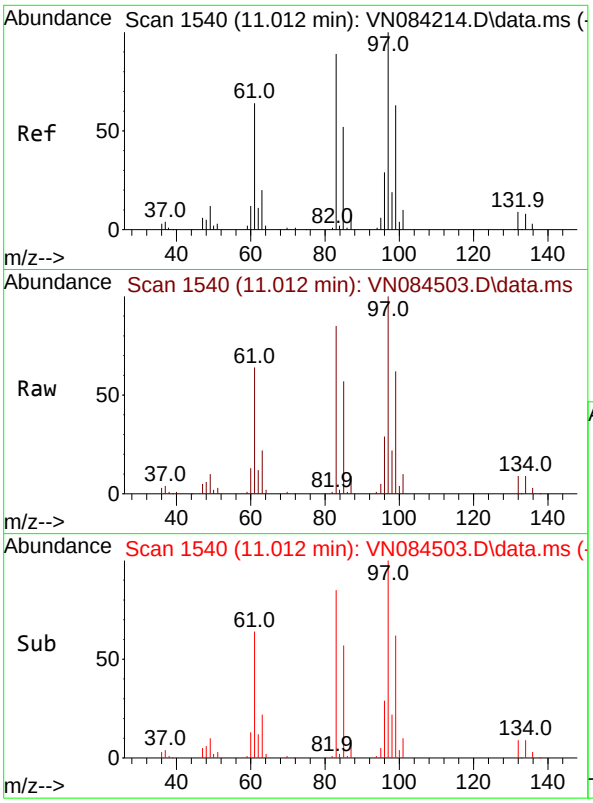


#54
cis-1,3-Dichloropropene
Concen: 55.080 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 195885

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.2	36.2
39	49.0	38.7	58.1

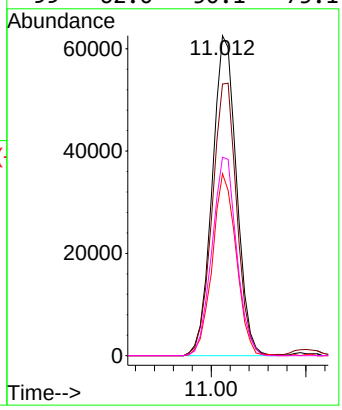




#55
1,1,2-Trichloroethane
Concen: 55.801 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 97 Resp: 11155

Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	56.9	41.7	62.5
99	62.0	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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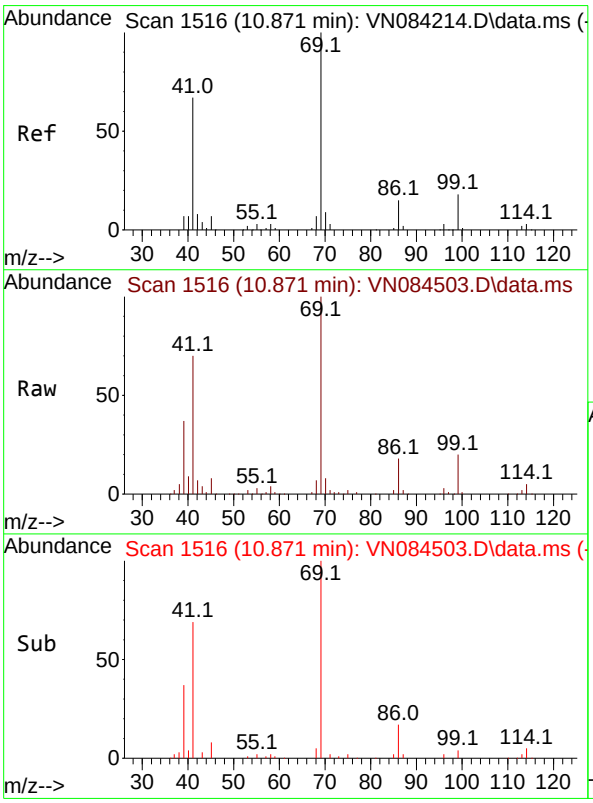
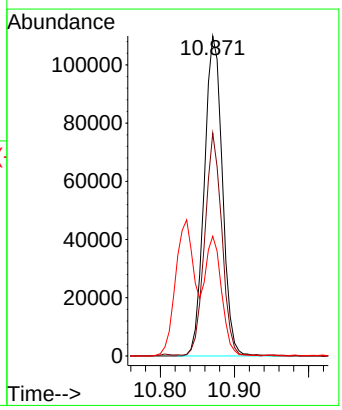
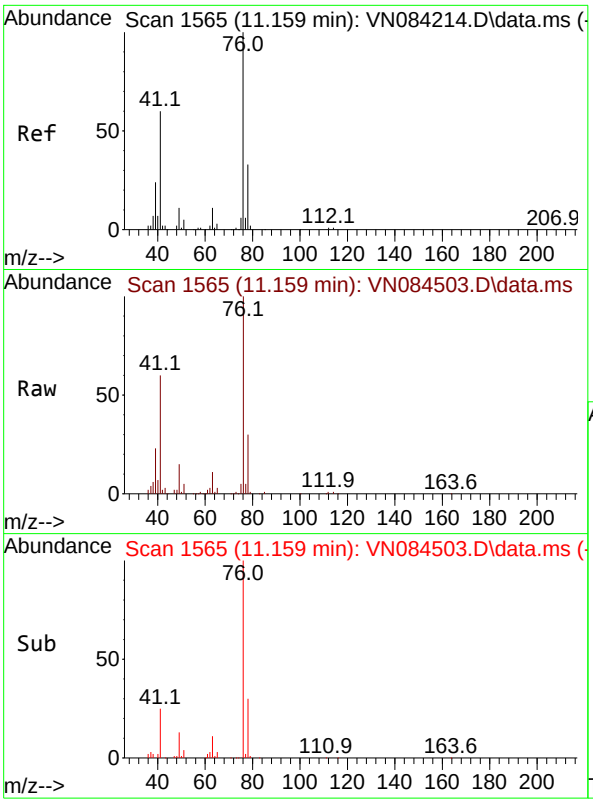


#56
Ethyl methacrylate
Concen: 56.529 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 69 Resp: 185958

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.3	79.9
39	34.2	28.8	43.2





#57
1,3-Dichloropropane
Concen: 54.423 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 76 Resp: 19441

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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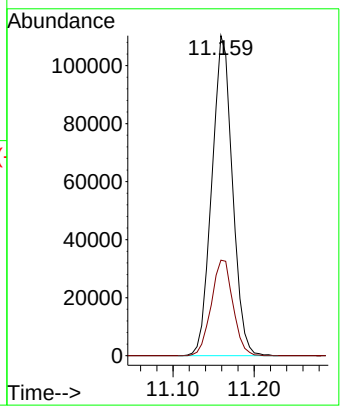
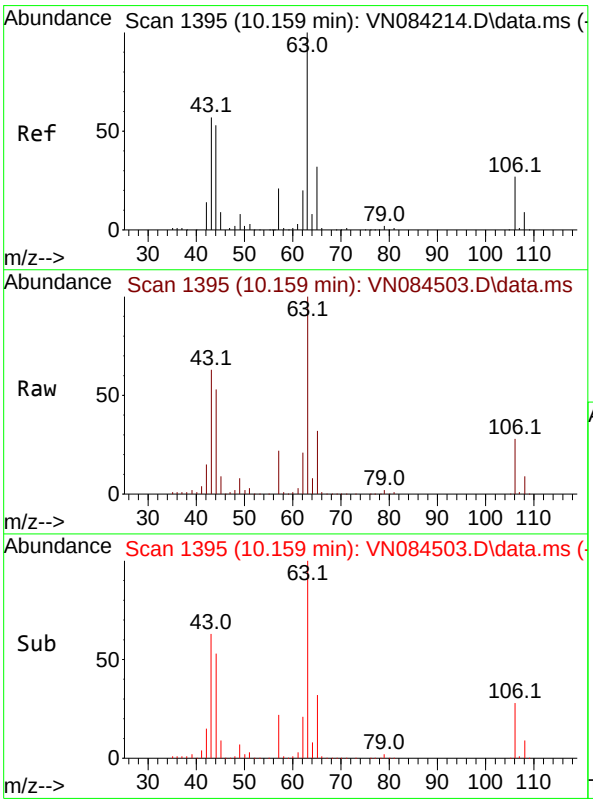
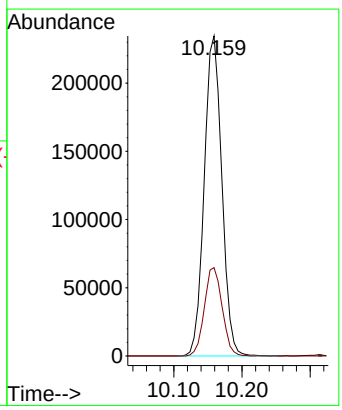


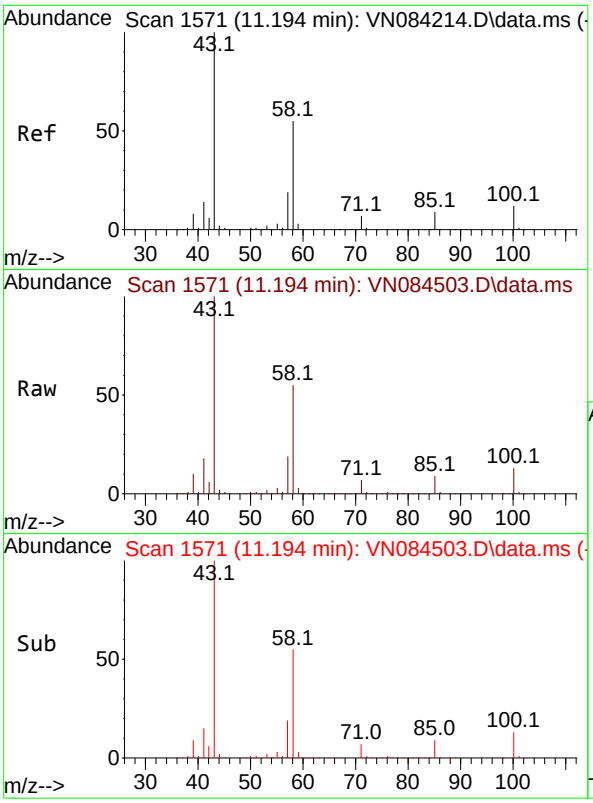


#58
2-Chloroethyl Vinyl ether
Concen: 276.155 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 421419

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6

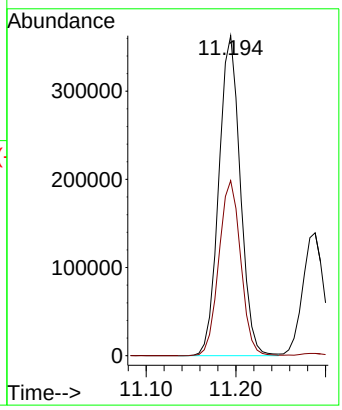




#59
2-Hexanone
Concen: 281.584 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 60331

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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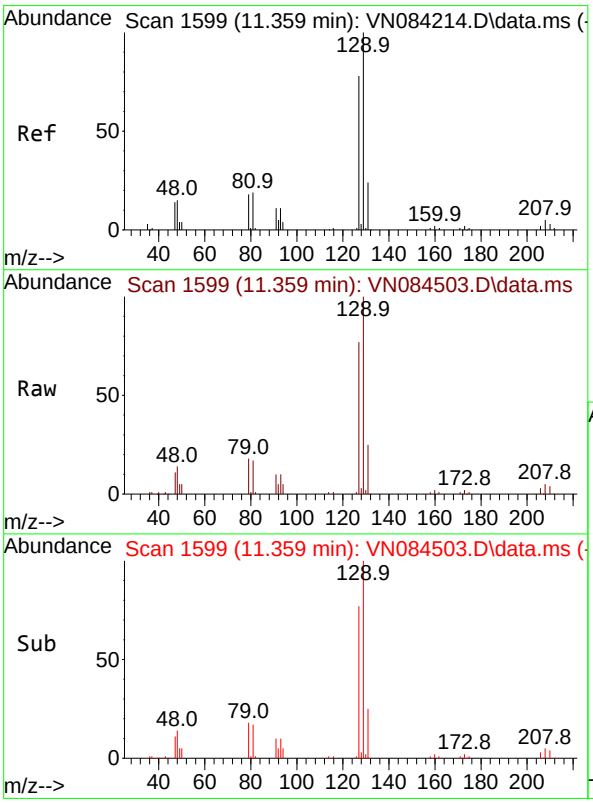
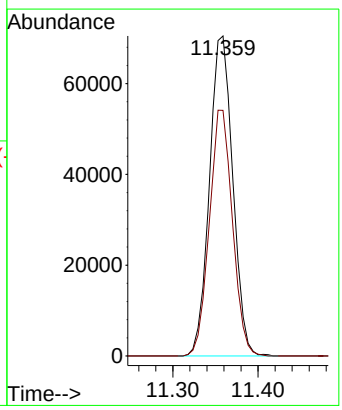
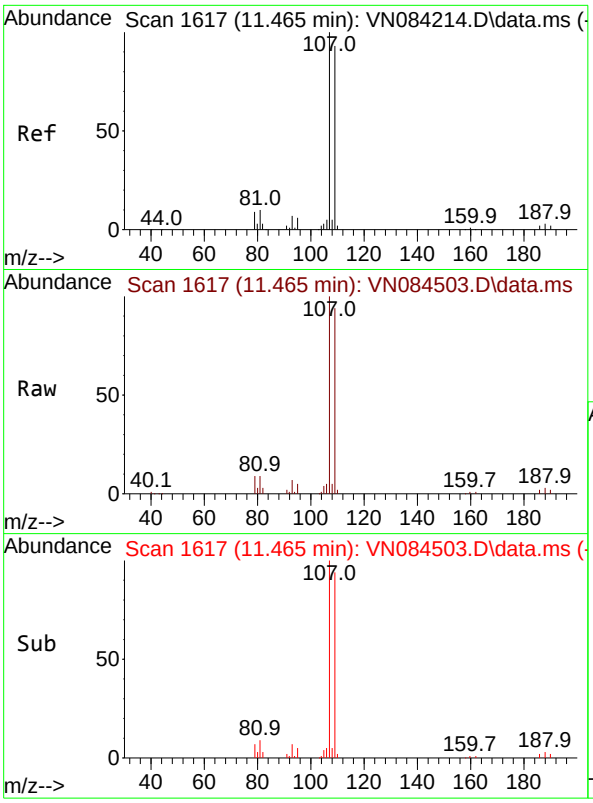


#60
Dibromochloromethane
Concen: 56.669 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:129 Resp: 133861

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.3	114.9

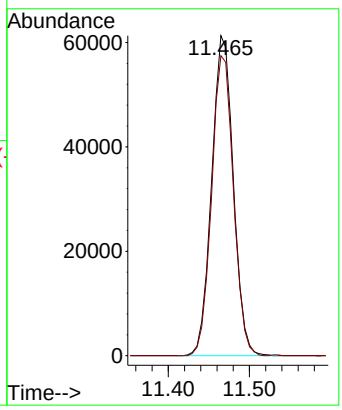




#61
1,2-Dibromoethane
Concen: 54.729 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:107 Resp: 11369

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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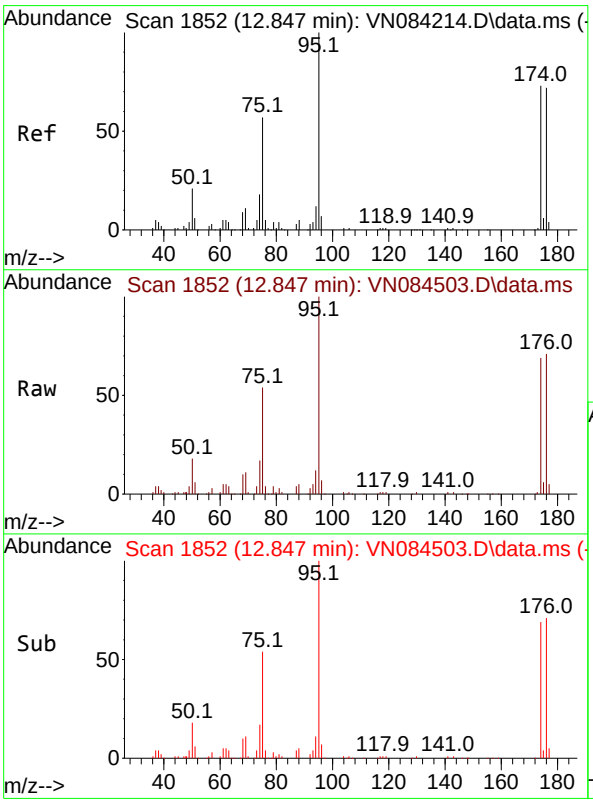
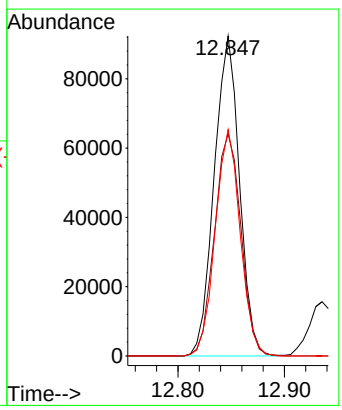
Supervised By :Mahesh Dadoda 10/28/2024

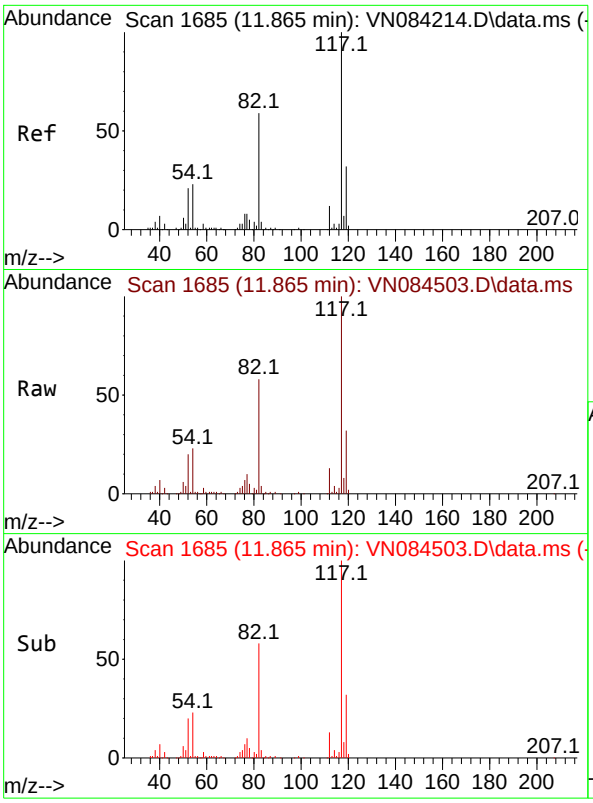


#62
4-Bromofluorobenzene
Concen: 56.092 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 95 Resp: 151926

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.0	0.0	140.0

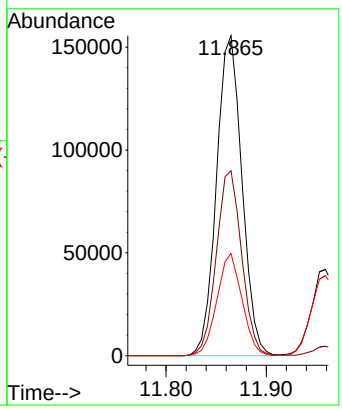




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:117 Resp: 27461

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	31.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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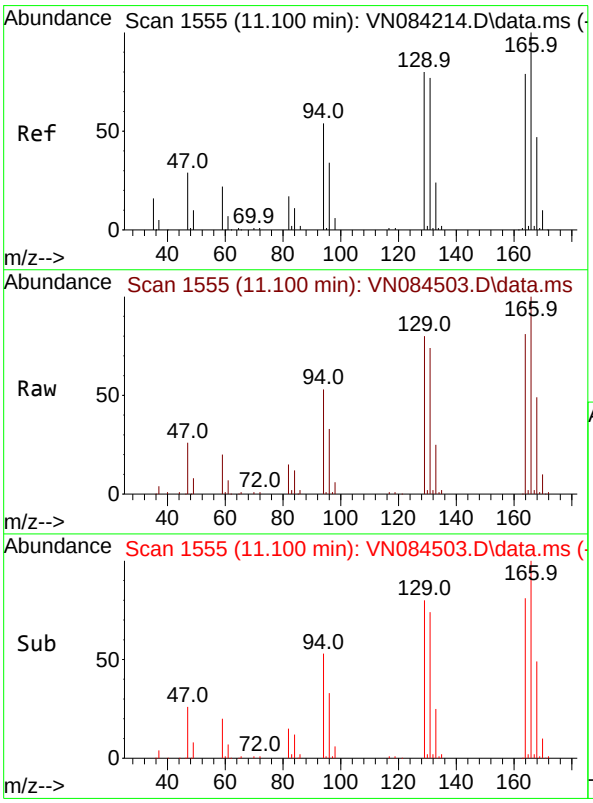
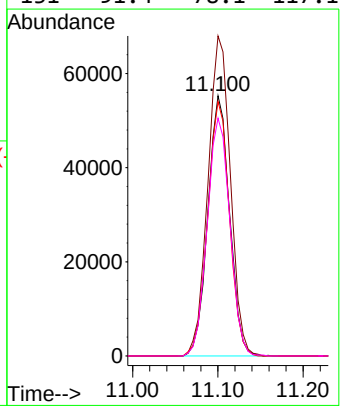
Supervised By :Mahesh Dadoda 10/28/2024

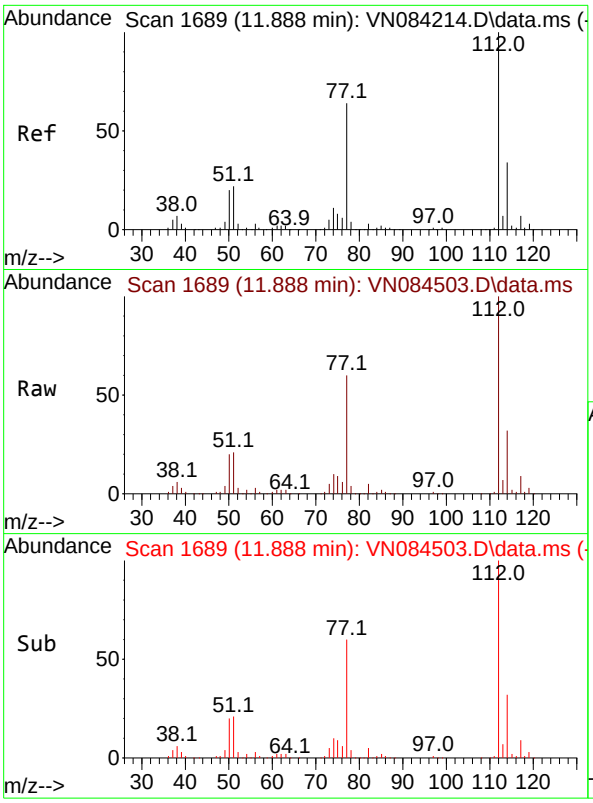


#64
Tetrachloroethene
Concen: 51.180 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:164 Resp: 97893

Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.0	151.4
129	97.8	80.8	121.2
131	91.4	78.1	117.1

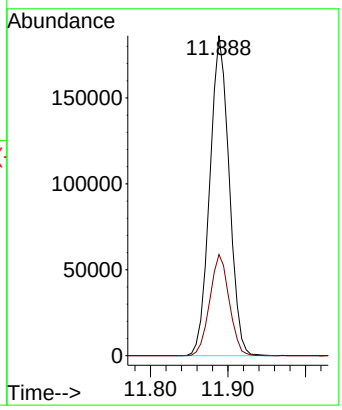




#65
Chlorobenzene
Concen: 53.042 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:112 Resp: 32295

Ion	Ratio	Lower	Upper
112	100		
114	31.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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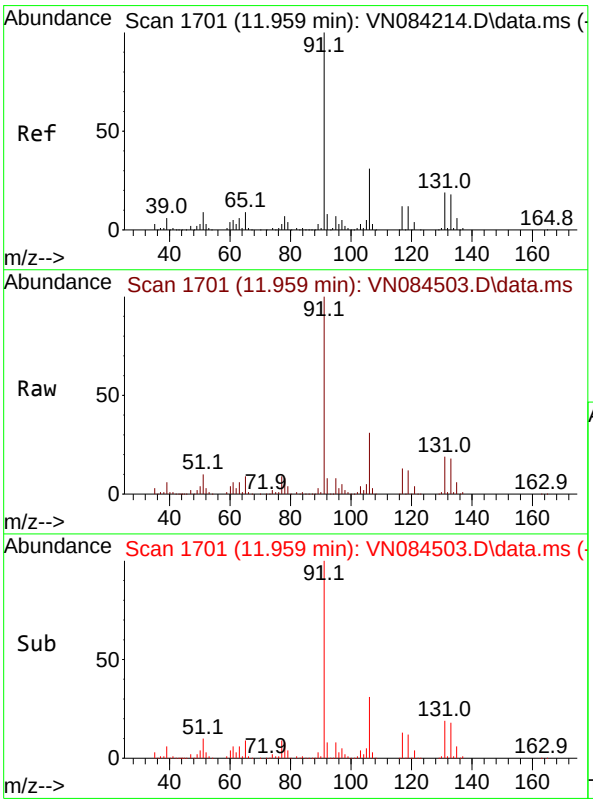
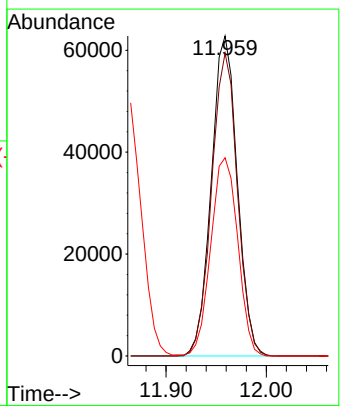
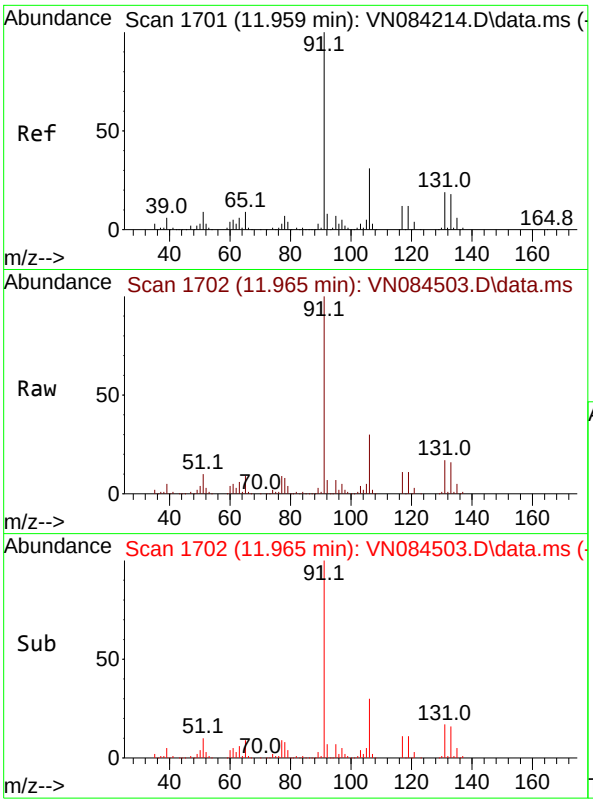


#66
1,1,1,2-Tetrachloroethane
Concen: 53.856 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:131 Resp: 112949

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.7
119	64.4	32.8	98.3

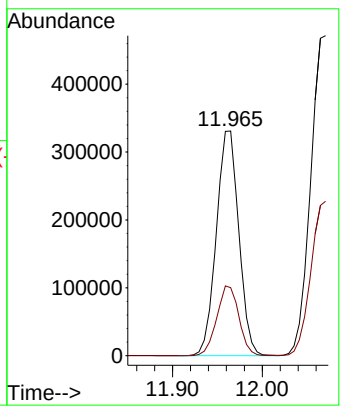




#67
Ethyl Benzene
Concen: 53.480 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 57586

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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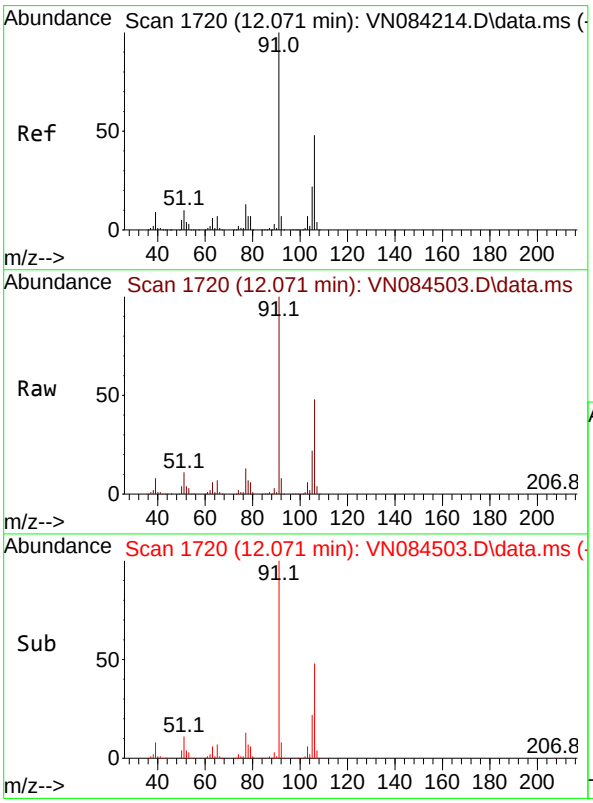
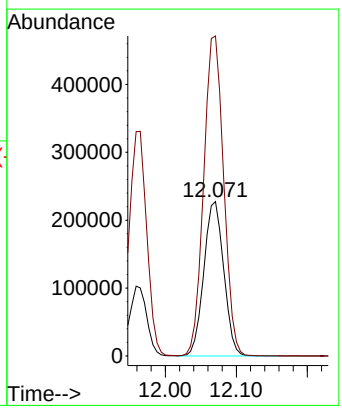
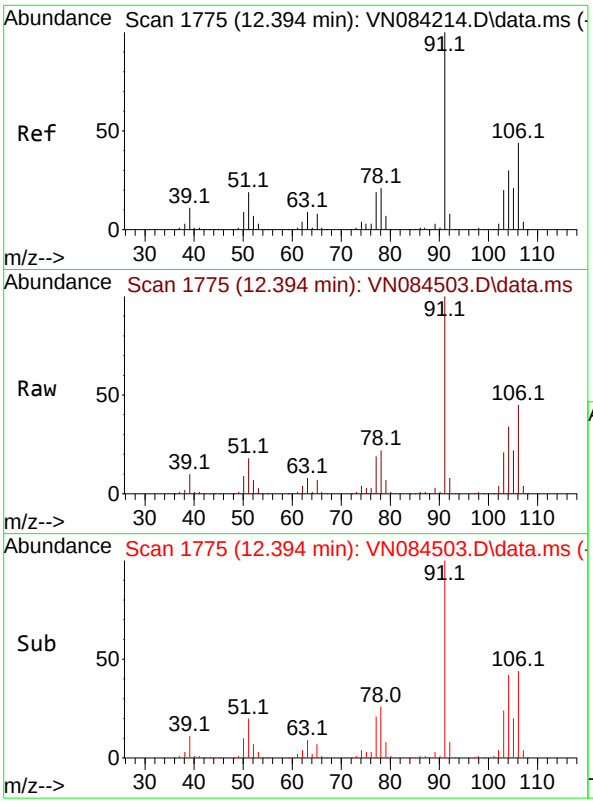


#68
m/p-Xylenes
Concen: 111.160 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:106 Resp: 442765

Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.1	250.7

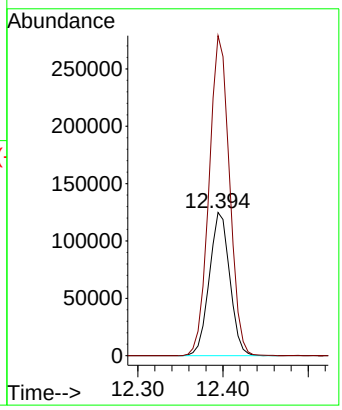




#69
o-Xylene
Concen: 55.158 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:106 Resp: 20786

Ion	Ratio	Lower	Upper
106	100		
91	223.6	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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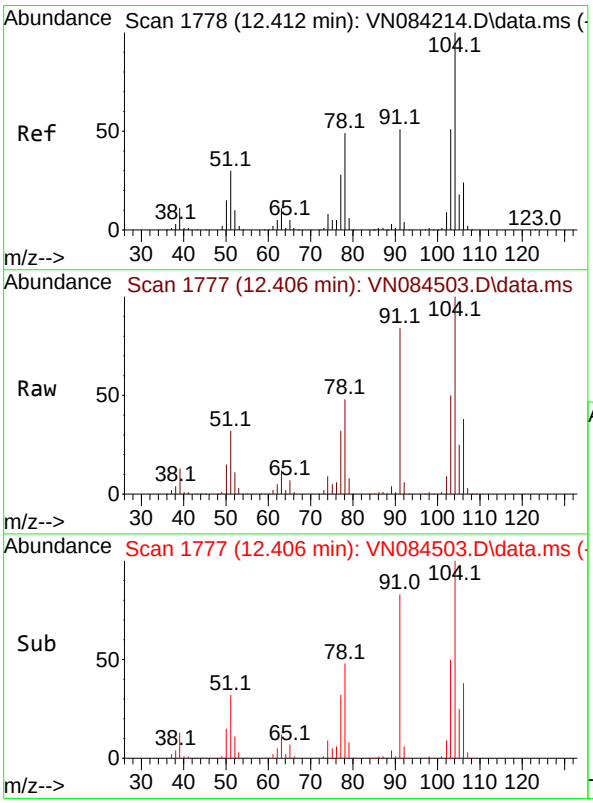
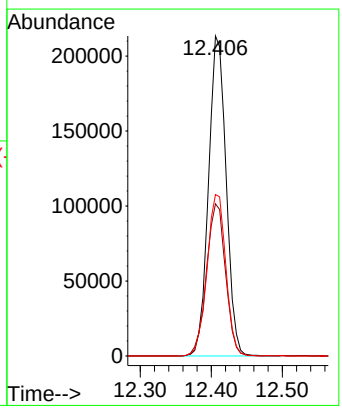
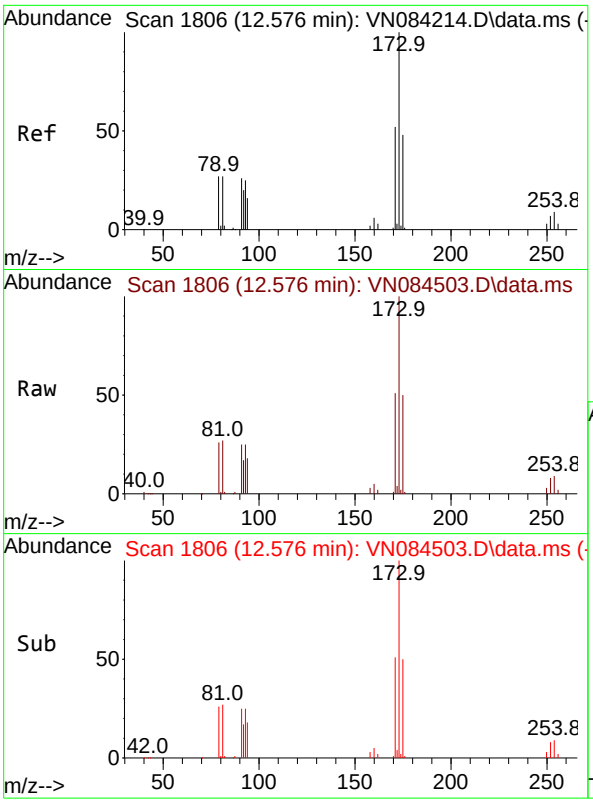


#70
Styrene
Concen: 57.594 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:104 Resp: 367629

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.0	43.6	65.4

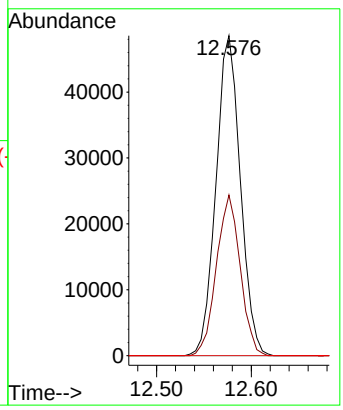




#71
Bromoform
Concen: 56.348 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:173 Resp: 8700

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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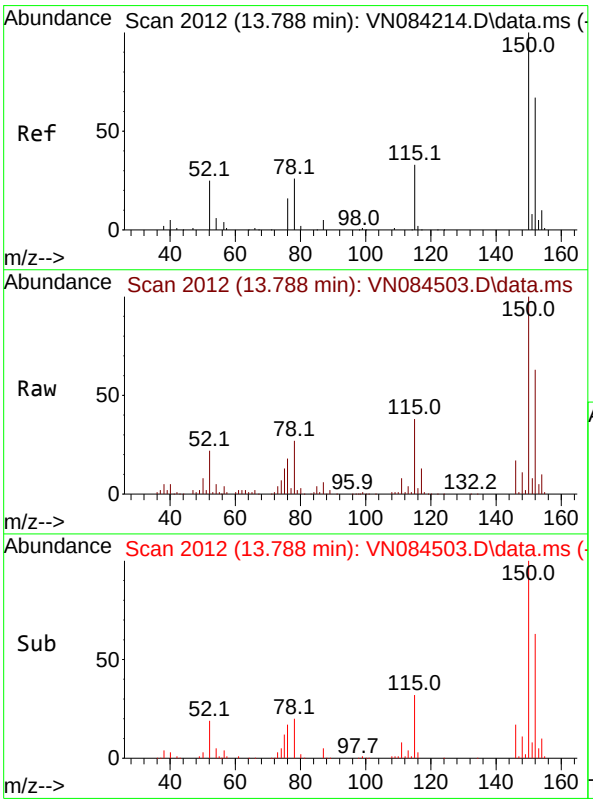
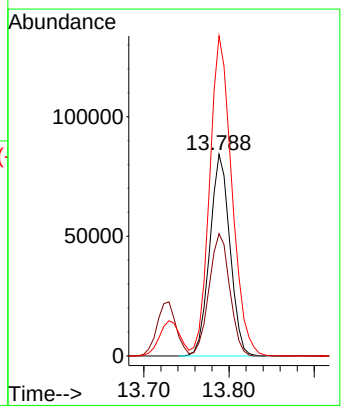
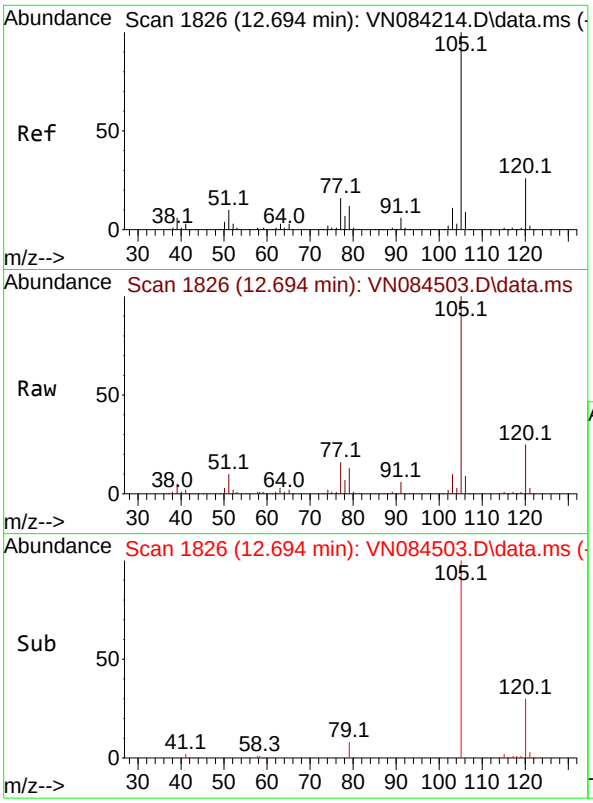


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:152 Resp: 138591

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	174.9	0.0	349.8

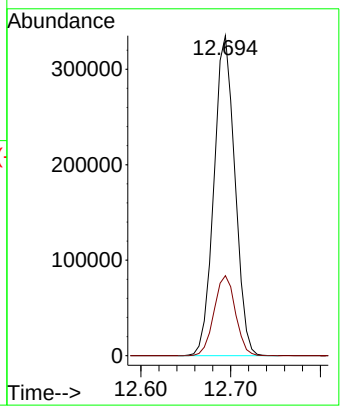




#73
Isopropylbenzene
Concen: 51.385 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 54343

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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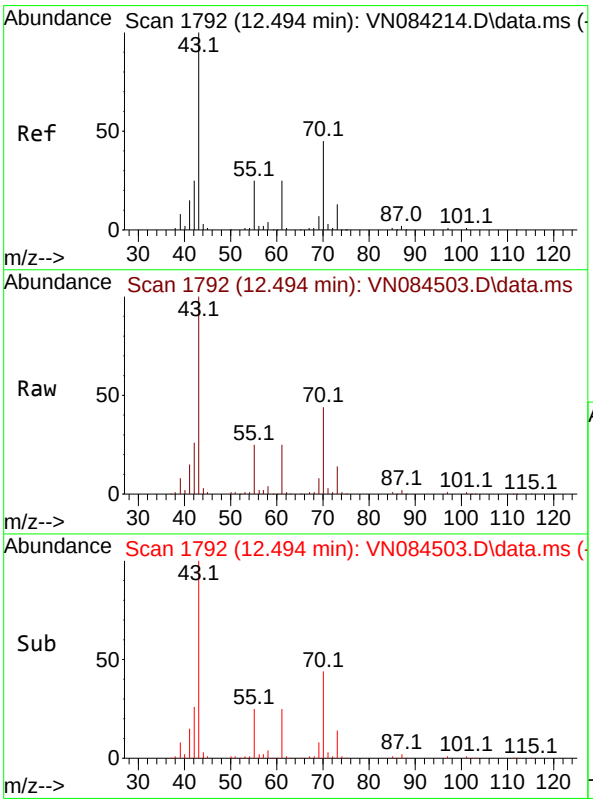
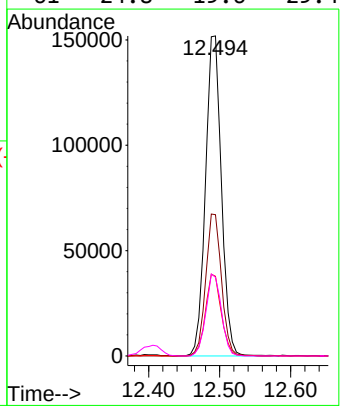
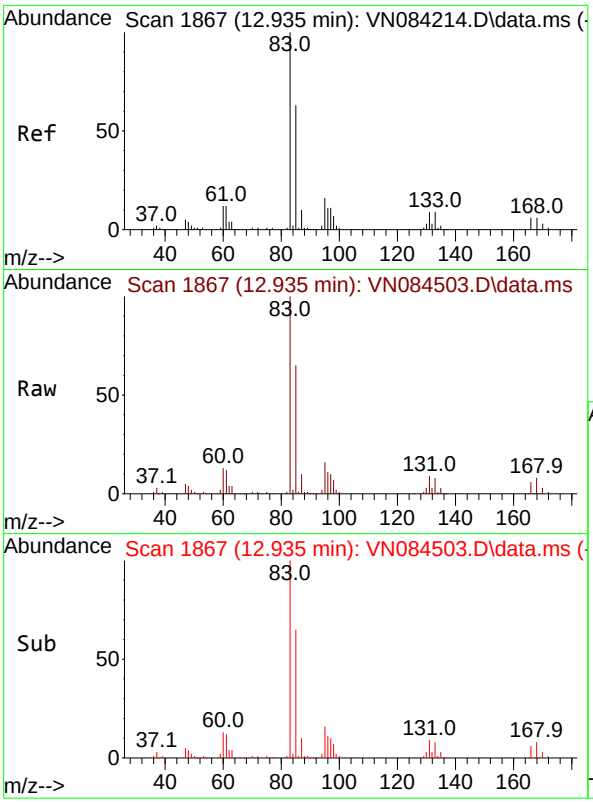


#74
N-amyl acetate
Concen: 49.533 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 237218

Ion	Ratio	Lower	Upper
43	100		
70	43.8	34.4	51.6
55	25.5	19.6	29.4
61	24.8	19.6	29.4

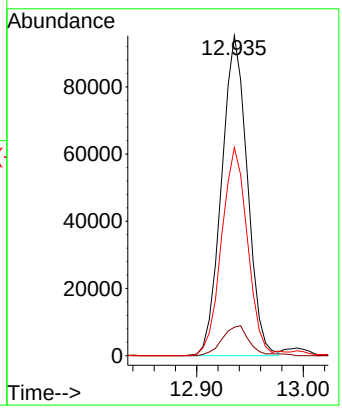




#75
1,1,2,2-Tetrachloroethane
Concen: 50.359 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 83 Resp: 16014

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	65.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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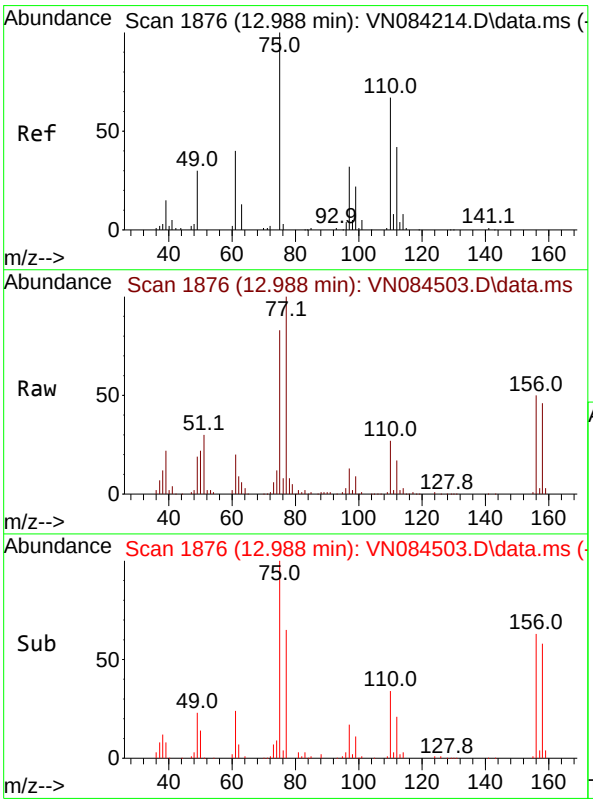
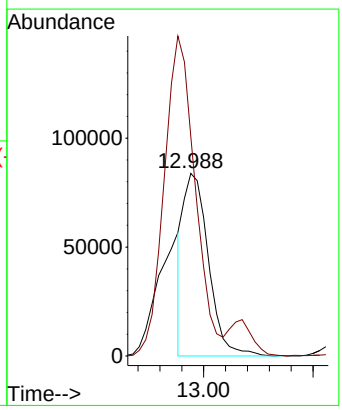
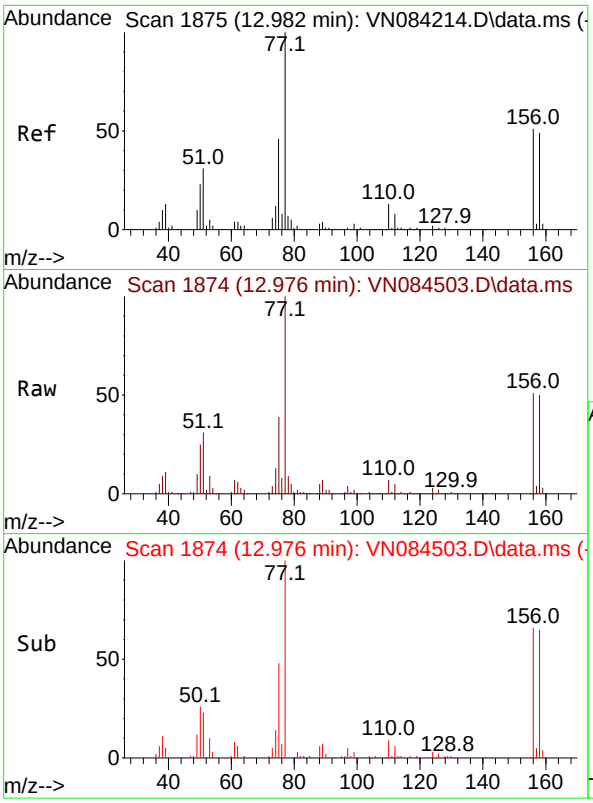


#76
1,2,3-Trichloropropane
Concen: 47.420 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 134170

Ion	Ratio	Lower	Upper
75	100		
77	215.3	96.9	290.7

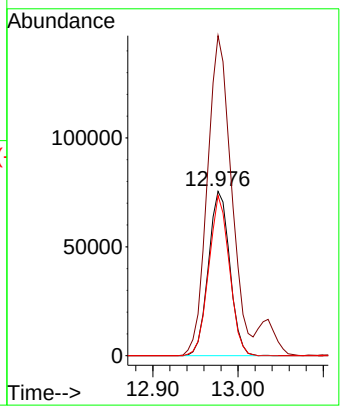




#77
Bromobenzene
Concen: 51.366 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:156 Resp: 13103

Ion	Ratio	Lower	Upper
156	100		
77	220.5	115.1	345.3
158	94.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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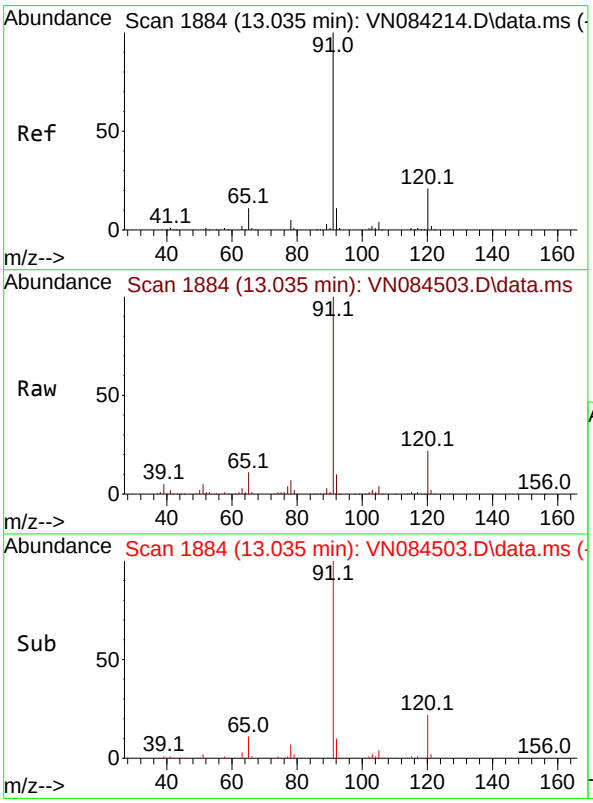
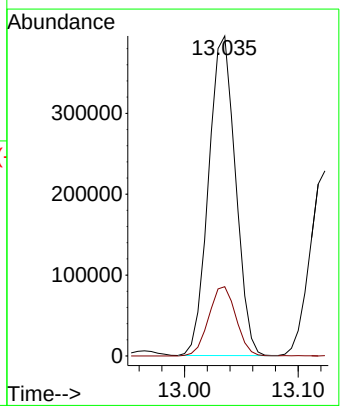
Supervised By :Mahesh Dadoda 10/28/2024

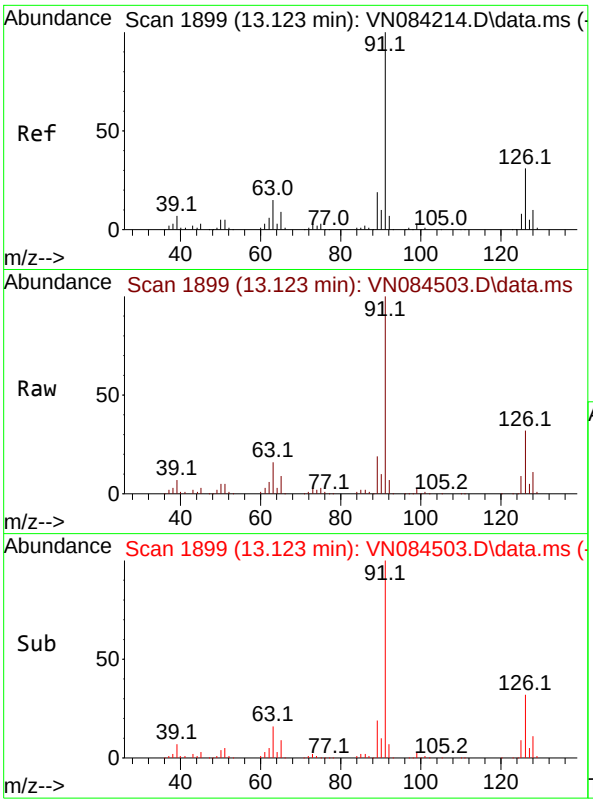


#78
n-propylbenzene
Concen: 52.981 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 649179

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 50.768 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

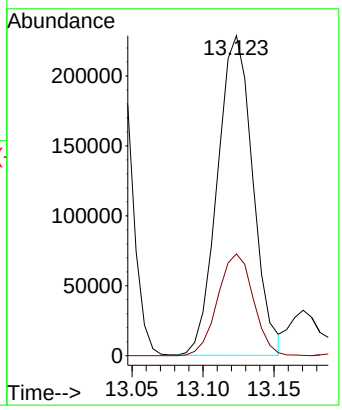
Tgt Ion: 91 Resp: 39694

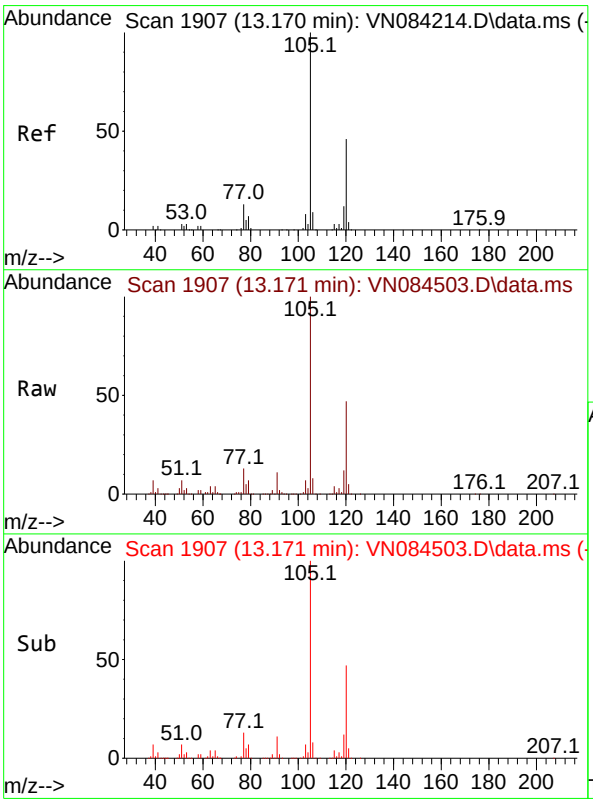
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

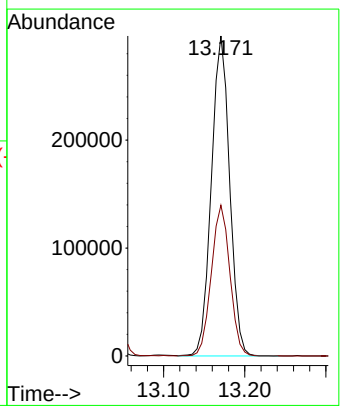


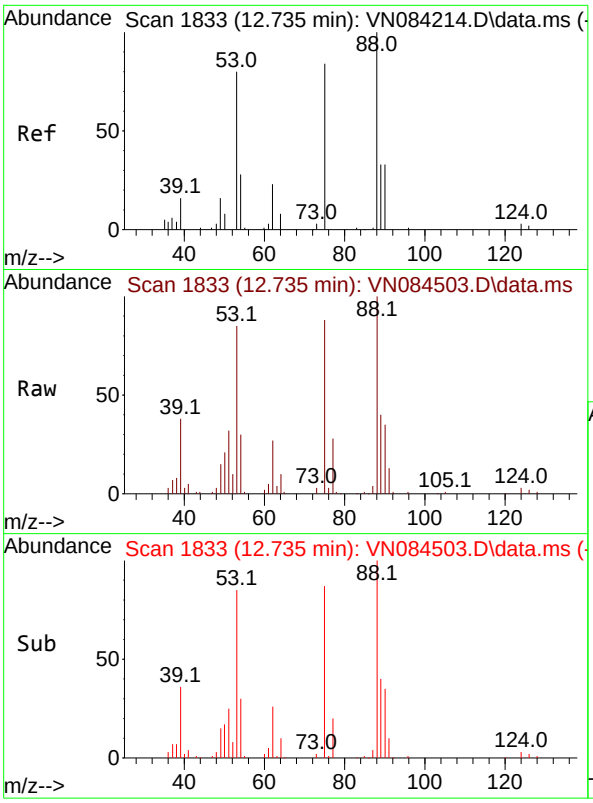


#80
1,3,5-Trimethylbenzene
Concen: 53.809 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 464199

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1

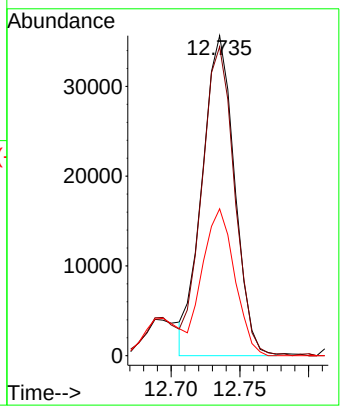




#81
trans-1,4-Dichloro-2-butene
Concen: 49.520 ug/l m
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 5844

Ion	Ratio	Lower	Upper
75	100		
53	97.3	78.0	117.0
89	45.1	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
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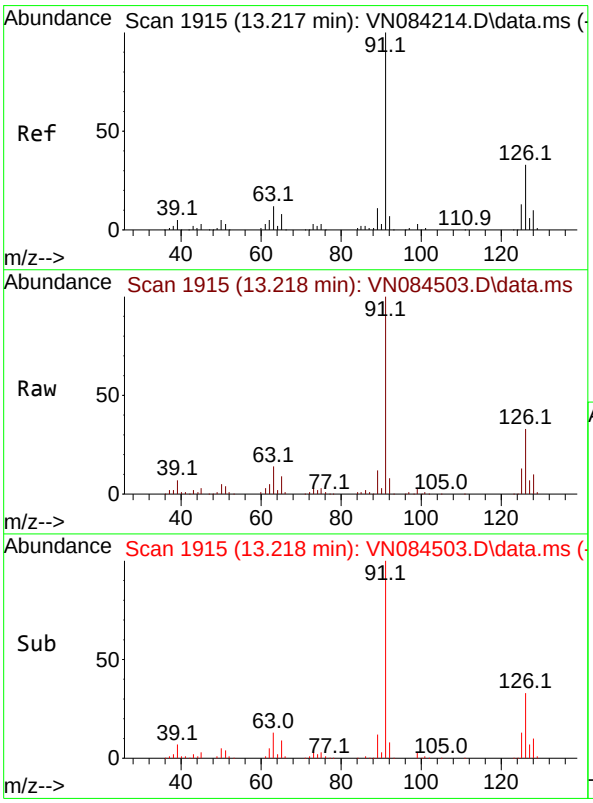
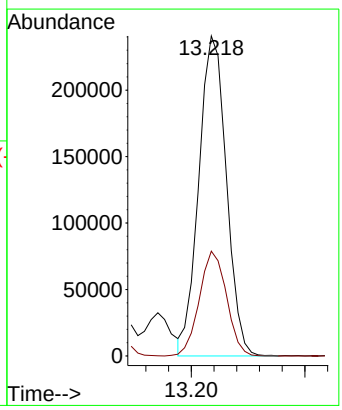
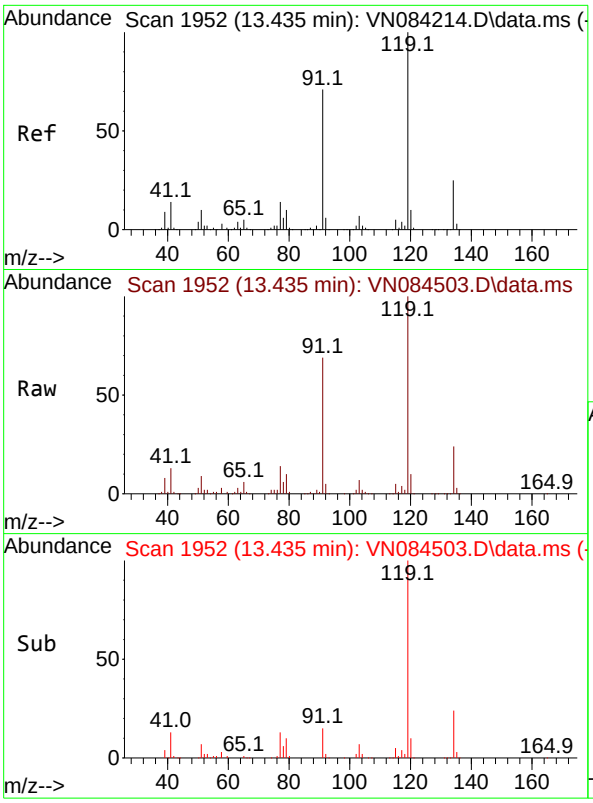


#82
4-Chlorotoluene
Concen: 51.584 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 406014

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

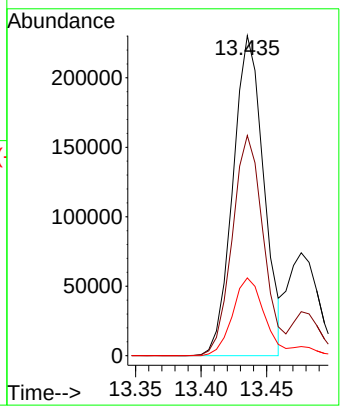




#83
tert-Butylbenzene
Concen: 49.081 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:119 Resp: 37633

Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.1	102.3
134	25.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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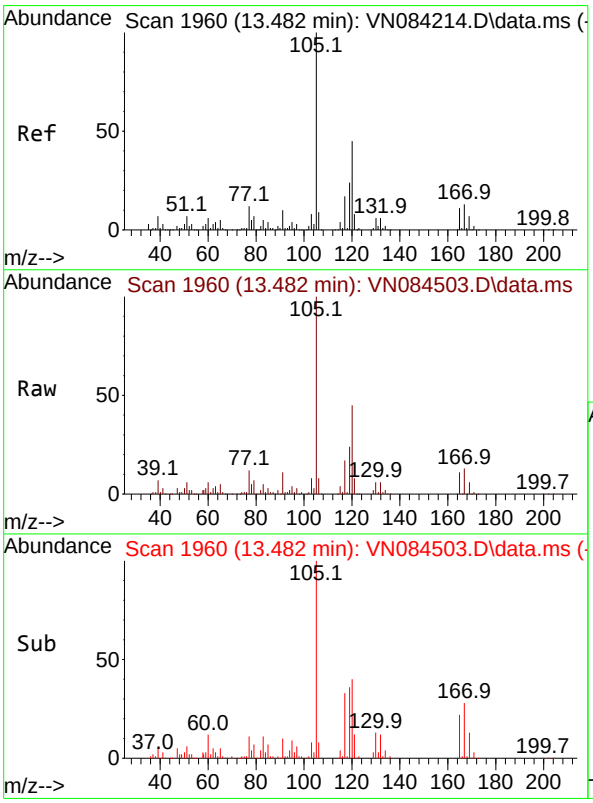
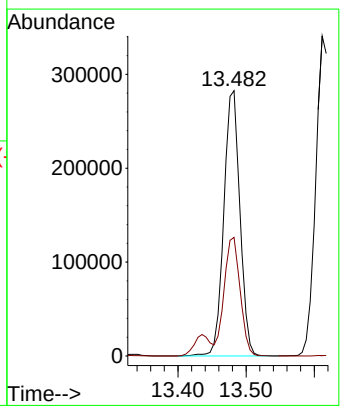
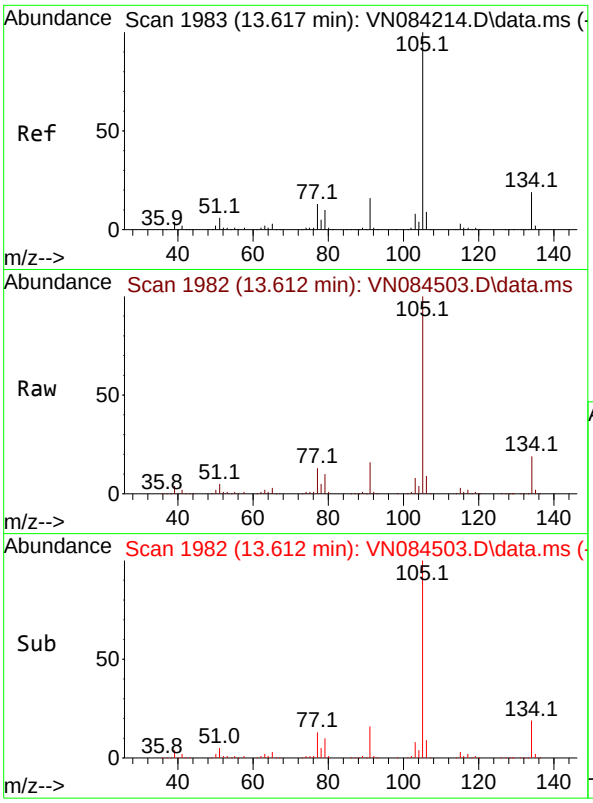


#84
1,2,4-Trimethylbenzene
Concen: 53.515 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 465072

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8





#85
sec-Butylbenzene
Concen: 53.211 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 54443

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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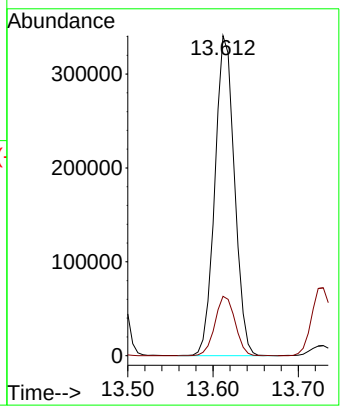
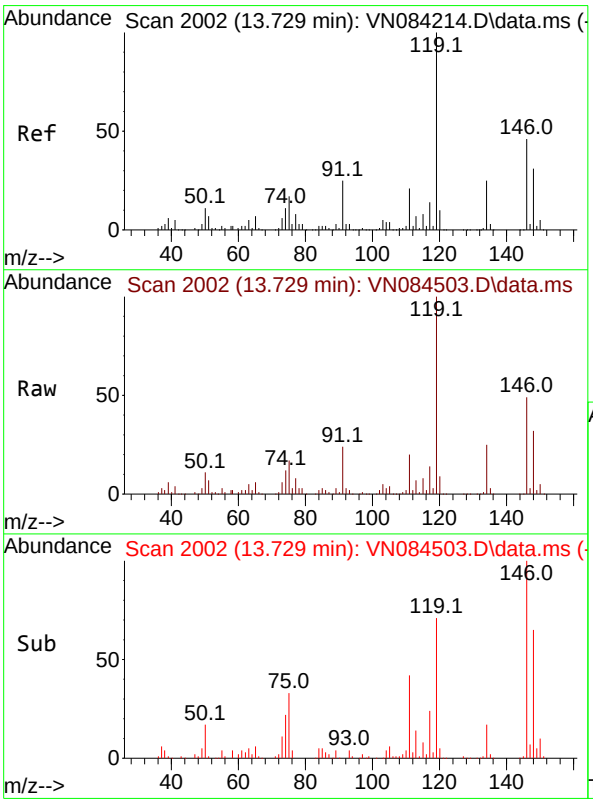
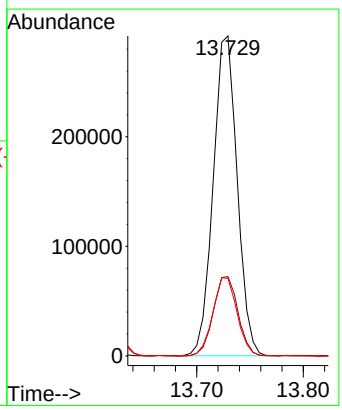


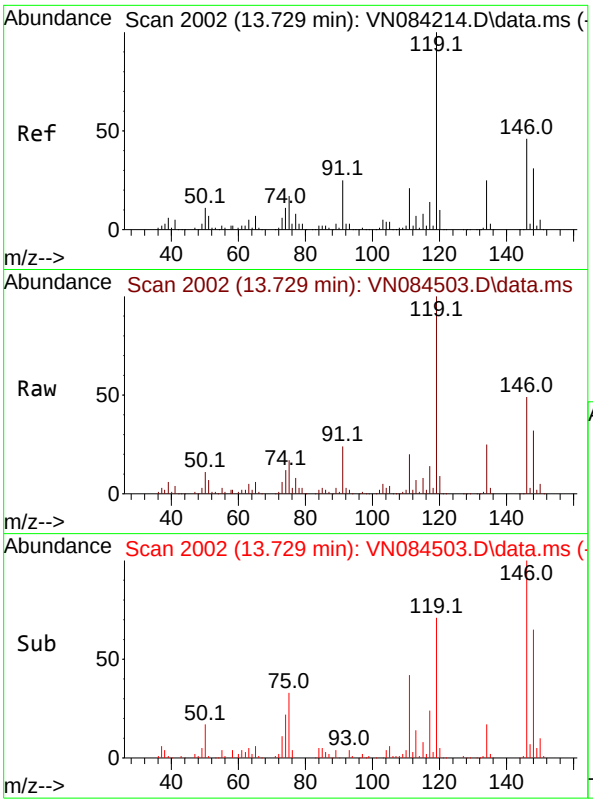


#86
p-Isopropyltoluene
Concen: 53.933 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:119 Resp: 456315

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	24.8	12.4	37.2

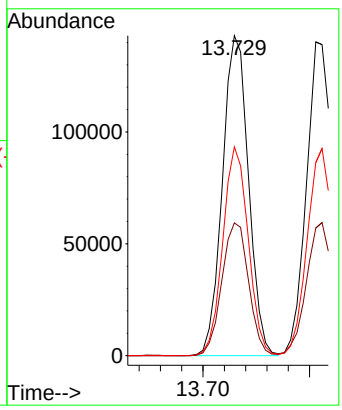




#87
1,3-Dichlorobenzene
Concen: 50.810 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:146 Resp: 24316

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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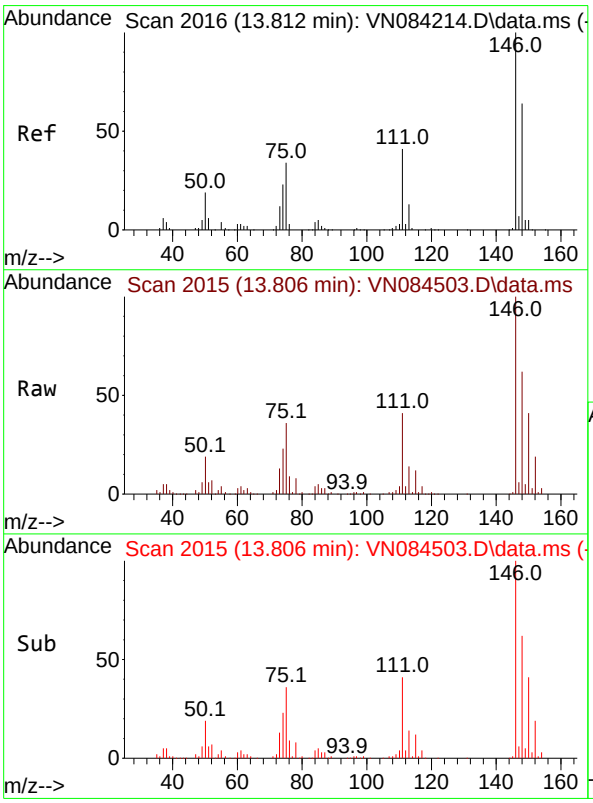
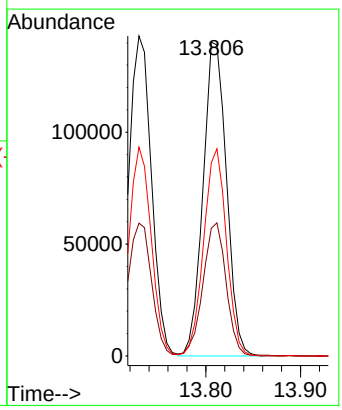
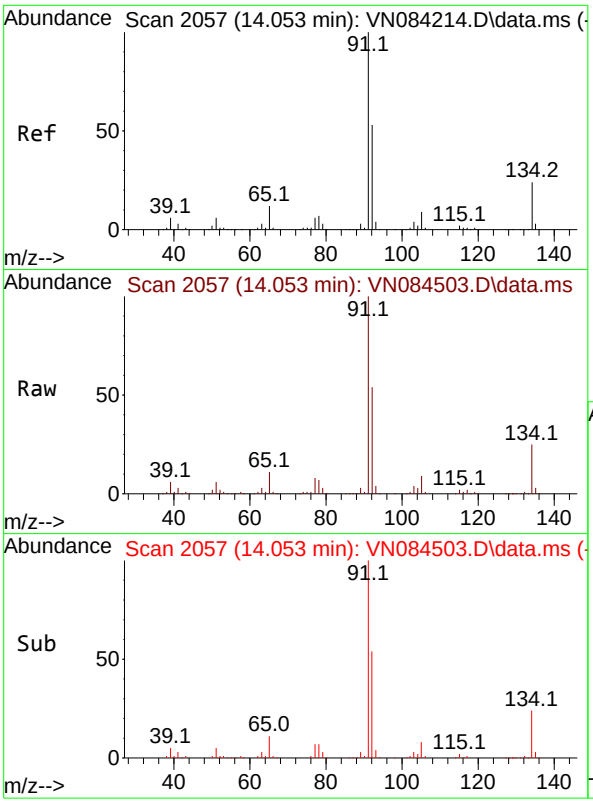


#88
1,4-Dichlorobenzene
Concen: 49.961 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:146 Resp: 241454

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.1	31.9	95.9





#89
n-Butylbenzene
Concen: 52.772 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 40486

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.4	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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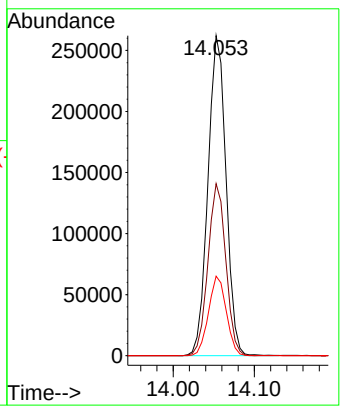
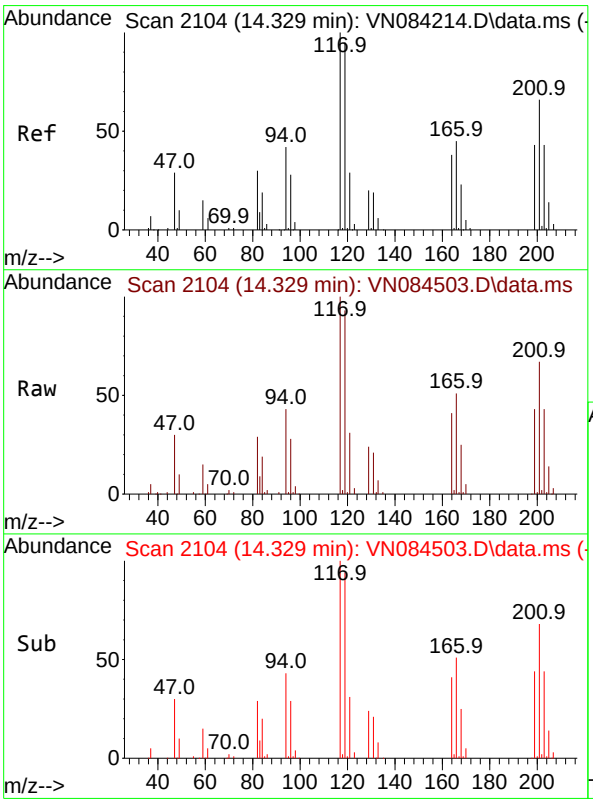
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

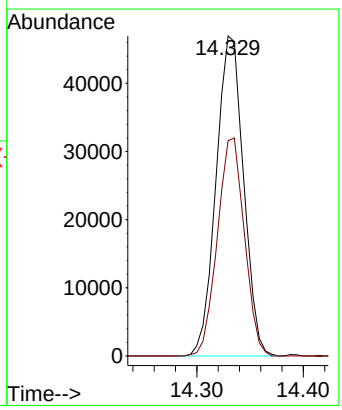


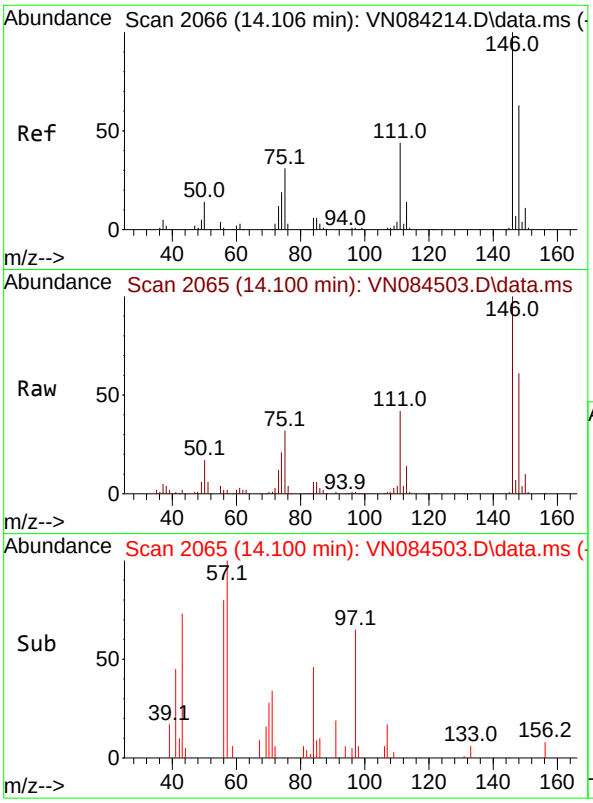


#90
Hexachloroethane
Concen: 48.991 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:117 Resp: 84136

Ion	Ratio	Lower	Upper
117	100		
201	66.9	34.4	103.2

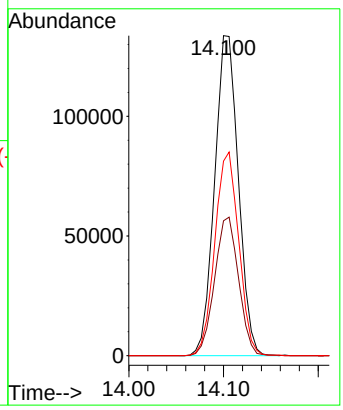




#91
1,2-Dichlorobenzene
Concen: 49.707 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:146 Resp: 23325

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	64.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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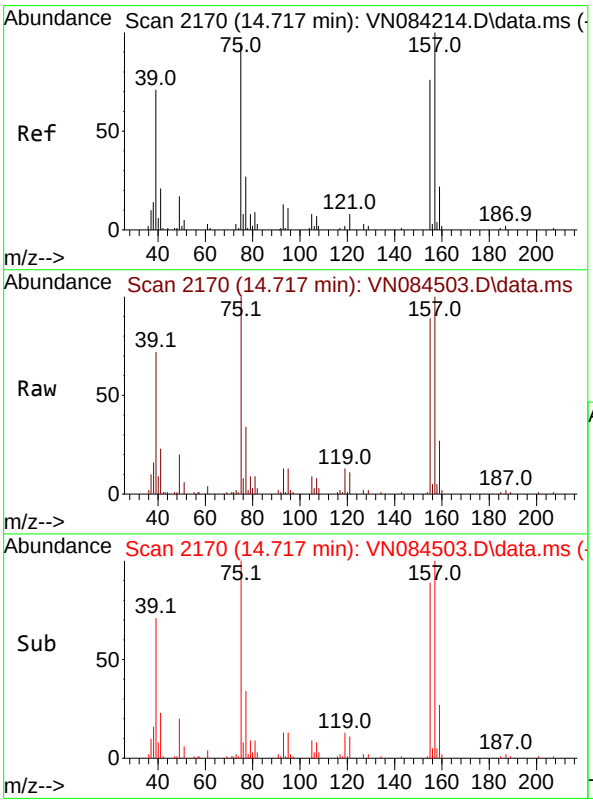
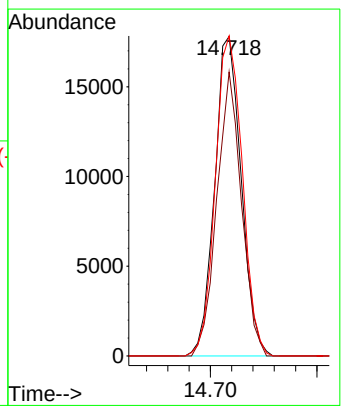
Supervised By :Mahesh Dadoda 10/28/2024

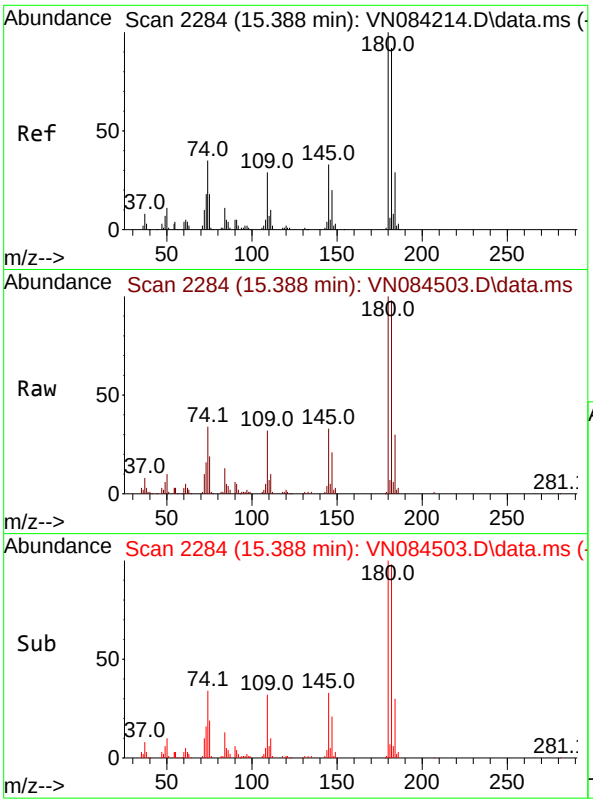


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.955 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 30813

Ion	Ratio	Lower	Upper
75	100		
155	82.5	38.1	114.5
157	101.7	49.6	149.0

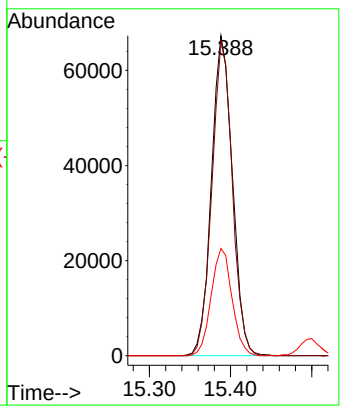




#93
1,2,4-Trichlorobenzene
Concen: 52.231 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:180 Resp: 12072

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	33.2	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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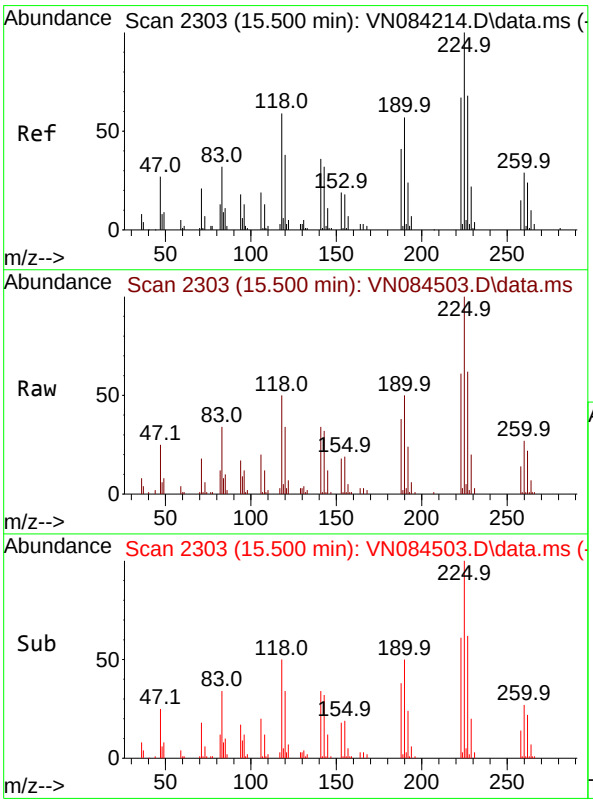
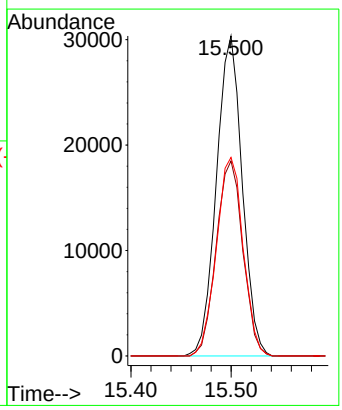
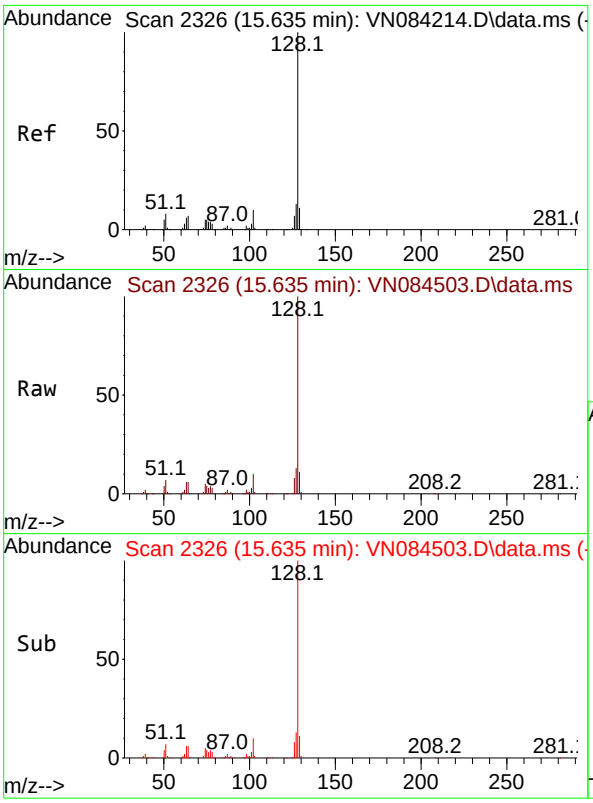


#94
Hexachlorobutadiene
Concen: 47.010 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:225 Resp: 54186

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	64.3	32.4	97.0

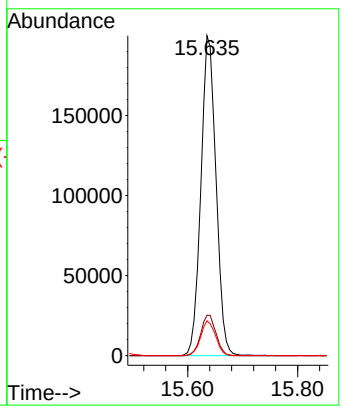




#95
Naphthalene
Concen: 49.799 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:128 Resp: 38158

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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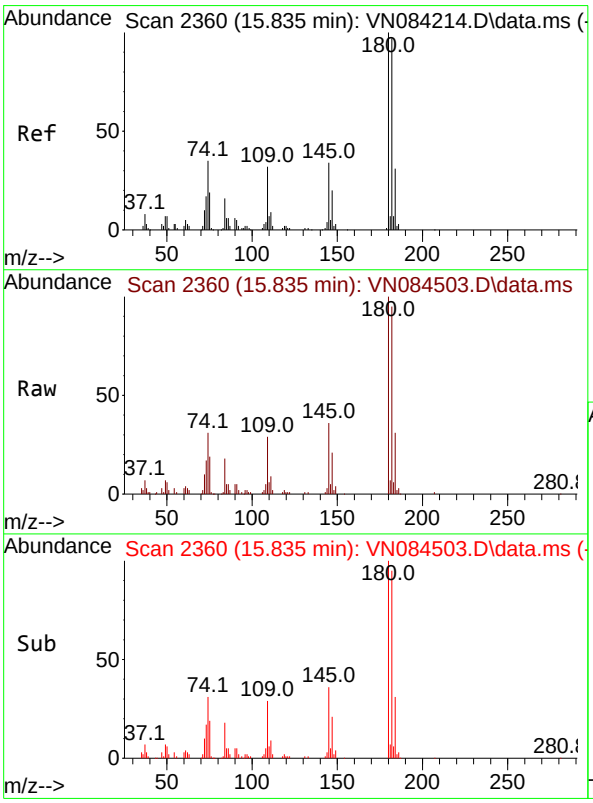
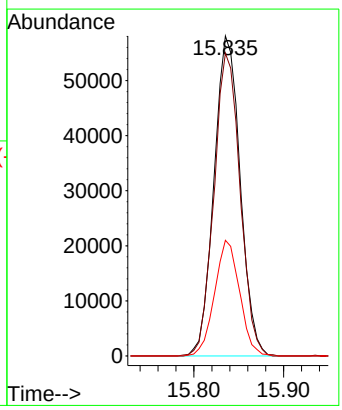


#96
1,2,3-Trichlorobenzene
Concen: 50.686 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:180 Resp: 117270

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	34.7	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	0.591	0.431	27.1#	73	0.00
3	P	Chloromethane	0.675	0.535	20.7	83	0.00
4	C	Vinyl Chloride	0.654	0.560	14.4#	87	0.00
5	T	Bromomethane	0.431	0.358	16.9	86	0.00
6	T	Chloroethane	0.468	0.374	20.1	93	0.00
7	T	Trichlorofluoromethane	1.019	0.965	5.3	94	0.00
8	T	Diethyl Ether	0.378	0.366	3.2	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.570	2.4	100	0.00
10	T	Methyl Iodide	0.752	0.726	3.5	94	0.00
11	T	Tert butyl alcohol	0.122	0.113	7.4	95	0.00
12	CM	1,1-Dichloroethene	0.563	0.545	3.2#	96	0.00
13	T	Acrolein	0.140	0.131	6.4	95	0.00
14	T	Allyl chloride	0.978	0.879	10.1	92	0.00
15	T	Acrylonitrile	0.309	0.311	-0.6	102	0.00
16	T	Acetone	0.318	0.365	-14.8	111	0.00
17	T	Carbon Disulfide	1.782	1.442	19.1	87	0.00
18	T	Methyl Acetate	0.694	0.700	-0.9	103	0.00
19	T	Methyl tert-butyl Ether	1.900	1.987	-4.6	101	0.00
20	T	Methylene Chloride	0.647	0.639	1.2	101	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.585	0.8	98	0.00
22	T	Diisopropyl ether	2.022	2.074	-2.6	99	0.00
23	T	Vinyl Acetate	1.500	1.553	-3.5	98	0.00
24	P	1,1-Dichloroethane	1.131	1.151	-1.8	100	0.00
25	T	2-Butanone	0.434	0.461	-6.2	106	0.00
26	T	2,2-Dichloropropane	1.020	1.036	-1.6	99	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.722	-1.3	101	0.00
28	T	Bromochloromethane	0.505	0.496	1.8	104	0.00
29	T	Tetrahydrofuran	0.268	0.269	-0.4	99	0.00
30	C	Chloroform	1.175	1.213	-3.2#	105	0.00
31	T	Cyclohexane	1.098	0.947	13.8	92	0.00
32	T	1,1,1-Trichloroethane	1.055	1.069	-1.3	101	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.751	-1.3	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.330	0.363	-10.0	113	0.00
36	T	1,1-Dichloropropene	0.479	0.487	-1.7	96	0.00
37	T	Ethyl Acetate	0.491	0.503	-2.4	101	0.00
38	T	Carbon Tetrachloride	0.525	0.544	-3.6	100	0.00
39	T	Methylcyclohexane	0.533	0.535	-0.4	92	0.00
40	TM	Benzene	1.492	1.554	-4.2	101	0.00
41	T	Methacrylonitrile	0.267	0.273	-2.2	96	0.00
42	TM	1,2-Dichloroethane	0.506	0.527	-4.2	101	0.00
43	T	Isopropyl Acetate	0.962	0.950	1.2	107	0.00
44	TM	Trichloroethene	0.348	0.361	-3.7	100	0.00
45	C	1,2-Dichloropropane	0.353	0.381	-7.9#	102	0.00
46	T	Dibromomethane	0.238	0.267	-12.2	103	0.00
47	T	Bromodichloromethane	0.529	0.576	-8.9	104	0.00
48	T	Methyl methacrylate	0.383	0.399	-4.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	95	0.00
50	S	Toluene-d8	1.213	1.283	-5.8	104	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.513	-9.6	102	0.00
52	CM	Toluene	0.910	0.983	-8.0#	102	0.00
53	T	t-1,3-Dichloropropene	0.539	0.592	-9.8	101	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.639	-10.2	101	0.00
55	T	1,1,2-Trichloroethane	0.326	0.364	-11.7	105	0.00
56	T	Ethyl methacrylate	0.537	0.607	-13.0	102	0.00
57	T	1,3-Dichloropropane	0.583	0.634	-8.7	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.275	-10.4	99	0.00
59	T	2-Hexanone	0.349	0.394	-12.9	103	0.00
60	T	Dibromochloromethane	0.385	0.437	-13.5	105	0.00
61	T	1,2-Dibromoethane	0.339	0.371	-9.4	104	0.00
62	S	4-Bromofluorobenzene	0.442	0.496	-12.2	111	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.348	0.356	-2.3	103	0.00
65	PM	Chlorobenzene	1.109	1.176	-6.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.411	-7.6	106	0.00
67	C	Ethyl Benzene	1.961	2.097	-6.9#	103	0.00
68	T	m/p-Xylenes	0.725	0.806	-11.2	104	0.00
69	T	o-Xylene	0.686	0.757	-10.3	101	0.00
70	T	Styrene	1.162	1.339	-15.2	106	0.00
71	P	Bromoform	0.281	0.317	-12.8	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.815	3.921	-2.8	103	0.00
74	T	N-amyl acetate	1.728	1.712	0.9	100	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.156	-0.8	106	0.00
76	T	1,2,3-Trichloropropane	1.021	0.968	5.2	93	0.00
77	T	Bromobenzene	0.920	0.945	-2.7	108	0.00
78	T	n-propylbenzene	4.421	4.684	-5.9	104	0.00
79	T	2-Chlorotoluene	2.821	2.864	-1.5	103	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.349	-7.6	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.422	0.9	102	0.00
82	T	4-Chlorotoluene	2.840	2.930	-3.2	105	0.00
83	T	tert-Butylbenzene	2.766	2.715	1.8	97	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.356	-7.0	103	0.00
85	T	sec-Butylbenzene	3.691	3.928	-6.4	103	0.00
86	T	p-Isopropyltoluene	3.052	3.293	-7.9	102	0.00
87	T	1,3-Dichlorobenzene	1.727	1.755	-1.6	107	0.00
88	T	1,4-Dichlorobenzene	1.744	1.742	0.1	106	0.00
89	T	n-Butylbenzene	2.768	2.921	-5.5	103	0.00
90	T	Hexachloroethane	0.620	0.607	2.1	103	0.00
91	T	1,2-Dichlorobenzene	1.693	1.683	0.6	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.222	6.3	101	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.871	-4.4	101	0.00
94	T	Hexachlorobutadiene	0.416	0.391	6.0	107	0.00
95	T	Naphthalene	2.764	2.753	0.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.835	0.846	-1.3	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2	T	Dichlorodifluoromethane	50.000	36.398	27.2#	73	0.00
3	P	Chloromethane	50.000	39.648	20.7	83	0.00
4	C	Vinyl Chloride	50.000	42.813	14.4#	87	0.00
5	T	Bromomethane	50.000	41.516	17.0	86	0.00
6	T	Chloroethane	50.000	39.884	20.2	93	0.00
7	T	Trichlorofluoromethane	50.000	47.378	5.2	94	0.00
8	T	Diethyl Ether	50.000	48.384	3.2	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.848	2.3	100	0.00
10	T	Methyl Iodide	50.000	48.314	3.4	94	0.00
11	T	Tert butyl alcohol	250.000	230.135	7.9	95	0.00
12	CM	1,1-Dichloroethene	50.000	48.448	3.1#	96	0.00
13	T	Acrolein	250.000	233.122	6.8	95	0.00
14	T	Allyl chloride	50.000	44.943	10.1	92	0.00
15	T	Acrylonitrile	250.000	252.096	-0.8	102	0.00
16	T	Acetone	250.000	286.656	-14.7	111	0.00
17	T	Carbon Disulfide	50.000	40.440	19.1	87	0.00
18	T	Methyl Acetate	50.000	50.414	-0.8	103	0.00
19	T	Methyl tert-butyl Ether	50.000	52.287	-4.6	101	0.00
20	T	Methylene Chloride	50.000	49.315	1.4	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.634	0.7	98	0.00
22	T	Diisopropyl ether	50.000	51.282	-2.6	99	0.00
23	T	Vinyl Acetate	250.000	258.787	-3.5	98	0.00
24	P	1,1-Dichloroethane	50.000	50.906	-1.8	100	0.00
25	T	2-Butanone	250.000	265.466	-6.2	106	0.00
26	T	2,2-Dichloropropane	50.000	50.799	-1.6	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.644	-1.3	101	0.00
28	T	Bromochloromethane	50.000	49.119	1.8	104	0.00
29	T	Tetrahydrofuran	250.000	251.177	-0.5	99	0.00
30	C	Chloroform	50.000	51.643	-3.3#	105	0.00
31	T	Cyclohexane	50.000	43.113	13.8	92	0.00
32	T	1,1,1-Trichloroethane	50.000	50.664	-1.3	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.628	-1.3	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	55.017	-10.0	113	0.00
36	T	1,1-Dichloropropene	50.000	50.818	-1.6	96	0.00
37	T	Ethyl Acetate	50.000	51.219	-2.4	101	0.00
38	T	Carbon Tetrachloride	50.000	51.799	-3.6	100	0.00
39	T	Methylcyclohexane	50.000	50.207	-0.4	92	0.00
40	TM	Benzene	50.000	52.089	-4.2	101	0.00
41	T	Methacrylonitrile	50.000	51.176	-2.4	96	0.00
42	TM	1,2-Dichloroethane	50.000	52.064	-4.1	101	0.00
43	T	Isopropyl Acetate	50.000	49.368	1.3	107	0.00
44	TM	Trichloroethene	50.000	51.762	-3.5	100	0.00
45	C	1,2-Dichloropropane	50.000	54.048	-8.1#	102	0.00
46	T	Dibromomethane	50.000	55.969	-11.9	103	0.00
47	T	Bromodichloromethane	50.000	54.395	-8.8	104	0.00
48	T	Methyl methacrylate	50.000	52.136	-4.3	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	977.637	2.2	95	0.00
50	S	Toluene-d8	50.000	52.888	-5.8	104	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.285	-9.7	102	0.00
52	CM	Toluene	50.000	54.054	-8.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	54.888	-9.8	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.080	-10.2	101	0.00
55	T	1,1,2-Trichloroethane	50.000	55.801	-11.6	105	0.00
56	T	Ethyl methacrylate	50.000	56.529	-13.1	102	0.00
57	T	1,3-Dichloropropane	50.000	54.423	-8.8	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.155	-10.5	99	0.00
59	T	2-Hexanone	250.000	281.584	-12.6	103	0.00
60	T	Dibromochloromethane	50.000	56.669	-13.3	105	0.00
61	T	1,2-Dibromoethane	50.000	54.729	-9.5	104	0.00
62	S	4-Bromofluorobenzene	50.000	56.092	-12.2	111	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	51.180	-2.4	103	0.00
65	PM	Chlorobenzene	50.000	53.042	-6.1	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.856	-7.7	106	0.00
67	C	Ethyl Benzene	50.000	53.480	-7.0#	103	0.00
68	T	m/p-Xylenes	100.000	111.160	-11.2	104	0.00
69	T	o-Xylene	50.000	55.158	-10.3	101	0.00
70	T	Styrene	50.000	57.594	-15.2	106	0.00
71	P	Bromoform	50.000	56.348	-12.7	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	51.385	-2.8	103	0.00
74	T	N-amyl acetate	50.000	49.533	0.9	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.359	-0.7	106	0.00
76	T	1,2,3-Trichloropropane	50.000	47.420	5.2	93	0.00
77	T	Bromobenzene	50.000	51.366	-2.7	108	0.00
78	T	n-propylbenzene	50.000	52.981	-6.0	104	0.00
79	T	2-Chlorotoluene	50.000	50.768	-1.5	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.809	-7.6	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.520	1.0	102	0.00
82	T	4-Chlorotoluene	50.000	51.584	-3.2	105	0.00
83	T	tert-Butylbenzene	50.000	49.081	1.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.515	-7.0	103	0.00
85	T	sec-Butylbenzene	50.000	53.211	-6.4	103	0.00
86	T	p-Isopropyltoluene	50.000	53.933	-7.9	102	0.00
87	T	1,3-Dichlorobenzene	50.000	50.810	-1.6	107	0.00
88	T	1,4-Dichlorobenzene	50.000	49.961	0.1	106	0.00
89	T	n-Butylbenzene	50.000	52.772	-5.5	103	0.00
90	T	Hexachloroethane	50.000	48.991	2.0	103	0.00
91	T	1,2-Dichlorobenzene	50.000	49.707	0.6	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.955	6.1	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.231	-4.5	101	0.00
94	T	Hexachlorobutadiene	50.000	47.010	6.0	107	0.00
95	T	Naphthalene	50.000	49.799	0.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.686	-1.4	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 19:13

Lab File ID: VN084526.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.675	0.530	0.1	-21.48	50
Vinyl Chloride	0.654	0.549		-16.06	50
Bromomethane	0.431	0.340		-21.11	50
Chloroethane	0.468	0.372		-20.51	50
Trichlorofluoromethane	1.019	0.971		-4.71	50
1,1,2-Trichlorotrifluoroethane	0.584	0.564		-3.42	50
1,1-Dichloroethene	0.563	0.525		-6.75	50
Acetone	0.318	0.256		-19.5	50
Carbon Disulfide	1.782	1.370		-23.12	50
Methyl tert-butyl Ether	1.900	1.913		0.68	50
Methylene Chloride	0.647	0.638		-1.39	50
trans-1,2-Dichloroethene	0.590	0.563		-4.58	50
1,1-Dichloroethane	1.131	1.153	0.1	1.95	50
2-Butanone	0.434	0.401		-7.6	50
Carbon Tetrachloride	0.525	0.531		1.14	50
cis-1,2-Dichloroethene	0.713	0.727		1.96	50
Chloroform	1.175	1.223		4.09	50
1,1,1-Trichloroethane	1.055	1.069		1.33	50
Methylcyclohexane	0.533	0.498		-6.57	50
Benzene	1.492	1.515		1.54	50
1,2-Dichloroethane	0.506	0.517		2.17	50
Trichloroethene	0.348	0.352		1.15	50
1,2-Dichloropropane	0.353	0.380		7.65	50
Bromodichloromethane	0.529	0.565		6.8	50
4-Methyl-2-Pentanone	0.468	0.495		5.77	50
Toluene	0.910	0.953		4.72	50
t-1,3-Dichloropropene	0.539	0.562		4.27	50
cis-1,3-Dichloropropene	0.580	0.600		3.45	50
1,1,2-Trichloroethane	0.326	0.358		9.82	50
2-Hexanone	0.349	0.364		4.3	50
Dibromochloromethane	0.385	0.433		12.47	50
Tetrachloroethene	0.348	0.348		0	50
Chlorobenzene	1.109	1.125	0.3	1.44	50
Ethyl Benzene	1.961	2.044		4.23	50
m/p-Xylenes	0.725	0.784		8.14	50
o-Xylene	0.686	0.752		9.62	50
Styrene	1.162	1.287		10.76	50
Bromoform	0.281	0.308	0.1	9.61	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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/25/2024 19:13

Lab File ID: VN084526.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.815	3.640		-4.59	50
1,1,2,2-Tetrachloroethane	1.147	1.101	0.3	-4.01	50
1,3-Dichlorobenzene	1.727	1.625		-5.91	50
1,4-Dichlorobenzene	1.744	1.638		-6.08	50
1,2-Dichlorobenzene	1.693	1.600		-5.49	50
1,2-Dichloroethane-d4	0.741	0.736		-0.68	50
Dibromofluoromethane	0.330	0.344		4.24	50
Toluene-d8	1.213	1.245		2.64	50
4-Bromofluorobenzene	0.442	0.467		5.66	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 : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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) Pentafluorobenzene	8.224	168	166788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122767	49.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.280%			
35) Dibromofluoromethane	8.165	113	98679	52.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.565	98	356900	51.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.847	95	133768	52.811	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	72195	36.594	ug/l	94
3) Chloromethane	2.365	50	88344	39.218	ug/l	99
4) Vinyl Chloride	2.518	62	91591	41.975	ug/l	95
5) Bromomethane	2.948	94	56745	39.426	ug/l	99
6) Chloroethane	3.118	64	62116	39.749	ug/l	92
7) Trichlorofluoromethane	3.501	101	161924	47.655	ug/l	95
8) Diethyl Ether	3.965	74	59289	47.048	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	93993	48.278	ug/l	99
10) Methyl Iodide	4.589	142	117205	46.747	ug/l	95
11) Tert butyl alcohol	5.518	59	88149	216.174	ug/l	99
12) 1,1-Dichloroethene	4.342	96	87574	46.634	ug/l	95
13) Acrolein	4.183	56	104358	222.928	ug/l	100
14) Allyl chloride	5.024	41	140102	42.957	ug/l	98
15) Acrylonitrile	5.718	53	255442	248.067	ug/l	99
16) Acetone	4.424	43	213314	200.799	ug/l	98
17) Carbon Disulfide	4.712	76	228560	38.442	ug/l	99
18) Methyl Acetate	5.024	43	114869	49.611	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	319035	50.335	ug/l	96
20) Methylene Chloride	5.277	84	106437	49.288	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	93864	47.709	ug/l	98
22) Diisopropyl ether	6.671	45	344942	51.132	ug/l	99
23) Vinyl Acetate	6.600	43	1230781	245.982	ug/l	100
24) 1,1-Dichloroethane	6.571	63	192358	50.989	ug/l	100
25) 2-Butanone	7.483	43	334778	231.376	ug/l	99
26) 2,2-Dichloropropane	7.488	77	153197	45.038	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	121267	51.007	ug/l	96
28) Bromochloromethane	7.818	49	83192	49.424	ug/l	95
29) Tetrahydrofuran	7.841	42	222275	248.934	ug/l	99
30) Chloroform	7.965	83	203952	52.045	ug/l	97
31) Cyclohexane	8.253	56	154232	42.106	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	178226	50.640	ug/l	100
36) 1,1-Dichloropropene	8.371	75	136786	49.831	ug/l	99
37) Ethyl Acetate	7.559	43	140540	49.906	ug/l	99
38) Carbon Tetrachloride	8.359	117	152192	50.544	ug/l	97
39) Methylcyclohexane	9.600	83	142779	46.735	ug/l	98
40) Benzene	8.606	78	434246	50.775	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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)
41) Methacrylonitrile	7.777	41	78193	51.145	ug/l		97
42) 1,2-Dichloroethane	8.671	62	148069	51.069	ug/l		99
43) Isopropyl Acetate	8.688	43	233167	42.271	ug/l		97
44) Trichloroethene	9.347	130	100781	50.453	ug/l		97
45) 1,2-Dichloropropane	9.624	63	109028	53.889	ug/l		96
46) Dibromomethane	9.706	93	75789	55.510	ug/l		99
47) Bromodichloromethane	9.888	83	161891	53.371	ug/l	#	99
48) Methyl methacrylate	9.682	41	109954	50.076	ug/l		97
49) 1,4-Dioxane	9.694	88	39891	986.815	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	709816	264.775	ug/l		99
52) Toluene	10.629	92	273057	52.357	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	161025	52.078	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	171984	51.711	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102513	54.831	ug/l		96
56) Ethyl methacrylate	10.871	69	165239	53.712	ug/l		97
57) 1,3-Dichloropropane	11.165	76	179630	53.769	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	370569	259.663	ug/l		98
59) 2-Hexanone	11.194	43	521492	260.266	ug/l		98
60) Dibromochloromethane	11.359	129	124112	56.184	ug/l		99
61) 1,2-Dibromoethane	11.465	107	103132	53.087	ug/l		99
64) Tetrachloroethene	11.100	164	90687	50.022	ug/l		97
65) Chlorobenzene	11.888	112	292777	50.731	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	105641	53.144	ug/l		98
67) Ethyl Benzene	11.959	91	532113	52.136	ug/l		99
68) m/p-Xylenes	12.071	106	408093	108.094	ug/l		98
69) o-Xylene	12.400	106	195654	54.776	ug/l		98
70) Styrene	12.412	104	334901	55.354	ug/l		99
71) Bromoform	12.576	173	80145	54.763	ug/l	#	99
73) Isopropylbenzene	12.694	105	497663	47.706	ug/l		99
74) N-amyl acetate	12.494	43	214096	45.322	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	150561	47.998	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	124511m	44.613	ug/l		
77) Bromobenzene	12.976	156	118604	47.134	ug/l		97
78) n-propylbenzene	13.035	91	596232	49.330	ug/l		100
79) 2-Chlorotoluene	13.123	91	363962	47.192	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	425766	50.034	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	50296	43.206	ug/l		98
82) 4-Chlorotoluene	13.217	91	368750	47.496	ug/l		99
83) tert-Butylbenzene	13.435	119	359032	47.471	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	432987	50.510	ug/l		99
85) sec-Butylbenzene	13.612	105	497624	49.306	ug/l		100
86) p-Isopropyltoluene	13.729	119	416390	49.893	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	222126	47.055	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	223979	46.984	ug/l		99
89) n-Butylbenzene	14.053	91	354026	46.782	ug/l		100
90) Hexachloroethane	14.329	117	75508	44.573	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	218768	47.263	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28530	44.075	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	103896	45.570	ug/l		99
94) Hexachlorobutadiene	15.500	225	46312	40.733	ug/l		98
95) Naphthalene	15.641	128	333714	44.152	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	103160	45.202	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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Quant Title : SW846 8260
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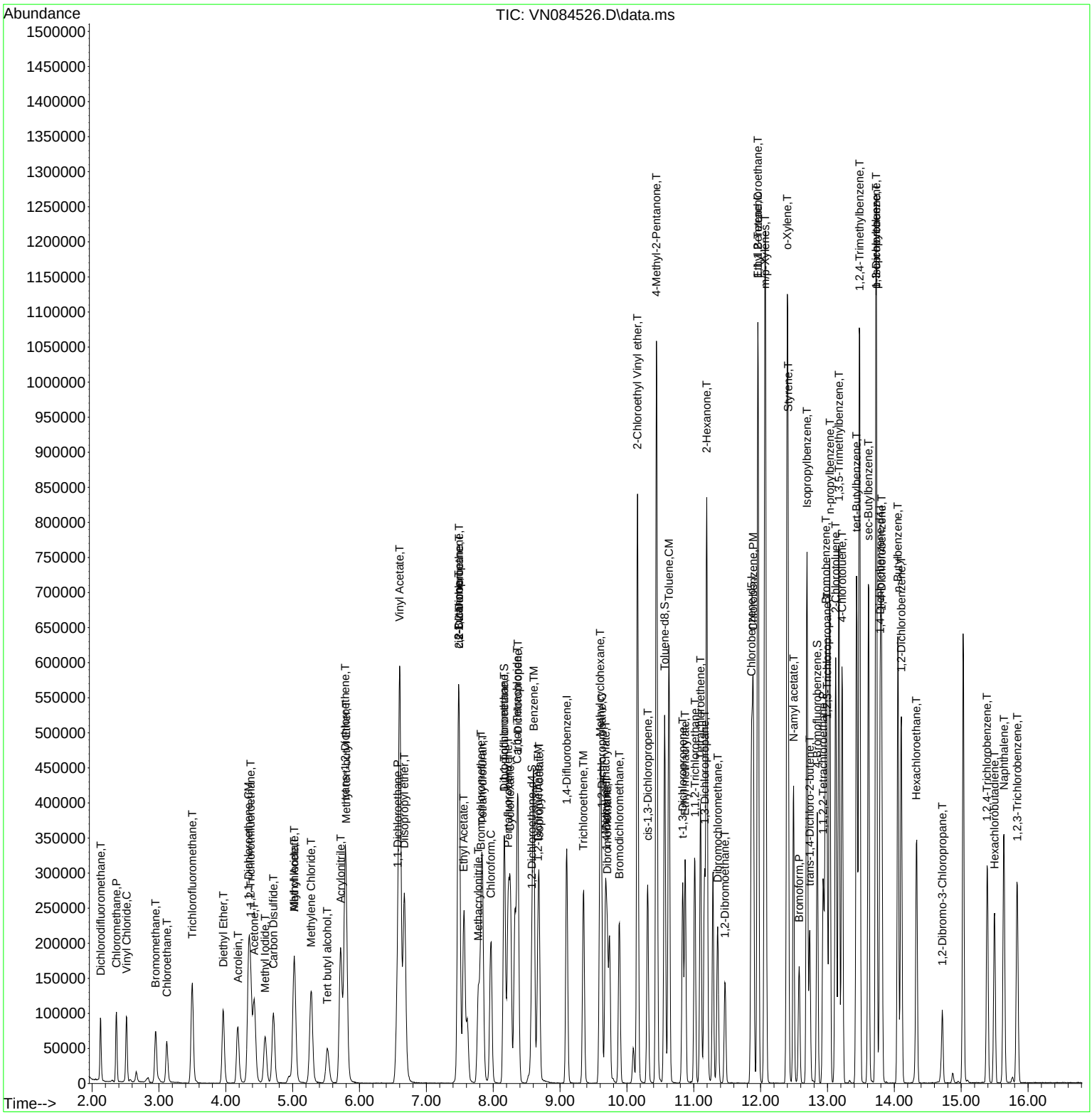
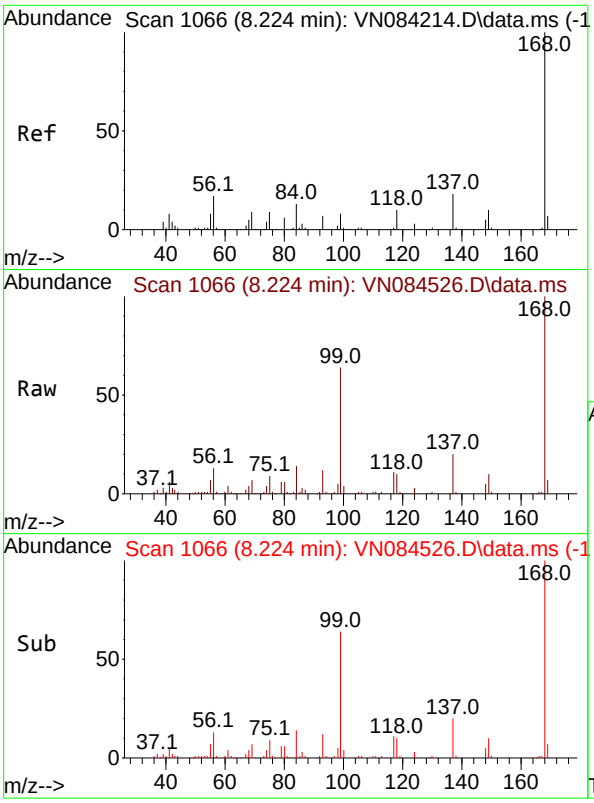
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

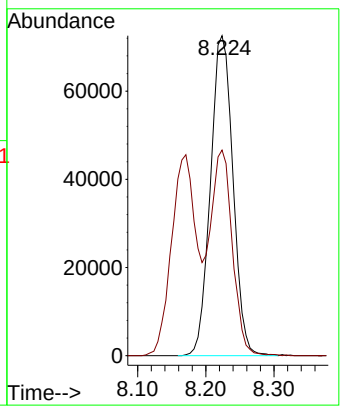




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:168 Resp: 16678

Ion	Ratio	Lower	Upper
168	100		
99	64.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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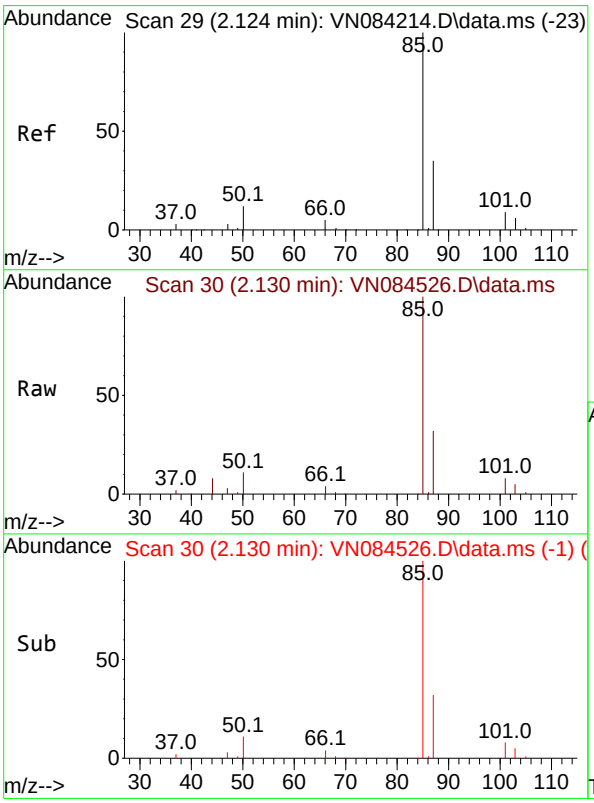
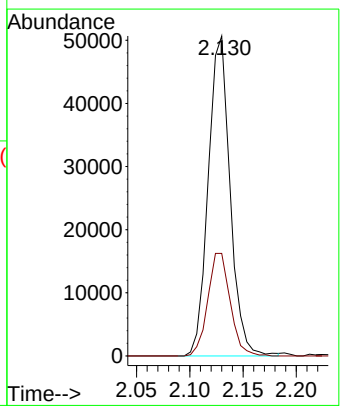
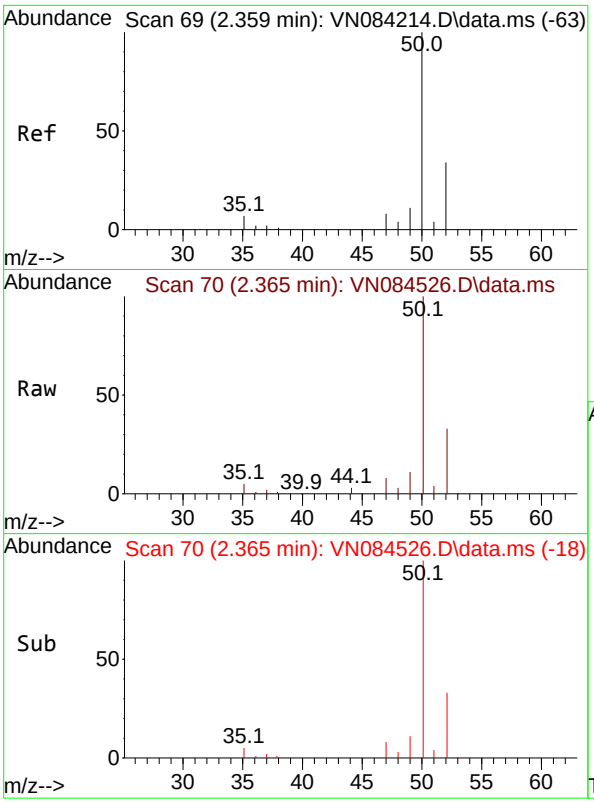


#2
Dichlorodifluoromethane
Concen: 36.594 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 85 Resp: 72195

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.6	52.9

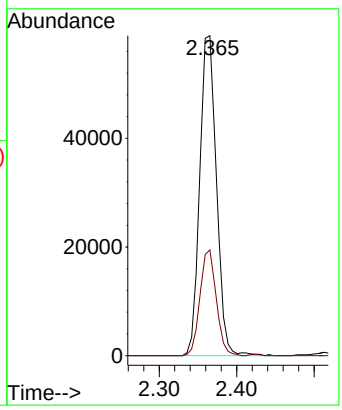




#3
Chloromethane
Concen: 39.218 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 50 Resp: 8834

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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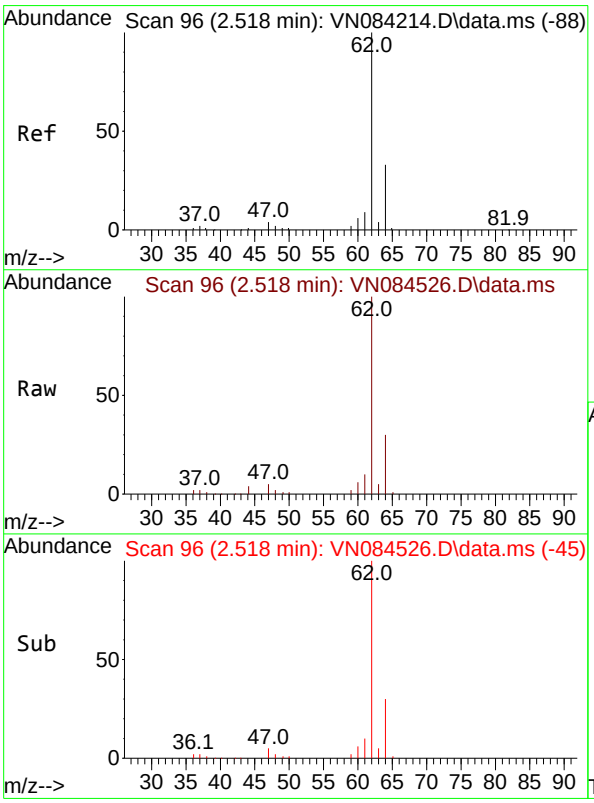
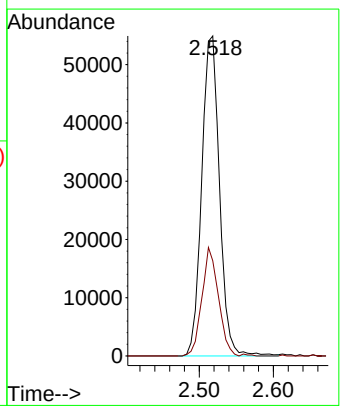
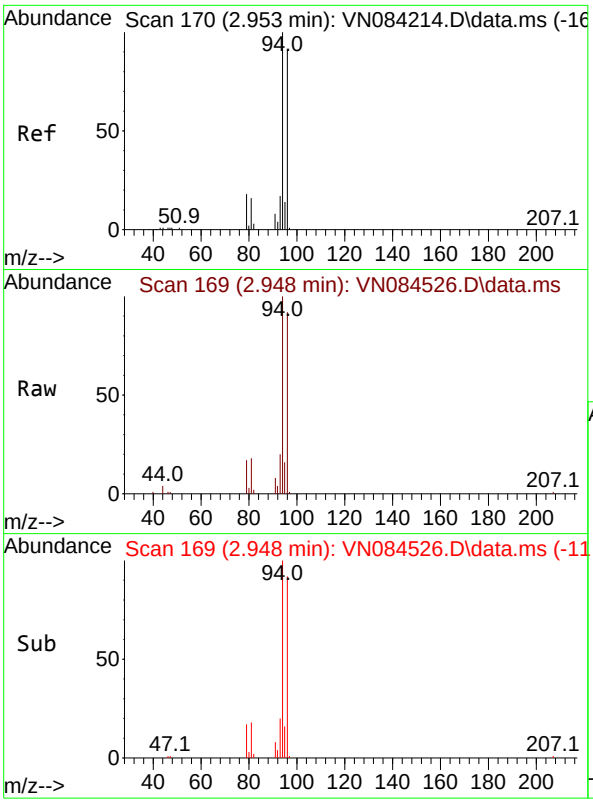


#4
Vinyl Chloride
Concen: 41.975 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 62 Resp: 91591

Ion	Ratio	Lower	Upper
62	100		
64	29.8	26.2	39.4





#5
Bromomethane
Concen: 39.426 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 94 Resp: 5674

Ion	Ratio	Lower	Upper
94	100		
96	92.2	72.9	109.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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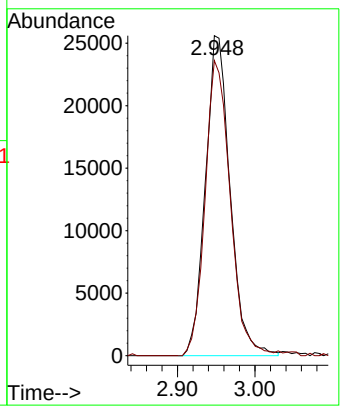
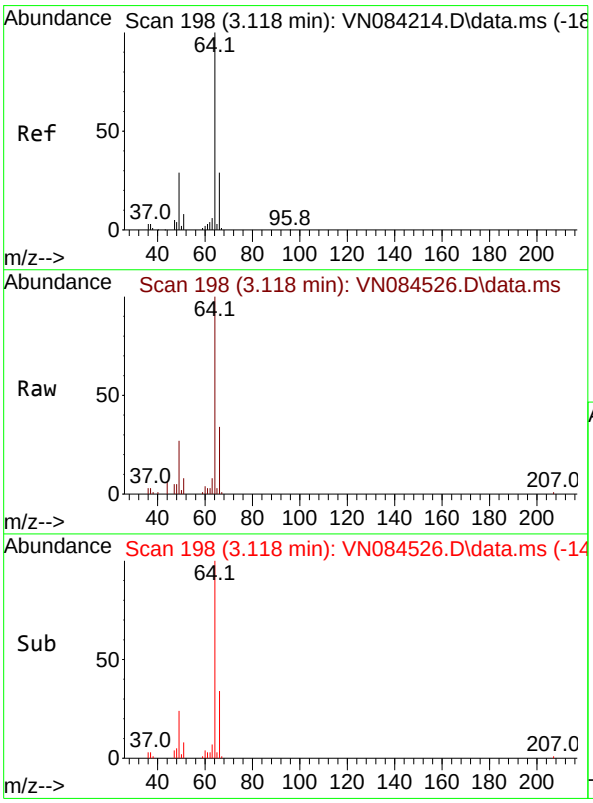
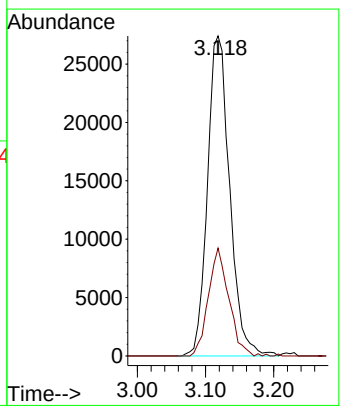


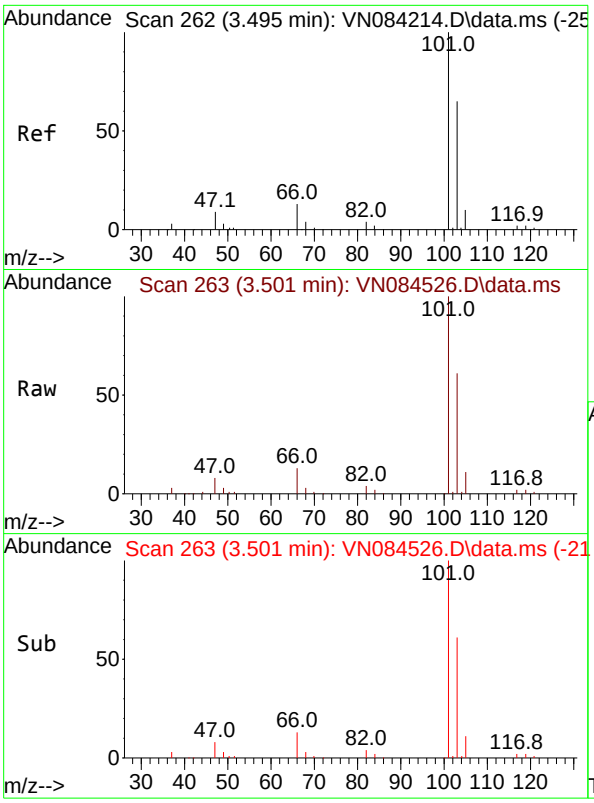


#6
Chloroethane
Concen: 39.749 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 64 Resp: 62116

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3

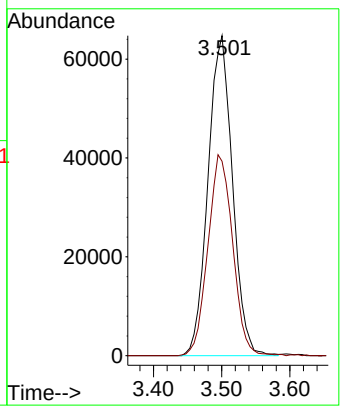




#7
Trichlorofluoromethane
Concen: 47.655 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:101 Resp: 16192

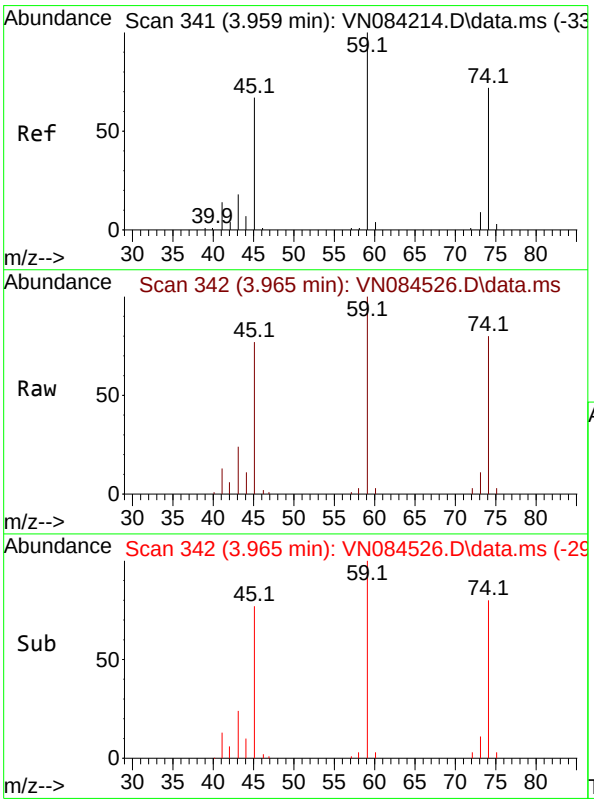
Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

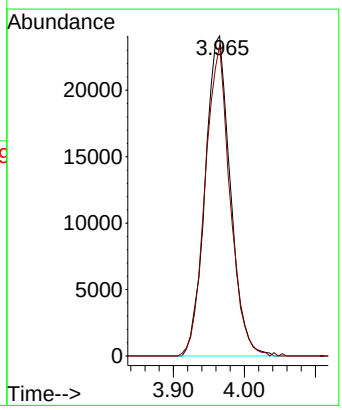
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

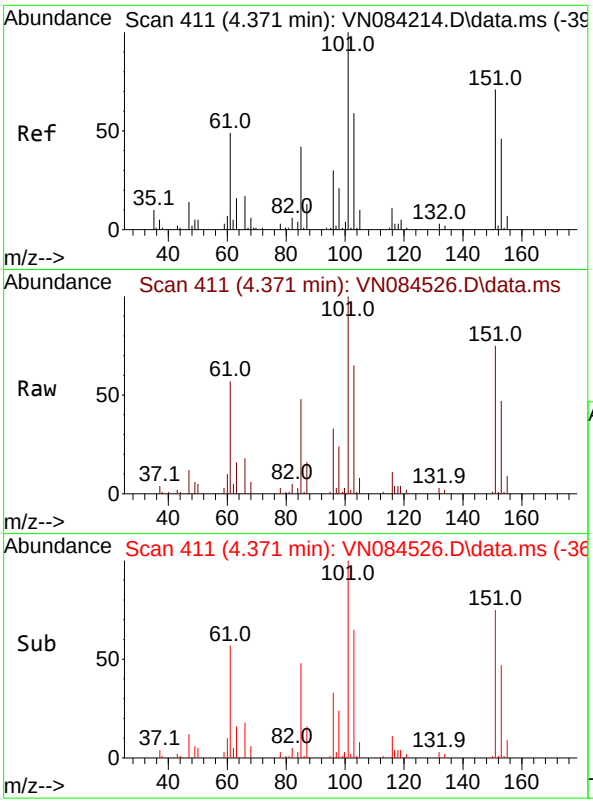


#8
Diethyl Ether
Concen: 47.048 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 74 Resp: 59289

Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.278 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:101 Resp: 9399

Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.2	54.4
151	74.1	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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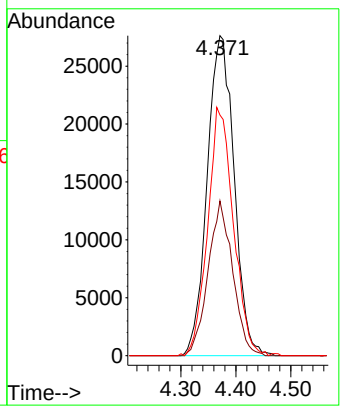
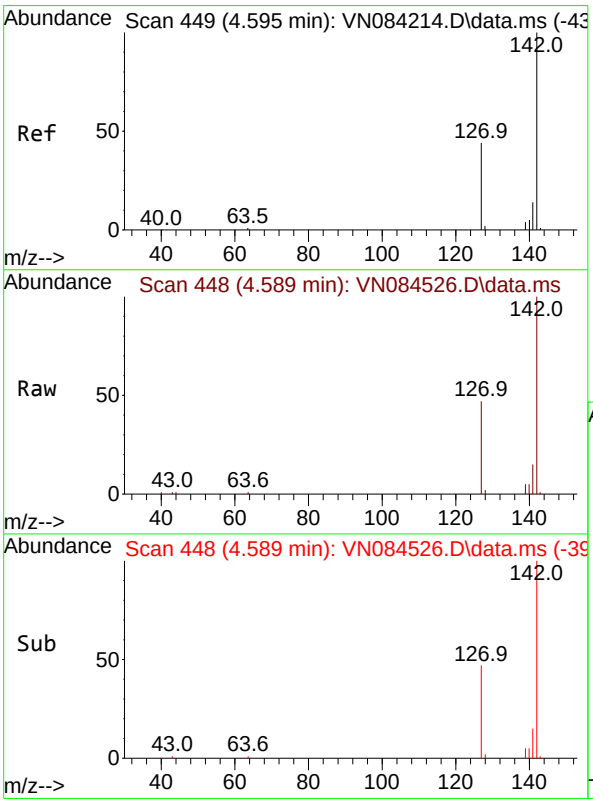
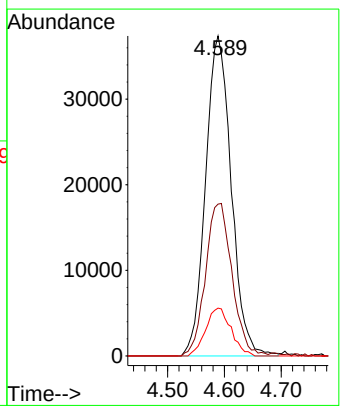


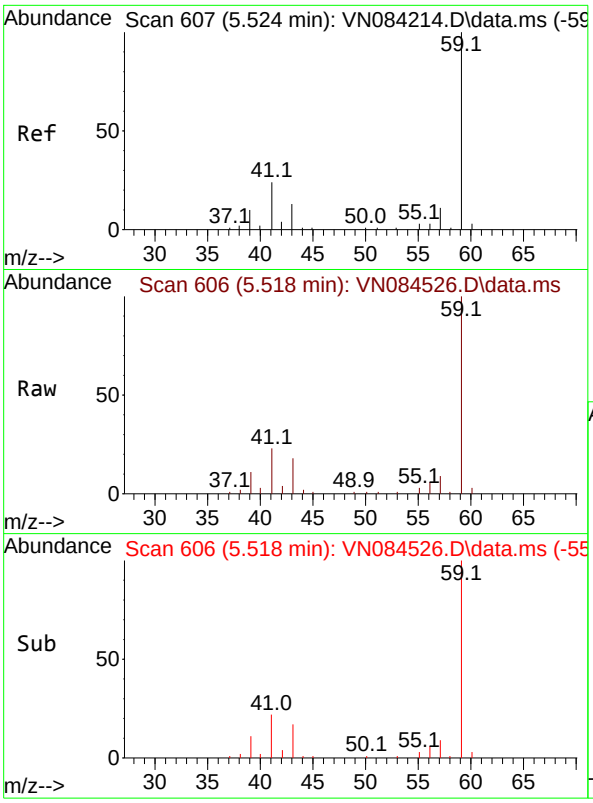


#10
Methyl Iodide
Concen: 46.747 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:142 Resp: 117205

Ion	Ratio	Lower	Upper
142	100		
127	47.5	35.3	52.9
141	14.9	11.0	16.6





#11
Tert butyl alcohol
Concen: 216.174 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 59 Resp: 8814

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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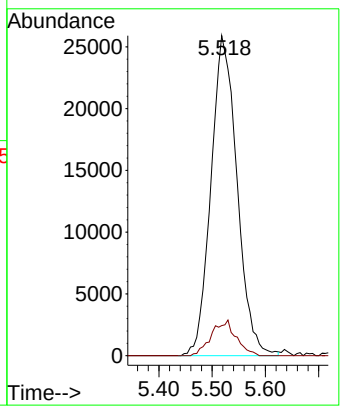
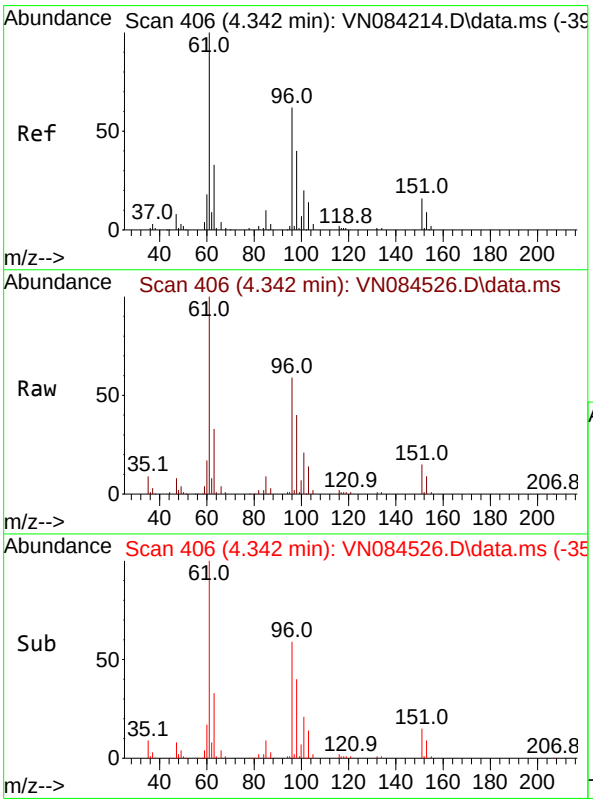
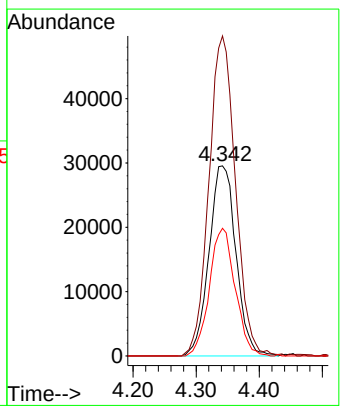


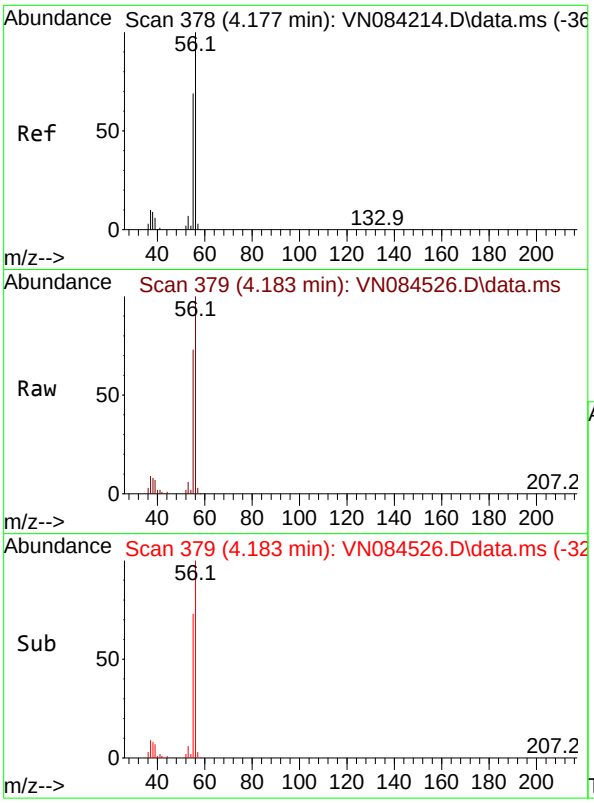


#12
1,1-Dichloroethene
Concen: 46.634 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 96 Resp: 87574

Ion	Ratio	Lower	Upper
96	100		
61	168.3	128.6	192.8
98	67.2	51.7	77.5

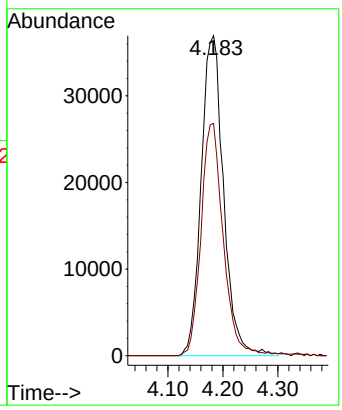




#13
Acrolein
Concen: 222.928 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 56 Resp: 10435

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8



Instrument :
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ClientSampleId :
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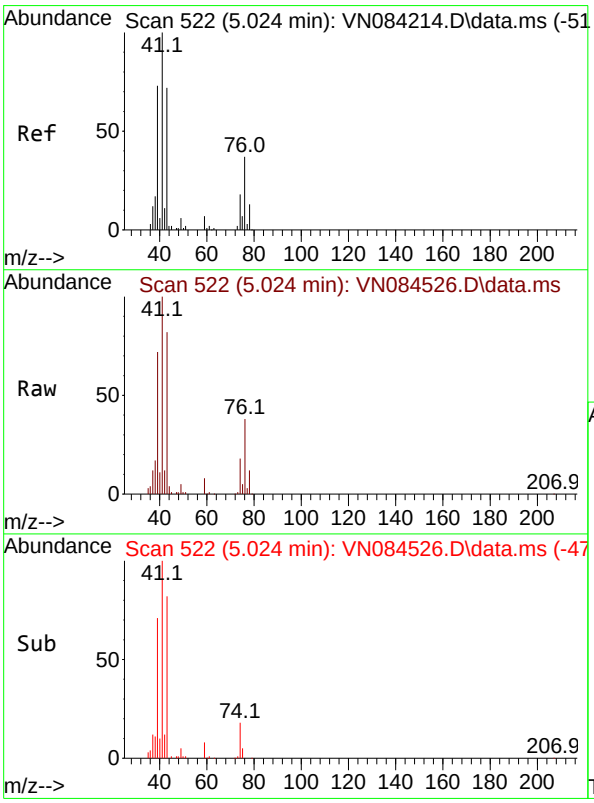
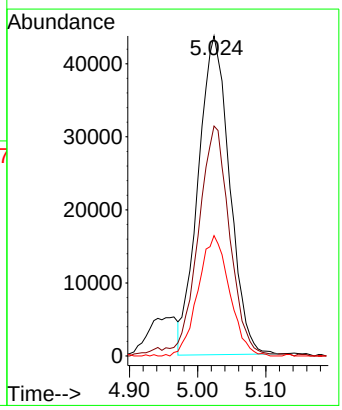
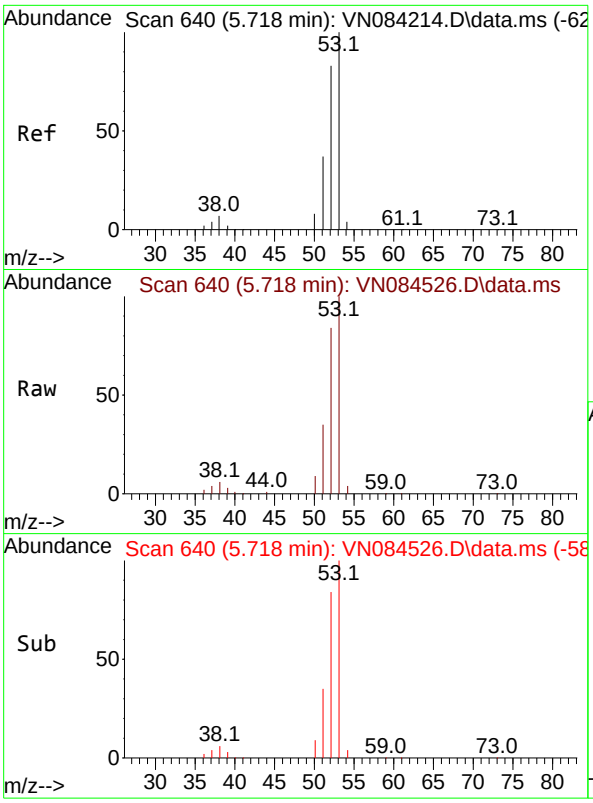


#14
Allyl chloride
Concen: 42.957 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 41 Resp: 140102

Ion	Ratio	Lower	Upper
41	100		
39	71.9	59.0	88.6
76	37.7	29.8	44.6





#15
Acrylonitrile
Concen: 248.067 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 53 Resp: 25544

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	37.2	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
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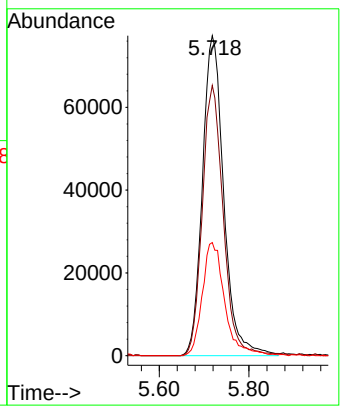
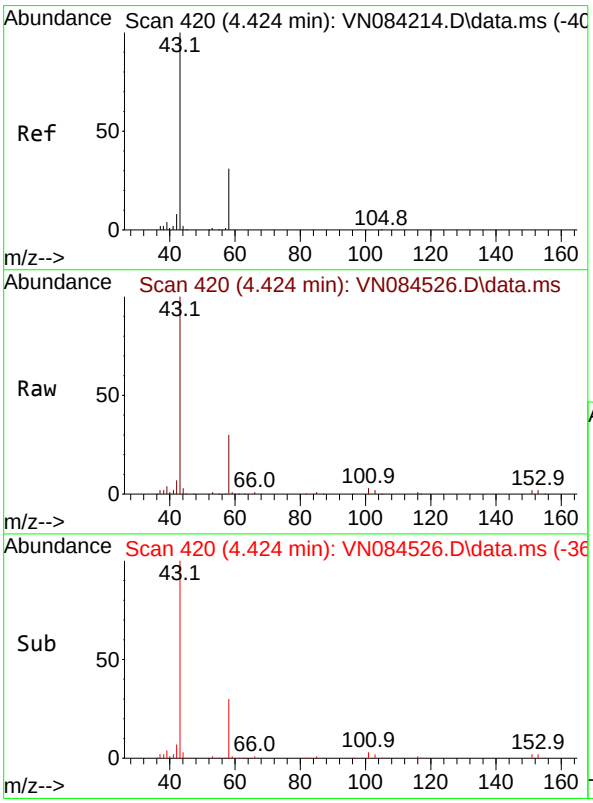
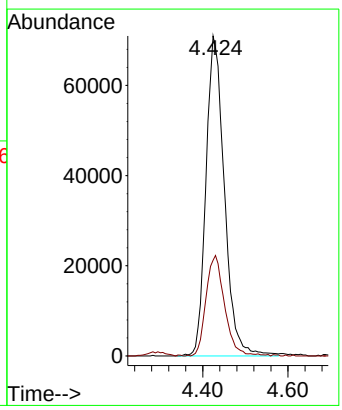


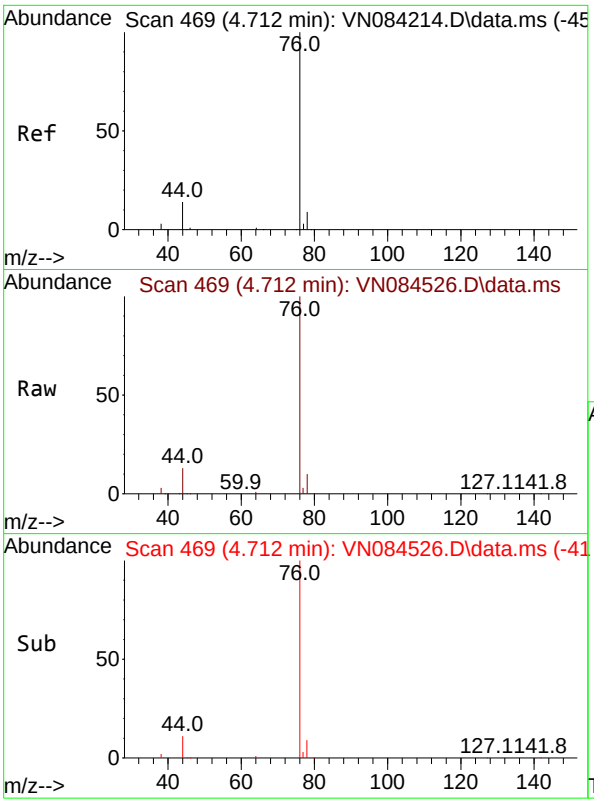


#16
Acetone
Concen: 200.799 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 213314

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.4	36.6

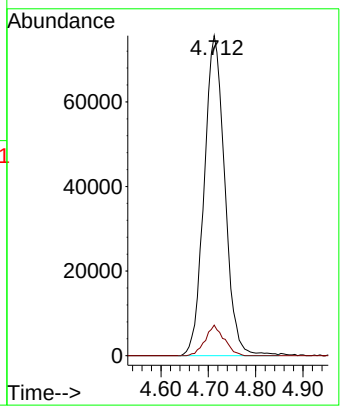




#17
Carbon Disulfide
Concen: 38.442 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 76 Resp: 22856

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
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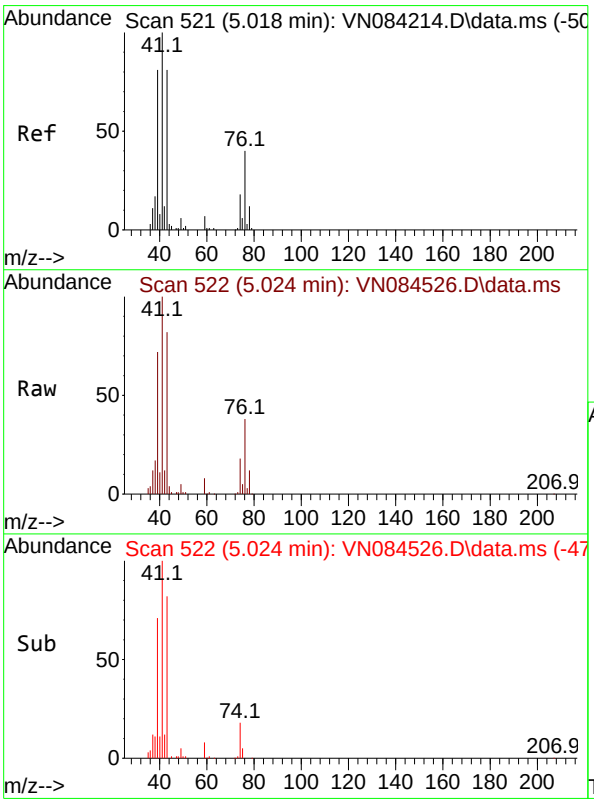
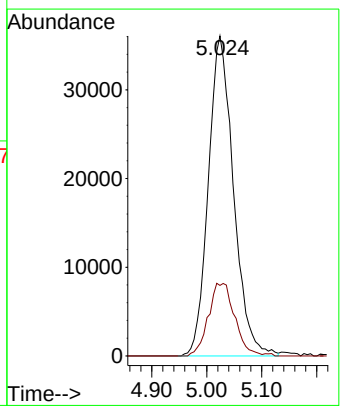
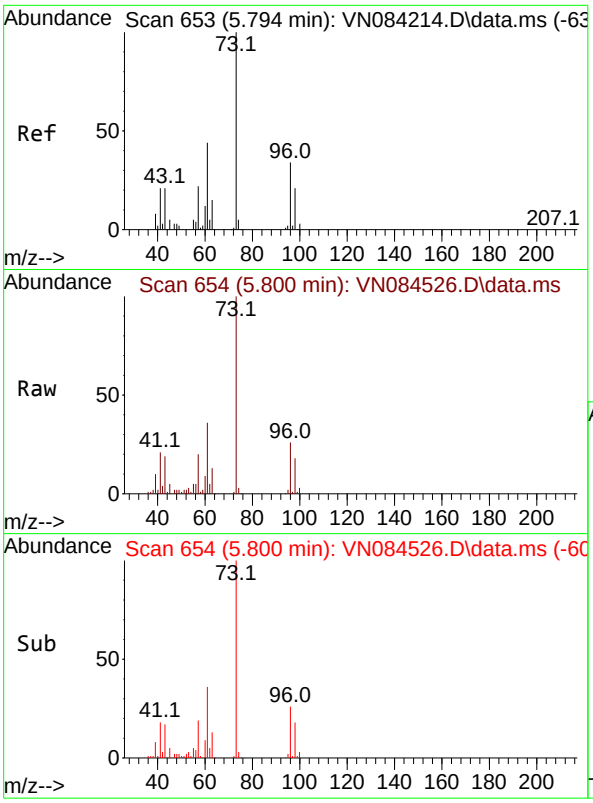


#18
Methyl Acetate
Concen: 49.611 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 114869

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8

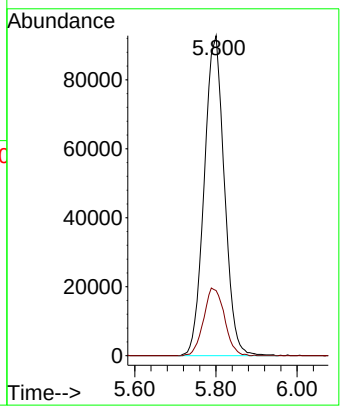




#19
Methyl tert-butyl Ether
Concen: 50.335 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 73 Resp: 31903

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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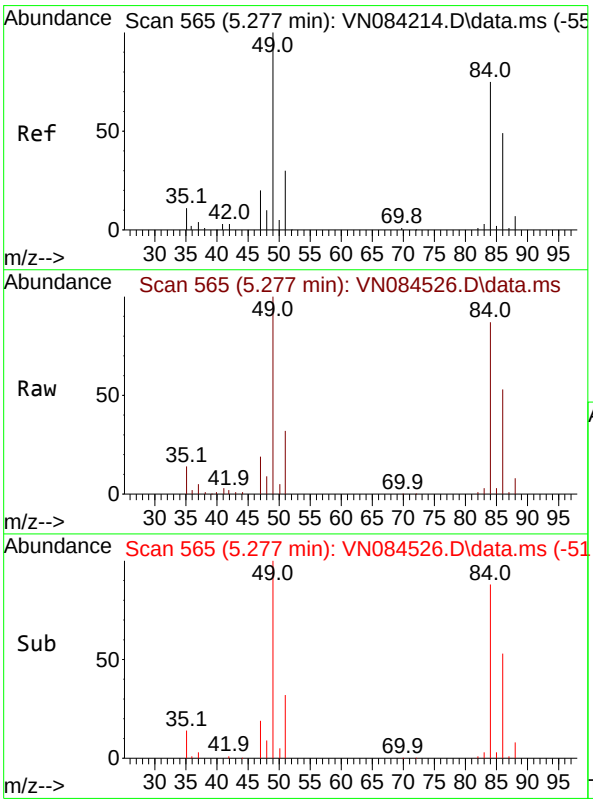
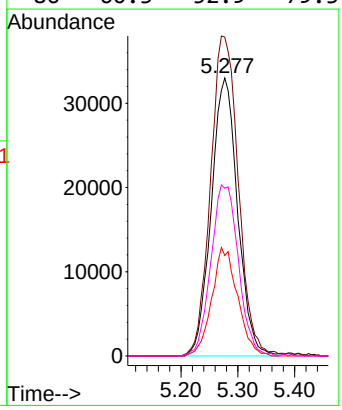
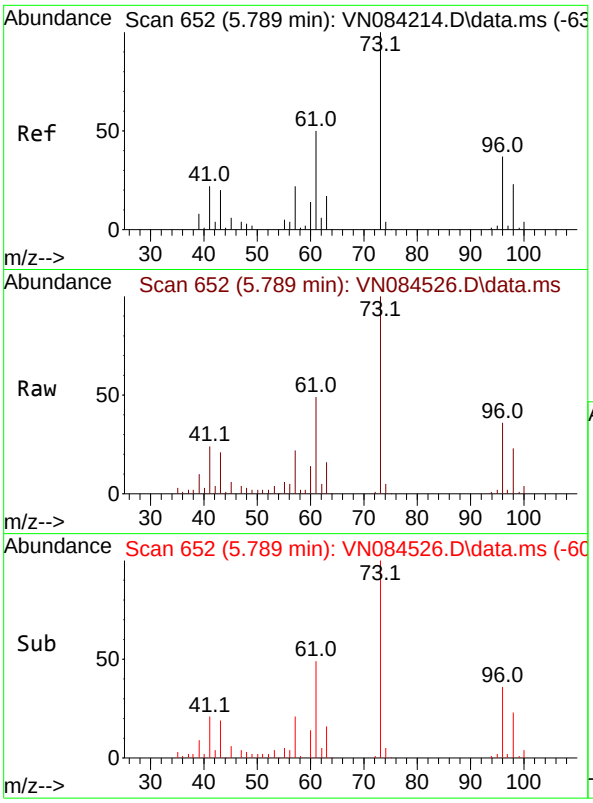


#20
Methylene Chloride
Concen: 49.288 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 84 Resp: 106437

Ion	Ratio	Lower	Upper
84	100		
49	114.7	107.2	160.8
51	36.2	31.8	47.8
86	60.3	52.9	79.3

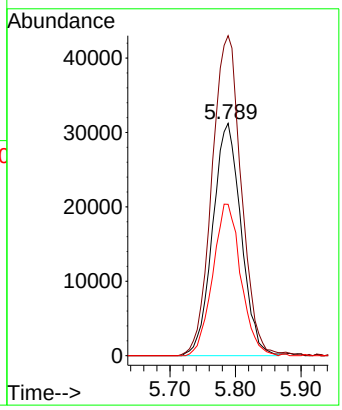




#21
trans-1,2-Dichloroethene
Concen: 47.709 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 96 Resp: 9386

Ion	Ratio	Lower	Upper
96	100		
61	137.8	108.4	162.6
98	65.2	49.8	74.8



Instrument :
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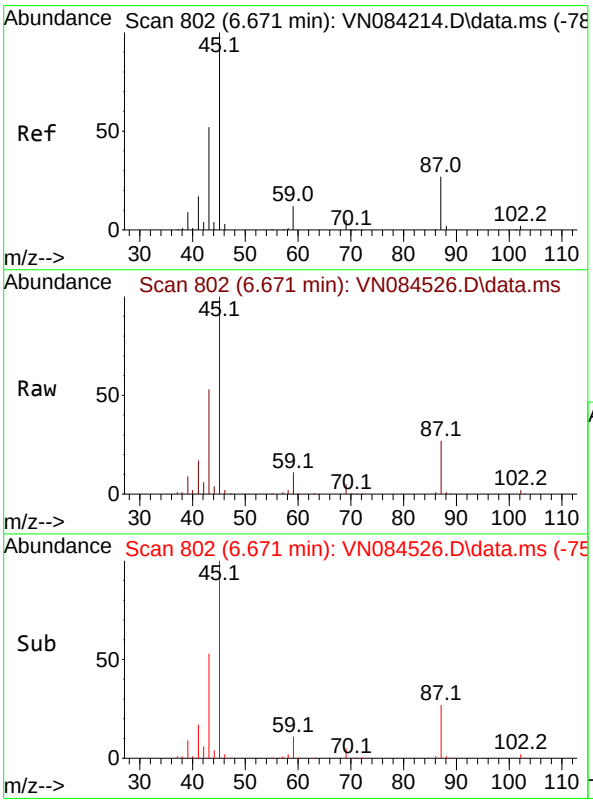
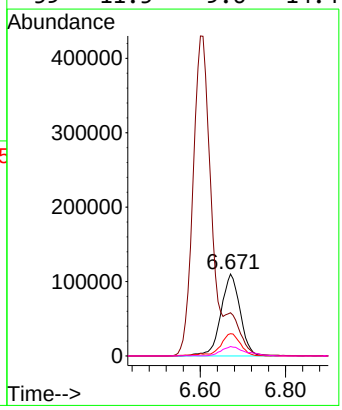
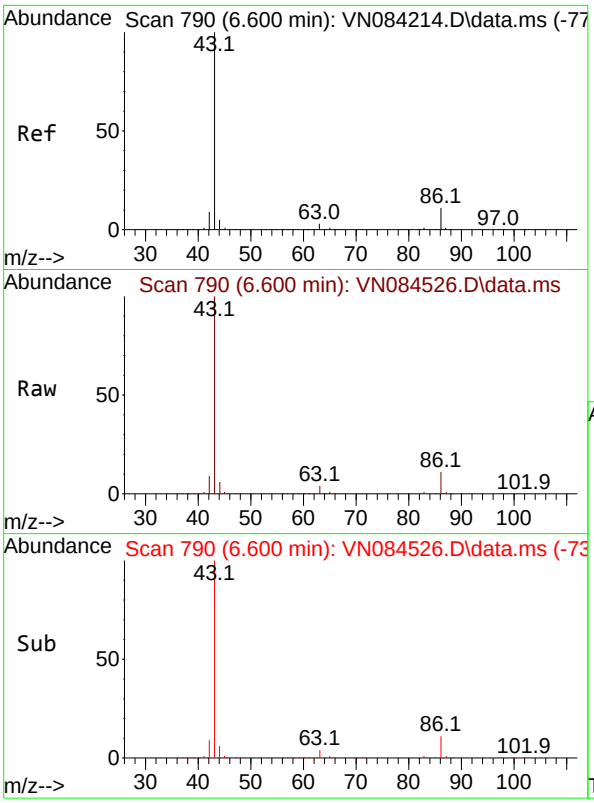


#22
Diisopropyl ether
Concen: 51.132 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 45 Resp: 344942

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.3	63.5
87	27.2	21.8	32.6
59	11.5	9.6	14.4





#23
Vinyl Acetate
Concen: 245.982 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 123078

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
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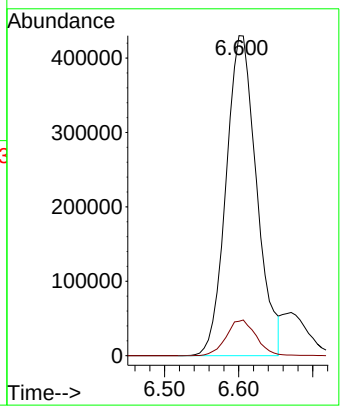
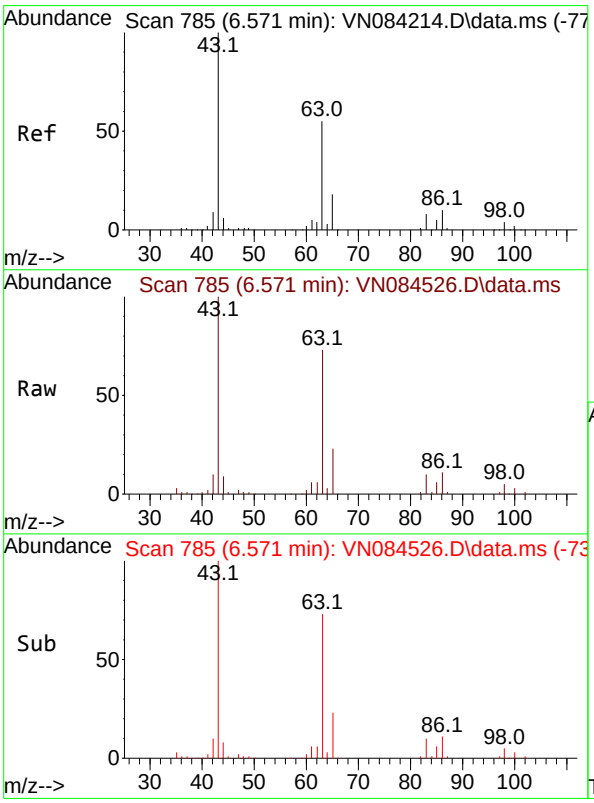
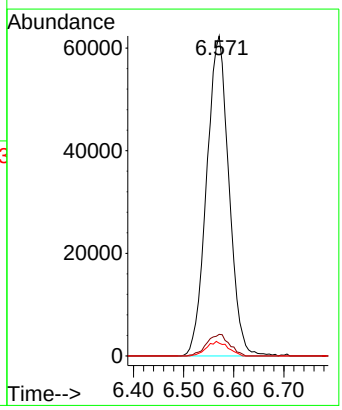


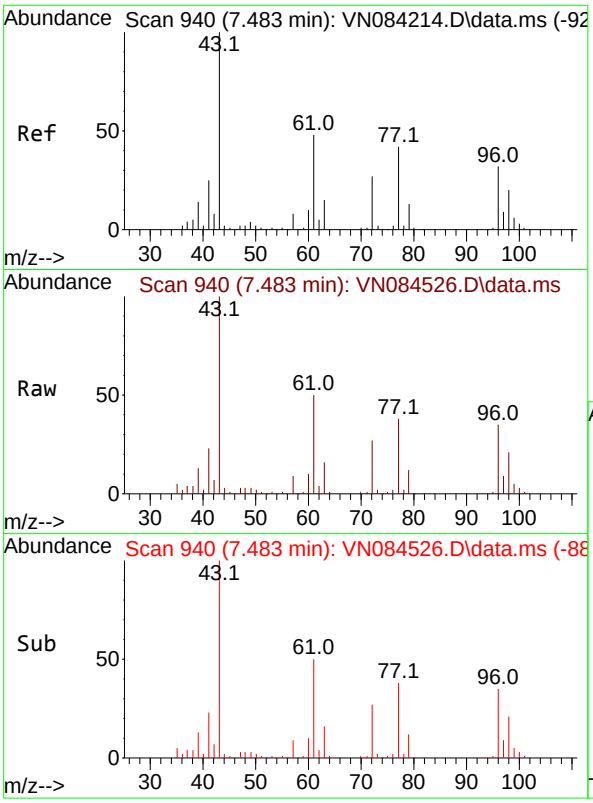


#24
1,1-Dichloroethane
Concen: 50.989 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 63 Resp: 192358

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.0	2.0	5.8





#25
2-Butanone
Concen: 231.376 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 33477

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
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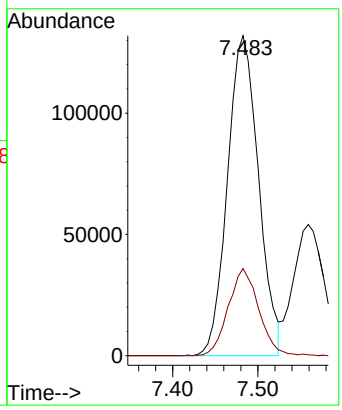
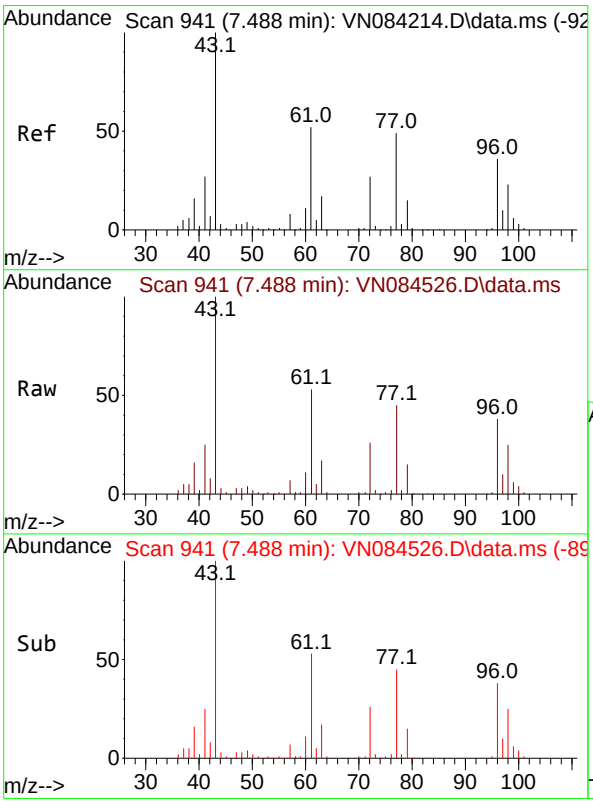
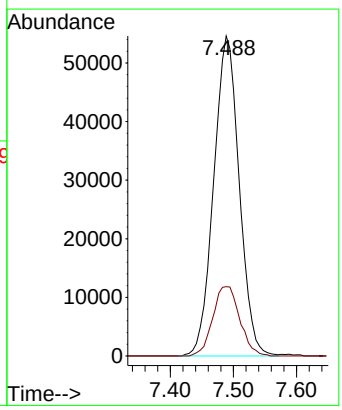


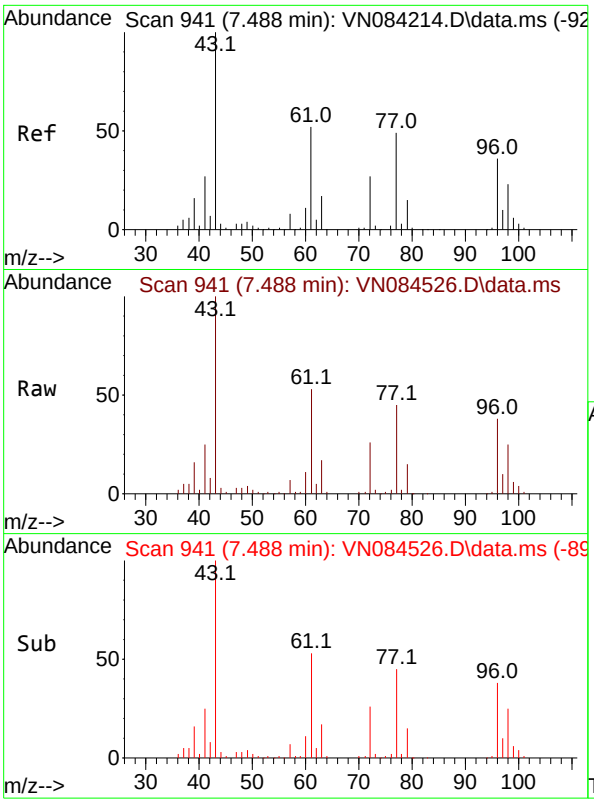


#26
2,2-Dichloropropane
Concen: 45.038 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 77 Resp: 153197

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 51.007 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 96 Resp: 12126

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	301.8
98	63.9	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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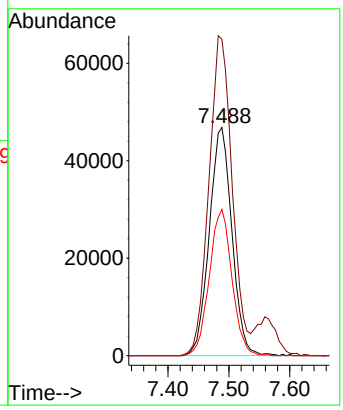
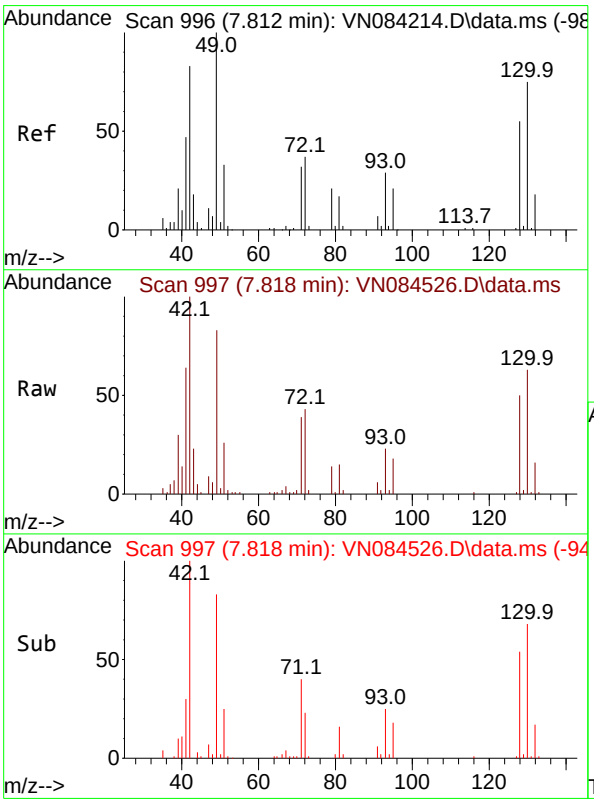
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

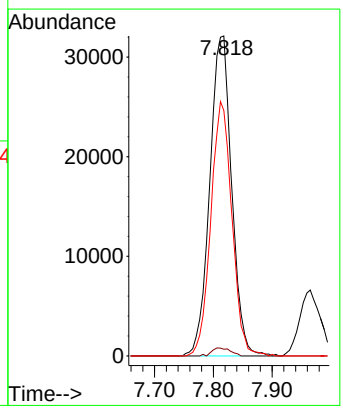


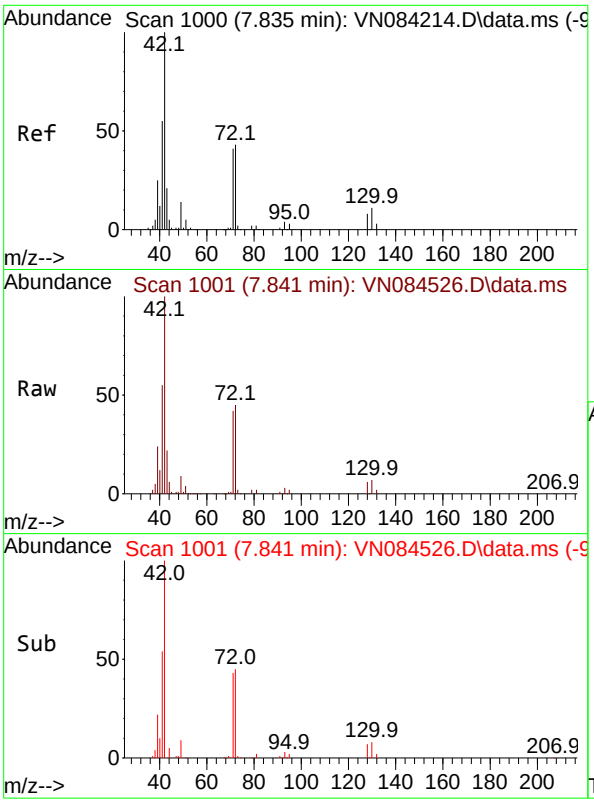


#28
Bromochloromethane
Concen: 49.424 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 49 Resp: 83192

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	76.6	58.0	87.0

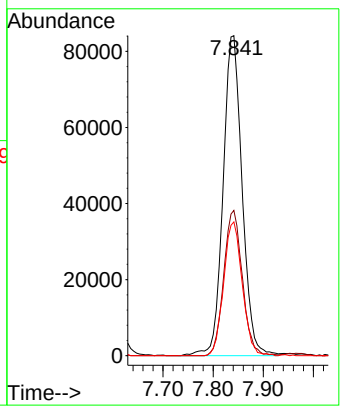




#29
Tetrahydrofuran
Concen: 248.934 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 42 Resp: 22227

Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.6	51.8
71	40.9	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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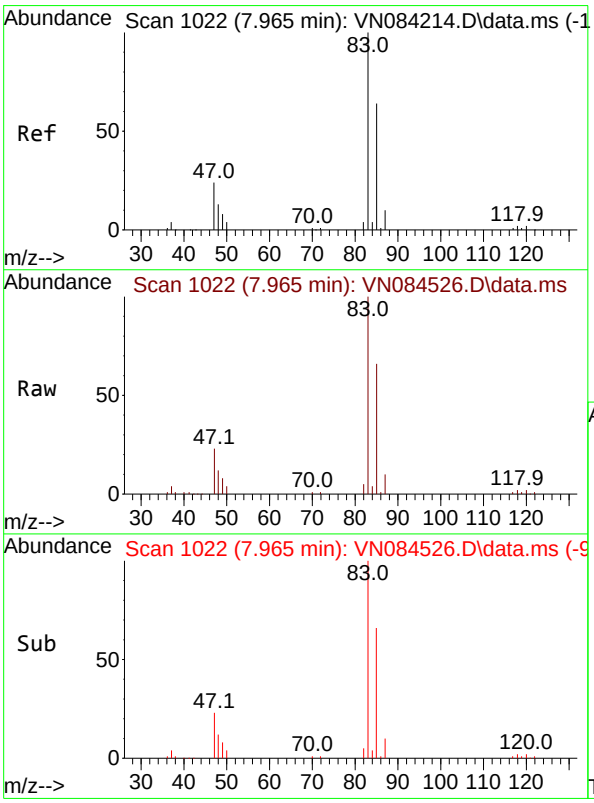
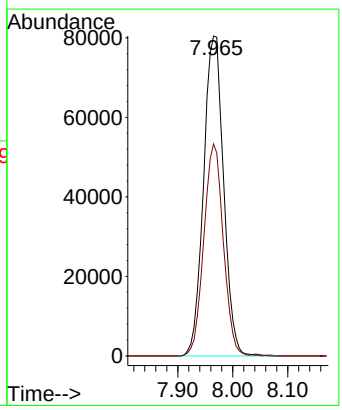
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

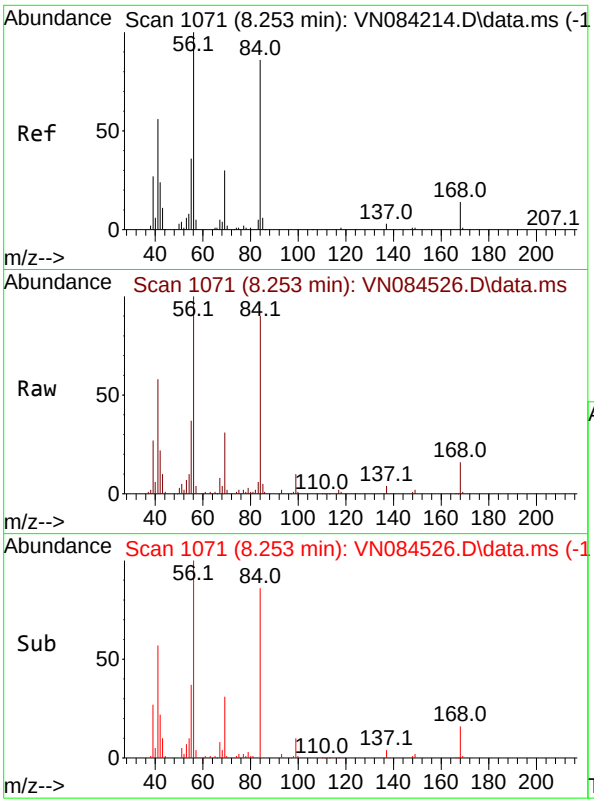


#30
Chloroform
Concen: 52.045 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 83 Resp: 203952

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.0	76.4

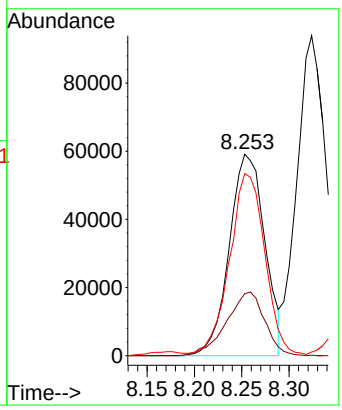




#31
Cyclohexane
Concen: 42.106 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 56 Resp: 15423

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	88.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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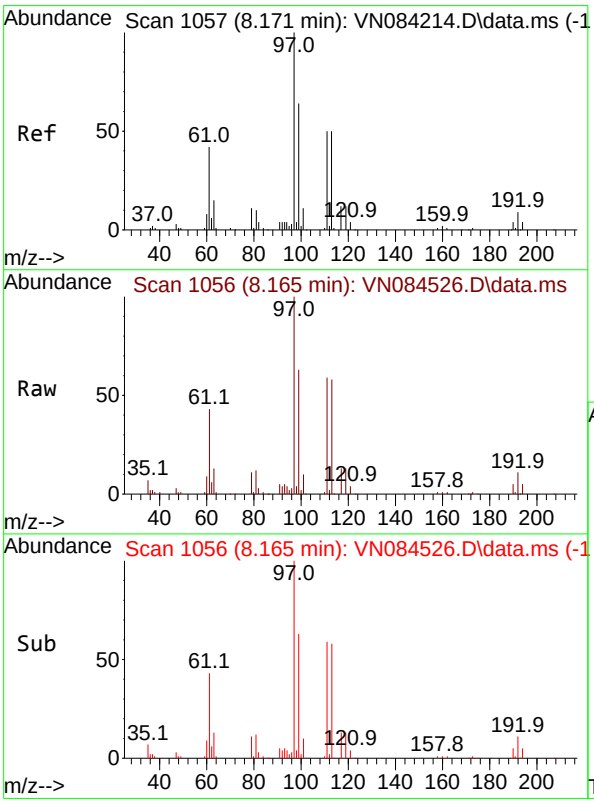
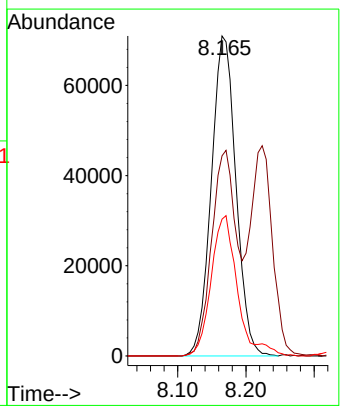
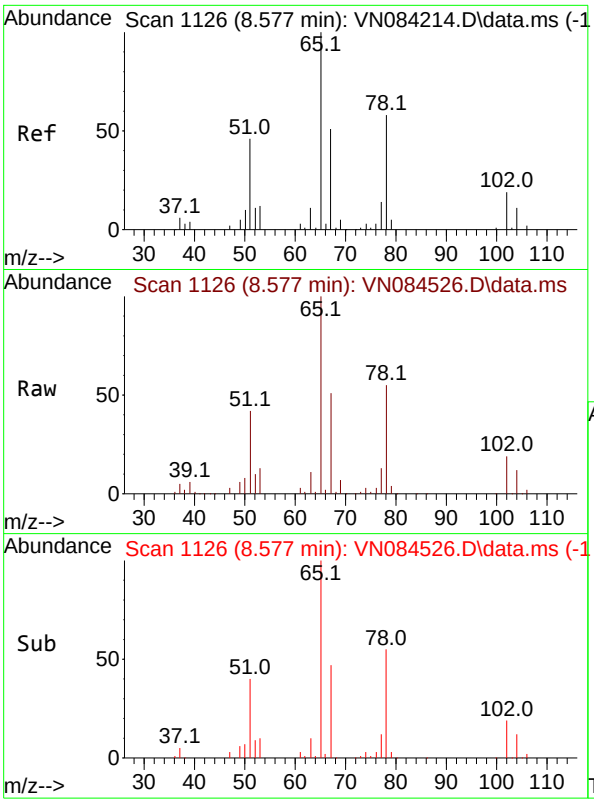


#32
1,1,1-Trichloroethane
Concen: 50.640 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 97 Resp: 178226

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	46.9	37.5	56.3

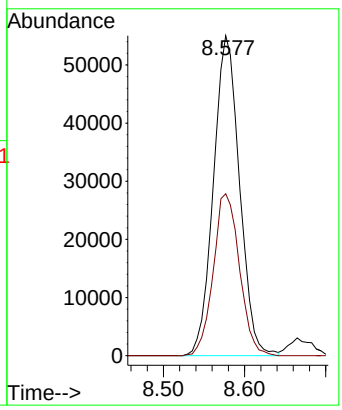




#33
1,2-Dichloroethane-d4
Concen: 49.644 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 65 Resp: 12276

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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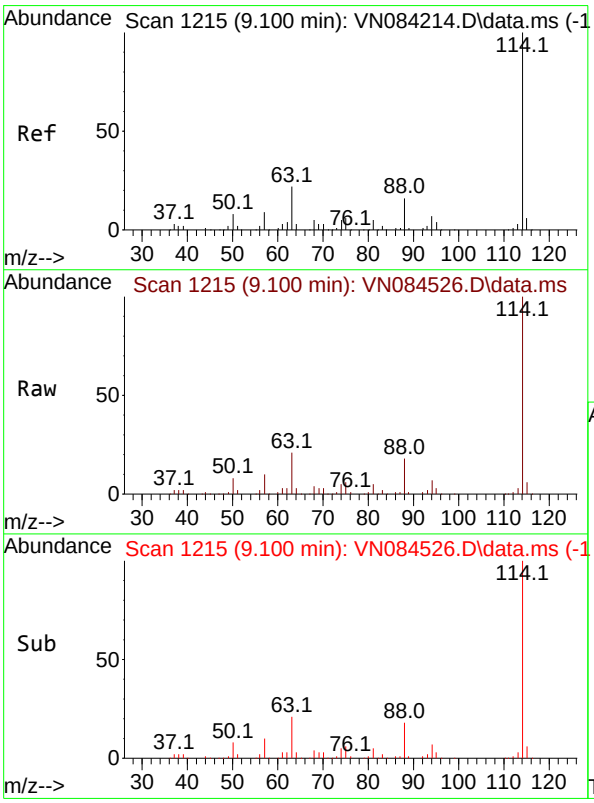
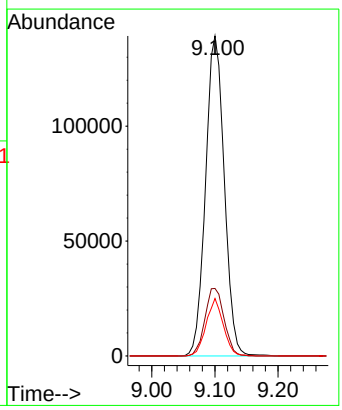
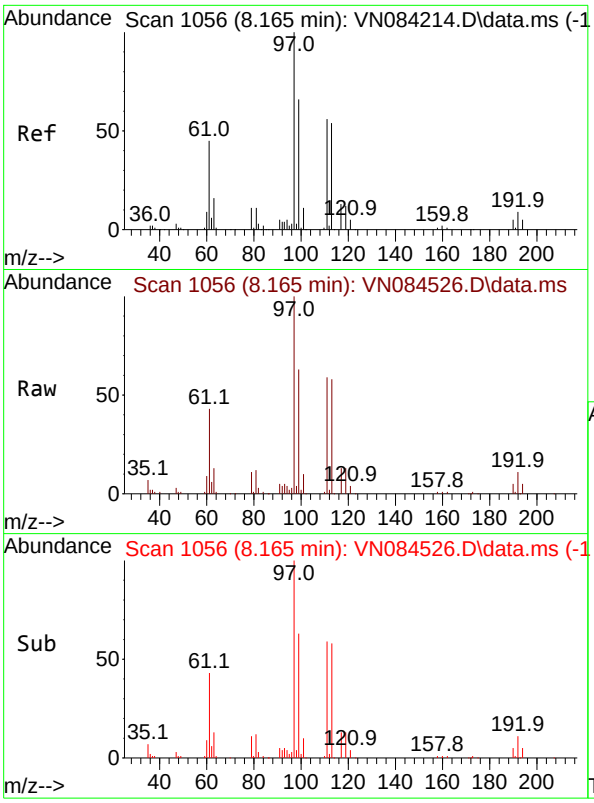


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:114 Resp: 286652

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	17.9	0.0	31.6

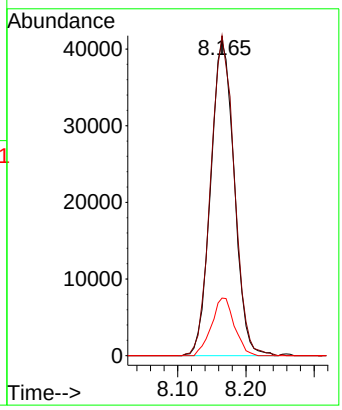




#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:113 Resp: 9867

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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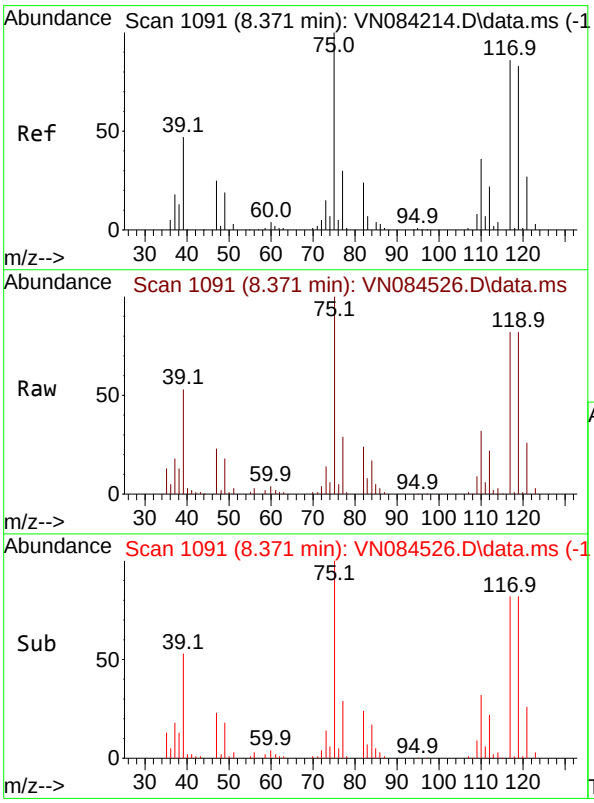
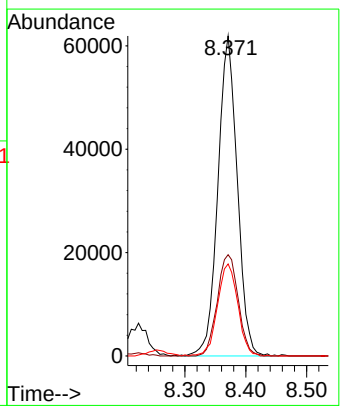
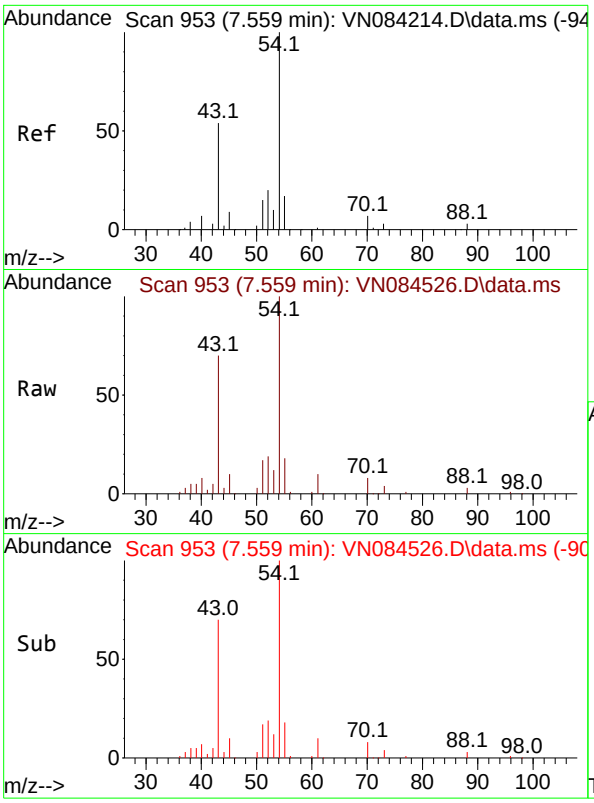


#36
1,1-Dichloropropene
Concen: 49.831 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 136786

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	30.2	24.7	37.1

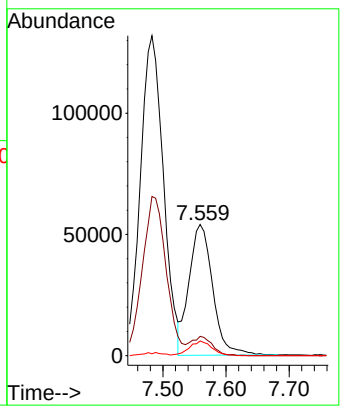




#37
Ethyl Acetate
Concen: 49.906 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 14054

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2024
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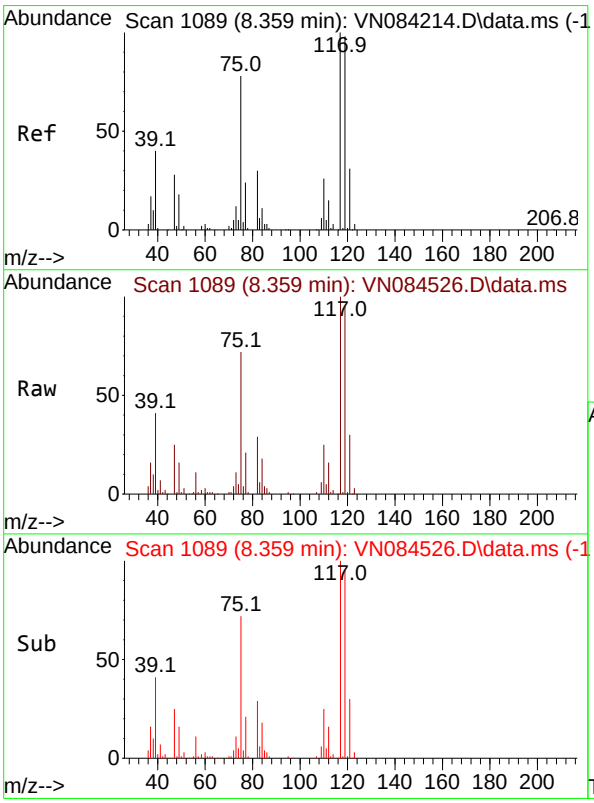
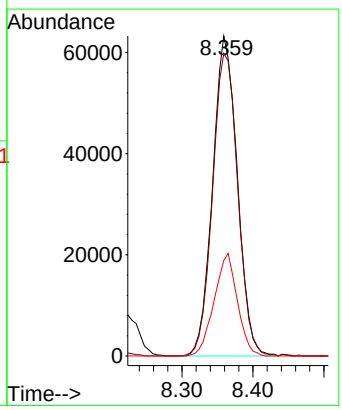
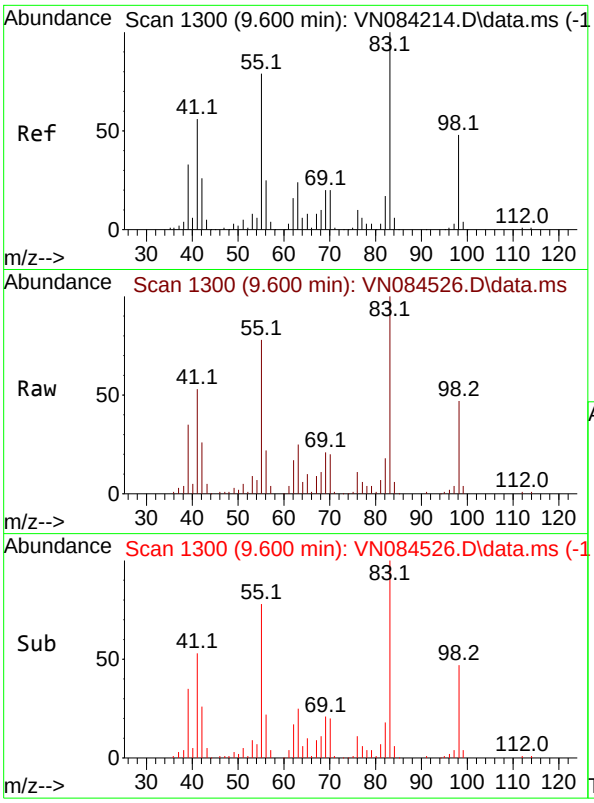


#38
Carbon Tetrachloride
Concen: 50.544 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:117 Resp: 152192

Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.7	118.1
121	29.9	24.4	36.6

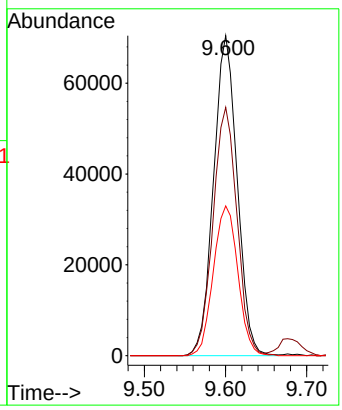




#39
Methylcyclohexane
Concen: 46.735 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 83 Resp: 14277

Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.8	94.2
98	46.8	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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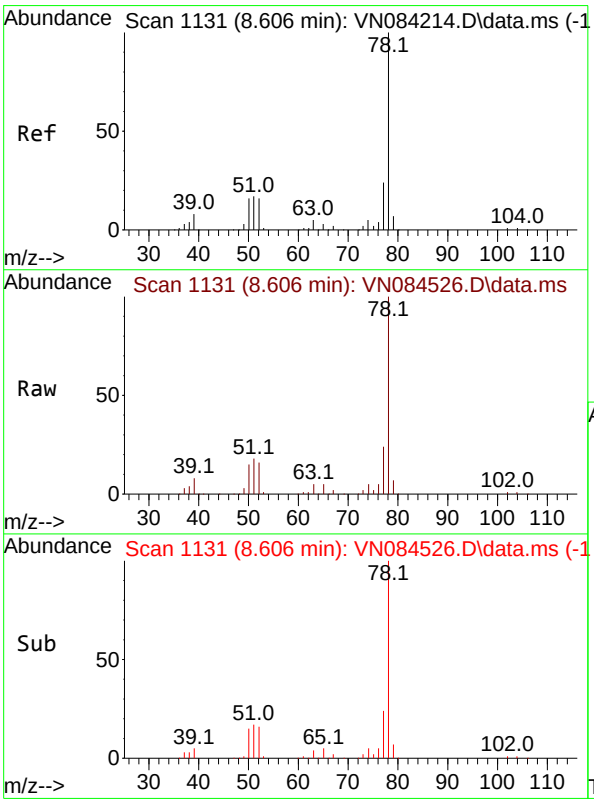
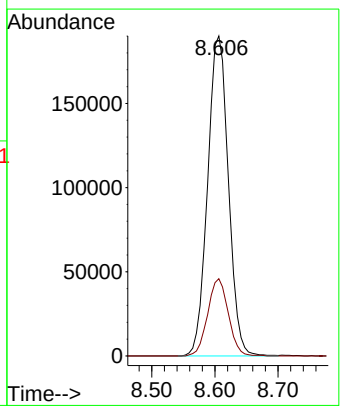
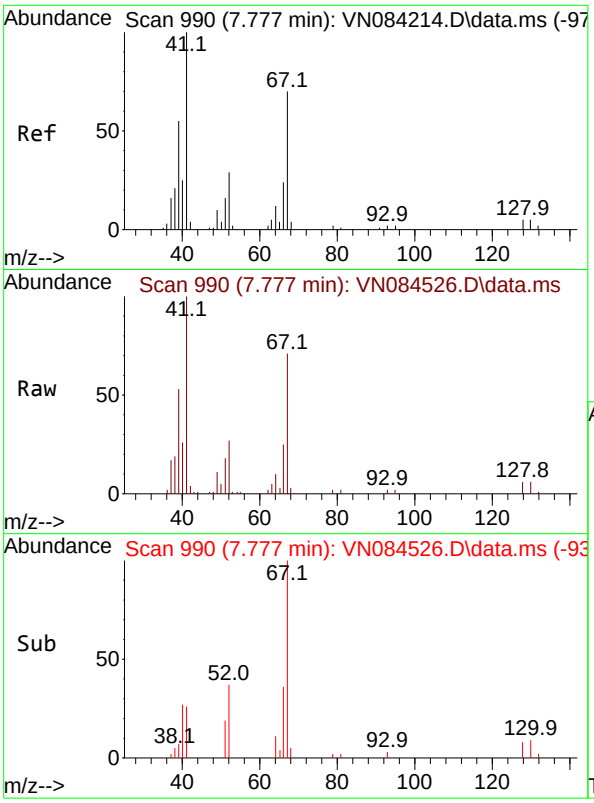


#40
Benzene
Concen: 50.775 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 78 Resp: 434246

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7

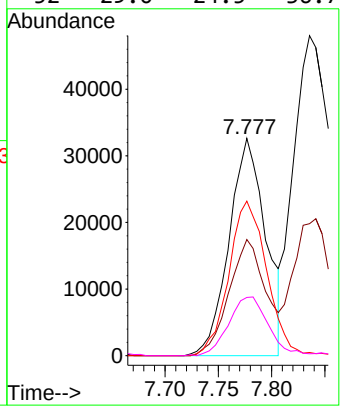




#41
Methacrylonitrile
Concen: 51.145 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 41 Resp: 7819

Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.3	64.9
67	74.0	56.1	84.1
52	29.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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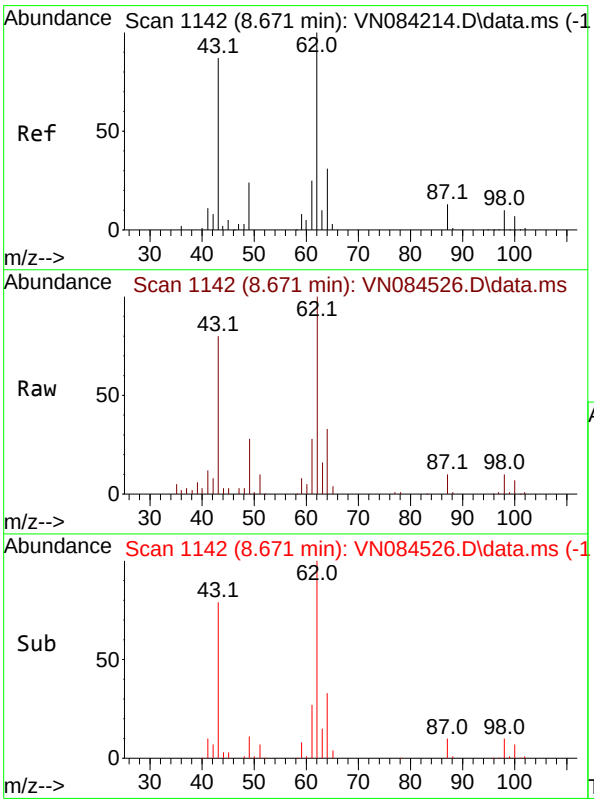
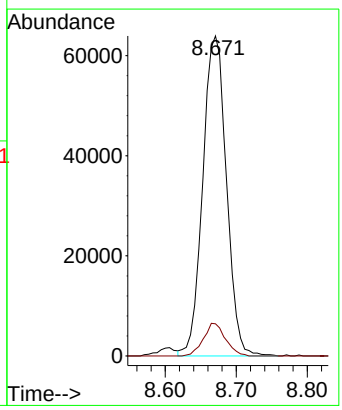
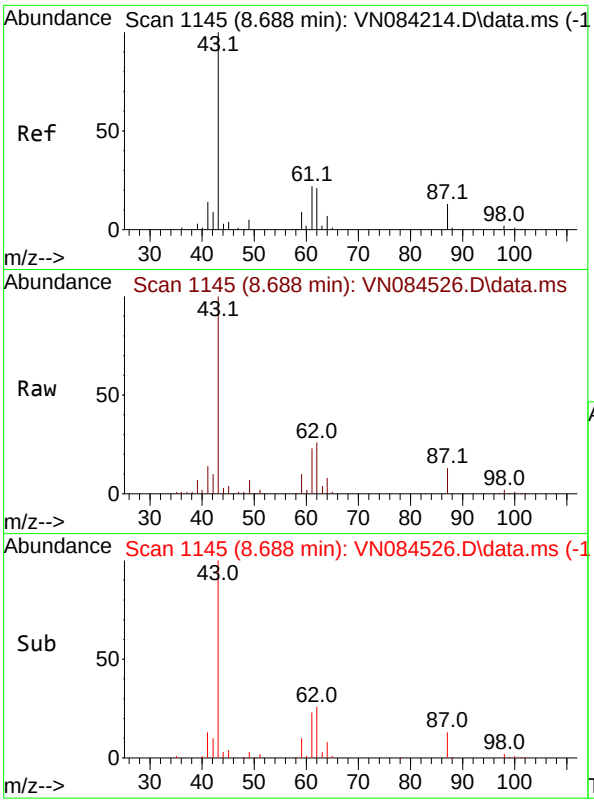


#42
1,2-Dichloroethane
Concen: 51.069 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 62 Resp: 148069

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 42.271 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 23316

Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.4	30.6
87	13.5	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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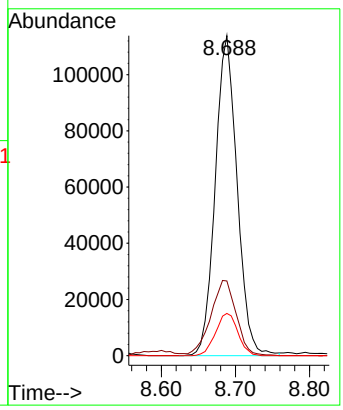
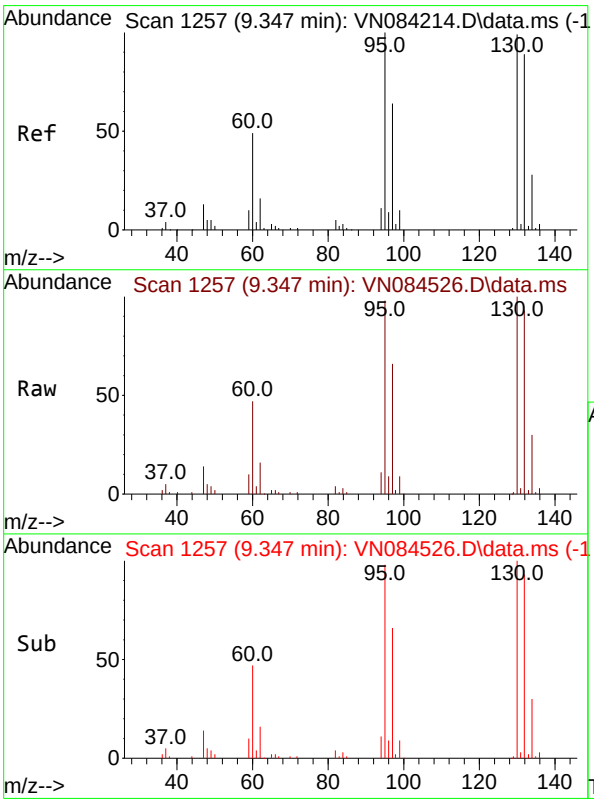
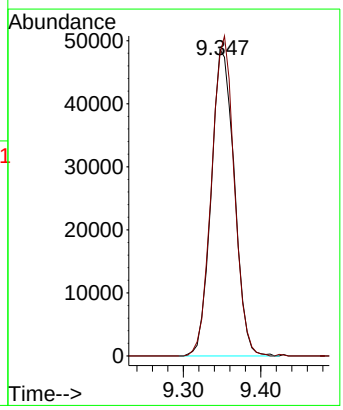


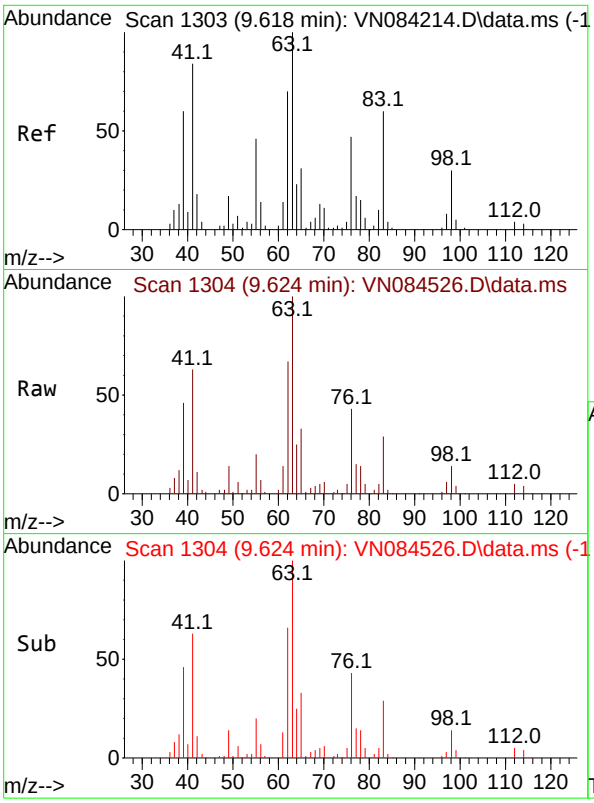


#44
Trichloroethene
Concen: 50.453 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:130 Resp: 100781

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	203.0

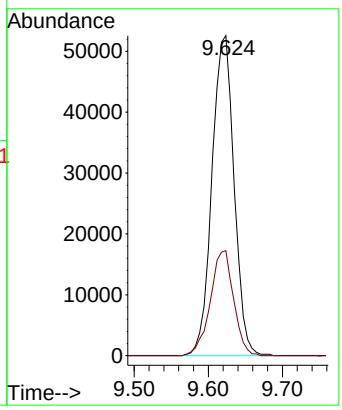




#45
1,2-Dichloropropane
Concen: 53.889 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 63 Resp: 10902

Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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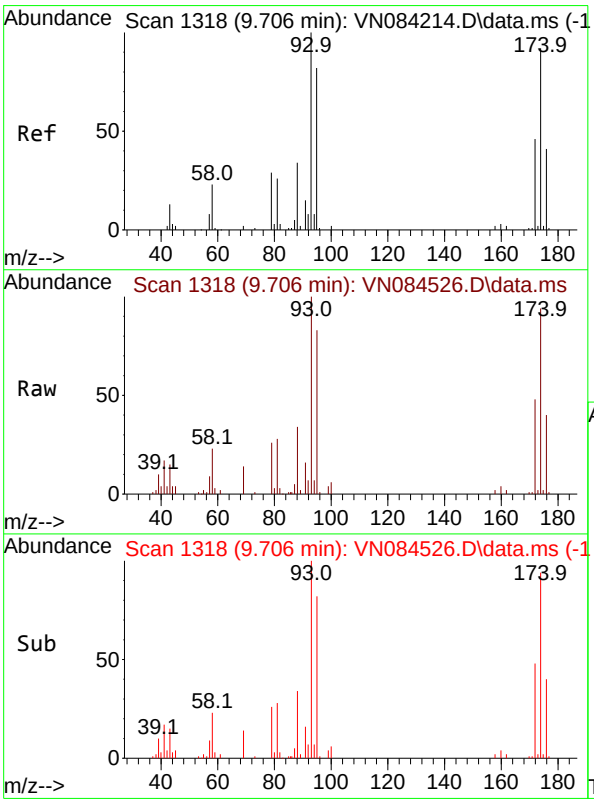
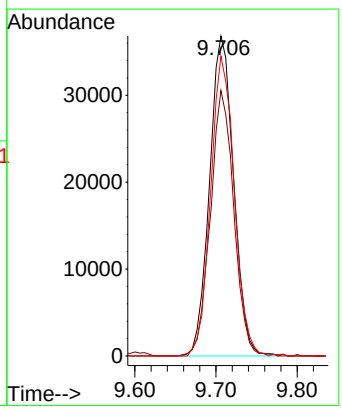
Supervised By :Mahesh Dadoda 10/28/2024

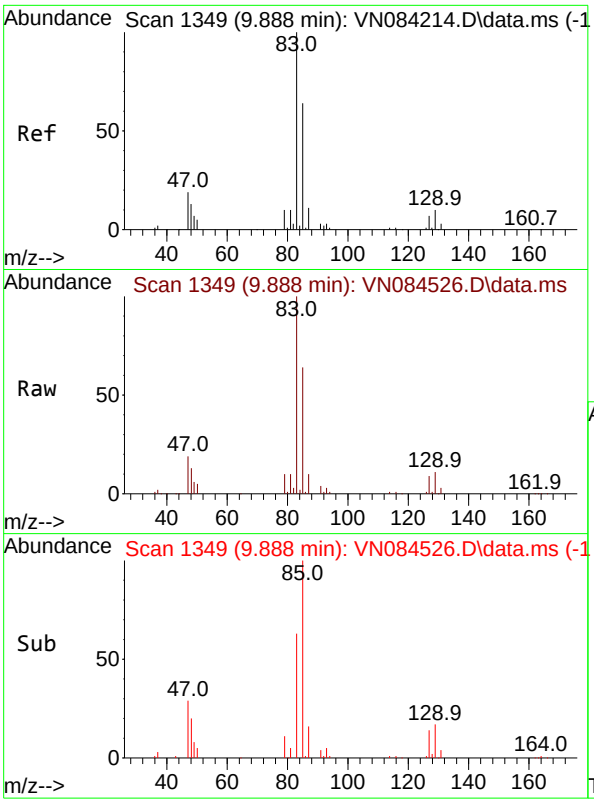


#46
Dibromomethane
Concen: 55.510 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 93 Resp: 75789

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.0	97.4
174	92.3	71.8	107.8

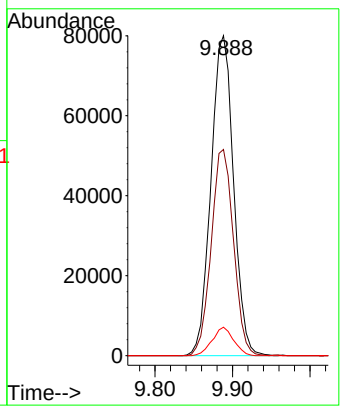




#47
Bromodichloromethane
Concen: 53.371 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 83 Resp: 16189

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3
127	8.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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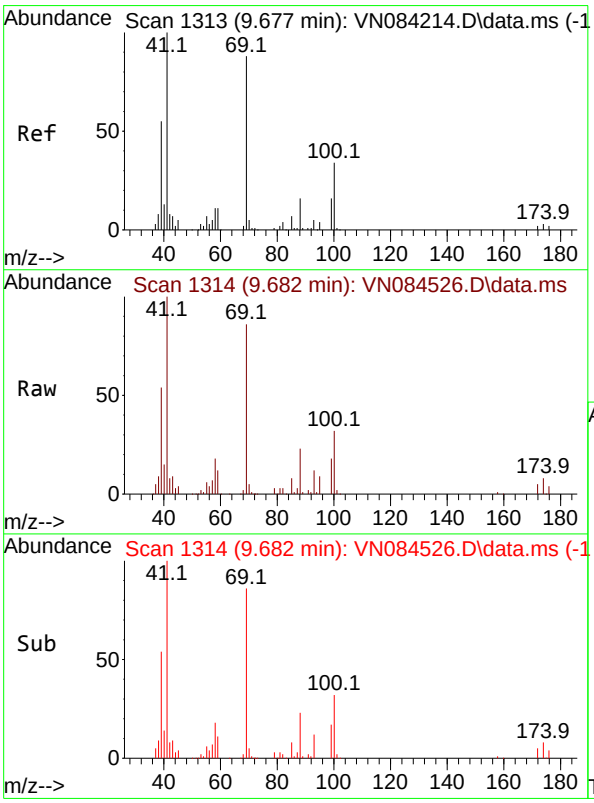
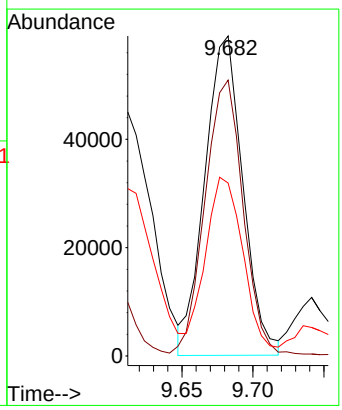
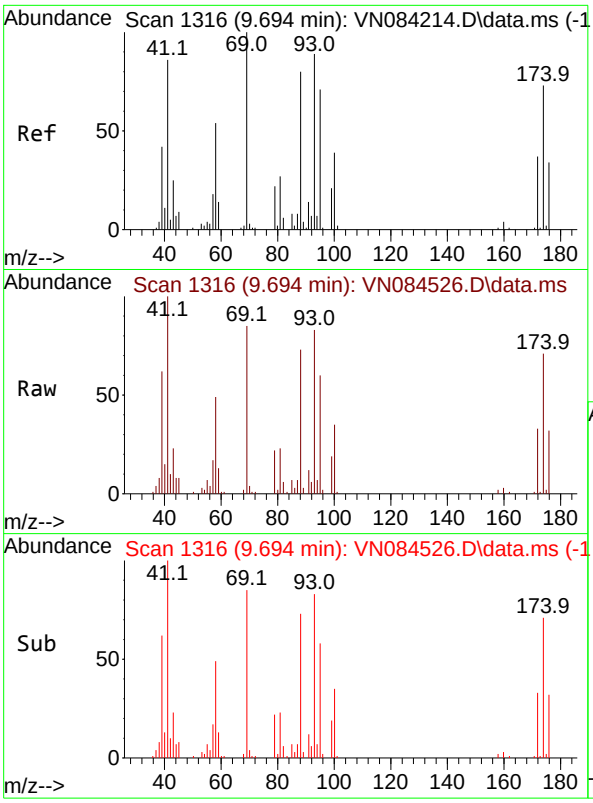


#48
Methyl methacrylate
Concen: 50.076 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 41 Resp: 109954

Ion	Ratio	Lower	Upper
41	100		
69	87.5	67.1	100.7
39	56.0	45.8	68.6

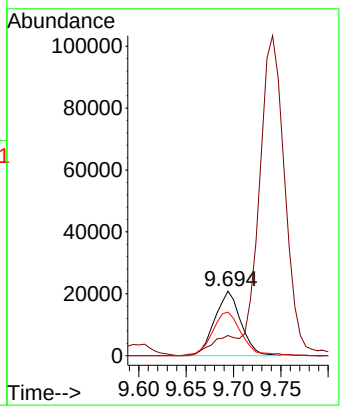




#49
1,4-Dioxane
Concen: 986.815 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 88 Resp: 3989

Ion	Ratio	Lower	Upper
88	100		
43	33.6	25.3	37.9
58	75.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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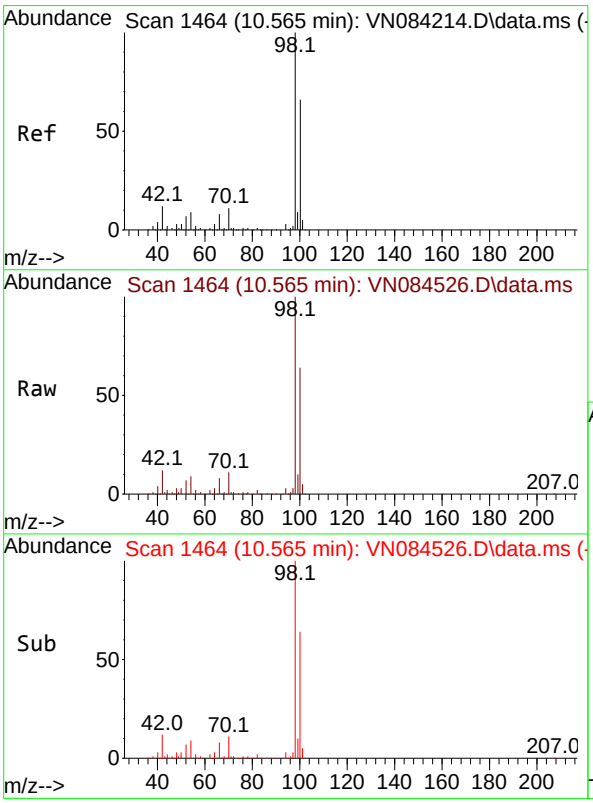
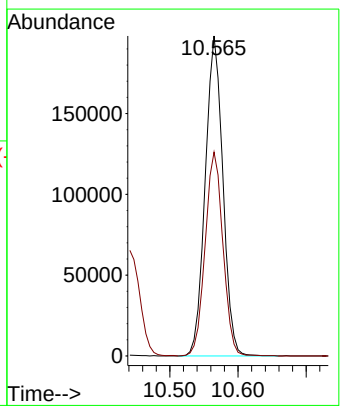
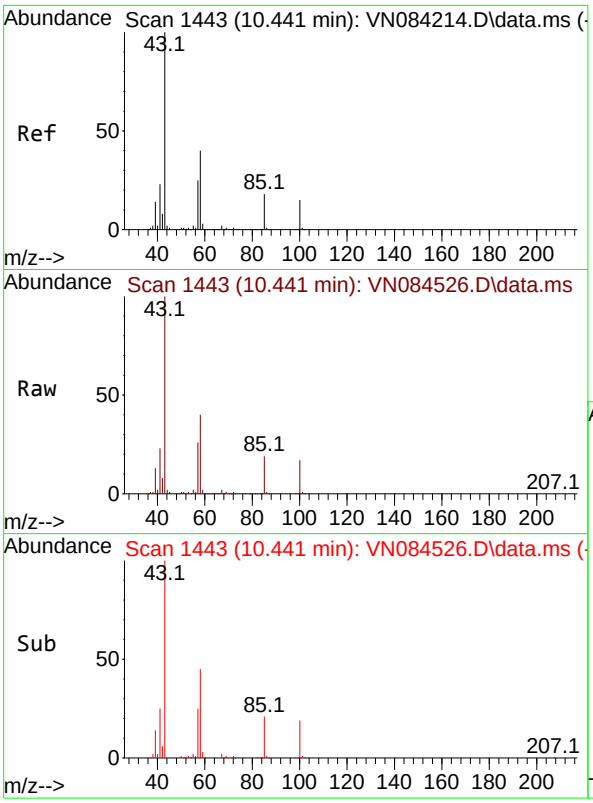


#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 98 Resp: 356900

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1

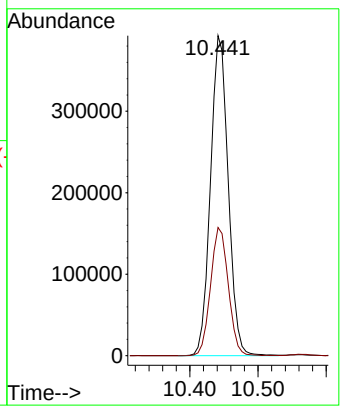




#51
4-Methyl-2-Pentanone
Concen: 264.775 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 70981

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4



Instrument :
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ClientSampleId :
VSTDCCC050EC

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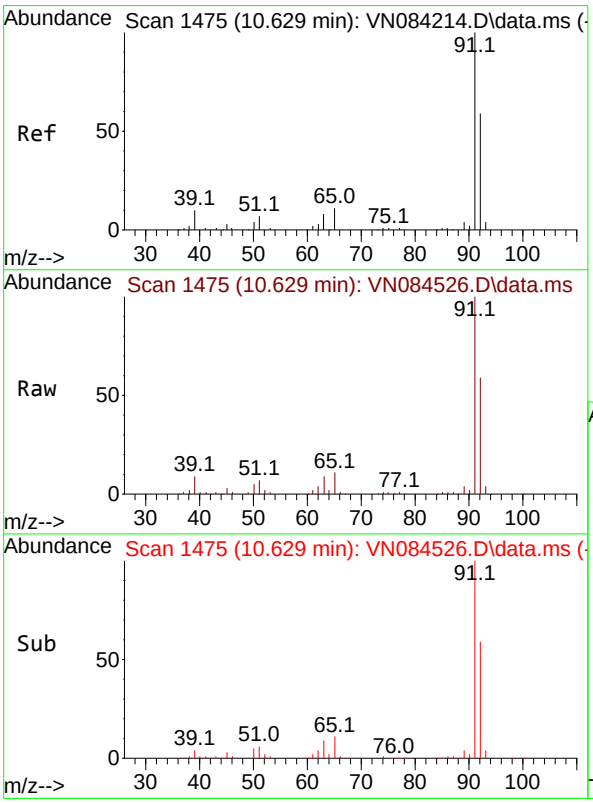
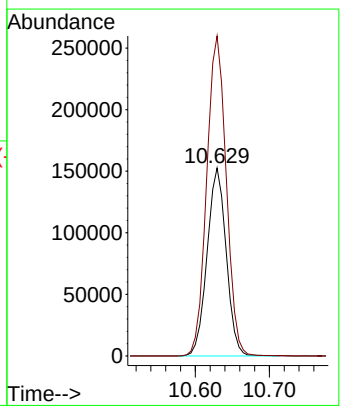
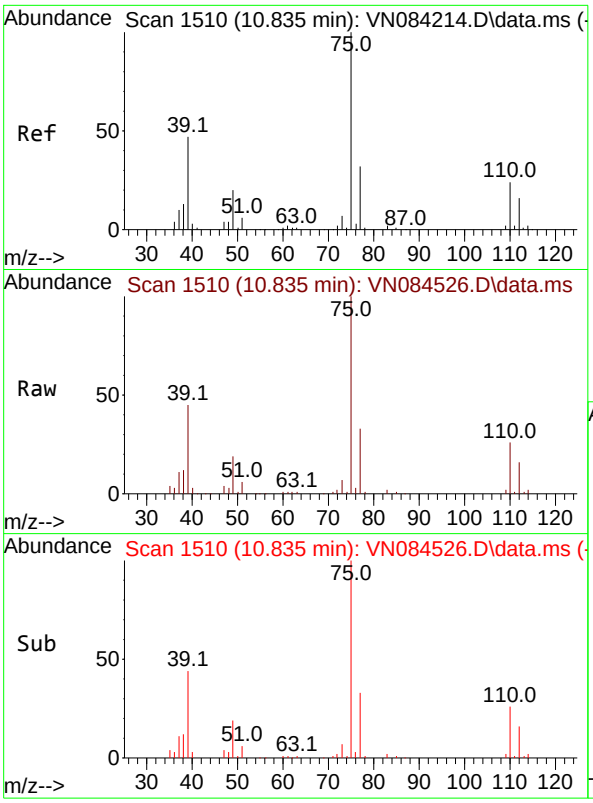


#52
Toluene
Concen: 52.357 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 92 Resp: 273057

Ion	Ratio	Lower	Upper
92	100		
91	174.5	137.3	205.9

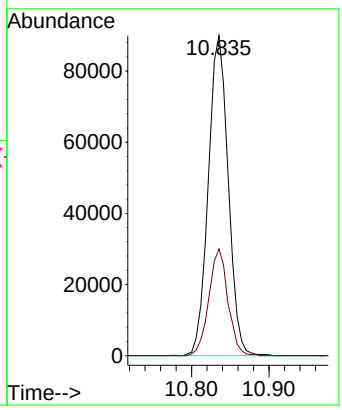




#53
t-1,3-Dichloropropene
Concen: 52.078 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 16102

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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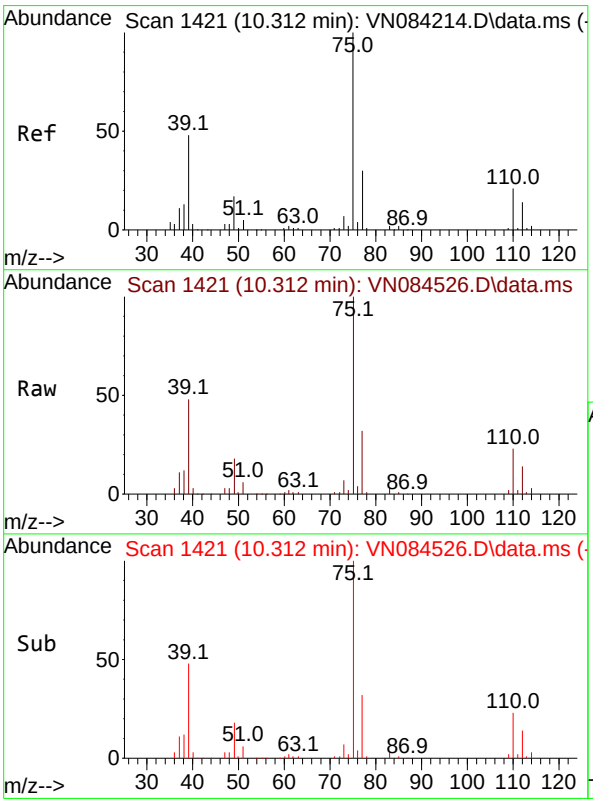
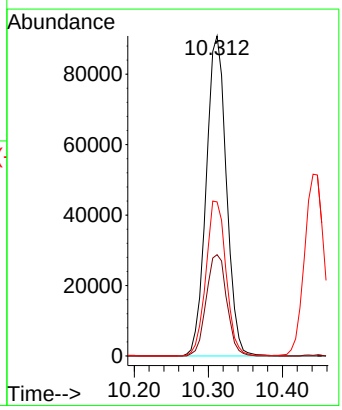
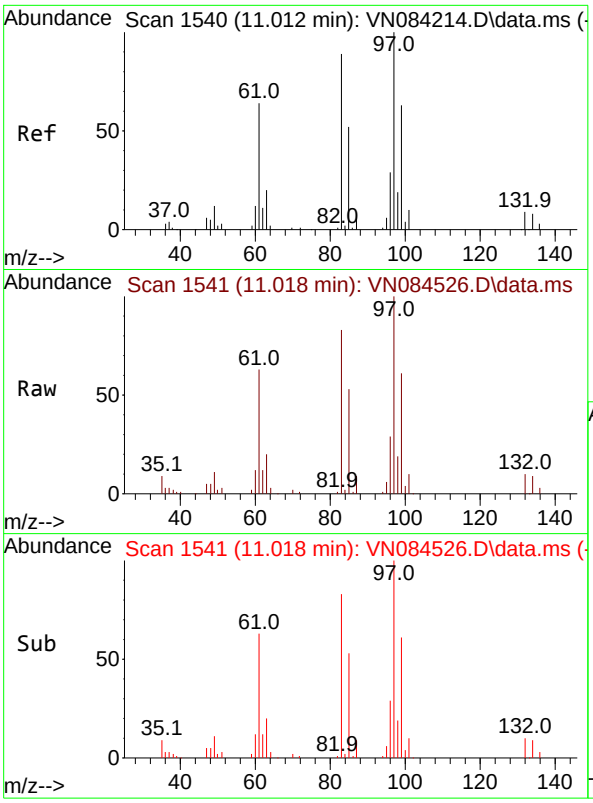


#54
cis-1,3-Dichloropropene
Concen: 51.711 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 171984

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.2	36.2
39	48.1	38.7	58.1

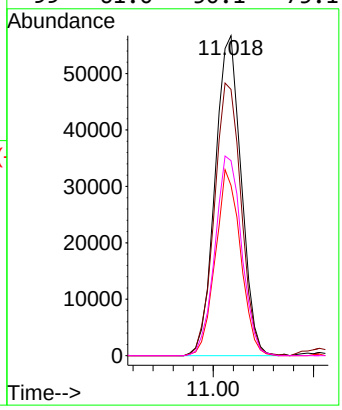




#55
1,1,2-Trichloroethane
Concen: 54.831 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 97 Resp: 10251

Ion	Ratio	Lower	Upper
97	100		
83	83.2	71.0	106.4
85	53.2	41.7	62.5
99	61.0	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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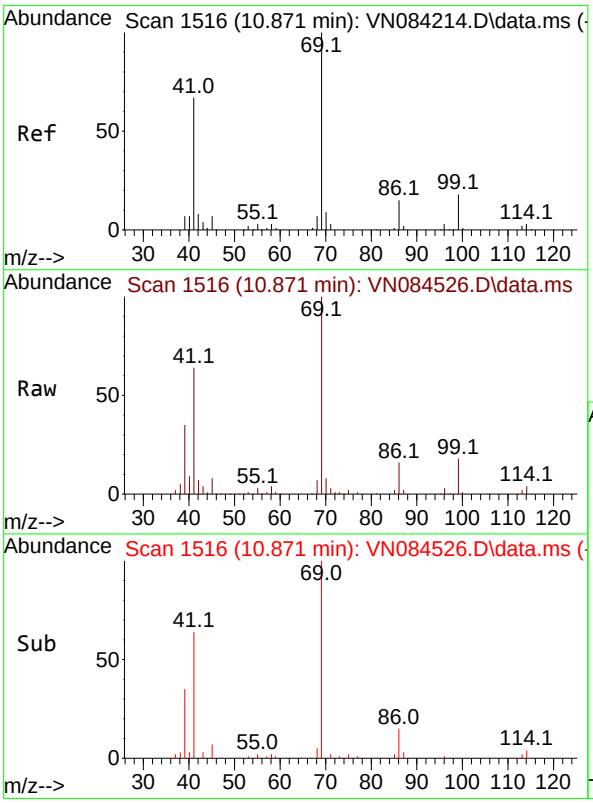
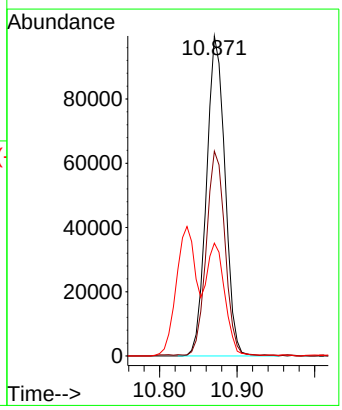
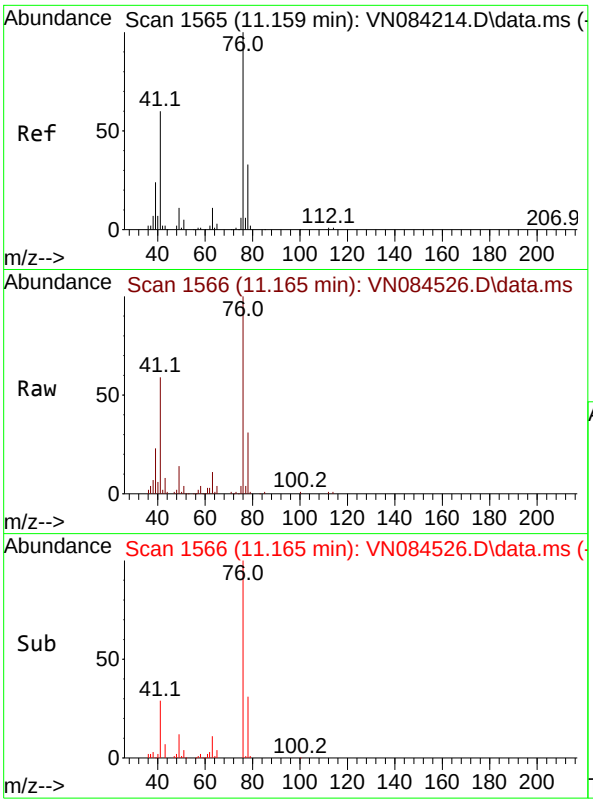


#56
Ethyl methacrylate
Concen: 53.712 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 69 Resp: 165239

Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	34.8	28.8	43.2

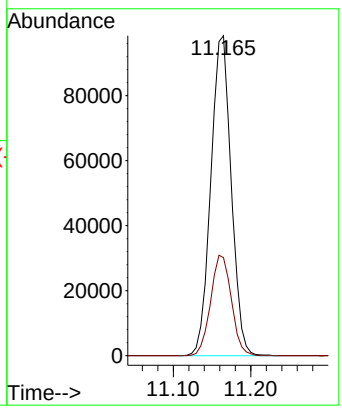




#57
1,3-Dichloropropane
Concen: 53.769 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 76 Resp: 17963

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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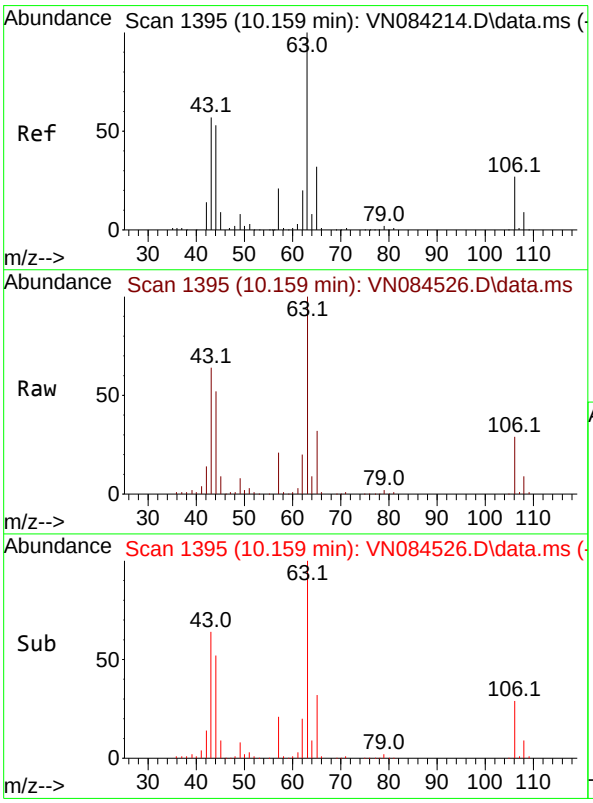
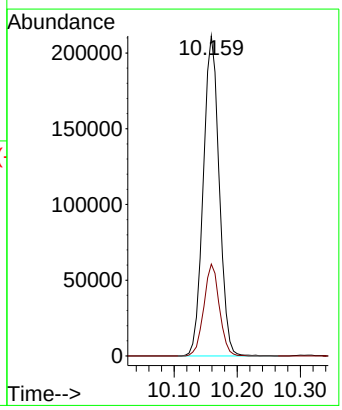
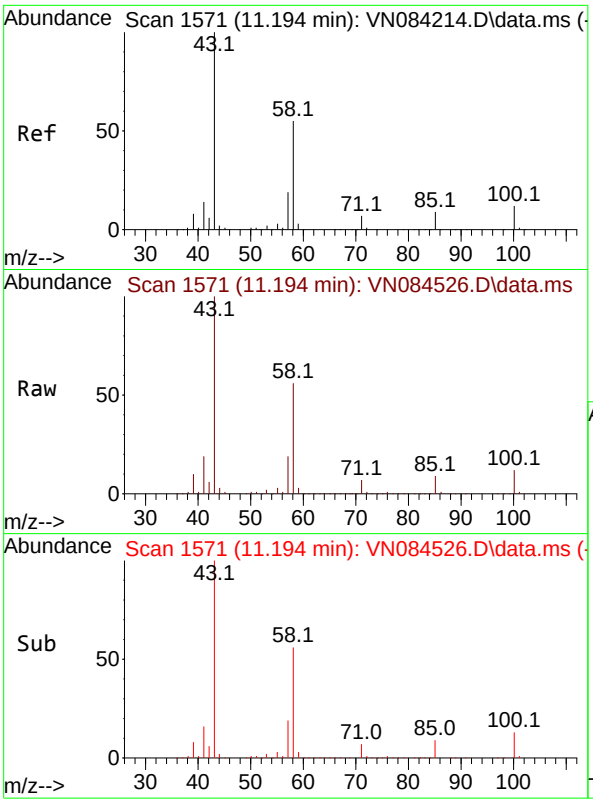


#58
2-Chloroethyl Vinyl ether
Concen: 259.663 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 63 Resp: 370569

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6





#59
2-Hexanone
Concen: 260.266 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 52149

Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
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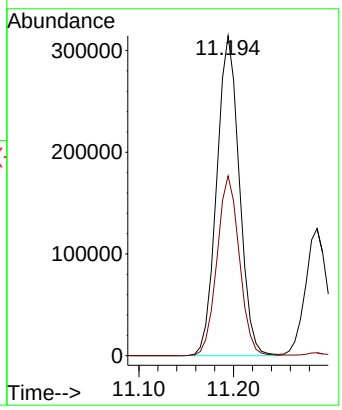
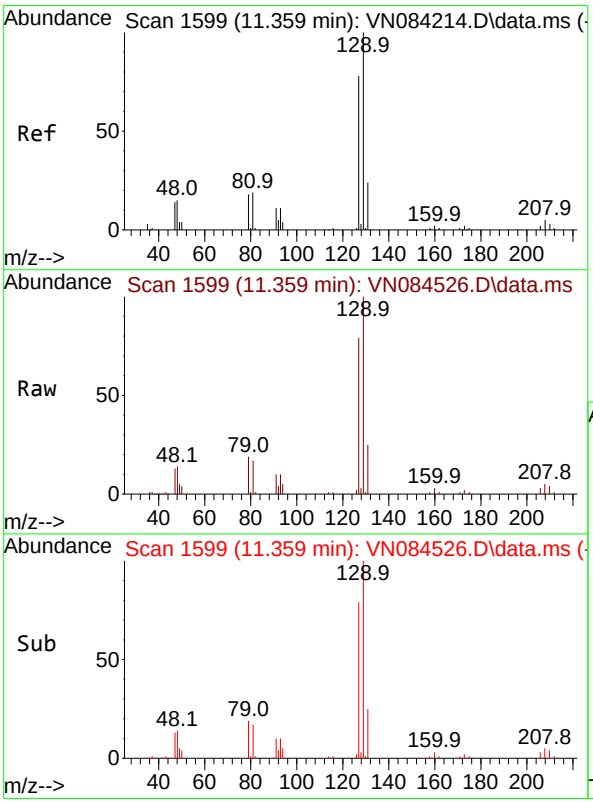
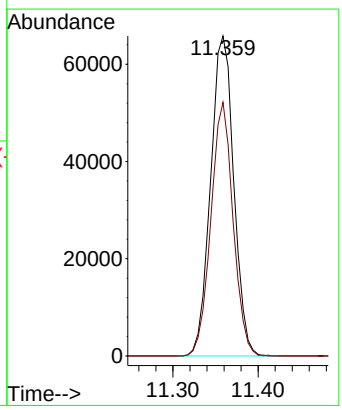


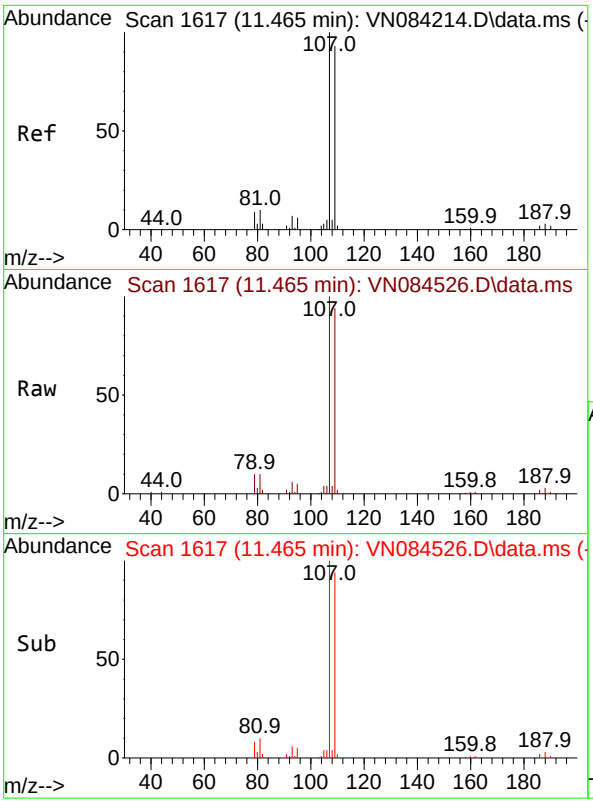


#60
Dibromochloromethane
Concen: 56.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:129 Resp: 124112

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9

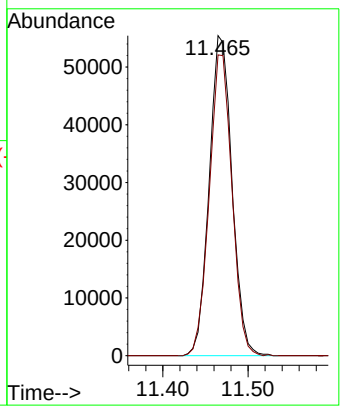




#61
1,2-Dibromoethane
Concen: 53.087 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:107 Resp: 10313

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
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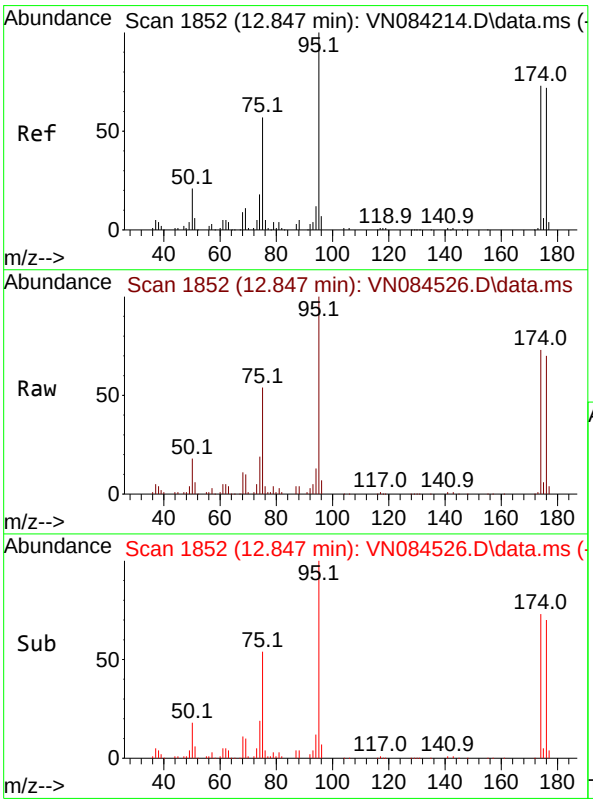
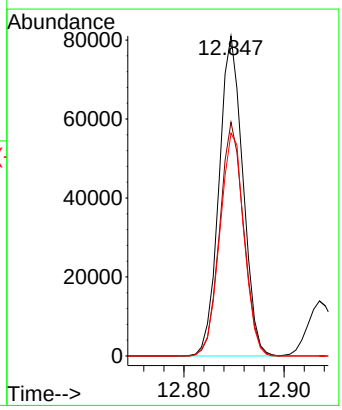
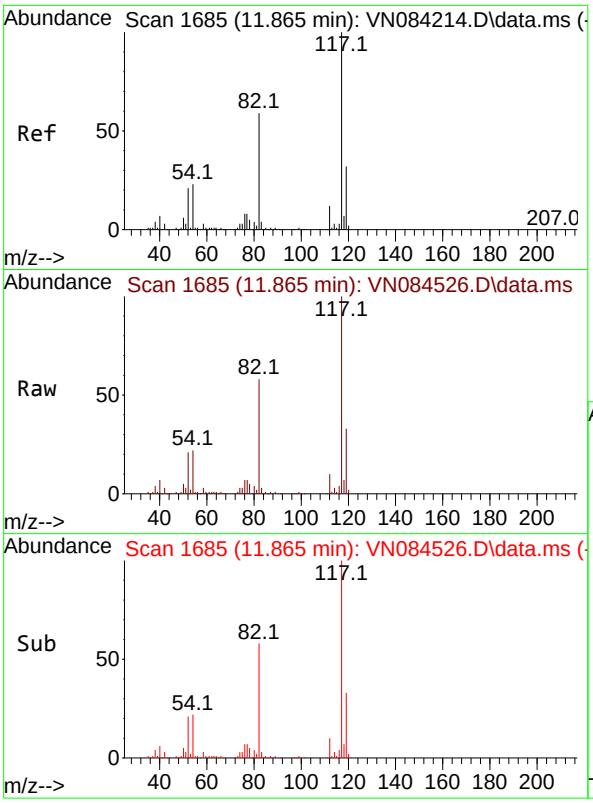


#62
4-Bromofluorobenzene
Concen: 52.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 95 Resp: 133768

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.2
176	70.5	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:117 Resp: 26028

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.6	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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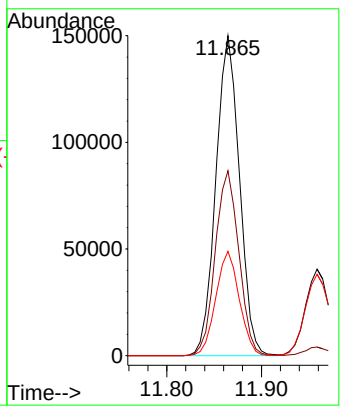
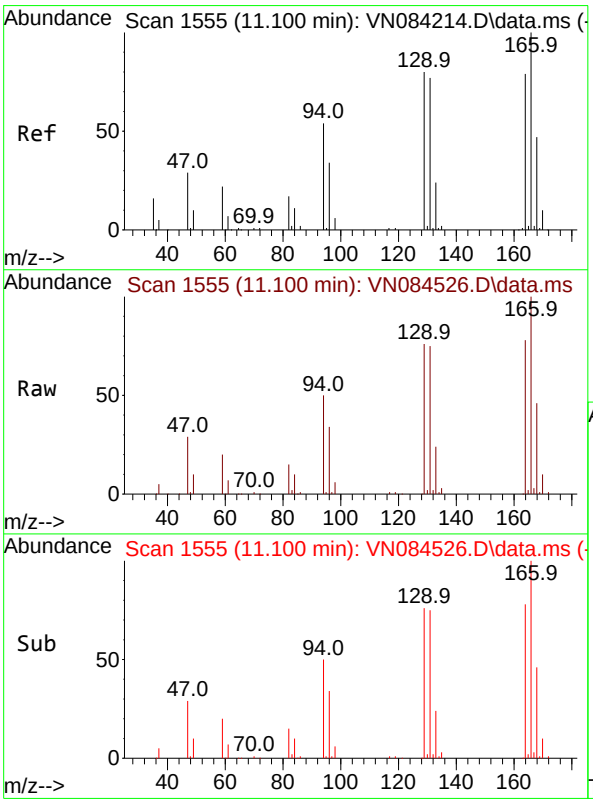
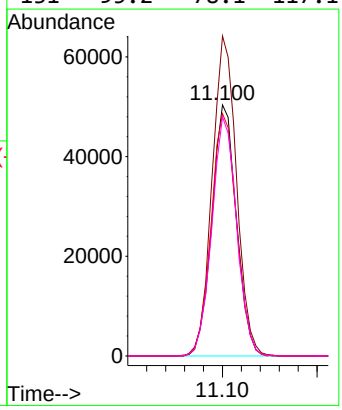


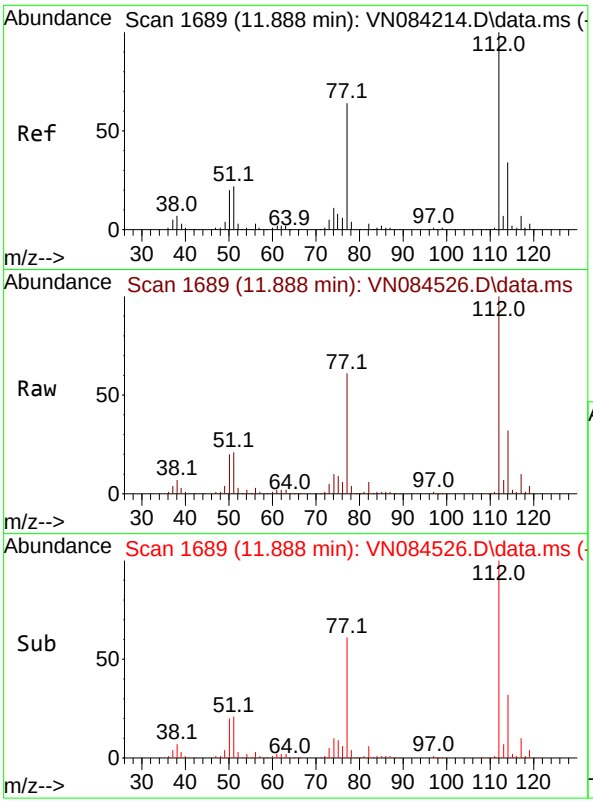


#64
Tetrachloroethene
Concen: 50.022 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:164 Resp: 90687

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	96.5	80.8	121.2
131	95.2	78.1	117.1

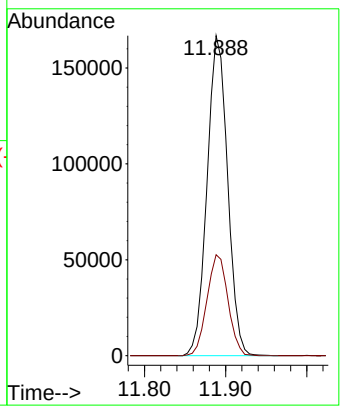




#65
Chlorobenzene
Concen: 50.731 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:112 Resp: 29277

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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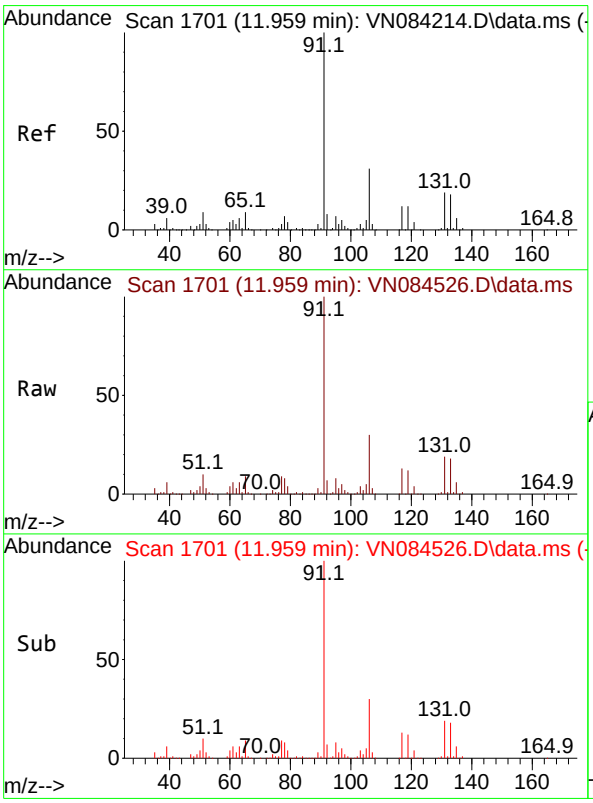
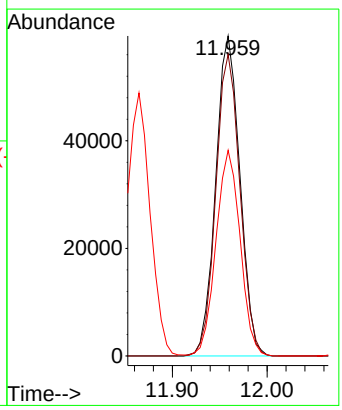
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

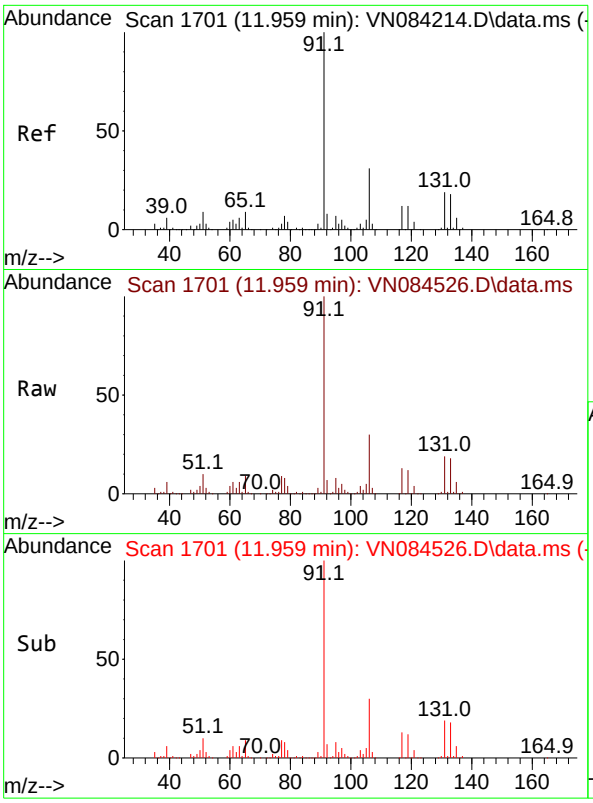


#66
1,1,1,2-Tetrachloroethane
Concen: 53.144 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:131 Resp: 105641

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.9	143.7
119	64.3	32.8	98.3





#67
Ethyl Benzene
Concen: 52.136 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 91 Resp: 53211

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

Instrument :
MSVOA_N
ClientSampleId :
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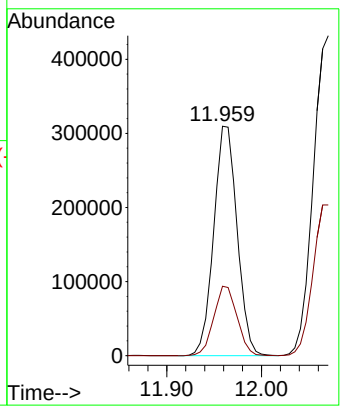
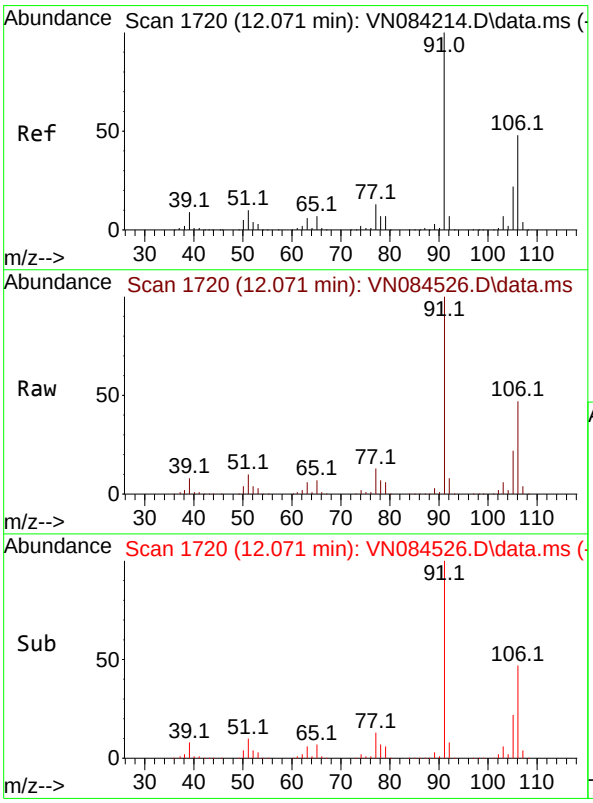
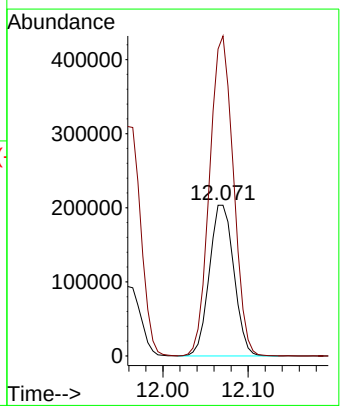


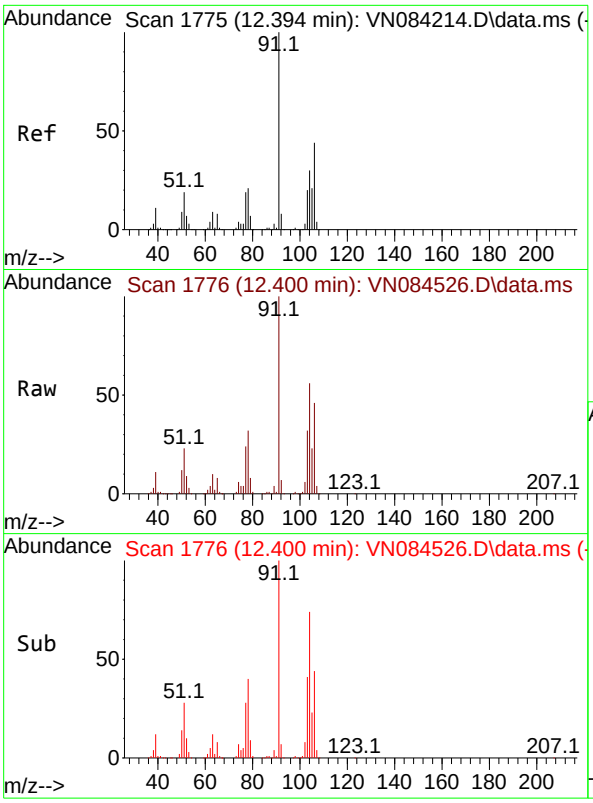


#68
m/p-Xylenes
Concen: 108.094 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:106 Resp: 408093

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7

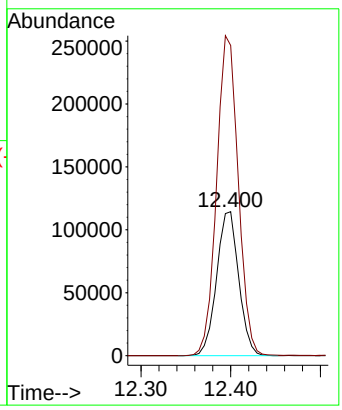




#69
o-Xylene
Concen: 54.776 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:106 Resp: 19565

Ion	Ratio	Lower	Upper
106	100		
91	217.5	110.2	330.6



Instrument :
MSVOA_N
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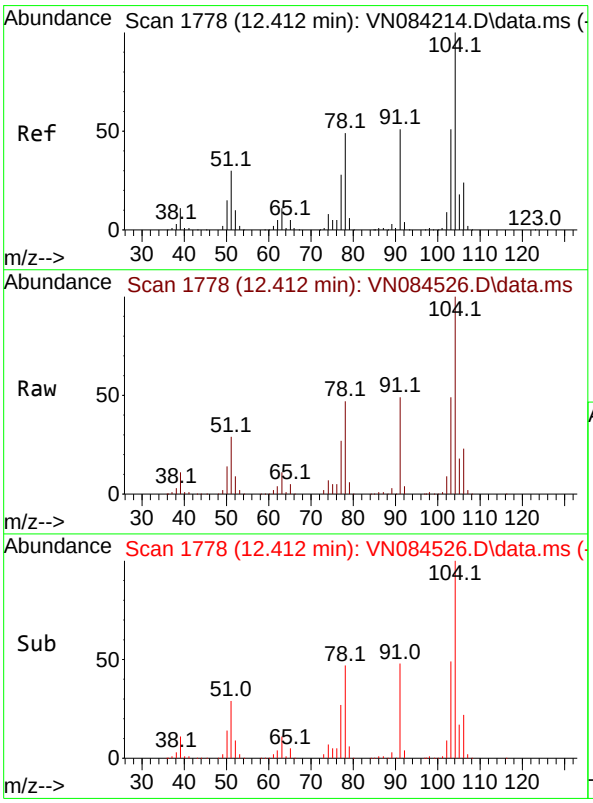
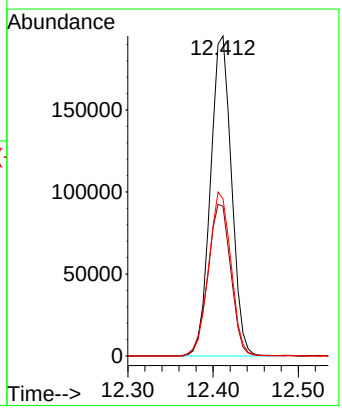
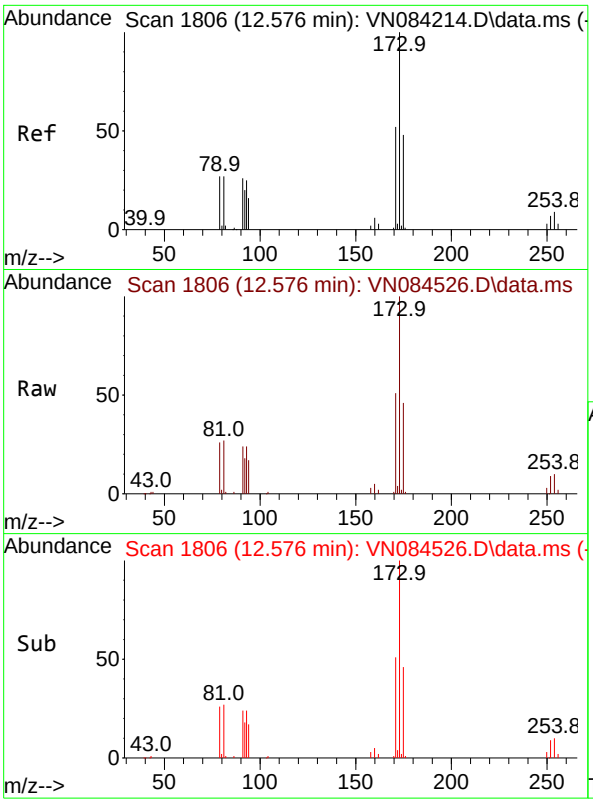


#70
Styrene
Concen: 55.354 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:104 Resp: 334901

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.5	43.6	65.4

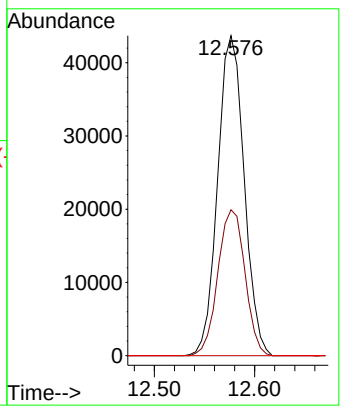




#71
Bromoform
Concen: 54.763 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:173 Resp: 8014

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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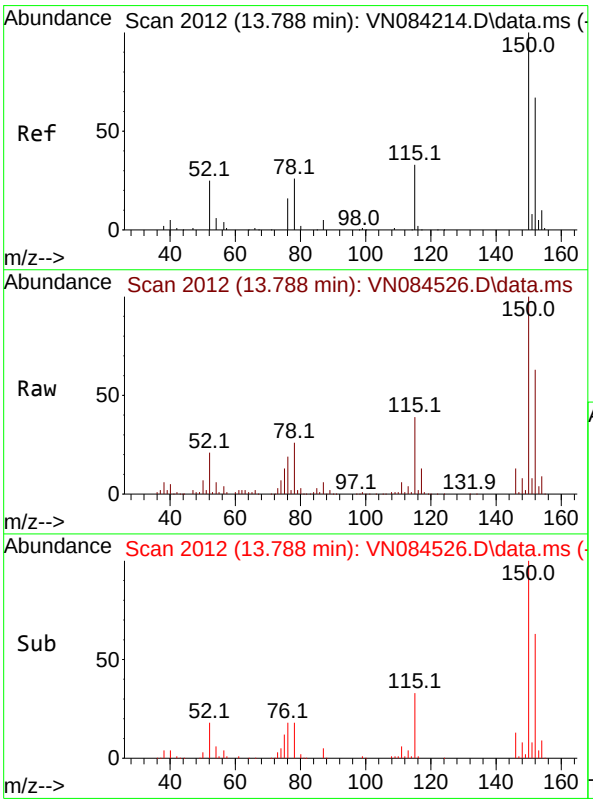
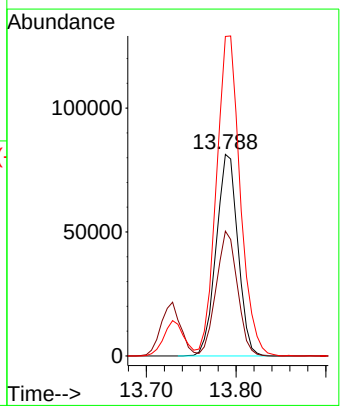
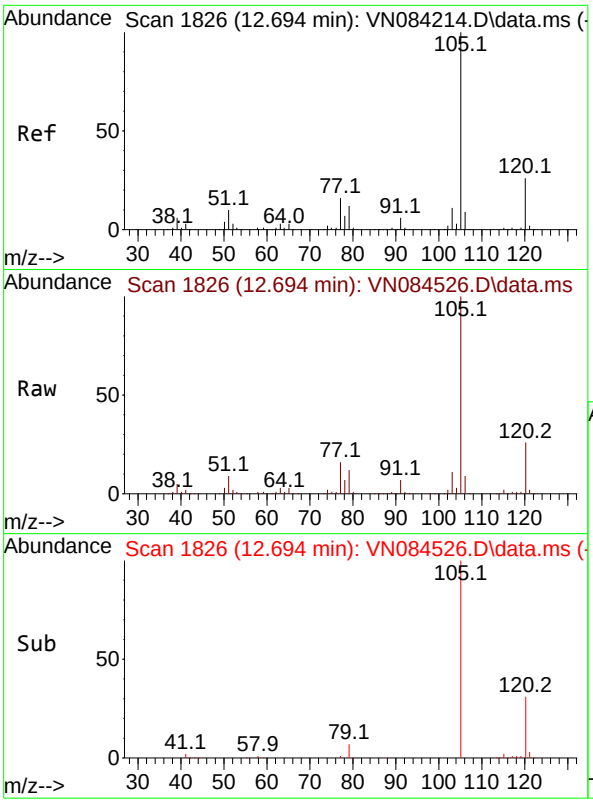


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:152 Resp: 136706

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.3	93.9
150	173.8	0.0	349.8





#73
Isopropylbenzene
Concen: 47.706 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:105 Resp: 49766

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.9	38.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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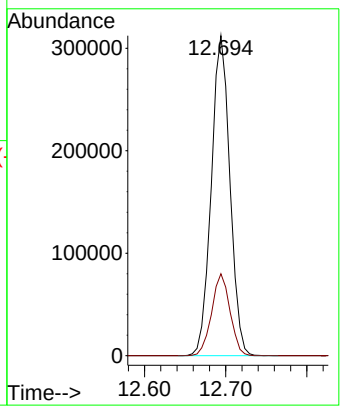
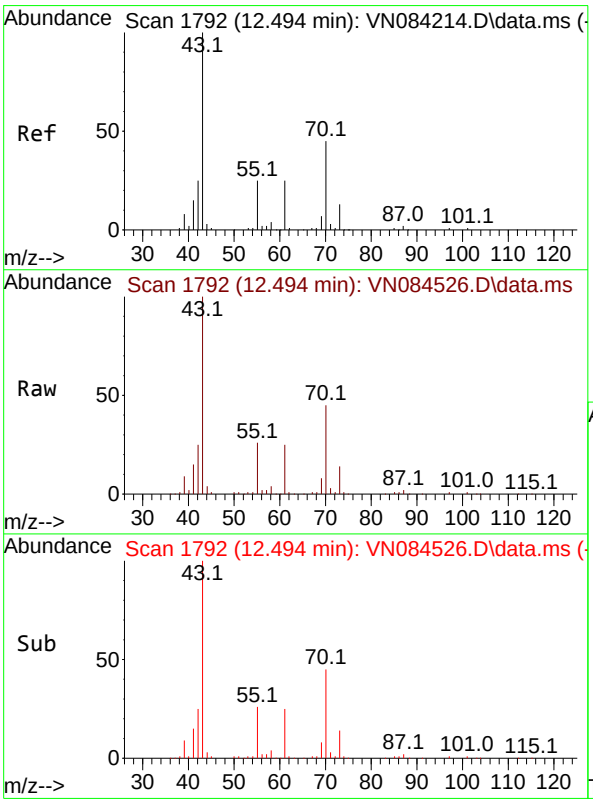
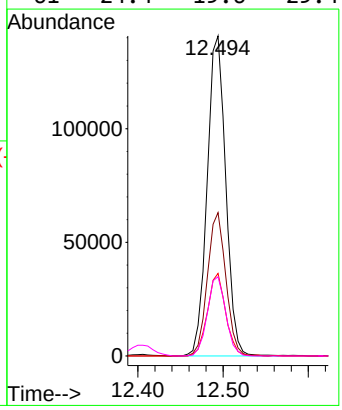


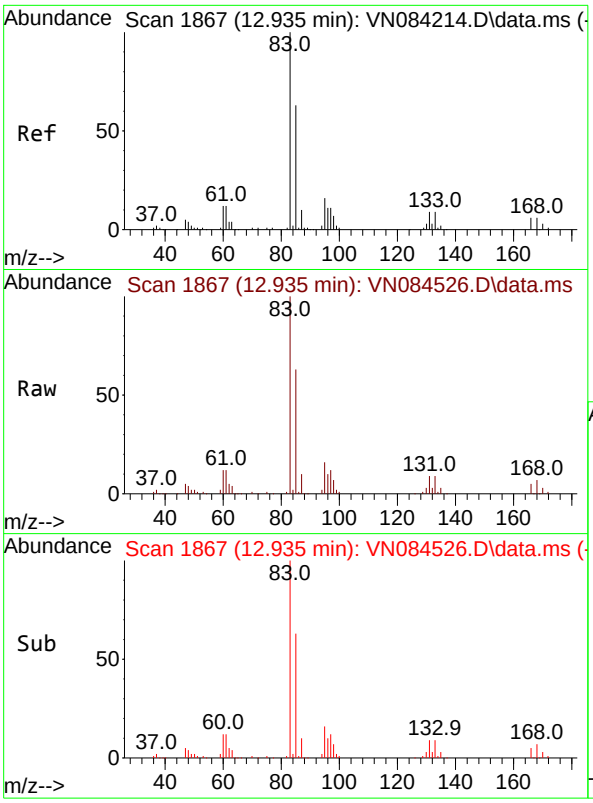


#74
N-amyl acetate
Concen: 45.322 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 214096

Ion	Ratio	Lower	Upper
43	100		
70	44.3	34.4	51.6
55	25.4	19.6	29.4
61	24.4	19.6	29.4

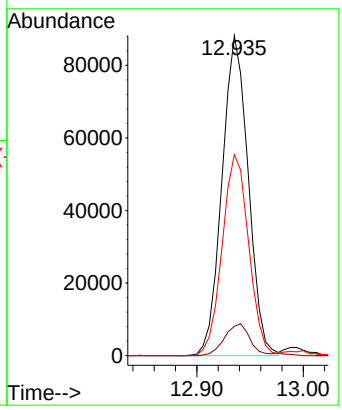




#75
1,1,2,2-Tetrachloroethane
Concen: 47.998 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 83 Resp: 15056

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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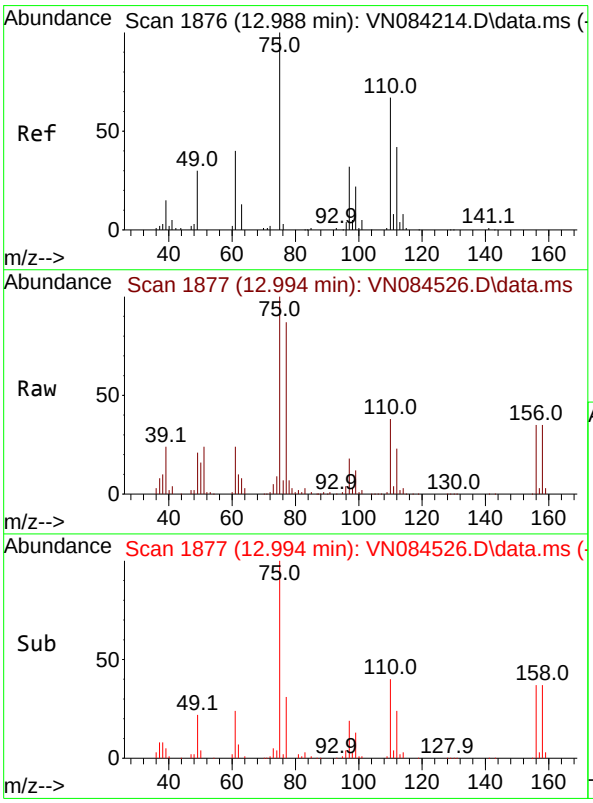
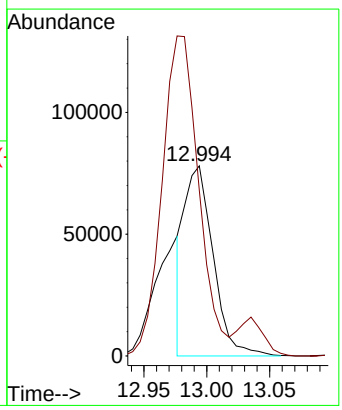
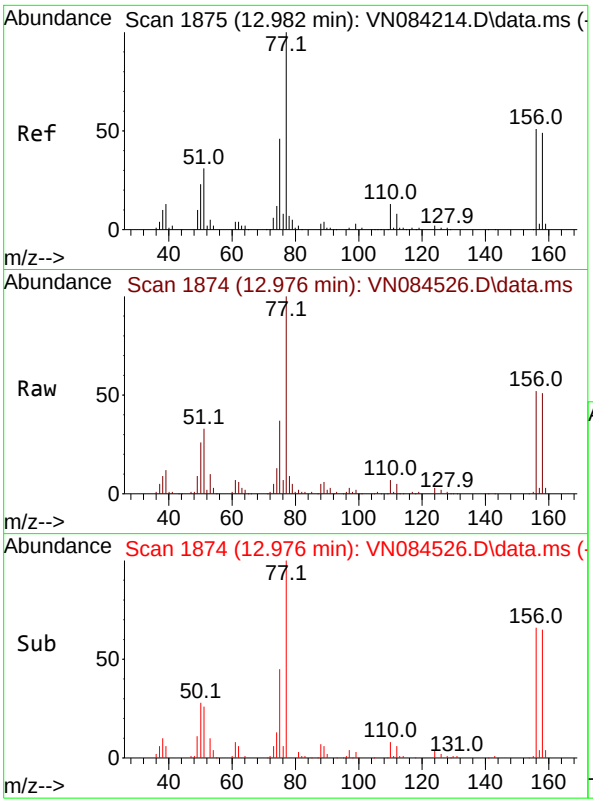


#76
1,2,3-Trichloropropane
Concen: 44.613 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 124511

Ion	Ratio	Lower	Upper
75	100		
77	213.8	96.9	290.7

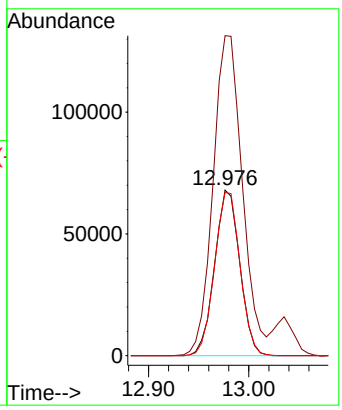




#77
Bromobenzene
Concen: 47.134 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:156 Resp: 11860

Ion	Ratio	Lower	Upper
156	100		
77	224.4	115.1	345.3
158	99.6	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
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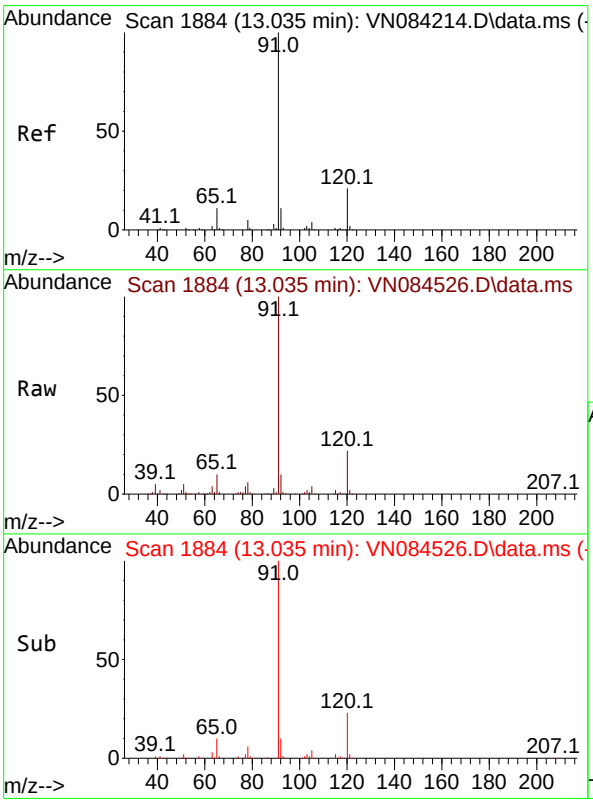
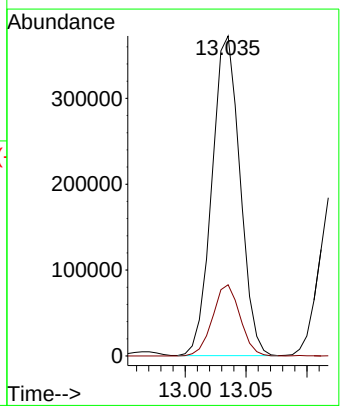
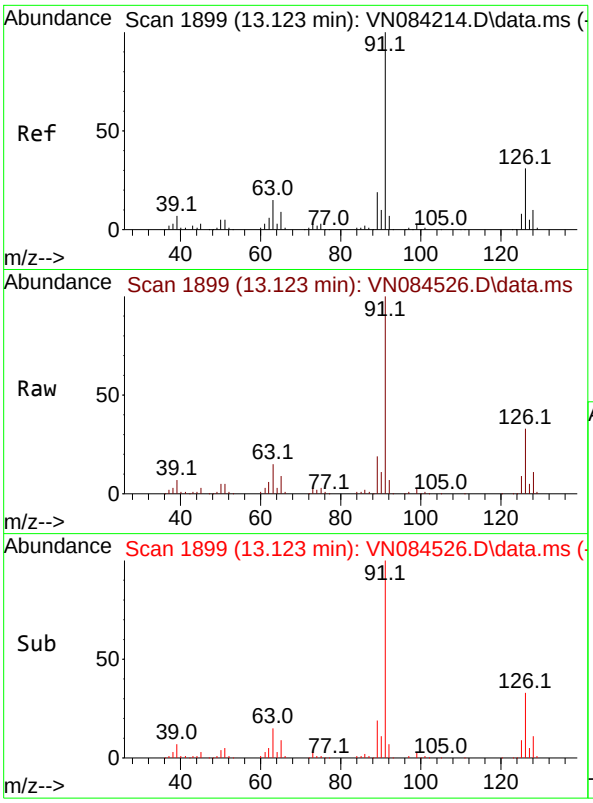


#78
n-propylbenzene
Concen: 49.330 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 91 Resp: 596232

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

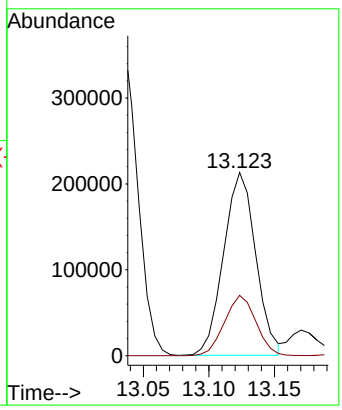




#79
2-Chlorotoluene
Concen: 47.192 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 91 Resp: 36396

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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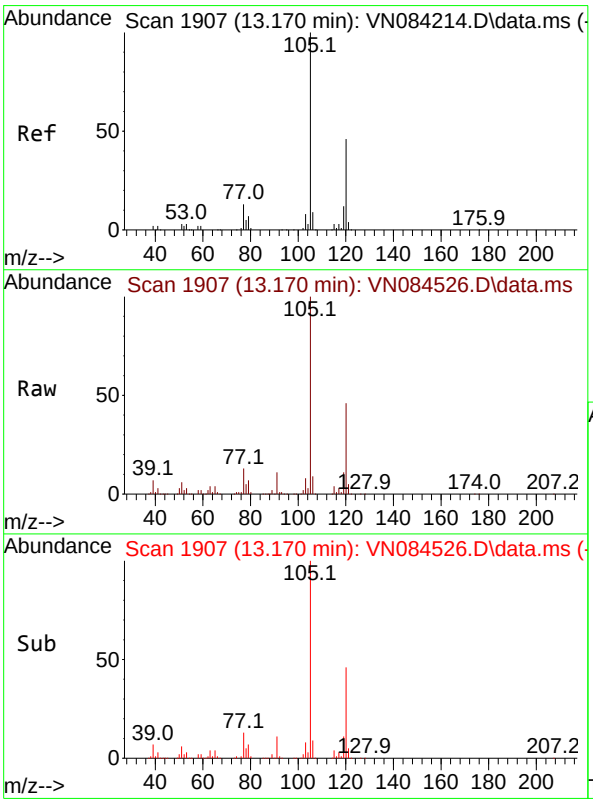
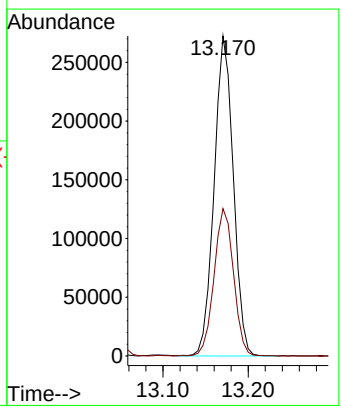
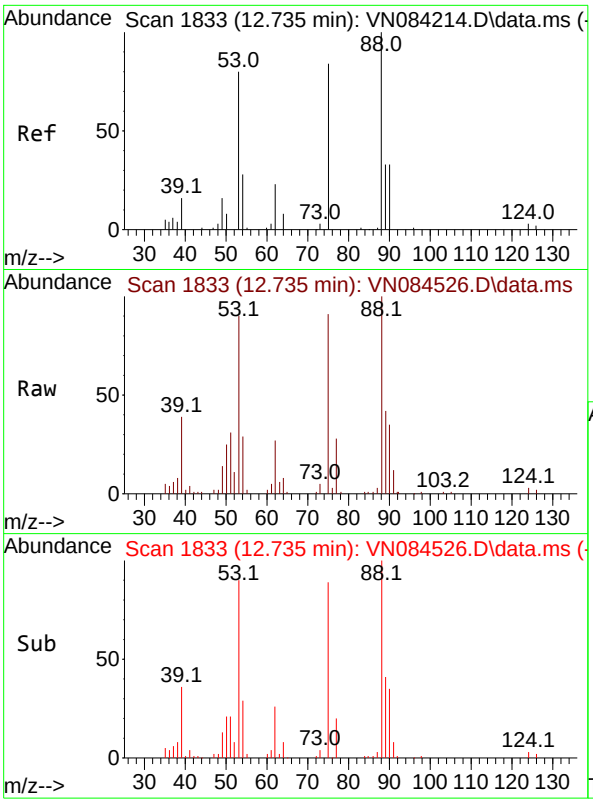


#80
1,3,5-Trimethylbenzene
Concen: 50.034 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:105 Resp: 425766

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.7	71.1

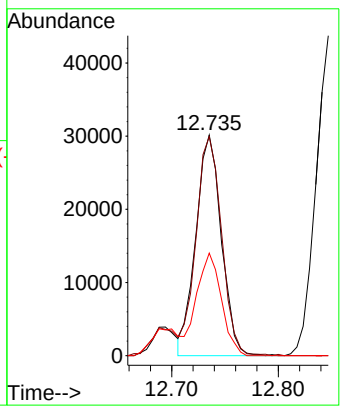




#81
trans-1,4-Dichloro-2-butene
Concen: 43.206 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 5029

Ion	Ratio	Lower	Upper
75	100		
53	99.8	78.0	117.0
89	44.5	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
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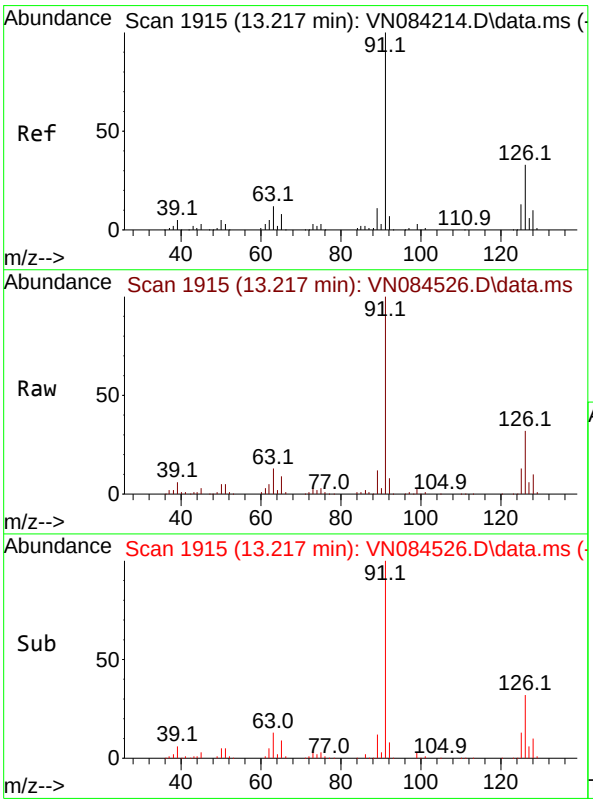
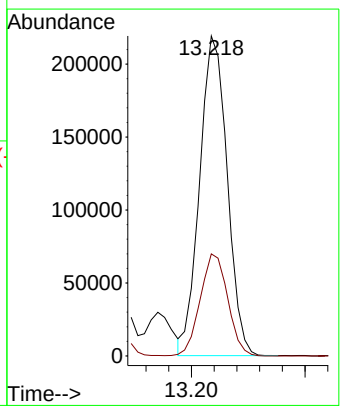
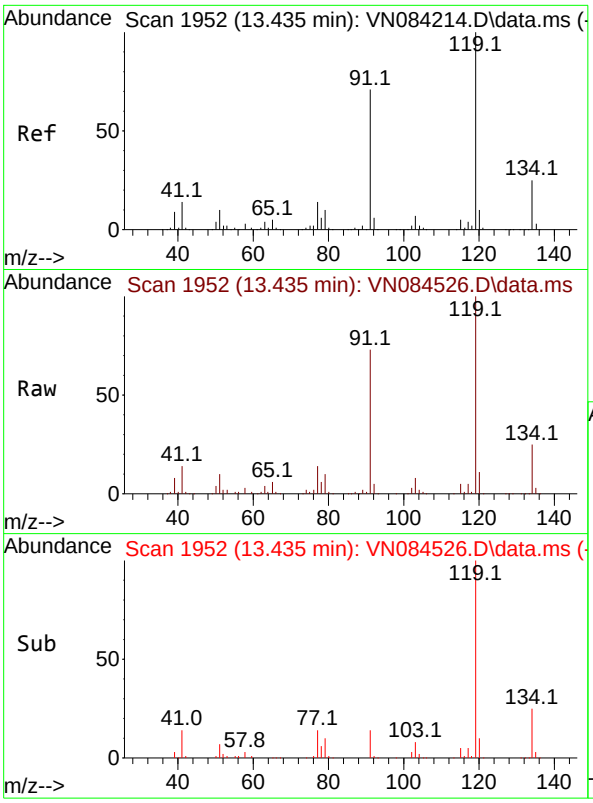


#82
4-Chlorotoluene
Concen: 47.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 91 Resp: 368750

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

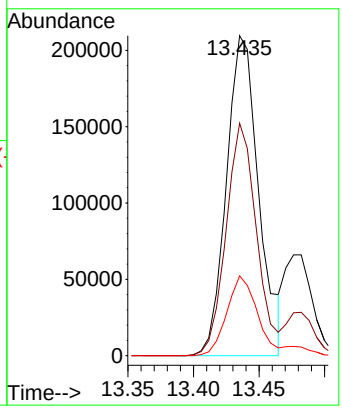




#83
tert-Butylbenzene
Concen: 47.471 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:119 Resp: 35903

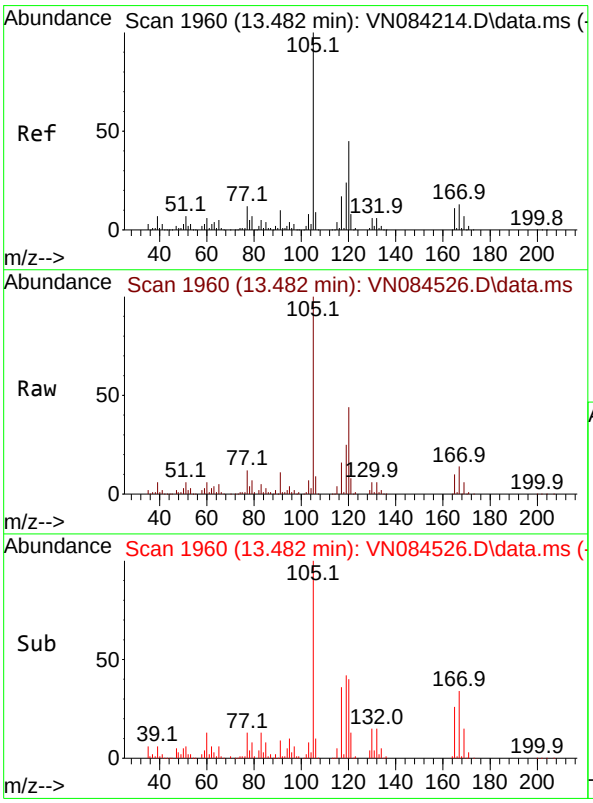
Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.1	102.3
134	25.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

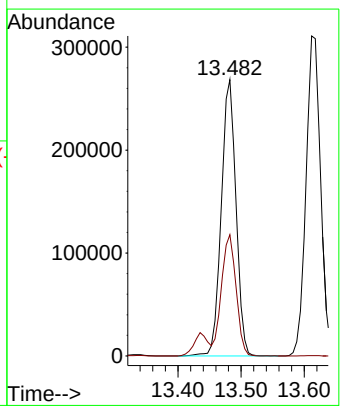
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

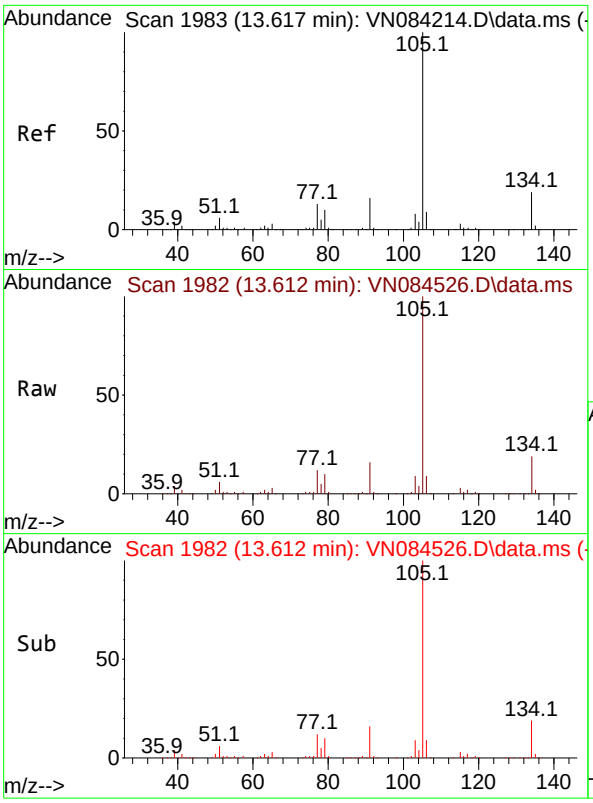


#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:105 Resp: 432987

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

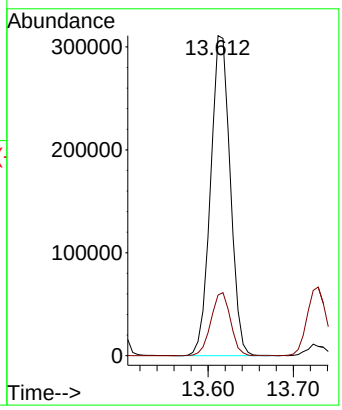




#85
sec-Butylbenzene
Concen: 49.306 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:105 Resp: 49762

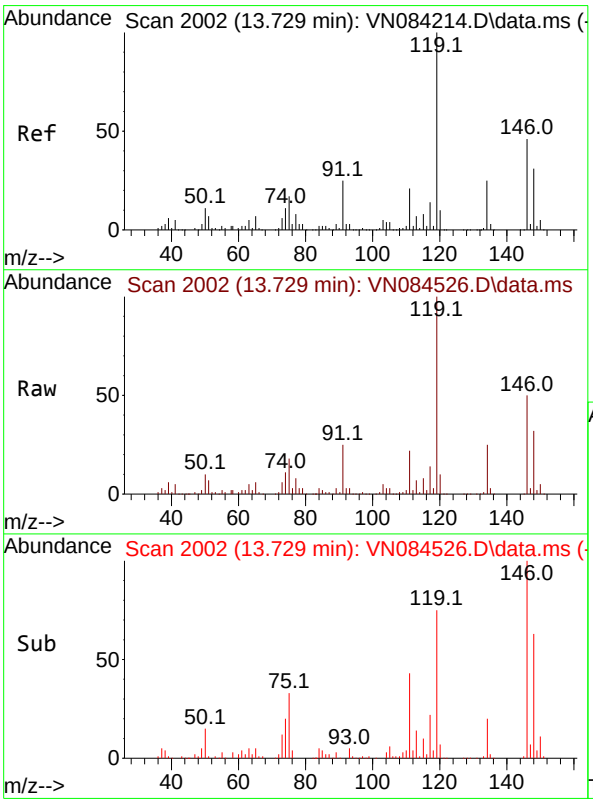
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

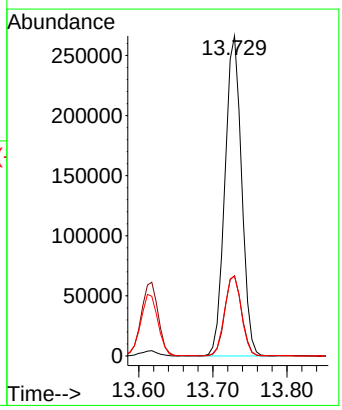
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

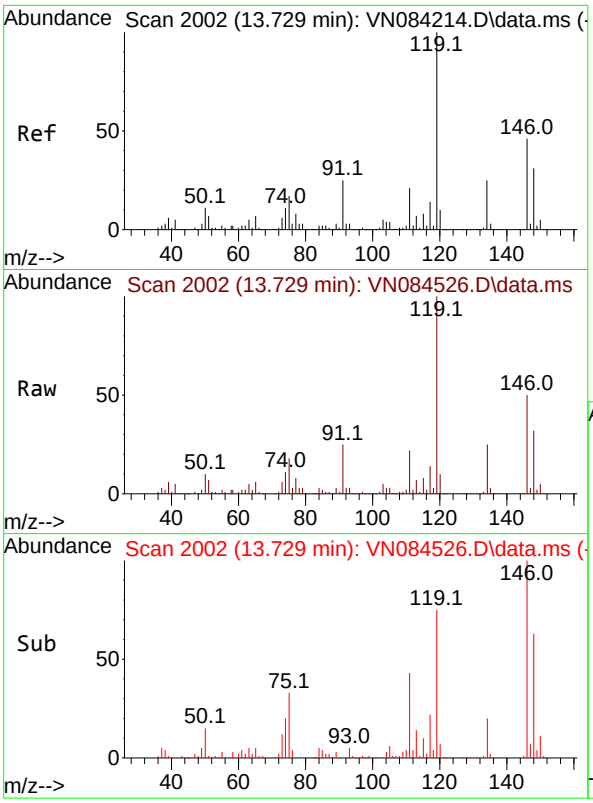


#86
p-Isopropyltoluene
Concen: 49.893 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:119 Resp: 416390

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.4	37.2

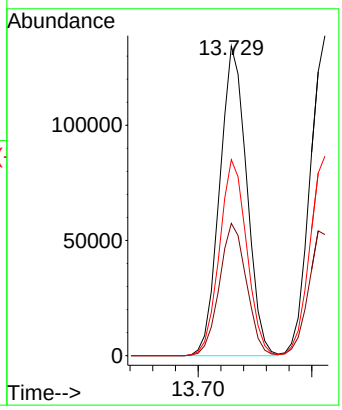




#87
1,3-Dichlorobenzene
Concen: 47.055 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:146 Resp: 22212

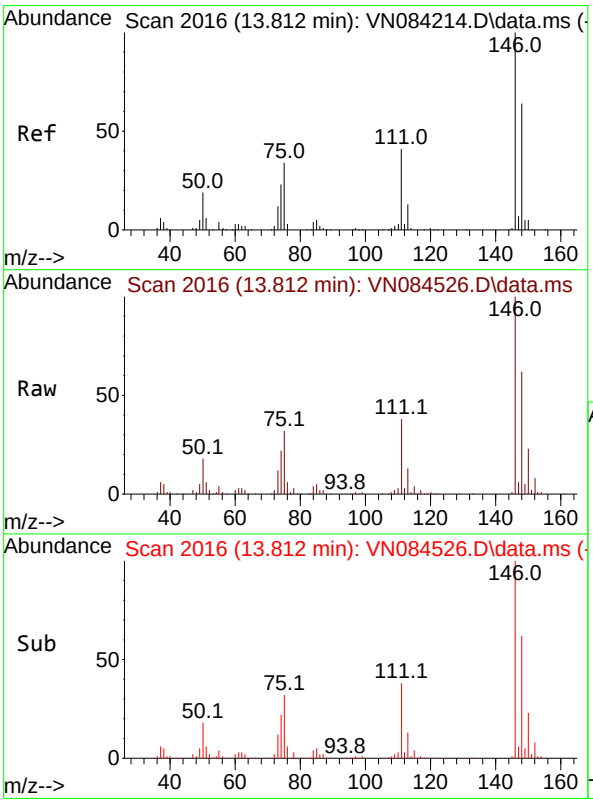
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

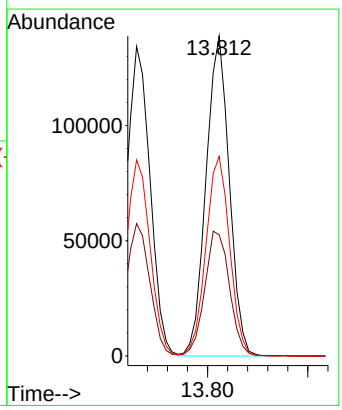
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

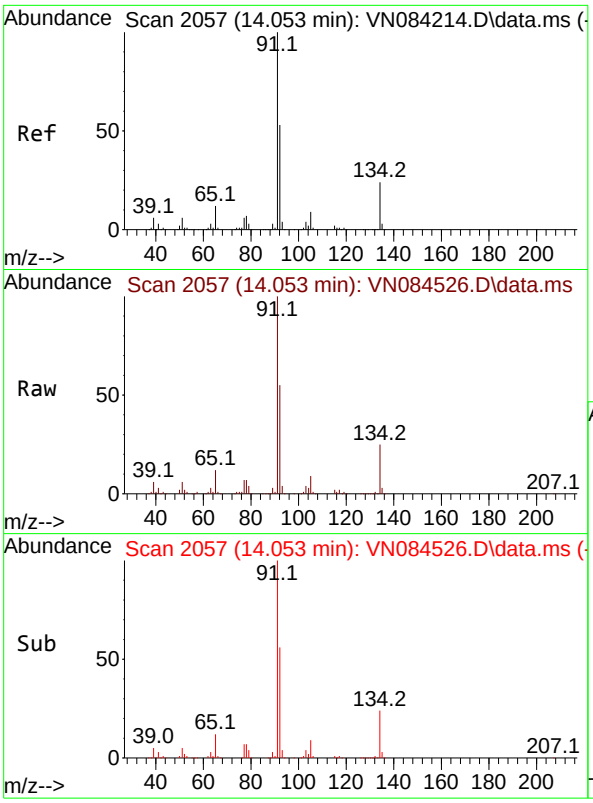


#88
1,4-Dichlorobenzene
Concen: 46.984 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:146 Resp: 223979

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.6	31.9	95.9





#89
n-Butylbenzene
Concen: 46.782 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

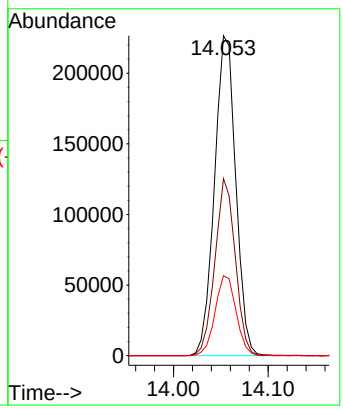
Tgt Ion: 91 Resp: 35402

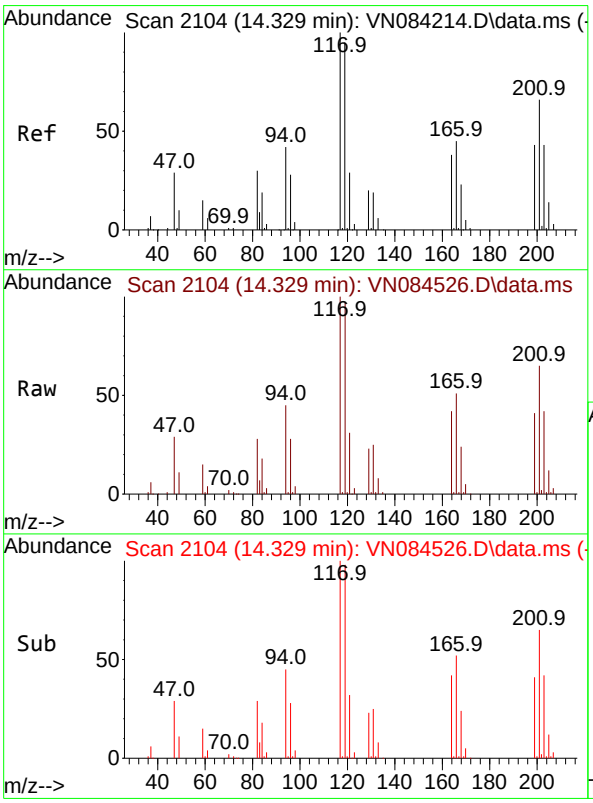
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.7	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

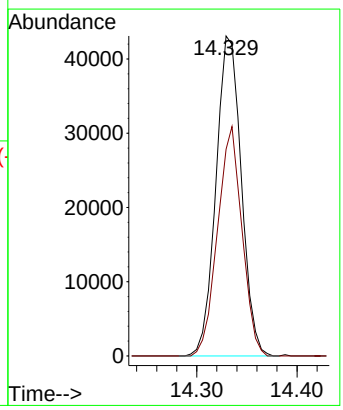


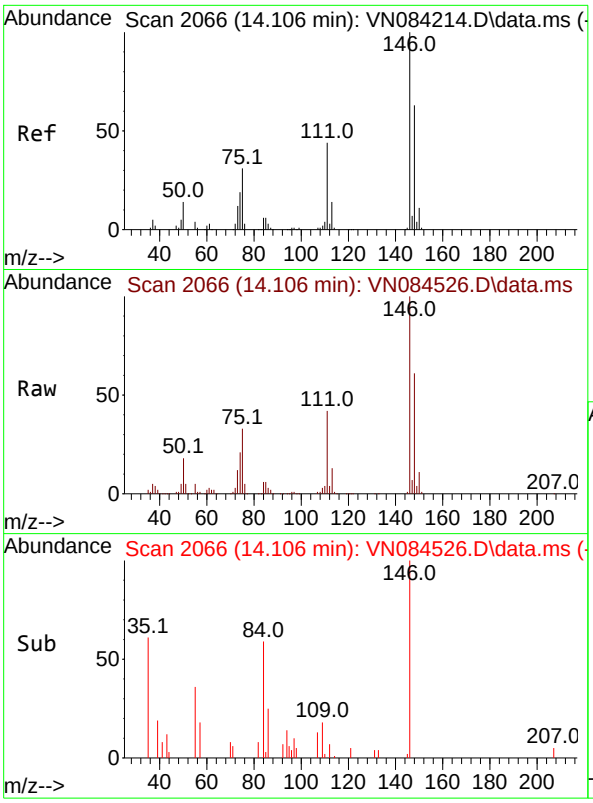


#90
Hexachloroethane
Concen: 44.573 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:117 Resp: 75508

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.4	103.2

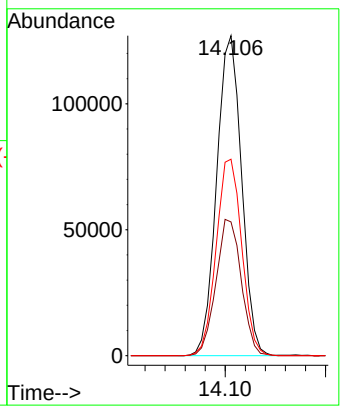




#91
1,2-Dichlorobenzene
Concen: 47.263 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:146 Resp: 21876

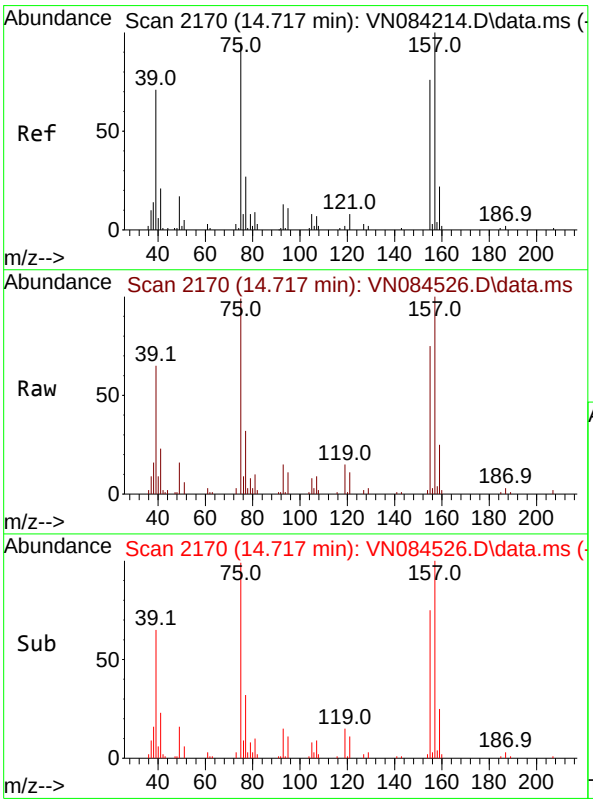
Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.0	66.0
148	63.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

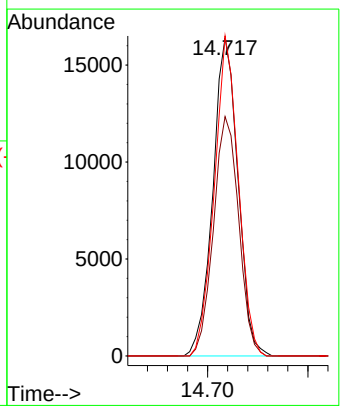
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

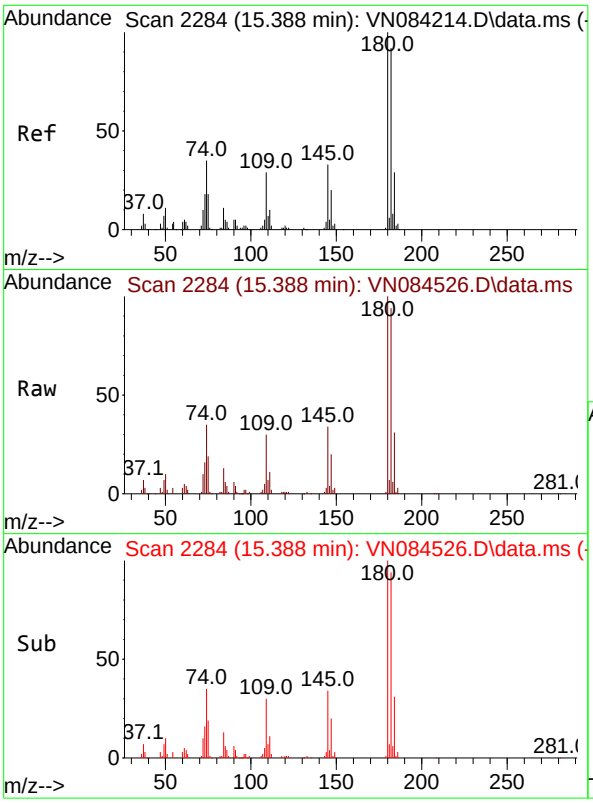


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.075 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 28530

Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.1	114.5
157	95.8	49.6	149.0

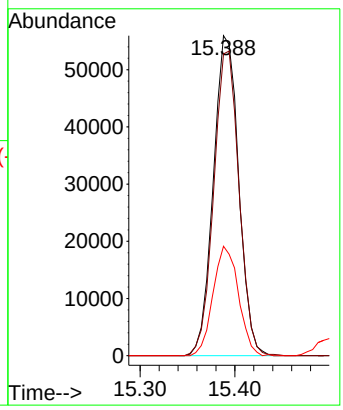




#93
1,2,4-Trichlorobenzene
Concen: 45.570 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:180 Resp: 10389

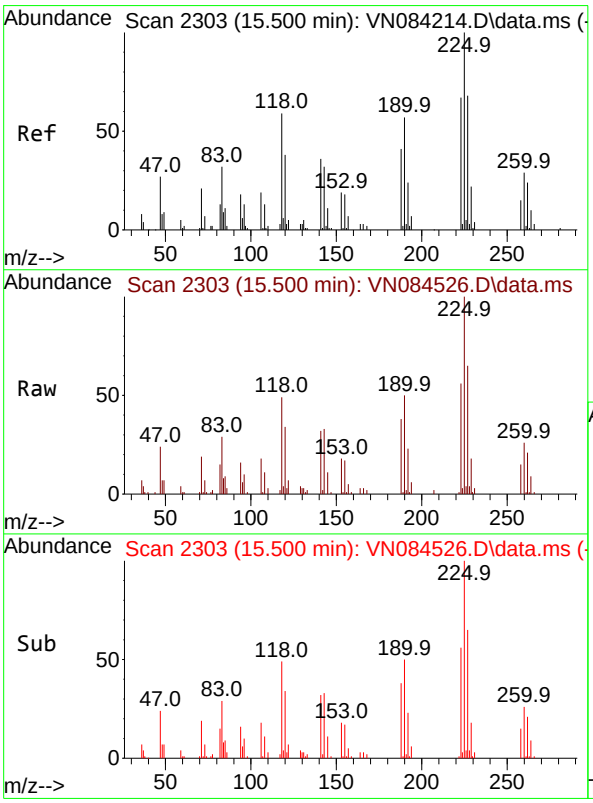
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	34.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

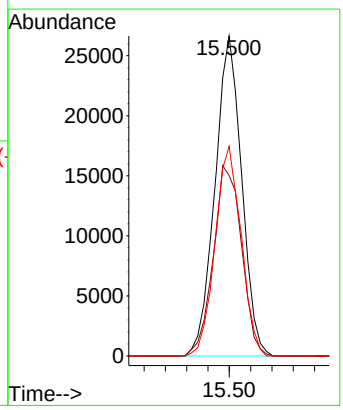
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

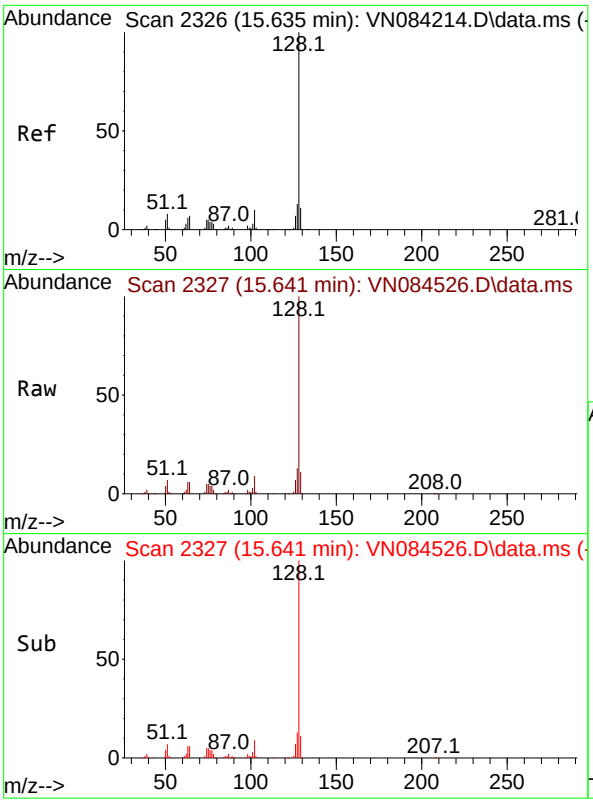


#94
Hexachlorobutadiene
Concen: 40.733 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:225 Resp: 46312

Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.4	97.2
227	64.0	32.4	97.0

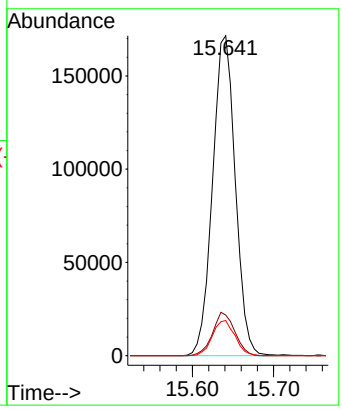




#95
Naphthalene
Concen: 44.152 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:128 Resp: 33371

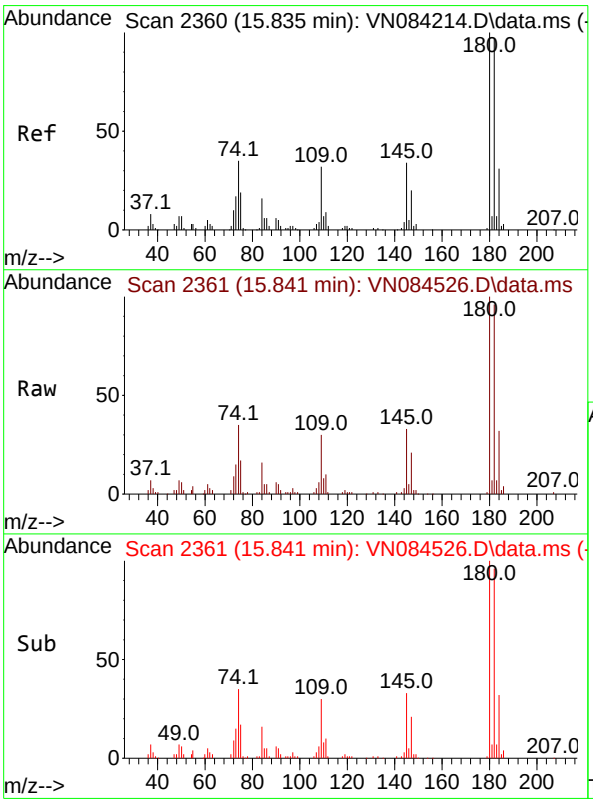
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

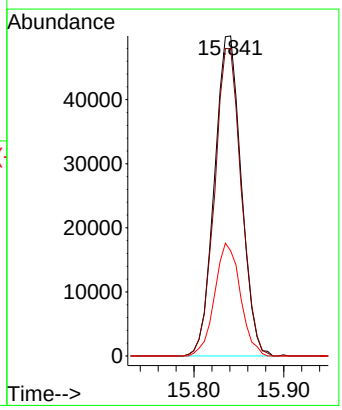
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024



#96
1,2,3-Trichlorobenzene
Concen: 45.202 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:180 Resp: 103160

Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	33.9	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.591	0.433	26.7#	67	0.00
3	P	Chloromethane	0.675	0.530	21.5	75	0.00
4	C	Vinyl Chloride	0.654	0.549	16.1#	78	0.00
5	T	Bromomethane	0.431	0.340	21.1	75	0.00
6	T	Chloroethane	0.468	0.372	20.5	85	0.00
7	T	Trichlorofluoromethane	1.019	0.971	4.7	87	0.00
8	T	Diethyl Ether	0.378	0.355	6.1	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.564	3.4	91	0.00
10	T	Methyl Iodide	0.752	0.703	6.5	83	0.00
11	T	Tert butyl alcohol	0.122	0.106	13.1	82	0.00
12	CM	1,1-Dichloroethene	0.563	0.525	6.7#	85	0.00
13	T	Acrolein	0.140	0.125	10.7	84	0.00
14	T	Allyl chloride	0.978	0.840	14.1	80	0.00
15	T	Acrylonitrile	0.309	0.306	1.0	92	0.00
16	T	Acetone	0.318	0.256	19.5	71	0.00
17	T	Carbon Disulfide	1.782	1.370	23.1	76	0.00
18	T	Methyl Acetate	0.694	0.689	0.7	93	0.00
19	T	Methyl tert-butyl Ether	1.900	1.913	-0.7	89	0.00
20	T	Methylene Chloride	0.647	0.638	1.4	93	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.563	4.6	86	0.00
22	T	Diisopropyl ether	2.022	2.068	-2.3	91	0.00
23	T	Vinyl Acetate	1.500	1.476	1.6	85	0.00
24	P	1,1-Dichloroethane	1.131	1.153	-1.9	92	0.00
25	T	2-Butanone	0.434	0.401	7.6	84	0.00
26	T	2,2-Dichloropropane	1.020	0.919	9.9	81	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.727	-2.0	93	0.00
28	T	Bromochloromethane	0.505	0.499	1.2	96	0.00
29	T	Tetrahydrofuran	0.268	0.267	0.4	90	0.00
30	C	Chloroform	1.175	1.223	-4.1#	97	0.00
31	T	Cyclohexane	1.098	0.925	15.8	82	0.00
32	T	1,1,1-Trichloroethane	1.055	1.069	-1.3	92	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.736	0.7	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.330	0.344	-4.2	100	0.00
36	T	1,1-Dichloropropene	0.479	0.477	0.4	88	0.00
37	T	Ethyl Acetate	0.491	0.490	0.2	92	0.00
38	T	Carbon Tetrachloride	0.525	0.531	-1.1	91	0.00
39	T	Methylcyclohexane	0.533	0.498	6.6	80	0.00
40	TM	Benzene	1.492	1.515	-1.5	92	0.00
41	T	Methacrylonitrile	0.267	0.273	-2.2	90	0.00
42	TM	1,2-Dichloroethane	0.506	0.517	-2.2	92	0.00
43	T	Isopropyl Acetate	0.962	0.813	15.5	85	0.00
44	TM	Trichloroethene	0.348	0.352	-1.1	92	0.00
45	C	1,2-Dichloropropane	0.353	0.380	-7.6#	96	0.00
46	T	Dibromomethane	0.238	0.264	-10.9	96	0.00
47	T	Bromodichloromethane	0.529	0.565	-6.8	96	0.00
48	T	Methyl methacrylate	0.383	0.384	-0.3	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	90	0.00
50	S	Toluene-d8	1.213	1.245	-2.6	94	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.495	-5.8	92	0.00
52	CM	Toluene	0.910	0.953	-4.7#	93	0.00
53	T	t-1,3-Dichloropropene	0.539	0.562	-4.3	90	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.600	-3.4	89	0.00
55	T	1,1,2-Trichloroethane	0.326	0.358	-9.8	96	0.00
56	T	Ethyl methacrylate	0.537	0.576	-7.3	90	0.00
57	T	1,3-Dichloropropane	0.583	0.627	-7.5	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.259	-4.0	87	0.00
59	T	2-Hexanone	0.349	0.364	-4.3	89	0.00
60	T	Dibromochloromethane	0.385	0.433	-12.5	98	0.00
61	T	1,2-Dibromoethane	0.339	0.360	-6.2	95	0.00
62	S	4-Bromofluorobenzene	0.442	0.467	-5.7	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.348	0.348	0.0	95	0.00
65	PM	Chlorobenzene	1.109	1.125	-1.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.406	-6.3	99	0.00
67	C	Ethyl Benzene	1.961	2.044	-4.2#	95	0.00
68	T	m/p-Xylenes	0.725	0.784	-8.1	96	0.00
69	T	o-Xylene	0.686	0.752	-9.6	96	0.00
70	T	Styrene	1.162	1.287	-10.8	96	0.00
71	P	Bromoform	0.281	0.308	-9.6	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.815	3.640	4.6	94	0.00
74	T	N-amyl acetate	1.728	1.566	9.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.101	4.0	100	0.00
76	T	1,2,3-Trichloropropane	1.021	0.911	10.8	87	0.00
77	T	Bromobenzene	0.920	0.868	5.7	98	0.00
78	T	n-propylbenzene	4.421	4.361	1.4	95	0.00
79	T	2-Chlorotoluene	2.821	2.662	5.6	95	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.114	-0.1	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.368	13.6	87	0.00
82	T	4-Chlorotoluene	2.840	2.697	5.0	95	0.00
83	T	tert-Butylbenzene	2.766	2.626	5.1	93	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.167	-1.0	96	0.00
85	T	sec-Butylbenzene	3.691	3.640	1.4	94	0.00
86	T	p-Isopropyltoluene	3.052	3.046	0.2	93	0.00
87	T	1,3-Dichlorobenzene	1.727	1.625	5.9	97	0.00
88	T	1,4-Dichlorobenzene	1.744	1.638	6.1	98	0.00
89	T	n-Butylbenzene	2.768	2.590	6.4	90	0.00
90	T	Hexachloroethane	0.620	0.552	11.0	93	0.00
91	T	1,2-Dichlorobenzene	1.693	1.600	5.5	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.209	11.8	94	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.760	8.9	87	0.00
94	T	Hexachlorobutadiene	0.416	0.339	18.5	91	0.00
95	T	Naphthalene	2.764	2.441	11.7	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.835	0.755	9.6	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	36.594	26.8#	67	0.00
3	P	Chloromethane	50.000	39.218	21.6	75	0.00
4	C	Vinyl Chloride	50.000	41.975	16.0#	78	0.00
5	T	Bromomethane	50.000	39.426	21.1	75	0.00
6	T	Chloroethane	50.000	39.749	20.5	85	0.00
7	T	Trichlorofluoromethane	50.000	47.655	4.7	87	0.00
8	T	Diethyl Ether	50.000	47.048	5.9	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.278	3.4	91	0.00
10	T	Methyl Iodide	50.000	46.747	6.5	83	0.00
11	T	Tert butyl alcohol	250.000	216.174	13.5	82	0.00
12	CM	1,1-Dichloroethene	50.000	46.634	6.7#	85	0.00
13	T	Acrolein	250.000	222.928	10.8	84	0.00
14	T	Allyl chloride	50.000	42.957	14.1	80	0.00
15	T	Acrylonitrile	250.000	248.067	0.8	92	0.00
16	T	Acetone	250.000	200.799	19.7	71	0.00
17	T	Carbon Disulfide	50.000	38.442	23.1	76	0.00
18	T	Methyl Acetate	50.000	49.611	0.8	93	0.00
19	T	Methyl tert-butyl Ether	50.000	50.335	-0.7	89	0.00
20	T	Methylene Chloride	50.000	49.288	1.4	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.709	4.6	86	0.00
22	T	Diisopropyl ether	50.000	51.132	-2.3	91	0.00
23	T	Vinyl Acetate	250.000	245.982	1.6	85	0.00
24	P	1,1-Dichloroethane	50.000	50.989	-2.0	92	0.00
25	T	2-Butanone	250.000	231.376	7.4	84	0.00
26	T	2,2-Dichloropropane	50.000	45.038	9.9	81	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.007	-2.0	93	0.00
28	T	Bromochloromethane	50.000	49.424	1.2	96	0.00
29	T	Tetrahydrofuran	250.000	248.934	0.4	90	0.00
30	C	Chloroform	50.000	52.045	-4.1#	97	0.00
31	T	Cyclohexane	50.000	42.106	15.8	82	0.00
32	T	1,1,1-Trichloroethane	50.000	50.640	-1.3	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.644	0.7	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	52.217	-4.4	100	0.00
36	T	1,1-Dichloropropene	50.000	49.831	0.3	88	0.00
37	T	Ethyl Acetate	50.000	49.906	0.2	92	0.00
38	T	Carbon Tetrachloride	50.000	50.544	-1.1	91	0.00
39	T	Methylcyclohexane	50.000	46.735	6.5	80	0.00
40	TM	Benzene	50.000	50.775	-1.5	92	0.00
41	T	Methacrylonitrile	50.000	51.145	-2.3	90	0.00
42	TM	1,2-Dichloroethane	50.000	51.069	-2.1	92	0.00
43	T	Isopropyl Acetate	50.000	42.271	15.5	85	0.00
44	TM	Trichloroethene	50.000	50.453	-0.9	92	0.00
45	C	1,2-Dichloropropane	50.000	53.889	-7.8#	96	0.00
46	T	Dibromomethane	50.000	55.510	-11.0	96	0.00
47	T	Bromodichloromethane	50.000	53.371	-6.7	96	0.00
48	T	Methyl methacrylate	50.000	50.076	-0.2	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	986.815	1.3	90	0.00
50	S	Toluene-d8	50.000	51.332	-2.7	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.775	-5.9	92	0.00
52	CM	Toluene	50.000	52.357	-4.7#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	52.078	-4.2	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.711	-3.4	89	0.00
55	T	1,1,2-Trichloroethane	50.000	54.831	-9.7	96	0.00
56	T	Ethyl methacrylate	50.000	53.712	-7.4	90	0.00
57	T	1,3-Dichloropropane	50.000	53.769	-7.5	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.663	-3.9	87	0.00
59	T	2-Hexanone	250.000	260.266	-4.1	89	0.00
60	T	Dibromochloromethane	50.000	56.184	-12.4	98	0.00
61	T	1,2-Dibromoethane	50.000	53.087	-6.2	95	0.00
62	S	4-Bromofluorobenzene	50.000	52.811	-5.6	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	50.022	-0.0	95	0.00
65	PM	Chlorobenzene	50.000	50.731	-1.5	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.144	-6.3	99	0.00
67	C	Ethyl Benzene	50.000	52.136	-4.3#	95	0.00
68	T	m/p-Xylenes	100.000	108.094	-8.1	96	0.00
69	T	o-Xylene	50.000	54.776	-9.6	96	0.00
70	T	Styrene	50.000	55.354	-10.7	96	0.00
71	P	Bromoform	50.000	54.763	-9.5	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	47.706	4.6	94	0.00
74	T	N-amyl acetate	50.000	45.322	9.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.998	4.0	100	0.00
76	T	1,2,3-Trichloropropane	50.000	44.613	10.8	87	0.00
77	T	Bromobenzene	50.000	47.134	5.7	98	0.00
78	T	n-propylbenzene	50.000	49.330	1.3	95	0.00
79	T	2-Chlorotoluene	50.000	47.192	5.6	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.034	-0.1	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.206	13.6	87	0.00
82	T	4-Chlorotoluene	50.000	47.496	5.0	95	0.00
83	T	tert-Butylbenzene	50.000	47.471	5.1	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.510	-1.0	96	0.00
85	T	sec-Butylbenzene	50.000	49.306	1.4	94	0.00
86	T	p-Isopropyltoluene	50.000	49.893	0.2	93	0.00
87	T	1,3-Dichlorobenzene	50.000	47.055	5.9	97	0.00
88	T	1,4-Dichlorobenzene	50.000	46.984	6.0	98	0.00
89	T	n-Butylbenzene	50.000	46.782	6.4	90	0.00
90	T	Hexachloroethane	50.000	44.573	10.9	93	0.00
91	T	1,2-Dichlorobenzene	50.000	47.263	5.5	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.075	11.8	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.570	8.9	87	0.00
94	T	Hexachlorobutadiene	50.000	40.733	18.5	91	0.00
95	T	Naphthalene	50.000	44.152	11.7	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.202	9.6	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/28/2024 10:05

Lab File ID: VN084529.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.675	0.598	0.1	-11.41	20
Vinyl Chloride	0.654	0.603		-7.8	20
Bromomethane	0.431	0.378		-12.3	20
Chloroethane	0.468	0.391		-16.45	20
Trichlorofluoromethane	1.019	1.025		0.59	20
1,1,2-Trichlorotrifluoroethane	0.584	0.582		-0.34	20
1,1-Dichloroethene	0.563	0.554		-1.6	20
Acetone	0.318	0.308		-3.14	20
Carbon Disulfide	1.782	1.501		-15.77	20
Methyl tert-butyl Ether	1.900	1.919		1	20
Methylene Chloride	0.647	0.663		2.47	20
trans-1,2-Dichloroethene	0.590	0.607		2.88	20
1,1-Dichloroethane	1.131	1.164	0.1	2.92	20
2-Butanone	0.434	0.425		-2.07	20
Carbon Tetrachloride	0.525	0.563		7.24	20
cis-1,2-Dichloroethene	0.713	0.739		3.65	20
Chloroform	1.175	1.237		5.28	20
1,1,1-Trichloroethane	1.055	1.088		3.13	20
Methylcyclohexane	0.533	0.520		-2.44	20
Benzene	1.492	1.585		6.23	20
1,2-Dichloroethane	0.506	0.528		4.35	20
Trichloroethene	0.348	0.368		5.75	20
1,2-Dichloropropane	0.353	0.387		9.63	20
Bromodichloromethane	0.529	0.582		10.02	20
4-Methyl-2-Pentanone	0.468	0.503		7.48	20
Toluene	0.910	0.991		8.9	20
t-1,3-Dichloropropene	0.539	0.580		7.61	20
cis-1,3-Dichloropropene	0.580	0.632		8.97	20
1,1,2-Trichloroethane	0.326	0.378		15.95	20
2-Hexanone	0.349	0.373		6.88	20
Dibromochloromethane	0.385	0.441		14.55	20
Tetrachloroethene	0.348	0.381		9.48	20
Chlorobenzene	1.109	1.155	0.3	4.15	20
Ethyl Benzene	1.961	2.049		4.49	20
m/p-Xylenes	0.725	0.784		8.14	20
o-Xylene	0.686	0.751		9.48	20
Styrene	1.162	1.303		12.13	20
Bromoform	0.281	0.312	0.1	11.03	20

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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/28/2024 10:05

Lab File ID: VN084529.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.815	3.841		0.68	20
1,1,2,2-Tetrachloroethane	1.147	1.165	0.3	1.57	20
1,3-Dichlorobenzene	1.727	1.752		1.45	20
1,4-Dichlorobenzene	1.744	1.746		0.12	20
1,2-Dichlorobenzene	1.693	1.699		0.35	20
1,2-Dichloroethane-d4	0.741	0.721		-2.7	20
Dibromofluoromethane	0.330	0.356		7.88	20
Toluene-d8	1.213	1.245		2.64	20
4-Bromofluorobenzene	0.442	0.476		7.69	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120134	48.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.300%			
35) Dibromofluoromethane	8.165	113	99545	54.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	10.565	98	347657	51.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.847	95	132896	53.860	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	86744	44.030	ug/l	94
3) Chloromethane	2.359	50	99520	44.241	ug/l	100
4) Vinyl Chloride	2.512	62	100469	46.108	ug/l	97
5) Bromomethane	2.948	94	62891	43.757	ug/l	98
6) Chloroethane	3.118	64	65082	41.705	ug/l	92
7) Trichlorofluoromethane	3.495	101	170700	50.308	ug/l	96
8) Diethyl Ether	3.959	74	60129	47.781	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	96921	49.851	ug/l	98
10) Methyl Iodide	4.589	142	125472	50.113	ug/l	95
11) Tert butyl alcohol	5.518	59	95192	233.770	ug/l	100
12) 1,1-Dichloroethene	4.342	96	92279	49.207	ug/l	95
13) Acrolein	4.177	56	100084	214.094	ug/l	99
14) Allyl chloride	5.024	41	143362	44.018	ug/l	98
15) Acrylonitrile	5.718	53	260578	253.406	ug/l	97
16) Acetone	4.424	43	256618	241.898	ug/l	99
17) Carbon Disulfide	4.712	76	249987	42.104	ug/l	99
18) Methyl Acetate	5.018	43	130262	56.337	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	319640	50.500	ug/l	97
20) Methylene Chloride	5.277	84	110503	51.242	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	101035	51.425	ug/l	98
22) Diisopropyl ether	6.671	45	341716	50.724	ug/l	97
23) Vinyl Acetate	6.600	43	1218866	243.938	ug/l	98
24) 1,1-Dichloroethane	6.565	63	193799	51.442	ug/l	96
25) 2-Butanone	7.477	43	353909	244.937	ug/l	99
26) 2,2-Dichloropropane	7.489	77	173677	51.129	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	123148	51.870	ug/l	96
28) Bromochloromethane	7.812	49	74170	44.125	ug/l	94
29) Tetrahydrofuran	7.836	42	221155	248.023	ug/l	97
30) Chloroform	7.965	83	206104	52.667	ug/l	98
31) Cyclohexane	8.259	56	160173	43.789	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	181138	51.539	ug/l	99
36) 1,1-Dichloropropene	8.371	75	138130	51.657	ug/l	99
37) Ethyl Acetate	7.559	43	136243	49.664	ug/l	100
38) Carbon Tetrachloride	8.359	117	157140	53.573	ug/l	95
39) Methylcyclohexane	9.600	83	145094	48.754	ug/l	97
40) Benzene	8.600	78	442533	53.118	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	73419	49.298	ug/l		95
42) 1,2-Dichloroethane	8.671	62	147360	52.174	ug/l		100
43) Isopropyl Acetate	8.688	43	239287	44.533	ug/l		99
44) Trichloroethene	9.353	130	102839	52.851	ug/l		96
45) 1,2-Dichloropropane	9.618	63	108113	54.856	ug/l		100
46) Dibromomethane	9.706	93	78367	58.923	ug/l		98
47) Bromodichloromethane	9.888	83	162397	54.959	ug/l	#	97
48) Methyl methacrylate	9.677	41	109240	51.072	ug/l		99
49) 1,4-Dioxane	9.694	88	40112	1018.632	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	701721	268.706	ug/l		99
52) Toluene	10.629	92	276685	54.461	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	161941	53.765	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	176595	54.508	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	105513	57.934	ug/l		97
56) Ethyl methacrylate	10.871	69	164948	55.041	ug/l		95
57) 1,3-Dichloropropane	11.159	76	180439	55.445	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	391410	281.550	ug/l		97
59) 2-Hexanone	11.194	43	521359	267.109	ug/l		99
60) Dibromochloromethane	11.359	129	123065	57.189	ug/l		99
61) 1,2-Dibromoethane	11.465	107	103496	54.689	ug/l		99
64) Tetrachloroethene	11.100	164	97380	54.633	ug/l		96
65) Chlorobenzene	11.888	112	295665	52.108	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	106403	54.443	ug/l		100
67) Ethyl Benzene	11.959	91	524379	52.257	ug/l		99
68) m/p-Xylenes	12.065	106	401441	108.151	ug/l		100
69) o-Xylene	12.394	106	192158	54.717	ug/l		100
70) Styrene	12.406	104	333454	56.058	ug/l		98
71) Bromoform	12.576	173	79927	55.548	ug/l	#	97
73) Isopropylbenzene	12.694	105	489769	50.337	ug/l		100
74) N-amyl acetate	12.488	43	200302	45.461	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	148591	50.789	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	134172m	51.544	ug/l		
77) Bromobenzene	12.976	156	119903	51.089	ug/l		95
78) n-propylbenzene	13.035	91	587897	52.151	ug/l		99
79) 2-Chlorotoluene	13.123	91	359954	50.040	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	425471	53.608	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	58317	53.711	ug/l		92
82) 4-Chlorotoluene	13.218	91	367485	50.748	ug/l		98
83) tert-Butylbenzene	13.435	119	347018	49.193	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	427732	53.498	ug/l		99
85) sec-Butylbenzene	13.612	105	486834	51.718	ug/l		100
86) p-Isopropyltoluene	13.723	119	409248	52.576	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	223411	50.742	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	222616	50.068	ug/l		99
89) n-Butylbenzene	14.053	91	352954	50.006	ug/l		98
90) Hexachloroethane	14.329	117	76602	48.482	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	216615	50.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28304	46.881	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	110241	51.843	ug/l		99
94) Hexachlorobutadiene	15.500	225	49903	47.058	ug/l		97
95) Naphthalene	15.641	128	334829	47.496	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	109325	51.361	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VSTDCCC050

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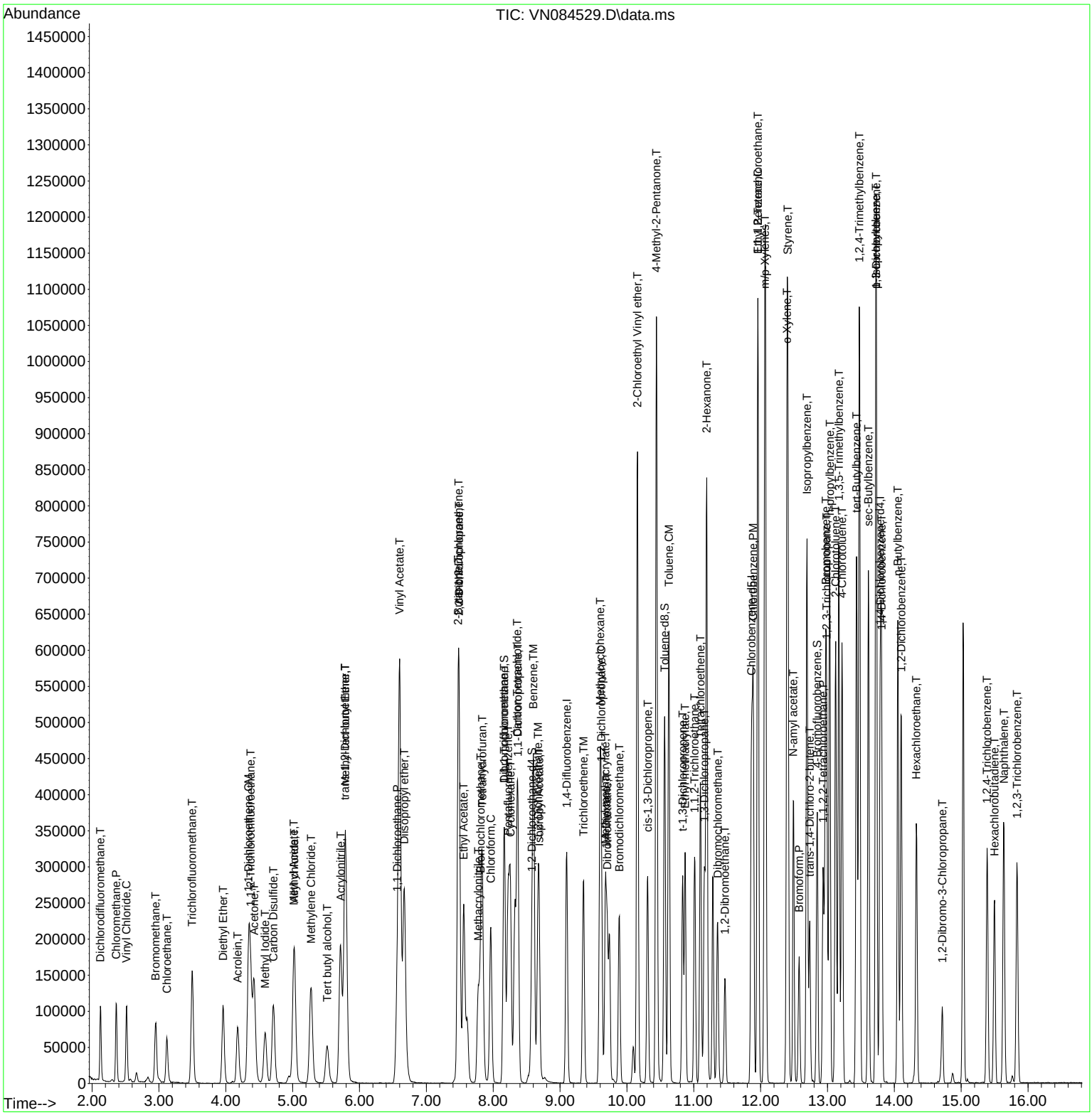
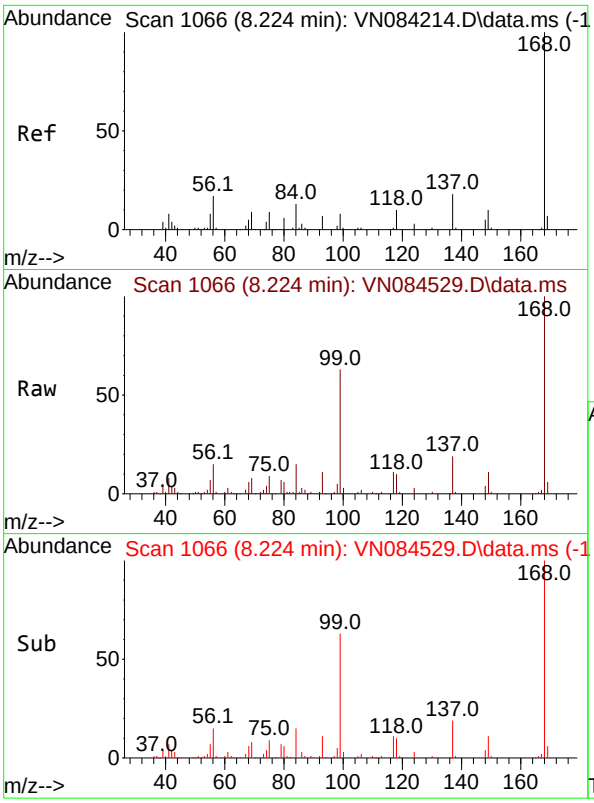
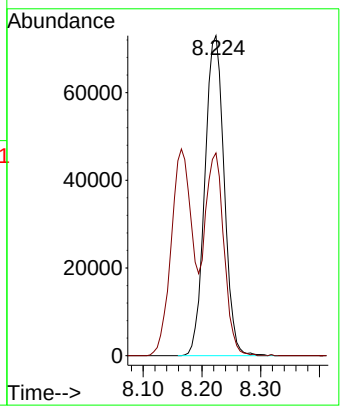




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:168 Resp: 16655

Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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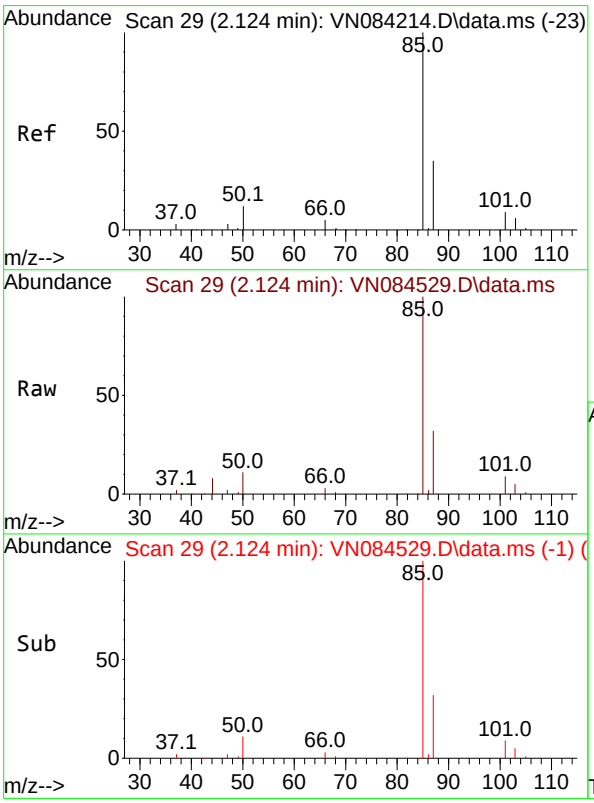
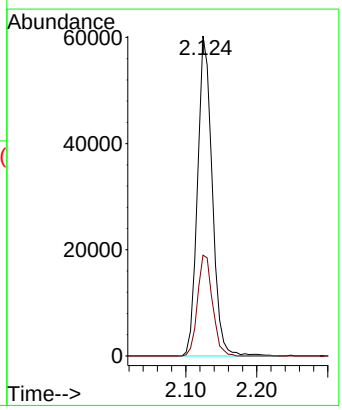
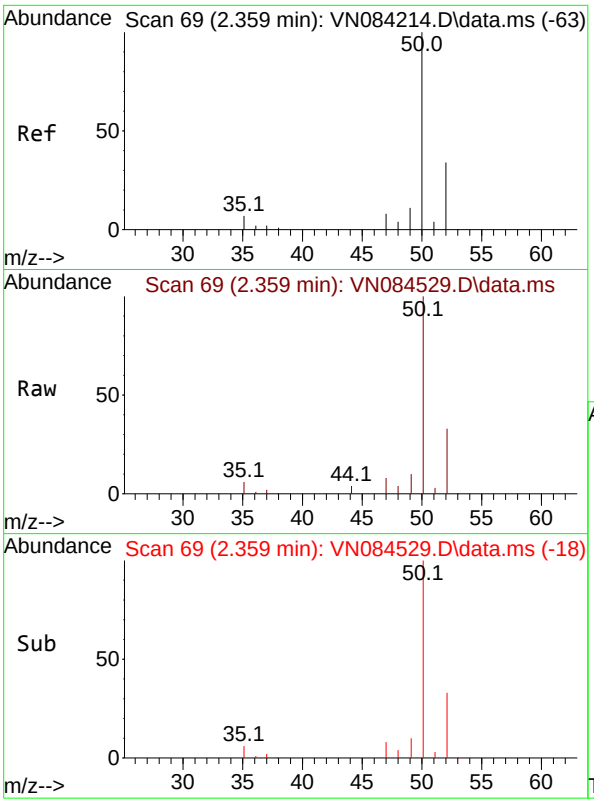


#2
Dichlorodifluoromethane
Concen: 44.030 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 85 Resp: 86744

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9

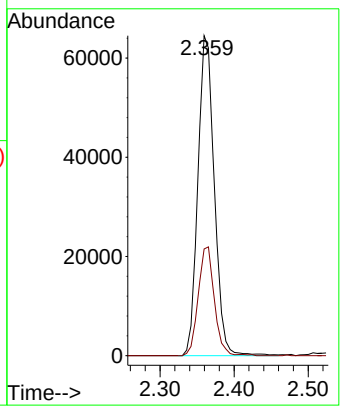




#3
Chloromethane
Concen: 44.241 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 50 Resp: 9952

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
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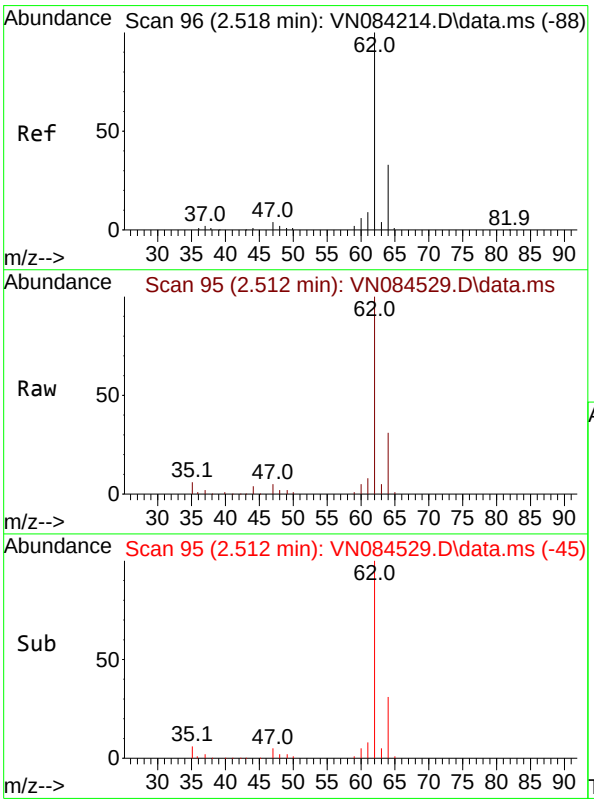
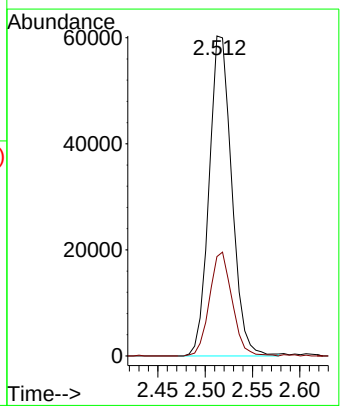
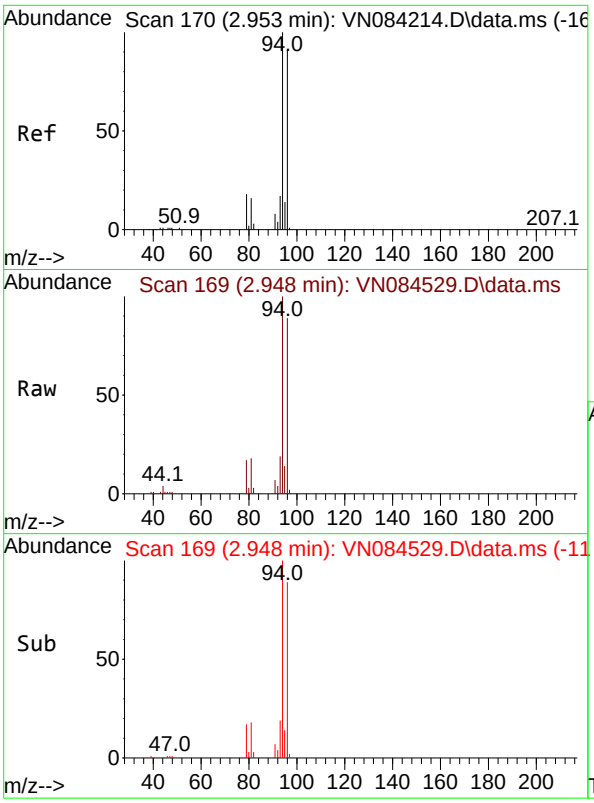


#4
Vinyl Chloride
Concen: 46.108 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 62 Resp: 100469

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4

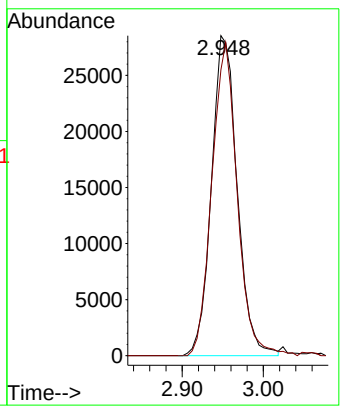




#5
Bromomethane
Concen: 43.757 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 94 Resp: 6289

Ion	Ratio	Lower	Upper
94	100		
96	89.3	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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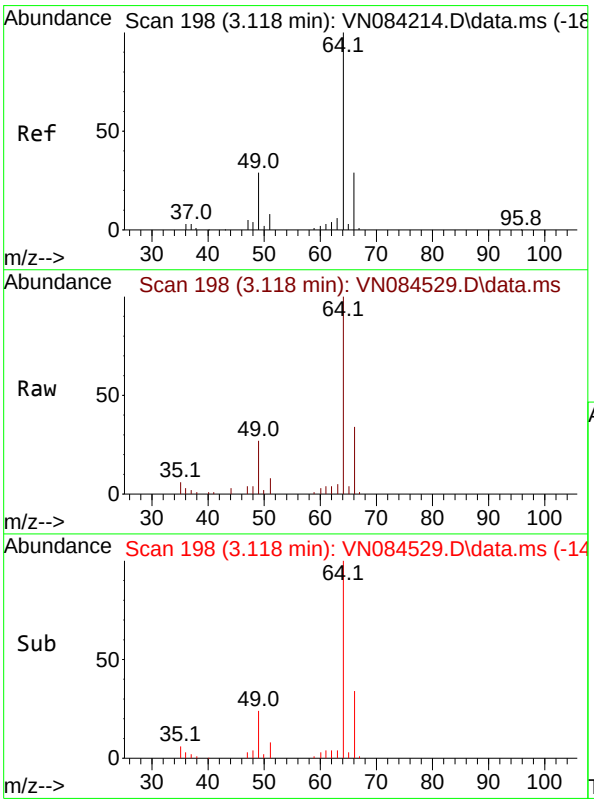
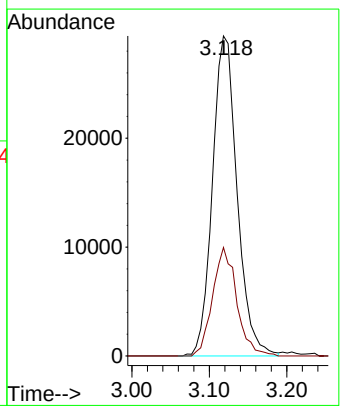
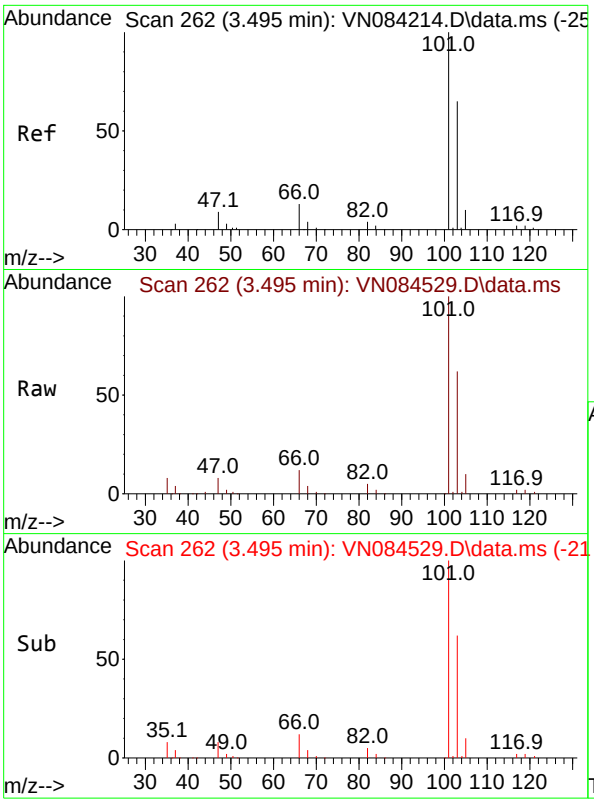


#6
Chloroethane
Concen: 41.705 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 64 Resp: 65082

Ion	Ratio	Lower	Upper
64	100		
66	33.9	23.5	35.3





#7
Trichlorofluoromethane
Concen: 50.308 ug/l
RT: 3.495 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:101 Resp: 170700

Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.8	77.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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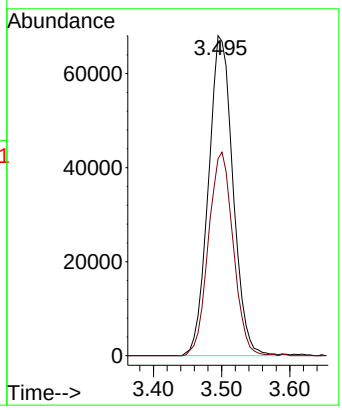
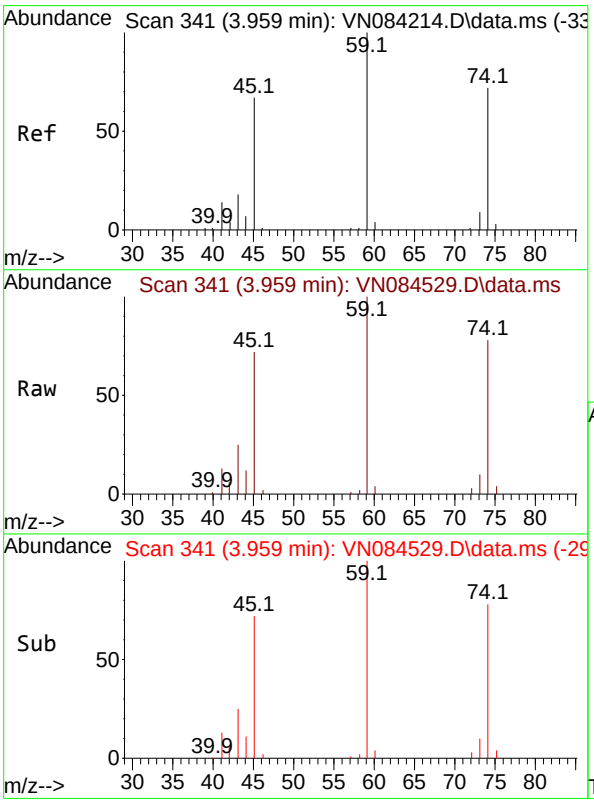
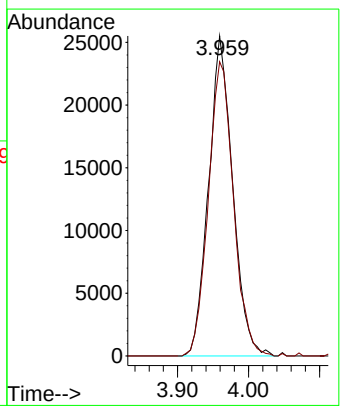


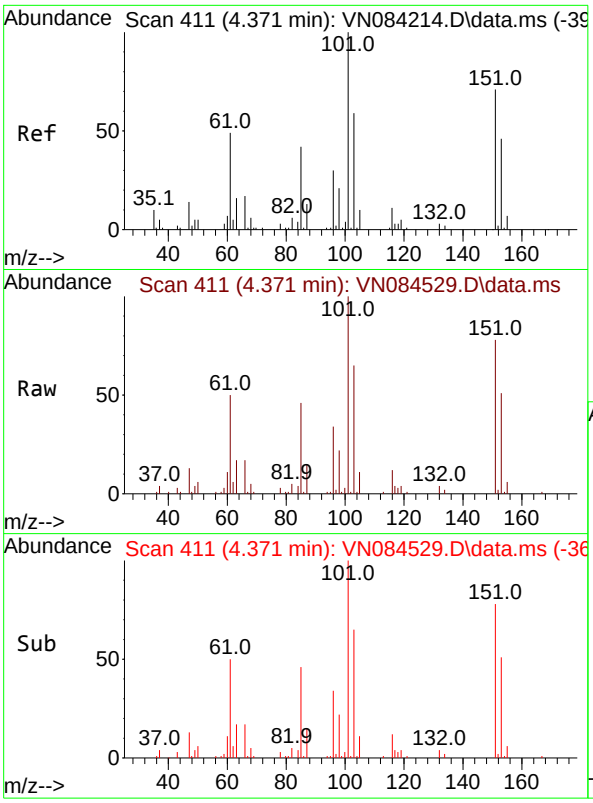


#8
Diethyl Ether
Concen: 47.781 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 74 Resp: 60129

Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.7	143.1

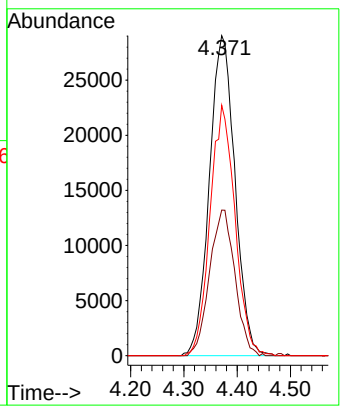




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.851 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

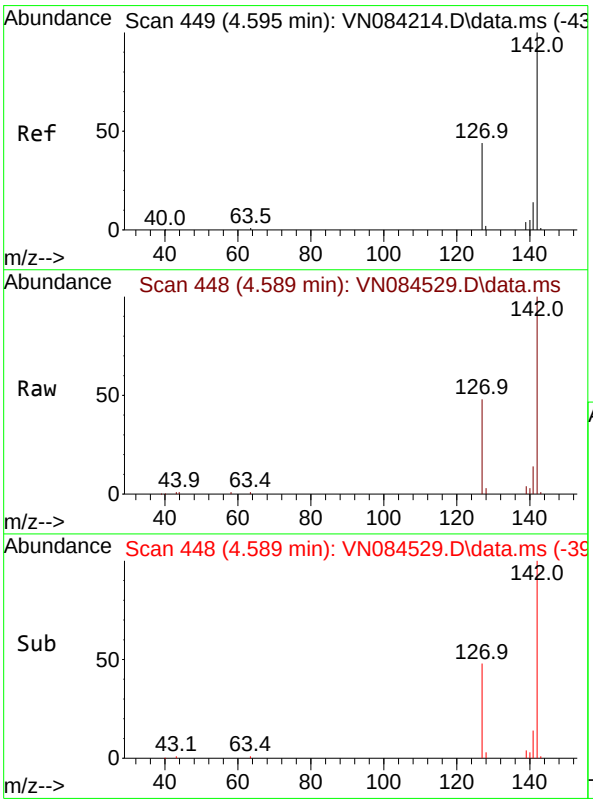
Tgt Ion:101 Resp: 9692

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.4
151	76.3	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

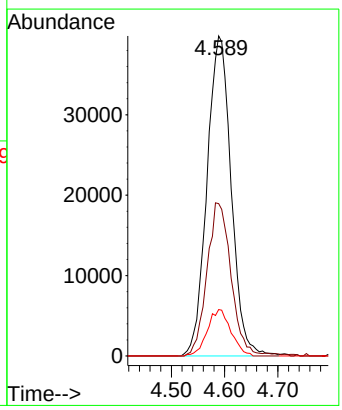
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

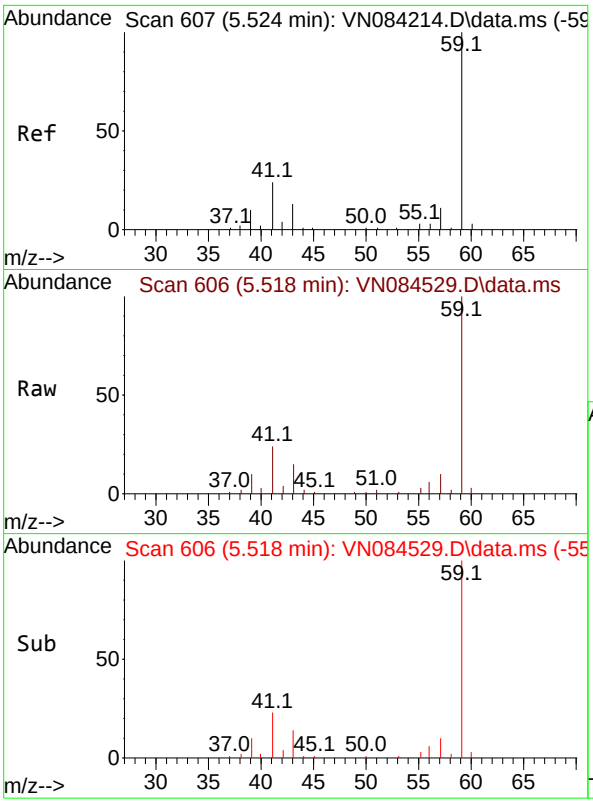


#10
Methyl Iodide
Concen: 50.113 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:142 Resp: 125472

Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.3	52.9
141	14.5	11.0	16.6





#11
Tert butyl alcohol
Concen: 233.770 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

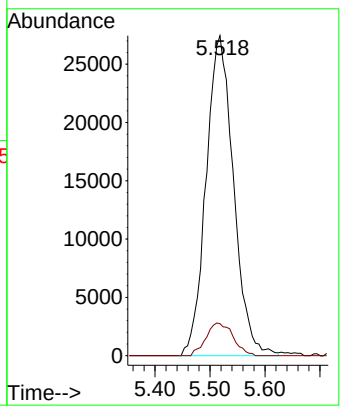
Tgt Ion: 59 Resp: 9519

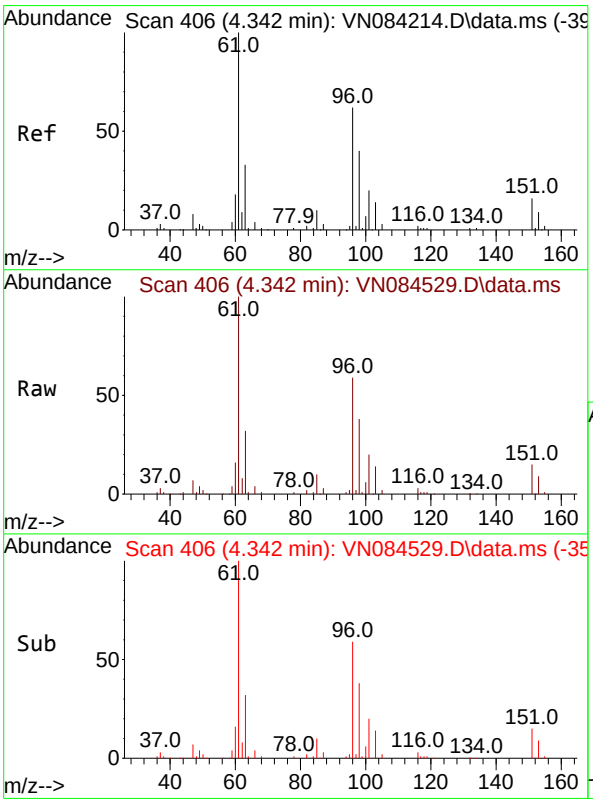
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

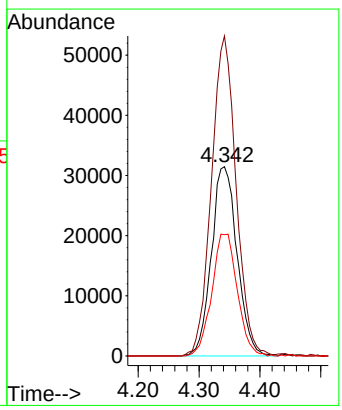


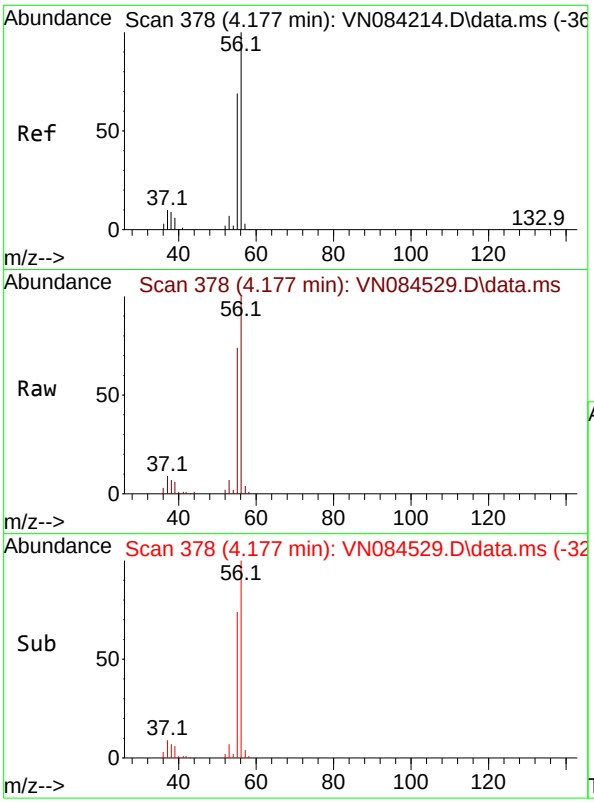


#12
1,1-Dichloroethene
Concen: 49.207 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 96 Resp: 92279

Ion	Ratio	Lower	Upper
96	100		
61	169.0	128.6	192.8
98	64.0	51.7	77.5

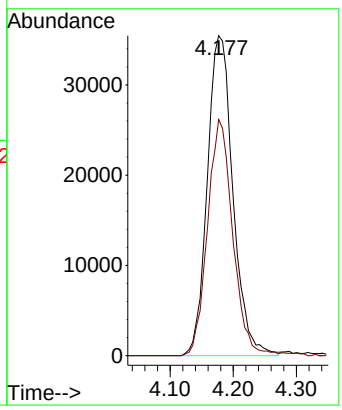




#13
Acrolein
Concen: 214.094 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 56 Resp: 10008

Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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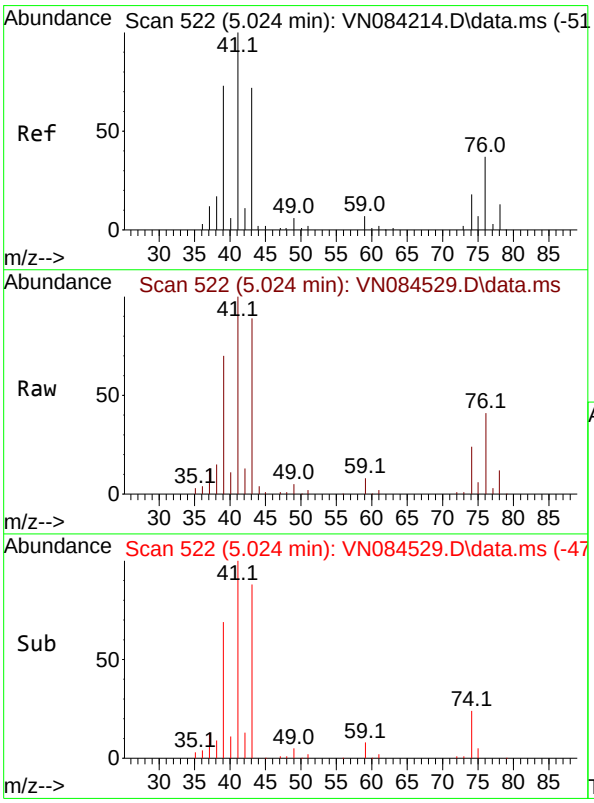
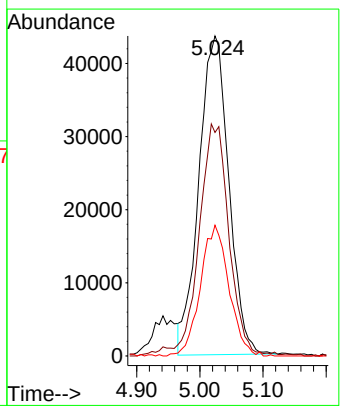
Supervised By :Semsettin Yesilyurt 10/29/2024

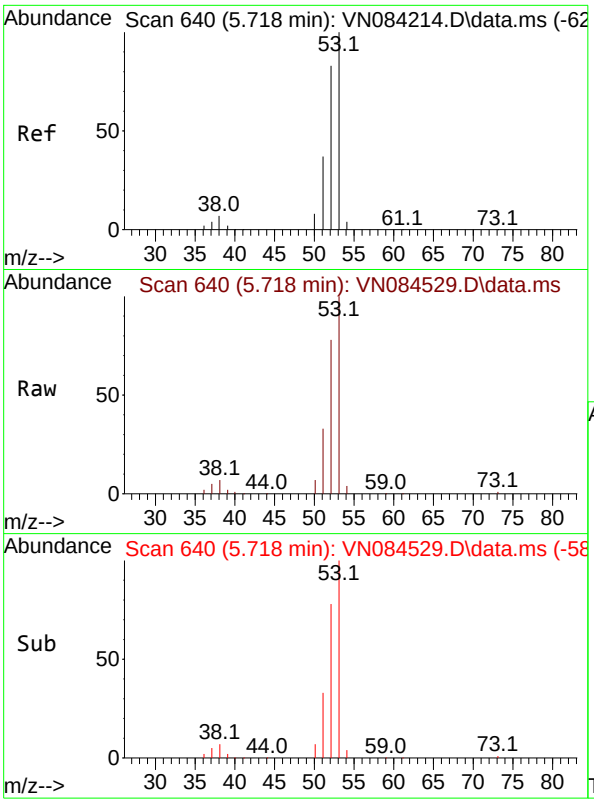


#14
Allyl chloride
Concen: 44.018 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 41 Resp: 143362

Ion	Ratio	Lower	Upper
41	100		
39	73.2	59.0	88.6
76	39.2	29.8	44.6

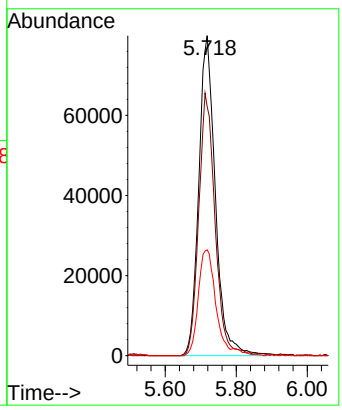




#15
Acrylonitrile
Concen: 253.406 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 53 Resp: 26057

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	34.2	28.8	43.2



Instrument :
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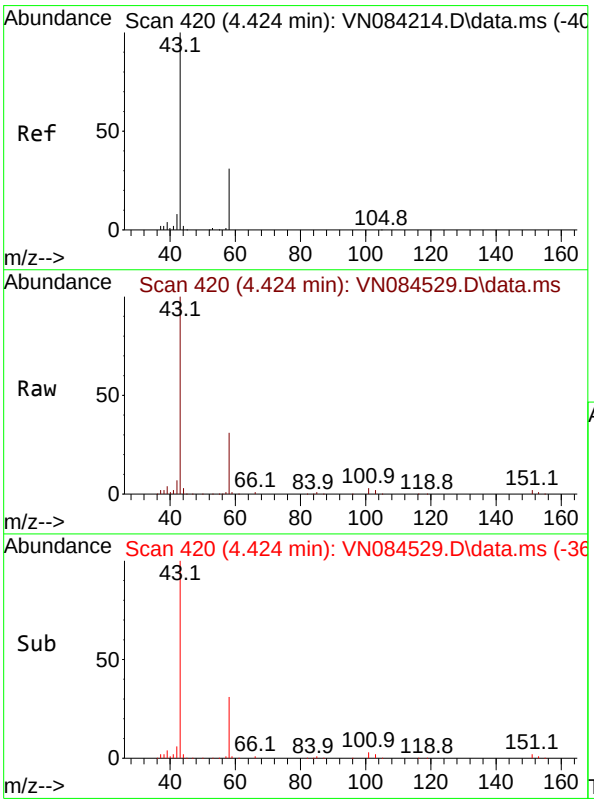
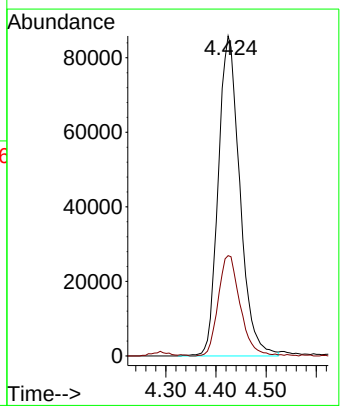
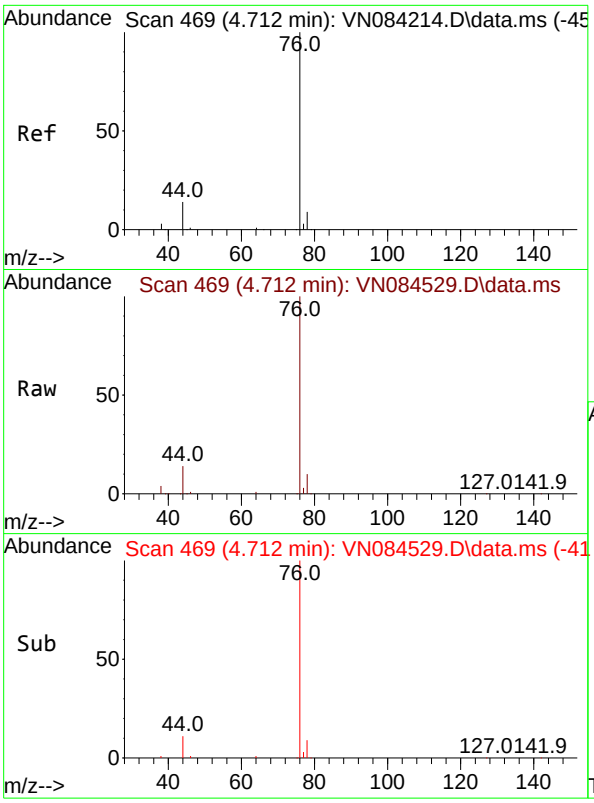


#16
Acetone
Concen: 241.898 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 256618

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.4	36.6

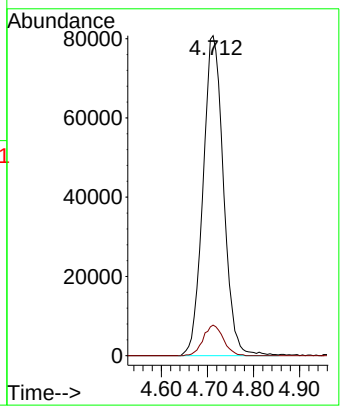




#17
Carbon Disulfide
Concen: 42.104 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 76 Resp: 24998

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9



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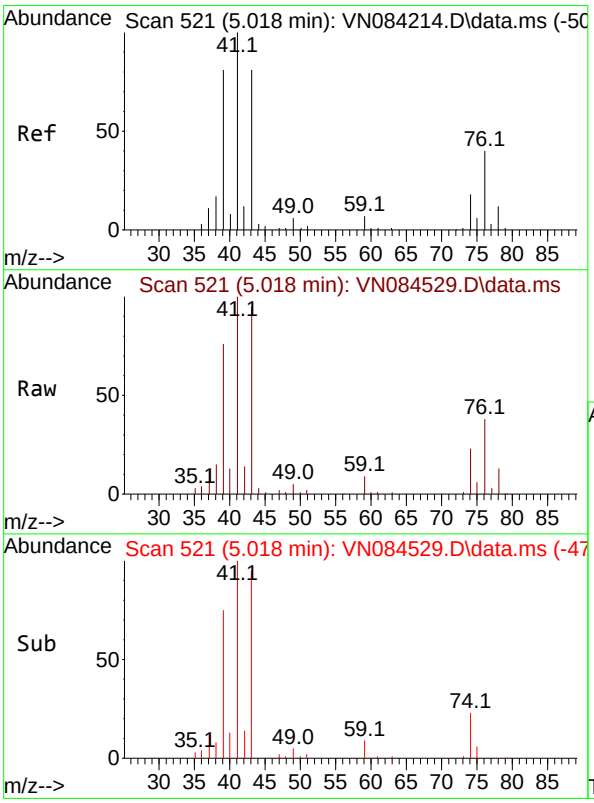
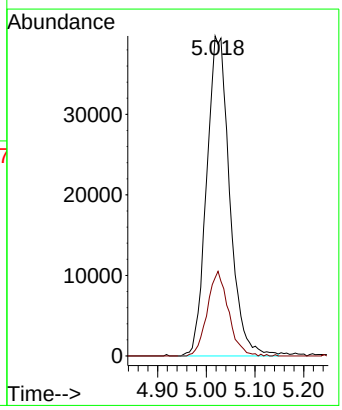
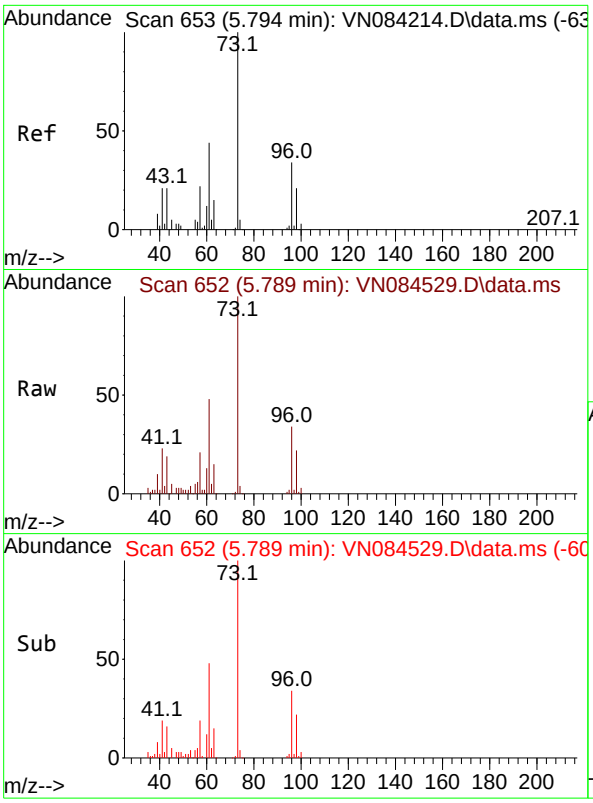


#18
Methyl Acetate
Concen: 56.337 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 130262

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

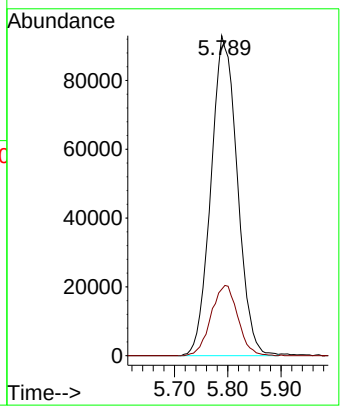




#19
Methyl tert-butyl Ether
Concen: 50.500 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 73 Resp: 31964

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
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ClientSampleId :
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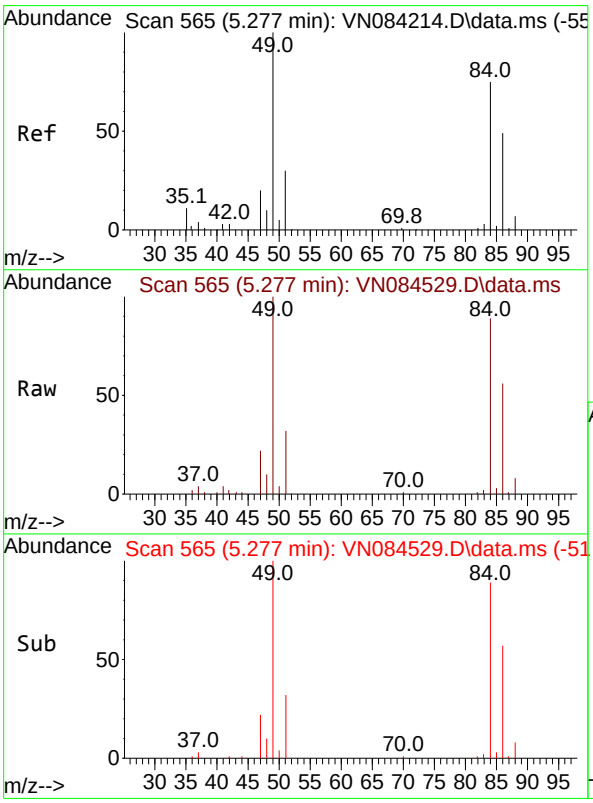
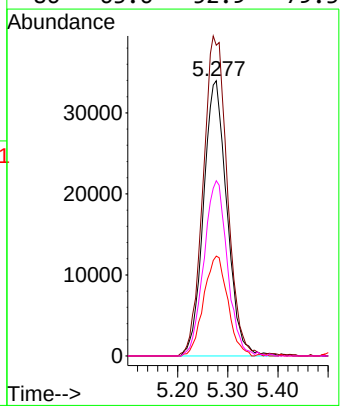
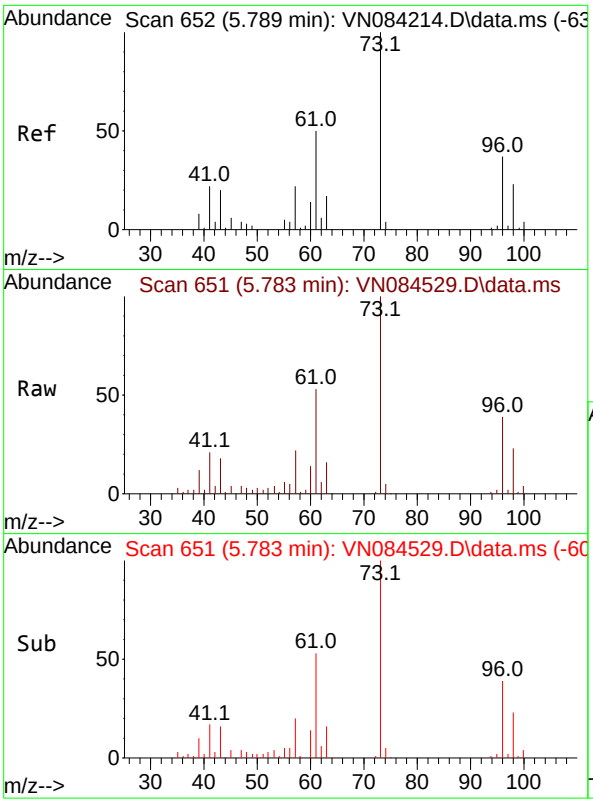


#20
Methylene Chloride
Concen: 51.242 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 84 Resp: 110503

Ion	Ratio	Lower	Upper
84	100		
49	112.9	107.2	160.8
51	36.3	31.8	47.8
86	63.6	52.9	79.3





#21
trans-1,2-Dichloroethene
Concen: 51.425 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 96 Resp: 10103

Ion	Ratio	Lower	Upper
96	100		
61	134.6	108.4	162.6
98	59.7	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
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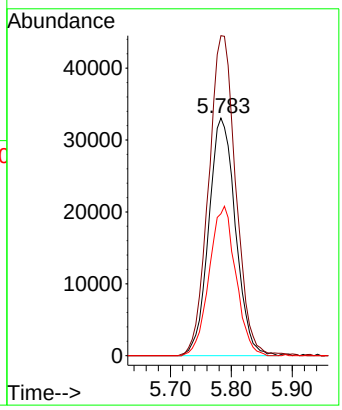
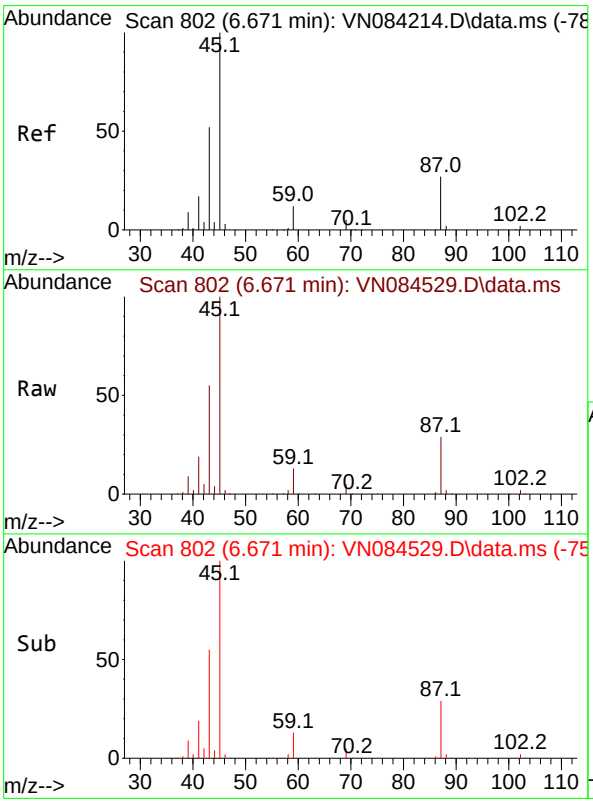
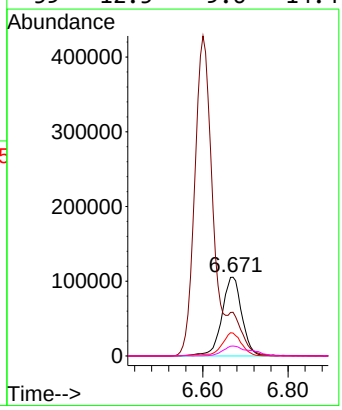


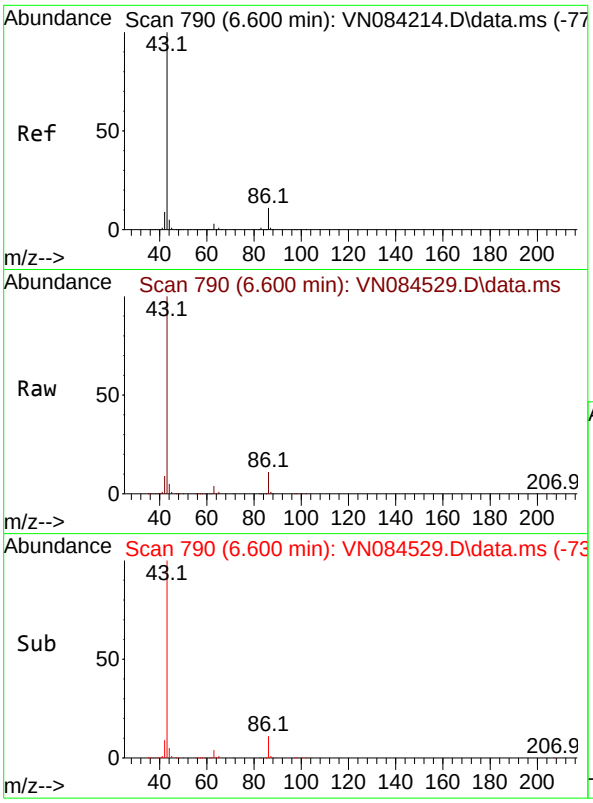


#22
Diisopropyl ether
Concen: 50.724 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 45 Resp: 341716

Ion	Ratio	Lower	Upper
45	100		
43	54.6	42.3	63.5
87	29.2	21.8	32.6
59	12.5	9.6	14.4

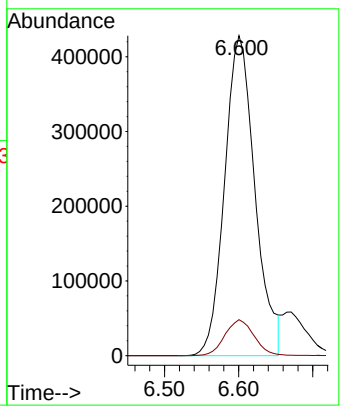




#23
Vinyl Acetate
Concen: 243.938 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 121886

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
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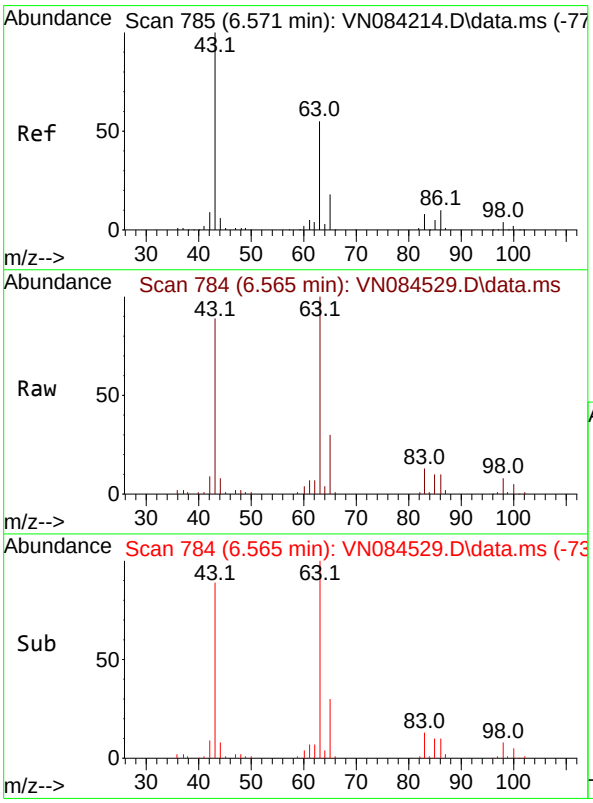
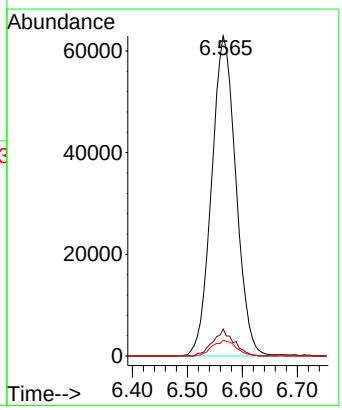
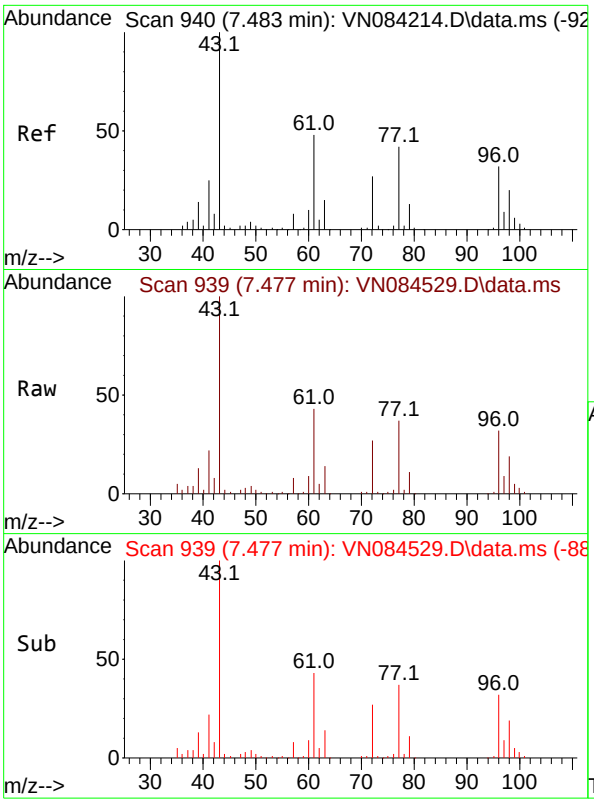


#24
1,1-Dichloroethane
Concen: 51.442 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 63 Resp: 193799

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.4	10.2
100	4.9	2.0	5.8

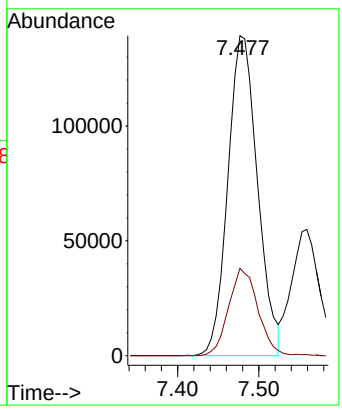




#25
2-Butanone
Concen: 244.937 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 353909

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.2



Instrument :
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ClientSampleId :
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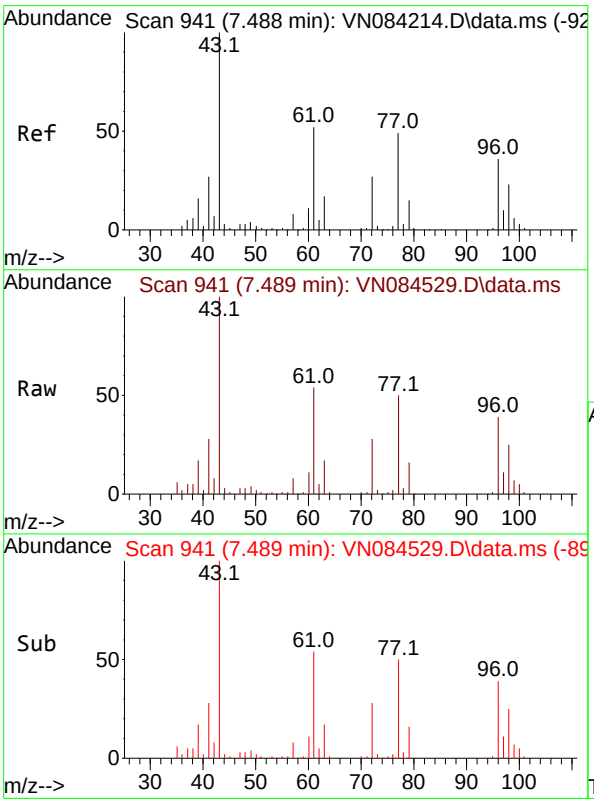
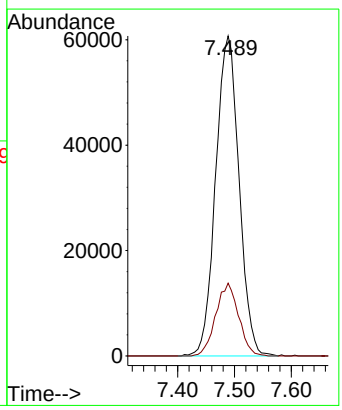
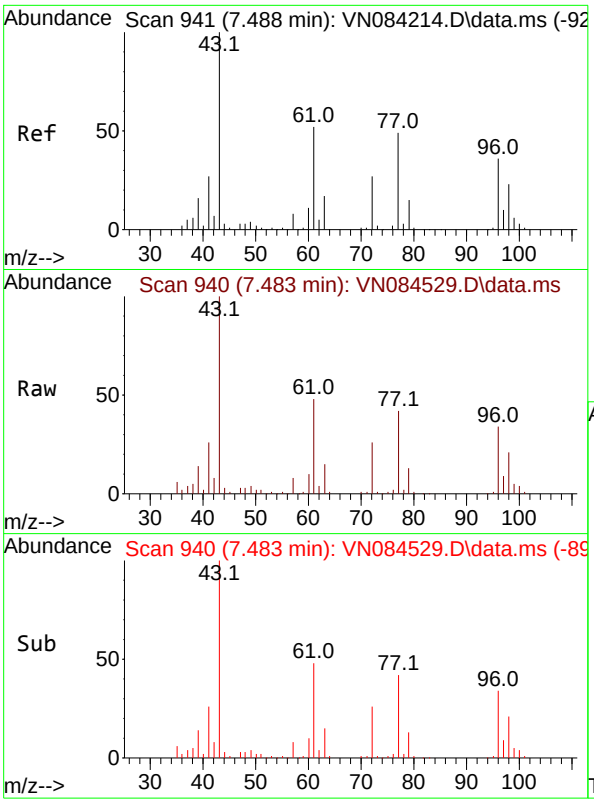


#26
2,2-Dichloropropane
Concen: 51.129 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 77 Resp: 173677

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

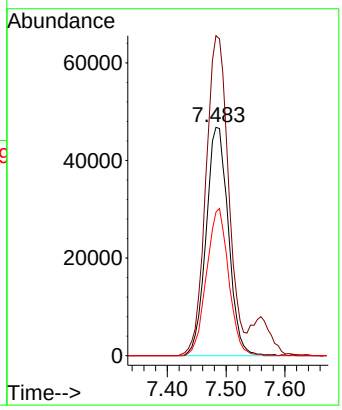




#27
cis-1,2-Dichloroethene
Concen: 51.870 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 96 Resp: 12314

Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	301.8
98	64.0	0.0	128.2



Instrument :
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ClientSampleId :
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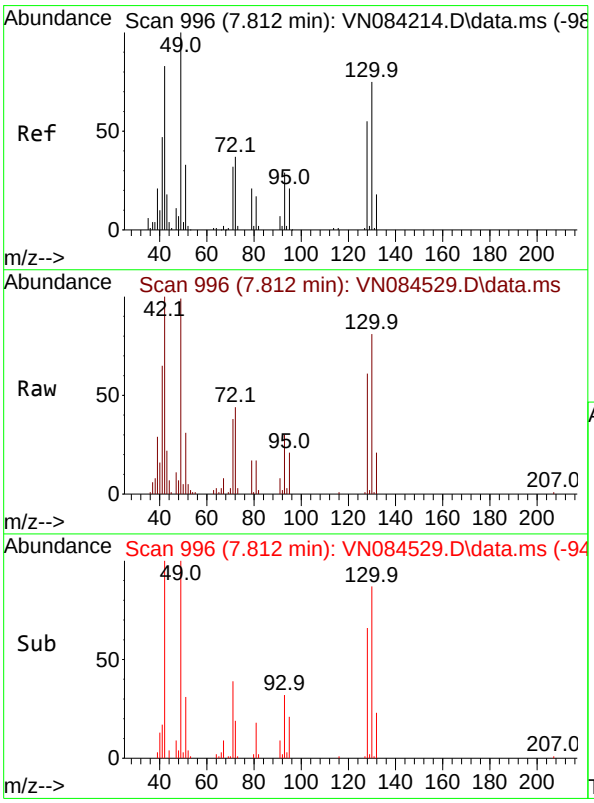
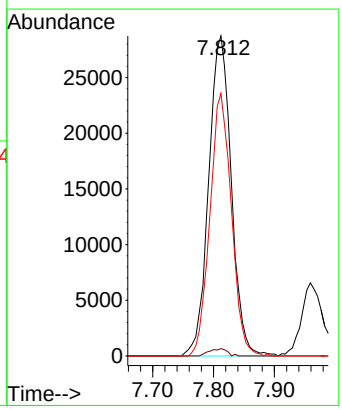
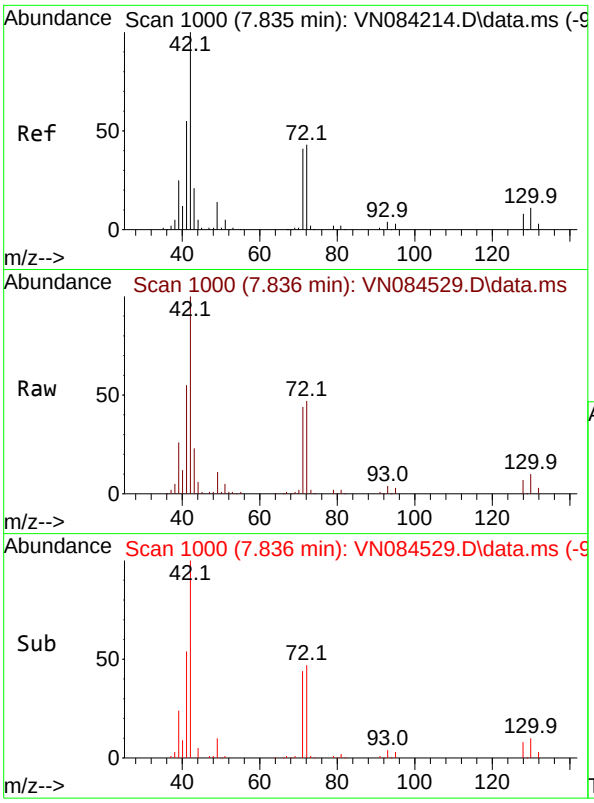


#28
Bromochloromethane
Concen: 44.125 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 49 Resp: 74170

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	77.8	58.0	87.0

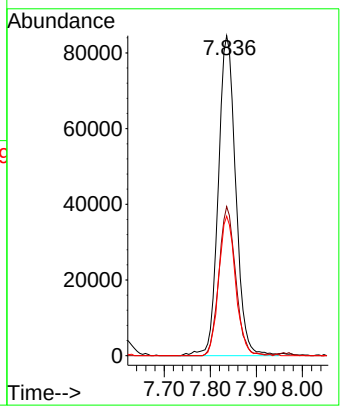




#29
Tetrahydrofuran
Concen: 248.023 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 42 Resp: 22115

Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	42.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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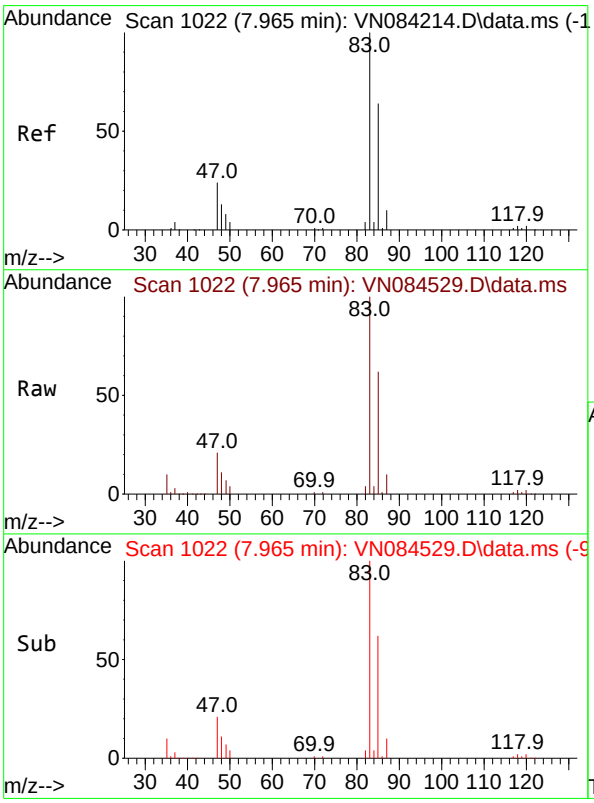
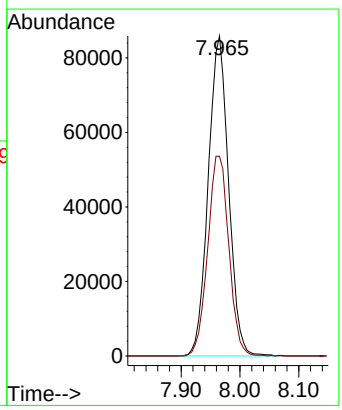
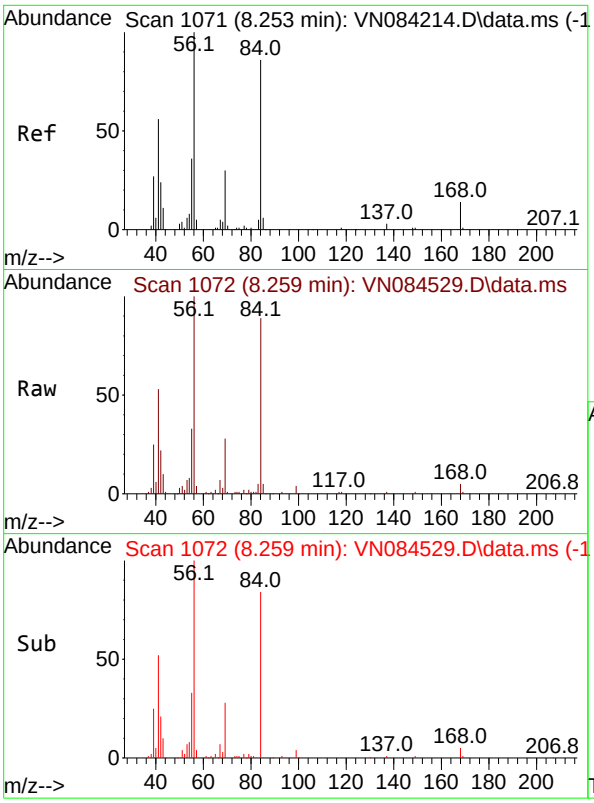


#30
Chloroform
Concen: 52.667 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 83 Resp: 206104

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.4

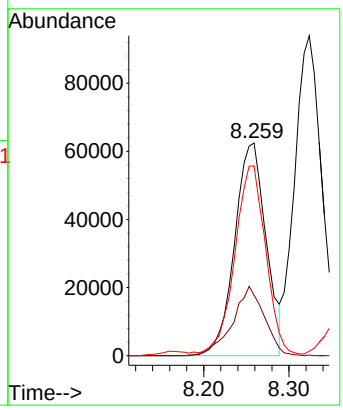




#31
Cyclohexane
Concen: 43.789 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 56 Resp: 16017

Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.8	35.6
84	87.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
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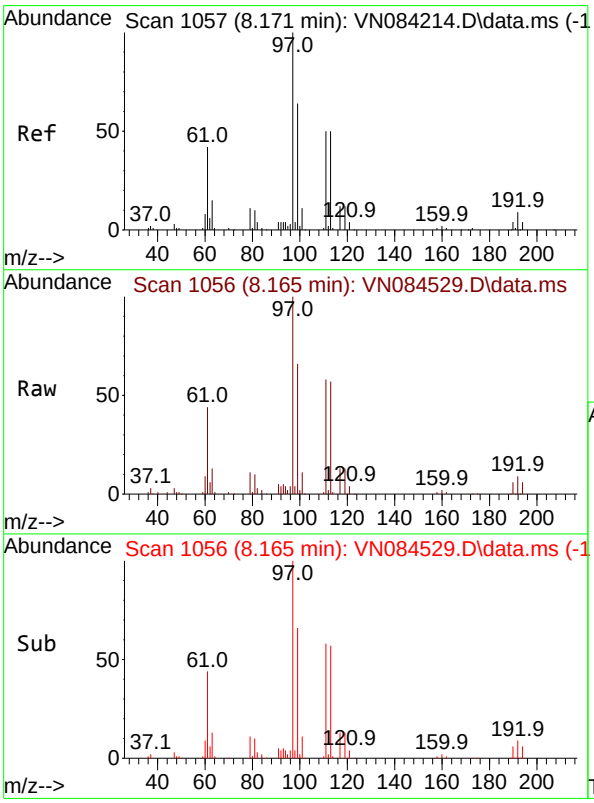
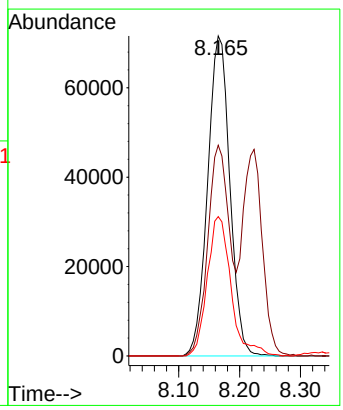
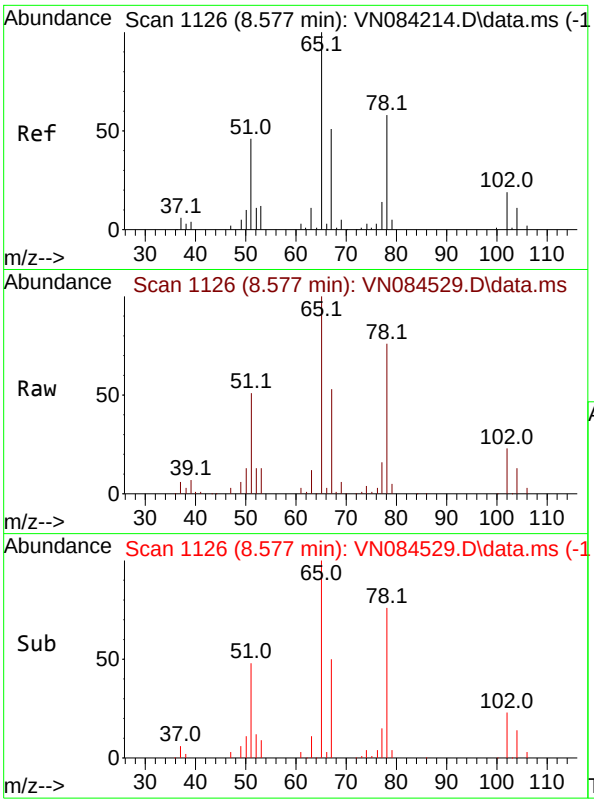


#32
1,1,1-Trichloroethane
Concen: 51.539 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 97 Resp: 181138

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	46.7	37.5	56.3

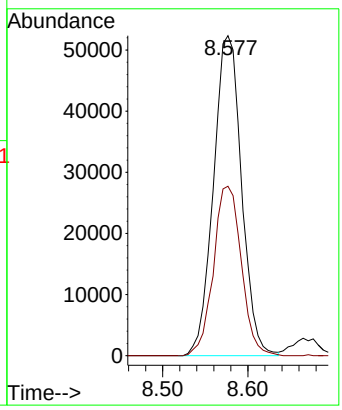




#33
1,2-Dichloroethane-d4
Concen: 48.647 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 65 Resp: 12013

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



Instrument :
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ClientSampleId :
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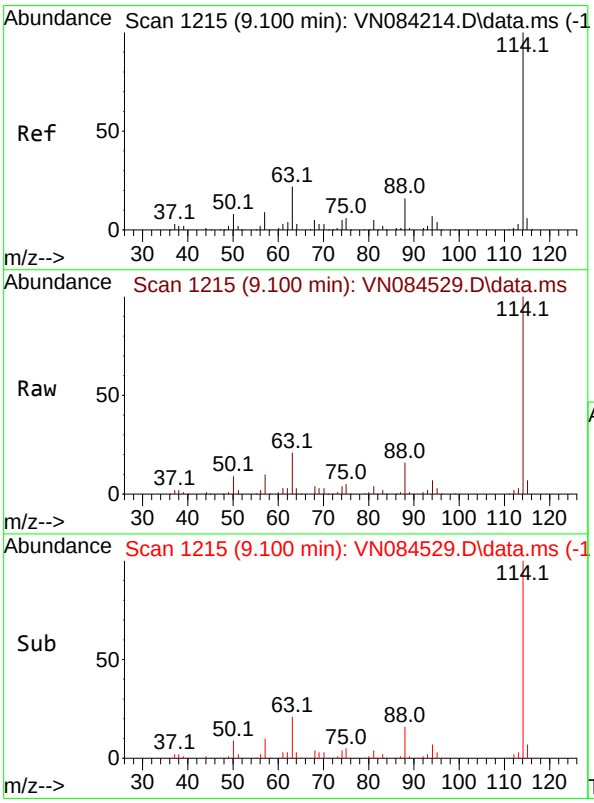
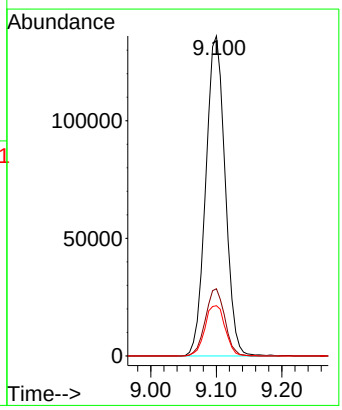
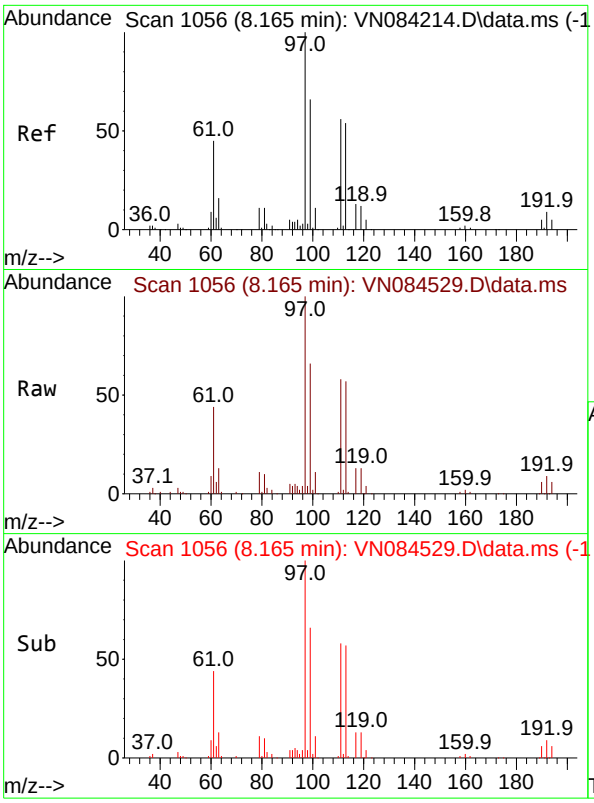


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:114 Resp: 279237

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	15.7	0.0	31.6

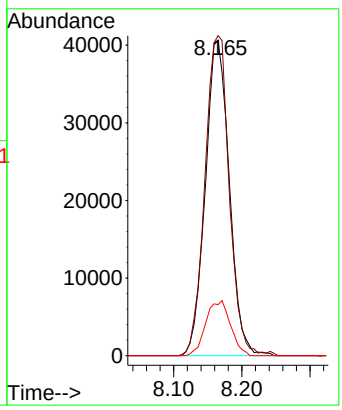




#35
Dibromofluoromethane
Concen: 54.074 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:113 Resp: 9954

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.0	13.5	20.3



Instrument :
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ClientSampleId :
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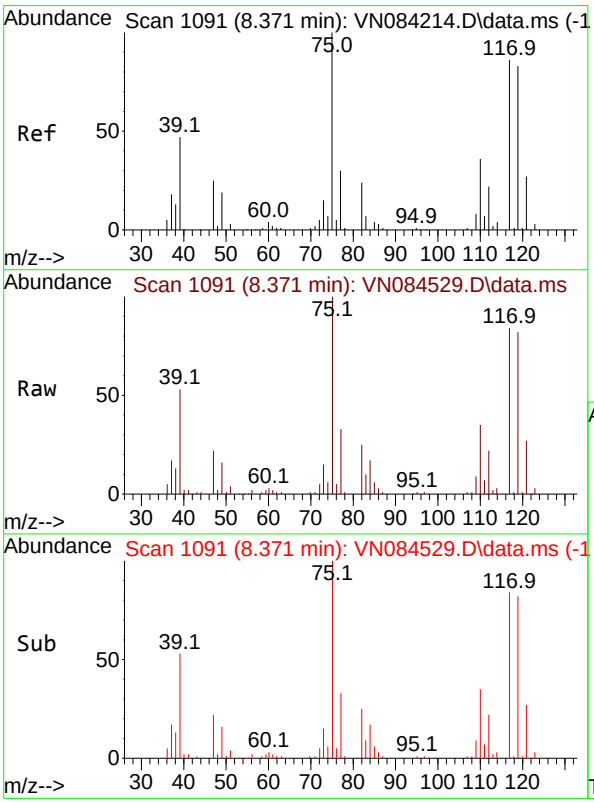
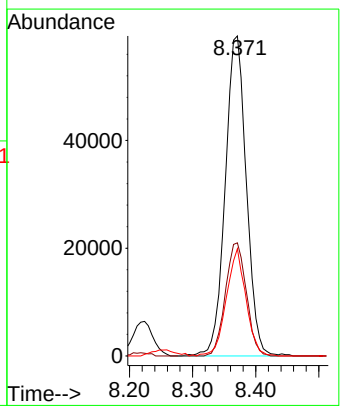
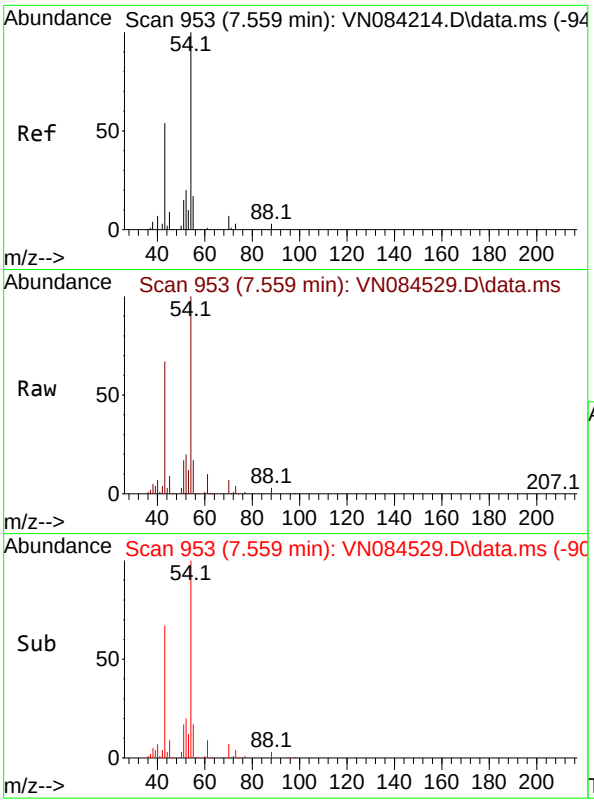


#36
1,1-Dichloropropene
Concen: 51.657 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 138130

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	31.1	24.7	37.1





#37
Ethyl Acetate
Concen: 49.664 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 13624

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	11.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
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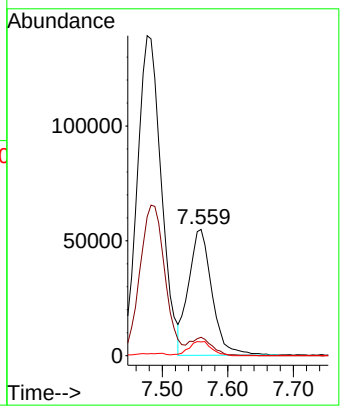
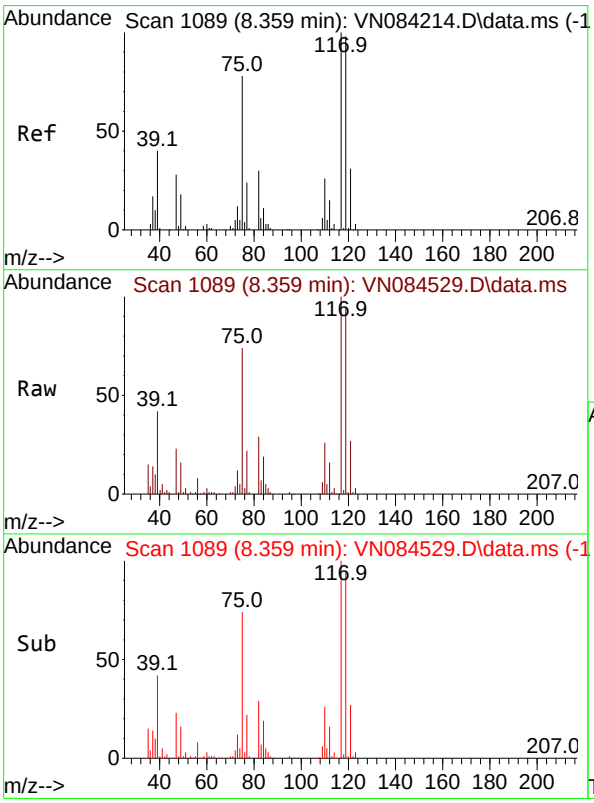
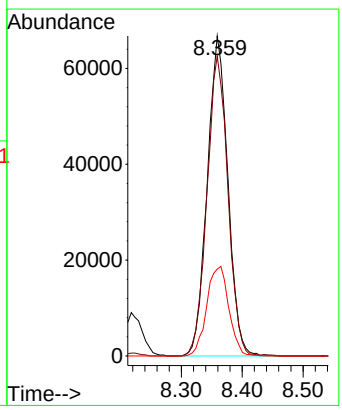


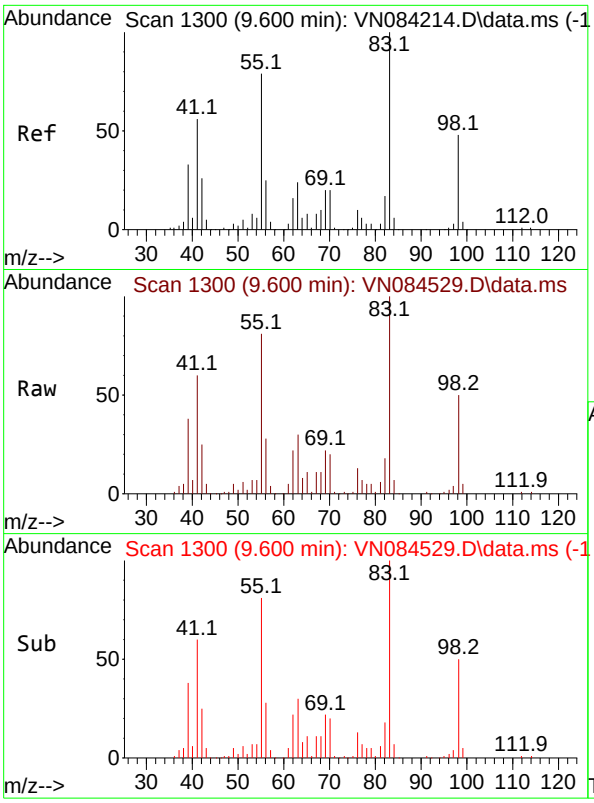


#38
Carbon Tetrachloride
Concen: 53.573 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:117 Resp: 157140

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.7	118.1
121	27.1	24.4	36.6

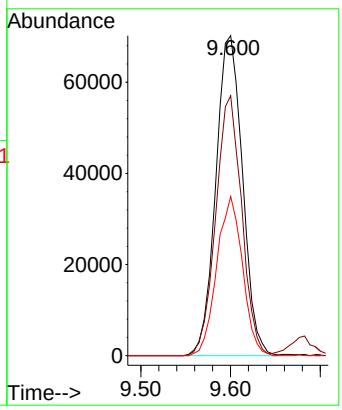




#39
Methylcyclohexane
Concen: 48.754 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 83 Resp: 14509

Ion	Ratio	Lower	Upper
83	100		
55	81.2	62.8	94.2
98	49.8	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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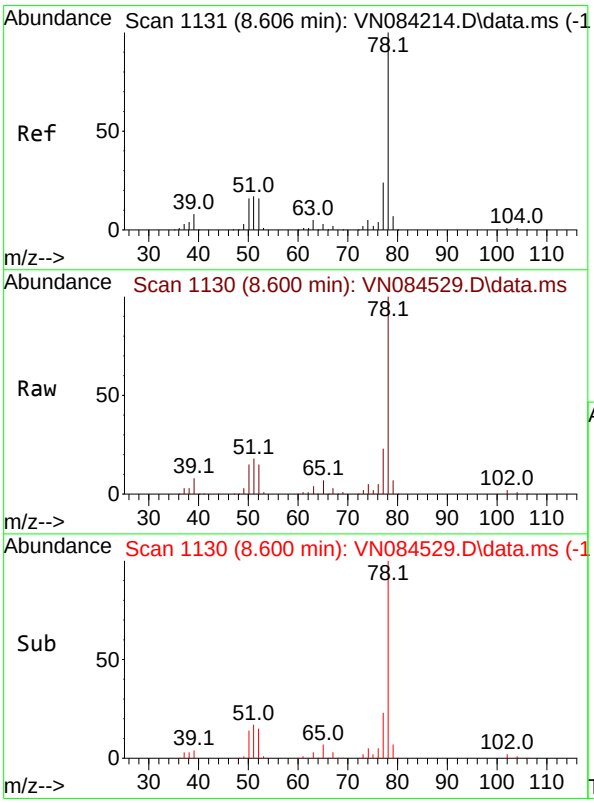
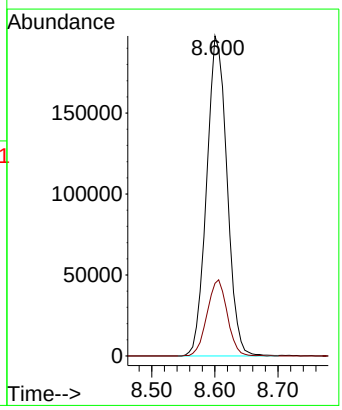
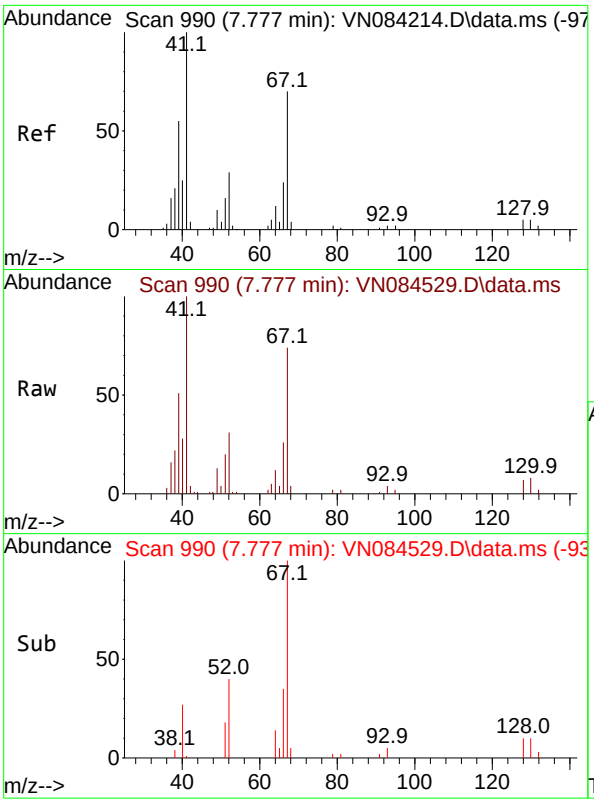


#40
Benzene
Concen: 53.118 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 78 Resp: 442533

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7

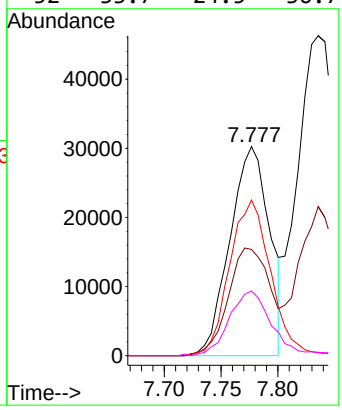




#41
Methacrylonitrile
Concen: 49.298 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 41 Resp: 7341

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.3	64.9
67	77.2	56.1	84.1
52	33.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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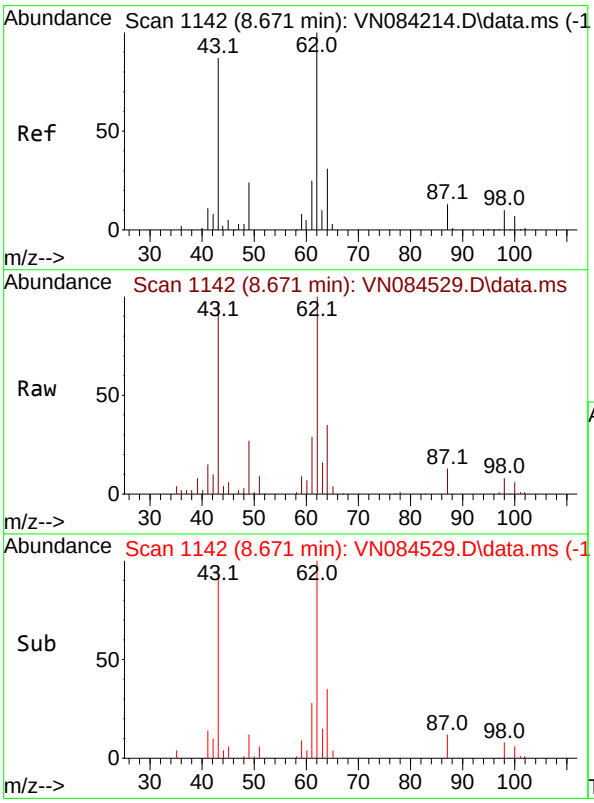
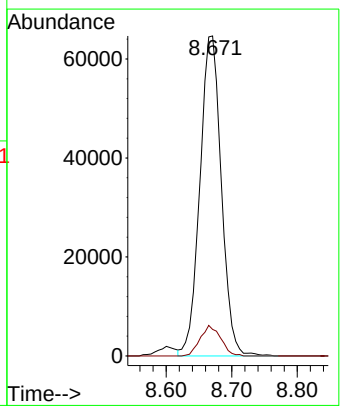
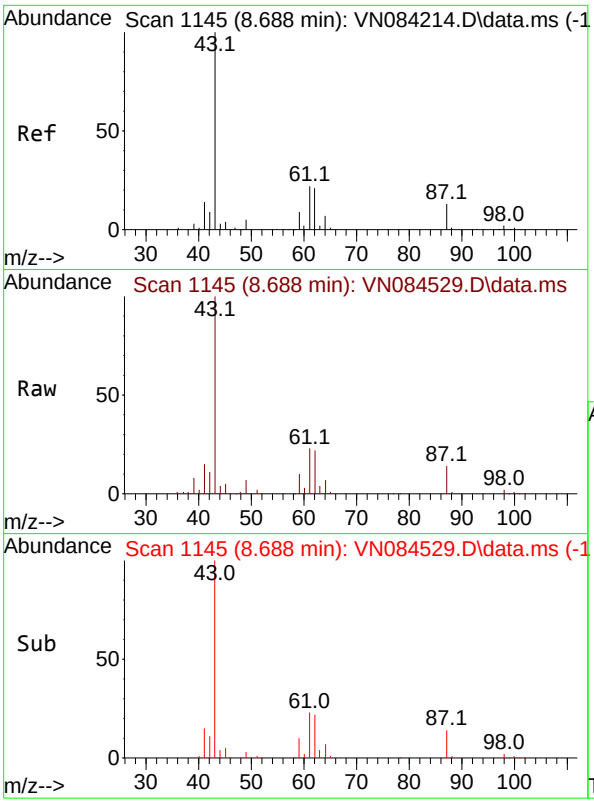


#42
1,2-Dichloroethane
Concen: 52.174 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 62 Resp: 147360

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

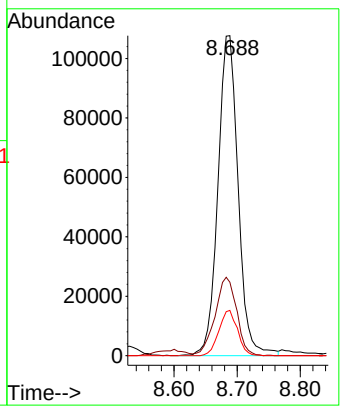




#43
Isopropyl Acetate
Concen: 44.533 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 23928

Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.4	30.6
87	13.0	10.3	15.5



Instrument :
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ClientSampleId :
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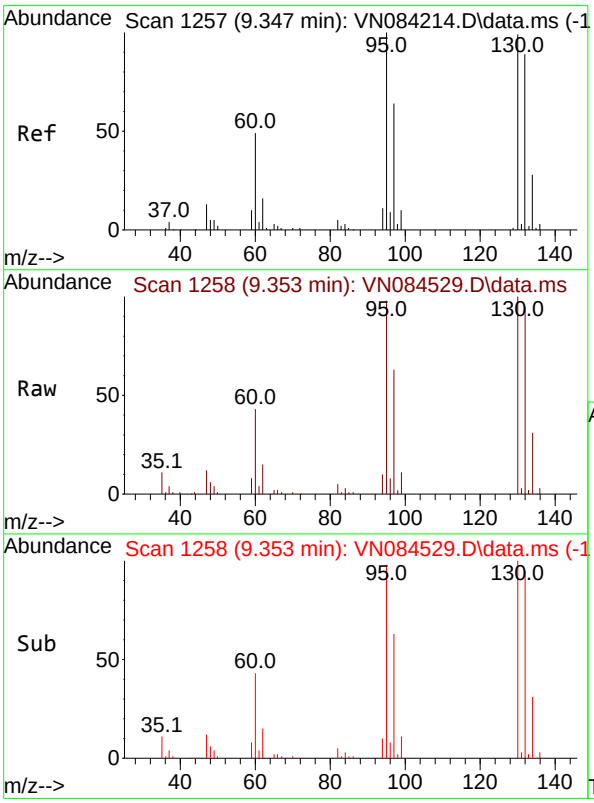
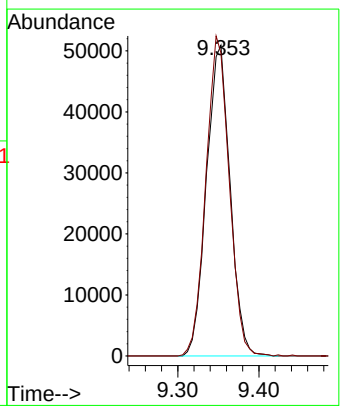
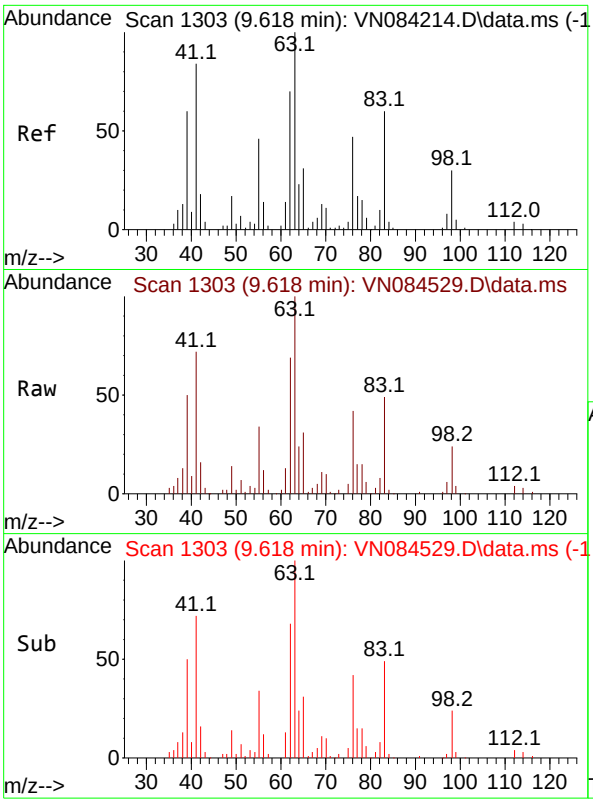


#44
Trichloroethene
Concen: 52.851 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:130 Resp: 102839

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	203.0

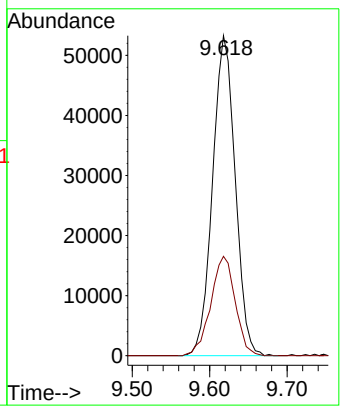




#45
1,2-Dichloropropane
Concen: 54.856 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 63 Resp: 10811

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	37.0



Instrument :
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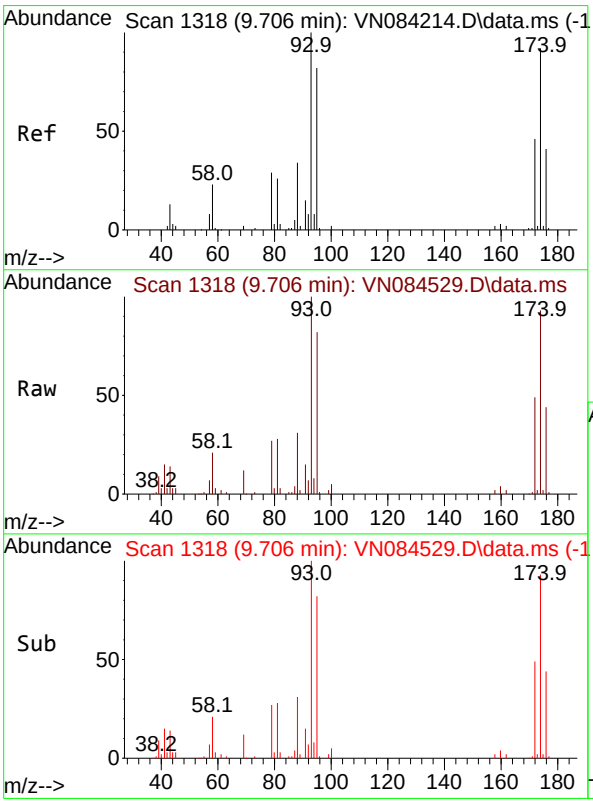
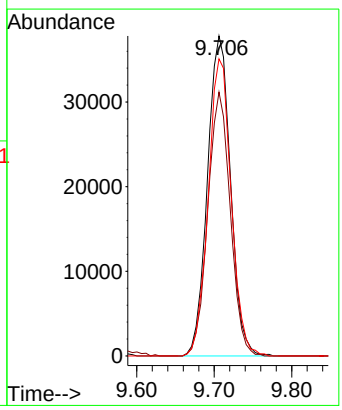
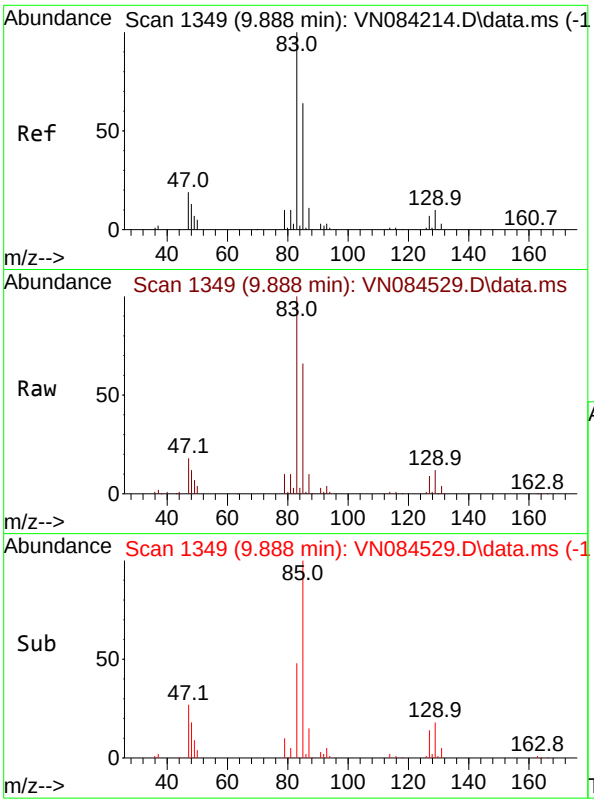


#46
Dibromomethane
Concen: 58.923 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 93 Resp: 78367

Ion	Ratio	Lower	Upper
93	100		
95	80.3	65.0	97.4
174	92.5	71.8	107.8

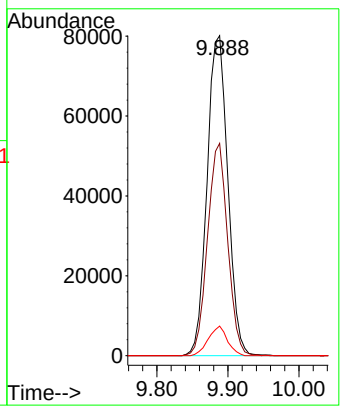




#47
Bromodichloromethane
Concen: 54.959 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 83 Resp: 16239

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	9.3	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
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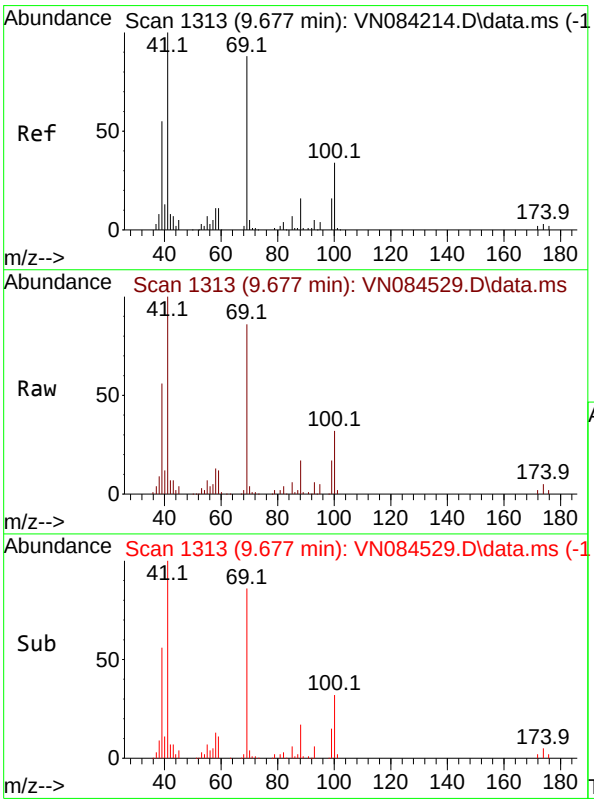
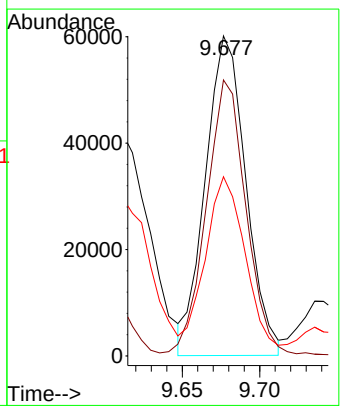
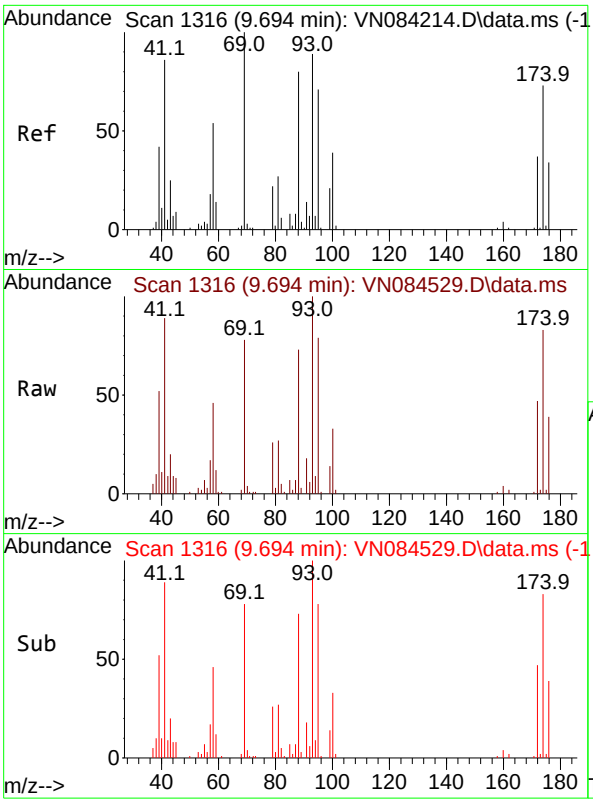


#48
Methyl methacrylate
Concen: 51.072 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 41 Resp: 109240

Ion	Ratio	Lower	Upper
41	100		
69	85.7	67.1	100.7
39	56.7	45.8	68.6





#49
1,4-Dioxane
Concen: 1018.632 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 88 Resp: 4011

Ion	Ratio	Lower	Upper
88	100		
43	26.9	25.3	37.9
58	69.0	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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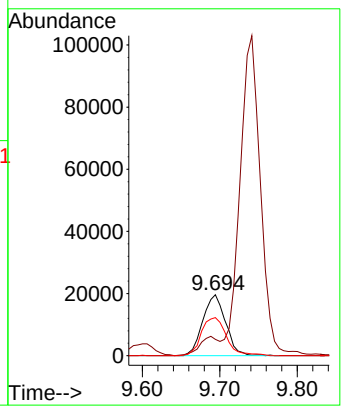
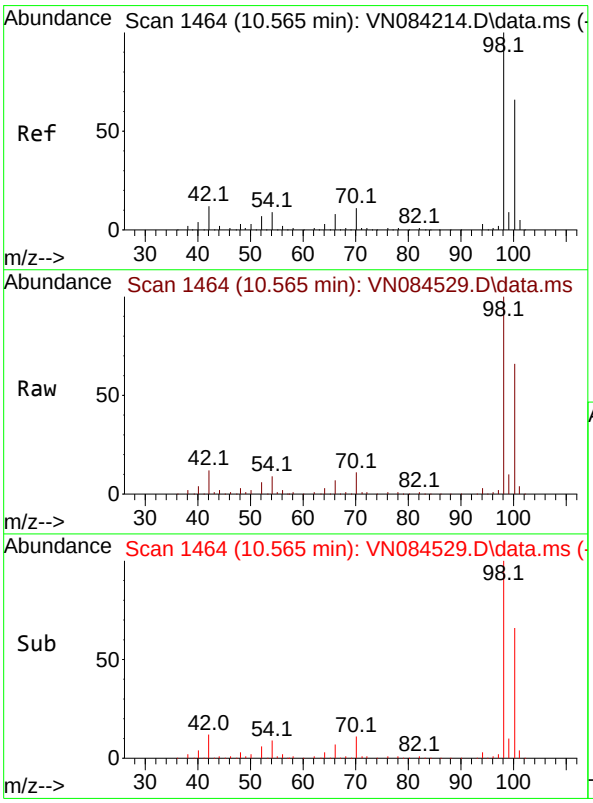
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

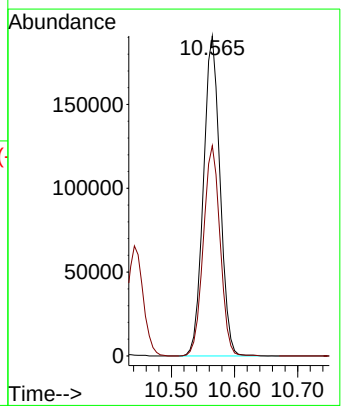


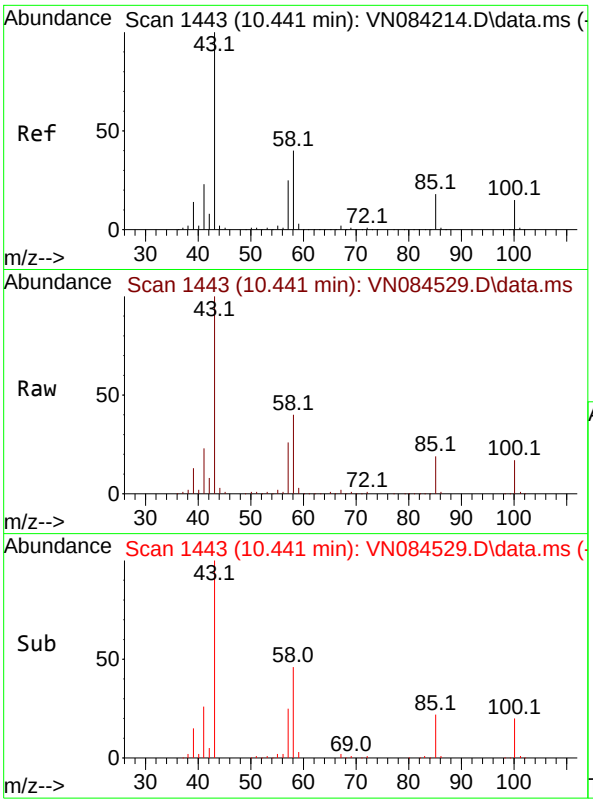


#50
Toluene-d8
Concen: 51.331 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 98 Resp: 347657

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 268.706 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 70172

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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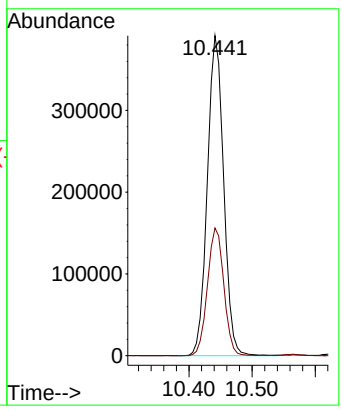
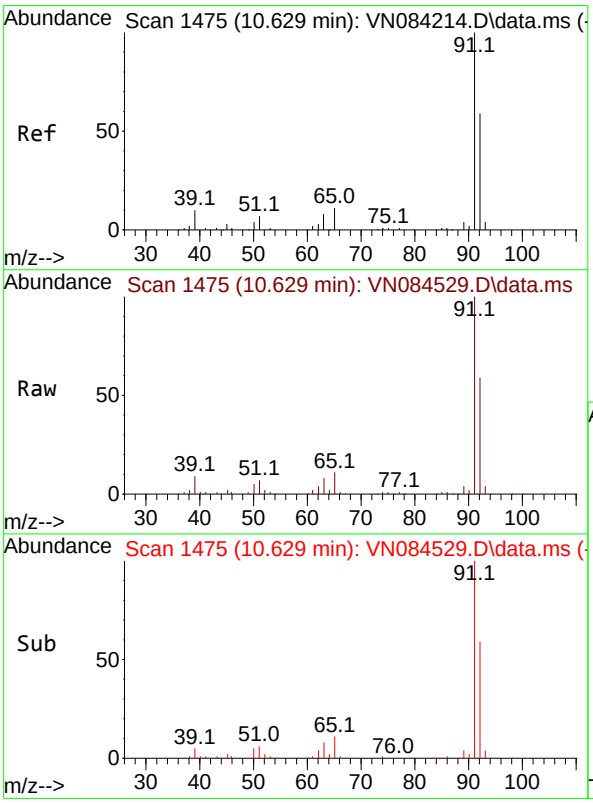
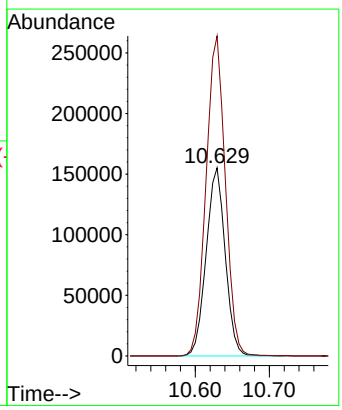


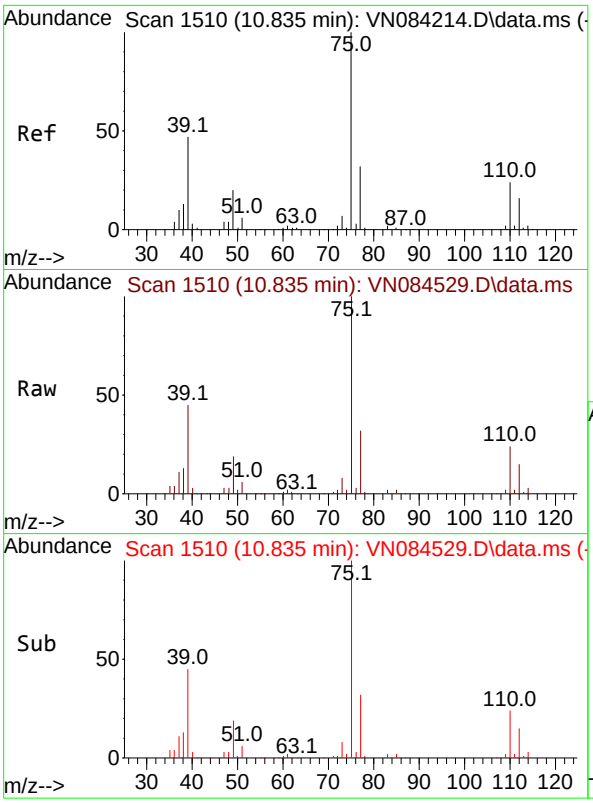


#52
Toluene
Concen: 54.461 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 92 Resp: 276685

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.3	205.9





#53
t-1,3-Dichloropropene
Concen: 53.765 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 16194

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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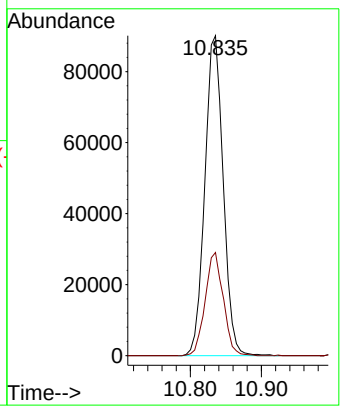
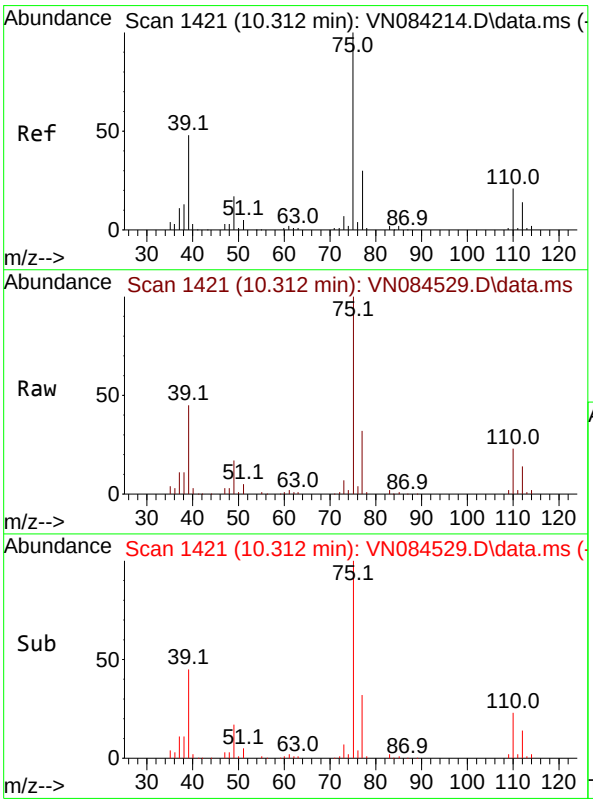
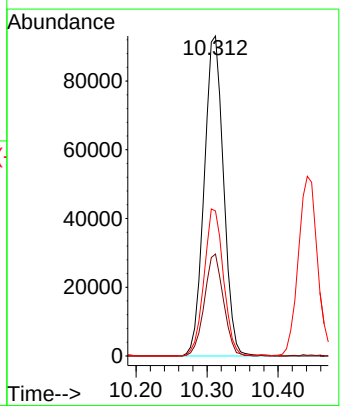


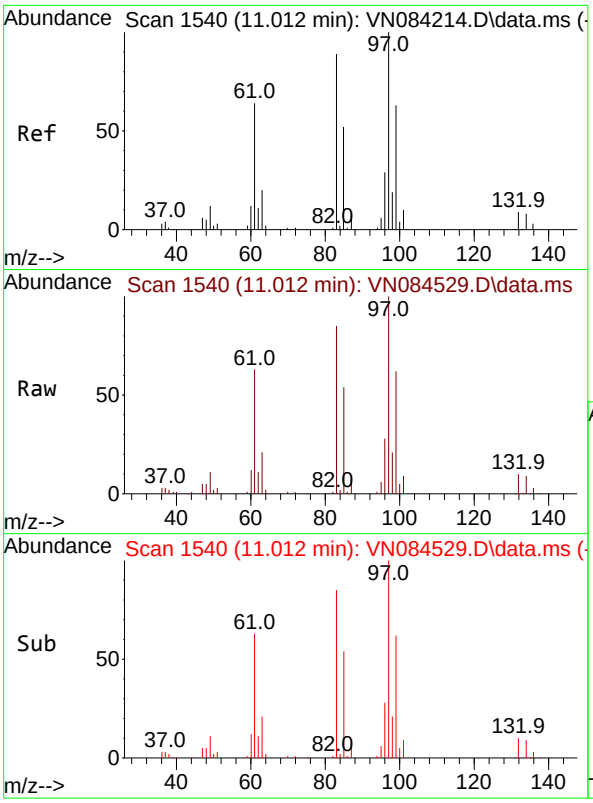


#54
cis-1,3-Dichloropropene
Concen: 54.508 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 176595

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2
39	45.3	38.7	58.1

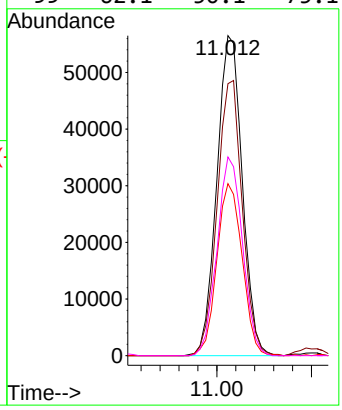




#55
1,1,2-Trichloroethane
Concen: 57.934 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 97 Resp: 10551

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	53.8	41.7	62.5
99	62.1	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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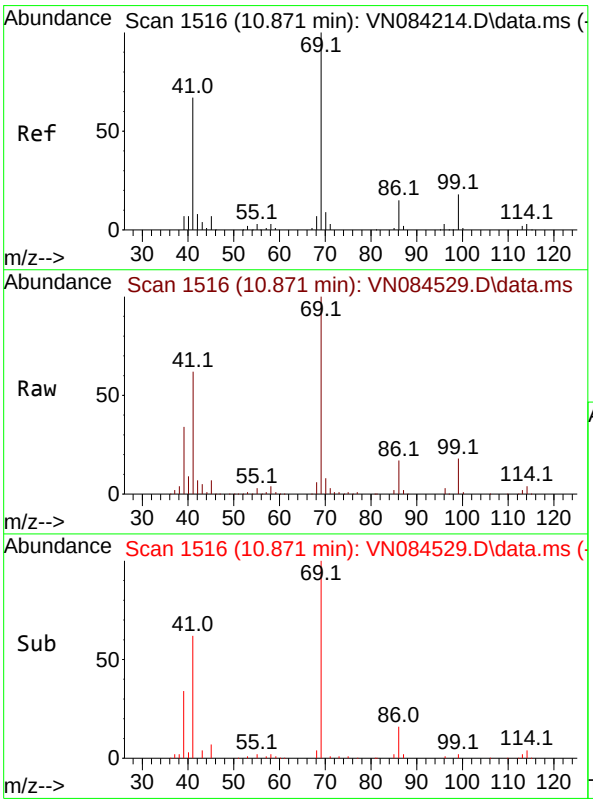
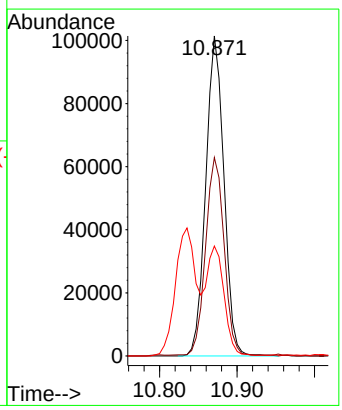
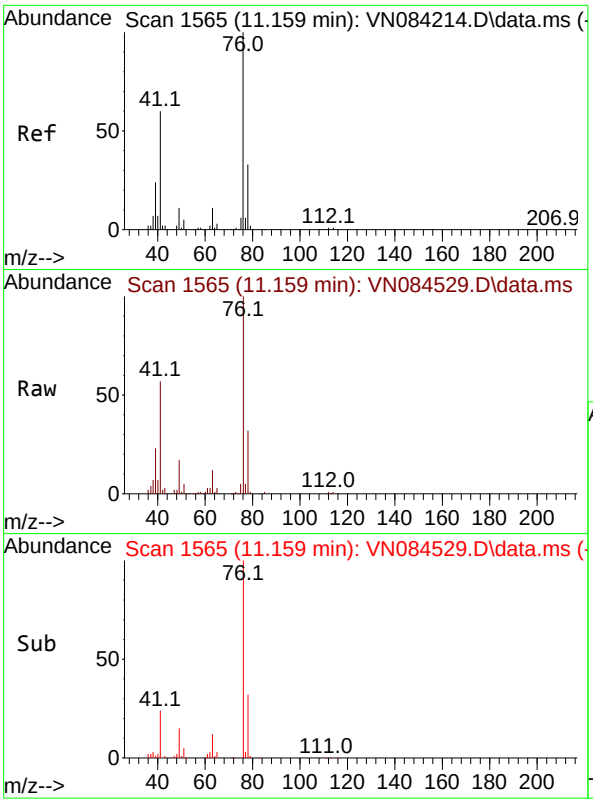


#56
Ethyl methacrylate
Concen: 55.041 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 69 Resp: 164948

Ion	Ratio	Lower	Upper
69	100		
41	62.8	53.3	79.9
39	33.2	28.8	43.2





#57
1,3-Dichloropropane
Concen: 55.445 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 76 Resp: 18043

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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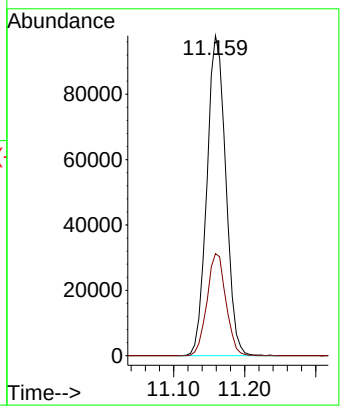
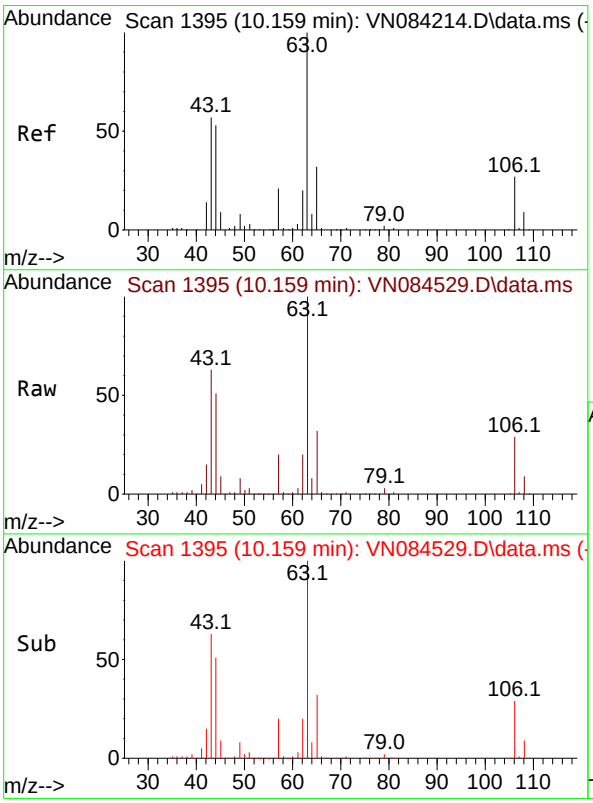
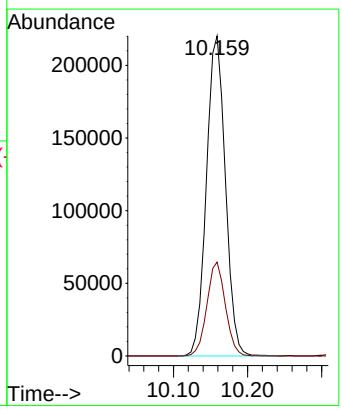


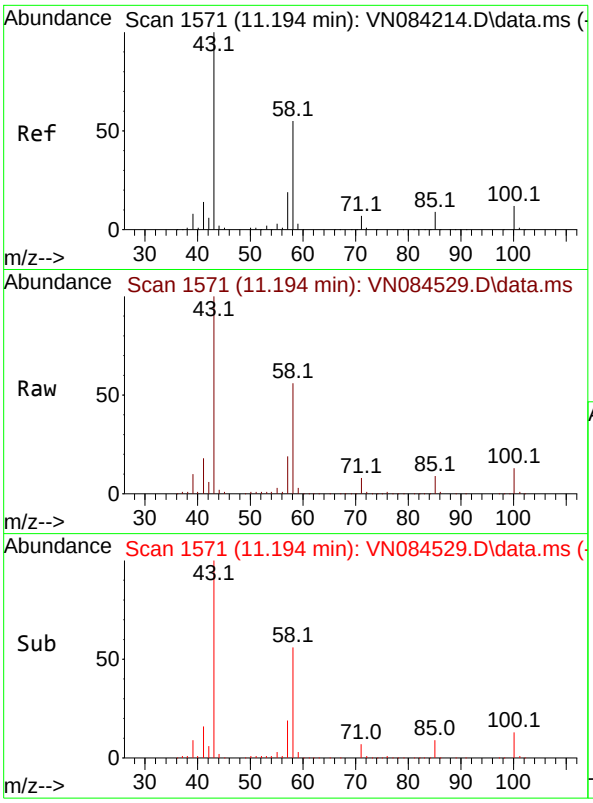


#58
2-Chloroethyl Vinyl ether
Concen: 281.550 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 63 Resp: 391410

Ion	Ratio	Lower	Upper
63	100		
106	28.6	21.8	32.6

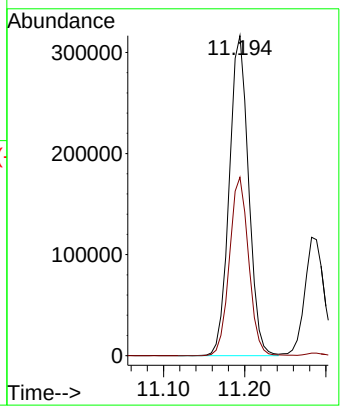




#59
2-Hexanone
Concen: 267.109 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 52135

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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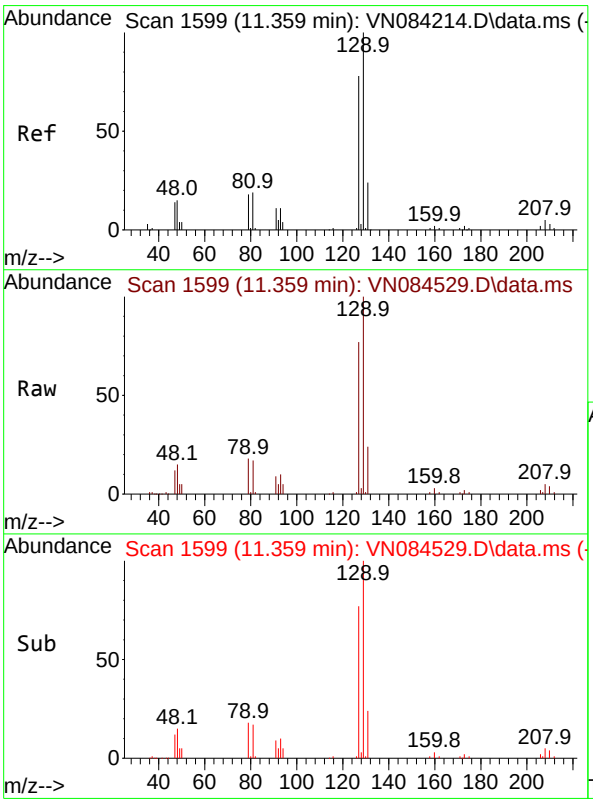
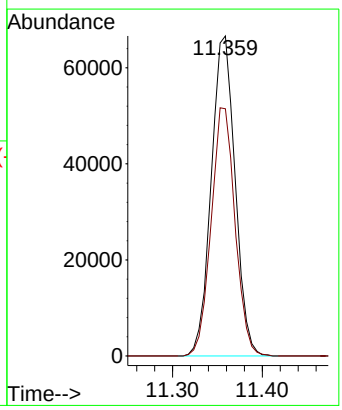
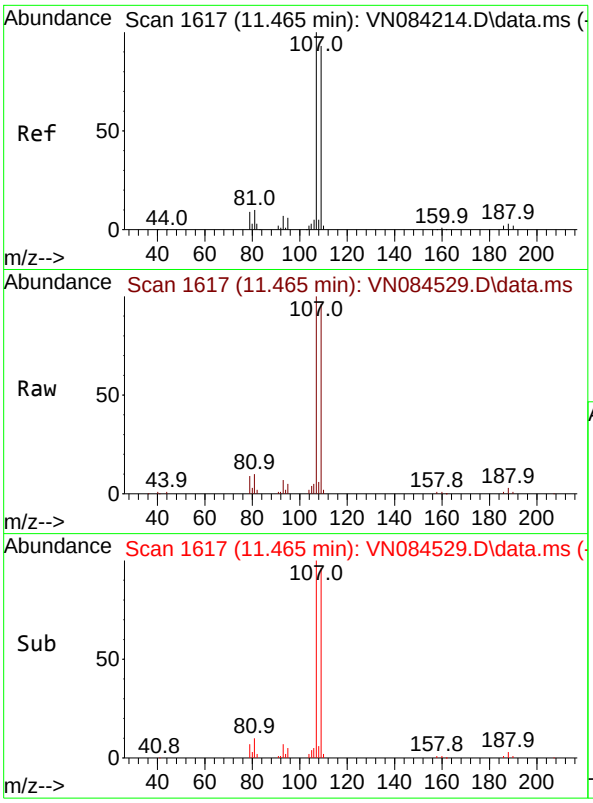


#60
Dibromochloromethane
Concen: 57.189 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:129 Resp: 123065

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9

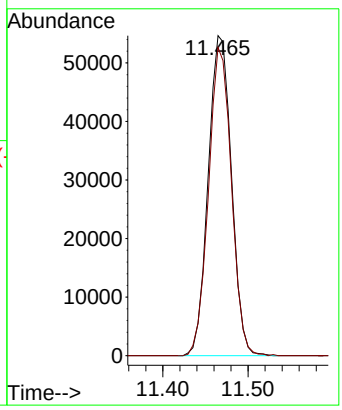




#61
1,2-Dibromoethane
Concen: 54.689 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:107 Resp: 10349

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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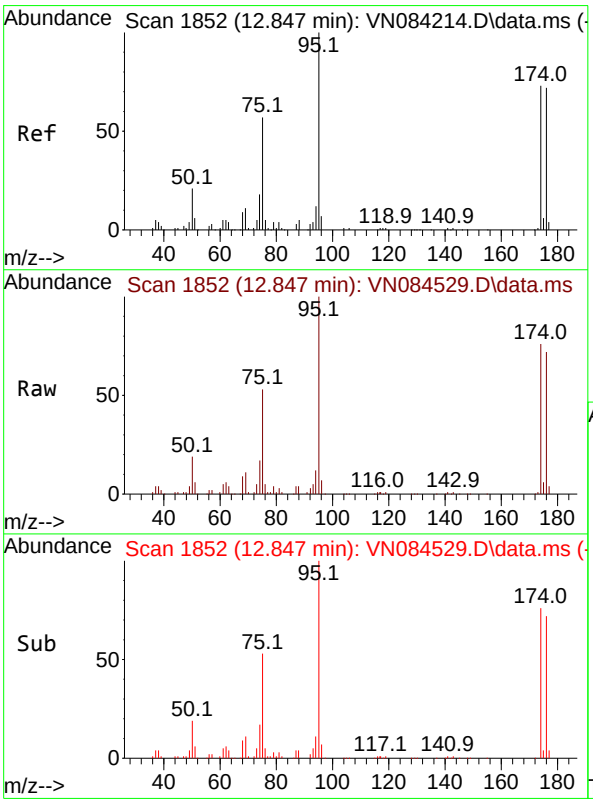
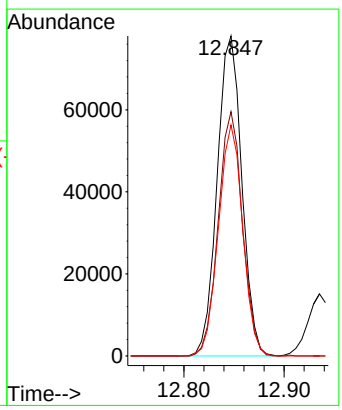
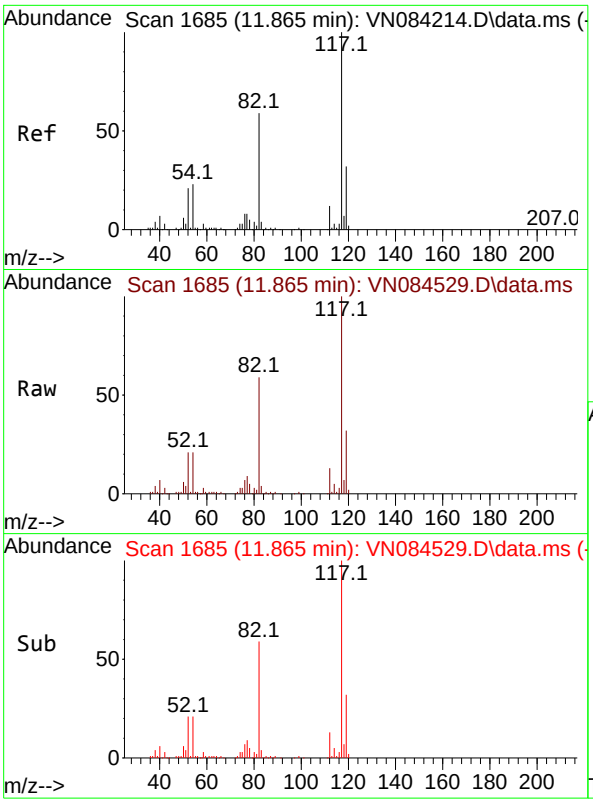


#62
4-Bromofluorobenzene
Concen: 53.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 95 Resp: 132896

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	71.1	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:117 Resp: 25591

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.2	70.8
119	32.1	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
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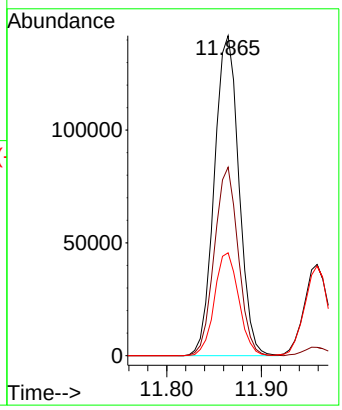
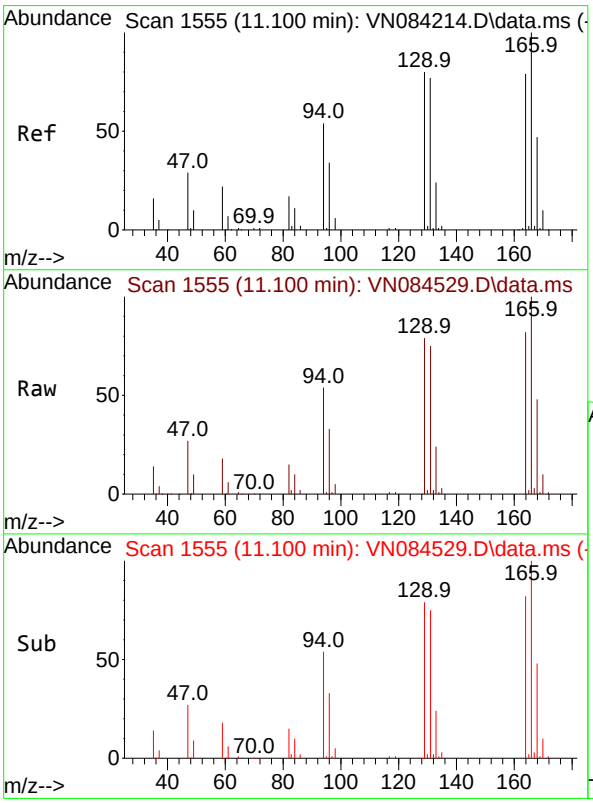
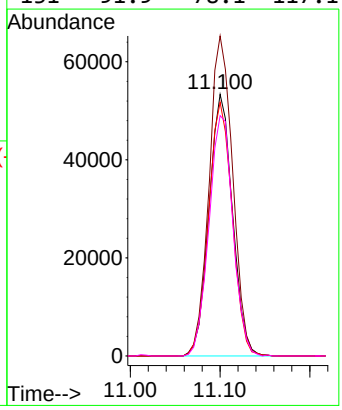


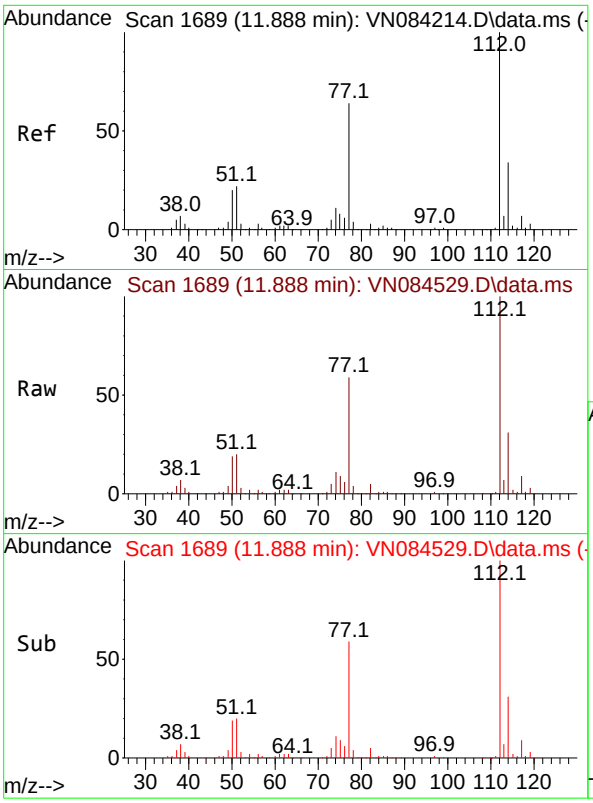


#64
Tetrachloroethene
Concen: 54.633 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:164 Resp: 97380

Ion	Ratio	Lower	Upper
164	100		
166	122.3	101.0	151.4
129	97.0	80.8	121.2
131	91.9	78.1	117.1

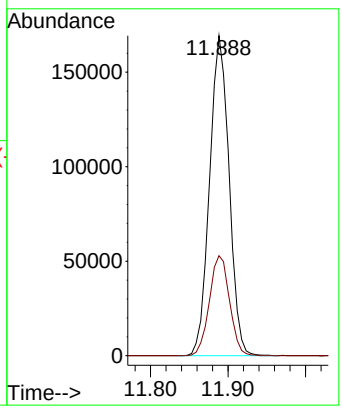




#65
Chlorobenzene
Concen: 52.108 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:112 Resp: 29566

Ion	Ratio	Lower	Upper
112	100		
114	31.3	27.0	40.6



Instrument :
MSVOA_N
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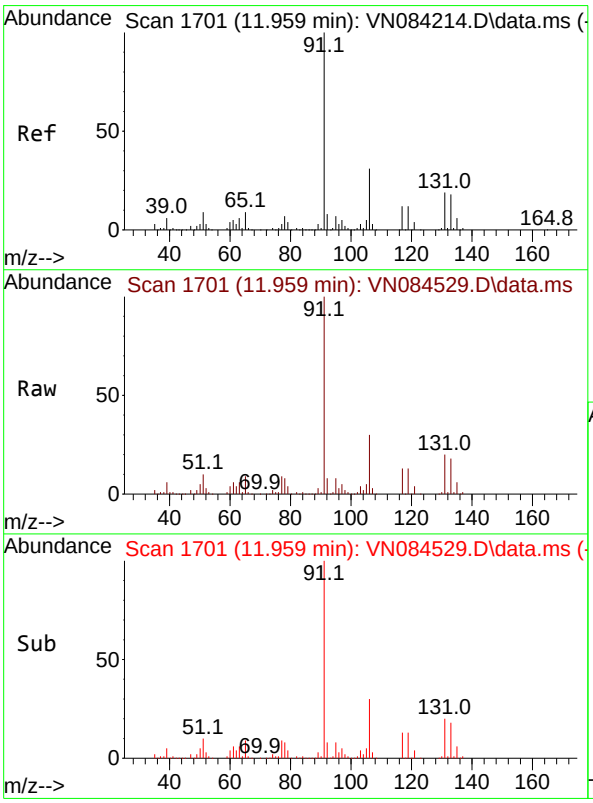
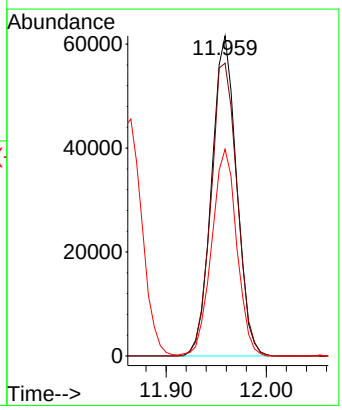
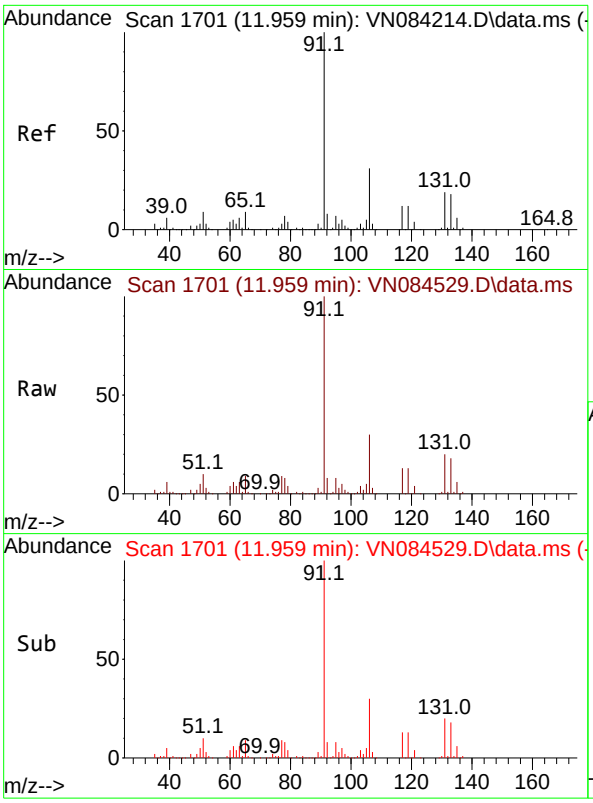


#66
1,1,1,2-Tetrachloroethane
Concen: 54.443 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:131 Resp: 106403

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.7
119	65.0	32.8	98.3

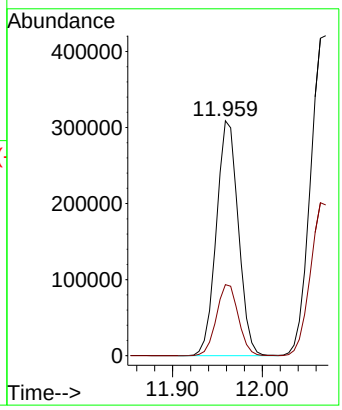




#67
Ethyl Benzene
Concen: 52.257 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 91 Resp: 52437

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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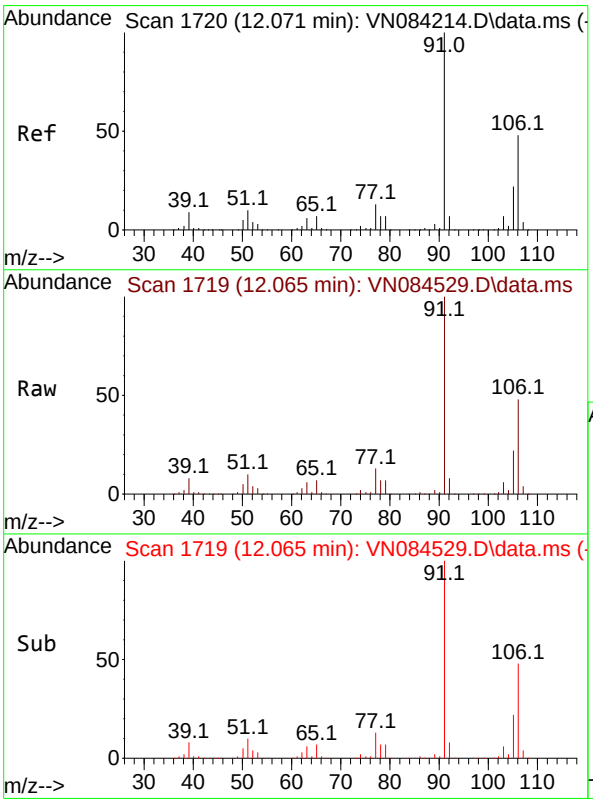
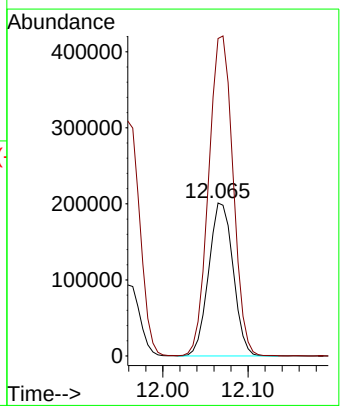
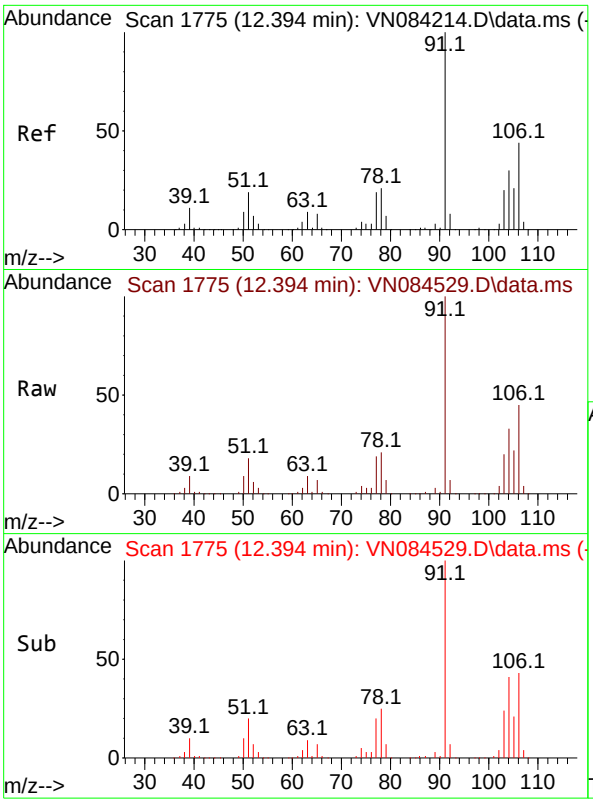


#68
m/p-Xylenes
Concen: 108.151 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:106 Resp: 401441

Ion	Ratio	Lower	Upper
106	100		
91	208.8	167.1	250.7





#69
o-Xylene
Concen: 54.717 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:106 Resp: 19215

Ion	Ratio	Lower	Upper
106	100		
91	219.6	110.2	330.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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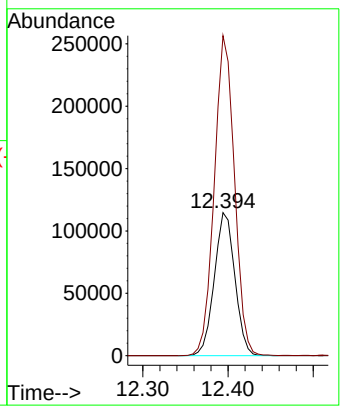
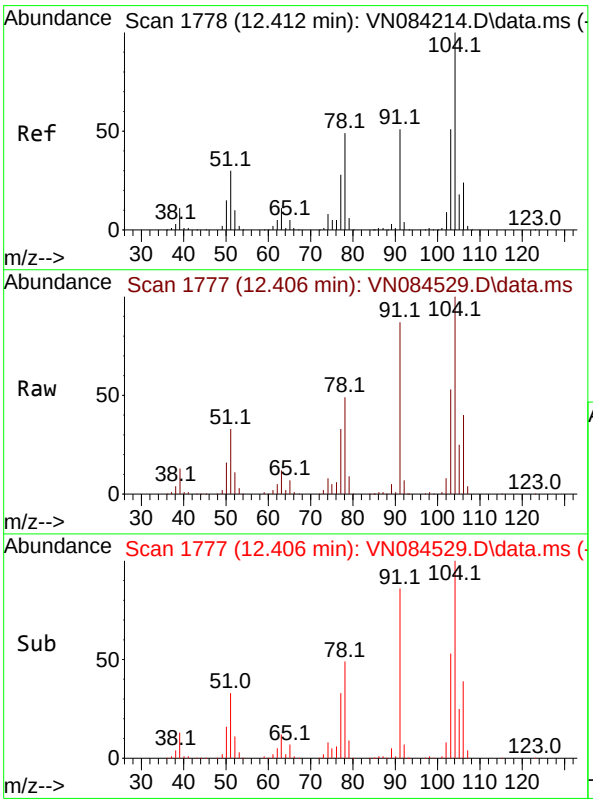
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

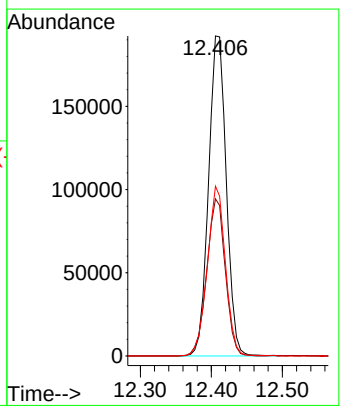


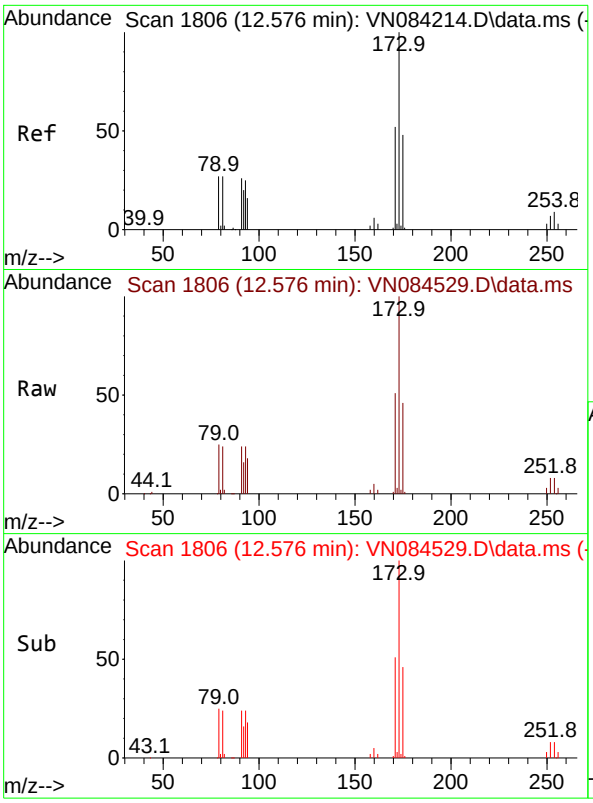


#70
Styrene
Concen: 56.058 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:104 Resp: 333454

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.1	43.6	65.4

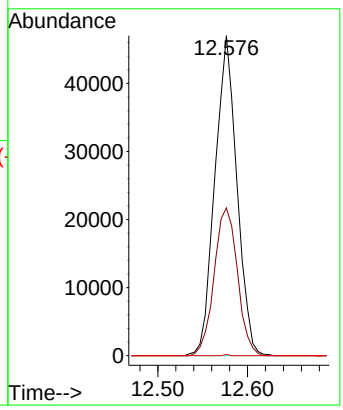




#71
Bromoform
Concen: 55.548 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:173 Resp: 7992

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.1	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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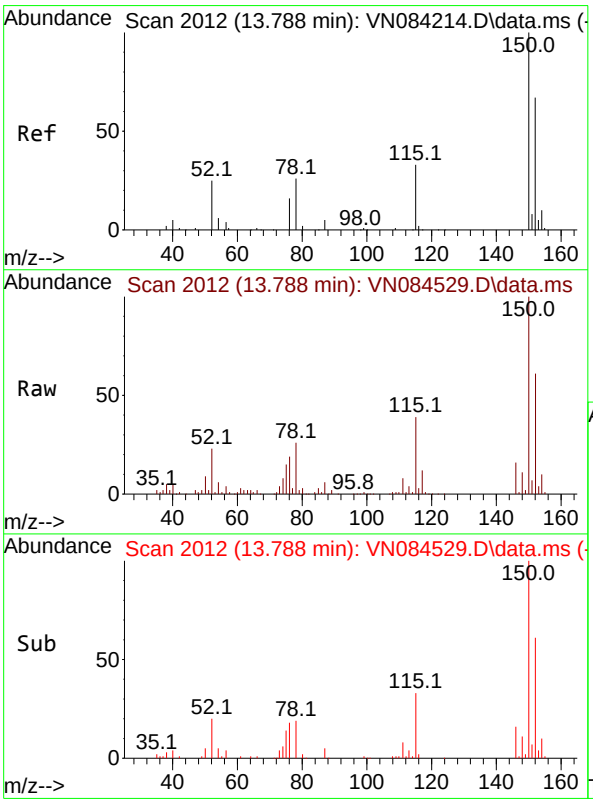
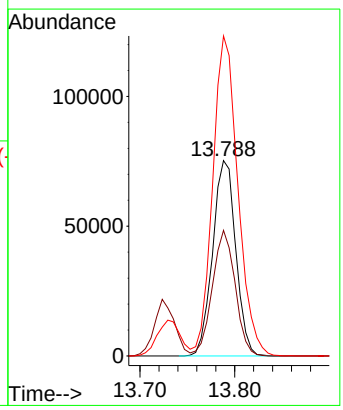
Supervised By :Semsettin Yesilyurt 10/29/2024

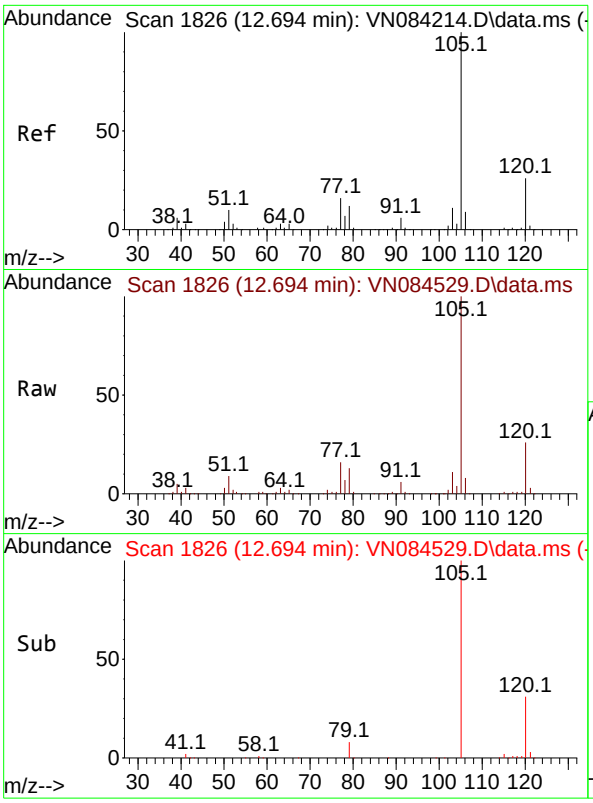


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:152 Resp: 127505

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	178.4	0.0	349.8

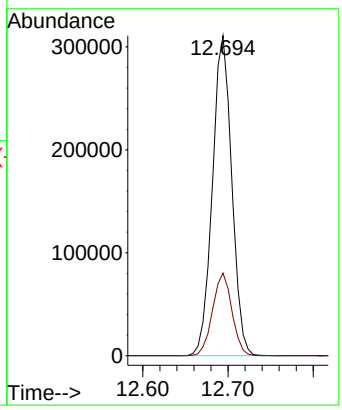




#73
Isopropylbenzene
Concen: 50.337 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:105 Resp: 48976

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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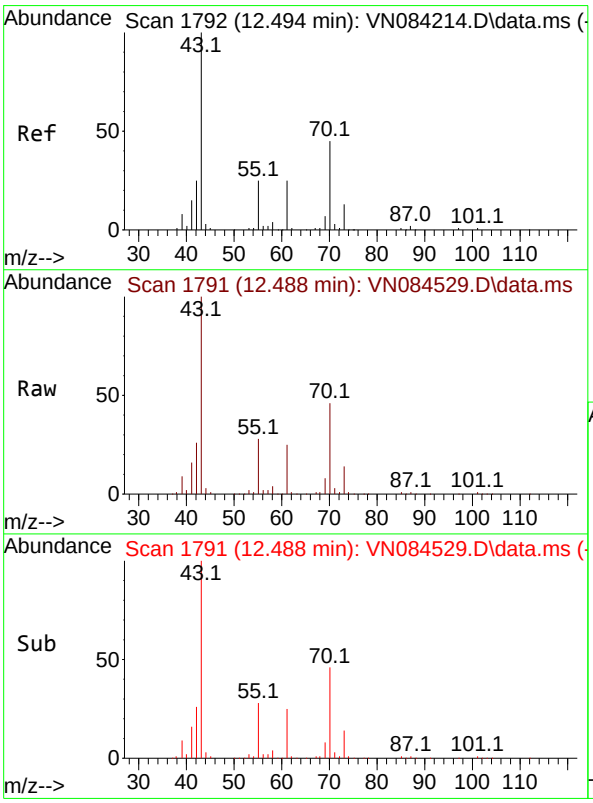
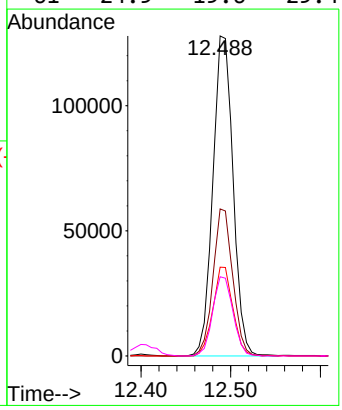
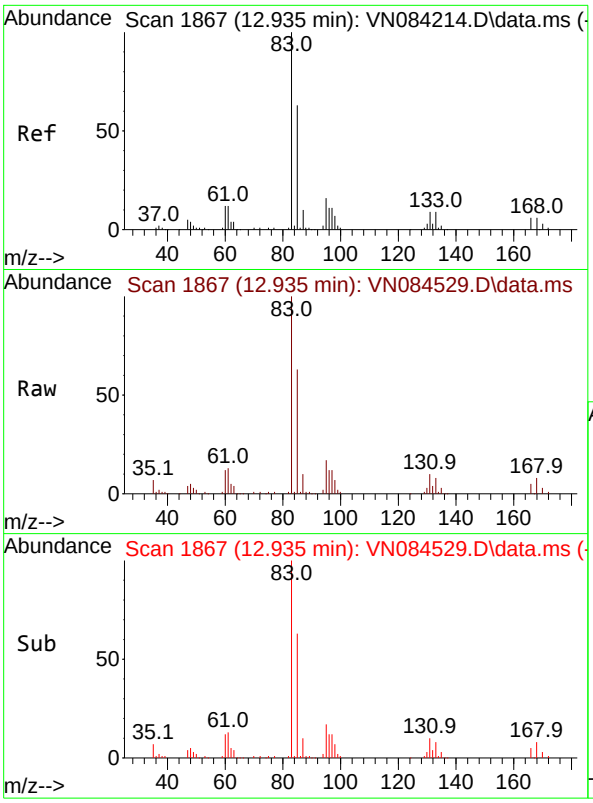


#74
N-amyl acetate
Concen: 45.461 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 200302

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.4	51.6
55	27.4	19.6	29.4
61	24.9	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 50.789 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 83 Resp: 14859

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.6	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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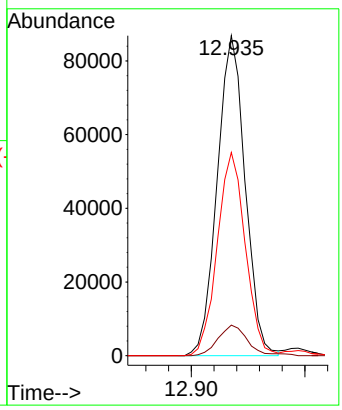
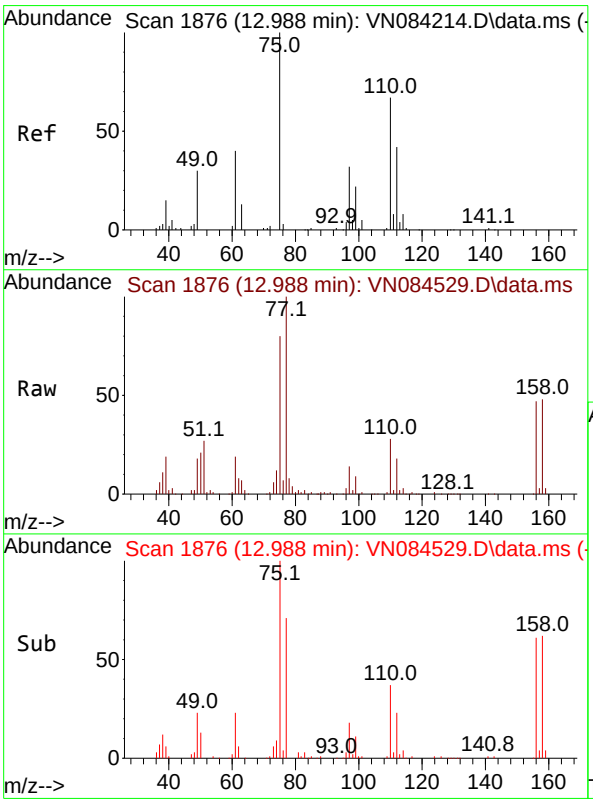
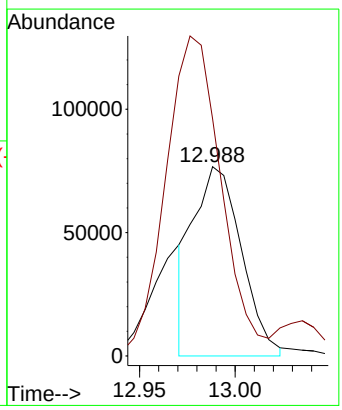


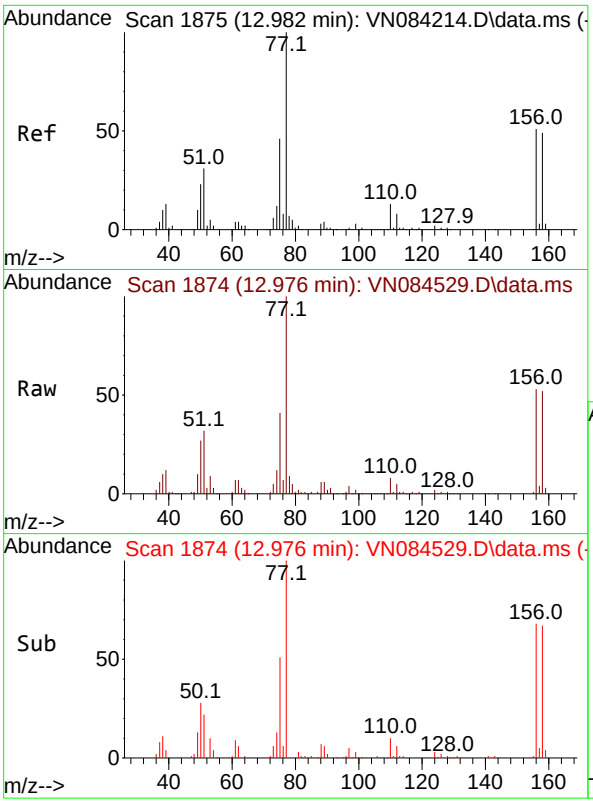


#76
1,2,3-Trichloropropane
Concen: 51.544 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 134172

Ion	Ratio	Lower	Upper
75	100		
77	195.9	96.9	290.7

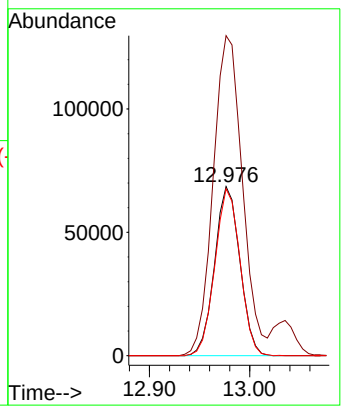




#77
Bromobenzene
Concen: 51.089 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:156 Resp: 11990

Ion	Ratio	Lower	Upper
156	100		
77	219.2	115.1	345.3
158	98.0	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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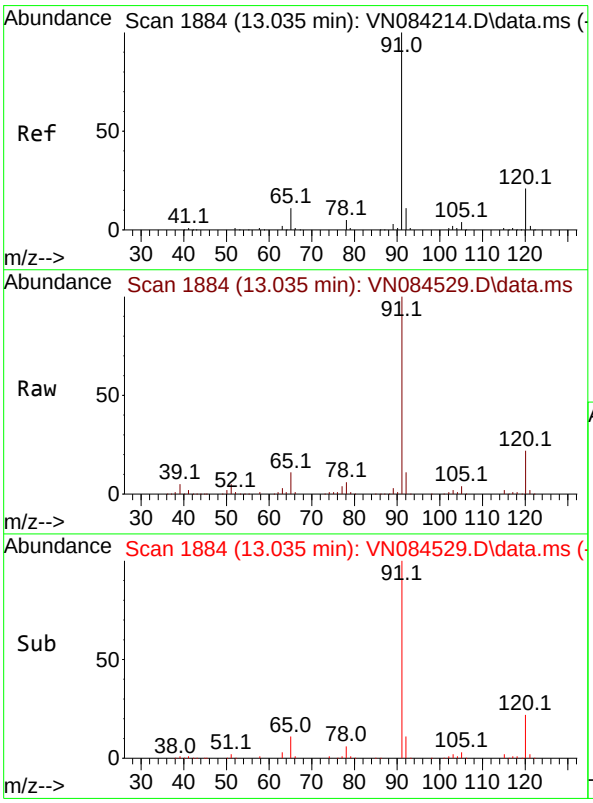
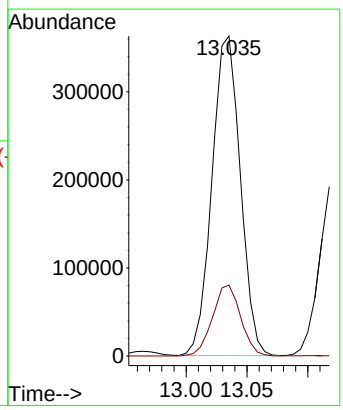
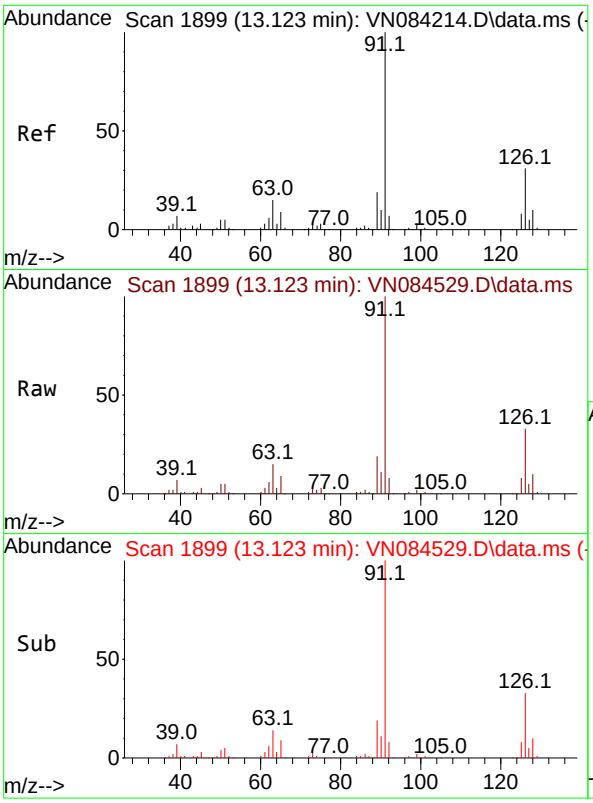


#78
n-propylbenzene
Concen: 52.151 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 91 Resp: 587897

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 50.040 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 91 Resp: 35995

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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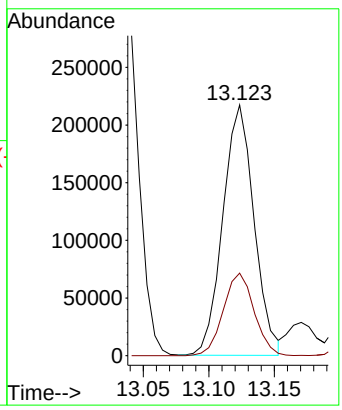
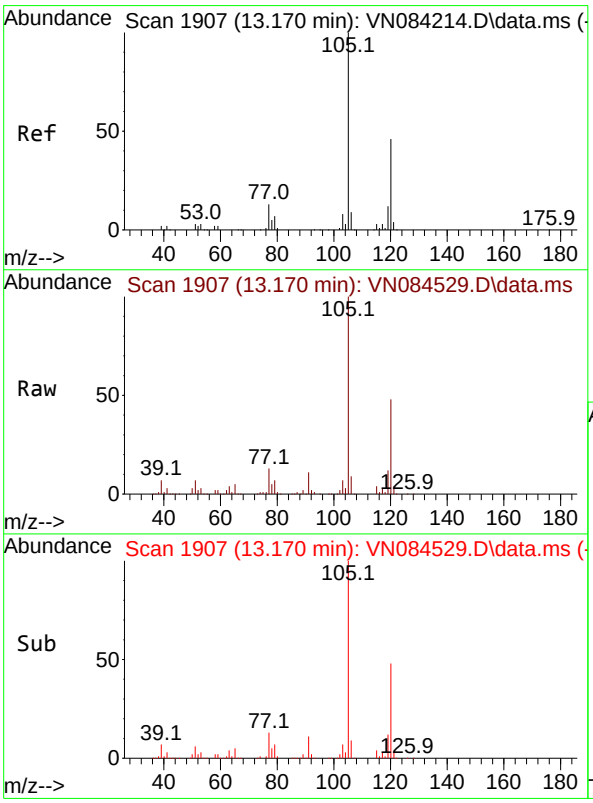
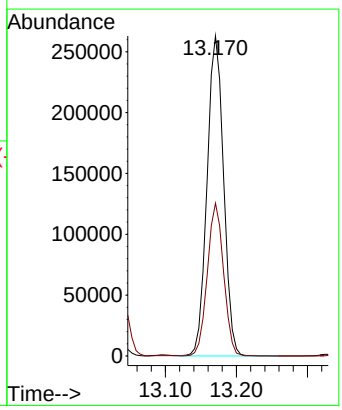


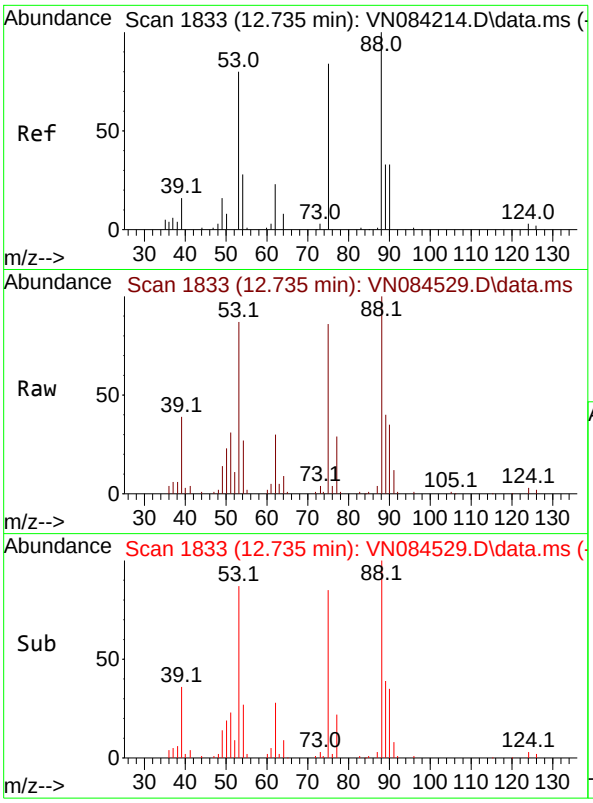


#80
1,3,5-Trimethylbenzene
Concen: 53.608 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:105 Resp: 425471

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 53.711 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 5831

Ion	Ratio	Lower	Upper
75	100		
53	87.5	78.0	117.0
89	42.0	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
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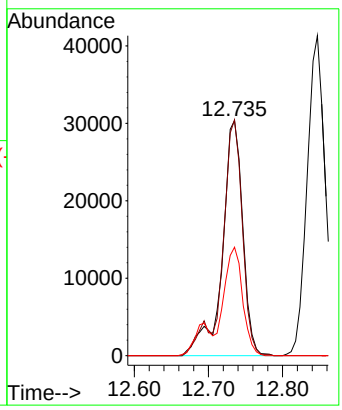
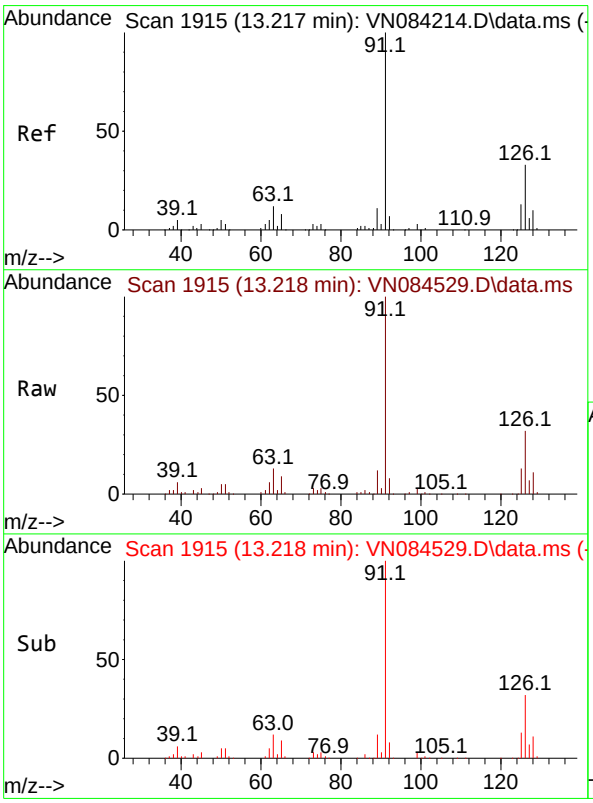
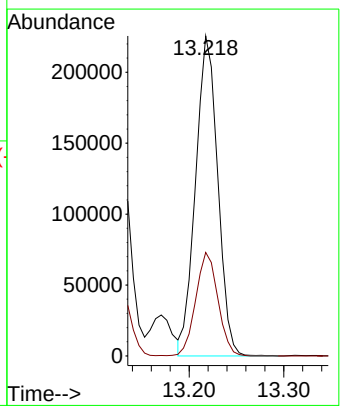


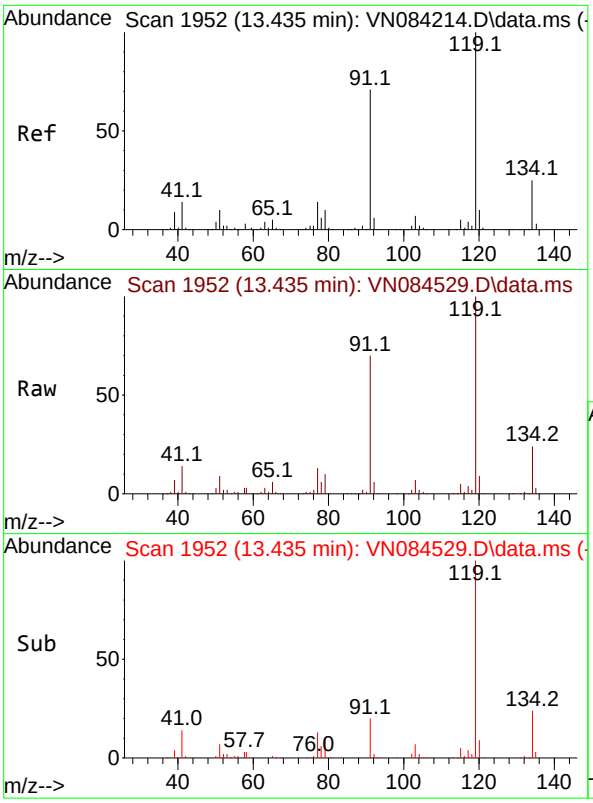


#82
4-Chlorotoluene
Concen: 50.748 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 91 Resp: 367485

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

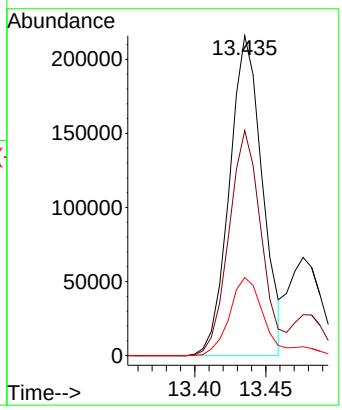




#83
tert-Butylbenzene
Concen: 49.193 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:119 Resp: 34701

Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.1	102.3
134	27.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
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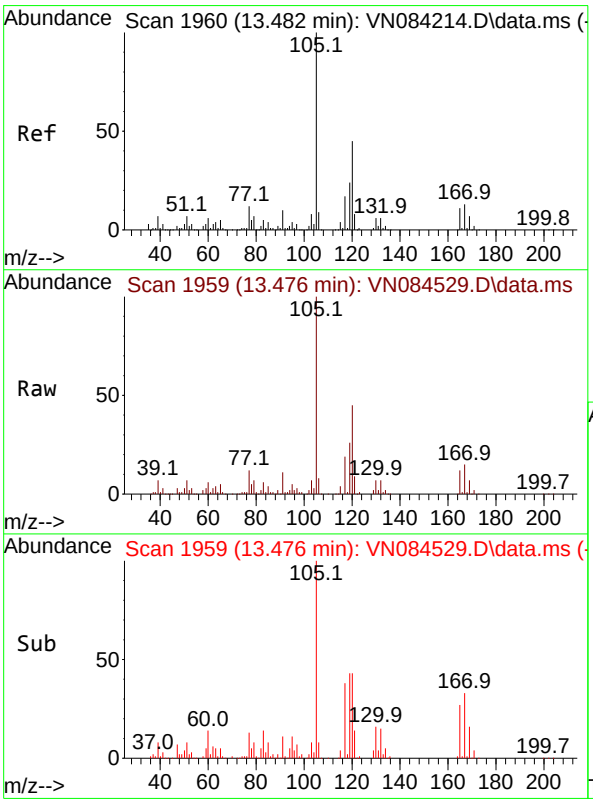
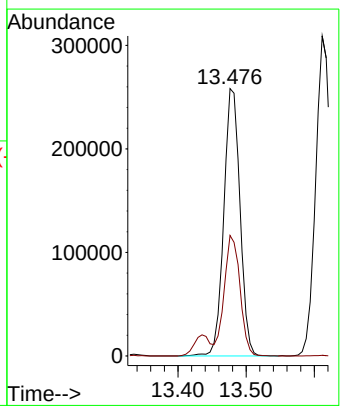
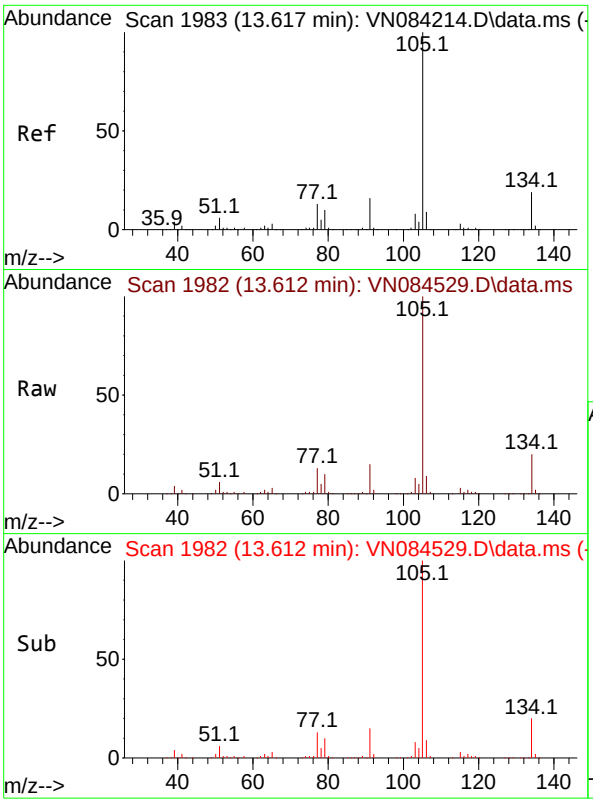


#84
1,2,4-Trimethylbenzene
Concen: 53.498 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:105 Resp: 427732

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8





#85
sec-Butylbenzene
Concen: 51.718 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:105 Resp: 48683

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
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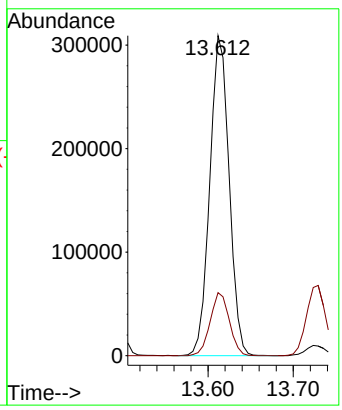
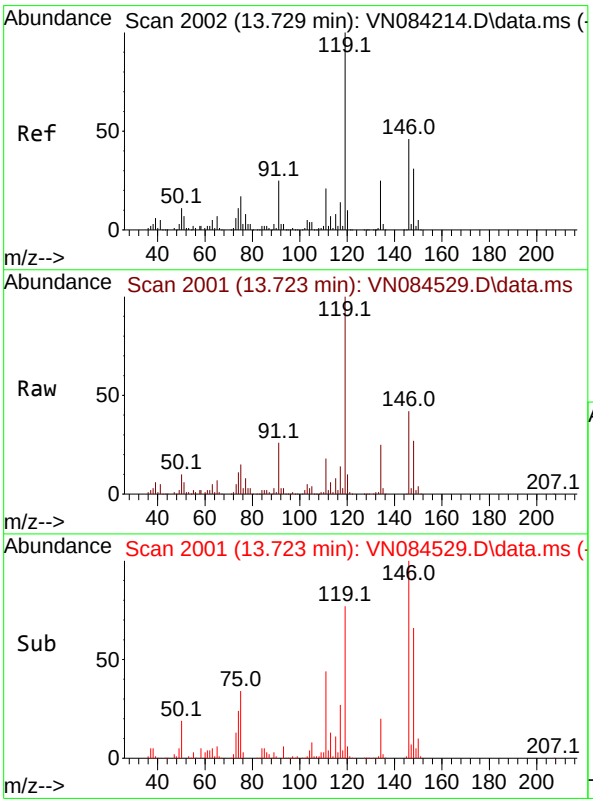
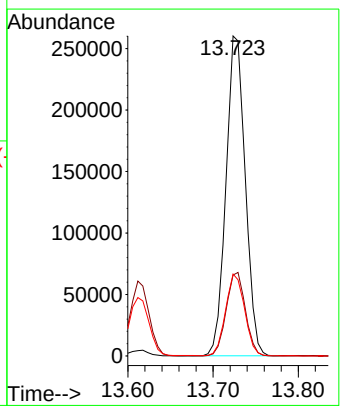


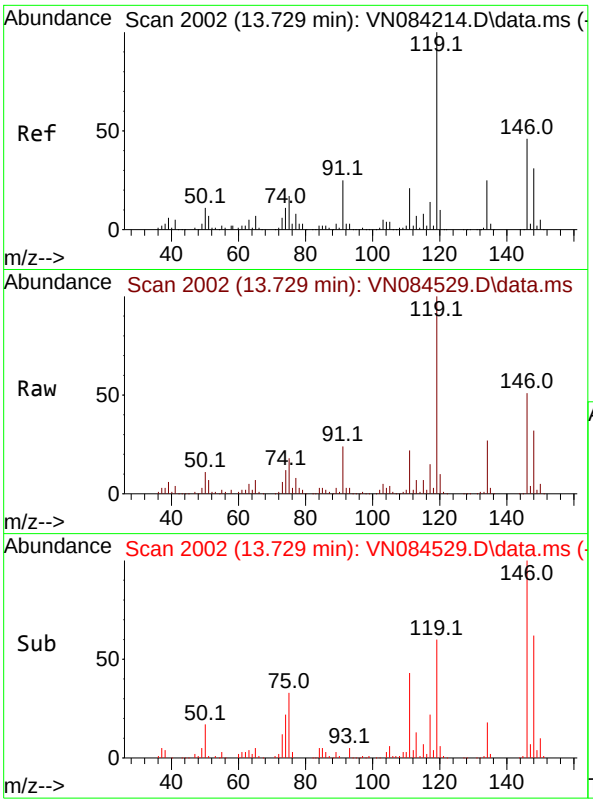


#86
p-Isopropyltoluene
Concen: 52.576 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:119 Resp: 409248

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.2	12.4	37.2

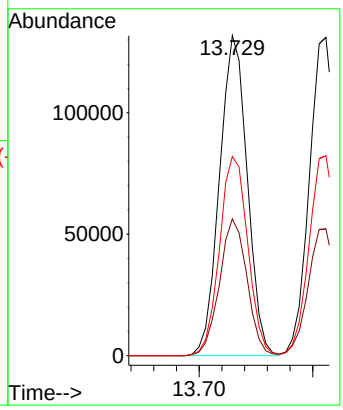




#87
1,3-Dichlorobenzene
Concen: 50.742 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:146 Resp: 22341

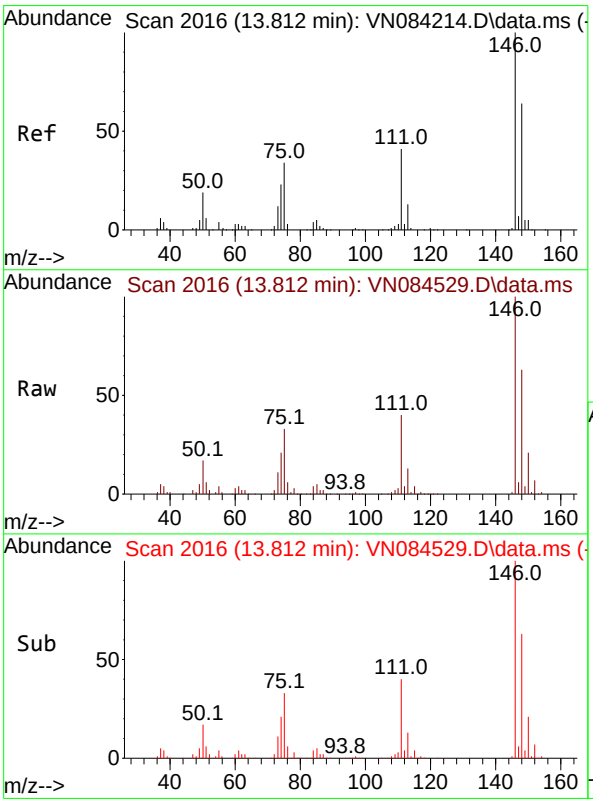
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

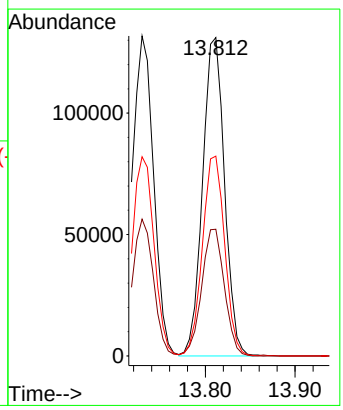
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

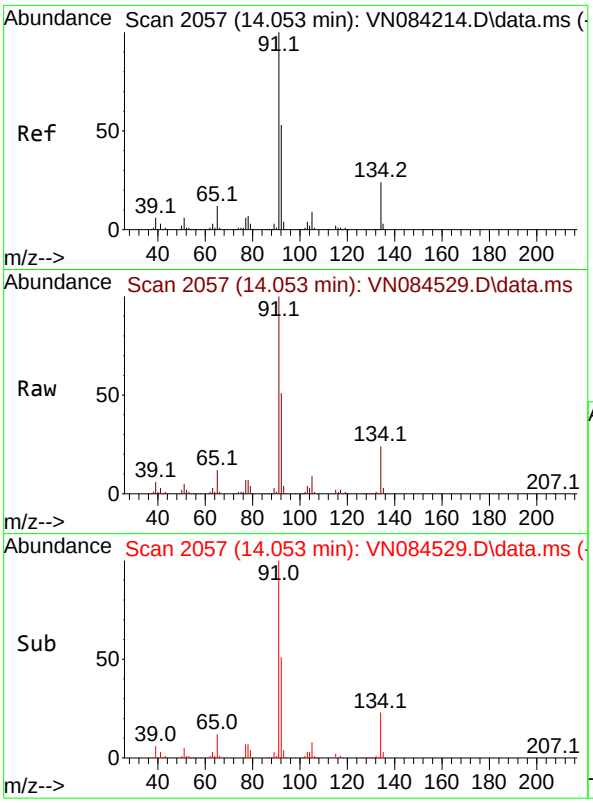


#88
1,4-Dichlorobenzene
Concen: 50.068 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:146 Resp: 222616

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.2	63.6
148	63.9	31.9	95.9





#89
n-Butylbenzene
Concen: 50.006 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

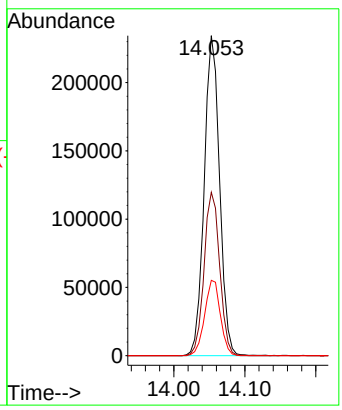
Tgt Ion: 91 Resp: 35295

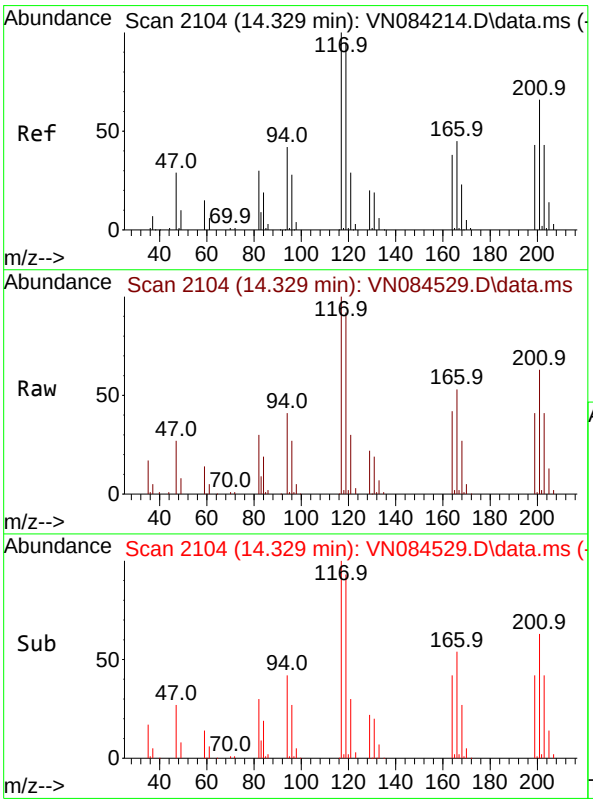
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.6	79.7
134	24.1	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

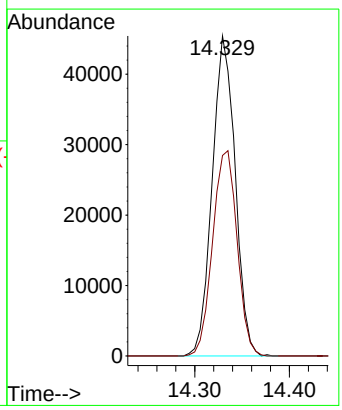


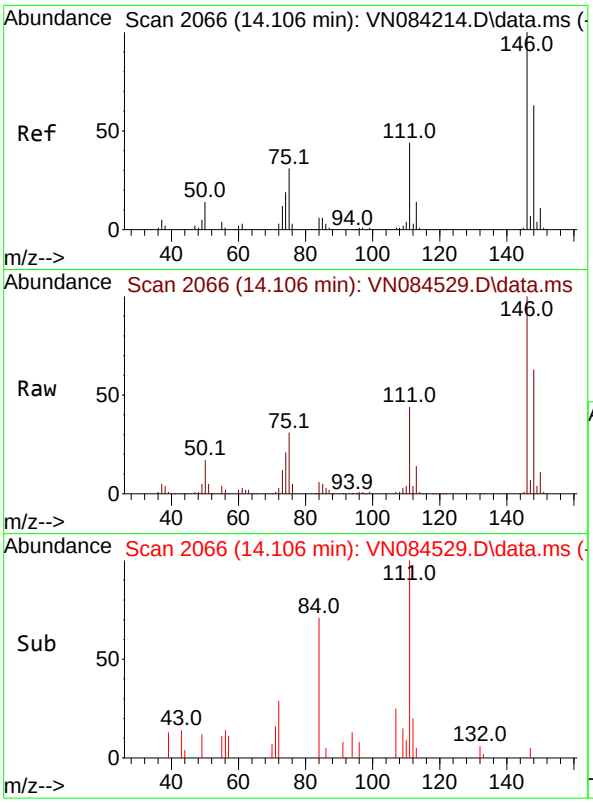


#90
Hexachloroethane
Concen: 48.482 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:117 Resp: 76602

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2





#91
1,2-Dichlorobenzene
Concen: 50.175 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

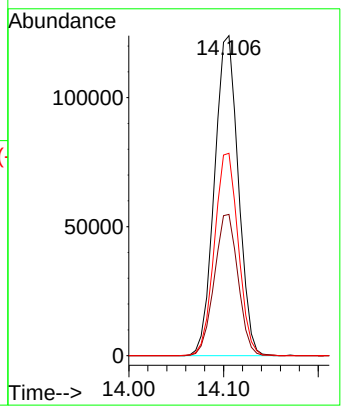
Tgt Ion:146 Resp: 21661

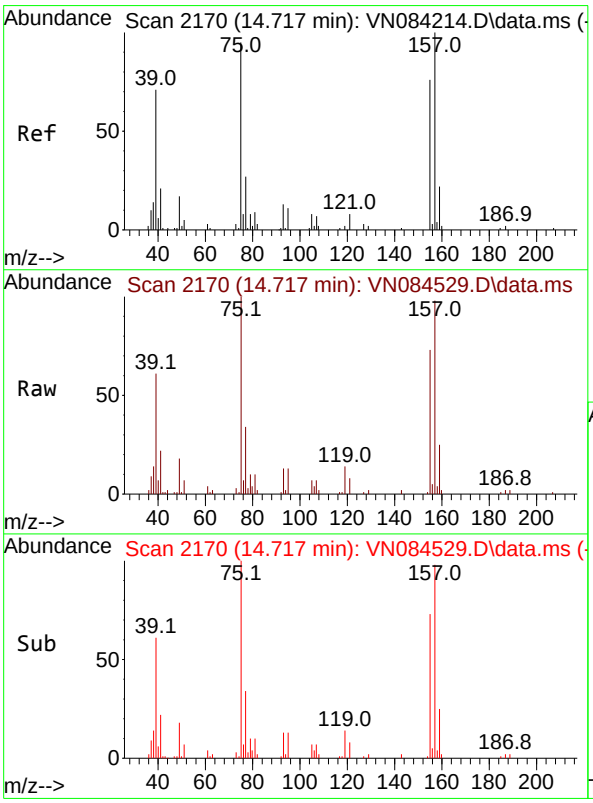
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.0	66.0
148	63.4	32.1	96.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

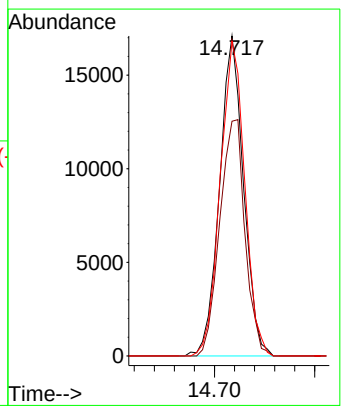


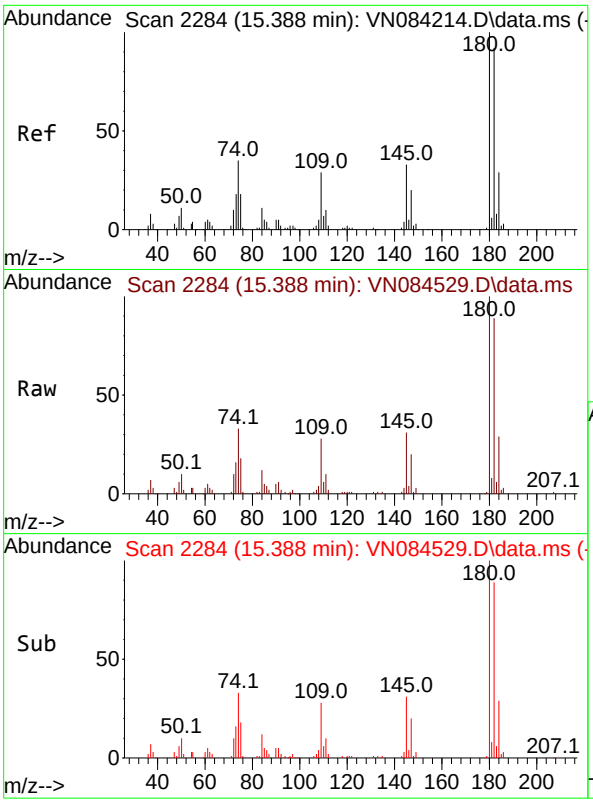


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.881 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 28304

Ion	Ratio	Lower	Upper
75	100		
155	77.7	38.1	114.5
157	100.3	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 51.843 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

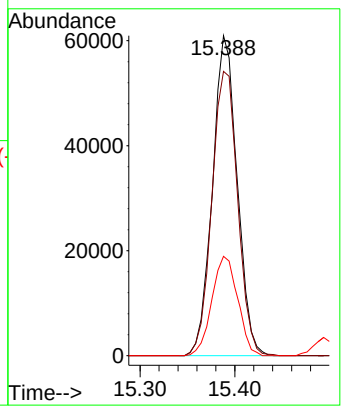
Tgt Ion:180 Resp: 11024

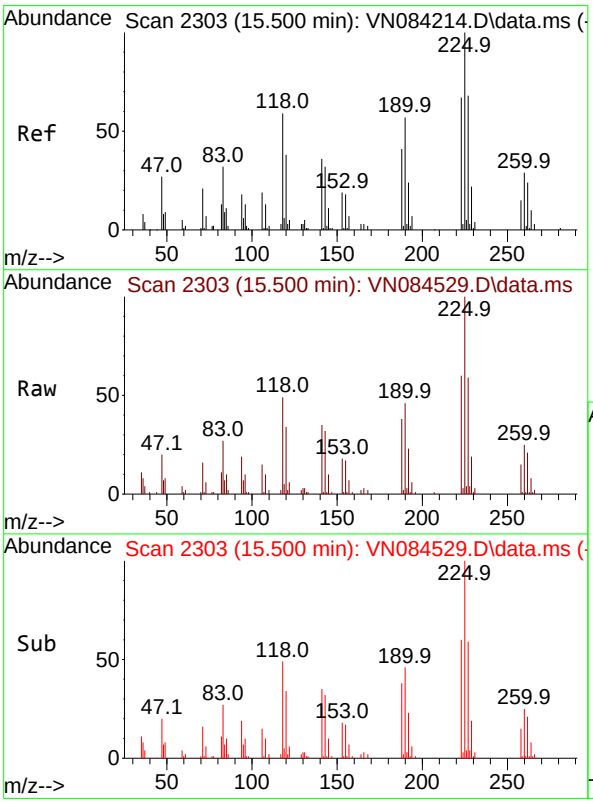
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.0	141.0
145	32.5	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

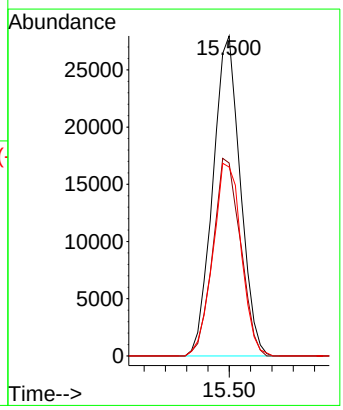


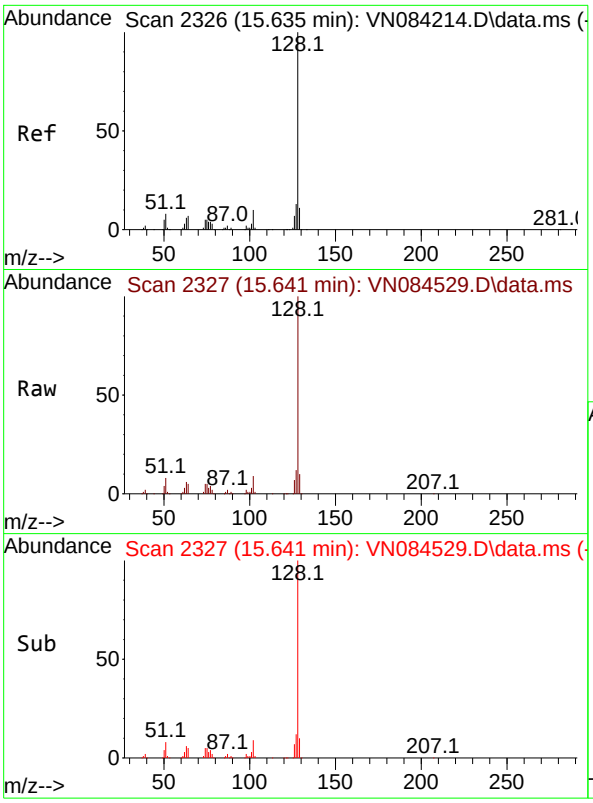


#94
Hexachlorobutadiene
Concen: 47.058 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:225 Resp: 49903

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.4	97.2
227	62.3	32.4	97.0

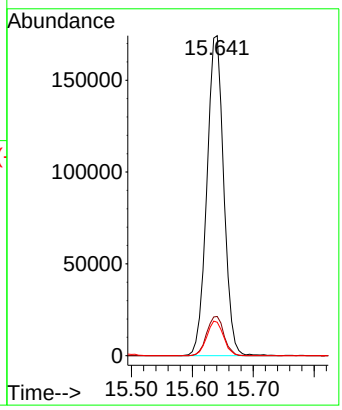




#95
Naphthalene
Concen: 47.496 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:128 Resp: 33482

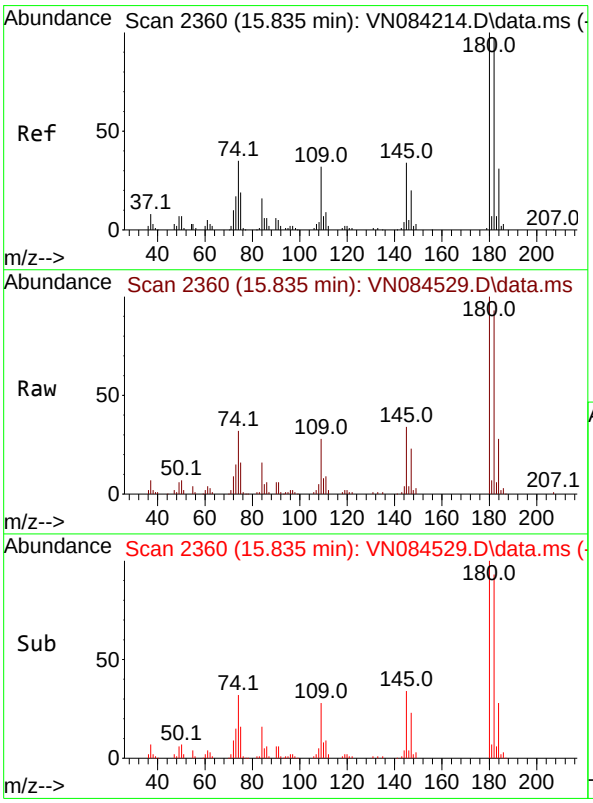
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

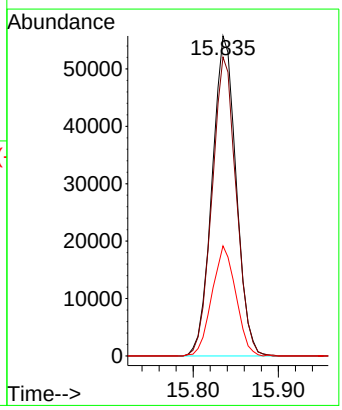
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.361 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:180 Resp: 109325

Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.2	144.6
145	34.2	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.591	0.521	11.8	81	0.00
3	P	Chloromethane	0.675	0.598	11.4	85	0.00
4	C	Vinyl Chloride	0.654	0.603	7.8#	86	0.00
5	T	Bromomethane	0.431	0.378	12.3	83	0.00
6	T	Chloroethane	0.468	0.391	16.5	89	0.00
7	T	Trichlorofluoromethane	1.019	1.025	-0.6	92	0.00
8	T	Diethyl Ether	0.378	0.361	4.5	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.582	0.3	94	0.00
10	T	Methyl Iodide	0.752	0.753	-0.1	89	0.00
11	T	Tert butyl alcohol	0.122	0.114	6.6	88	0.00
12	CM	1,1-Dichloroethene	0.563	0.554	1.6#	90	0.00
13	T	Acrolein	0.140	0.120	14.3	80	0.00
14	T	Allyl chloride	0.978	0.861	12.0	82	0.00
15	T	Acrylonitrile	0.309	0.313	-1.3	94	0.00
16	T	Acetone	0.318	0.308	3.1	86	0.00
17	T	Carbon Disulfide	1.782	1.501	15.8	83	0.00
18	T	Methyl Acetate	0.694	0.782	-12.7	105	0.00
19	T	Methyl tert-butyl Ether	1.900	1.919	-1.0	90	0.00
20	T	Methylene Chloride	0.647	0.663	-2.5	96	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.607	-2.9	93	0.00
22	T	Diisopropyl ether	2.022	2.052	-1.5	90	0.00
23	T	Vinyl Acetate	1.500	1.464	2.4	84	0.00
24	P	1,1-Dichloroethane	1.131	1.164	-2.9	93	0.00
25	T	2-Butanone	0.434	0.425	2.1	89	0.00
26	T	2,2-Dichloropropane	1.020	1.043	-2.3	92	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.739	-3.6	95	0.00
28	T	Bromochloromethane	0.505	0.445	11.9	86	0.00
29	T	Tetrahydrofuran	0.268	0.266	0.7	89	0.00
30	C	Chloroform	1.175	1.237	-5.3#	98	0.00
31	T	Cyclohexane	1.098	0.962	12.4	86	0.00
32	T	1,1,1-Trichloroethane	1.055	1.088	-3.1	94	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.721	2.7	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.330	0.356	-7.9	101	0.00
36	T	1,1-Dichloropropene	0.479	0.495	-3.3	89	0.00
37	T	Ethyl Acetate	0.491	0.488	0.6	89	0.00
38	T	Carbon Tetrachloride	0.525	0.563	-7.2	94	0.00
39	T	Methylcyclohexane	0.533	0.520	2.4	82	0.00
40	TM	Benzene	1.492	1.585	-6.2	94	0.00
41	T	Methacrylonitrile	0.267	0.263	1.5	84	0.00
42	TM	1,2-Dichloroethane	0.506	0.528	-4.3	92	0.00
43	T	Isopropyl Acetate	0.962	0.857	10.9	88	0.00
44	TM	Trichloroethene	0.348	0.368	-5.7	93	0.00
45	C	1,2-Dichloropropane	0.353	0.387	-9.6#	95	0.00
46	T	Dibromomethane	0.238	0.281	-18.1	99	0.00
47	T	Bromodichloromethane	0.529	0.582	-10.0	96	0.00
48	T	Methyl methacrylate	0.383	0.391	-2.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	90	0.00
50	S	Toluene-d8	1.213	1.245	-2.6	92	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.503	-7.5	91	0.00
52	CM	Toluene	0.910	0.991	-8.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.539	0.580	-7.6	90	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.632	-9.0	91	0.00
55	T	1,1,2-Trichloroethane	0.326	0.378	-16.0	99	0.00
56	T	Ethyl methacrylate	0.537	0.591	-10.1	90	0.00
57	T	1,3-Dichloropropane	0.583	0.646	-10.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.280	-12.4	92	0.00
59	T	2-Hexanone	0.349	0.373	-6.9	89	0.00
60	T	Dibromochloromethane	0.385	0.441	-14.5	97	0.00
61	T	1,2-Dibromoethane	0.339	0.371	-9.4	95	0.00
62	S	4-Bromofluorobenzene	0.442	0.476	-7.7	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.348	0.381	-9.5	103	0.00
65	PM	Chlorobenzene	1.109	1.155	-4.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.416	-8.9	99	0.00
67	C	Ethyl Benzene	1.961	2.049	-4.5#	93	0.00
68	T	m/p-Xylenes	0.725	0.784	-8.1	94	0.00
69	T	o-Xylene	0.686	0.751	-9.5	94	0.00
70	T	Styrene	1.162	1.303	-12.1	96	0.00
71	P	Bromoform	0.281	0.312	-11.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.815	3.841	-0.7	93	0.00
74	T	N-amyl acetate	1.728	1.571	9.1	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.165	-1.6	98	0.00
76	T	1,2,3-Trichloropropane	1.021	1.052	-3.0	93	0.00
77	T	Bromobenzene	0.920	0.940	-2.2	99	0.00
78	T	n-propylbenzene	4.421	4.611	-4.3	94	0.00
79	T	2-Chlorotoluene	2.821	2.823	-0.1	94	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.337	-7.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.457	-7.3	101	0.00
82	T	4-Chlorotoluene	2.840	2.882	-1.5	95	0.00
83	T	tert-Butylbenzene	2.766	2.722	1.6	90	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.355	-7.0	95	0.00
85	T	sec-Butylbenzene	3.691	3.818	-3.4	92	0.00
86	T	p-Isopropyltoluene	3.052	3.210	-5.2	91	0.00
87	T	1,3-Dichlorobenzene	1.727	1.752	-1.4	98	0.00
88	T	1,4-Dichlorobenzene	1.744	1.746	-0.1	98	0.00
89	T	n-Butylbenzene	2.768	2.768	0.0	89	0.00
90	T	Hexachloroethane	0.620	0.601	3.1	94	0.00
91	T	1,2-Dichlorobenzene	1.693	1.699	-0.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.222	6.3	93	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.865	-3.7	93	0.00
94	T	Hexachlorobutadiene	0.416	0.391	6.0	98	0.00
95	T	Naphthalene	2.764	2.626	5.0	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.835	0.857	-2.6	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	44.030	11.9	81	0.00
3	P	Chloromethane	50.000	44.241	11.5	85	0.00
4	C	Vinyl Chloride	50.000	46.108	7.8#	86	0.00
5	T	Bromomethane	50.000	43.757	12.5	83	0.00
6	T	Chloroethane	50.000	41.705	16.6	89	0.00
7	T	Trichlorofluoromethane	50.000	50.308	-0.6	92	0.00
8	T	Diethyl Ether	50.000	47.781	4.4	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.851	0.3	94	0.00
10	T	Methyl Iodide	50.000	50.113	-0.2	89	0.00
11	T	Tert butyl alcohol	250.000	233.770	6.5	88	0.00
12	CM	1,1-Dichloroethene	50.000	49.207	1.6#	90	0.00
13	T	Acrolein	250.000	214.094	14.4	80	0.00
14	T	Allyl chloride	50.000	44.018	12.0	82	0.00
15	T	Acrylonitrile	250.000	253.406	-1.4	94	0.00
16	T	Acetone	250.000	241.898	3.2	86	0.00
17	T	Carbon Disulfide	50.000	42.104	15.8	83	0.00
18	T	Methyl Acetate	50.000	56.337	-12.7	105	0.00
19	T	Methyl tert-butyl Ether	50.000	50.500	-1.0	90	0.00
20	T	Methylene Chloride	50.000	51.242	-2.5	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.425	-2.8	93	0.00
22	T	Diisopropyl ether	50.000	50.724	-1.4	90	0.00
23	T	Vinyl Acetate	250.000	243.938	2.4	84	0.00
24	P	1,1-Dichloroethane	50.000	51.442	-2.9	93	0.00
25	T	2-Butanone	250.000	244.937	2.0	89	0.00
26	T	2,2-Dichloropropane	50.000	51.129	-2.3	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.870	-3.7	95	0.00
28	T	Bromochloromethane	50.000	44.125	11.8	86	0.00
29	T	Tetrahydrofuran	250.000	248.023	0.8	89	0.00
30	C	Chloroform	50.000	52.667	-5.3#	98	0.00
31	T	Cyclohexane	50.000	43.789	12.4	86	0.00
32	T	1,1,1-Trichloroethane	50.000	51.539	-3.1	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.647	2.7	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	54.074	-8.1	101	0.00
36	T	1,1-Dichloropropene	50.000	51.657	-3.3	89	0.00
37	T	Ethyl Acetate	50.000	49.664	0.7	89	0.00
38	T	Carbon Tetrachloride	50.000	53.573	-7.1	94	0.00
39	T	Methylcyclohexane	50.000	48.754	2.5	82	0.00
40	TM	Benzene	50.000	53.118	-6.2	94	0.00
41	T	Methacrylonitrile	50.000	49.298	1.4	84	0.00
42	TM	1,2-Dichloroethane	50.000	52.174	-4.3	92	0.00
43	T	Isopropyl Acetate	50.000	44.533	10.9	88	0.00
44	TM	Trichloroethene	50.000	52.851	-5.7	93	0.00
45	C	1,2-Dichloropropane	50.000	54.856	-9.7#	95	0.00
46	T	Dibromomethane	50.000	58.923	-17.8	99	0.00
47	T	Bromodichloromethane	50.000	54.959	-9.9	96	0.00
48	T	Methyl methacrylate	50.000	51.072	-2.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1018.632	-1.9	90	0.00
50	S	Toluene-d8	50.000	51.331	-2.7	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.706	-7.5	91	0.00
52	CM	Toluene	50.000	54.461	-8.9#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	53.765	-7.5	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.508	-9.0	91	0.00
55	T	1,1,2-Trichloroethane	50.000	57.934	-15.9	99	0.00
56	T	Ethyl methacrylate	50.000	55.041	-10.1	90	0.00
57	T	1,3-Dichloropropane	50.000	55.445	-10.9	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	281.550	-12.6	92	0.00
59	T	2-Hexanone	250.000	267.109	-6.8	89	0.00
60	T	Dibromochloromethane	50.000	57.189	-14.4	97	0.00
61	T	1,2-Dibromoethane	50.000	54.689	-9.4	95	0.00
62	S	4-Bromofluorobenzene	50.000	53.860	-7.7	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	54.633	-9.3	103	0.00
65	PM	Chlorobenzene	50.000	52.108	-4.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.443	-8.9	99	0.00
67	C	Ethyl Benzene	50.000	52.257	-4.5#	93	0.00
68	T	m/p-Xylenes	100.000	108.151	-8.2	94	0.00
69	T	o-Xylene	50.000	54.717	-9.4	94	0.00
70	T	Styrene	50.000	56.058	-12.1	96	0.00
71	P	Bromoform	50.000	55.548	-11.1	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.337	-0.7	93	0.00
74	T	N-amyl acetate	50.000	45.461	9.1	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.789	-1.6	98	0.00
76	T	1,2,3-Trichloropropane	50.000	51.544	-3.1	93	0.00
77	T	Bromobenzene	50.000	51.089	-2.2	99	0.00
78	T	n-propylbenzene	50.000	52.151	-4.3	94	0.00
79	T	2-Chlorotoluene	50.000	50.040	-0.1	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.608	-7.2	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.711	-7.4	101	0.00
82	T	4-Chlorotoluene	50.000	50.748	-1.5	95	0.00
83	T	tert-Butylbenzene	50.000	49.193	1.6	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.498	-7.0	95	0.00
85	T	sec-Butylbenzene	50.000	51.718	-3.4	92	0.00
86	T	p-Isopropyltoluene	50.000	52.576	-5.2	91	0.00
87	T	1,3-Dichlorobenzene	50.000	50.742	-1.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	50.068	-0.1	98	0.00
89	T	n-Butylbenzene	50.000	50.006	-0.0	89	0.00
90	T	Hexachloroethane	50.000	48.482	3.0	94	0.00
91	T	1,2-Dichlorobenzene	50.000	50.175	-0.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.881	6.2	93	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.843	-3.7	93	0.00
94	T	Hexachlorobutadiene	50.000	47.058	5.9	98	0.00
95	T	Naphthalene	50.000	47.496	5.0	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.361	-2.7	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/28/2024 21:02

Lab File ID: VN084550.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.675	0.594	0.1	-12	50
Vinyl Chloride	0.654	0.604		-7.64	50
Bromomethane	0.431	0.382		-11.37	50
Chloroethane	0.468	0.380		-18.8	50
Trichlorofluoromethane	1.019	1.042		2.26	50
1,1,2-Trichlorotrifluoroethane	0.584	0.610		4.45	50
1,1-Dichloroethene	0.563	0.563		0	50
Acetone	0.318	0.263		-17.3	50
Carbon Disulfide	1.782	1.504		-15.6	50
Methyl tert-butyl Ether	1.900	1.983		4.37	50
Methylene Chloride	0.647	0.656		1.39	50
trans-1,2-Dichloroethene	0.590	0.597		1.19	50
1,1-Dichloroethane	1.131	1.181	0.1	4.42	50
2-Butanone	0.434	0.417		-3.92	50
Carbon Tetrachloride	0.525	0.548		4.38	50
cis-1,2-Dichloroethene	0.713	0.747		4.77	50
Chloroform	1.175	1.243		5.79	50
1,1,1-Trichloroethane	1.055	1.107		4.93	50
Methylcyclohexane	0.533	0.528		-0.94	50
Benzene	1.492	1.566		4.96	50
1,2-Dichloroethane	0.506	0.516		1.98	50
Trichloroethene	0.348	0.355		2.01	50
1,2-Dichloropropane	0.353	0.381		7.93	50
Bromodichloromethane	0.529	0.577		9.07	50
4-Methyl-2-Pentanone	0.468	0.512		9.4	50
Toluene	0.910	0.966		6.15	50
t-1,3-Dichloropropene	0.539	0.566		5.01	50
cis-1,3-Dichloropropene	0.580	0.614		5.86	50
1,1,2-Trichloroethane	0.326	0.366		12.27	50
2-Hexanone	0.349	0.374		7.16	50
Dibromochloromethane	0.385	0.431		11.95	50
Tetrachloroethene	0.348	0.344		-1.15	50
Chlorobenzene	1.109	1.144	0.3	3.16	50
Ethyl Benzene	1.961	2.025		3.26	50
m/p-Xylenes	0.725	0.788		8.69	50
o-Xylene	0.686	0.748		9.04	50
Styrene	1.162	1.312		12.91	50
Bromoform	0.281	0.318	0.1	13.17	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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: MSVOA_N Calibration Date/Time: 10/28/2024 21:02

Lab File ID: VN084550.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.815	3.459		-9.33	50
1,1,2,2-Tetrachloroethane	1.147	1.090	0.3	-4.97	50
1,3-Dichlorobenzene	1.727	1.615		-6.49	50
1,4-Dichlorobenzene	1.744	1.608		-7.8	50
1,2-Dichlorobenzene	1.693	1.541		-8.98	50
1,2-Dichloroethane-d4	0.741	0.754		1.75	50
Dibromofluoromethane	0.330	0.351		6.36	50
Toluene-d8	1.213	1.244		2.56	50
4-Bromofluorobenzene	0.442	0.487		10.18	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\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	161557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121750	50.827	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	8.165	113	98037	53.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.600%			
50) Toluene-d8	10.565	98	346993	51.281	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.847	95	135984	55.163	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	87893	45.994	ug/l	93
3) Chloromethane	2.359	50	95984	43.989	ug/l	99
4) Vinyl Chloride	2.512	62	97538	46.148	ug/l	99
5) Bromomethane	2.954	94	61670	44.236	ug/l	100
6) Chloroethane	3.118	64	61446	40.593	ug/l	94
7) Trichlorofluoromethane	3.495	101	168357	51.153	ug/l	100
8) Diethyl Ether	3.965	74	59166	48.471	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	98554	52.260	ug/l	99
10) Methyl Iodide	4.583	142	116600	48.011	ug/l	96
11) Tert butyl alcohol	5.512	59	81231	205.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	90931	49.989	ug/l	95
13) Acrolein	4.177	56	109315	241.078	ug/l	97
14) Allyl chloride	5.018	41	143147	45.312	ug/l	96
15) Acrylonitrile	5.718	53	256260	256.919	ug/l	99
16) Acetone	4.424	43	212070	206.092	ug/l	99
17) Carbon Disulfide	4.712	76	242934	42.182	ug/l	98
18) Methyl Acetate	5.018	43	134242	59.855	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	320371	52.182	ug/l	97
20) Methylene Chloride	5.277	84	105926	50.640	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	96468	50.620	ug/l	97
22) Diisopropyl ether	6.665	45	341825	52.311	ug/l	99
23) Vinyl Acetate	6.600	43	1255111	258.966	ug/l	100
24) 1,1-Dichloroethane	6.565	63	190723	52.192	ug/l	100
25) 2-Butanone	7.483	43	336778	240.294	ug/l	97
26) 2,2-Dichloropropane	7.489	77	151767	46.062	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	120655	52.393	ug/l	95
28) Bromochloromethane	7.812	49	79971	49.048	ug/l	98
29) Tetrahydrofuran	7.836	42	223740	258.688	ug/l	98
30) Chloroform	7.965	83	200839	52.910	ug/l	96
31) Cyclohexane	8.253	56	158787	44.753	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	178824	52.455	ug/l	98
36) 1,1-Dichloropropene	8.371	75	136466	51.083	ug/l	98
37) Ethyl Acetate	7.559	43	138459	50.519	ug/l	100
38) Carbon Tetrachloride	8.359	117	152948	52.192	ug/l	97
39) Methylcyclohexane	9.600	83	147244	49.523	ug/l	99
40) Benzene	8.606	78	436967	52.498	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	75268	50.587	ug/l		95
42) 1,2-Dichloroethane	8.665	62	143860	50.982	ug/l		100
43) Isopropyl Acetate	8.683	43	298972m	55.693	ug/l		
44) Trichloroethene	9.347	130	99088	50.971	ug/l		98
45) 1,2-Dichloropropane	9.618	63	106420	54.048	ug/l		95
46) Dibromomethane	9.706	93	74219	55.856	ug/l		97
47) Bromodichloromethane	9.888	83	160866	54.492	ug/l		99
48) Methyl methacrylate	9.677	41	113027	52.892	ug/l		99
49) 1,4-Dioxane	9.694	88	35625	905.532	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	714789	273.966	ug/l		99
52) Toluene	10.630	92	269489	53.095	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	157811	52.443	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	171155	52.878	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	102065	56.093	ug/l		96
56) Ethyl methacrylate	10.871	69	166194	55.509	ug/l		98
57) 1,3-Dichloropropane	11.159	76	175092	53.853	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	387998	279.356	ug/l		97
59) 2-Hexanone	11.194	43	521443	267.402	ug/l		99
60) Dibromochloromethane	11.359	129	120370	55.989	ug/l		99
61) 1,2-Dibromoethane	11.471	107	101246	53.550	ug/l		98
64) Tetrachloroethene	11.100	164	87317	49.432	ug/l		98
65) Chlorobenzene	11.888	112	290060	51.584	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	102132	52.733	ug/l		100
67) Ethyl Benzene	11.959	91	513576	51.646	ug/l		99
68) m/p-Xylenes	12.065	106	399929	108.723	ug/l		99
69) o-Xylene	12.394	106	189624	54.486	ug/l		99
70) Styrene	12.412	104	332772	56.451	ug/l		98
71) Bromoform	12.576	173	80632	56.547	ug/l	#	97
73) Isopropylbenzene	12.694	105	479901	45.329	ug/l		99
74) N-amyl acetate	12.494	43	210653	43.939	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	151201	47.496	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	137440m	48.524	ug/l		
77) Bromobenzene	12.976	156	119941	46.967	ug/l		93
78) n-propylbenzene	13.035	91	591943	48.258	ug/l		99
79) 2-Chlorotoluene	13.123	91	358796	45.840	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	420006	48.634	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	51825	43.866	ug/l		93
82) 4-Chlorotoluene	13.218	91	364214	46.224	ug/l		98
83) tert-Butylbenzene	13.435	119	353200	46.015	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	422000	48.507	ug/l		99
85) sec-Butylbenzene	13.612	105	495670	48.392	ug/l		100
86) p-Isopropyltoluene	13.729	119	416611	49.188	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	224117	46.781	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	223063	46.106	ug/l		99
89) n-Butylbenzene	14.053	91	368986	48.044	ug/l		100
90) Hexachloroethane	14.335	117	77012	44.795	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	213812	45.515	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28331	43.126	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111223	48.069	ug/l		99
94) Hexachlorobutadiene	15.500	225	49291	42.717	ug/l		98
95) Naphthalene	15.641	128	350781	45.730	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	110954	47.905	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
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Instrument :
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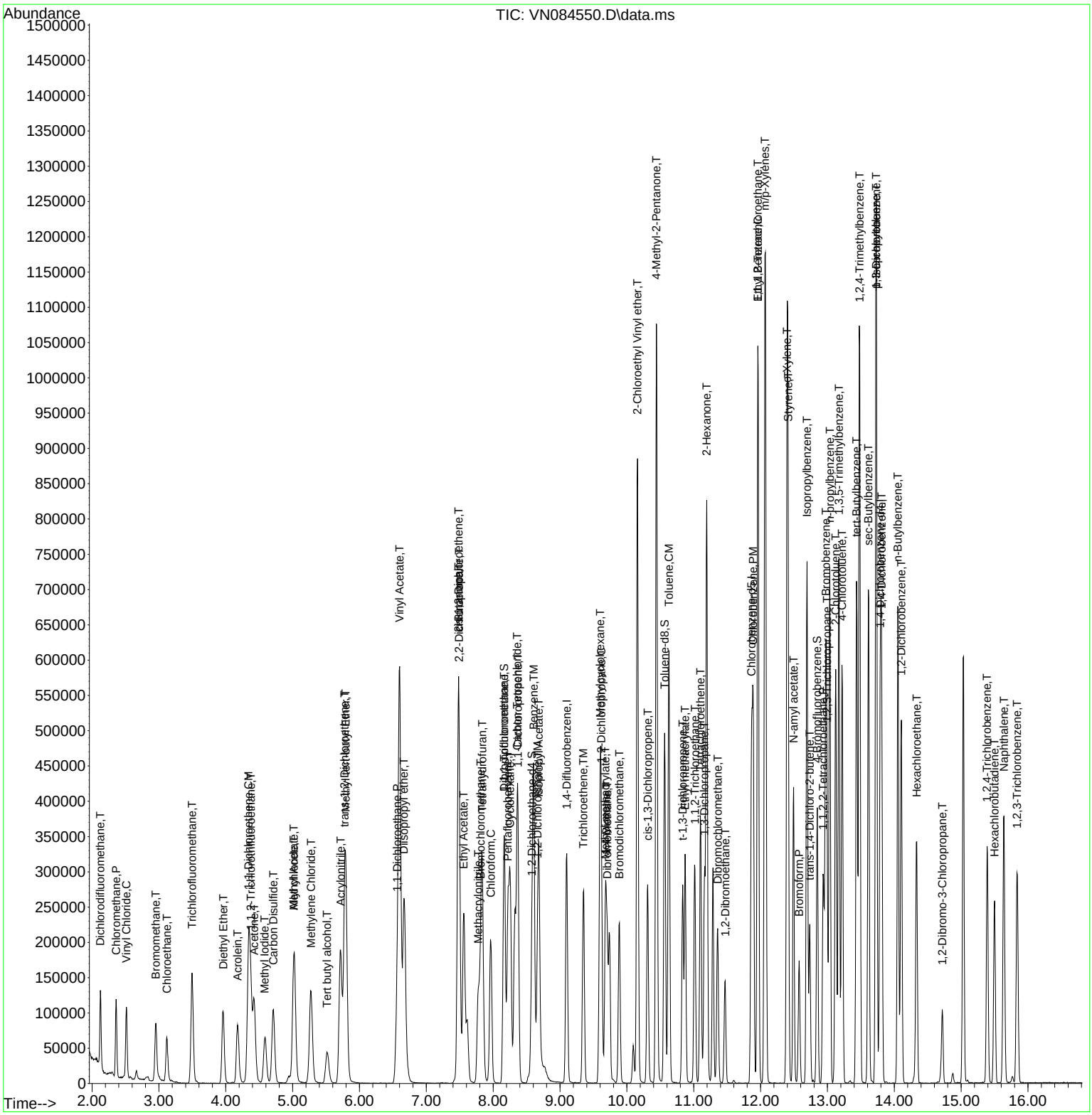
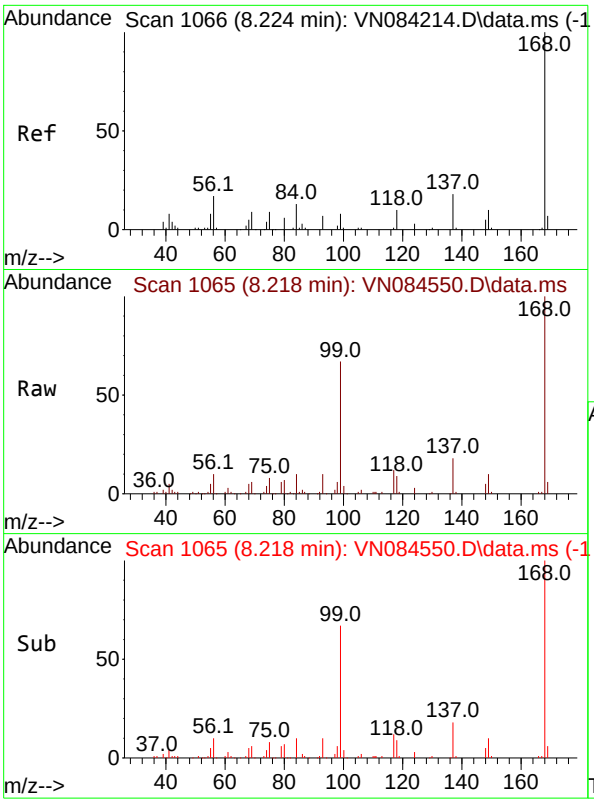
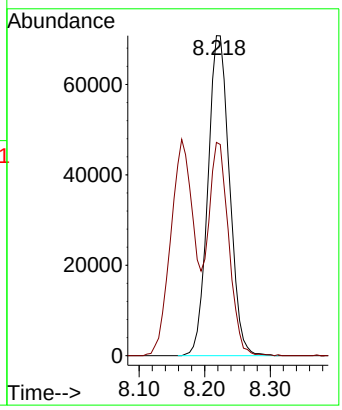




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:168 Resp: 16155

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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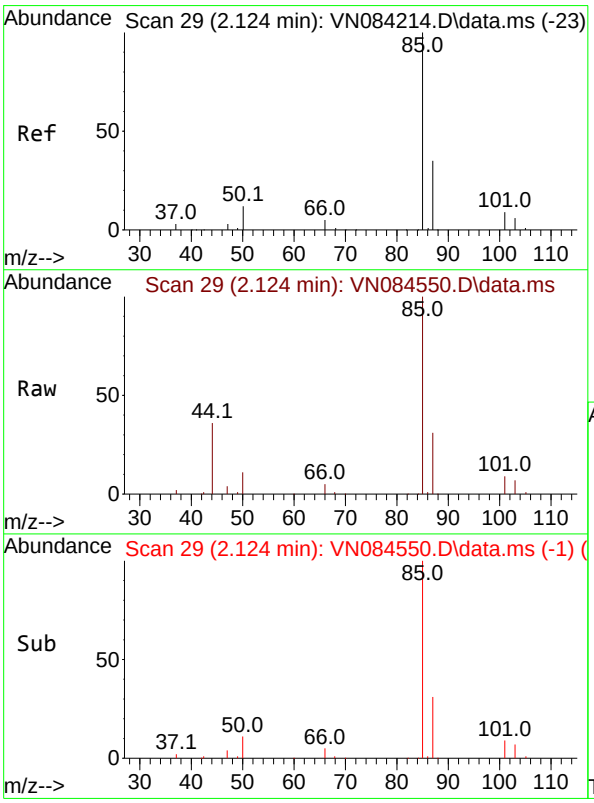
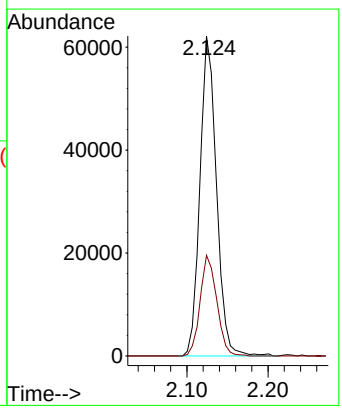
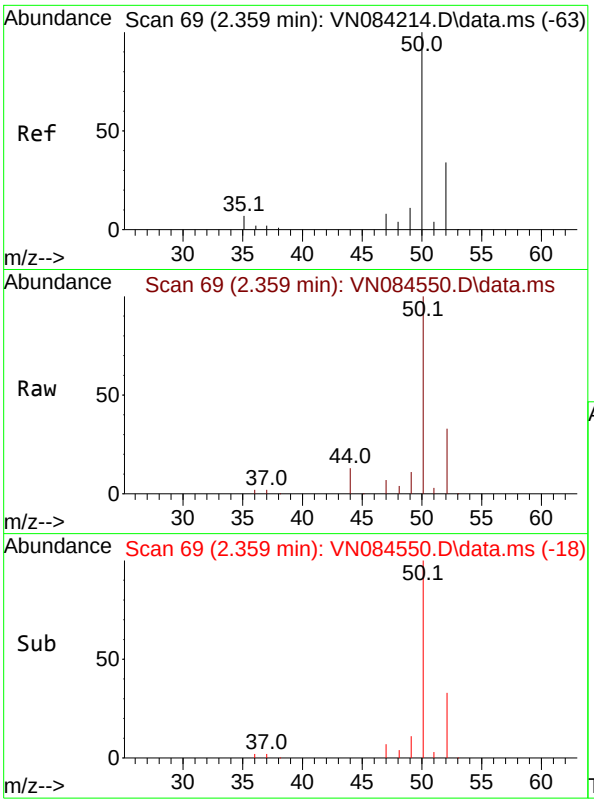


#2
Dichlorodifluoromethane
Concen: 45.994 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 85 Resp: 87893

Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.6	52.9

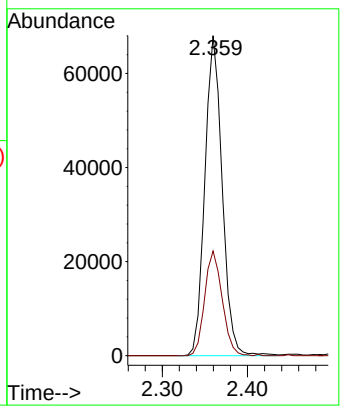




#3
Chloromethane
Concen: 43.989 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 50 Resp: 9598

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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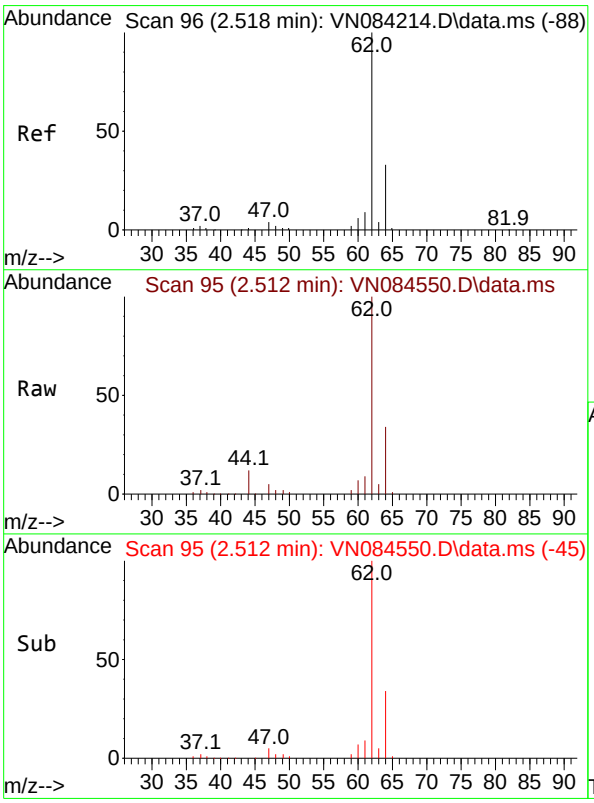
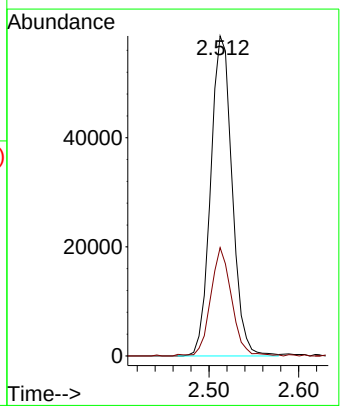
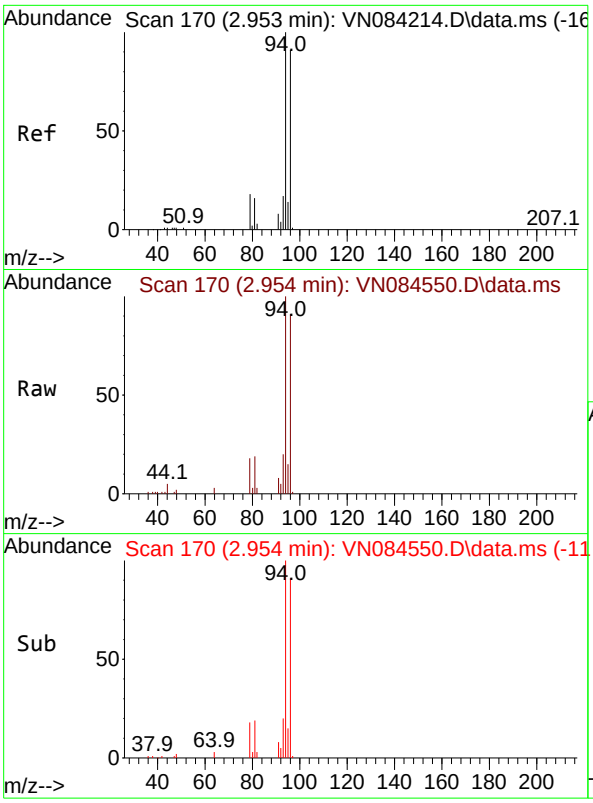


#4
Vinyl Chloride
Concen: 46.148 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 62 Resp: 97538

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.2	39.4

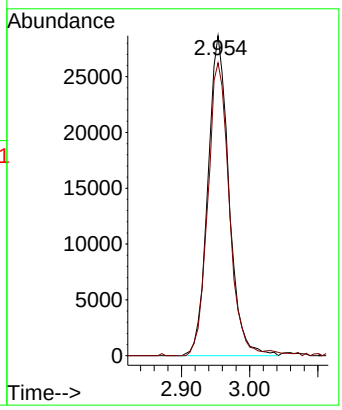




#5
Bromomethane
Concen: 44.236 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 94 Resp: 6167

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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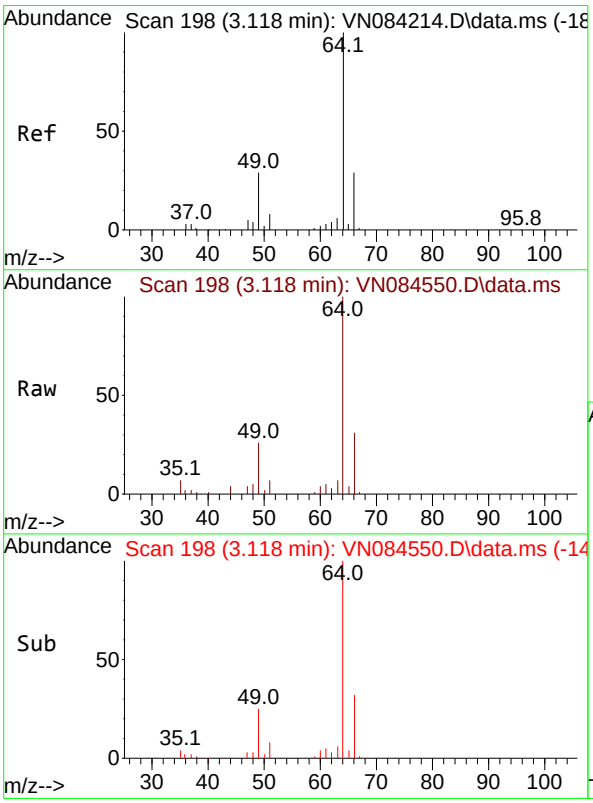
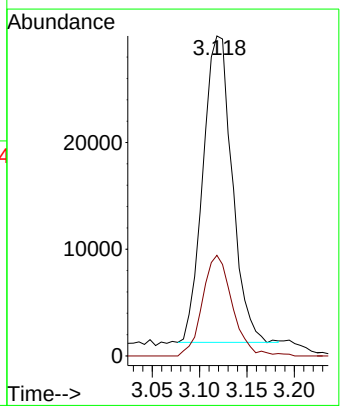
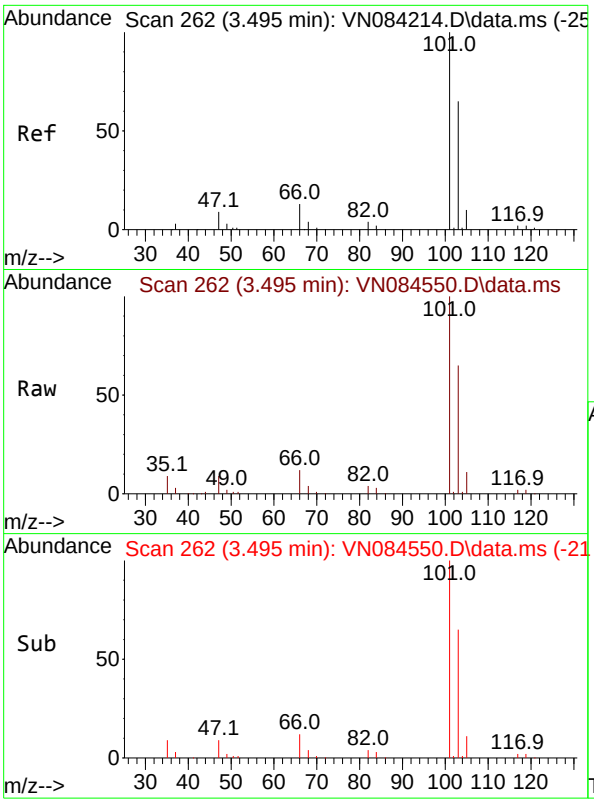


#6
Chloroethane
Concen: 40.593 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 64 Resp: 61446

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

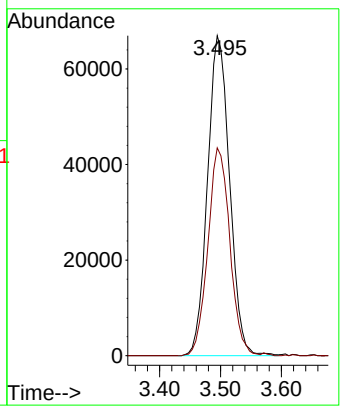




#7
Trichlorofluoromethane
Concen: 51.153 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:101 Resp: 16835

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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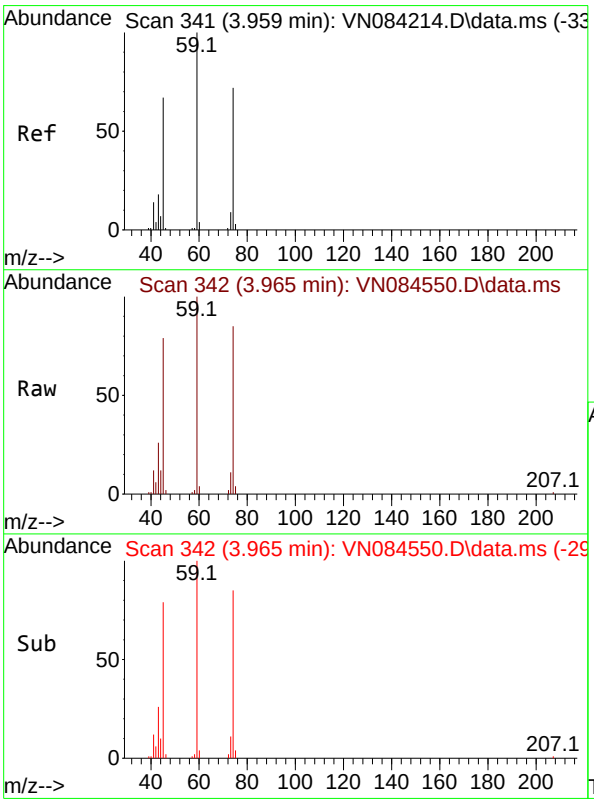
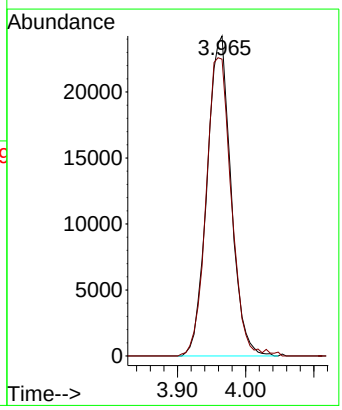
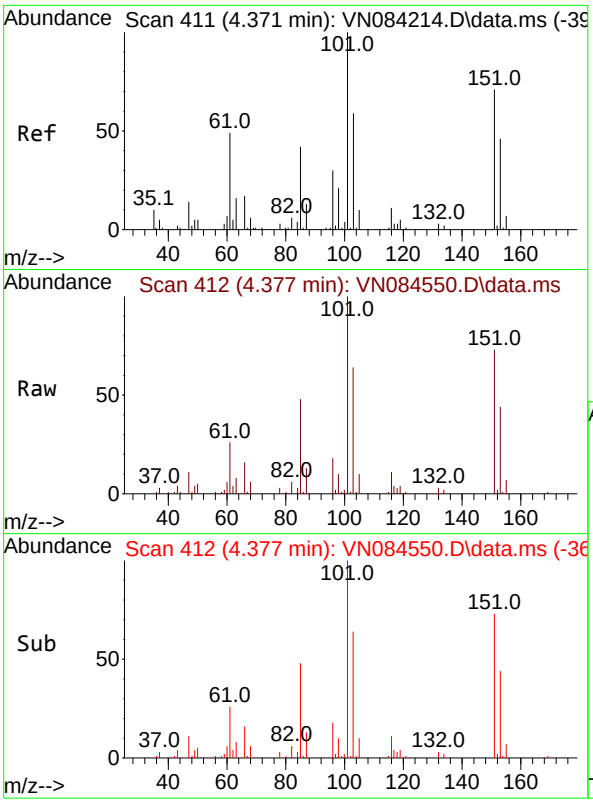


#8
Diethyl Ether
Concen: 48.471 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 74 Resp: 59166

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.260 ug/l
RT: 4.377 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:101 Resp: 9855

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	73.4	59.3	88.9

Instrument :
MSVOA_N
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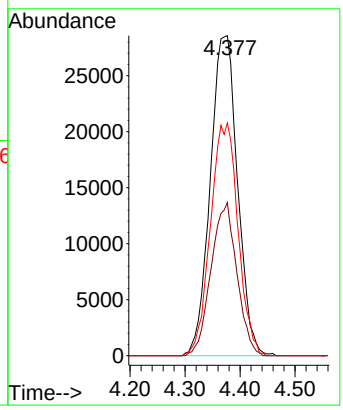
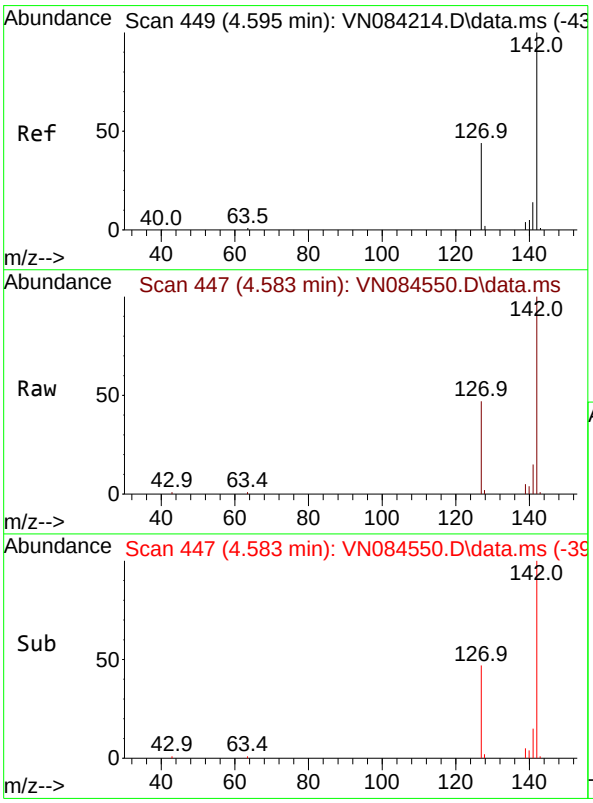
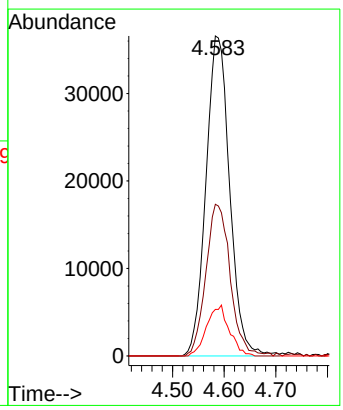


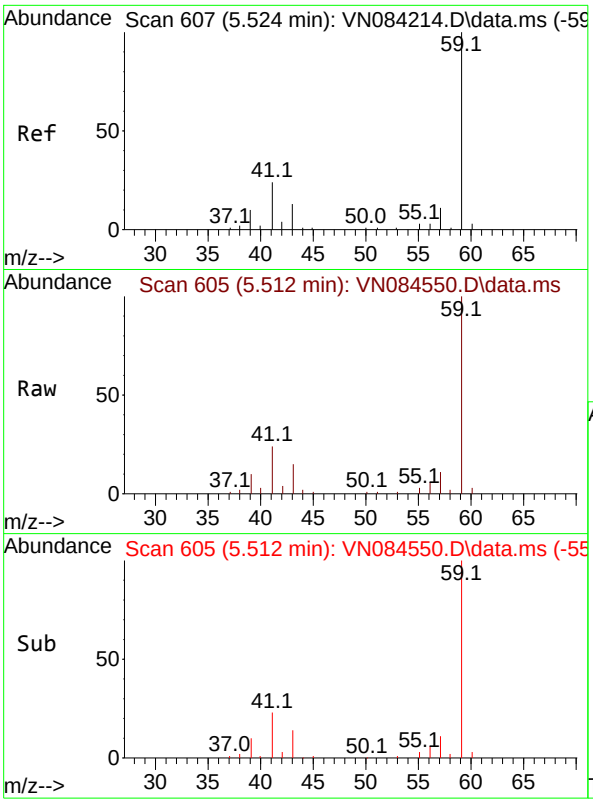


#10
Methyl Iodide
Concen: 48.011 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:142 Resp: 116600

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.3	52.9
141	14.6	11.0	16.6

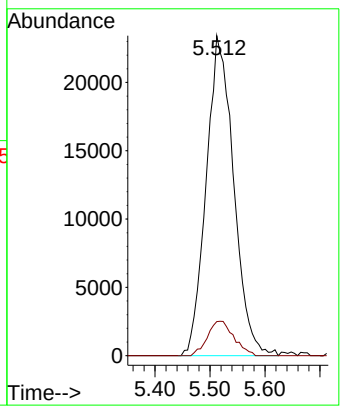




#11
Tert butyl alcohol
Concen: 205.659 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 59 Resp: 8123

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
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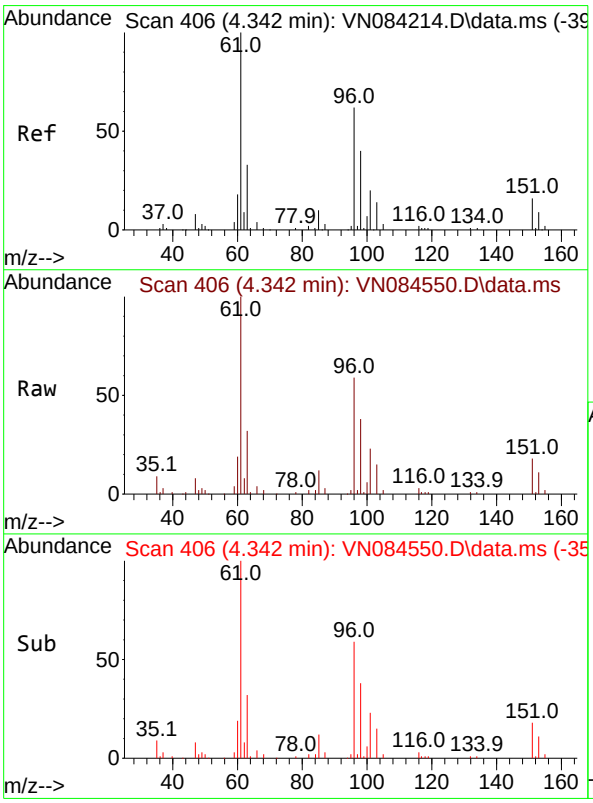
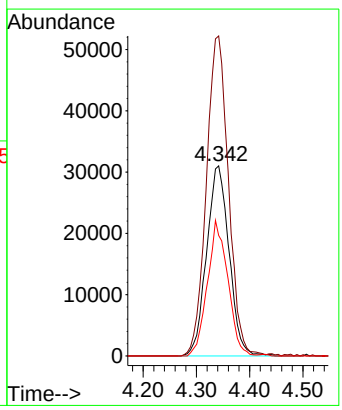
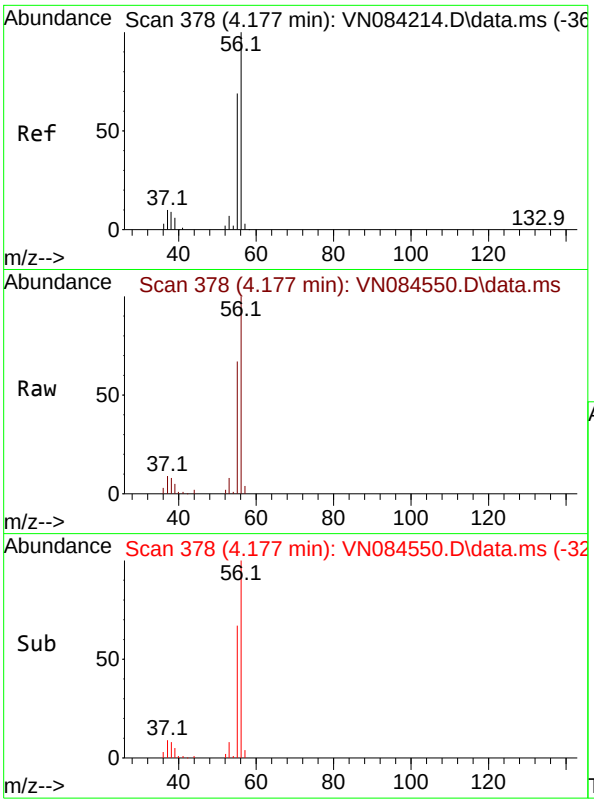


#12
1,1-Dichloroethene
Concen: 49.989 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 96 Resp: 90931

Ion	Ratio	Lower	Upper
96	100		
61	168.4	128.6	192.8
98	63.4	51.7	77.5

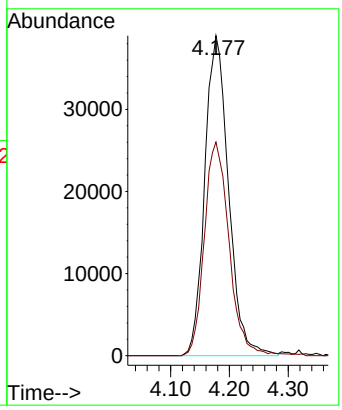




#13
Acrolein
Concen: 241.078 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 56 Resp: 10931

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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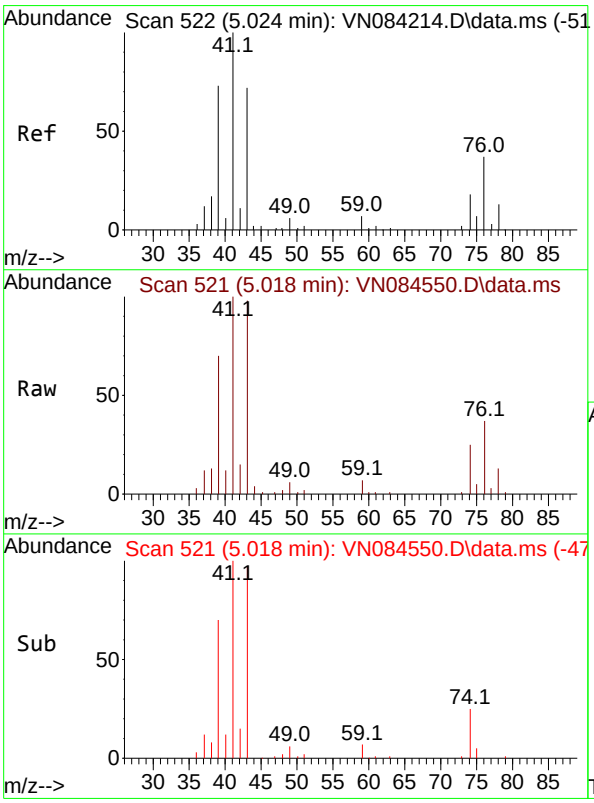
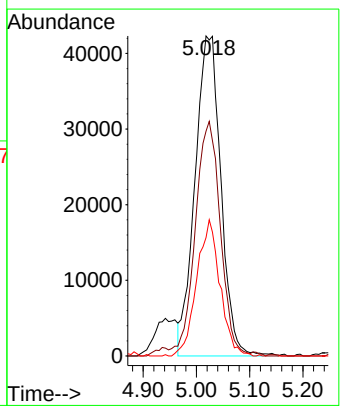
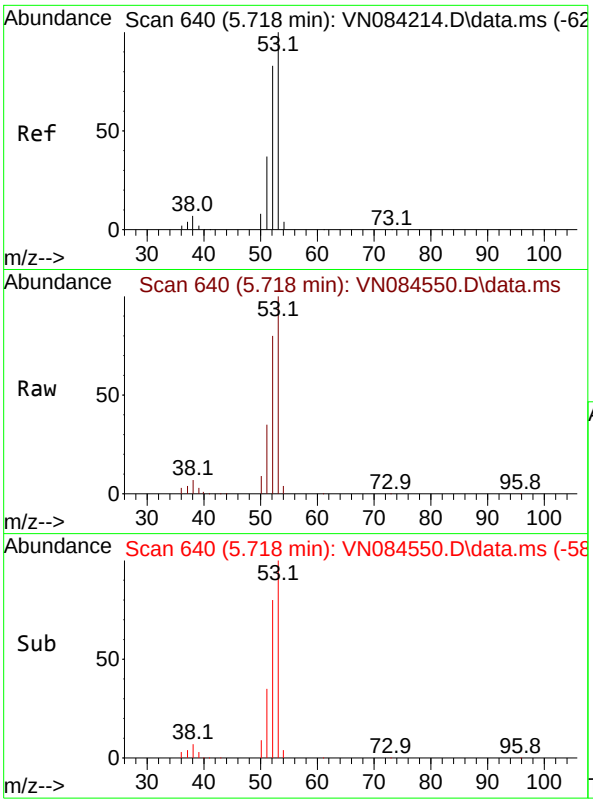


#14
Allyl chloride
Concen: 45.312 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 41 Resp: 143147

Ion	Ratio	Lower	Upper
41	100		
39	69.8	59.0	88.6
76	38.3	29.8	44.6

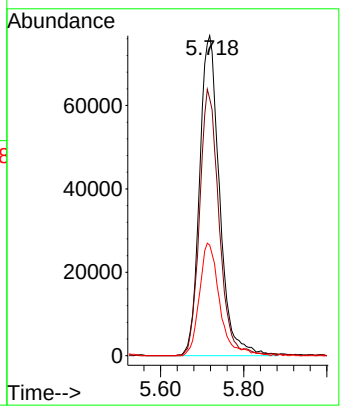




#15
Acrylonitrile
Concen: 256.919 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 53 Resp: 25626

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.4
51	35.7	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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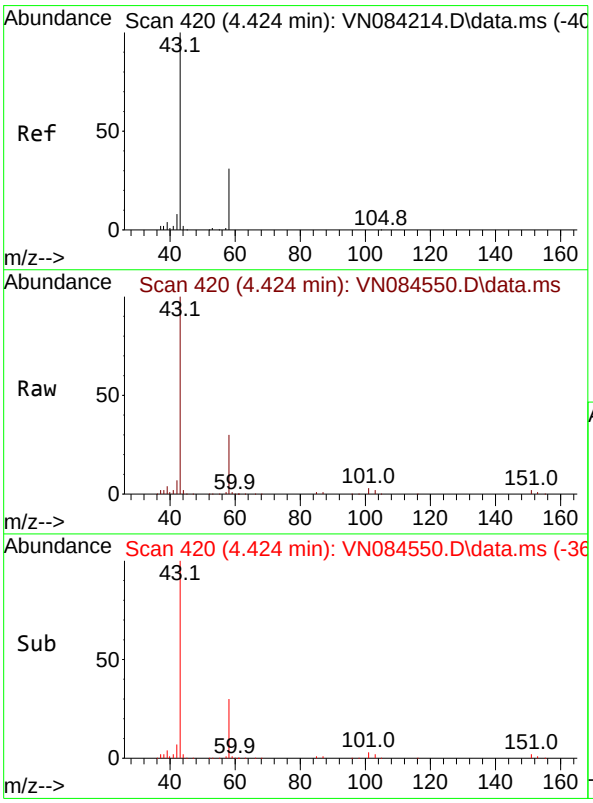
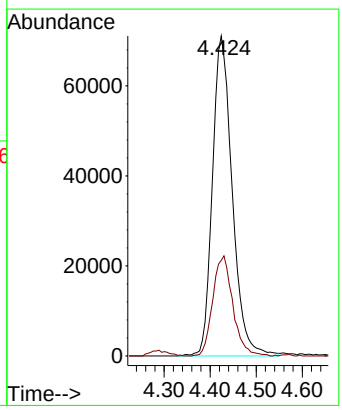
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

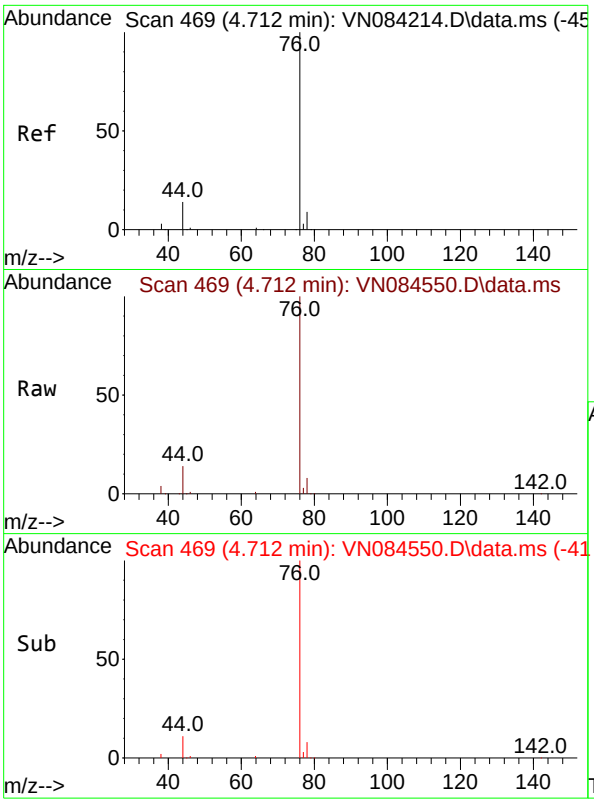


#16
Acetone
Concen: 206.092 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 212070

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





#17
Carbon Disulfide
Concen: 42.182 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 76 Resp: 24293

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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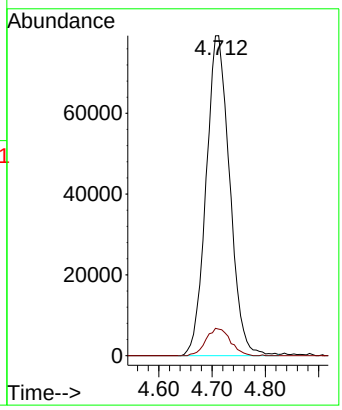
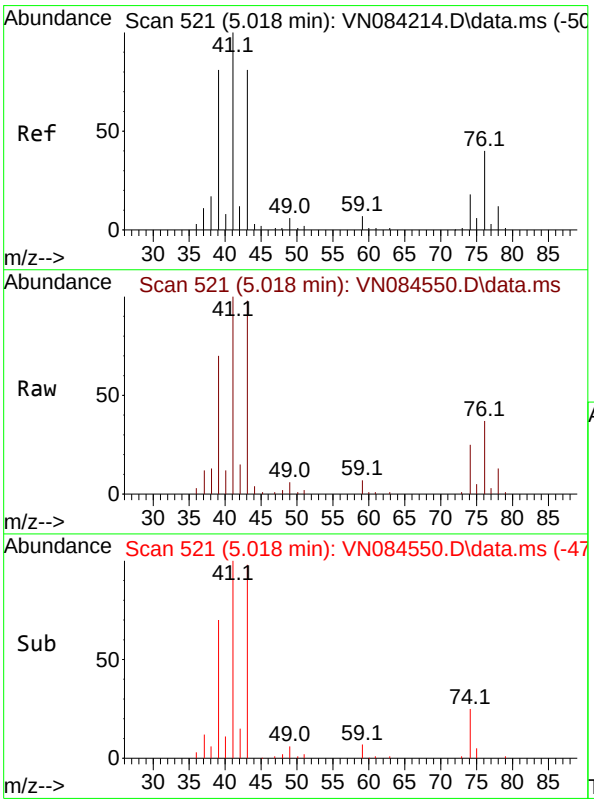
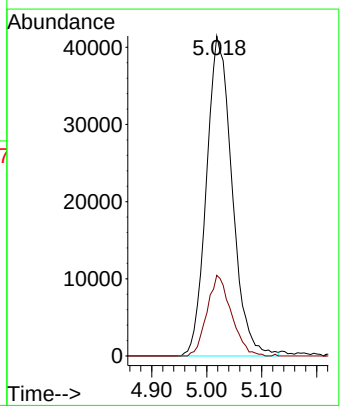


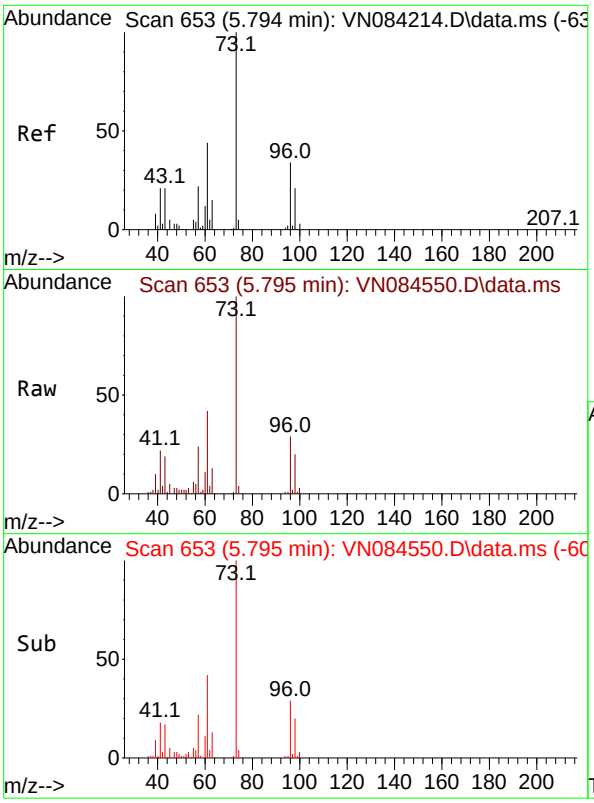


#18
Methyl Acetate
Concen: 59.855 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 134242

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





#19
Methyl tert-butyl Ether
Concen: 52.182 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 73 Resp: 32037

Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.7	26.5

Instrument :
MSVOA_N
ClientSampleId :
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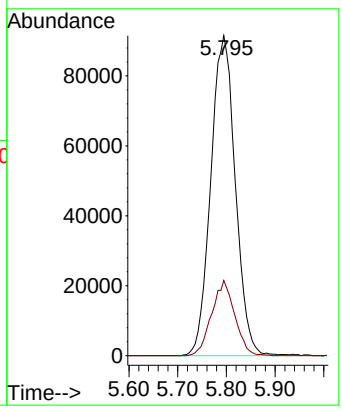
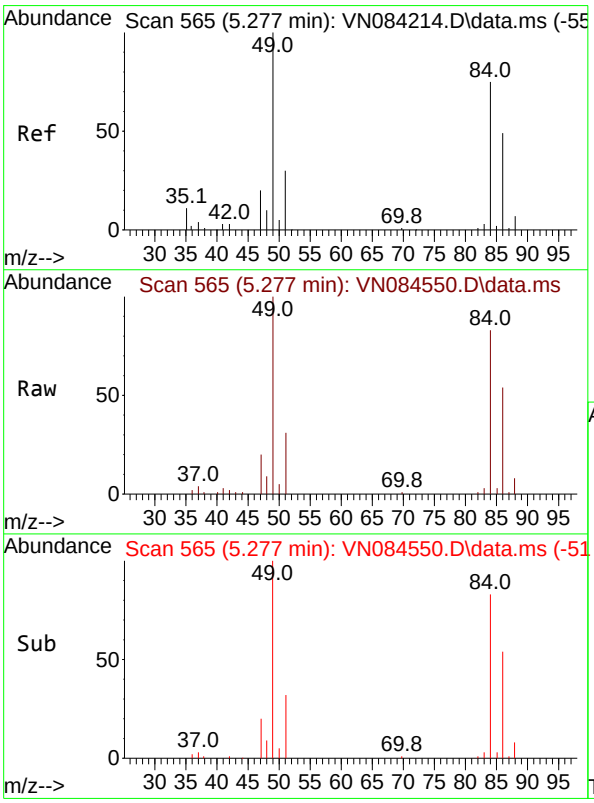
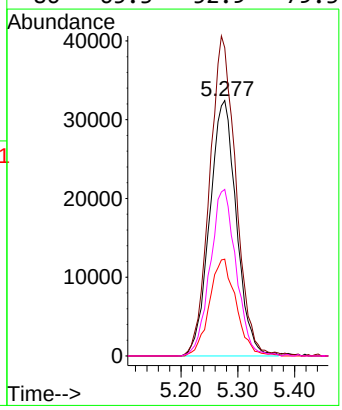


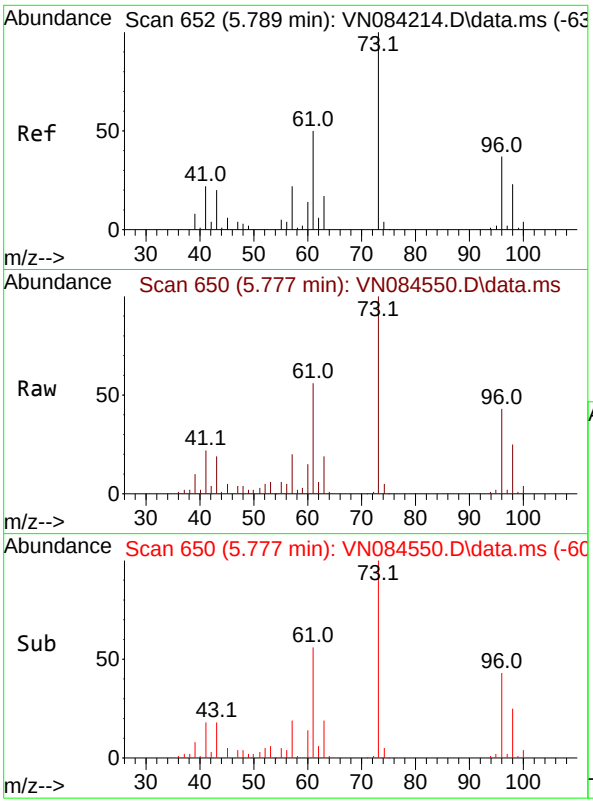


#20
Methylene Chloride
Concen: 50.640 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 84 Resp: 105926

Ion	Ratio	Lower	Upper
84	100		
49	120.7	107.2	160.8
51	37.9	31.8	47.8
86	65.3	52.9	79.3

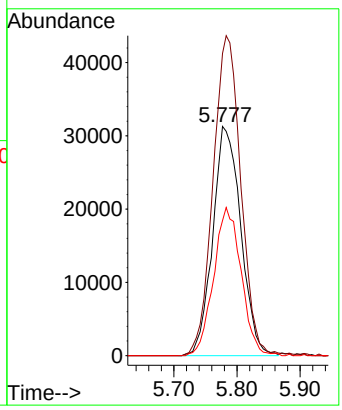




#21
trans-1,2-Dichloroethene
Concen: 50.620 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 96 Resp: 9646

Ion	Ratio	Lower	Upper
96	100		
61	131.8	108.4	162.6
98	58.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
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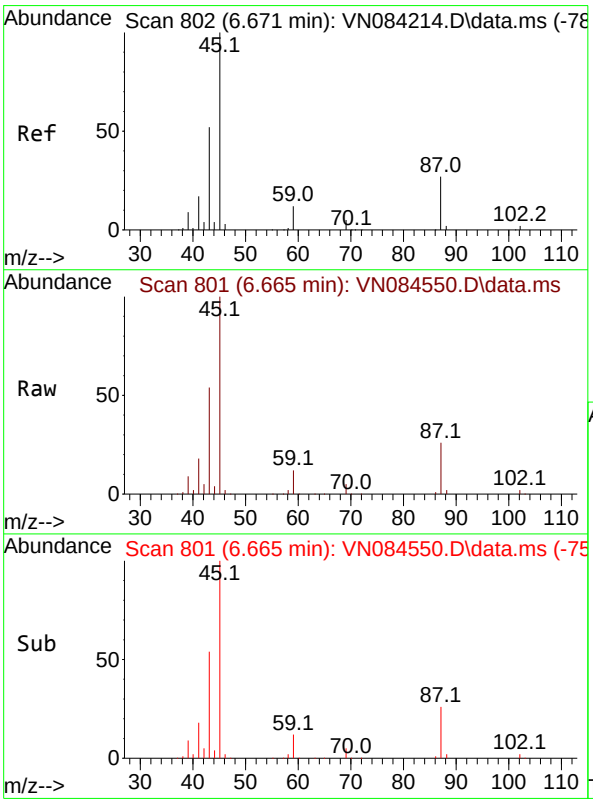
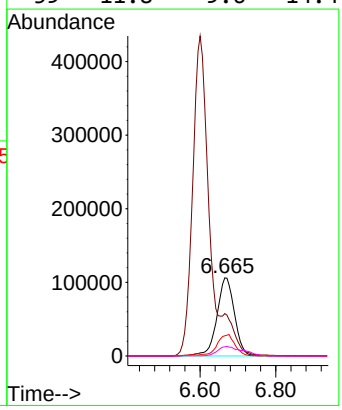
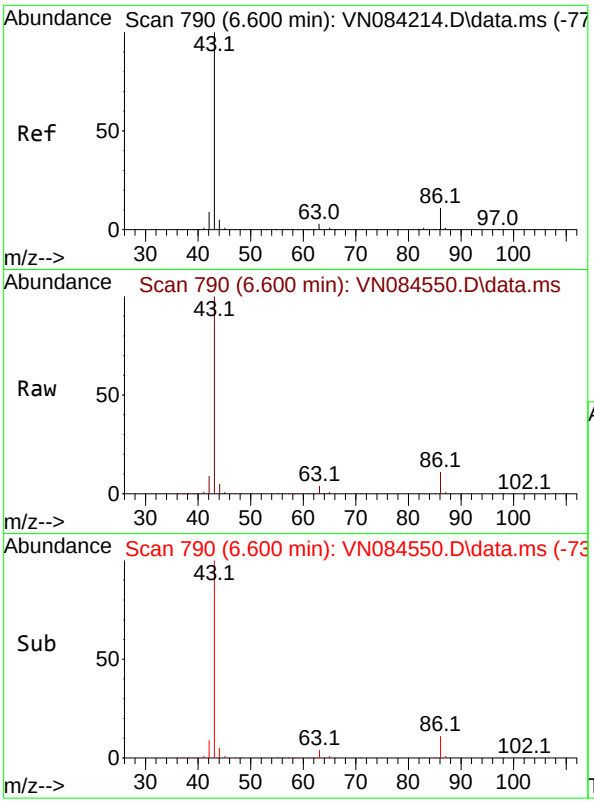


#22
Diisopropyl ether
Concen: 52.311 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 45 Resp: 341825

Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.3	63.5
87	25.9	21.8	32.6
59	11.8	9.6	14.4





#23
Vinyl Acetate
Concen: 258.966 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 125511

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
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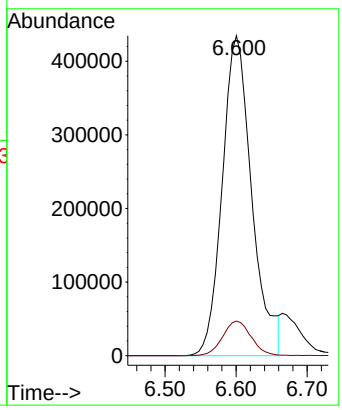
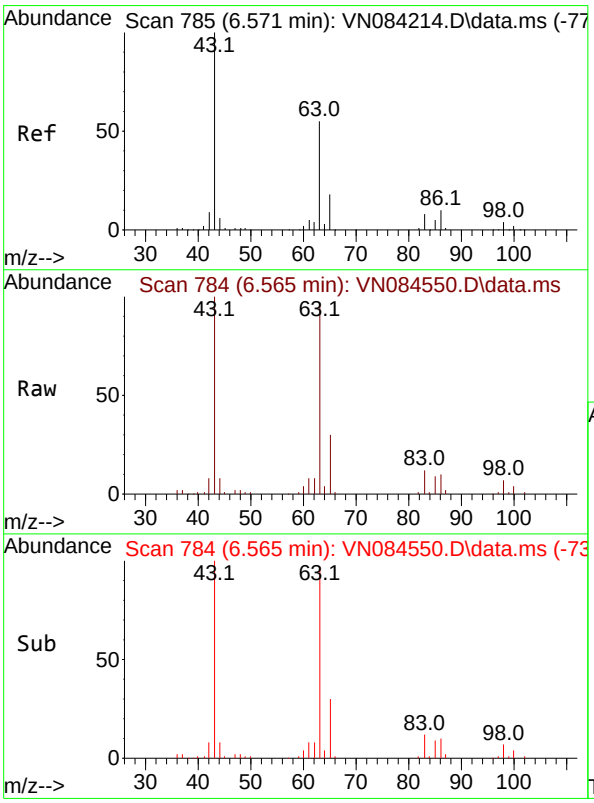
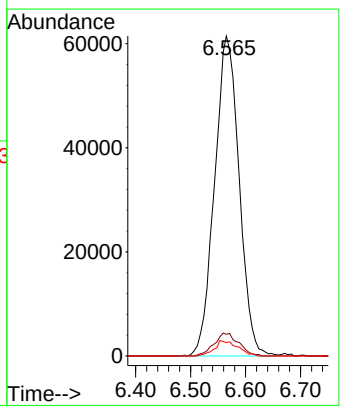


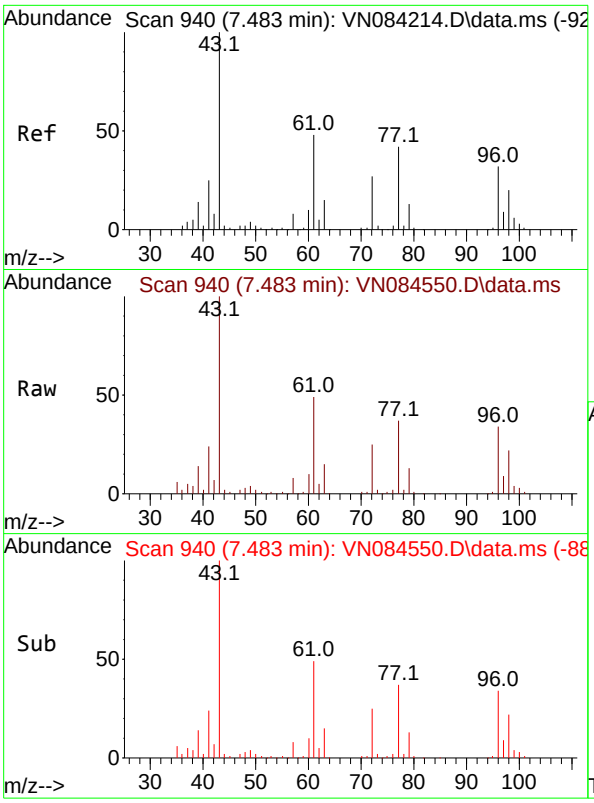


#24
1,1-Dichloroethane
Concen: 52.192 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 63 Resp: 190723

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.2	2.0	5.8





#25
2-Butanone
Concen: 240.294 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 33677

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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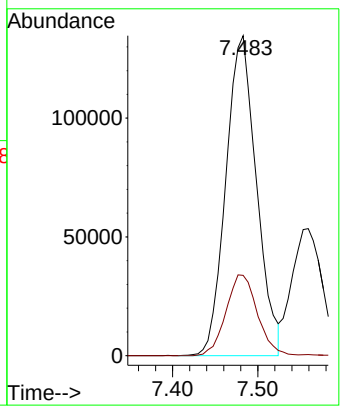
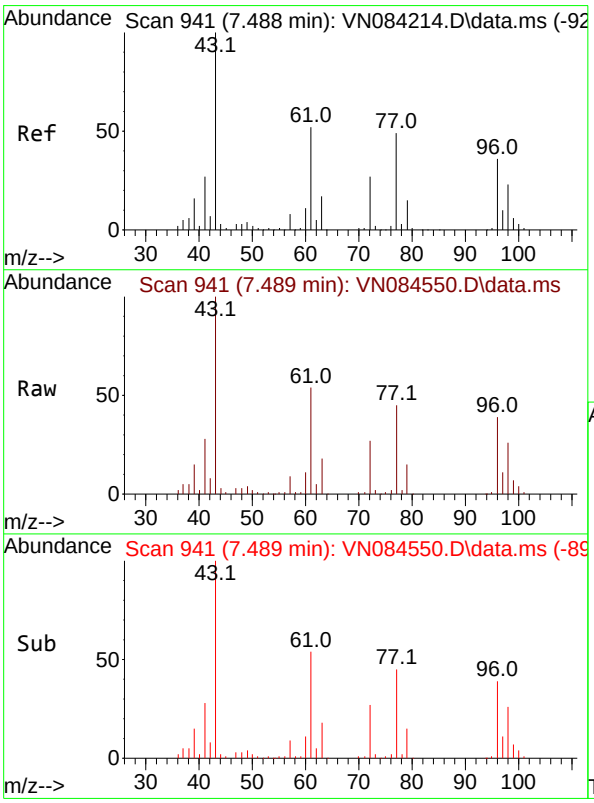
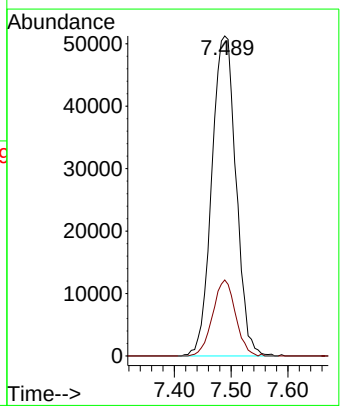


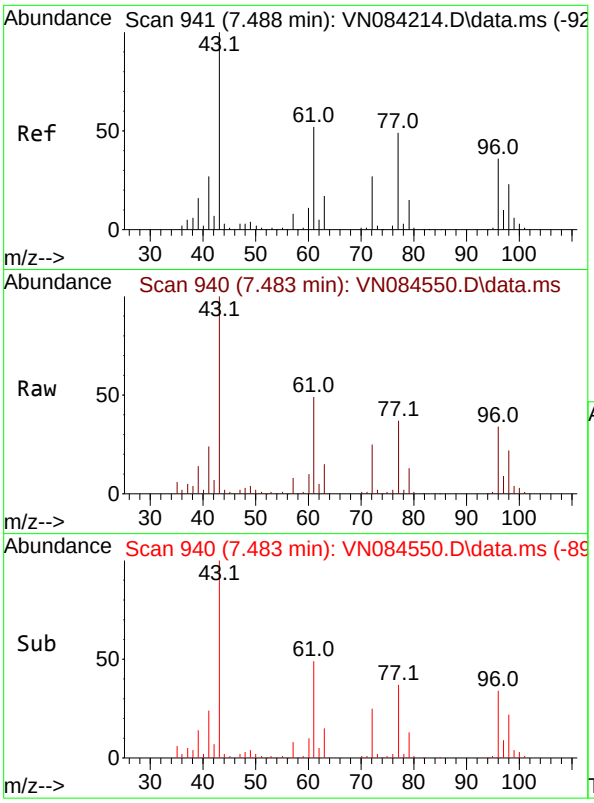


#26
2,2-Dichloropropane
Concen: 46.062 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 77 Resp: 151767

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 52.393 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 96 Resp: 12065

Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	301.8
98	63.7	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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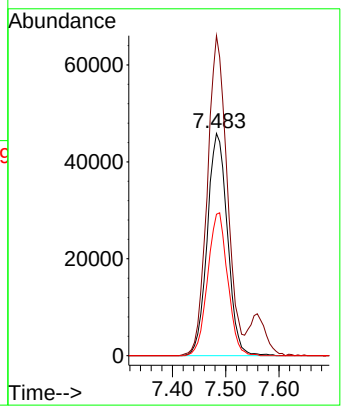
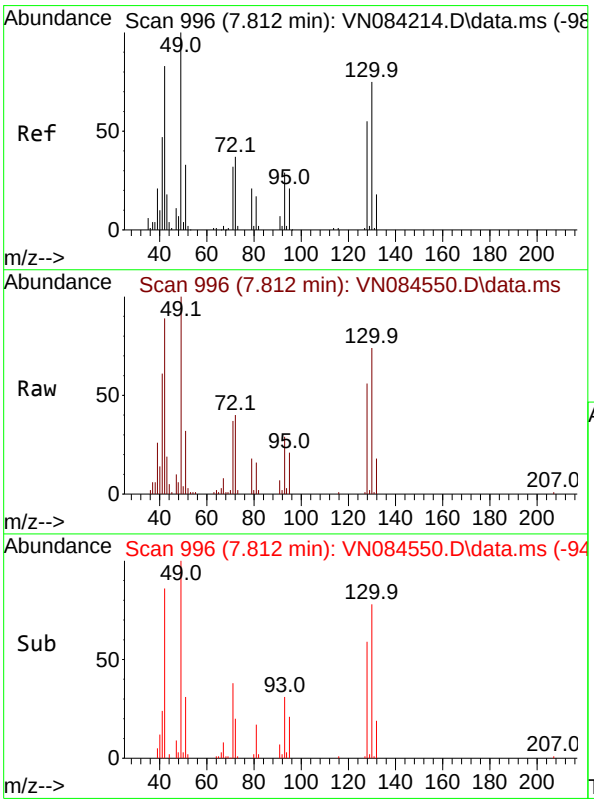
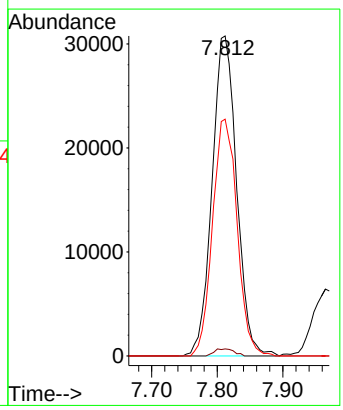


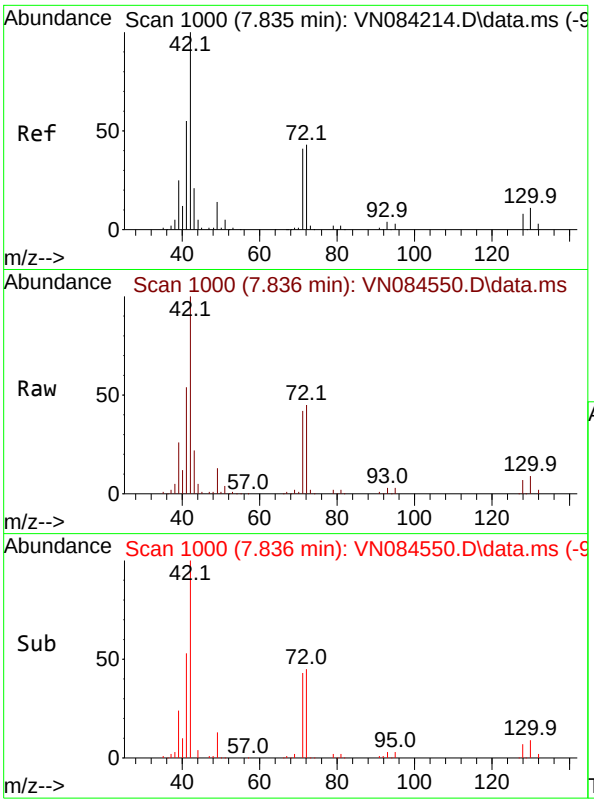


#28
Bromochloromethane
Concen: 49.048 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 49 Resp: 79971

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	74.0	58.0	87.0

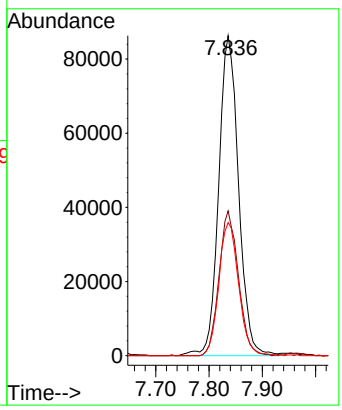




#29
Tetrahydrofuran
Concen: 258.688 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 42 Resp: 22374

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	51.8
71	41.4	32.2	48.4



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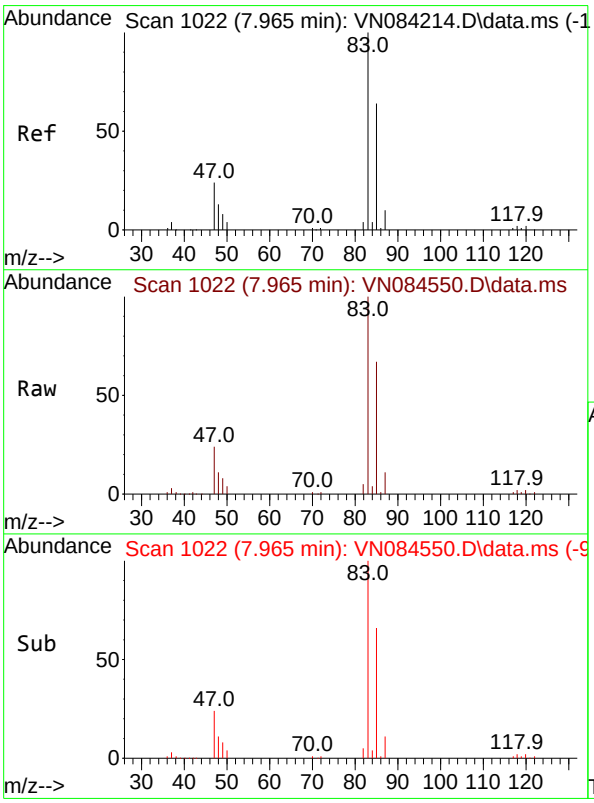
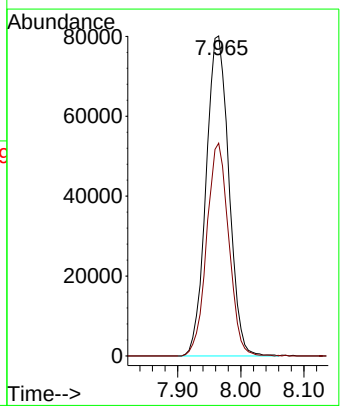
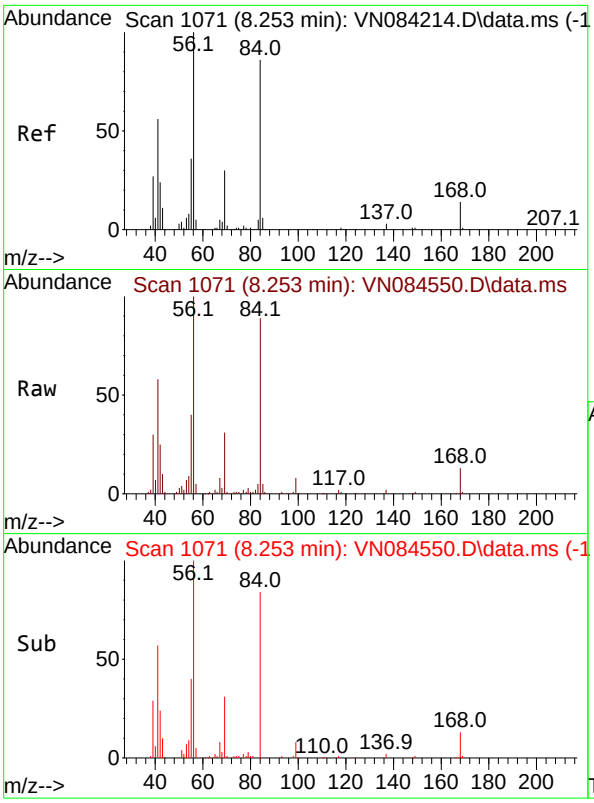


#30
Chloroform
Concen: 52.910 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 83 Resp: 200839

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.0	76.4

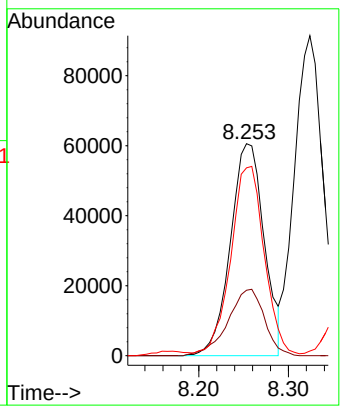




#31
Cyclohexane
Concen: 44.753 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 56 Resp: 15878

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	86.7	68.8	103.2



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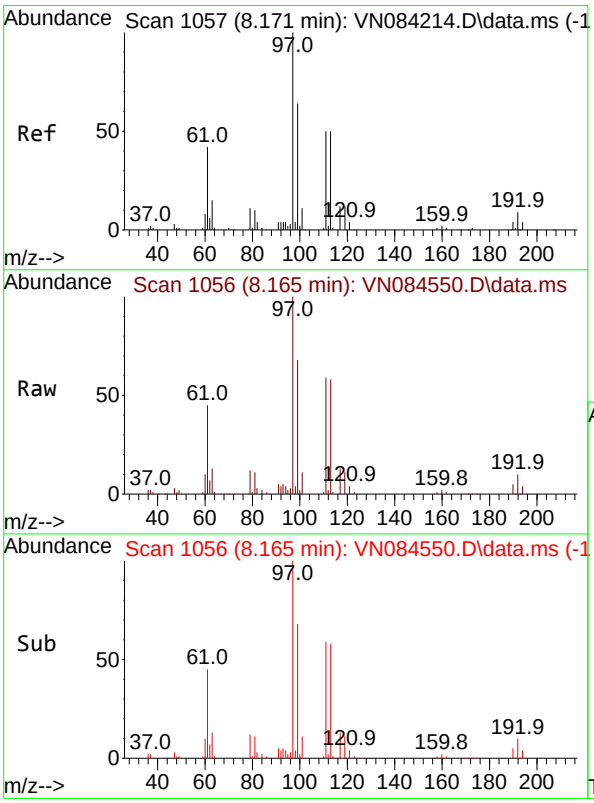
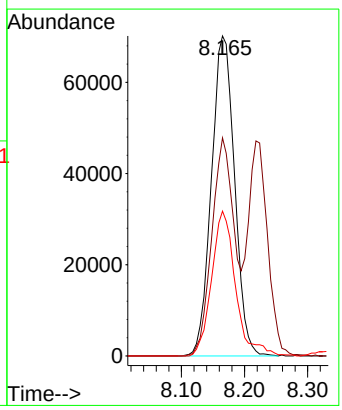
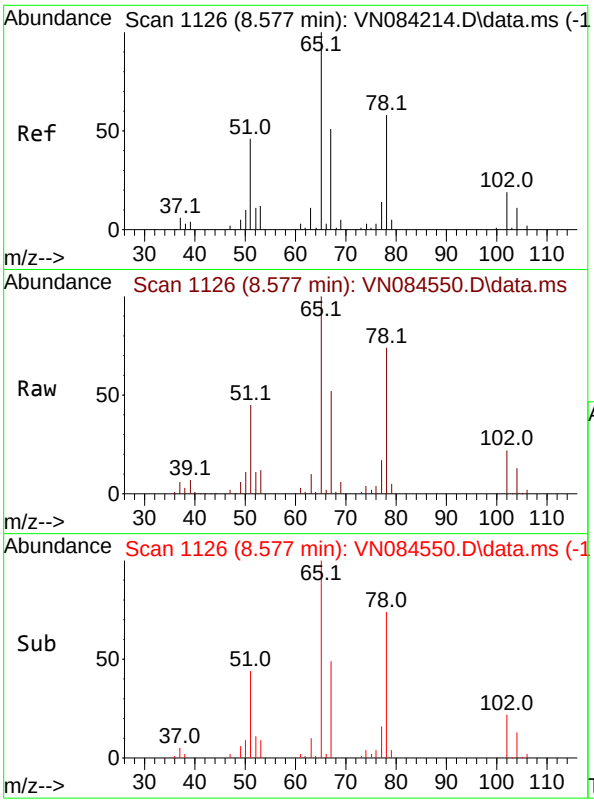


#32
1,1,1-Trichloroethane
Concen: 52.455 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 97 Resp: 178824

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	46.8	37.5	56.3

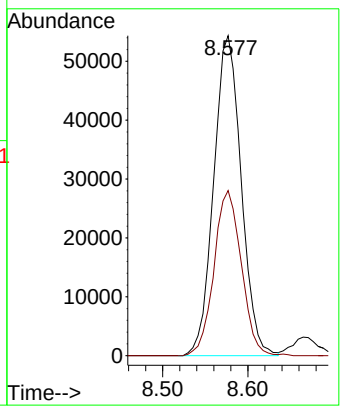




#33
1,2-Dichloroethane-d4
Concen: 50.827 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 65 Resp: 12175

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.0



Instrument :
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ClientSampleId :
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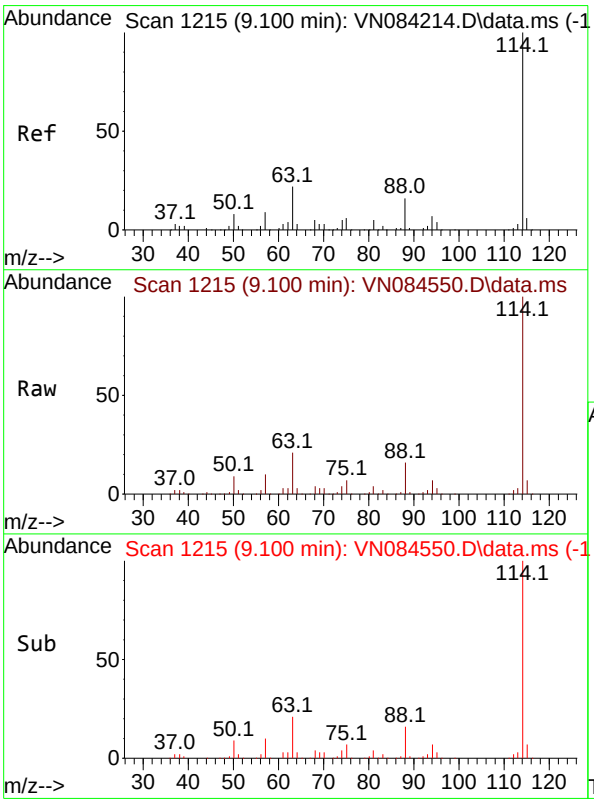
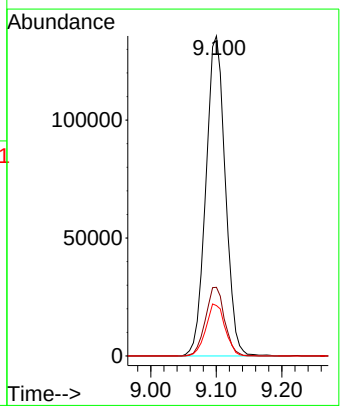
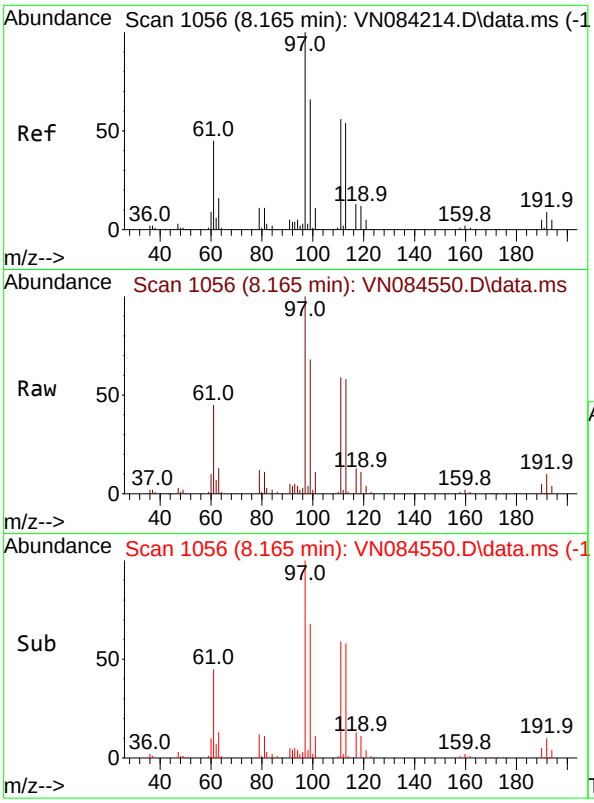


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:114 Resp: 278976

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	15.8	0.0	31.6

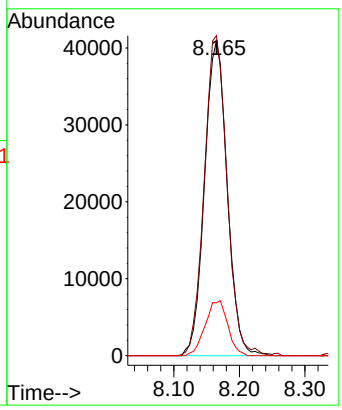




#35
Dibromofluoromethane
Concen: 53.305 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:113 Resp: 9803

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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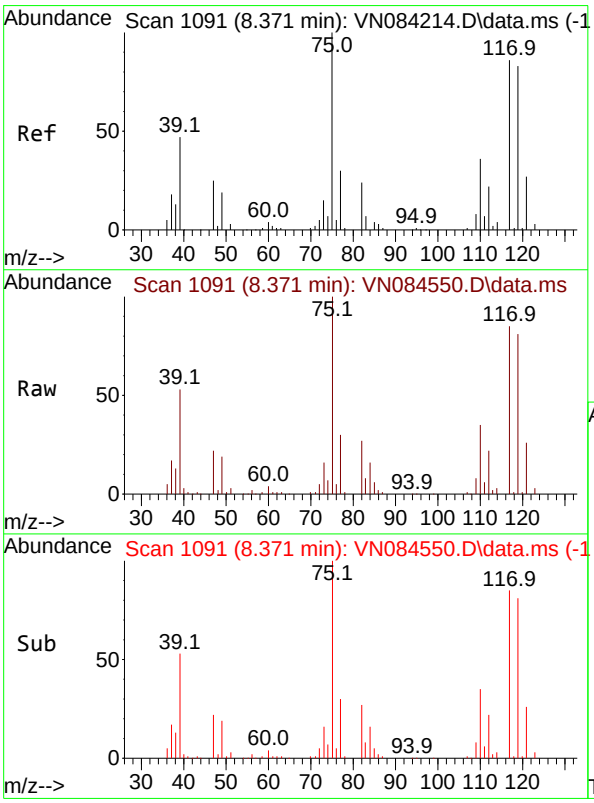
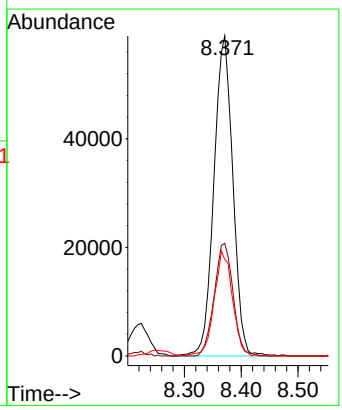
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

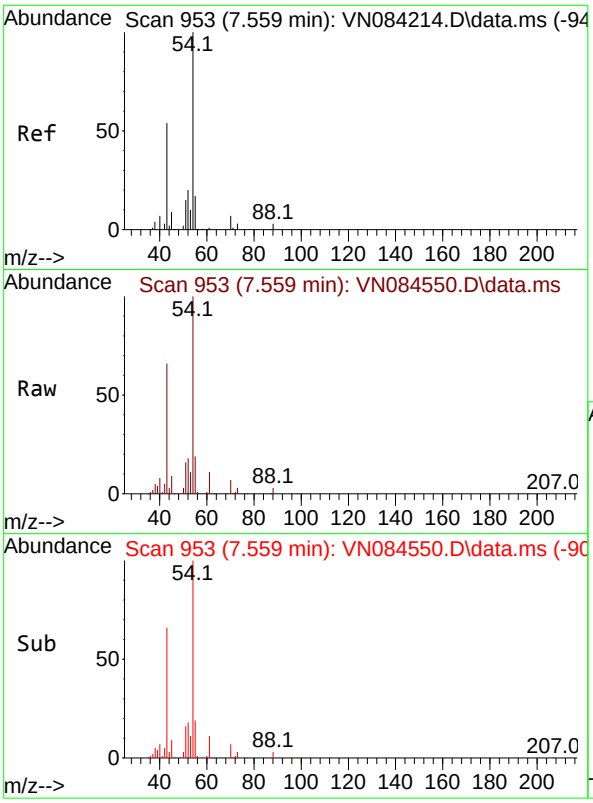


#36
1,1-Dichloropropene
Concen: 51.083 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 136466

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	31.7	24.7	37.1





#37
Ethyl Acetate
Concen: 50.519 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 13845

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	11.2	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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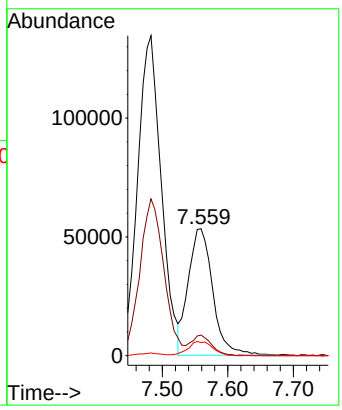
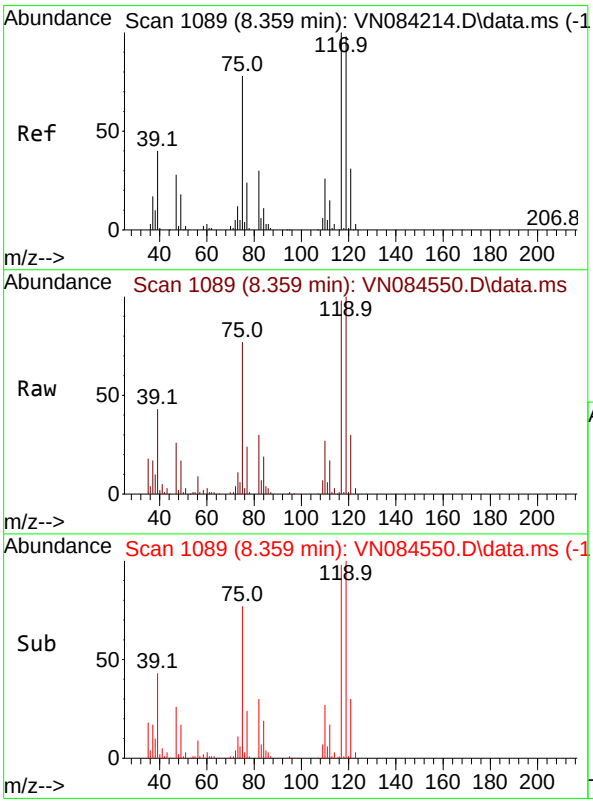
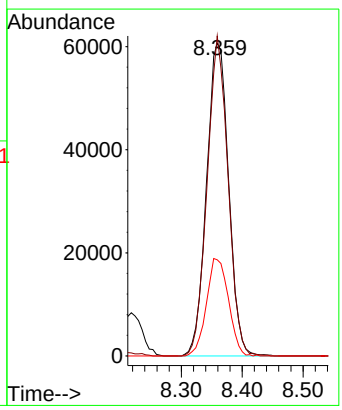


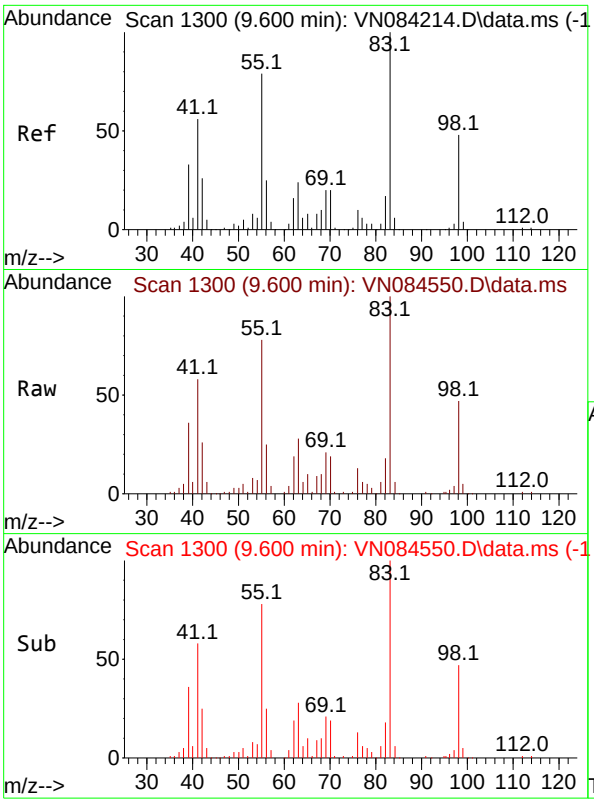


#38
Carbon Tetrachloride
Concen: 52.192 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:117 Resp: 152948

Ion	Ratio	Lower	Upper
117	100		
119	102.4	78.7	118.1
121	30.8	24.4	36.6

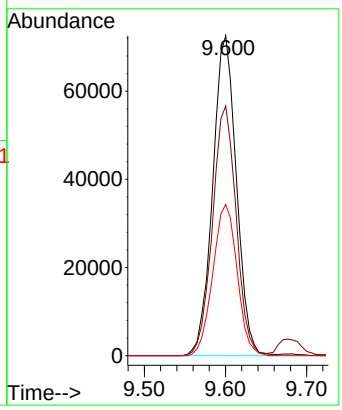




#39
Methylcyclohexane
Concen: 49.523 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 83 Resp: 14724

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	47.2	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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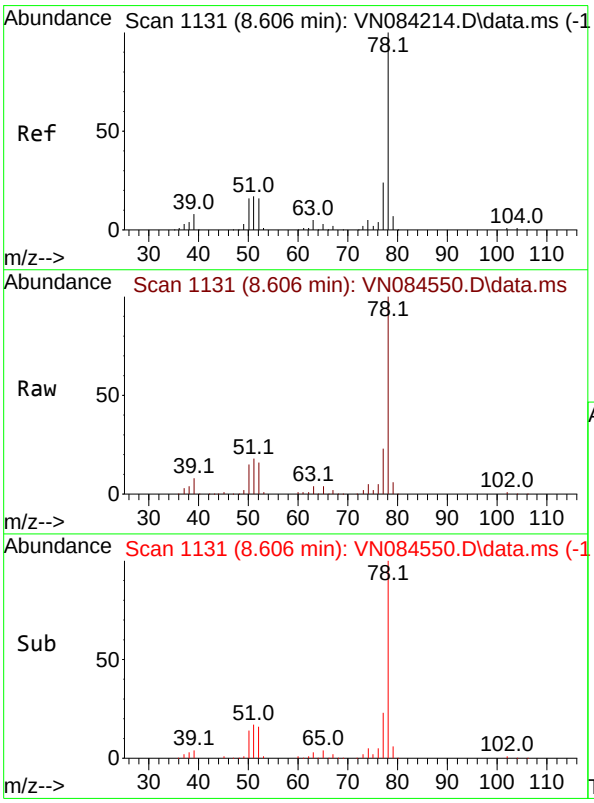
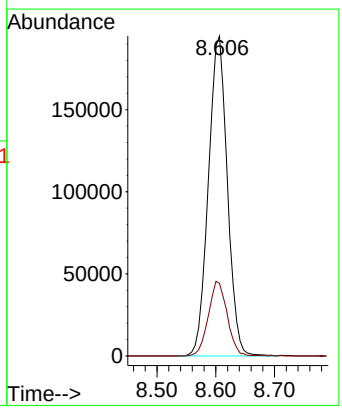
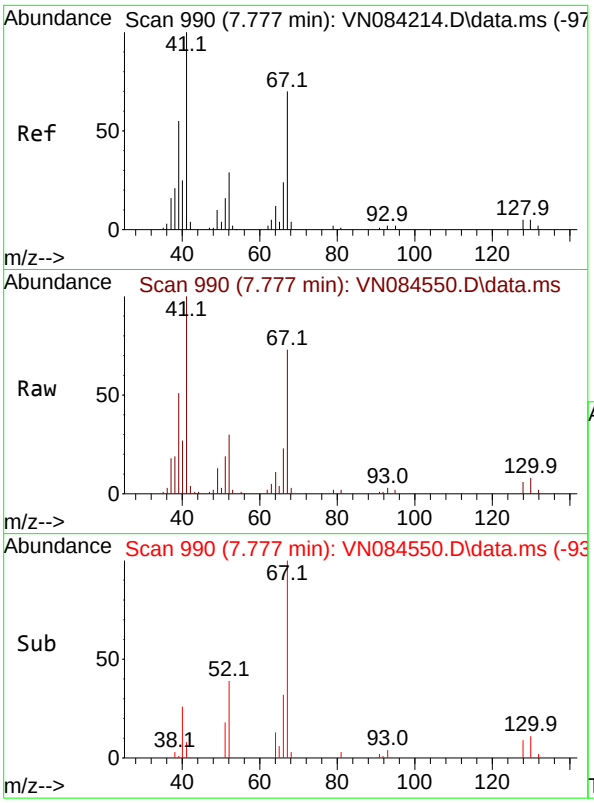


#40
Benzene
Concen: 52.498 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 78 Resp: 436967

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7

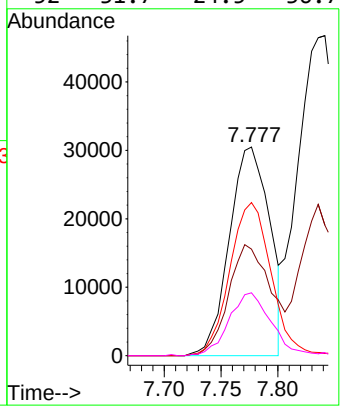




#41
Methacrylonitrile
Concen: 50.587 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 41 Resp: 7526

Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.3	64.9
67	75.9	56.1	84.1
52	31.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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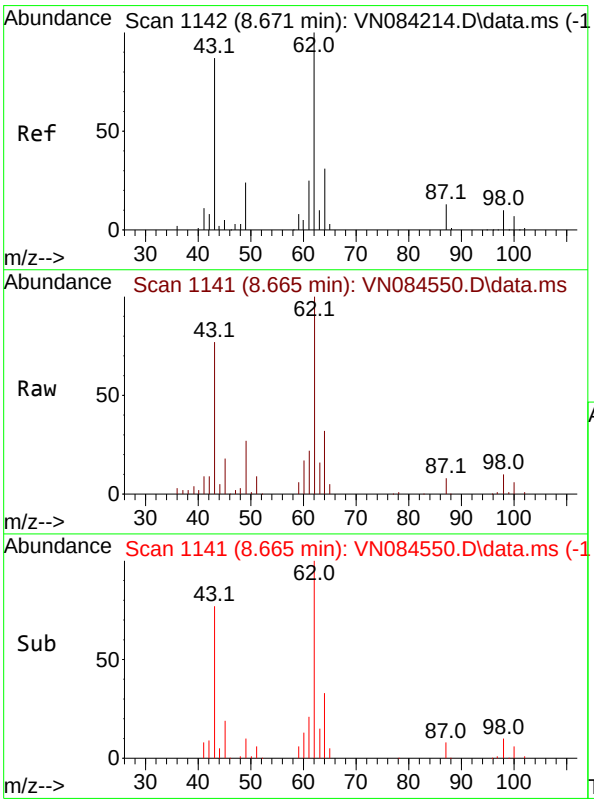
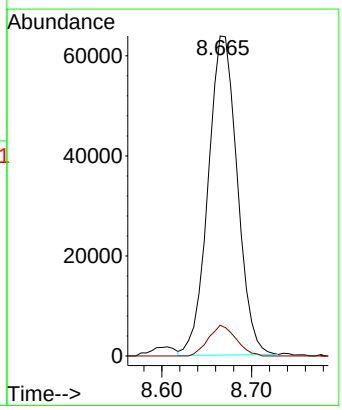
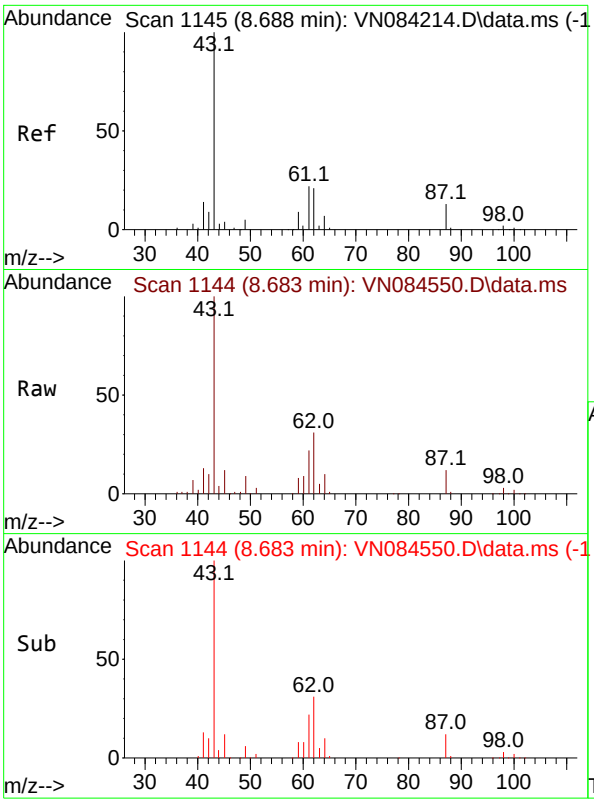


#42
1,2-Dichloroethane
Concen: 50.982 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 62 Resp: 143860

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

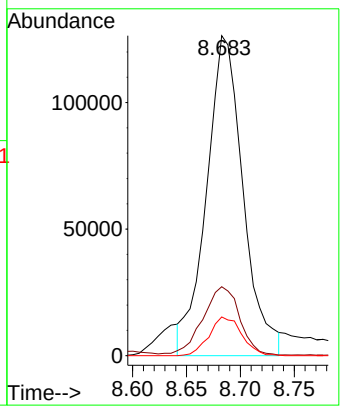




#43
Isopropyl Acetate
Concen: 55.693 ug/l m
RT: 8.683 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 29897

Ion	Ratio	Lower	Upper
43	100		
61	21.6	20.4	30.6
87	10.8	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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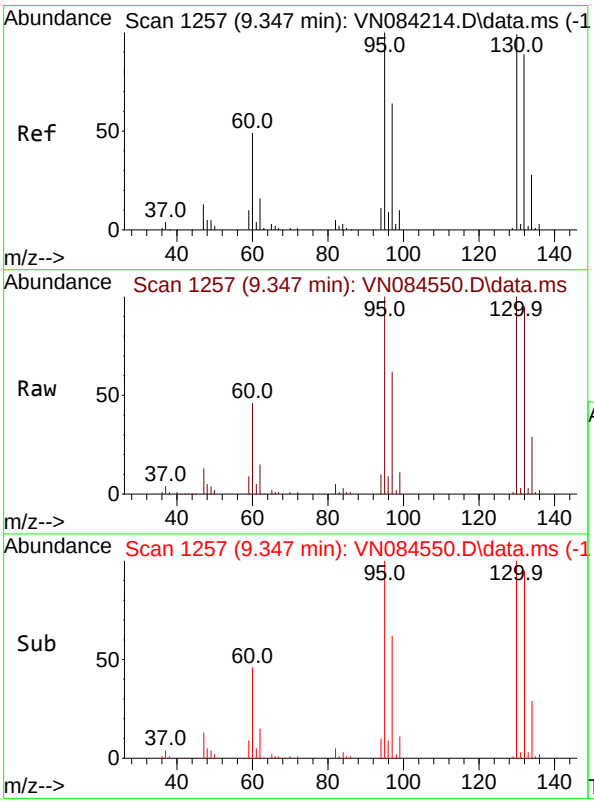
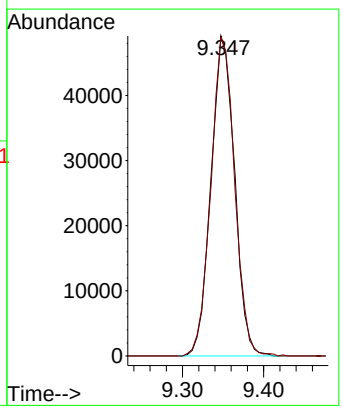
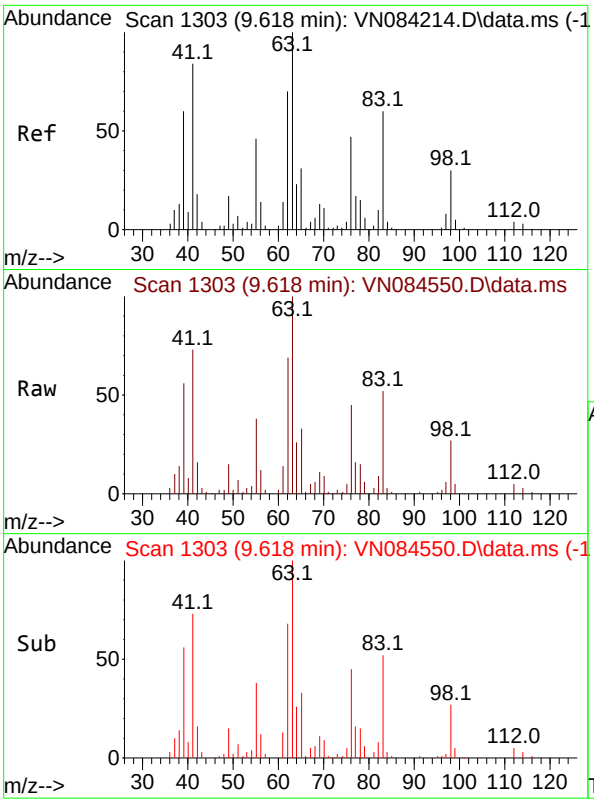


#44
Trichloroethene
Concen: 50.971 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:130 Resp: 99088

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	203.0

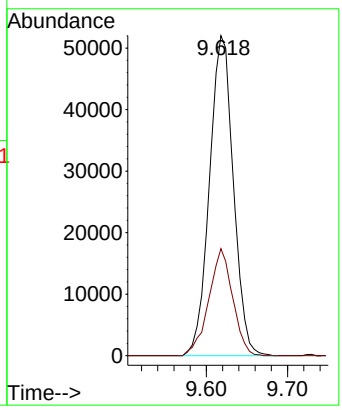




#45
1,2-Dichloropropane
Concen: 54.048 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 63 Resp: 10642

Ion	Ratio	Lower	Upper
63	100		
65	33.5	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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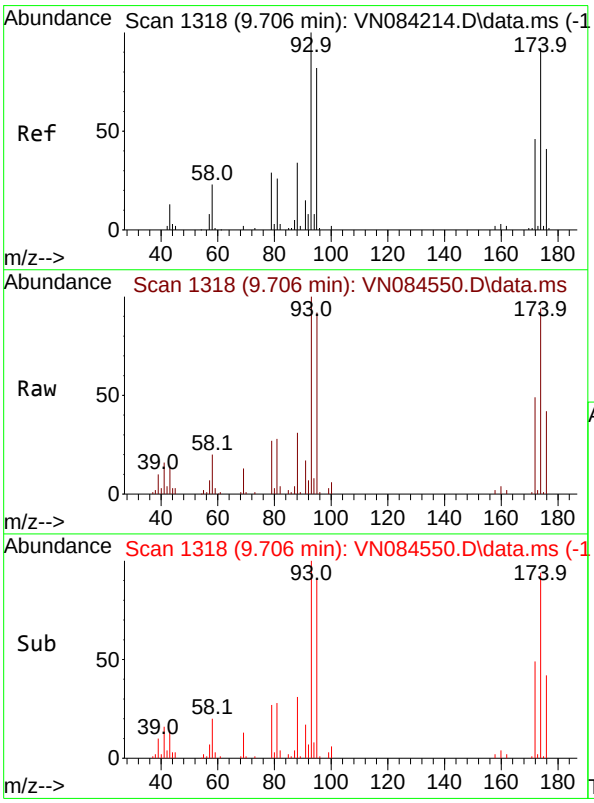
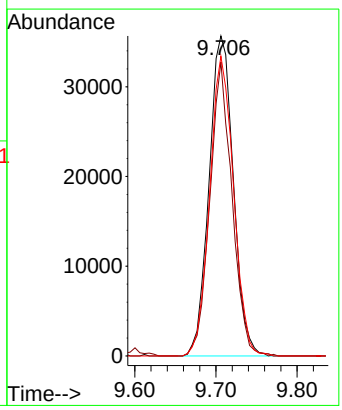
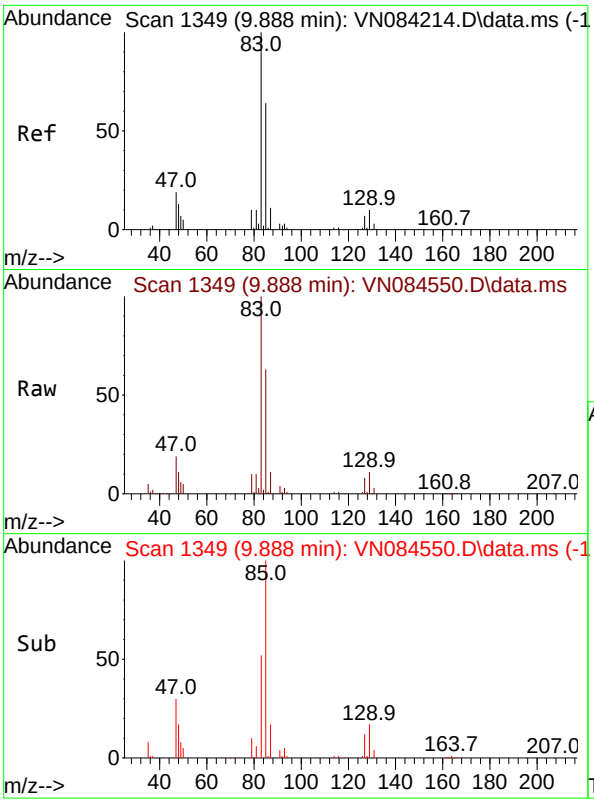


#46
Dibromomethane
Concen: 55.856 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 93 Resp: 74219

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.4
174	92.1	71.8	107.8

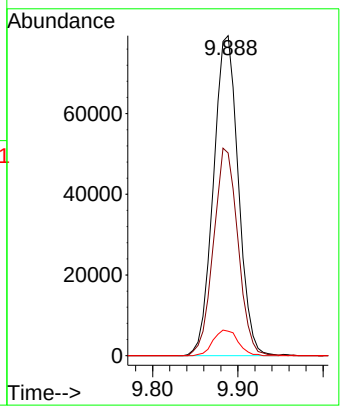




#47
Bromodichloromethane
Concen: 54.492 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 83 Resp: 16086

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	7.7	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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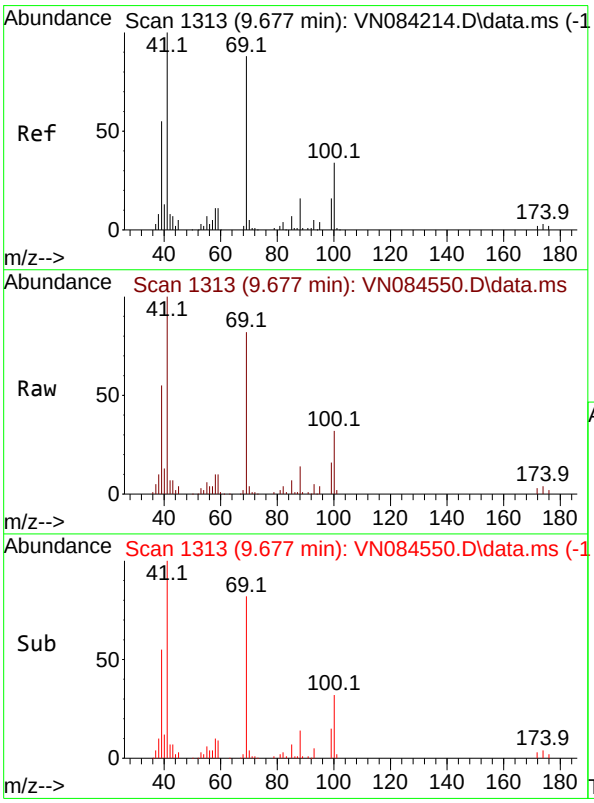
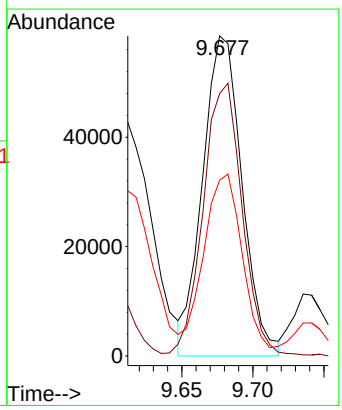
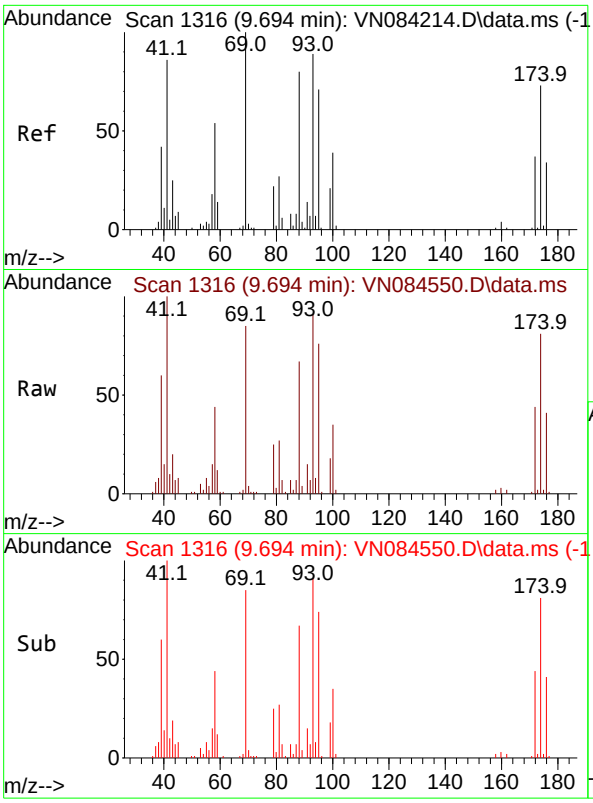


#48
Methyl methacrylate
Concen: 52.892 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 41 Resp: 113027

Ion	Ratio	Lower	Upper
41	100		
69	84.5	67.1	100.7
39	56.3	45.8	68.6





#49
1,4-Dioxane
Concen: 905.532 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 88 Resp: 3562

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9
58	69.6	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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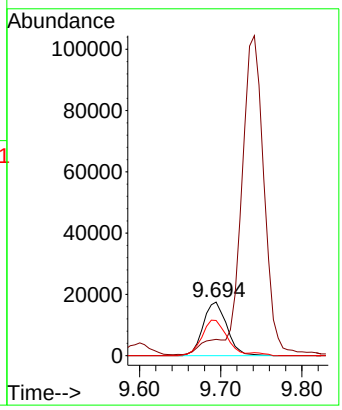
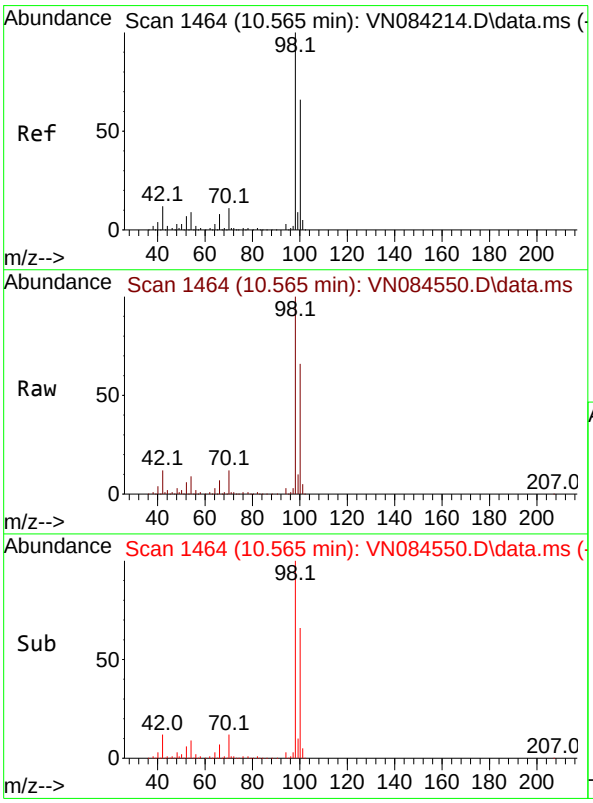
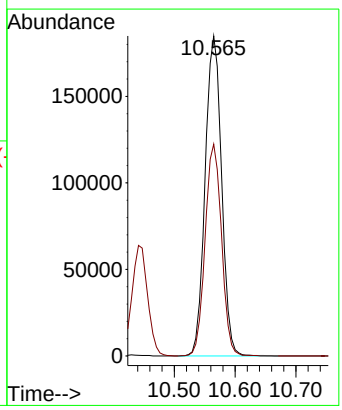


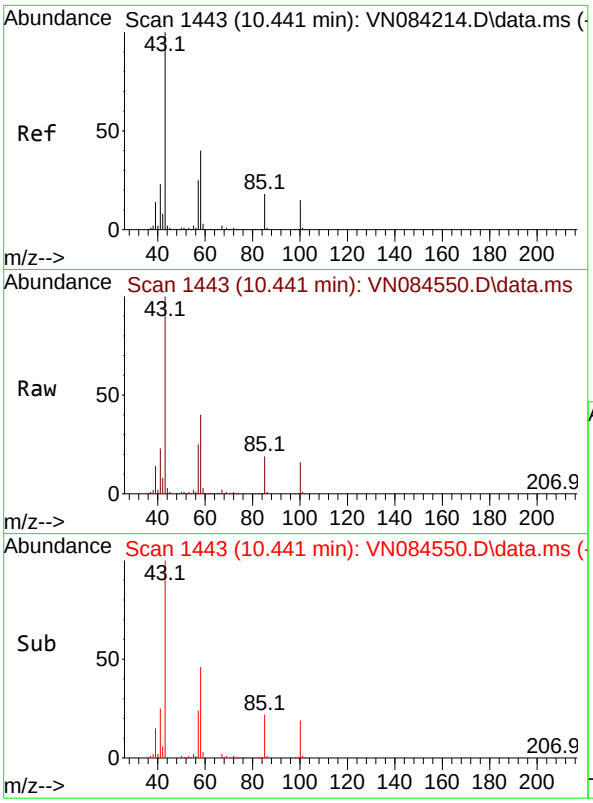


#50
Toluene-d8
Concen: 51.281 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 98 Resp: 346993

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 273.966 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 71478

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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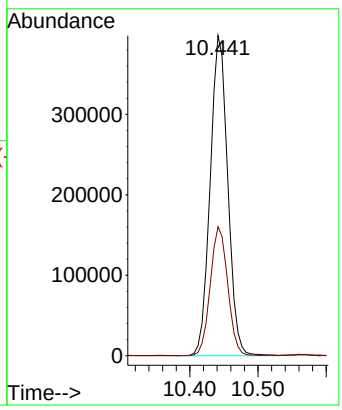
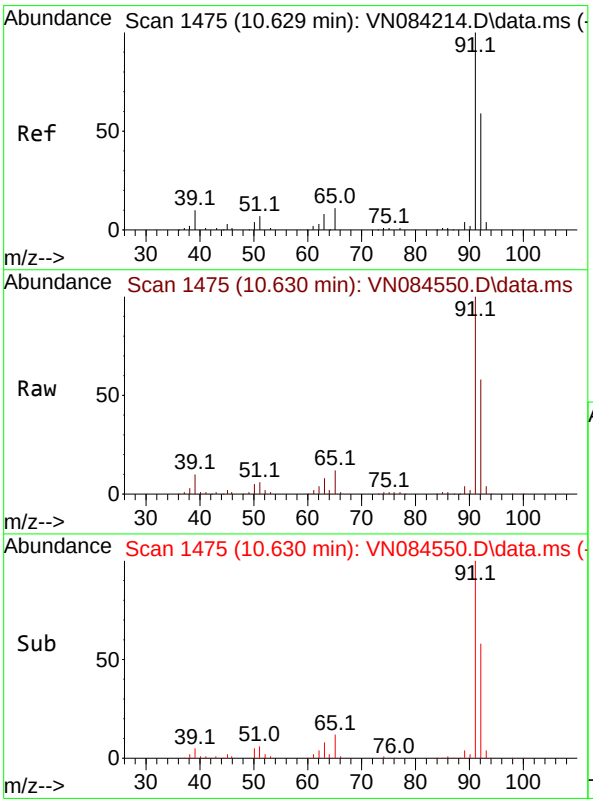
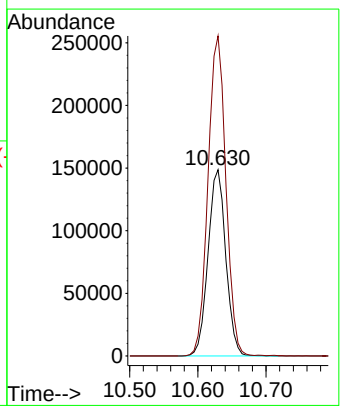


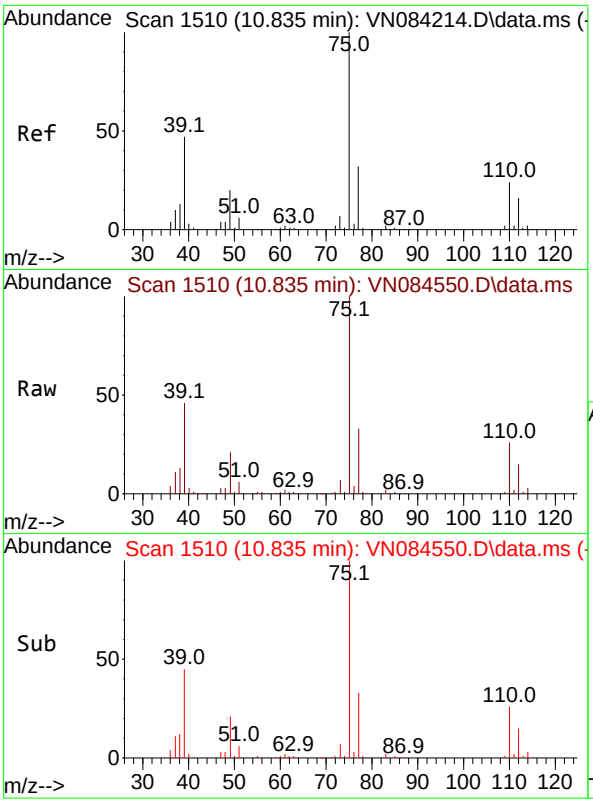


#52
Toluene
Concen: 53.095 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 92 Resp: 269489

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9

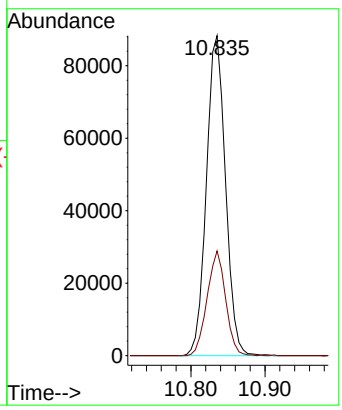




#53
t-1,3-Dichloropropene
Concen: 52.443 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 15781

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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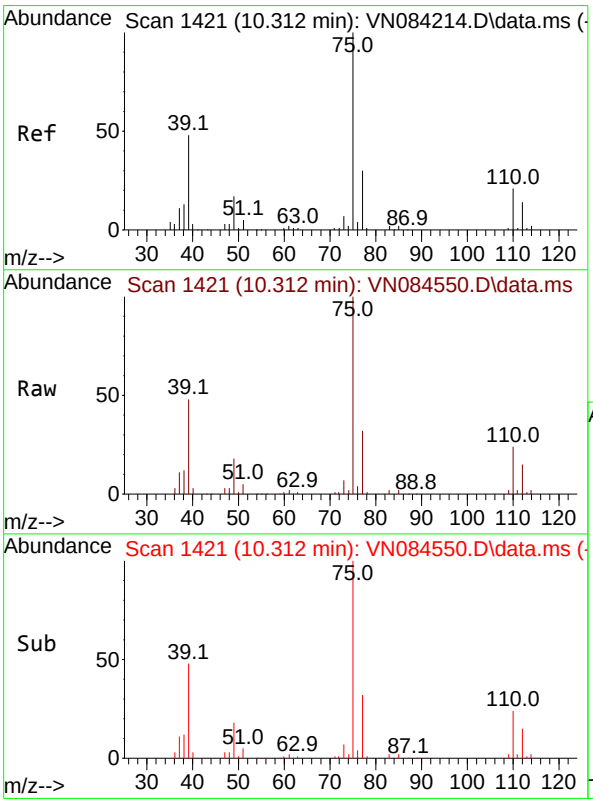
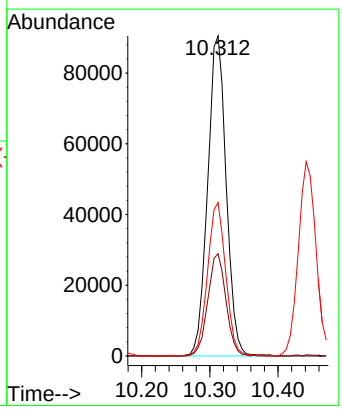
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

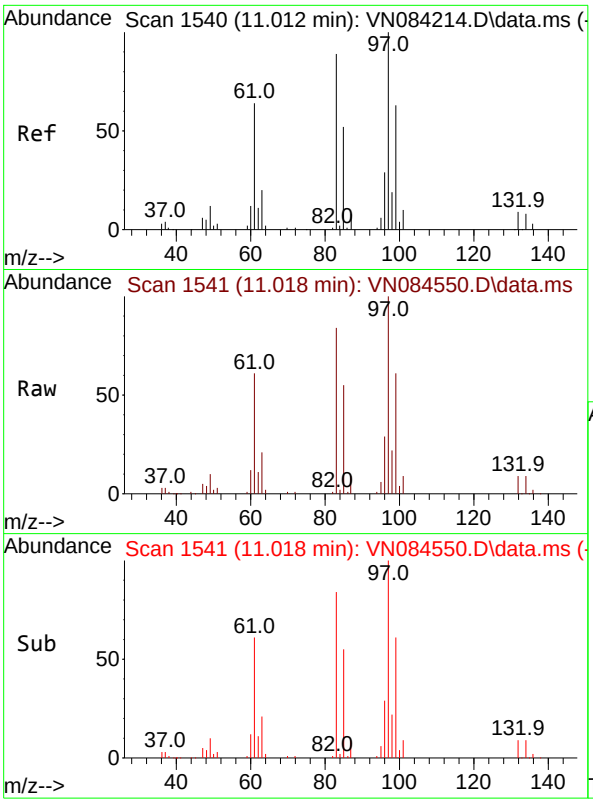


#54
cis-1,3-Dichloropropene
Concen: 52.878 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 171155

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	48.0	38.7	58.1

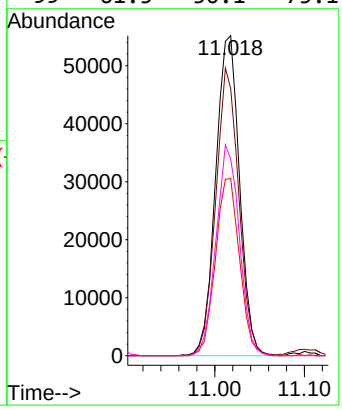




#55
1,1,2-Trichloroethane
Concen: 56.093 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 97 Resp: 10206

Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	55.4	41.7	62.5
99	61.5	50.1	75.1



Instrument :
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ClientSampleId :
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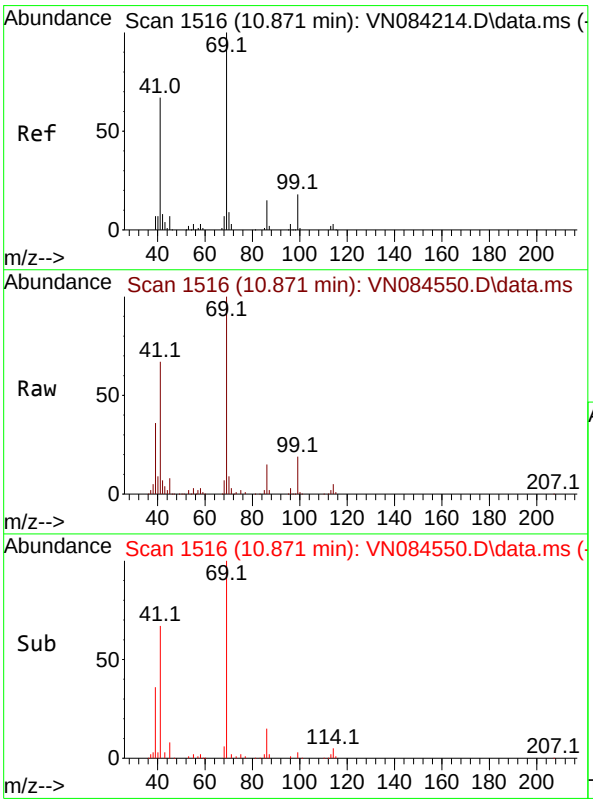
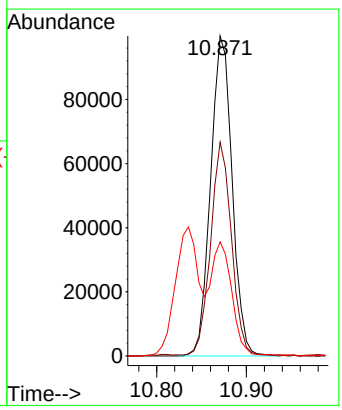
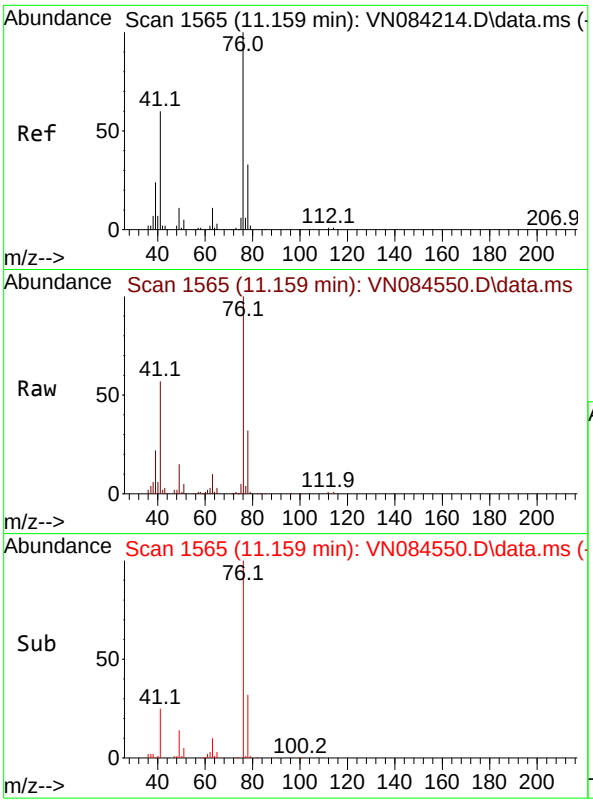


#56
Ethyl methacrylate
Concen: 55.509 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 69 Resp: 166194

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.3	79.9
39	34.9	28.8	43.2

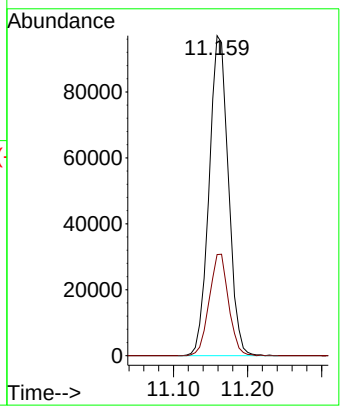




#57
1,3-Dichloropropane
Concen: 53.853 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 76 Resp: 17509

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
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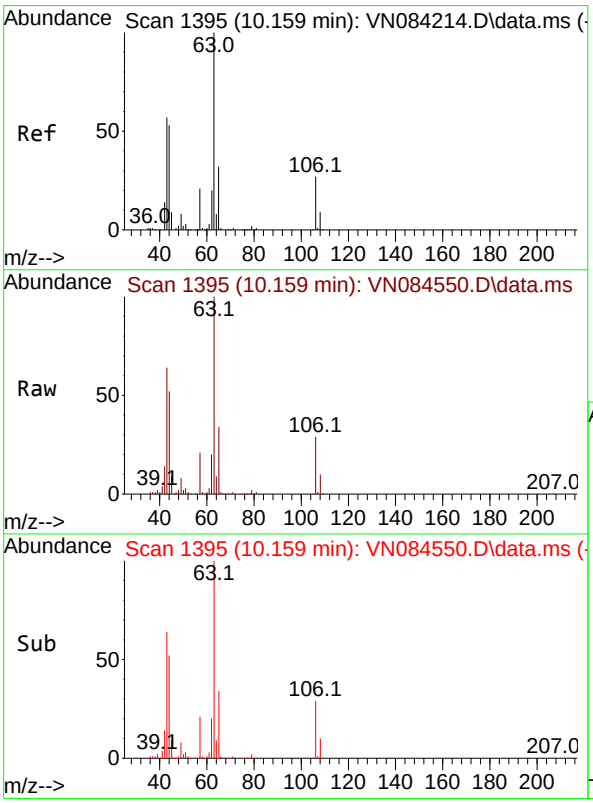
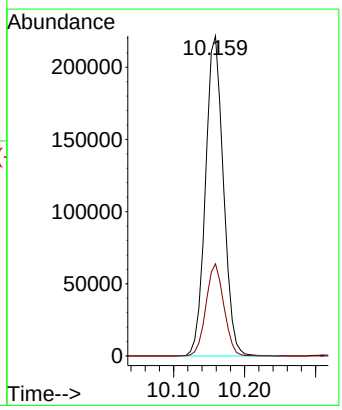
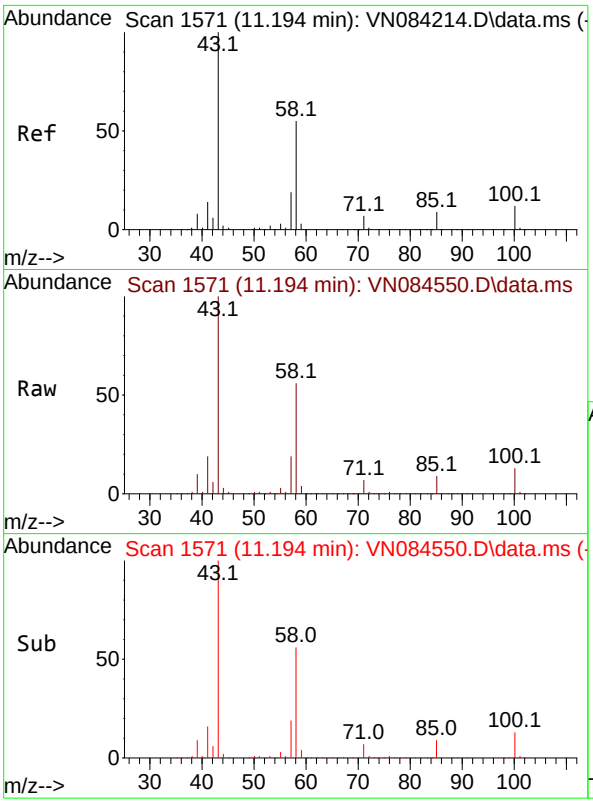


#58
2-Chloroethyl Vinyl ether
Concen: 279.356 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 63 Resp: 387998

Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.6





#59
2-Hexanone
Concen: 267.402 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 52144

Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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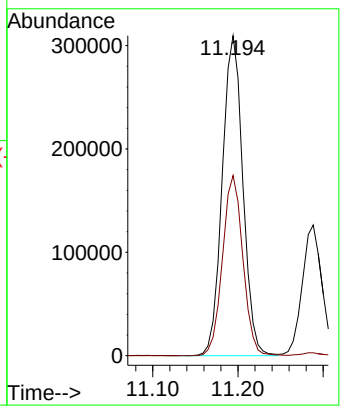
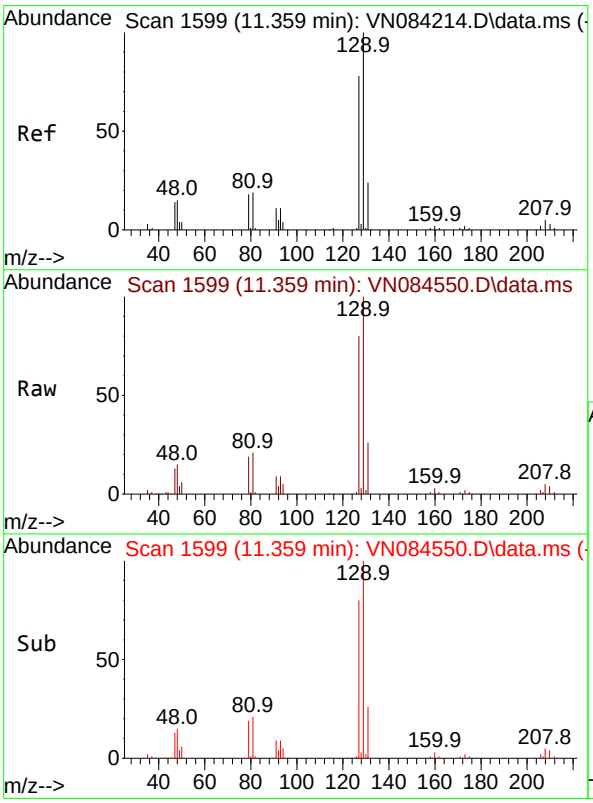
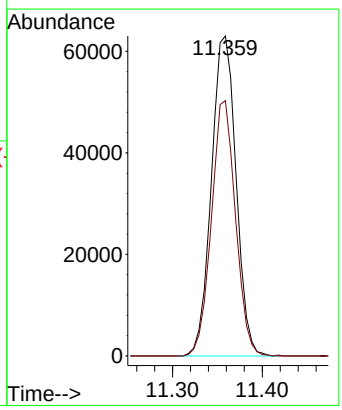


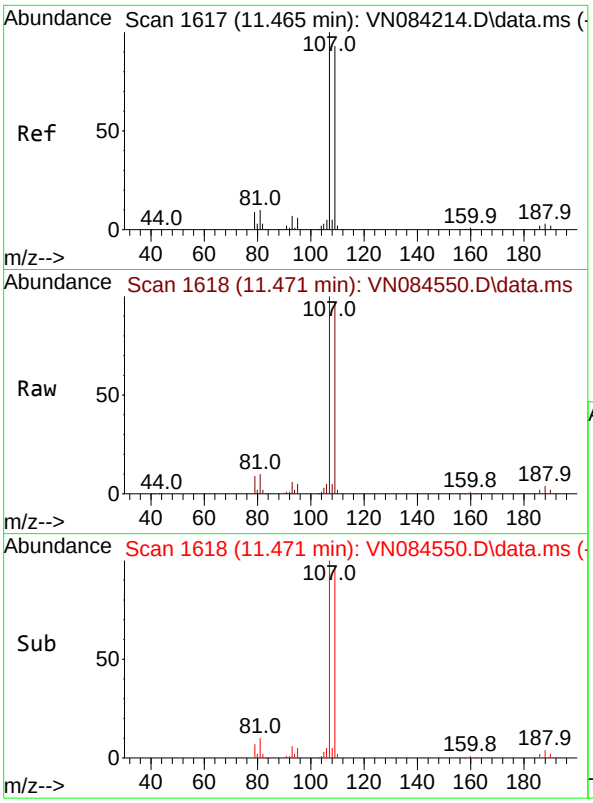


#60
Dibromochloromethane
Concen: 55.989 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:129 Resp: 120370

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9

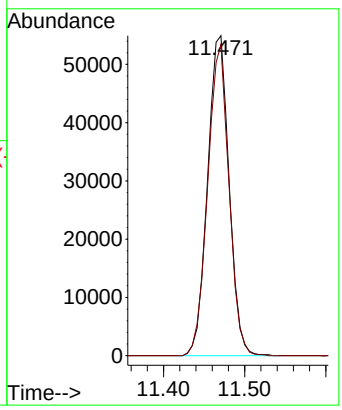




#61
1,2-Dibromoethane
Concen: 53.550 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:107 Resp: 10124

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
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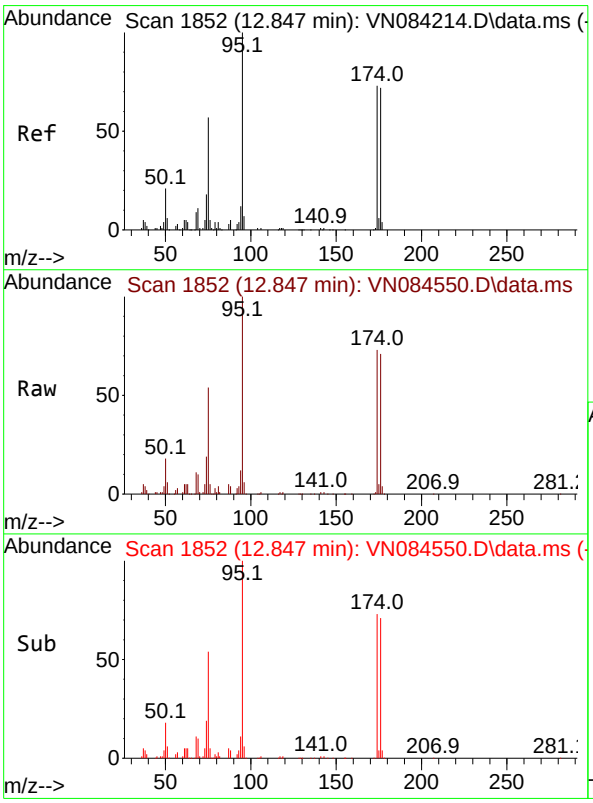
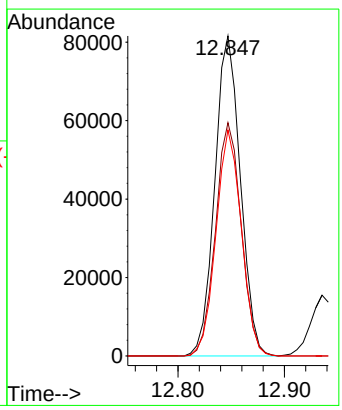
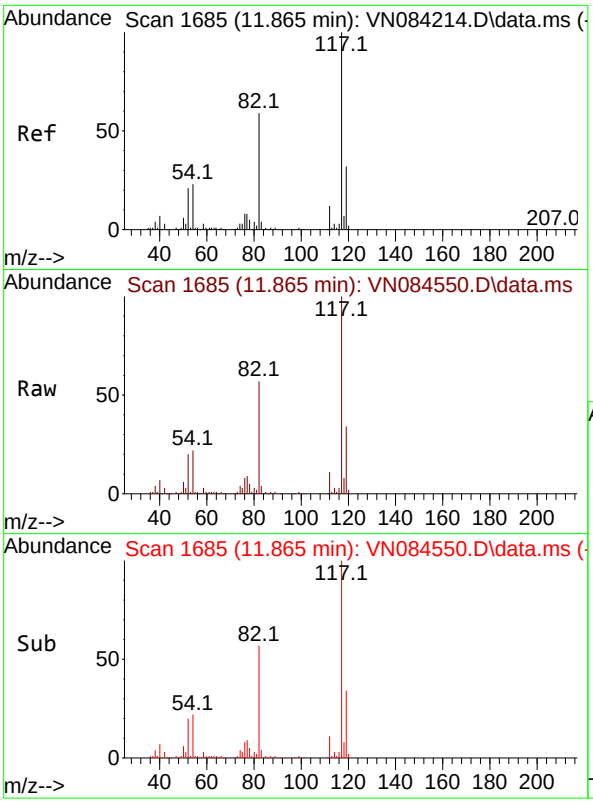


#62
4-Bromofluorobenzene
Concen: 55.163 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 95 Resp: 135984

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	70.1	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:117 Resp: 25360

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	33.5	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
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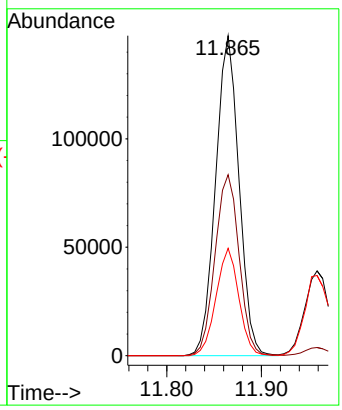
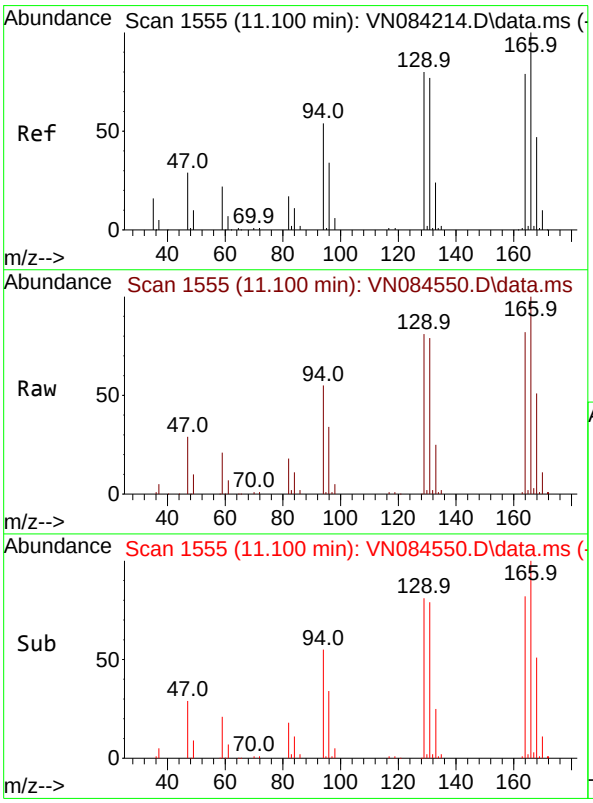
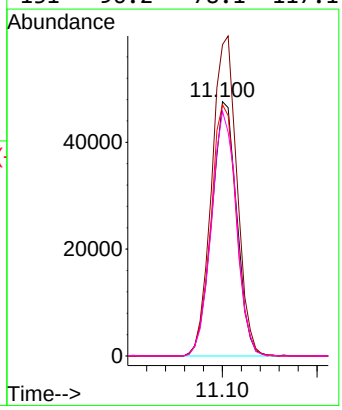


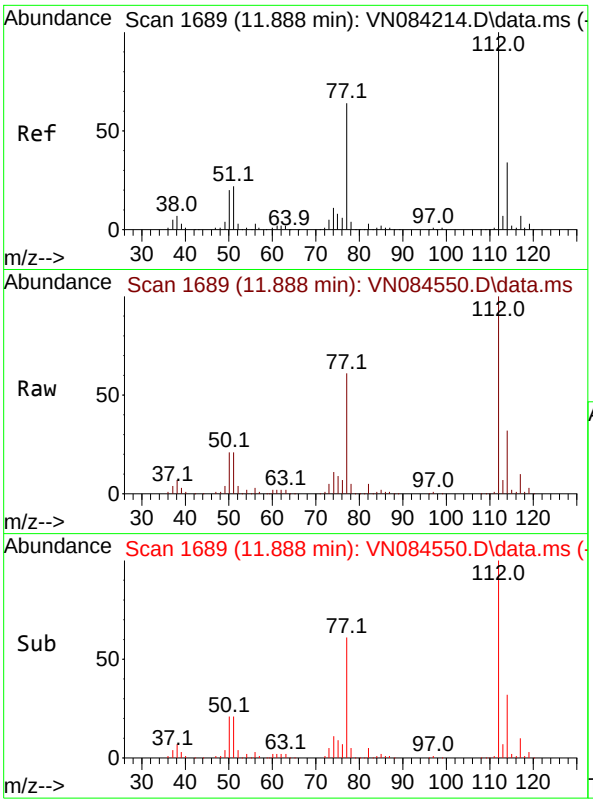


#64
Tetrachloroethene
Concen: 49.432 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:164 Resp: 87317

Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.0	151.4
129	98.8	80.8	121.2
131	96.2	78.1	117.1

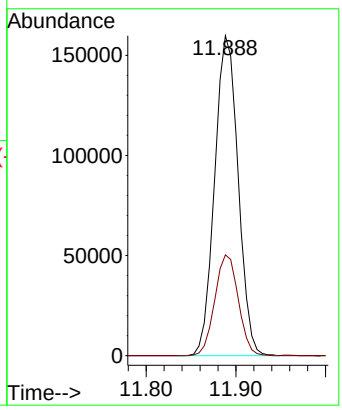




#65
Chlorobenzene
Concen: 51.584 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:112 Resp: 29006

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
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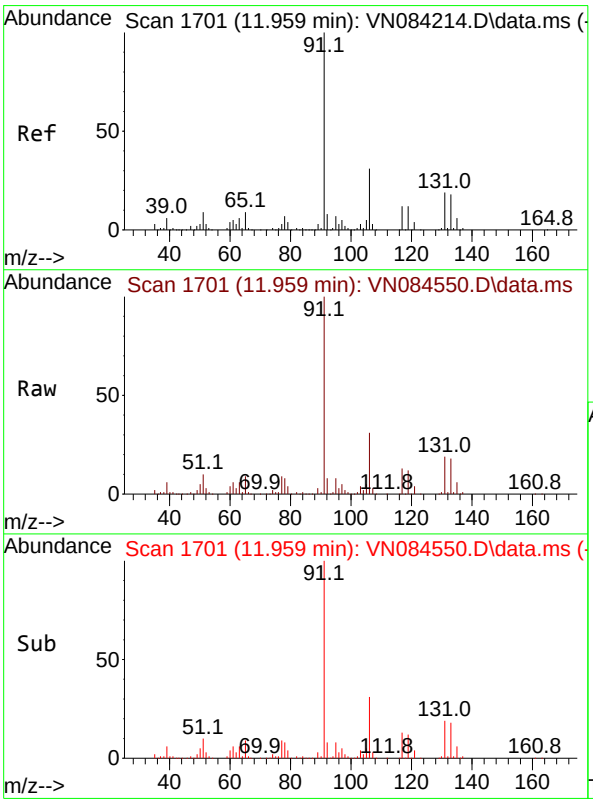
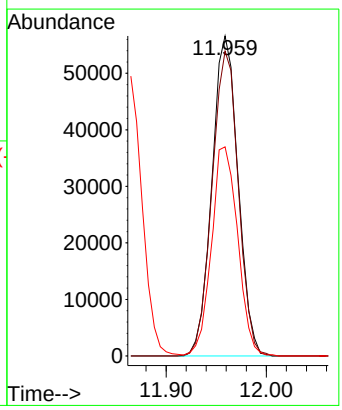
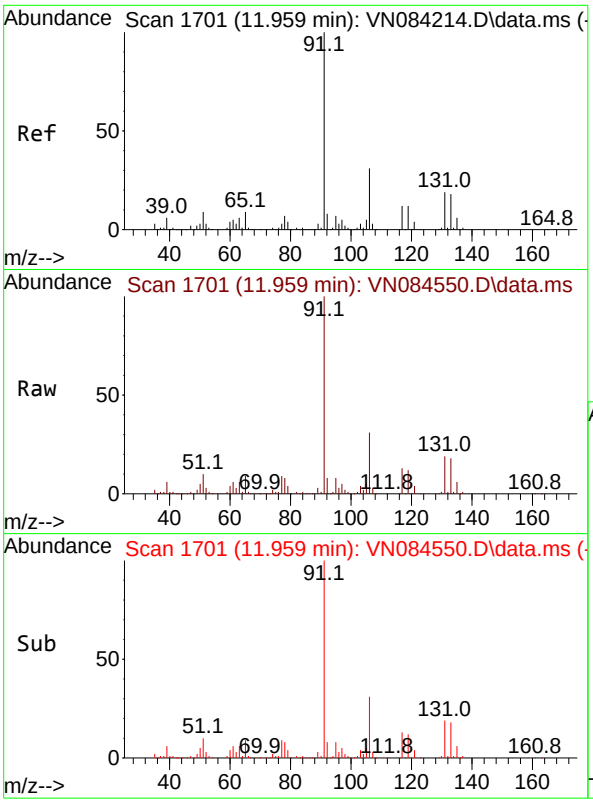


#66
1,1,1,2-Tetrachloroethane
Concen: 52.733 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:131 Resp: 102132

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.7
119	65.8	32.8	98.3





#67
Ethyl Benzene
Concen: 51.646 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 51357

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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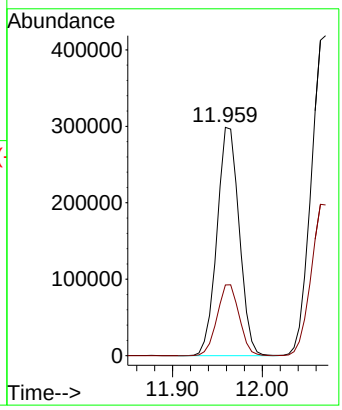
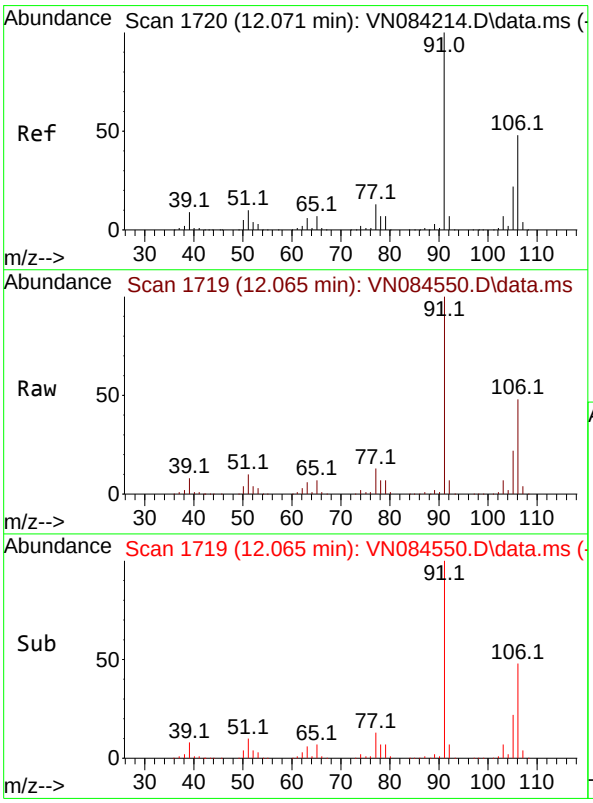
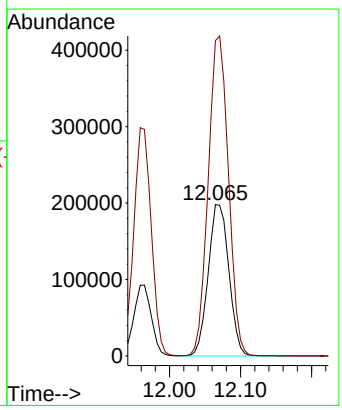


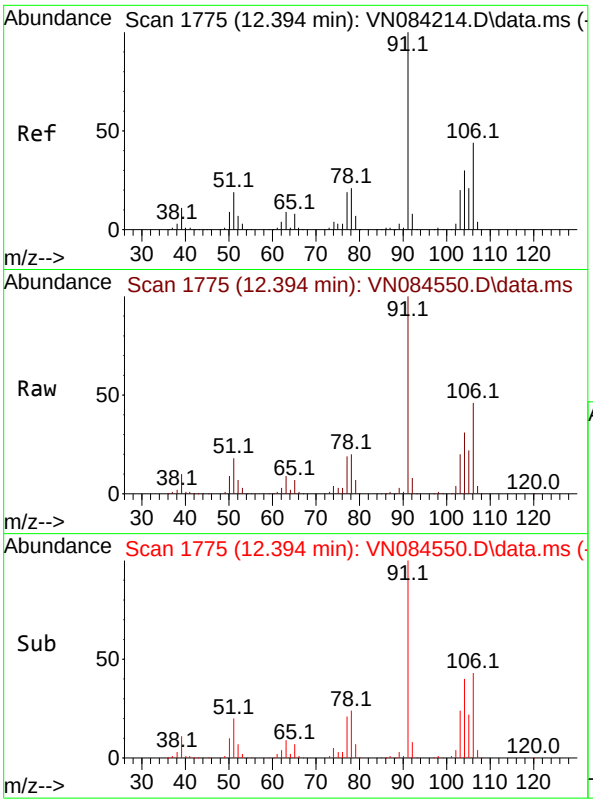


#68
m/p-Xylenes
Concen: 108.723 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:106 Resp: 399929

Ion	Ratio	Lower	Upper
106	100		
91	206.6	167.1	250.7





#69
o-Xylene
Concen: 54.486 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:106 Resp: 18962

Ion	Ratio	Lower	Upper
106	100		
91	219.1	110.2	330.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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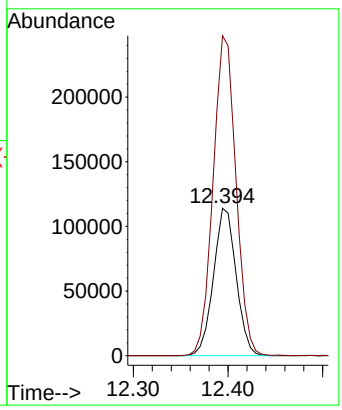
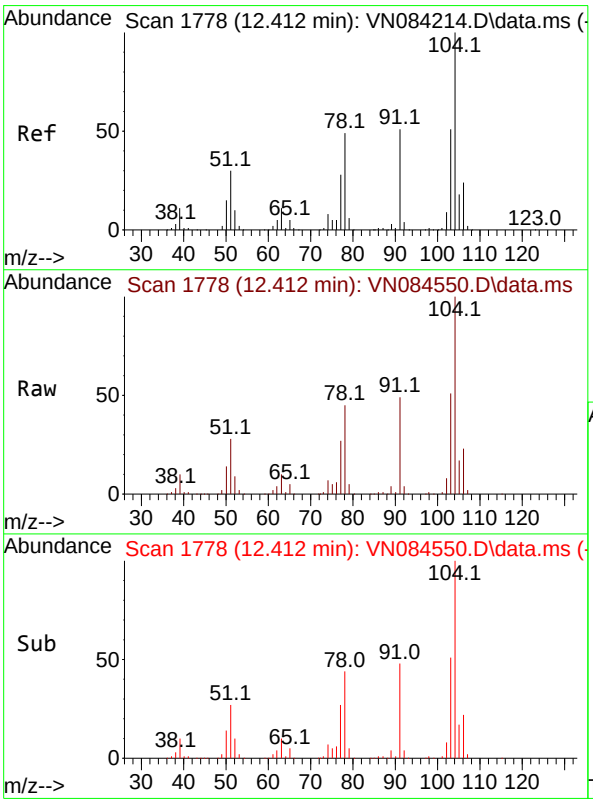
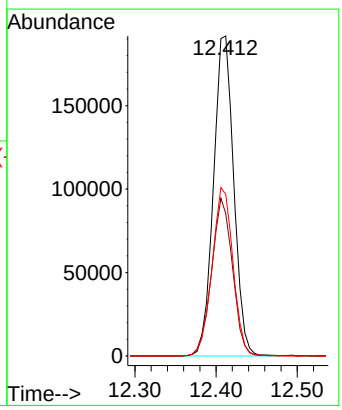


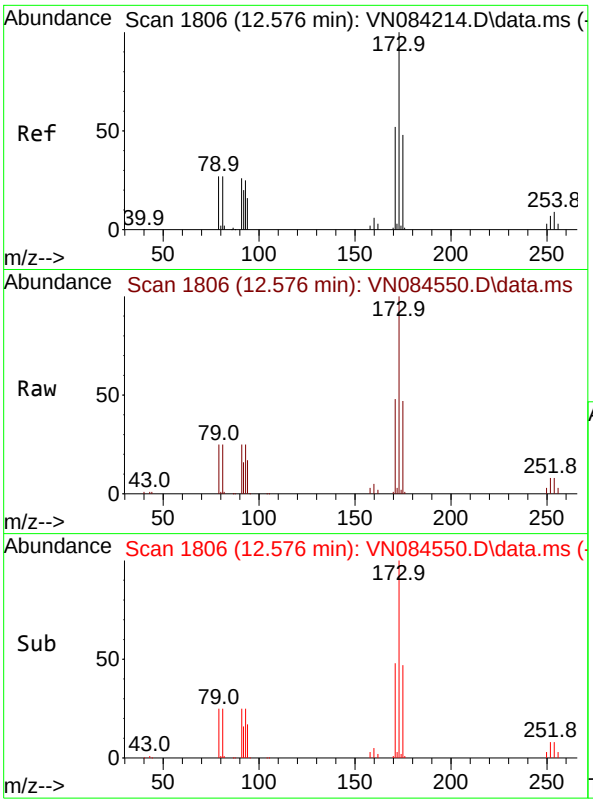


#70
Styrene
Concen: 56.451 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:104 Resp: 332772

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.7	64.1
103	54.3	43.6	65.4





#71
Bromoform
Concen: 56.547 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:173 Resp: 8063

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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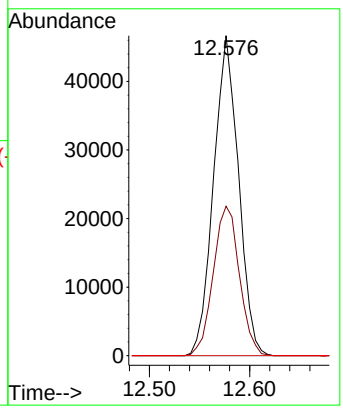
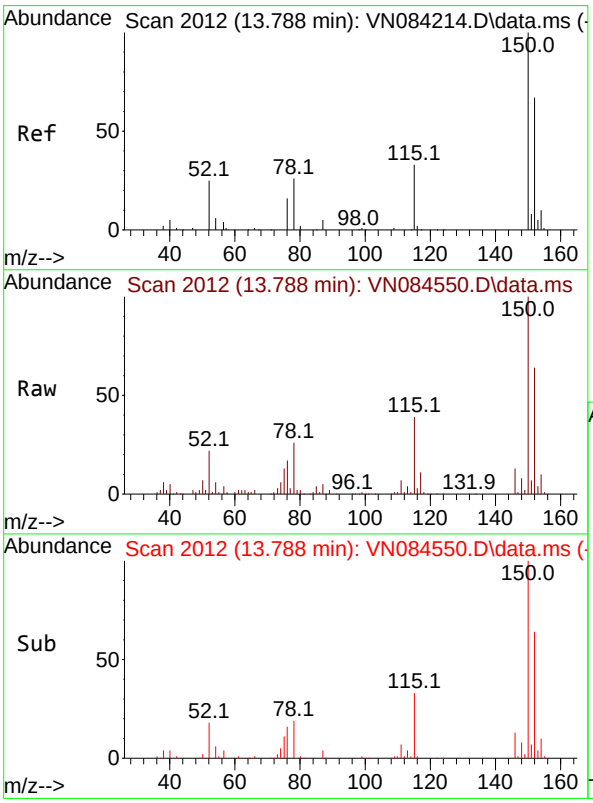
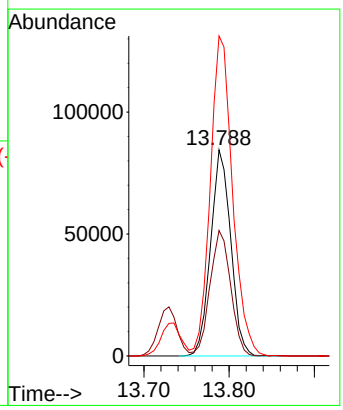


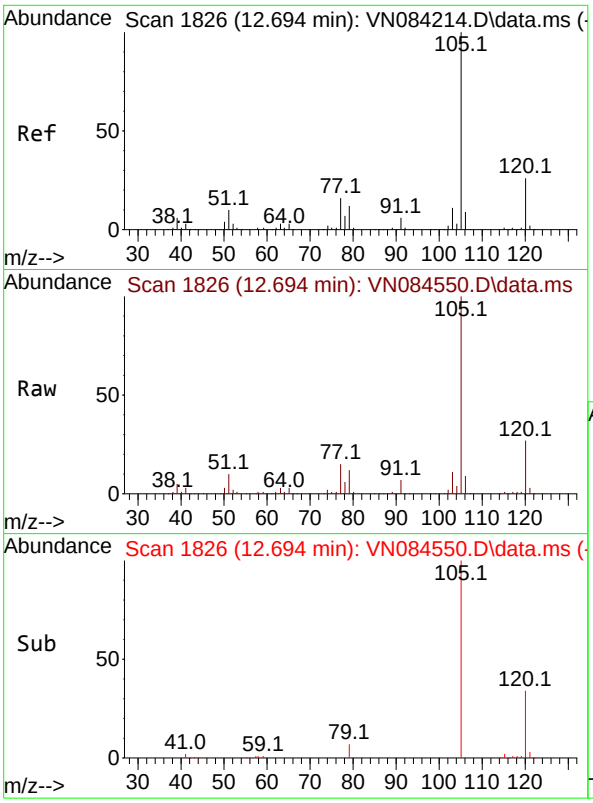


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:152 Resp: 138740

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	171.6	0.0	349.8





#73
Isopropylbenzene
Concen: 45.329 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:105 Resp: 47990

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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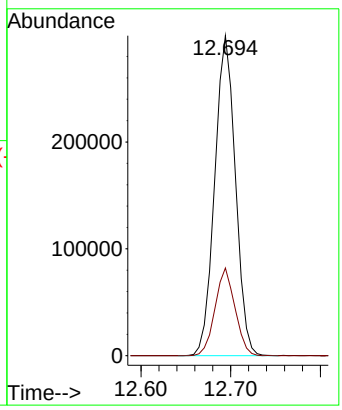
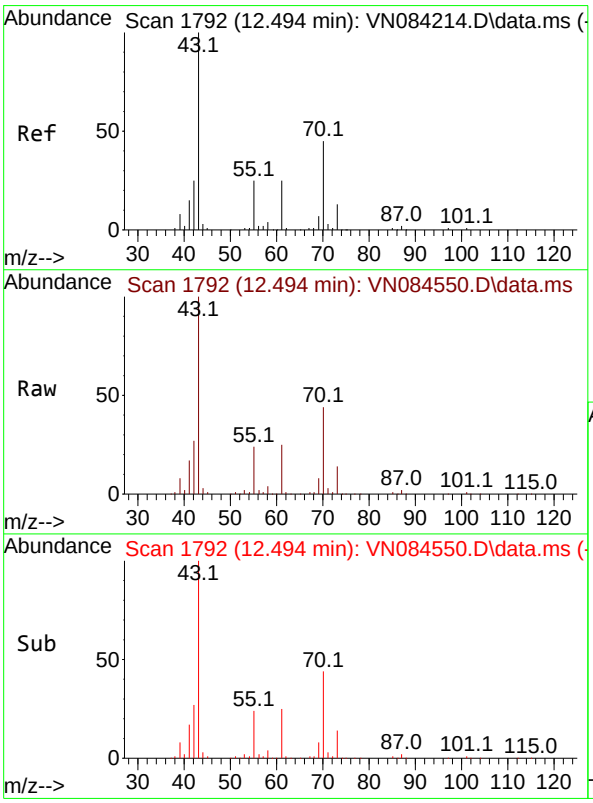
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

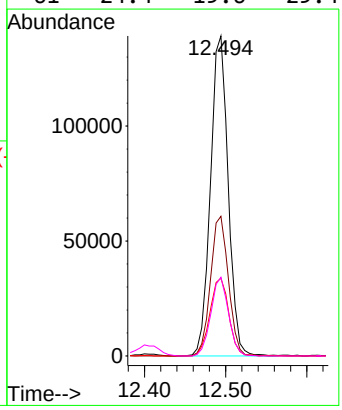


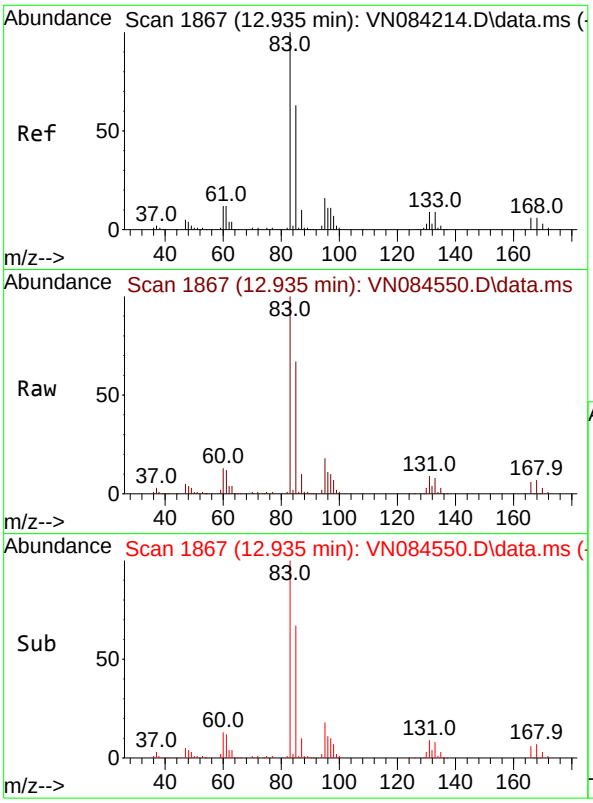


#74
N-amyl acetate
Concen: 43.939 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 210653

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	25.8	19.6	29.4
61	24.4	19.6	29.4

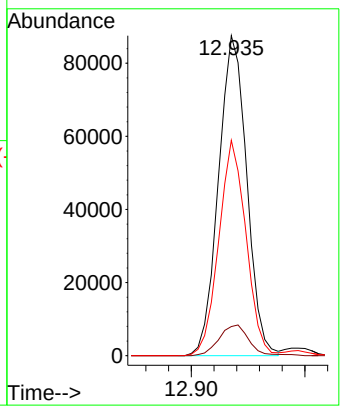




#75
1,1,2,2-Tetrachloroethane
Concen: 47.496 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 83 Resp: 15120

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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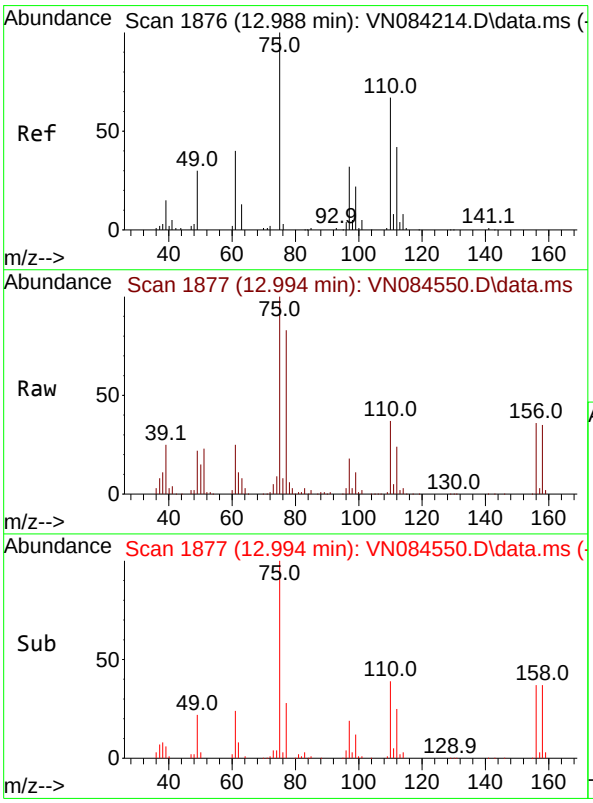
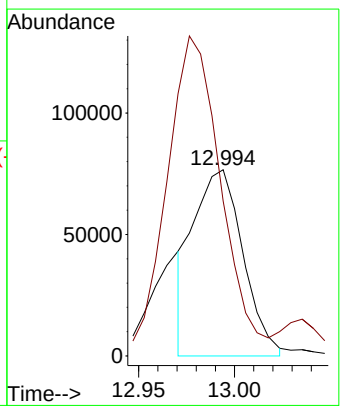
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

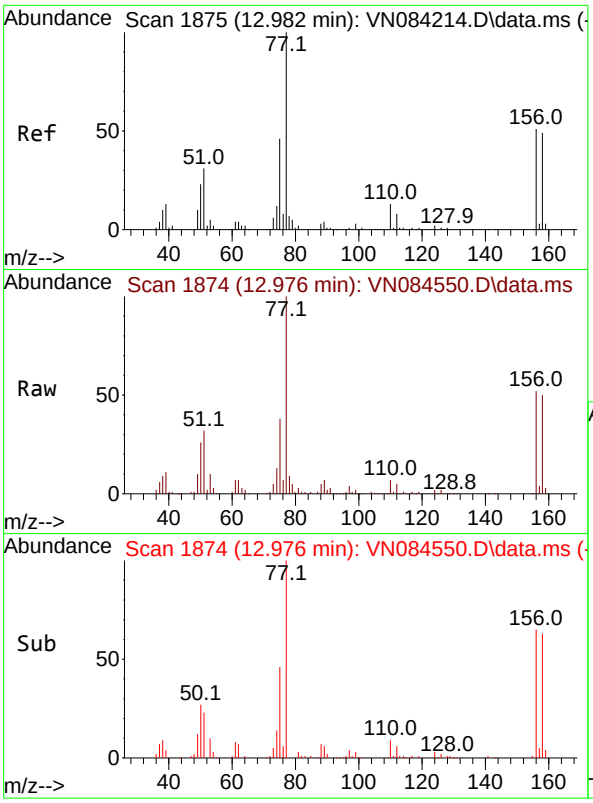


#76
1,2,3-Trichloropropane
Concen: 48.524 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 137440

Ion	Ratio	Lower	Upper
75	100		
77	188.3	96.9	290.7

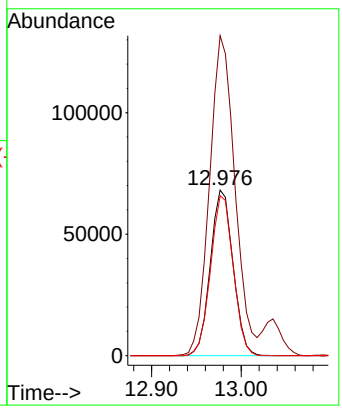




#77
Bromobenzene
Concen: 46.967 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:156 Resp: 11994

Ion	Ratio	Lower	Upper
156	100		
77	215.8	115.1	345.3
158	95.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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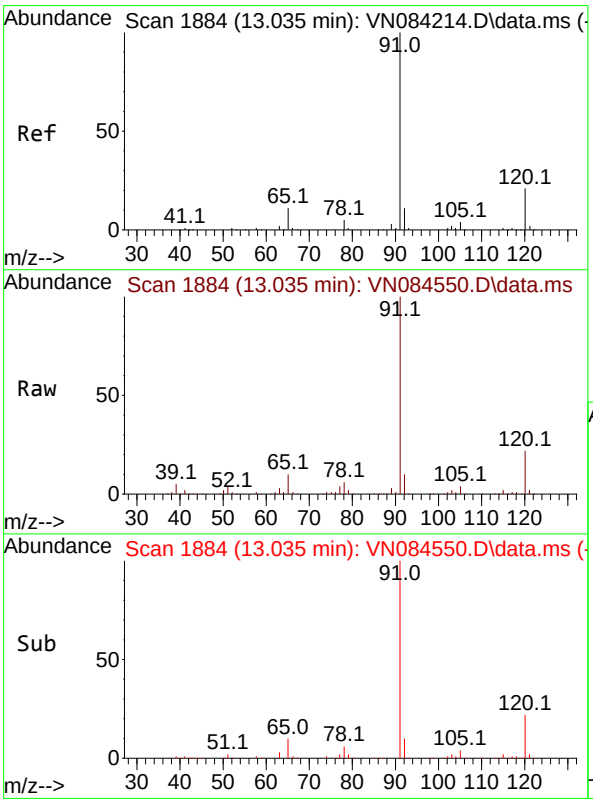
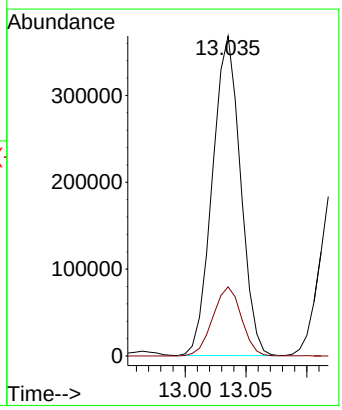
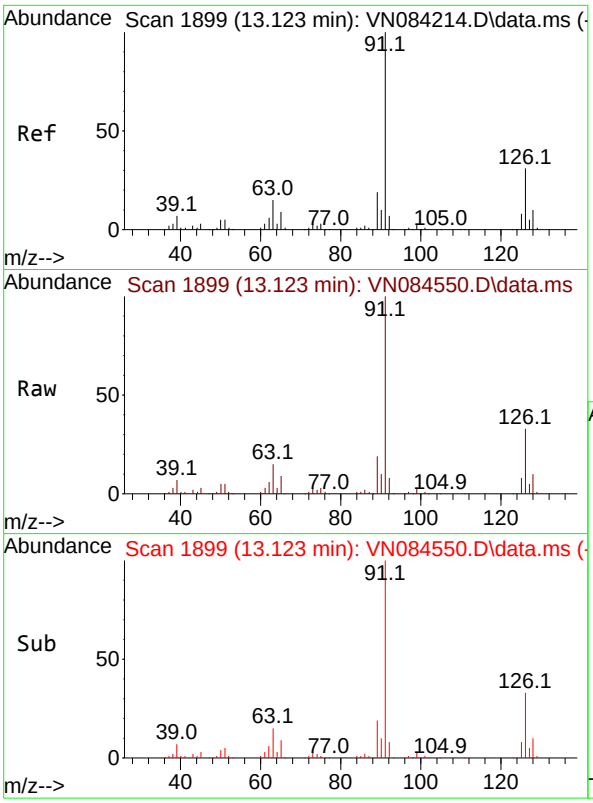


#78
n-propylbenzene
Concen: 48.258 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 591943

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

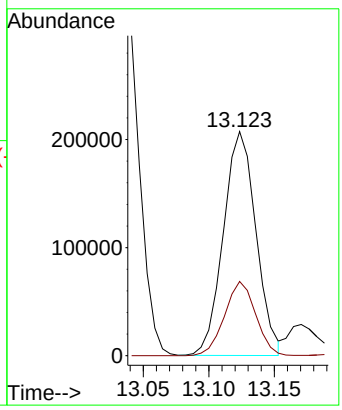




#79
2-Chlorotoluene
Concen: 45.840 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 35879

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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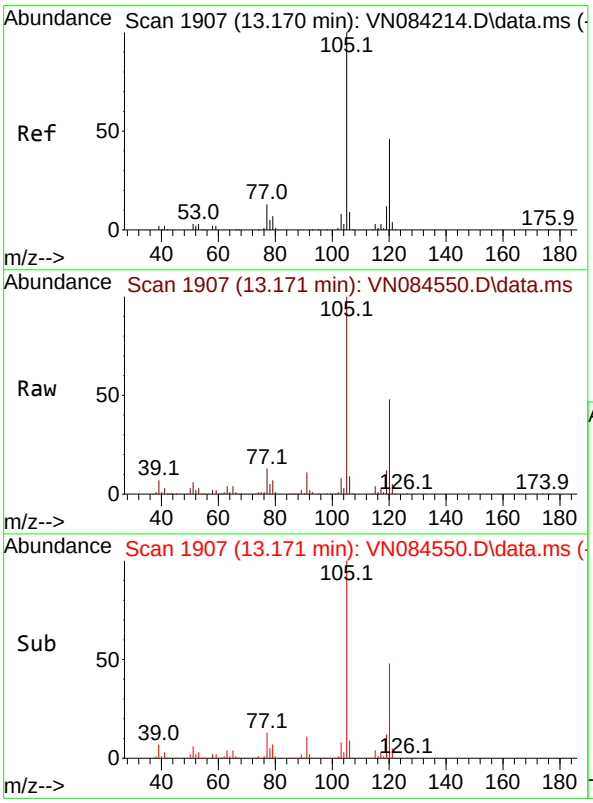
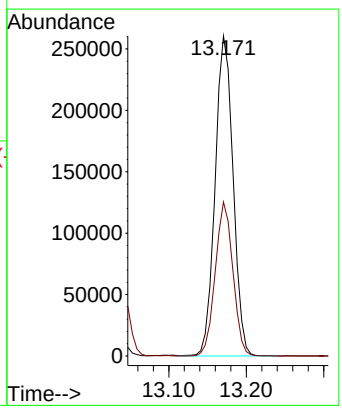
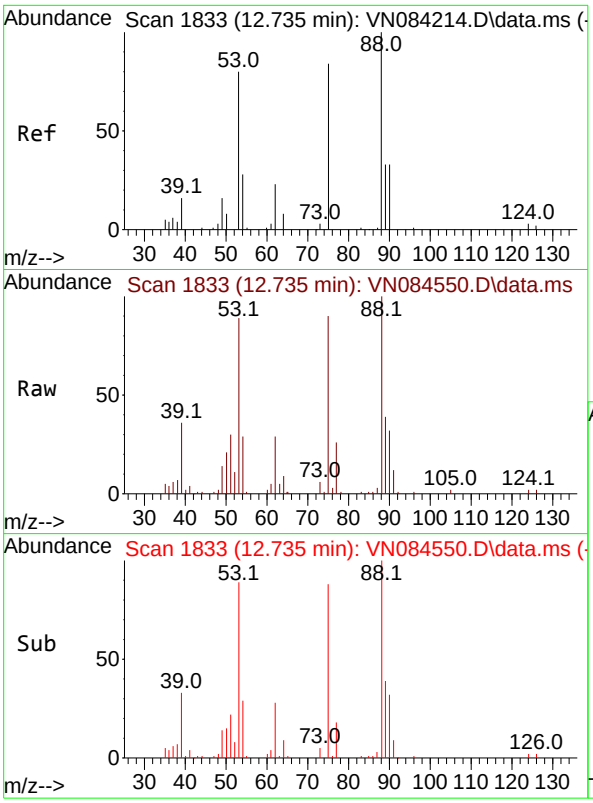


#80
1,3,5-Trimethylbenzene
Concen: 48.634 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:105 Resp: 420006

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

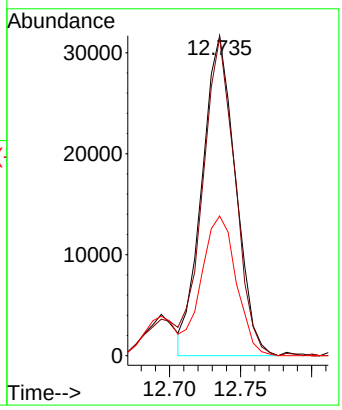




#81
trans-1,4-Dichloro-2-butene
Concen: 43.866 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 5182

Ion	Ratio	Lower	Upper
75	100		
53	107.1	78.0	117.0
89	45.8	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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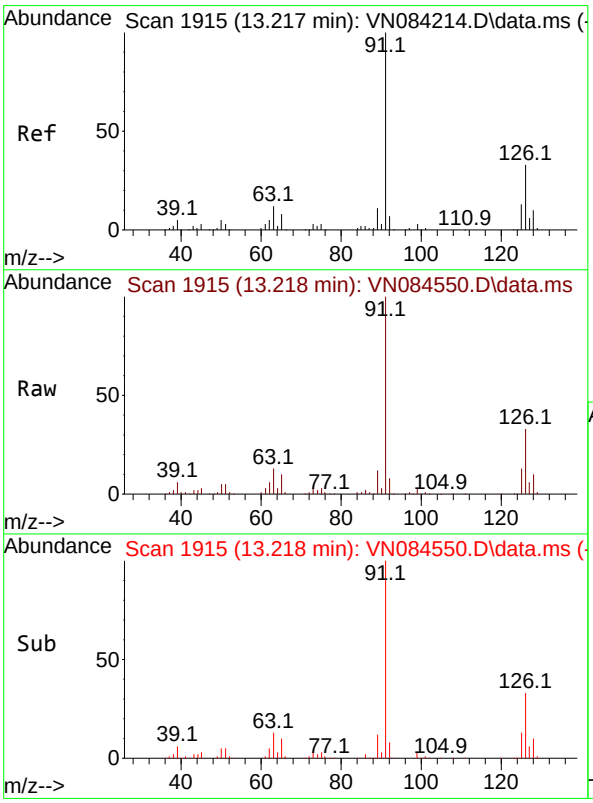
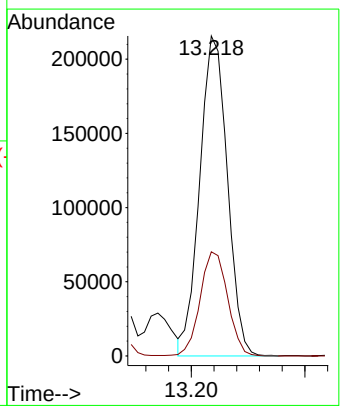
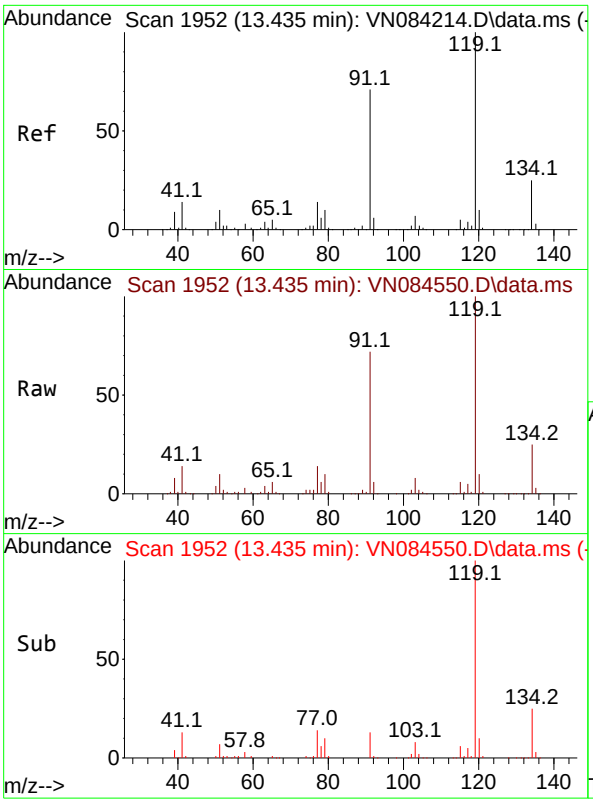


#82
4-Chlorotoluene
Concen: 46.224 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 364214

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

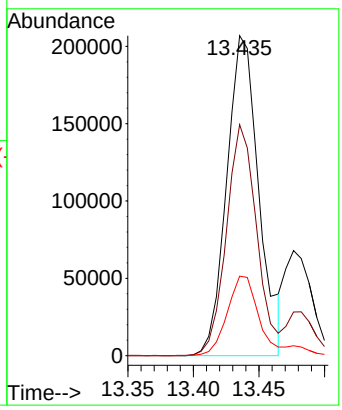




#83
tert-Butylbenzene
Concen: 46.015 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:119 Resp: 35320

Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.1	102.3
134	26.3	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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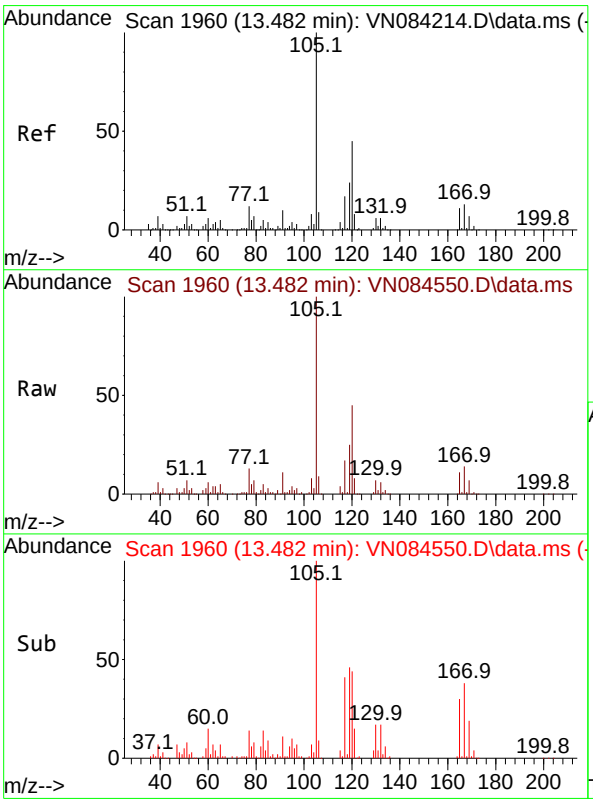
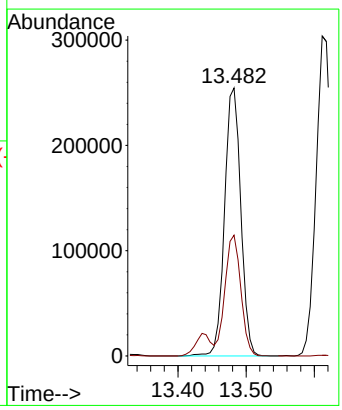
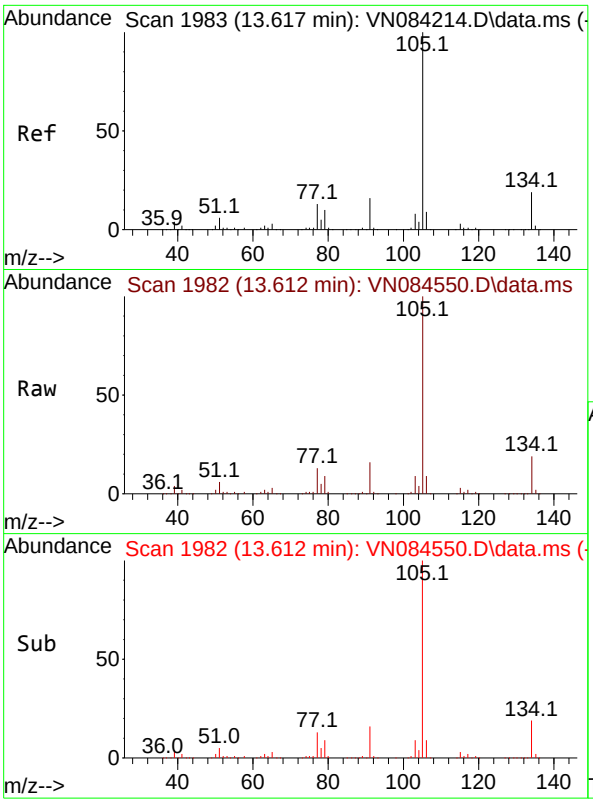


#84
1,2,4-Trimethylbenzene
Concen: 48.507 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:105 Resp: 422000

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8





#85
sec-Butylbenzene
Concen: 48.392 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:105 Resp: 49567

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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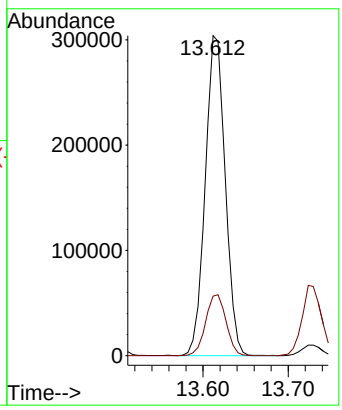
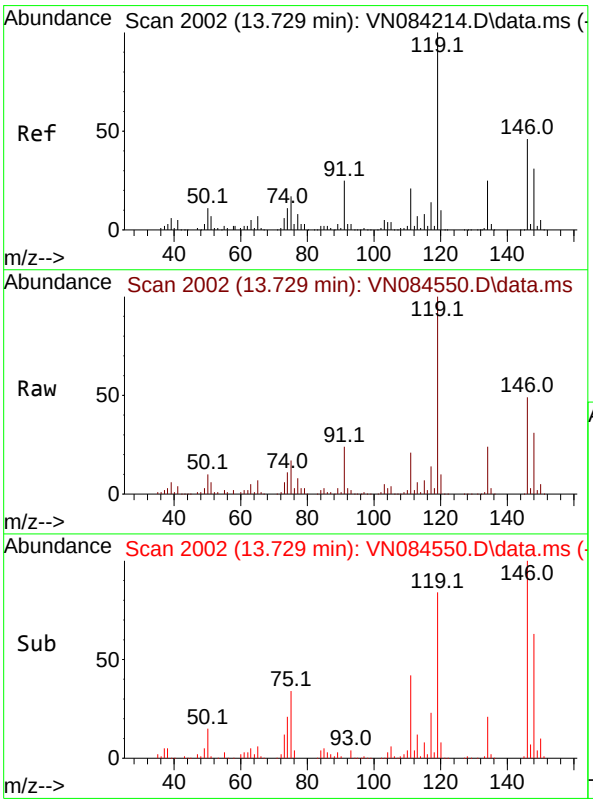
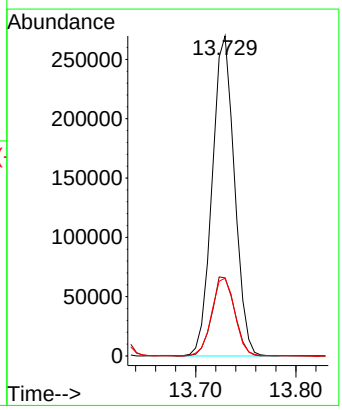


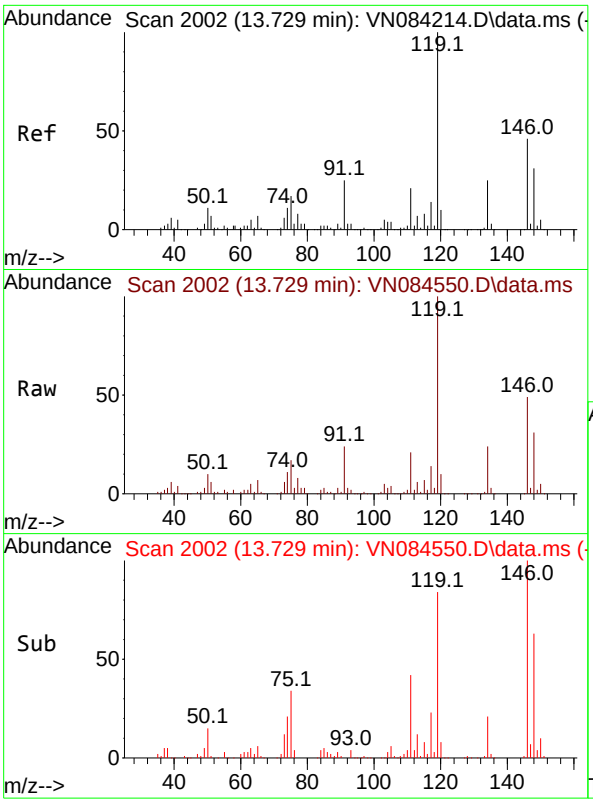


#86
p-Isopropyltoluene
Concen: 49.188 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:119 Resp: 416611

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	25.1	12.4	37.2

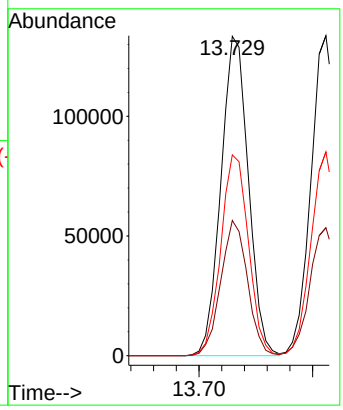




#87
1,3-Dichlorobenzene
Concen: 46.781 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:146 Resp: 22411

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.8	65.3
148	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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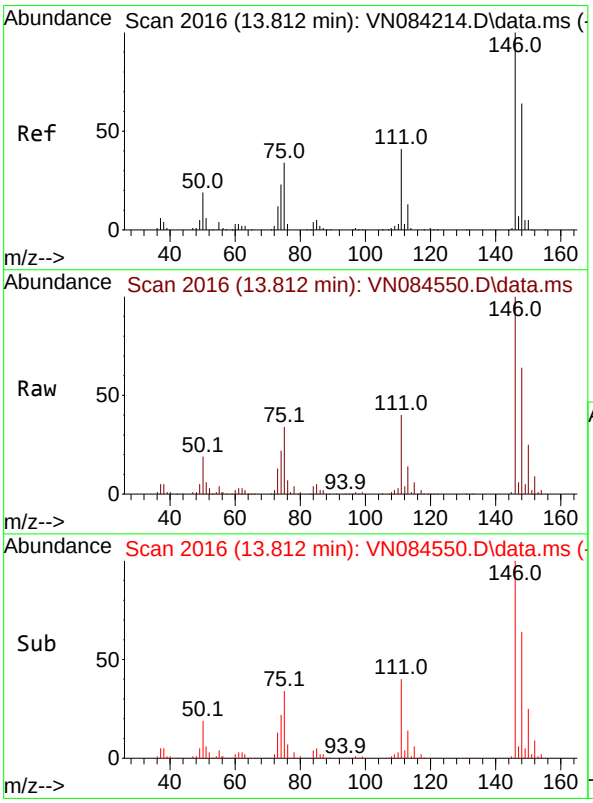
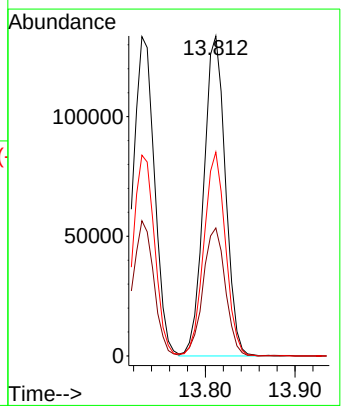
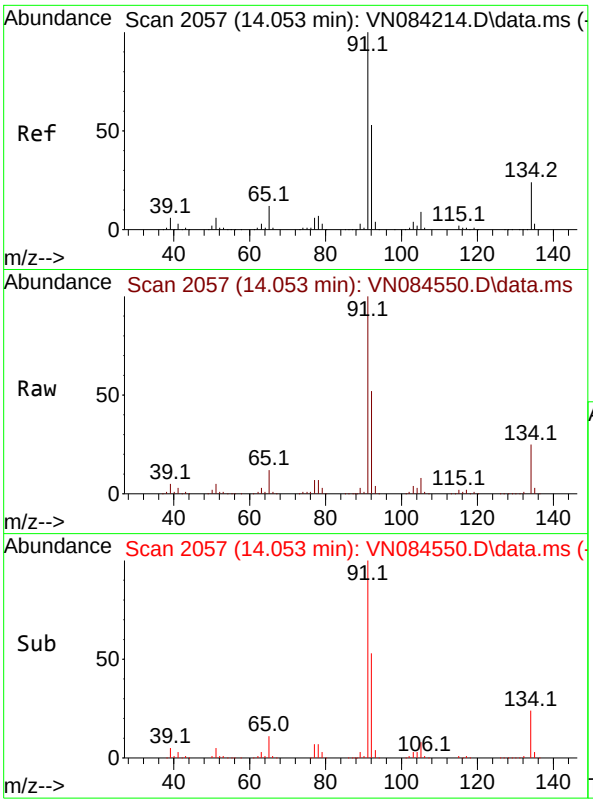


#88
1,4-Dichlorobenzene
Concen: 46.106 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:146 Resp: 223063

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.7	31.9	95.9





#89
n-Butylbenzene
Concen: 48.044 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 36898

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.7
134	24.9	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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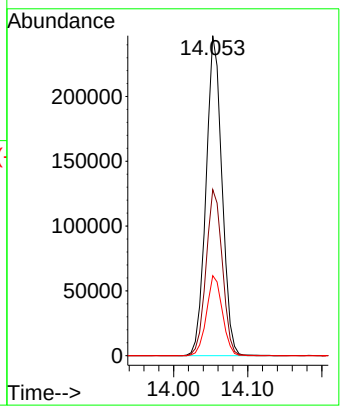
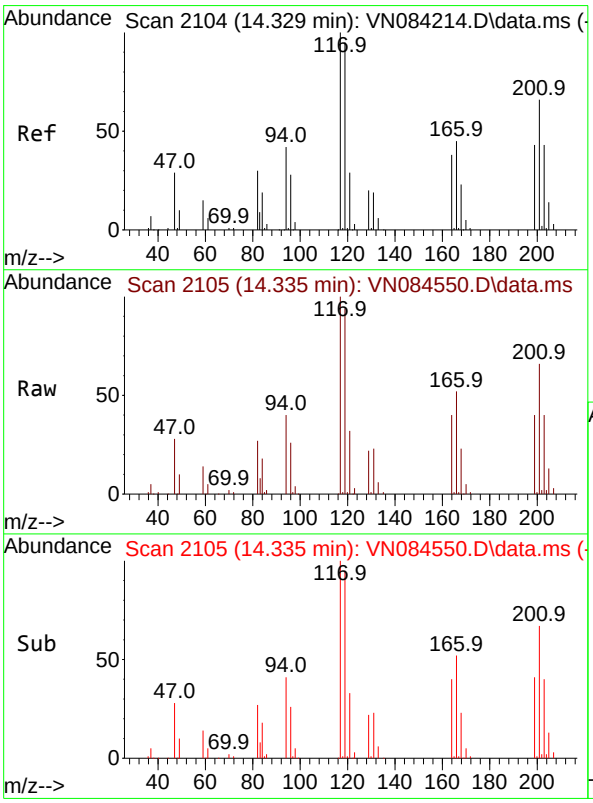
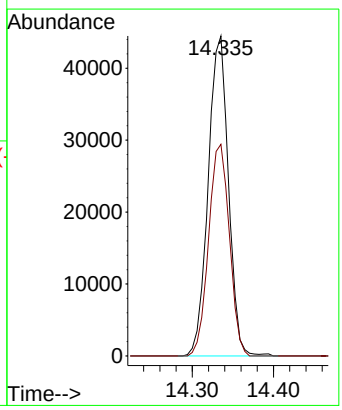


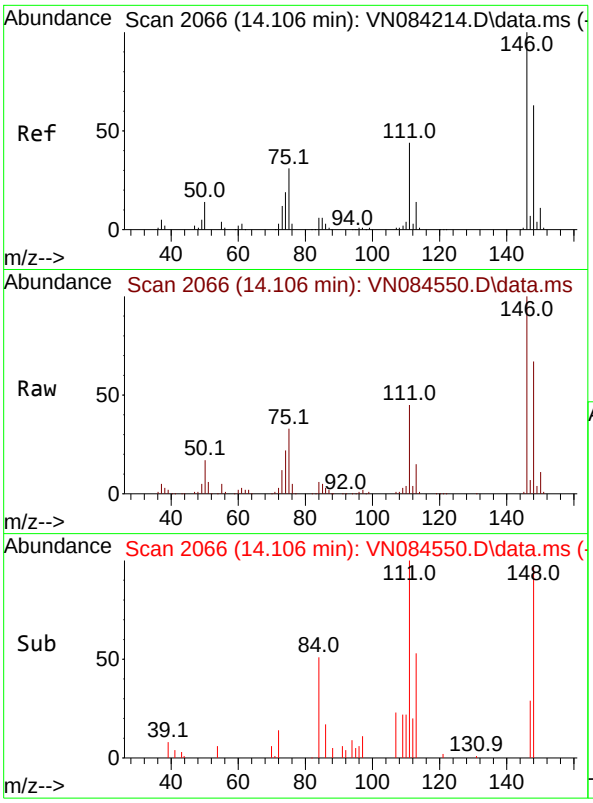


#90
Hexachloroethane
Concen: 44.795 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:117 Resp: 77012

Ion	Ratio	Lower	Upper
117	100		
201	67.8	34.4	103.2

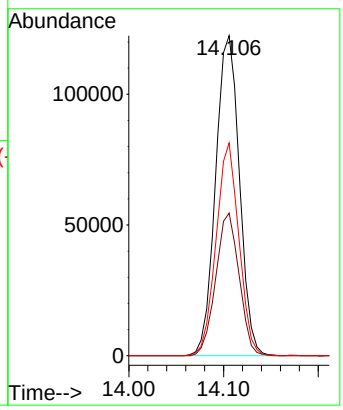




#91
1,2-Dichlorobenzene
Concen: 45.515 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:146 Resp: 21381

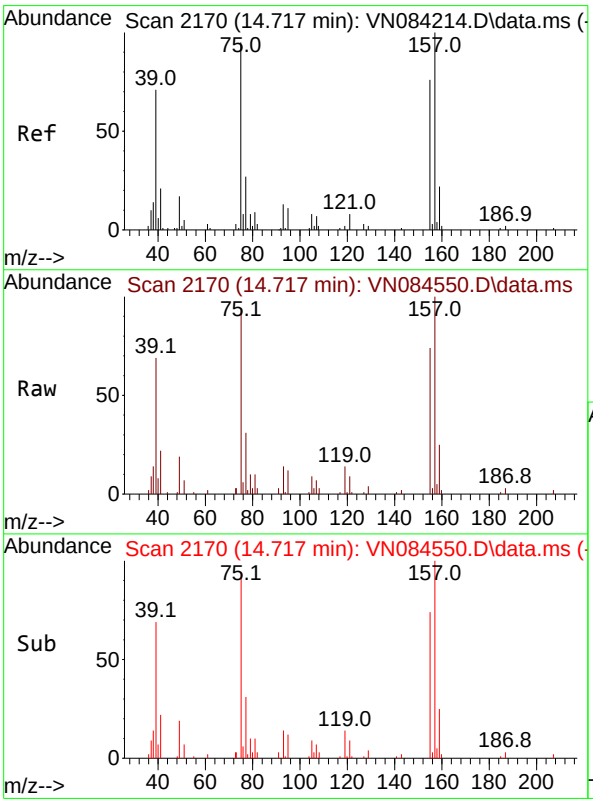
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

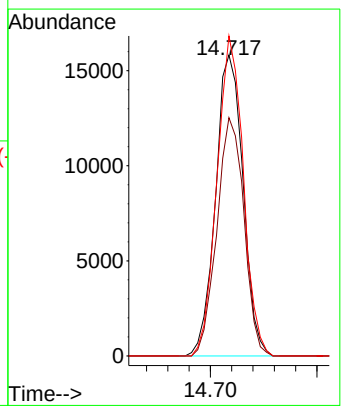
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

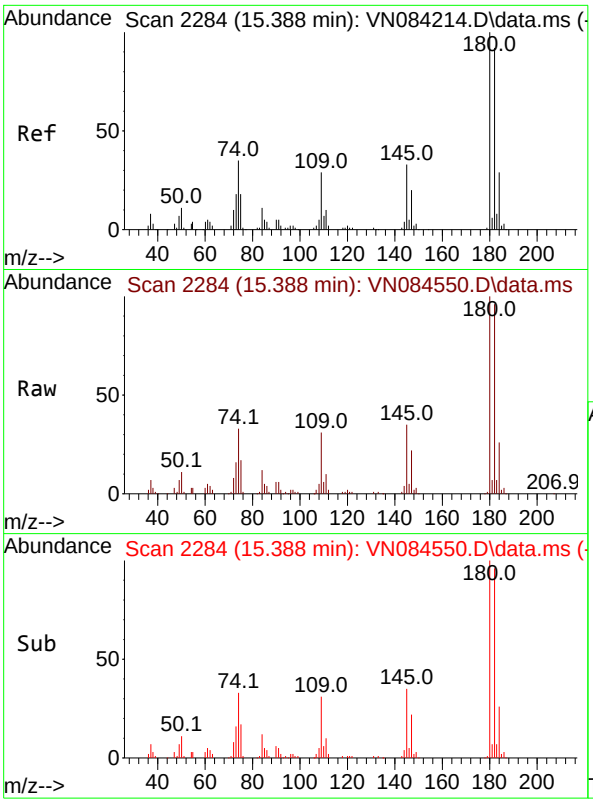


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.126 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 28331

Ion	Ratio	Lower	Upper
75	100		
155	77.9	38.1	114.5
157	101.6	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 48.069 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

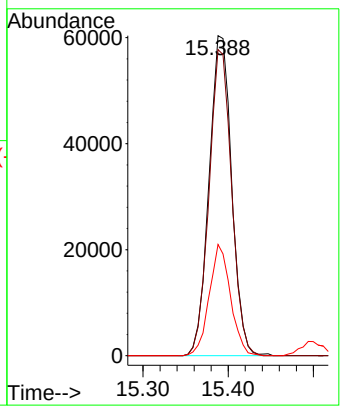
Tgt Ion:180 Resp: 11122

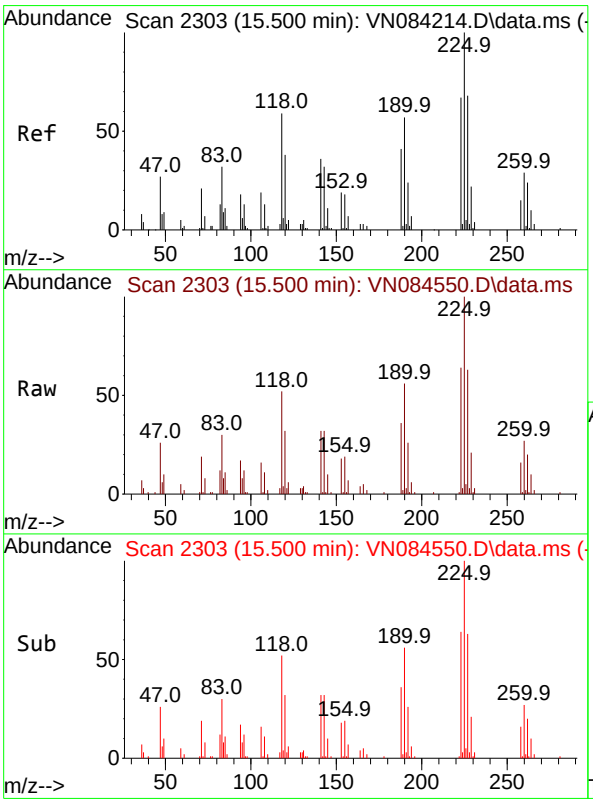
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	32.7	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

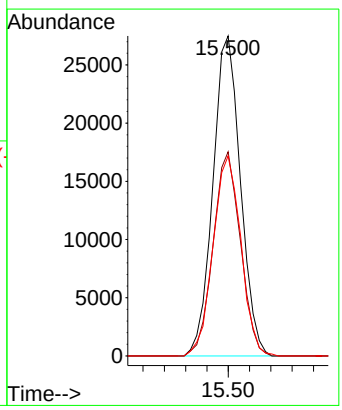


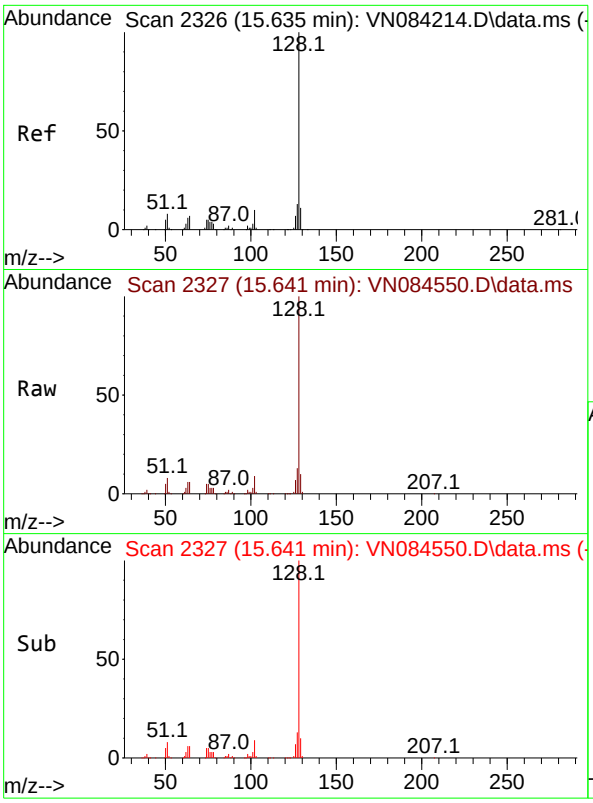


#94
Hexachlorobutadiene
Concen: 42.717 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:225 Resp: 49291

Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.2
227	63.1	32.4	97.0

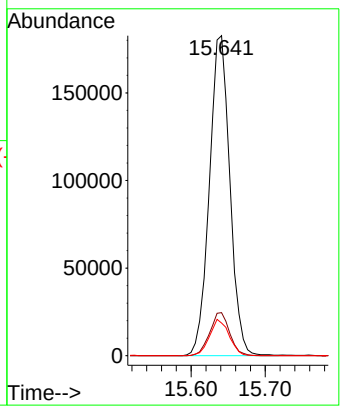




#95
Naphthalene
Concen: 45.730 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:128 Resp: 35078

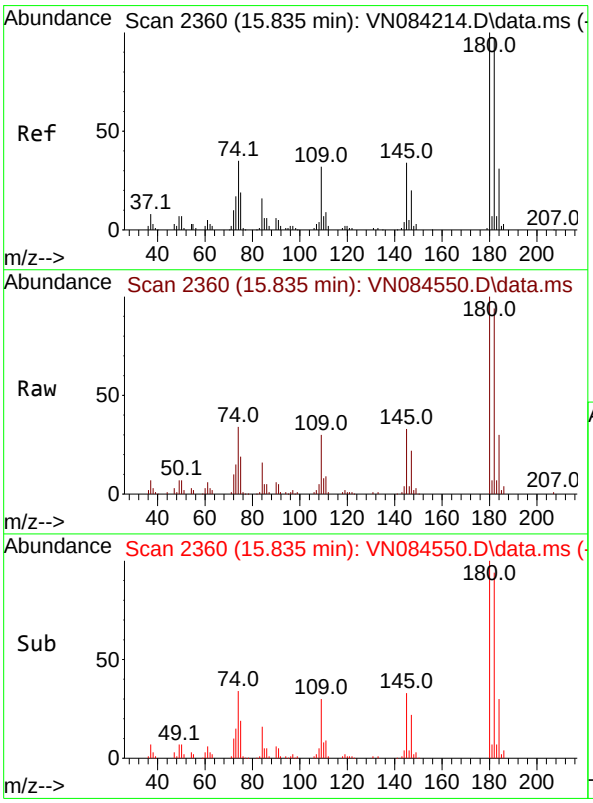
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

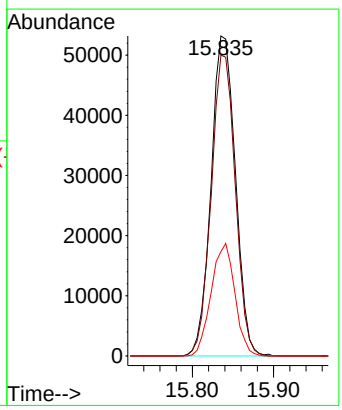
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.905 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:180 Resp: 110954

Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.2	144.6
145	34.2	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.591	0.544	8.0	82	0.00
3	P	Chloromethane	0.675	0.594	12.0	82	0.00
4	C	Vinyl Chloride	0.654	0.604	7.6#	83	0.00
5	T	Bromomethane	0.431	0.382	11.4	81	0.00
6	T	Chloroethane	0.468	0.380	18.8	84	0.00
7	T	Trichlorofluoromethane	1.019	1.042	-2.3	91	0.00
8	T	Diethyl Ether	0.378	0.366	3.2	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.610	-4.5	95	0.00
10	T	Methyl Iodide	0.752	0.722	4.0	83	-0.01
11	T	Tert butyl alcohol	0.122	0.101	17.2	75	-0.01
12	CM	1,1-Dichloroethene	0.563	0.563	0.0	88	0.00
13	T	Acrolein	0.140	0.135	3.6	87	0.00
14	T	Allyl chloride	0.978	0.886	9.4	82	0.00
15	T	Acrylonitrile	0.309	0.317	-2.6	92	0.00
16	T	Acetone	0.318	0.263	17.3	71	0.00
17	T	Carbon Disulfide	1.782	1.504	15.6	80	0.00
18	T	Methyl Acetate	0.694	0.831	-19.7	108	0.00
19	T	Methyl tert-butyl Ether	1.900	1.983	-4.4	90	0.00
20	T	Methylene Chloride	0.647	0.656	-1.4	92	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.597	-1.2	88	-0.01
22	T	Diisopropyl ether	2.022	2.116	-4.6	90	0.00
23	T	Vinyl Acetate	1.500	1.554	-3.6	87	0.00
24	P	1,1-Dichloroethane	1.131	1.181	-4.4	91	0.00
25	T	2-Butanone	0.434	0.417	3.9	85	0.00
26	T	2,2-Dichloropropane	1.020	0.939	7.9	80	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.747	-4.8	93	0.00
28	T	Bromochloromethane	0.505	0.495	2.0	92	0.00
29	T	Tetrahydrofuran	0.268	0.277	-3.4	90	0.00
30	C	Chloroform	1.175	1.243	-5.8#	95	0.00
31	T	Cyclohexane	1.098	0.983	10.5	85	0.00
32	T	1,1,1-Trichloroethane	1.055	1.107	-4.9	93	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.754	-1.8	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.330	0.351	-6.4	99	0.00
36	T	1,1-Dichloropropene	0.479	0.489	-2.1	88	0.00
37	T	Ethyl Acetate	0.491	0.496	-1.0	90	0.00
38	T	Carbon Tetrachloride	0.525	0.548	-4.4	92	0.00
39	T	Methylcyclohexane	0.533	0.528	0.9	83	0.00
40	TM	Benzene	1.492	1.566	-5.0	93	0.00
41	T	Methacrylonitrile	0.267	0.270	-1.1	86	0.00
42	TM	1,2-Dichloroethane	0.506	0.516	-2.0	90	0.00
43	T	Isopropyl Acetate	0.962	1.072	-11.4	110	0.00
44	TM	Trichloroethene	0.348	0.355	-2.0	90	0.00
45	C	1,2-Dichloropropane	0.353	0.381	-7.9#	93	0.00
46	T	Dibromomethane	0.238	0.266	-11.8	94	0.00
47	T	Bromodichloromethane	0.529	0.577	-9.1	95	0.00
48	T	Methyl methacrylate	0.383	0.405	-5.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.006	14.3	80	0.00
50	S	Toluene-d8	1.213	1.244	-2.6	92	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.512	-9.4	92	0.00
52	CM	Toluene	0.910	0.966	-6.2#	91	0.00
53	T	t-1,3-Dichloropropene	0.539	0.566	-5.0	88	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.614	-5.9	88	0.00
55	T	1,1,2-Trichloroethane	0.326	0.366	-12.3	96	0.00
56	T	Ethyl methacrylate	0.537	0.596	-11.0	91	0.00
57	T	1,3-Dichloropropane	0.583	0.628	-7.7	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.278	-11.6	91	0.00
59	T	2-Hexanone	0.349	0.374	-7.2	89	0.00
60	T	Dibromochloromethane	0.385	0.431	-11.9	95	0.00
61	T	1,2-Dibromoethane	0.339	0.363	-7.1	93	0.00
62	S	4-Bromofluorobenzene	0.442	0.487	-10.2	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.348	0.344	1.1	92	0.00
65	PM	Chlorobenzene	1.109	1.144	-3.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.403	-5.5	95	0.00
67	C	Ethyl Benzene	1.961	2.025	-3.3#	91	0.00
68	T	m/p-Xylenes	0.725	0.788	-8.7	94	0.00
69	T	o-Xylene	0.686	0.748	-9.0	93	0.00
70	T	Styrene	1.162	1.312	-12.9	96	0.00
71	P	Bromoform	0.281	0.318	-13.2	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.815	3.459	9.3	91	0.00
74	T	N-amyl acetate	1.728	1.518	12.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.090	5.0	100	0.00
76	T	1,2,3-Trichloropropane	1.021	0.991	2.9	96	0.00
77	T	Bromobenzene	0.920	0.865	6.0	99	0.00
78	T	n-propylbenzene	4.421	4.267	3.5	94	0.00
79	T	2-Chlorotoluene	2.821	2.586	8.3	93	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.027	2.7	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.374	12.2	90	0.00
82	T	4-Chlorotoluene	2.840	2.625	7.6	94	0.00
83	T	tert-Butylbenzene	2.766	2.546	8.0	91	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.042	3.0	94	0.00
85	T	sec-Butylbenzene	3.691	3.573	3.2	94	0.00
86	T	p-Isopropyltoluene	3.052	3.003	1.6	93	0.00
87	T	1,3-Dichlorobenzene	1.727	1.615	6.5	98	0.00
88	T	1,4-Dichlorobenzene	1.744	1.608	7.8	98	0.00
89	T	n-Butylbenzene	2.768	2.660	3.9	93	0.00
90	T	Hexachloroethane	0.620	0.555	10.5	94	0.00
91	T	1,2-Dichlorobenzene	1.693	1.541	9.0	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.204	13.9	93	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.802	3.8	93	0.00
94	T	Hexachlorobutadiene	0.416	0.355	14.7	97	0.00
95	T	Naphthalene	2.764	2.528	8.5	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.835	0.800	4.2	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	45.994	8.0	82	0.00
3	P	Chloromethane	50.000	43.989	12.0	82	0.00
4	C	Vinyl Chloride	50.000	46.148	7.7#	83	0.00
5	T	Bromomethane	50.000	44.236	11.5	81	0.00
6	T	Chloroethane	50.000	40.593	18.8	84	0.00
7	T	Trichlorofluoromethane	50.000	51.153	-2.3	91	0.00
8	T	Diethyl Ether	50.000	48.471	3.1	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.260	-4.5	95	0.00
10	T	Methyl Iodide	50.000	48.011	4.0	83	-0.01
11	T	Tert butyl alcohol	250.000	205.659	17.7	75	-0.01
12	CM	1,1-Dichloroethene	50.000	49.989	0.0#	88	0.00
13	T	Acrolein	250.000	241.078	3.6	87	0.00
14	T	Allyl chloride	50.000	45.312	9.4	82	0.00
15	T	Acrylonitrile	250.000	256.919	-2.8	92	0.00
16	T	Acetone	250.000	206.092	17.6	71	0.00
17	T	Carbon Disulfide	50.000	42.182	15.6	80	0.00
18	T	Methyl Acetate	50.000	59.855	-19.7	108	0.00
19	T	Methyl tert-butyl Ether	50.000	52.182	-4.4	90	0.00
20	T	Methylene Chloride	50.000	50.640	-1.3	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.620	-1.2	88	-0.01
22	T	Diisopropyl ether	50.000	52.311	-4.6	90	0.00
23	T	Vinyl Acetate	250.000	258.966	-3.6	87	0.00
24	P	1,1-Dichloroethane	50.000	52.192	-4.4	91	0.00
25	T	2-Butanone	250.000	240.294	3.9	85	0.00
26	T	2,2-Dichloropropane	50.000	46.062	7.9	80	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.393	-4.8	93	0.00
28	T	Bromochloromethane	50.000	49.048	1.9	92	0.00
29	T	Tetrahydrofuran	250.000	258.688	-3.5	90	0.00
30	C	Chloroform	50.000	52.910	-5.8#	95	0.00
31	T	Cyclohexane	50.000	44.753	10.5	85	0.00
32	T	1,1,1-Trichloroethane	50.000	52.455	-4.9	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.827	-1.7	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.305	-6.6	99	0.00
36	T	1,1-Dichloropropene	50.000	51.083	-2.2	88	0.00
37	T	Ethyl Acetate	50.000	50.519	-1.0	90	0.00
38	T	Carbon Tetrachloride	50.000	52.192	-4.4	92	0.00
39	T	Methylcyclohexane	50.000	49.523	1.0	83	0.00
40	TM	Benzene	50.000	52.498	-5.0	93	0.00
41	T	Methacrylonitrile	50.000	50.587	-1.2	86	0.00
42	TM	1,2-Dichloroethane	50.000	50.982	-2.0	90	0.00
43	T	Isopropyl Acetate	50.000	55.693	-11.4	110	0.00
44	TM	Trichloroethene	50.000	50.971	-1.9	90	0.00
45	C	1,2-Dichloropropane	50.000	54.048	-8.1#	93	0.00
46	T	Dibromomethane	50.000	55.856	-11.7	94	0.00
47	T	Bromodichloromethane	50.000	54.492	-9.0	95	0.00
48	T	Methyl methacrylate	50.000	52.892	-5.8	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	905.532	9.4	80	0.00
50	S	Toluene-d8	50.000	51.281	-2.6	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	273.966	-9.6	92	0.00
52	CM	Toluene	50.000	53.095	-6.2#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	52.443	-4.9	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.878	-5.8	88	0.00
55	T	1,1,2-Trichloroethane	50.000	56.093	-12.2	96	0.00
56	T	Ethyl methacrylate	50.000	55.509	-11.0	91	0.00
57	T	1,3-Dichloropropane	50.000	53.853	-7.7	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.356	-11.7	91	0.00
59	T	2-Hexanone	250.000	267.402	-7.0	89	0.00
60	T	Dibromochloromethane	50.000	55.989	-12.0	95	0.00
61	T	1,2-Dibromoethane	50.000	53.550	-7.1	93	0.00
62	S	4-Bromofluorobenzene	50.000	55.163	-10.3	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	49.432	1.1	92	0.00
65	PM	Chlorobenzene	50.000	51.584	-3.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.733	-5.5	95	0.00
67	C	Ethyl Benzene	50.000	51.646	-3.3#	91	0.00
68	T	m/p-Xylenes	100.000	108.723	-8.7	94	0.00
69	T	o-Xylene	50.000	54.486	-9.0	93	0.00
70	T	Styrene	50.000	56.451	-12.9	96	0.00
71	P	Bromoform	50.000	56.547	-13.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	45.329	9.3	91	0.00
74	T	N-amyl acetate	50.000	43.939	12.1	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.496	5.0	100	0.00
76	T	1,2,3-Trichloropropane	50.000	48.524	3.0	96	0.00
77	T	Bromobenzene	50.000	46.967	6.1	99	0.00
78	T	n-propylbenzene	50.000	48.258	3.5	94	0.00
79	T	2-Chlorotoluene	50.000	45.840	8.3	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.634	2.7	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.866	12.3	90	0.00
82	T	4-Chlorotoluene	50.000	46.224	7.6	94	0.00
83	T	tert-Butylbenzene	50.000	46.015	8.0	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.507	3.0	94	0.00
85	T	sec-Butylbenzene	50.000	48.392	3.2	94	0.00
86	T	p-Isopropyltoluene	50.000	49.188	1.6	93	0.00
87	T	1,3-Dichlorobenzene	50.000	46.781	6.4	98	0.00
88	T	1,4-Dichlorobenzene	50.000	46.106	7.8	98	0.00
89	T	n-Butylbenzene	50.000	48.044	3.9	93	0.00
90	T	Hexachloroethane	50.000	44.795	10.4	94	0.00
91	T	1,2-Dichlorobenzene	50.000	45.515	9.0	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.126	13.7	93	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.069	3.9	93	0.00
94	T	Hexachlorobutadiene	50.000	42.717	14.6	97	0.00
95	T	Naphthalene	50.000	45.730	8.5	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.905	4.2	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

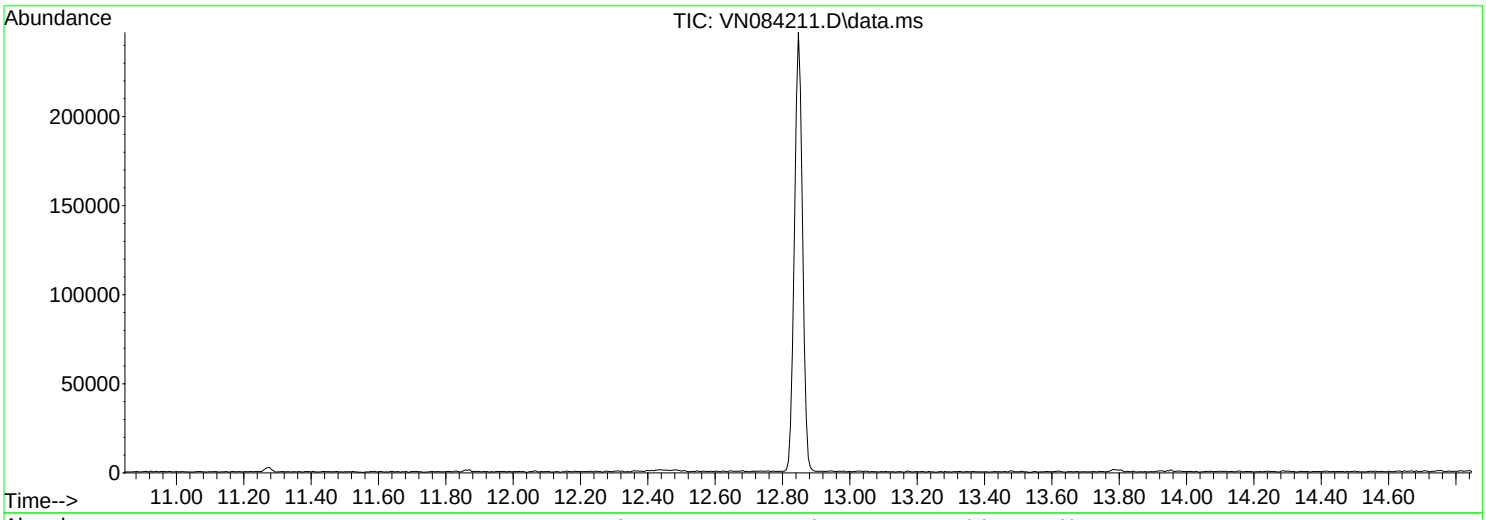
QC SAMPLE DATA

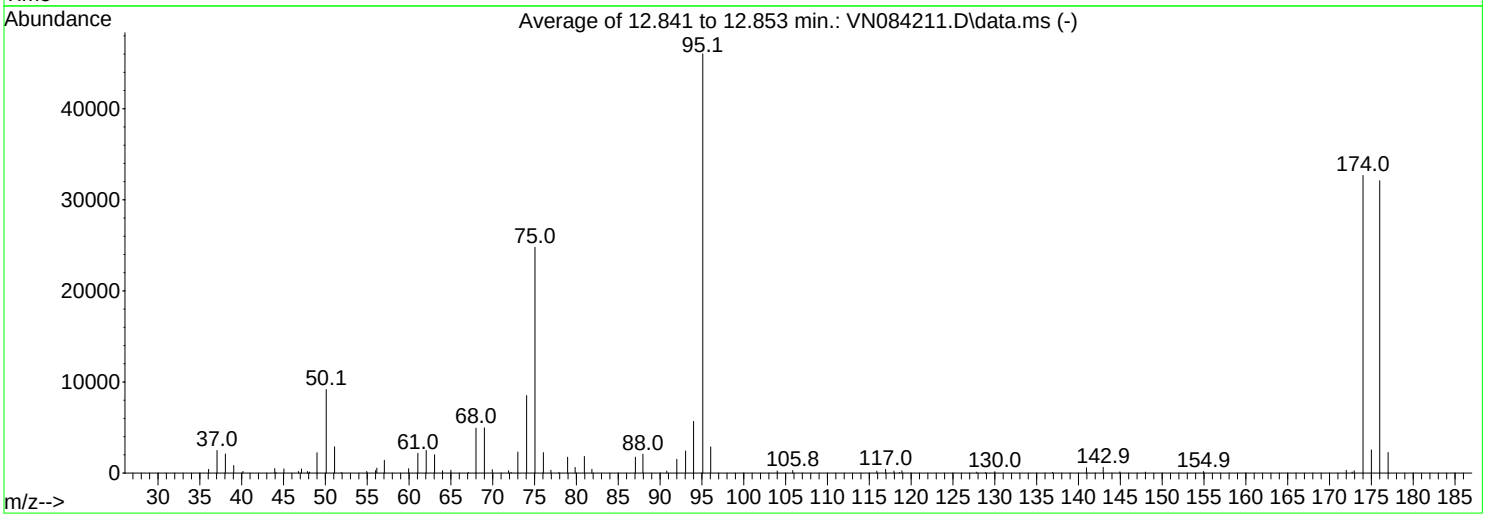
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084211.D
Acq On : 30 Sep 2024 09:24
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

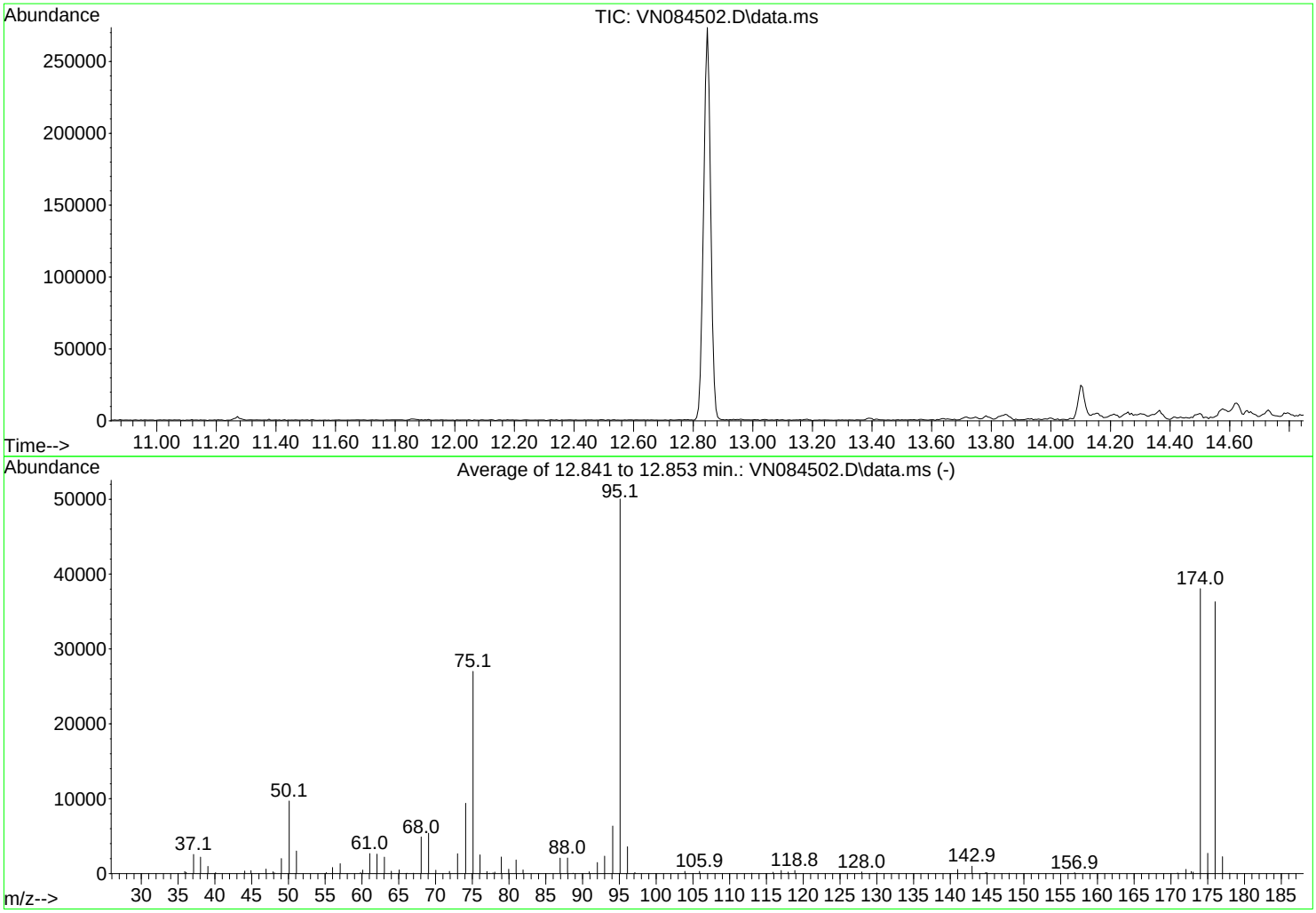
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	9177	PASS
75	95	30	60	53.9	24795	PASS
95	95	100	100	100.0	46040	PASS
96	95	5	9	6.3	2879	PASS
173	174	0.00	2	0.8	259	PASS
174	95	50	100	71.0	32685	PASS
175	174	5	9	7.8	2541	PASS
176	174	95	101	98.2	32104	PASS
177	176	5	9	7.0	2260	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

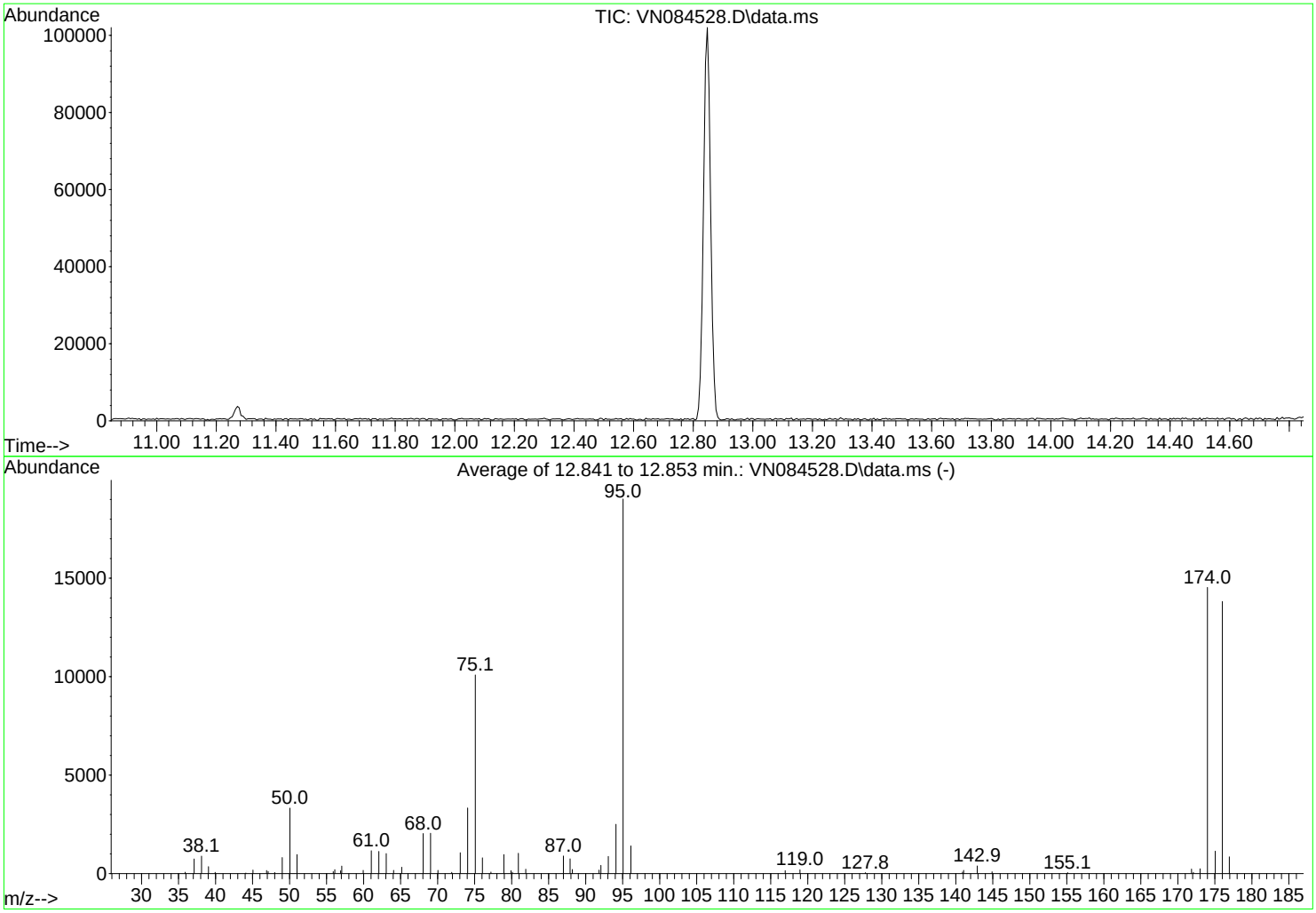
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	9707	PASS
75	95	30	60	54.0	27013	PASS
95	95	100	100	100.0	50032	PASS
96	95	5	9	7.2	3591	PASS
173	174	0.00	2	0.7	282	PASS
174	95	50	100	76.0	38048	PASS
175	174	5	9	7.1	2716	PASS
176	174	95	101	95.4	36315	PASS
177	176	5	9	6.2	2254	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084528.D
Acq On : 28 Oct 2024 09:18
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	17.5	3329	PASS
75	95	30	60	53.0	10092	PASS
95	95	100	100	100.0	19024	PASS
96	95	5	9	7.4	1405	PASS
173	174	0.00	2	1.7	248	PASS
174	95	50	100	76.4	14532	PASS
175	174	5	9	7.9	1143	PASS
176	174	95	101	95.1	13817	PASS
177	176	5	9	6.2	850	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:	VN1025WBL02	SDG No.:	P4550
Lab Sample ID:	VN1025WBL02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084508.D	1		10/25/24 11:51	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	VN1025WBL02	SDG No.:	P4550
Lab Sample ID:	VN1025WBL02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084508.D	1		10/25/24 11:51	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		85 - 114		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	8.224				
540-36-3	1,4-Difluorobenzene	289000	9.1				
3114-55-4	Chlorobenzene-d5	249000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.788				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084508.D
Acq On : 25 Oct 2024 11:51
Operator : JC\MD
Sample : VN1025WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Quant Time: Oct 25 23:30:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123323	52.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.440%			
35) Dibromofluoromethane	8.165	113	98022	51.380	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%			
50) Toluene-d8	10.565	98	326081	46.457	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.847	95	110012	43.023	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.040%			

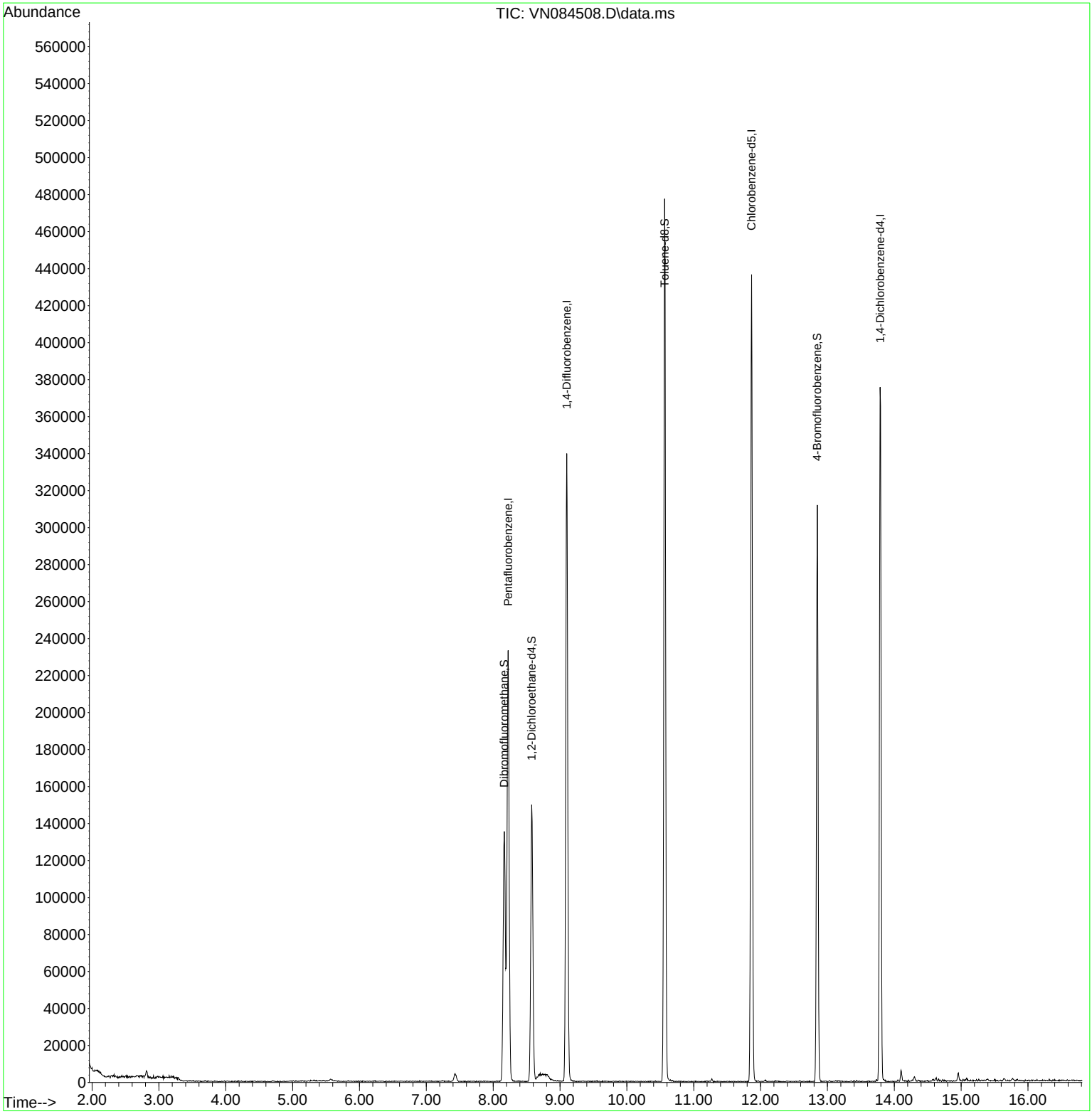
Target Compounds Qvalue

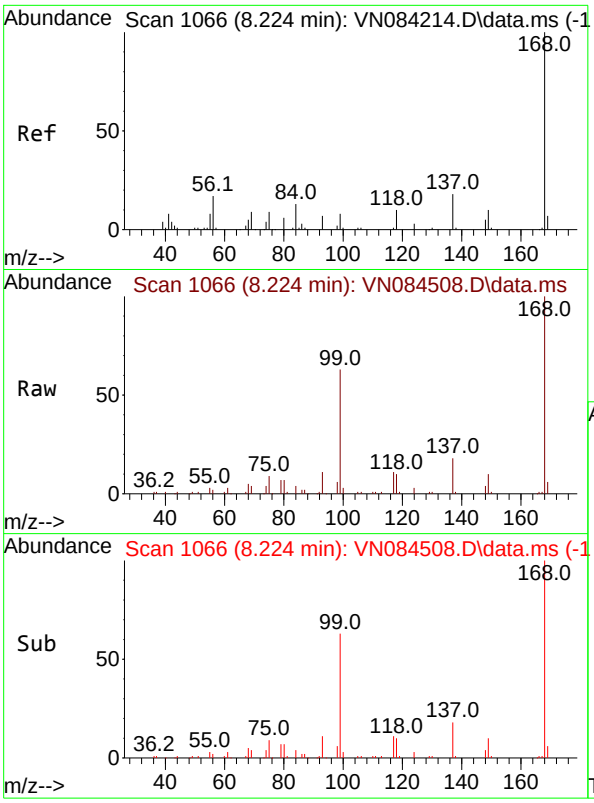
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084508.D
Acq On : 25 Oct 2024 11:51
Operator : JC\MD
Sample : VN1025WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Quant Time: Oct 25 23:30:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



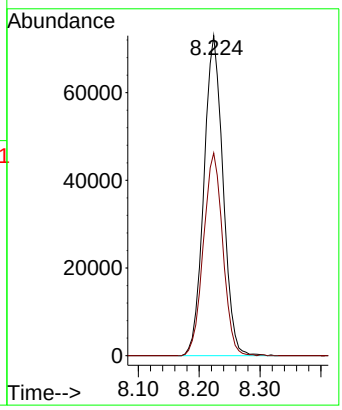


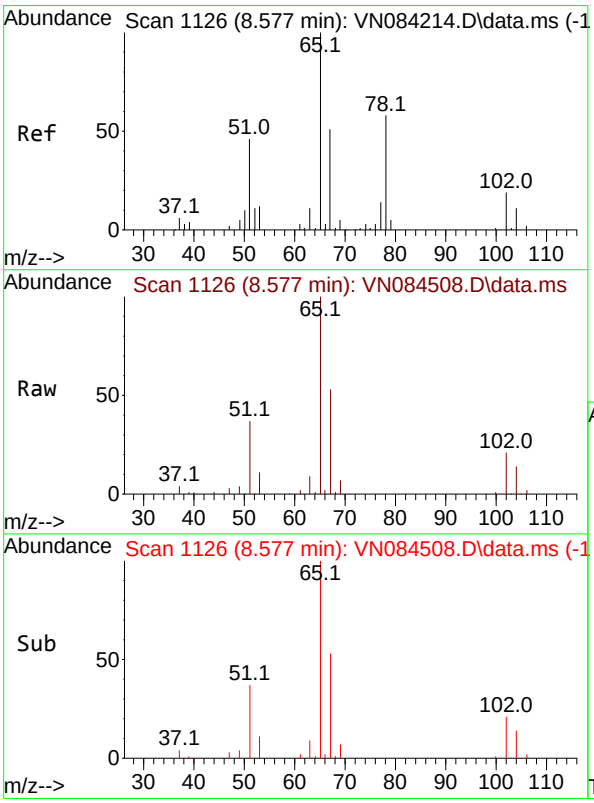
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Tgt Ion:168 Resp: 159284

Ion	Ratio	Lower	Upper
168	100		
99	63.4	54.2	81.2

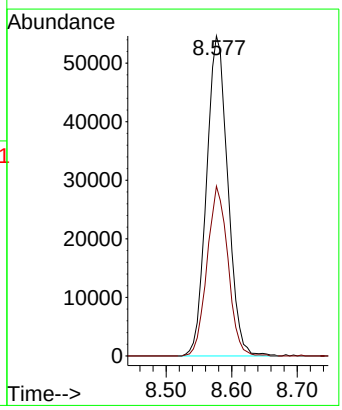


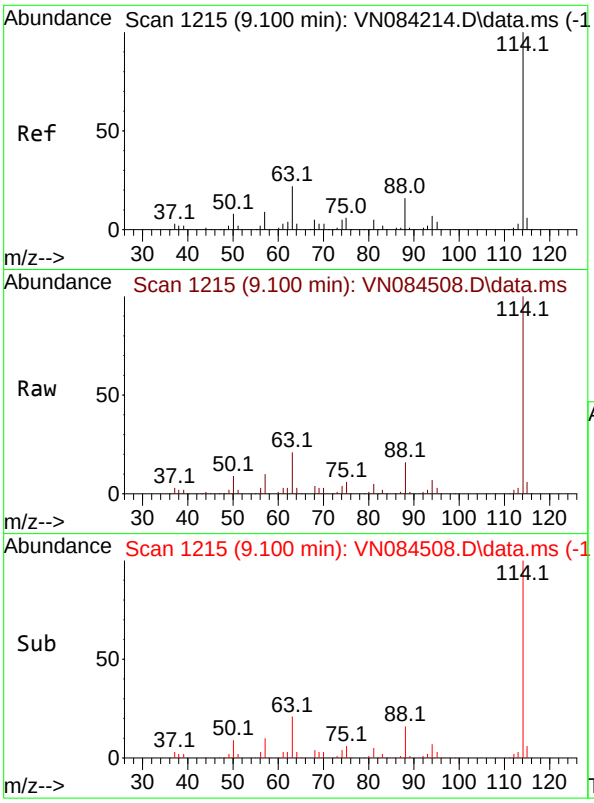


#33
1,2-Dichloroethane-d4
Concen: 52.218 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Tgt Ion: 65 Resp: 123323

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



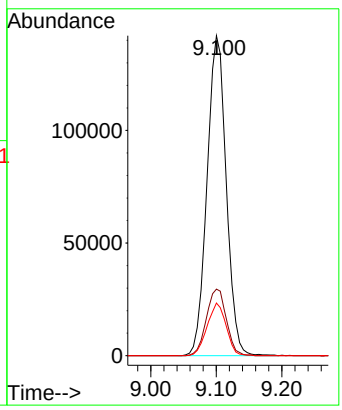


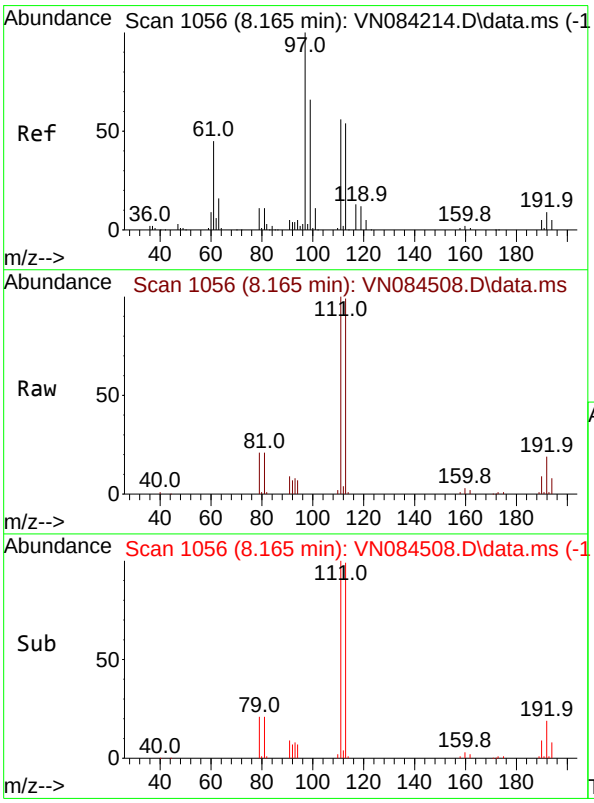
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Tgt Ion:114 Resp: 289382

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.8
88	16.5	0.0	31.6

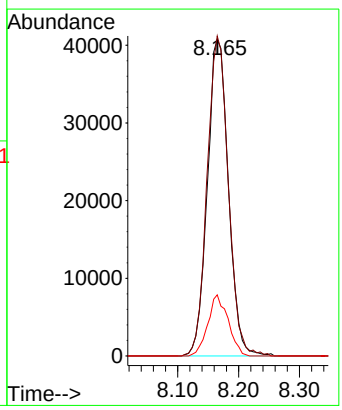


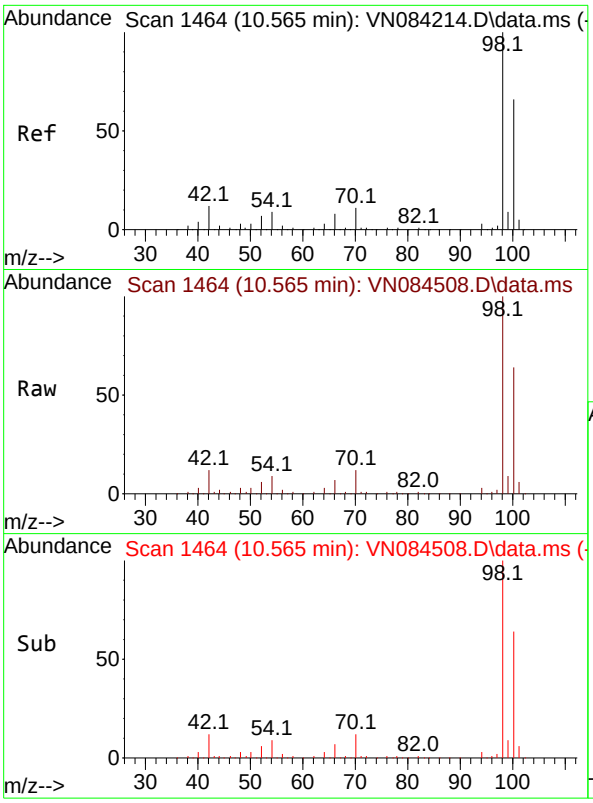


#35
Dibromofluoromethane
Concen: 51.380 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Tgt Ion:113 Resp: 98022

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.3	124.9
192	18.6	13.5	20.3



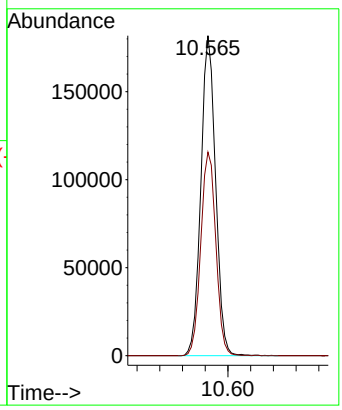


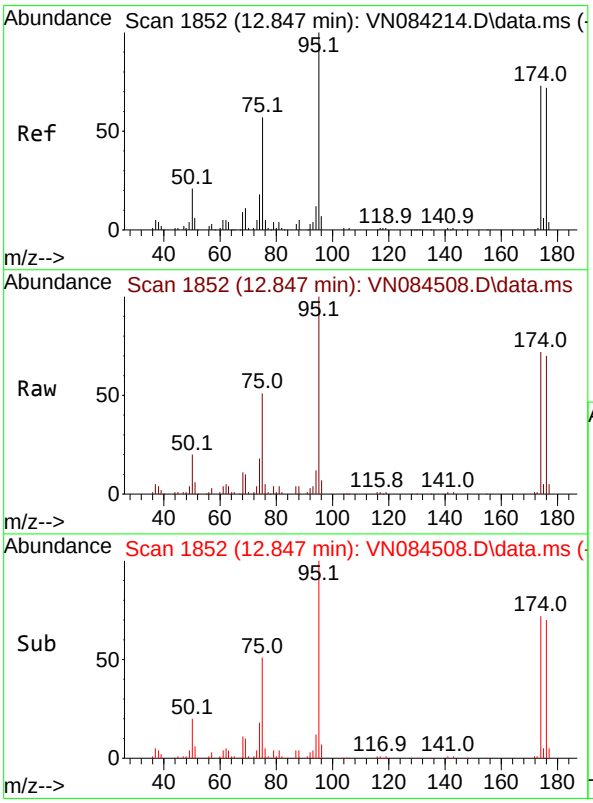
#50
Toluene-d8
Concen: 46.457 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Tgt Ion: 98 Resp: 326081

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

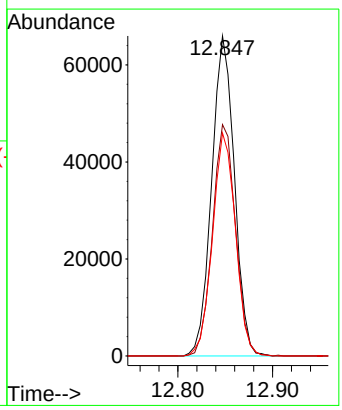


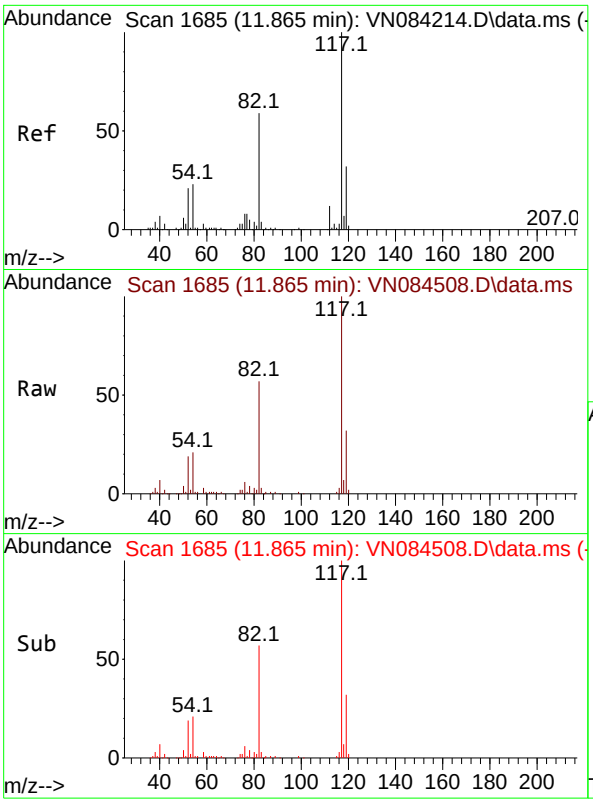


#62
4-Bromofluorobenzene
Concen: 43.023 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Tgt Ion: 95 Resp: 110012

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	145.2
176	70.4	0.0	140.0



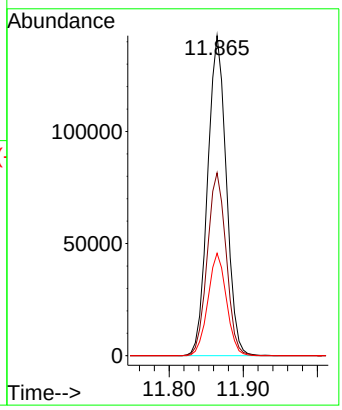


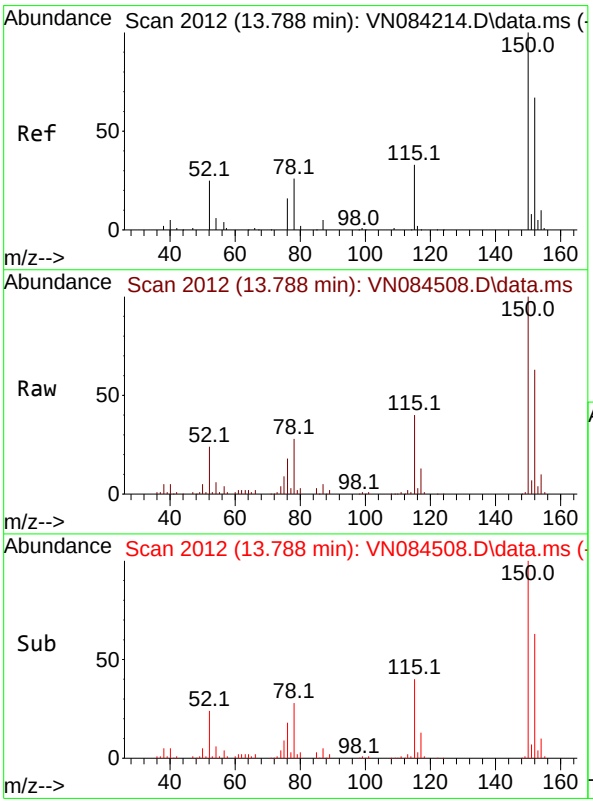
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Tgt Ion:117 Resp: 249149

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.2	70.8
119	32.0	25.4	38.0

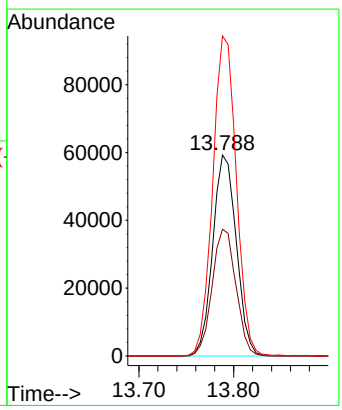




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084508.D
Acq: 25 Oct 2024 11:51

Tgt Ion:152 Resp: 102517

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	159.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084508.D
Acq On : 25 Oct 2024 11:51
Operator : JC\MD
Sample : VN1025WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084508.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.430	923	931	941	rVB	4369	11471	1.32%	0.246%
2	8.165	1047	1056	1060	rBV	134830	305244	35.22%	6.539%
3	8.224	1060	1066	1078	rVB	232682	514150	59.33%	11.015%
4	8.577	1117	1126	1135	rBV	149597	332195	38.33%	7.117%
5	9.100	1207	1215	1226	rBV	339038	685307	79.08%	14.682%
6	10.565	1456	1464	1477	rBV	477116	866596	100.00%	18.566%
7	11.865	1677	1685	1696	rBV	436431	773923	89.31%	16.580%
8	12.847	1845	1852	1863	rVB	311741	523334	60.39%	11.212%
9	13.788	2005	2012	2020	rBV	374979	646668	74.62%	13.854%
10	14.100	2061	2065	2070	rBV3	6168	8835	1.02%	0.189%

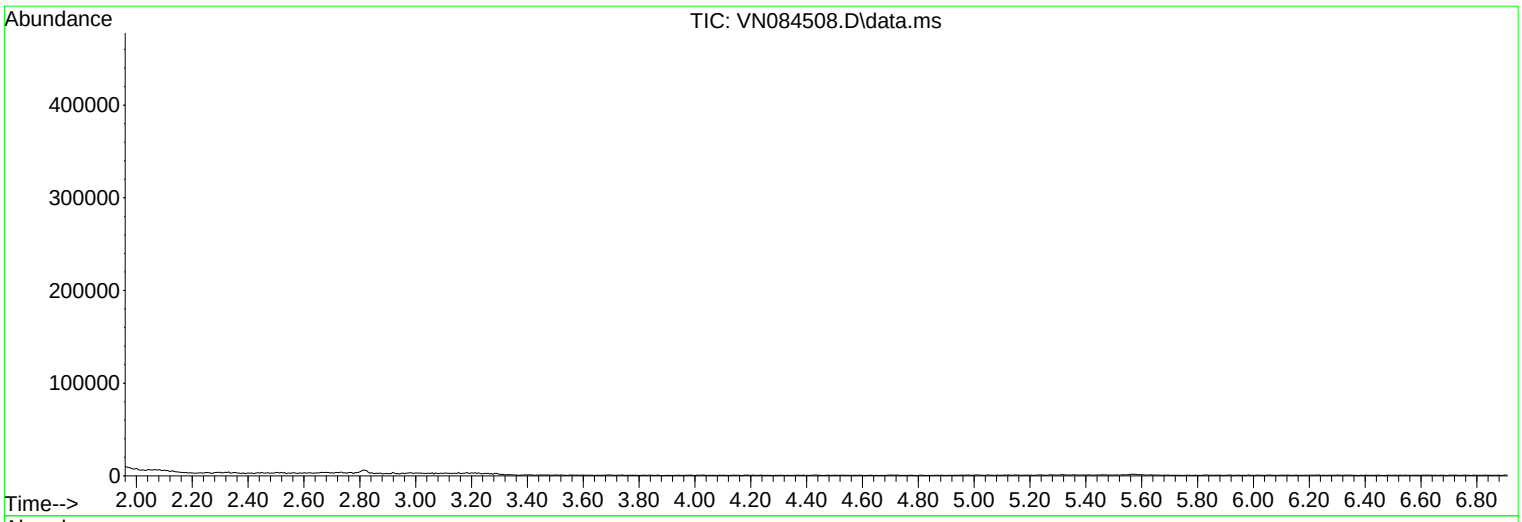
Sum of corrected areas: 4667723

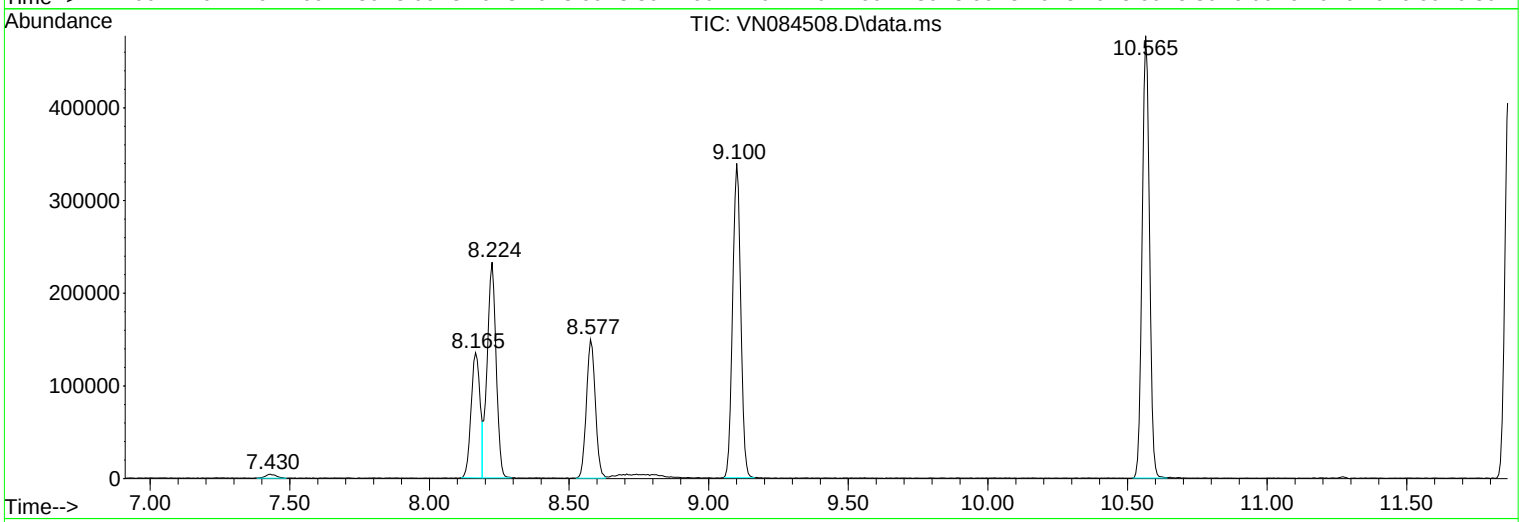
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084508.D
Acq On : 25 Oct 2024 11:51
Operator : JC\MD
Sample : VN1025WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

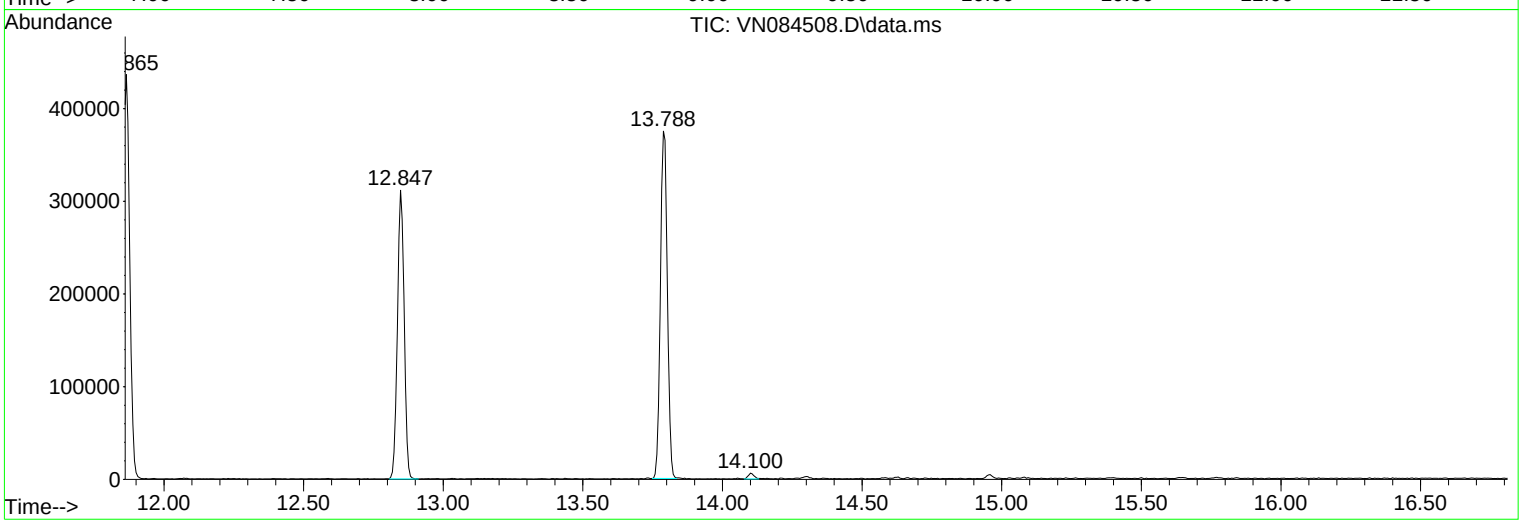
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084508.D
Acq On : 25 Oct 2024 11:51
Operator : JC\MD
Sample : VN1025WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084508.D
Acq On : 25 Oct 2024 11:51
Operator : JC\MD
Sample : VN1025WBL02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	VN1028WBL01	SDG No.:	P4550
Lab Sample ID:	VN1028WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084531.D	1		10/28/24 11:42	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	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:	VN1028WBL01	SDG No.:	P4550
Lab Sample ID:	VN1028WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084531.D	1		10/28/24 11:42	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	8.224				
540-36-3	1,4-Difluorobenzene	294000	9.1				
3114-55-4	Chlorobenzene-d5	254000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.788				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084531.D
Acq On : 28 Oct 2024 11:42
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Time: Oct 28 14:14:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122120	49.686	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.380%			
35) Dibromofluoromethane	8.165	113	99532	51.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	10.565	98	352609	49.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.847	95	116395	44.880	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.760%			

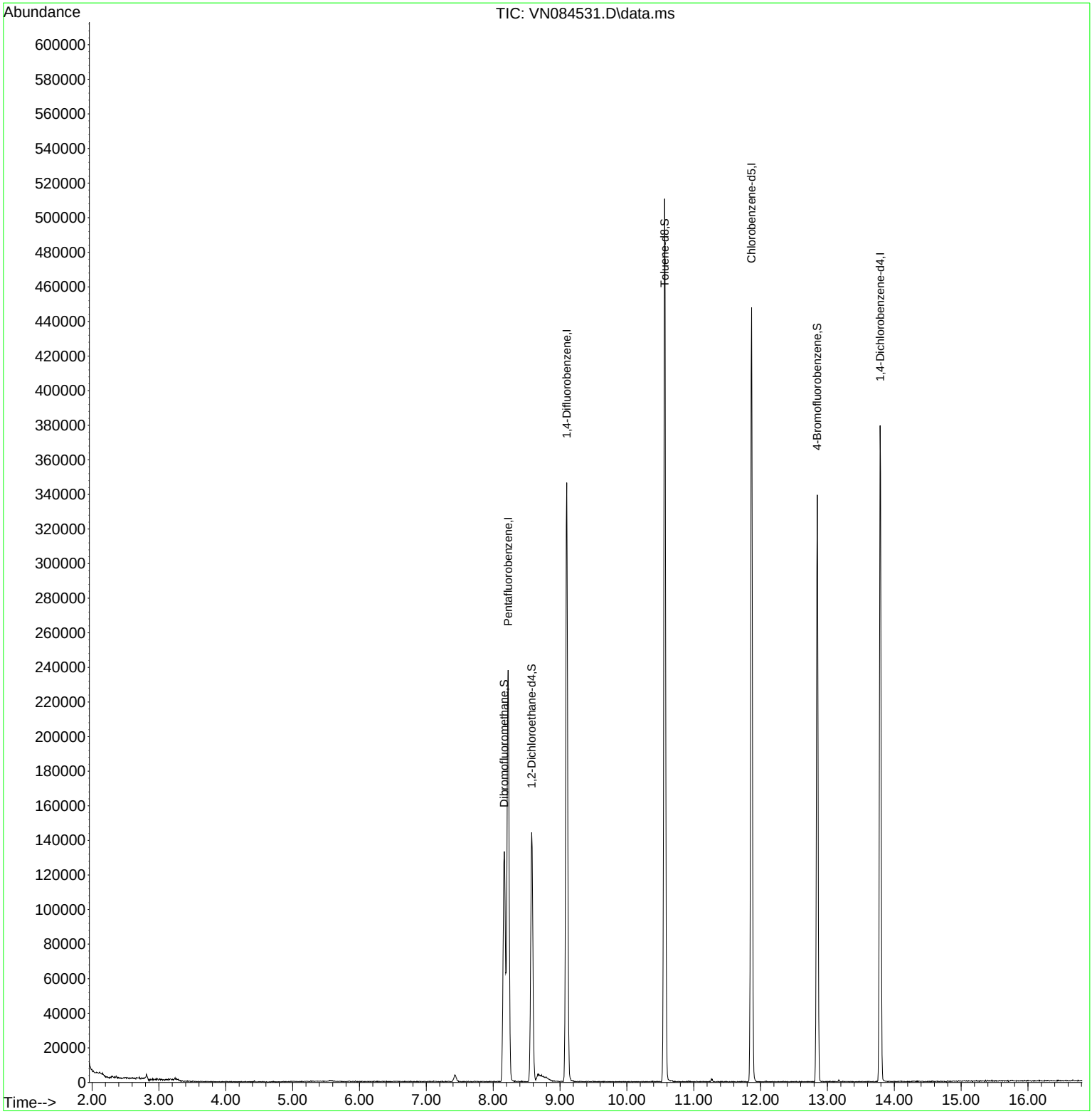
Target Compounds Qvalue

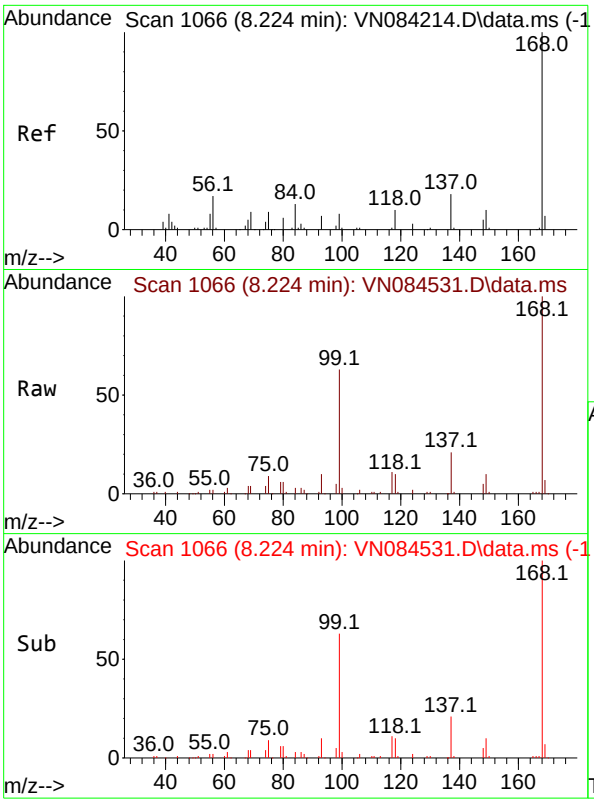
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084531.D
Acq On : 28 Oct 2024 11:42
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Time: Oct 28 14:14:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



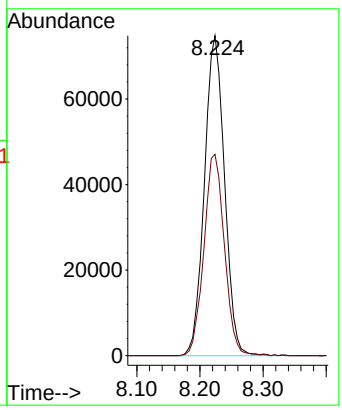


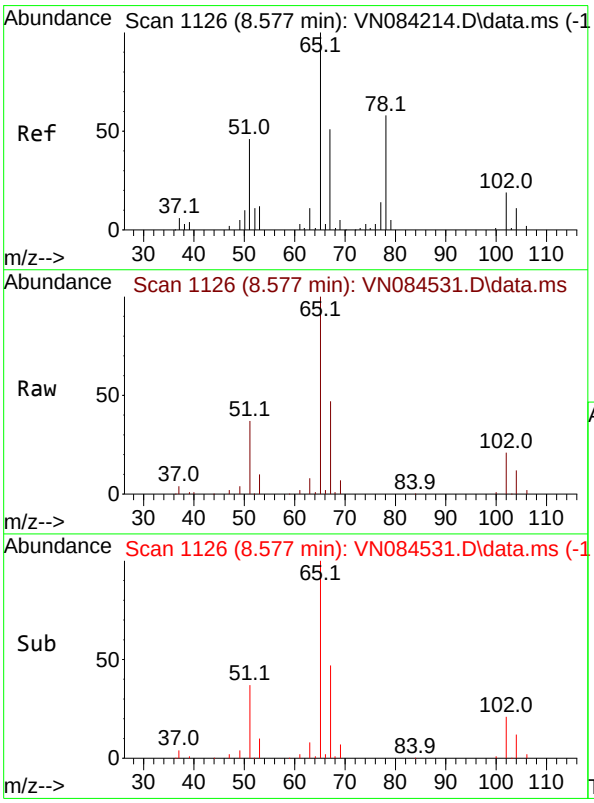
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:168 Resp: 165769

Ion	Ratio	Lower	Upper
168	100		
99	62.9	54.2	81.2

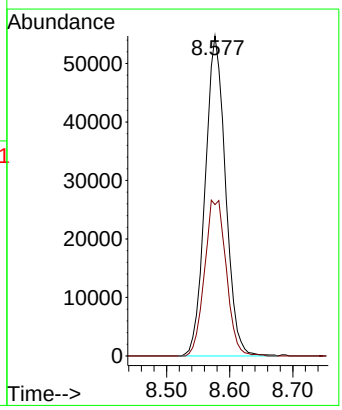


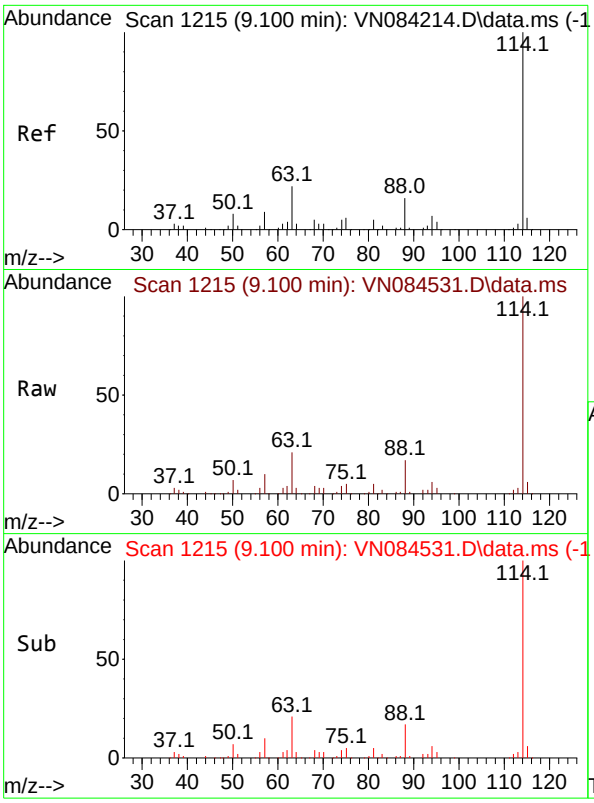


#33
1,2-Dichloroethane-d4
Concen: 49.686 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Tgt Ion: 65 Resp: 122120

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



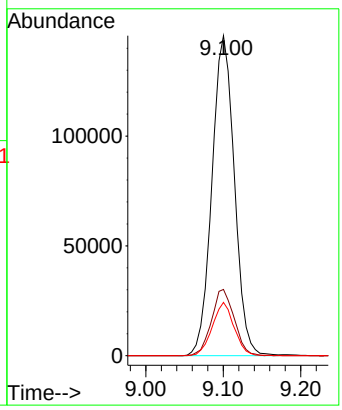


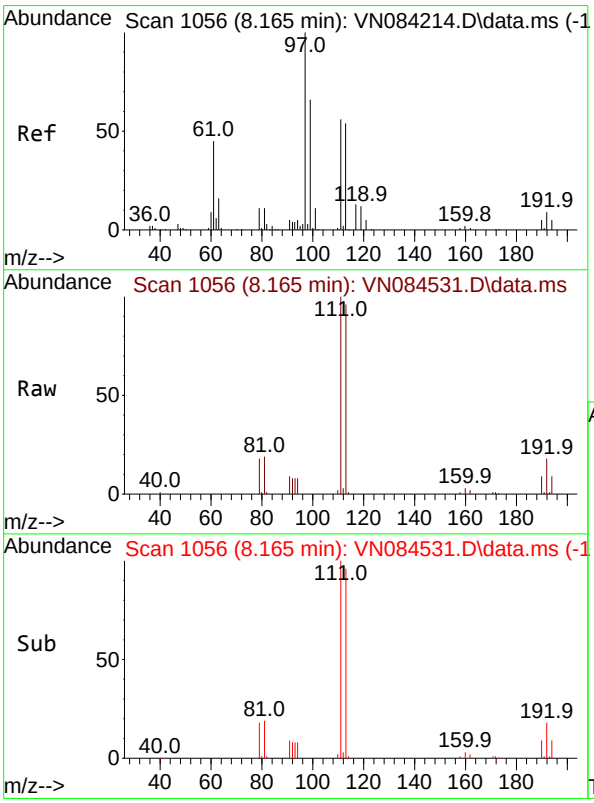
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:114 Resp: 293503

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.8
88	16.7	0.0	31.6

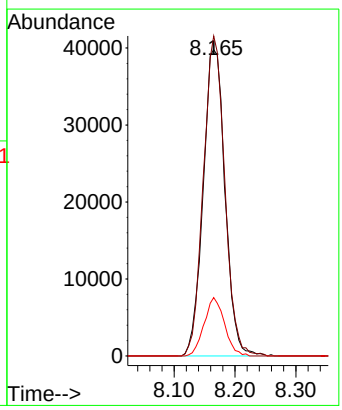


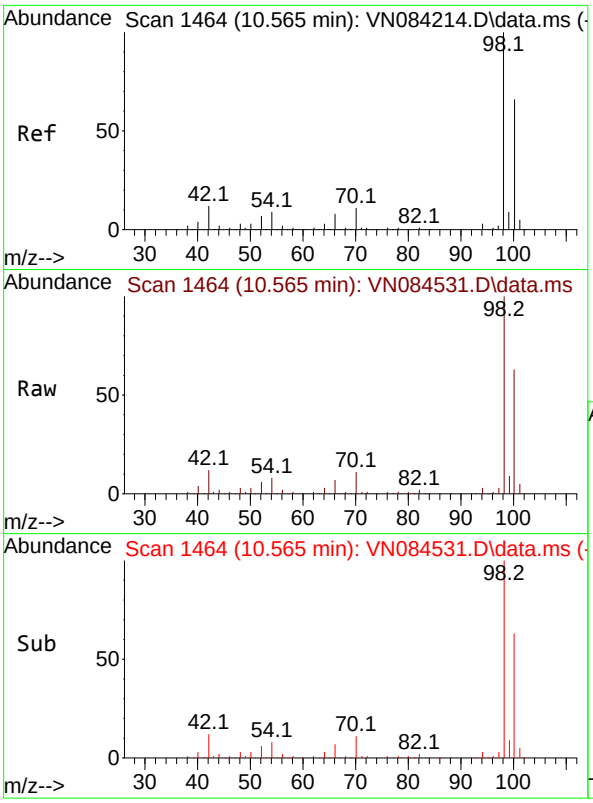


#35
Dibromofluoromethane
Concen: 51.439 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Tgt Ion:113 Resp: 99532

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	17.7	13.5	20.3



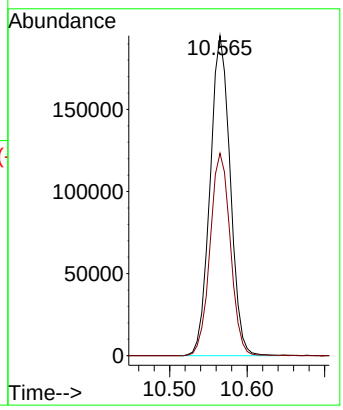


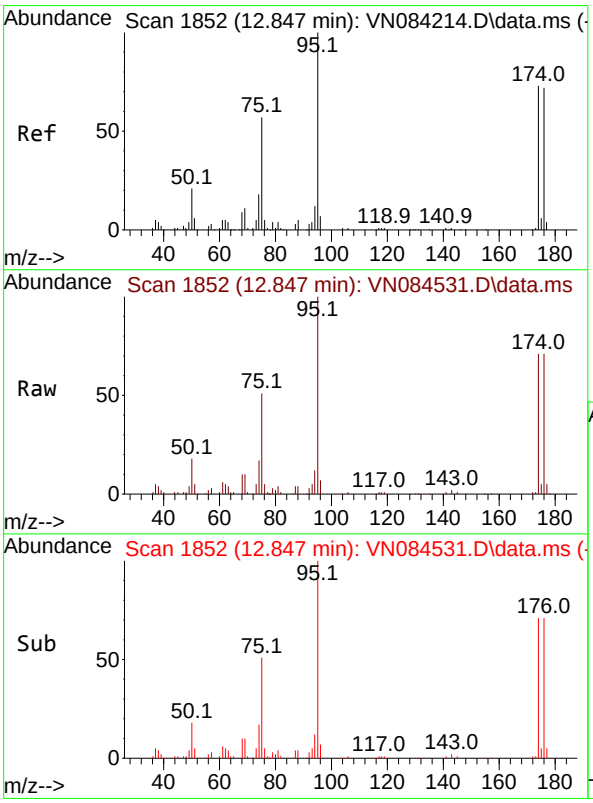
#50
Toluene-d8
Concen: 49.531 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion: 98 Resp: 352609

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.7	79.1

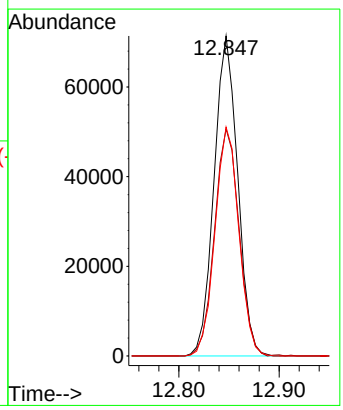


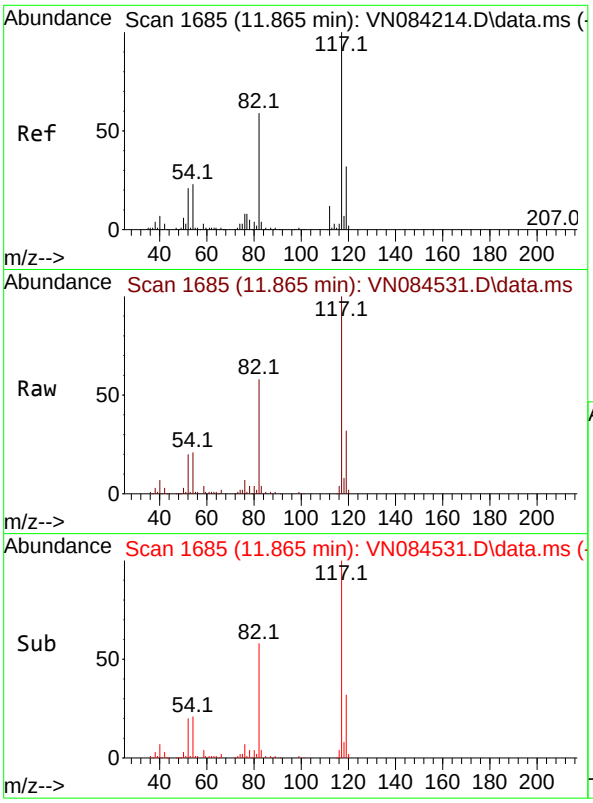


#62
4-Bromofluorobenzene
Concen: 44.880 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Tgt Ion: 95 Resp: 116395

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	72.3	0.0	140.0



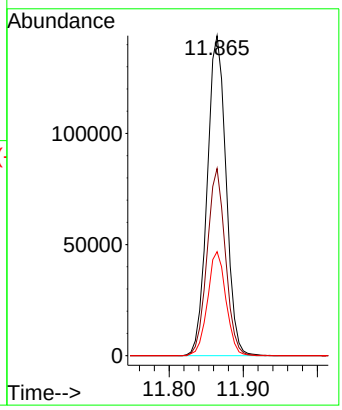


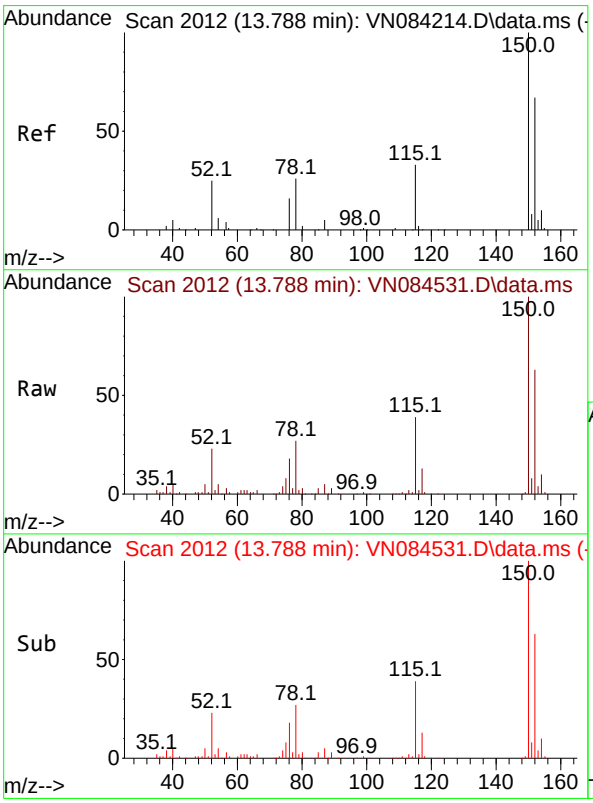
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:117 Resp: 253666

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.2	70.8
119	32.5	25.4	38.0

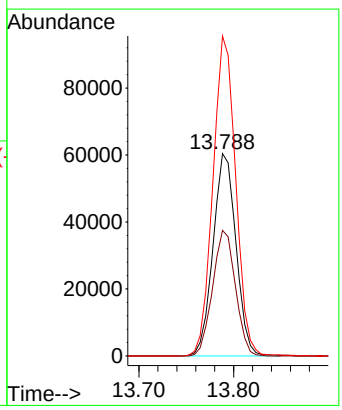




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084531.D
Acq: 28 Oct 2024 11:42

Tgt Ion:152 Resp: 101609

Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.3	93.9
150	156.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084531.D
Acq On : 28 Oct 2024 11:42
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084531.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	919	930	938	rBV2	4101	11235	1.21%	0.235%
2	8.165	1047	1056	1060	rBV	133071	311452	33.57%	6.513%
3	8.224	1060	1066	1078	rVB	237433	531172	57.25%	11.107%
4	8.577	1116	1126	1136	rBV2	144162	331837	35.77%	6.939%
5	9.100	1205	1215	1226	rBV	346351	695773	74.99%	14.549%
6	10.565	1456	1464	1476	rBV	510719	927766	100.00%	19.400%
7	11.865	1675	1685	1696	rBV	447811	782698	84.36%	16.367%
8	12.847	1845	1852	1862	rBV	339570	562477	60.63%	11.762%
9	13.788	2005	2012	2026	rBV	379283	627907	67.68%	13.130%

Sum of corrected areas: 4782317

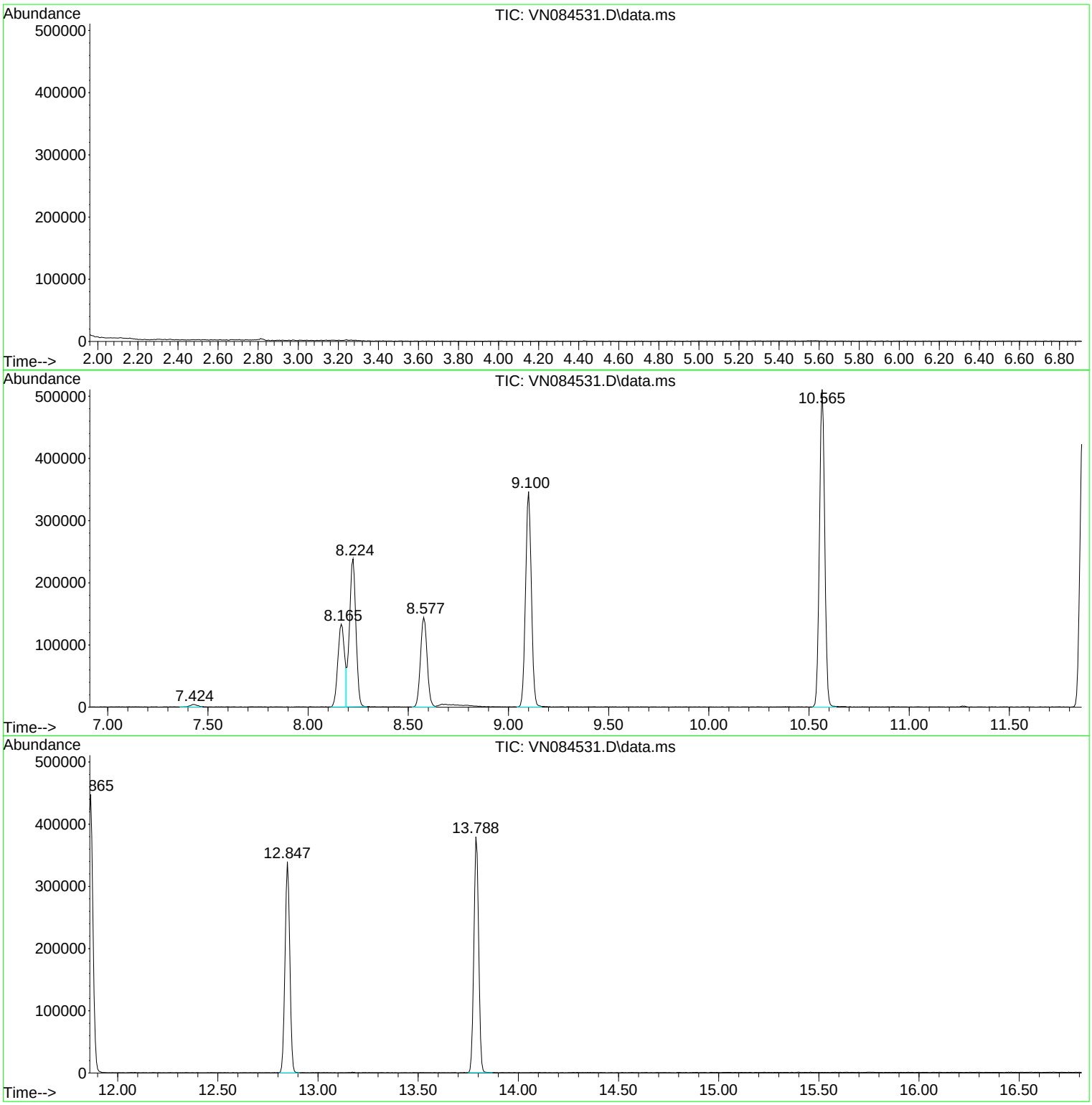
Sample Results: **VN084531.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084531.D
Acq On : 28 Oct 2024 11:42
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084531.D
Acq On : 28 Oct 2024 11:42
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084531.D
Acq On : 28 Oct 2024 11:42
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

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

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:	VN1025WBS02	SDG No.:	P4550
Lab Sample ID:	VN1025WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084509.D	1		10/25/24 12:27	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.2		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	16.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	15.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	94.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.3		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	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:	VN1025WBS02	SDG No.:	P4550
Lab Sample ID:	VN1025WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084509.D	1		10/25/24 12:27	VN102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.1		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.9		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.8		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	8.224				
540-36-3	1,4-Difluorobenzene	294000	9.1				
3114-55-4	Chlorobenzene-d5	260000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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) Pentafluorobenzene	8.224	168	171552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121357	47.711	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.420%			
35) Dibromofluoromethane	8.165	113	98440	50.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	10.565	98	354456	49.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.847	95	133424	51.360	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	27726	13.663	ug/l	97
3) Chloromethane	2.359	50	35222	15.202	ug/l	96
4) Vinyl Chloride	2.512	62	36312	16.179	ug/l	98
5) Bromomethane	2.953	94	24035	16.236	ug/l	100
6) Chloroethane	3.118	64	24742	15.393	ug/l	90
7) Trichlorofluoromethane	3.495	101	63142	18.067	ug/l	98
8) Diethyl Ether	3.959	74	23319	17.991	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	36127	18.041	ug/l	99
10) Methyl Iodide	4.589	142	43700	16.945	ug/l	96
11) Tert butyl alcohol	5.530	59	41408	98.728	ug/l #	73
12) 1,1-Dichloroethene	4.342	96	35205	18.226	ug/l	98
13) Acrolein	4.183	56	50668	105.230	ug/l	100
14) Allyl chloride	5.024	41	55306	16.487	ug/l	96
15) Acrylonitrile	5.718	53	105726	99.822	ug/l	99
16) Acetone	4.424	43	103041	94.302	ug/l	96
17) Carbon Disulfide	4.706	76	90239	14.756	ug/l	100
18) Methyl Acetate	5.024	43	49195	20.657	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	125176	19.201	ug/l	100
20) Methylene Chloride	5.271	84	40654	18.303	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	36842	18.206	ug/l	99
22) Diisopropyl ether	6.677	45	133205	19.197	ug/l	99
23) Vinyl Acetate	6.600	43	498831	96.927	ug/l	99
24) 1,1-Dichloroethane	6.565	63	74694	19.249	ug/l	98
25) 2-Butanone	7.483	43	150891	101.389	ug/l	97
26) 2,2-Dichloropropane	7.494	77	65133	18.616	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	46425	18.985	ug/l	99
28) Bromochloromethane	7.812	49	36398	21.023	ug/l	98
29) Tetrahydrofuran	7.841	42	94143	102.506	ug/l	96
30) Chloroform	7.965	83	78597	19.500	ug/l	95
31) Cyclohexane	8.259	56	61664	16.367	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69215	19.120	ug/l	96
36) 1,1-Dichloropropene	8.371	75	52866	18.778	ug/l	99
37) Ethyl Acetate	7.559	43	59834	20.716	ug/l	100
38) Carbon Tetrachloride	8.359	117	58702	19.008	ug/l	99
39) Methylcyclohexane	9.600	83	53070	16.937	ug/l	92
40) Benzene	8.606	78	168355	19.193	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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)
41) Methacrylonitrile	7.783	41	31128	19.852	ug/l		97
42) 1,2-Dichloroethane	8.671	62	58130	19.548	ug/l		100
43) Isopropyl Acetate	8.688	43	104055	18.393	ug/l		98
44) Trichloroethene	9.347	130	40633	19.834	ug/l		96
45) 1,2-Dichloropropane	9.624	63	41836	20.162	ug/l		98
46) Dibromomethane	9.706	93	29427	21.015	ug/l		99
47) Bromodichloromethane	9.888	83	62197	19.993	ug/l	#	96
48) Methyl methacrylate	9.677	41	43499	19.316	ug/l		97
49) 1,4-Dioxane	9.694	88	18121	437.079	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.441	43	303407	110.350	ug/l		100
52) Toluene	10.629	92	104966	19.624	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	60652	19.126	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	66296	19.436	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	41159	21.465	ug/l		97
56) Ethyl methacrylate	10.871	69	65671	20.814	ug/l		97
57) 1,3-Dichloropropane	11.165	76	69577	20.306	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	152054	103.886	ug/l		98
59) 2-Hexanone	11.194	43	224074	109.038	ug/l		100
60) Dibromochloromethane	11.359	129	47794	21.095	ug/l		99
61) 1,2-Dibromoethane	11.465	107	40071	20.111	ug/l		97
64) Tetrachloroethene	11.100	164	34033	18.815	ug/l		95
65) Chlorobenzene	11.888	112	112381	19.517	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	40507	20.424	ug/l		96
67) Ethyl Benzene	11.965	91	191570	18.813	ug/l		98
68) m/p-Xylenes	12.070	106	149303	39.637	ug/l		99
69) o-Xylene	12.400	106	70967	19.913	ug/l		98
70) Styrene	12.412	104	121840	20.184	ug/l		98
71) Bromoform	12.576	173	30450	20.854	ug/l	#	94
73) Isopropylbenzene	12.694	105	177747	17.846	ug/l		99
74) N-amyl acetate	12.494	43	83413	18.494	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	59930	20.011	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	51890m	19.474	ug/l		
77) Bromobenzene	12.982	156	44762	18.632	ug/l		99
78) n-propylbenzene	13.035	91	215810	18.702	ug/l		99
79) 2-Chlorotoluene	13.123	91	136297	18.510	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	153246	18.862	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	19959m	17.958	ug/l		
82) 4-Chlorotoluene	13.223	91	138768	18.721	ug/l		100
83) tert-Butylbenzene	13.435	119	128615	17.811	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	157700	19.268	ug/l		98
85) sec-Butylbenzene	13.617	105	178019	18.475	ug/l		99
86) p-Isopropyltoluene	13.729	119	149454	18.757	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	83237	18.469	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	83627	18.374	ug/l		98
89) n-Butylbenzene	14.059	91	121940	16.877	ug/l		100
90) Hexachloroethane	14.335	117	27574	17.049	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	81762	18.501	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11856	19.184	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	38758	17.806	ug/l		100
94) Hexachlorobutadiene	15.500	225	17672	16.280	ug/l		98
95) Naphthalene	15.641	128	123953	17.177	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	38435	17.640	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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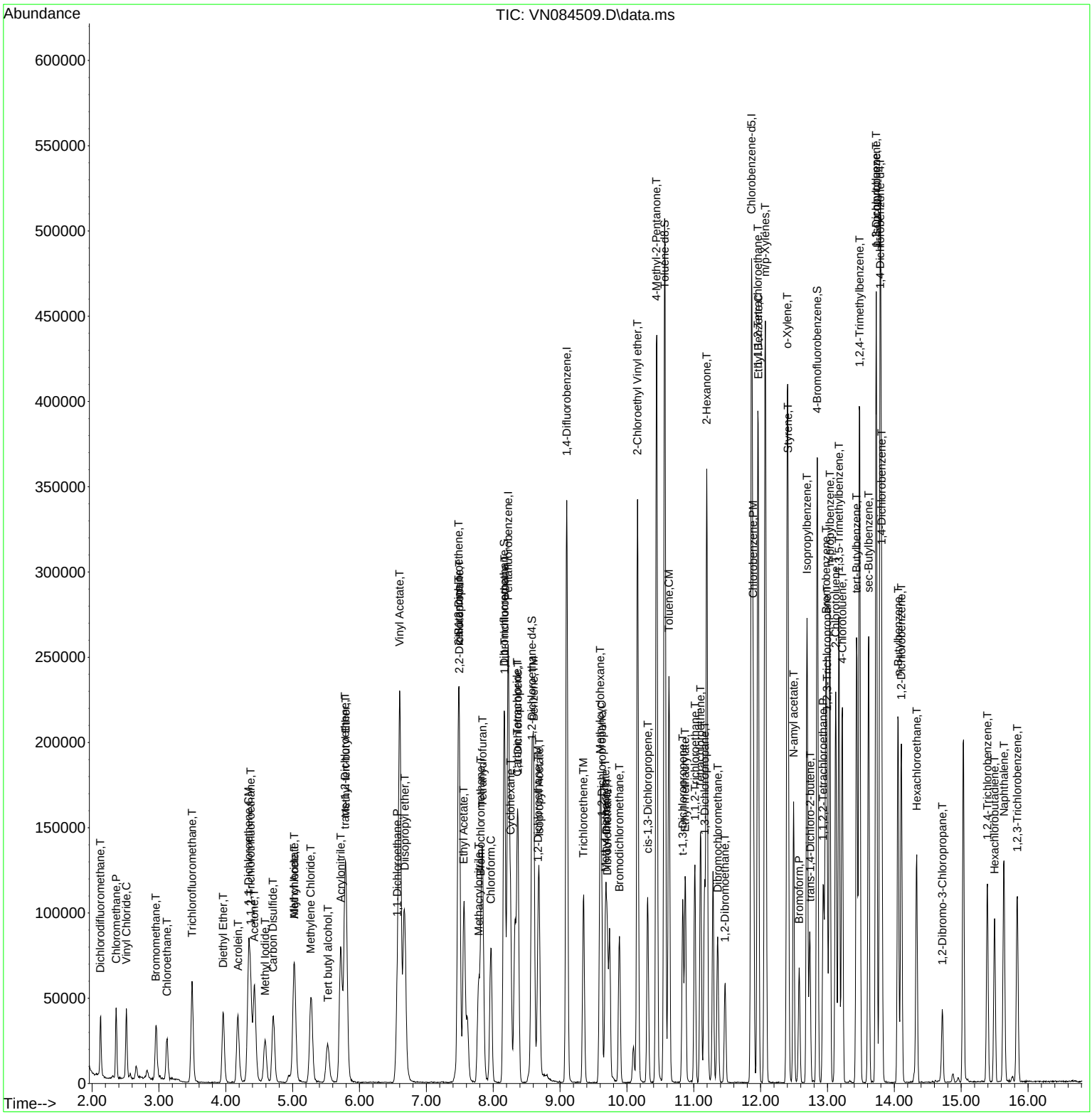
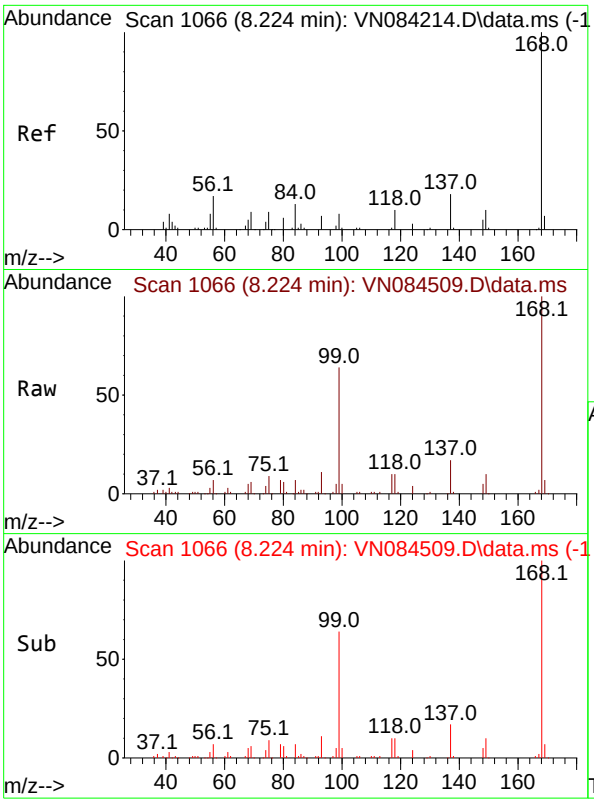
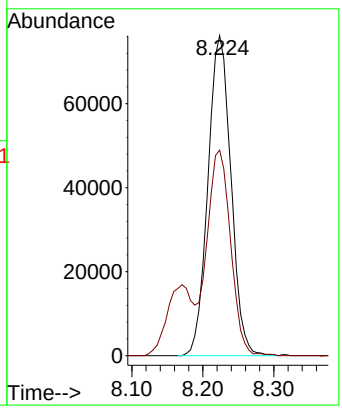




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:168 Resp: 17155

Ion	Ratio	Lower	Upper
168	100		
99	64.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

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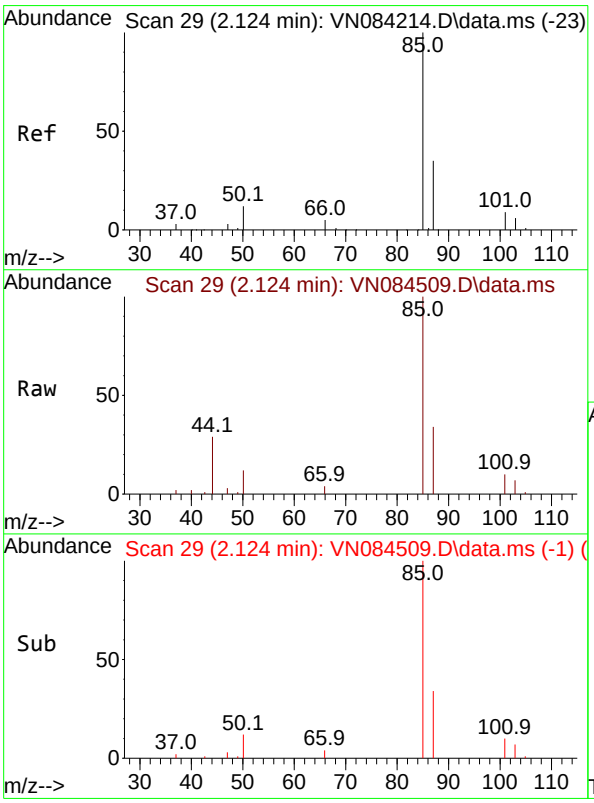
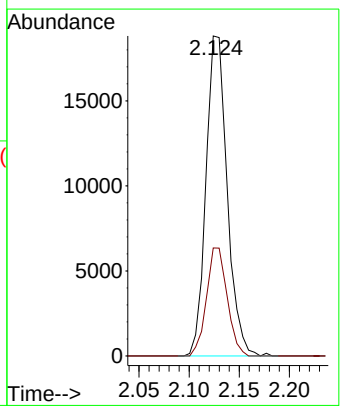
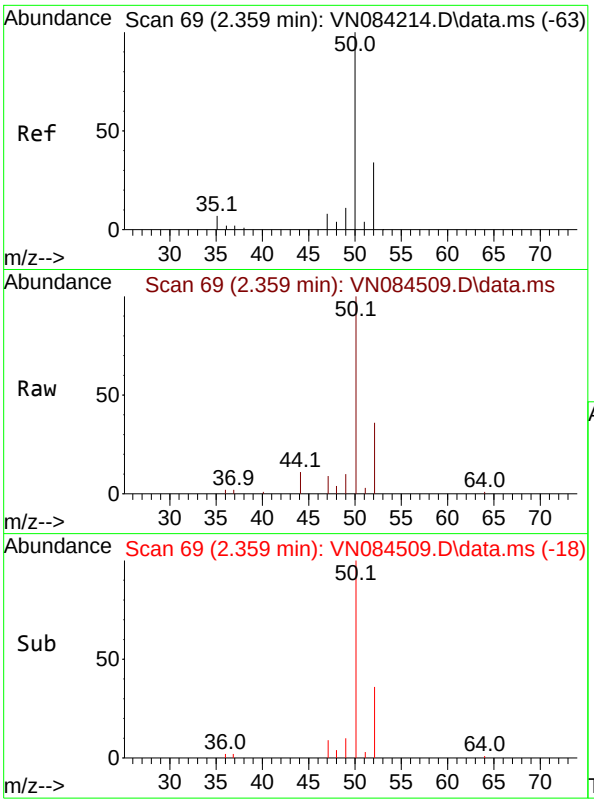


#2
Dichlorodifluoromethane
Concen: 13.663 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 85 Resp: 27726

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9

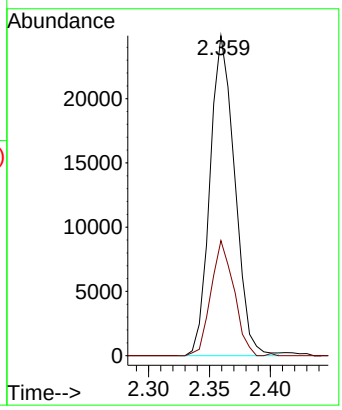




#3
Chloromethane
Concen: 15.202 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 50 Resp: 3522

Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
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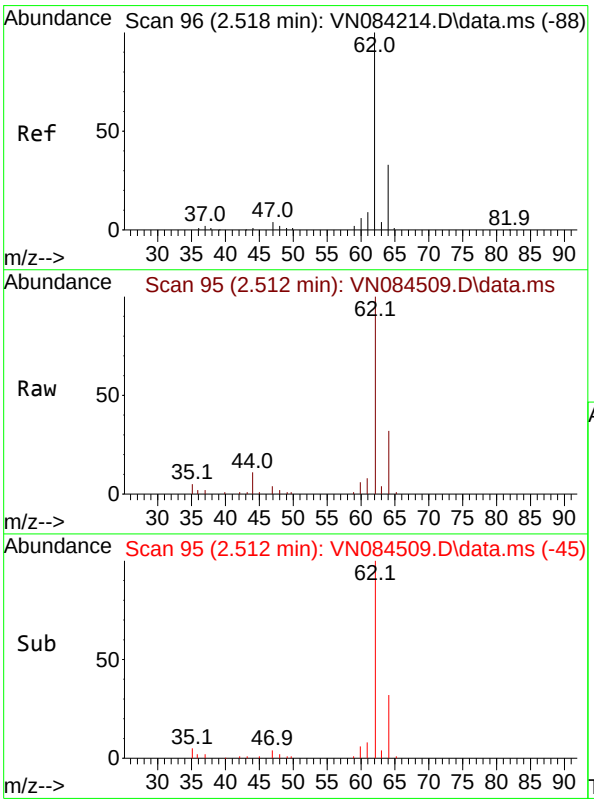
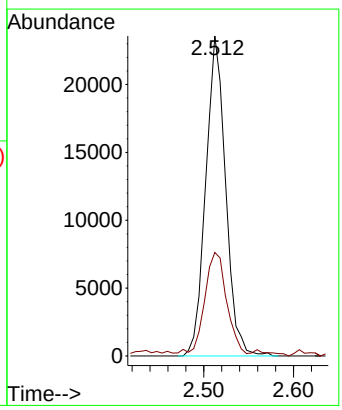
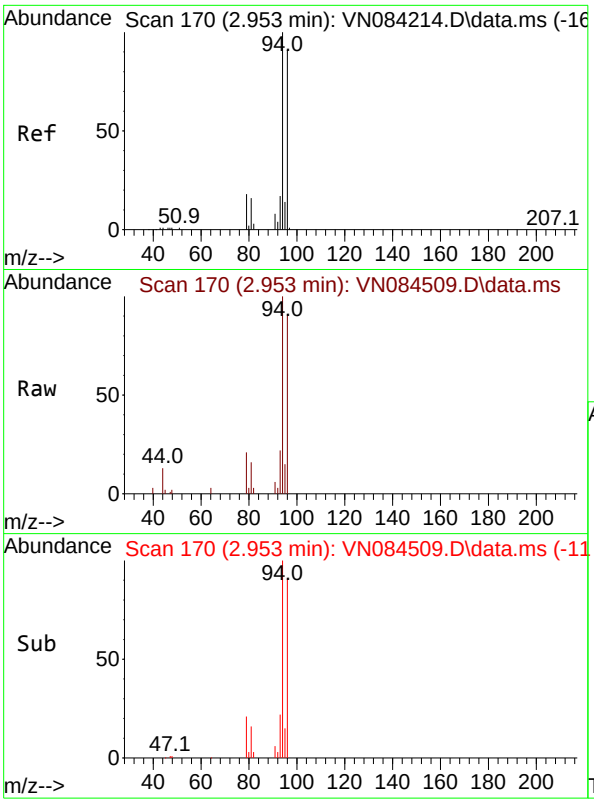


#4
Vinyl Chloride
Concen: 16.179 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 62 Resp: 36312

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.2	39.4

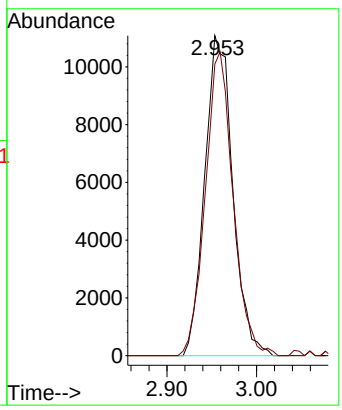




#5
Bromomethane
Concen: 16.236 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 94 Resp: 2403

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

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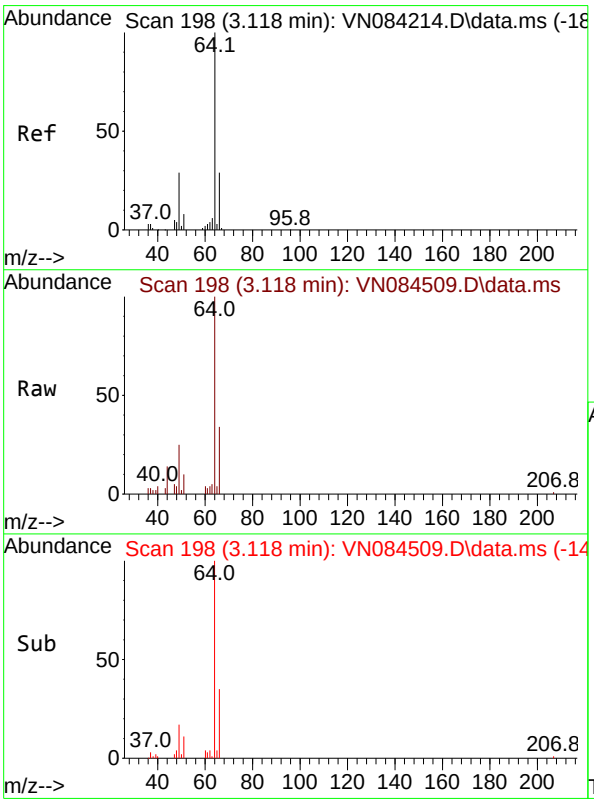
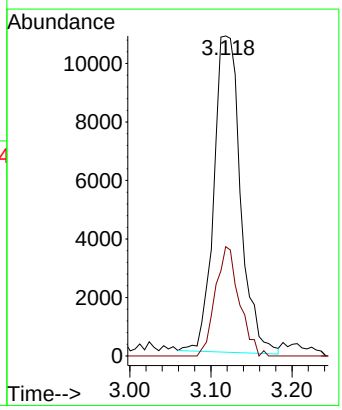
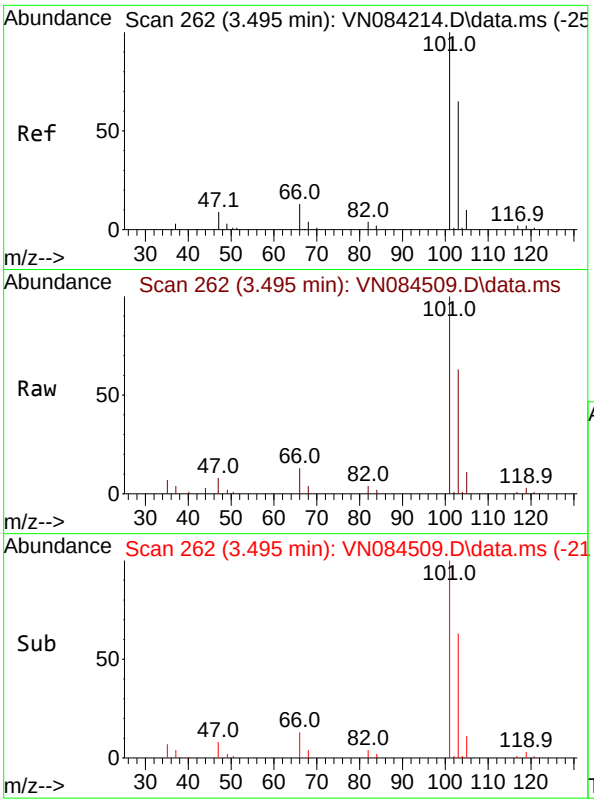


#6
Chloroethane
Concen: 15.393 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 64 Resp: 24742

Ion	Ratio	Lower	Upper
64	100		
66	34.8	23.5	35.3





#7
Trichlorofluoromethane
Concen: 18.067 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:101 Resp: 6314

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

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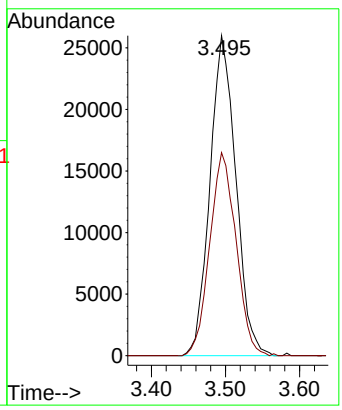
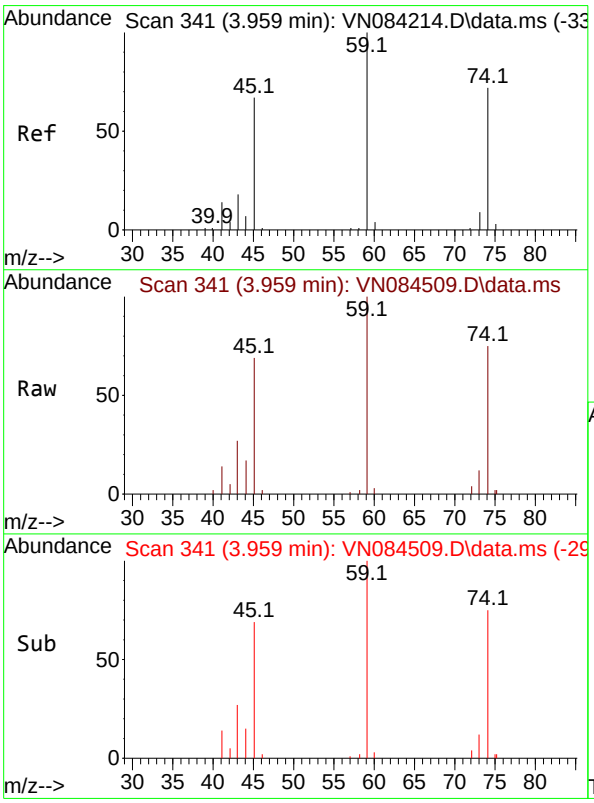
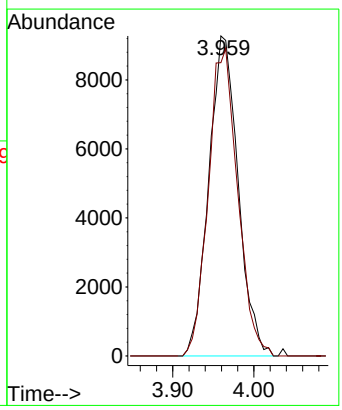


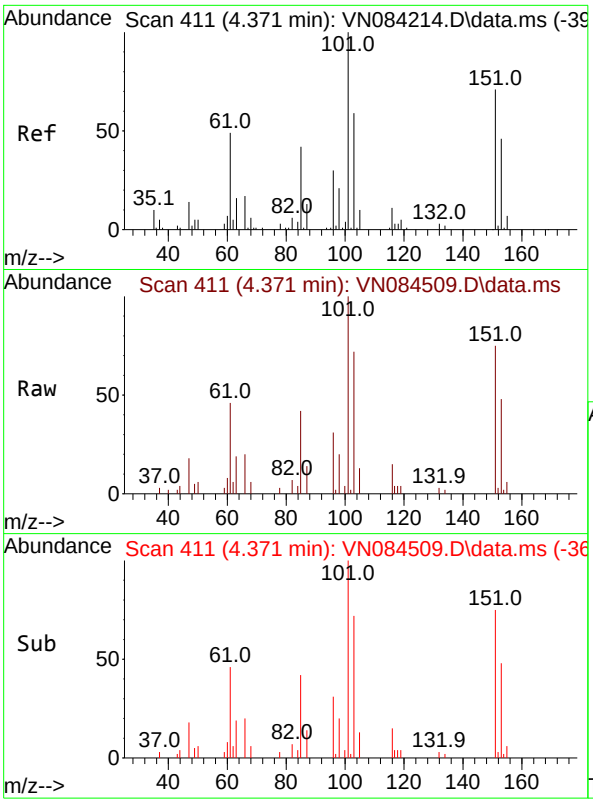


#8
Diethyl Ether
Concen: 17.991 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 74 Resp: 23319

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.7	143.1

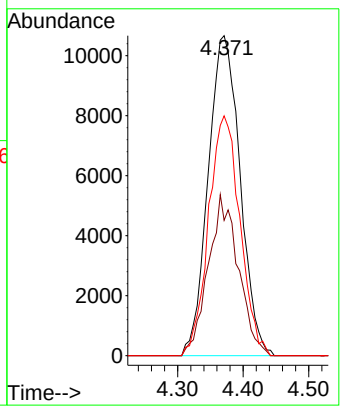




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.041 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:101 Resp: 3612

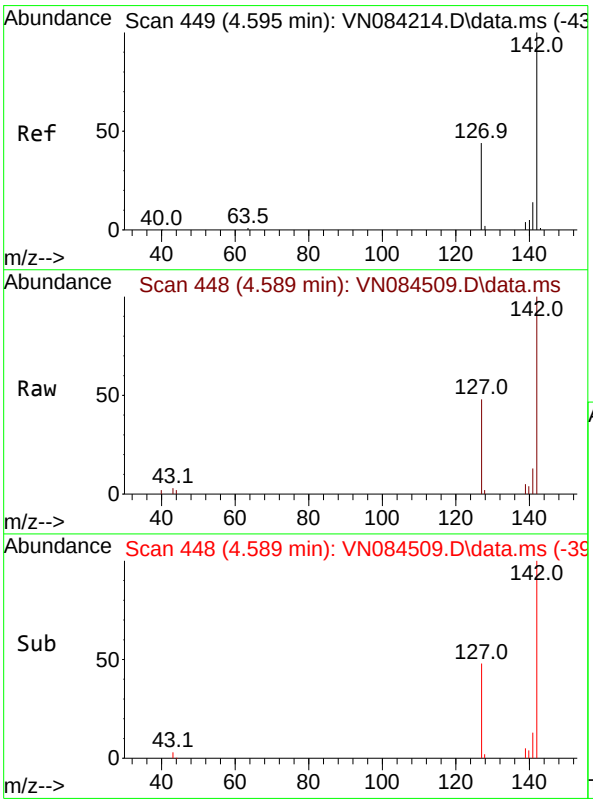
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	73.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

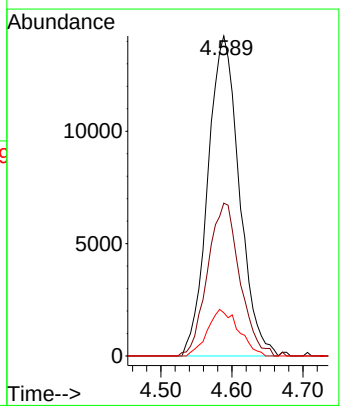
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

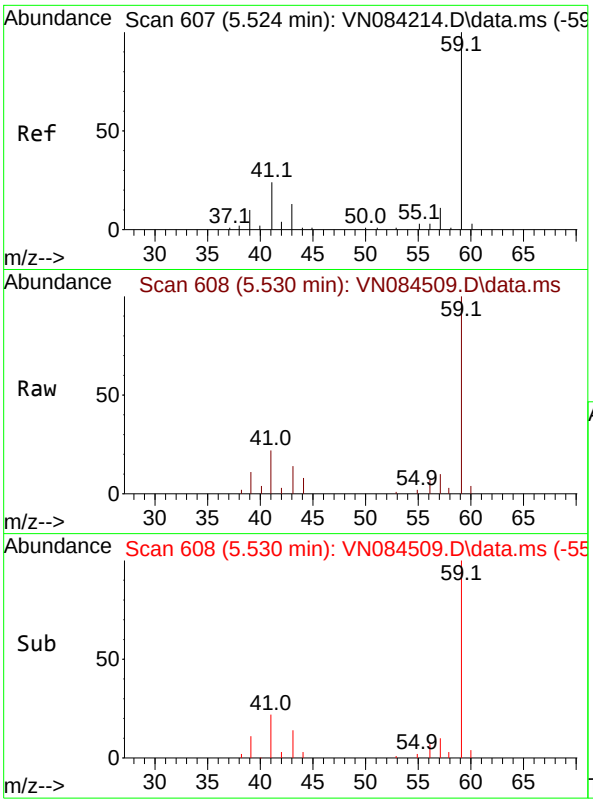


#10
Methyl Iodide
Concen: 16.945 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:142 Resp: 43700

Ion	Ratio	Lower	Upper
142	100		
127	47.8	35.3	52.9
141	13.5	11.0	16.6

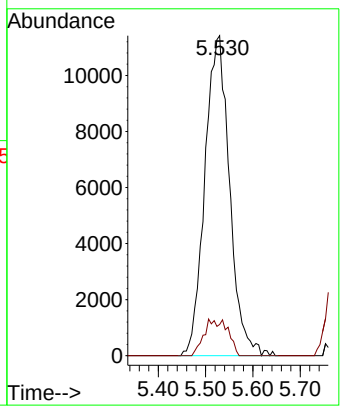




#11
Tert butyl alcohol
Concen: 98.728 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 59 Resp: 4140

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
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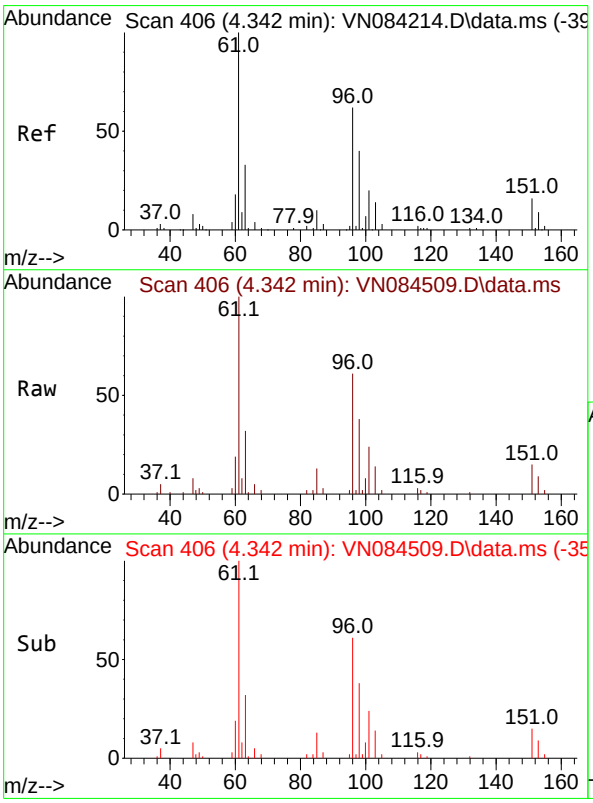
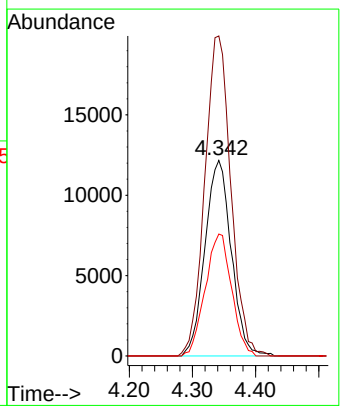
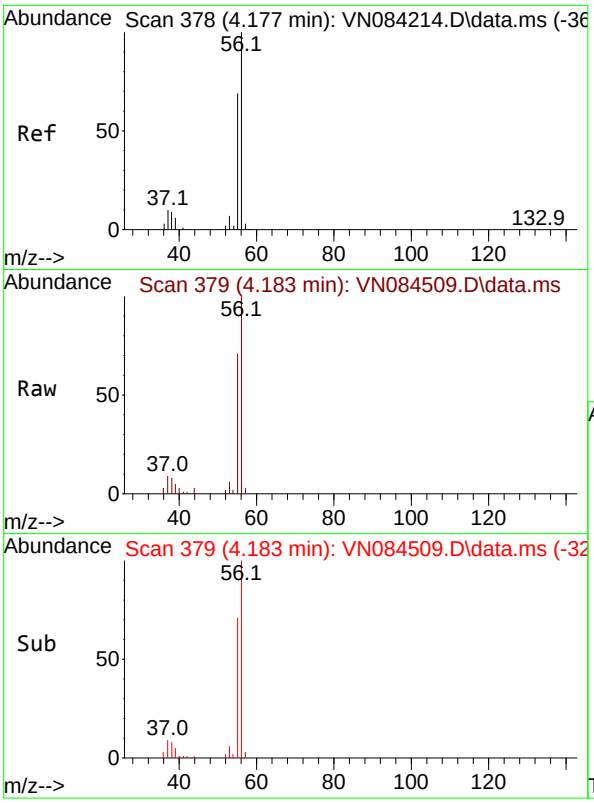


#12
1,1-Dichloroethene
Concen: 18.226 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 96 Resp: 35205

Ion	Ratio	Lower	Upper
96	100		
61	163.6	128.6	192.8
98	62.3	51.7	77.5

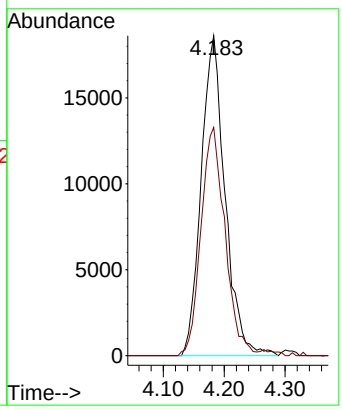




#13
Acrolein
Concen: 105.230 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 56 Resp: 5066

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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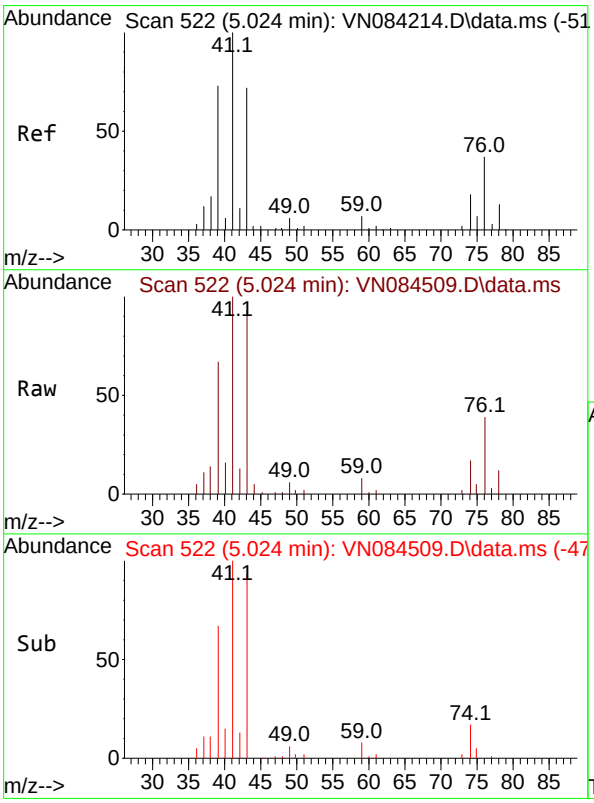
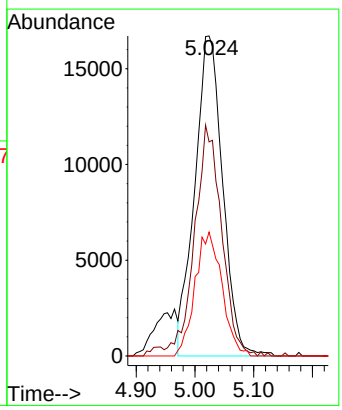
Supervised By :Mahesh Dadoda 10/28/2024

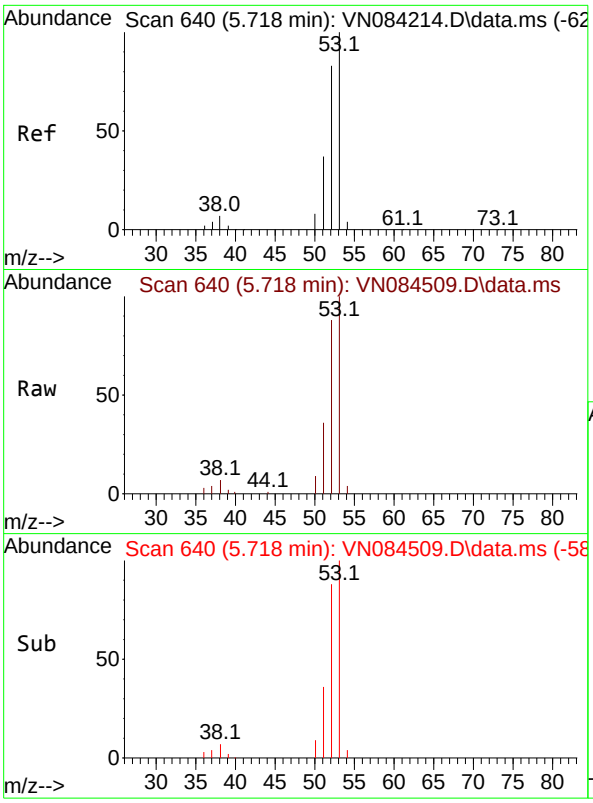


#14
Allyl chloride
Concen: 16.487 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 41 Resp: 55306

Ion	Ratio	Lower	Upper
41	100		
39	69.3	59.0	88.6
76	37.2	29.8	44.6





#15
Acrylonitrile
Concen: 99.822 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 53 Resp: 10572

Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.2	99.4
51	36.3	28.8	43.2

Instrument :
MSVOA_N
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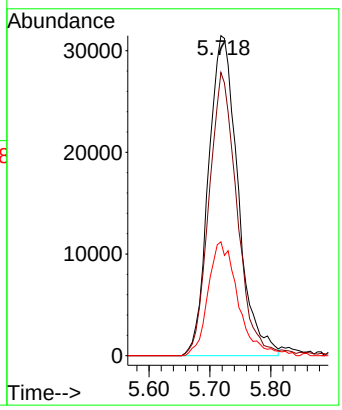
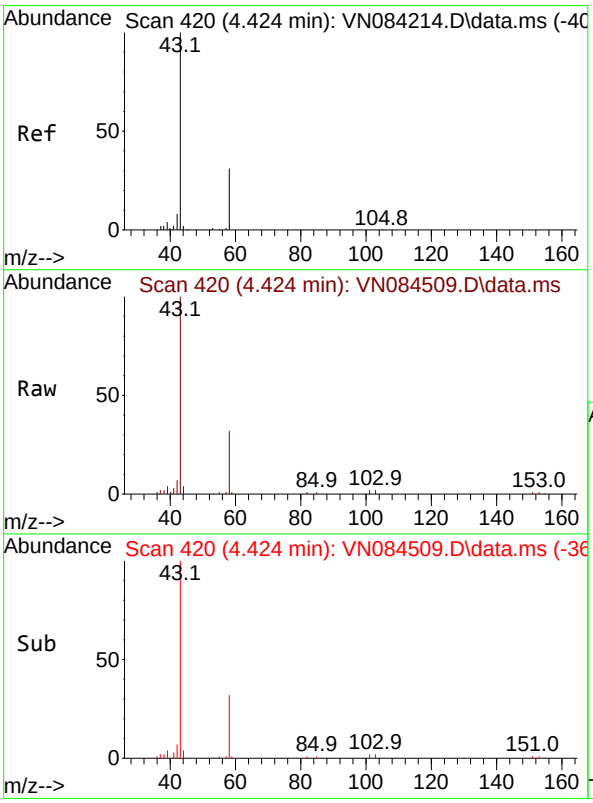
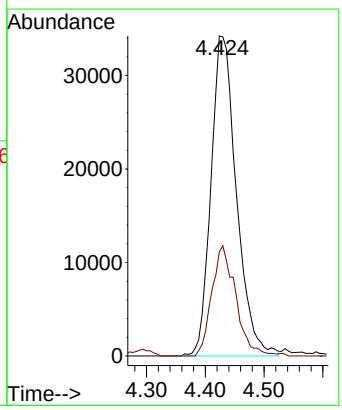


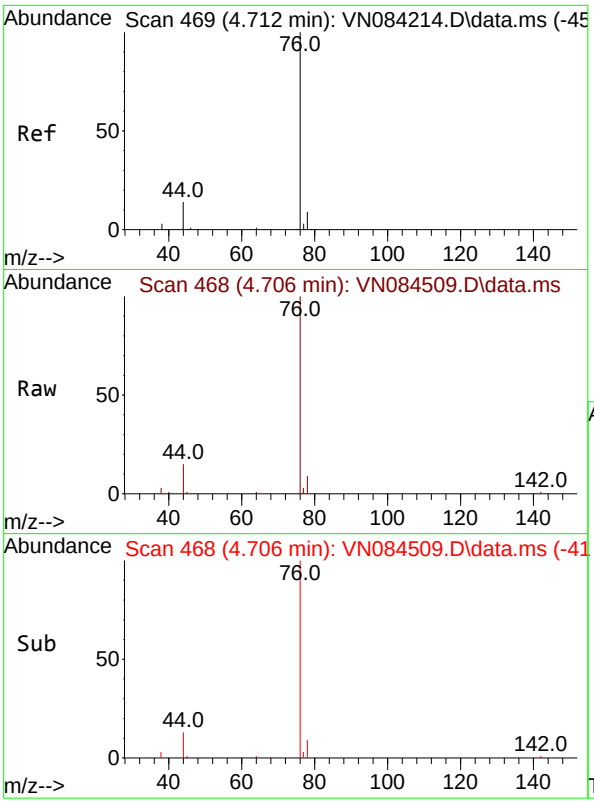


#16
Acetone
Concen: 94.302 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 103041

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.4	36.6

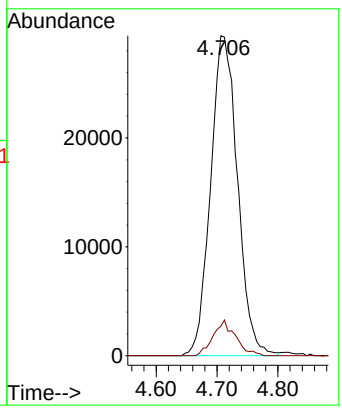




#17
Carbon Disulfide
Concen: 14.756 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 76 Resp: 9023

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
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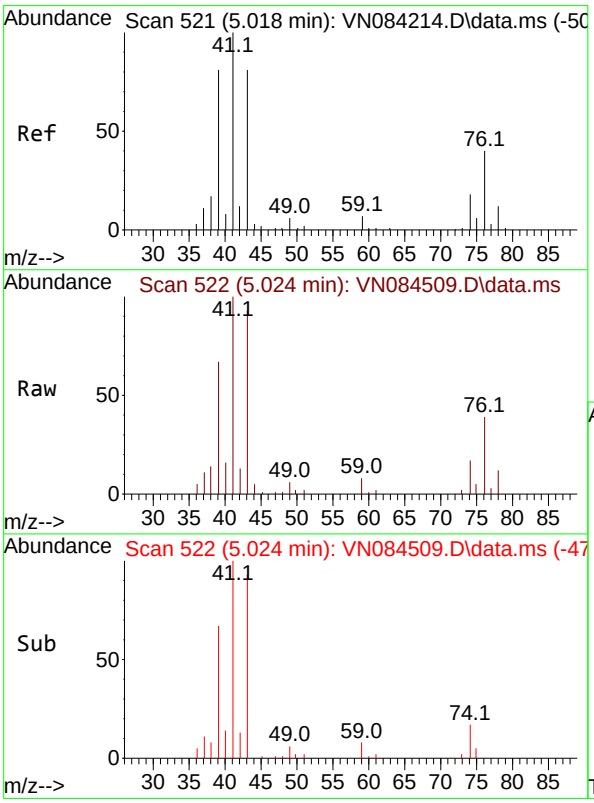
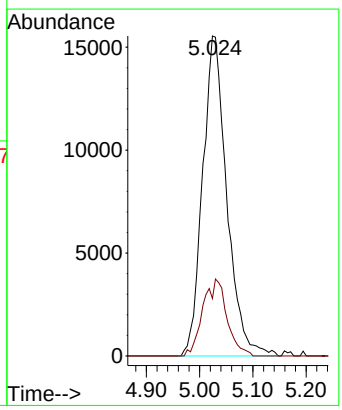
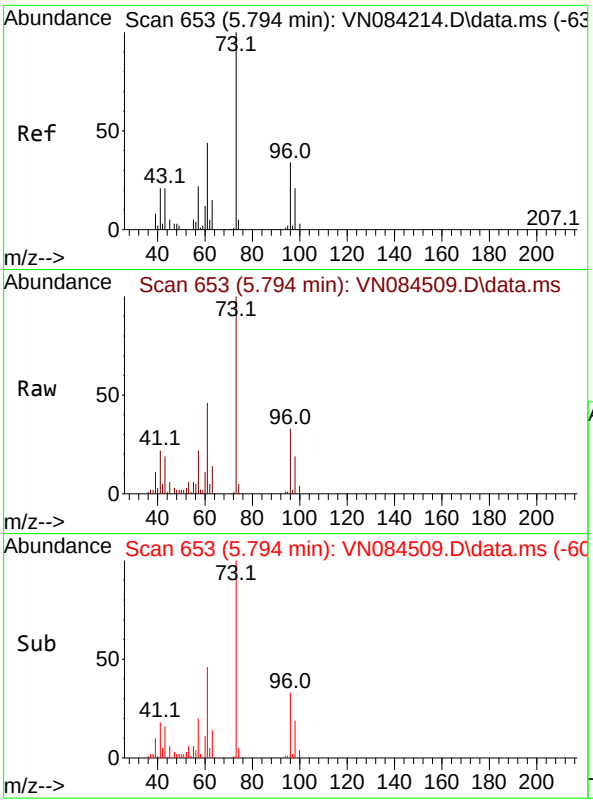


#18
Methyl Acetate
Concen: 20.657 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 49195

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





#19
Methyl tert-butyl Ether
Concen: 19.201 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 73 Resp: 12517

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.7	26.5

Instrument :
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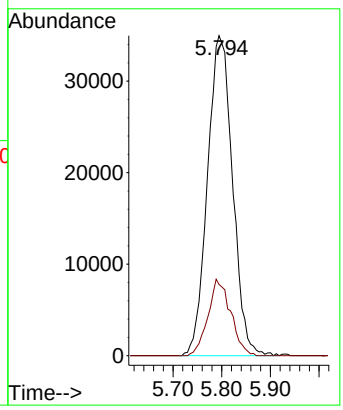
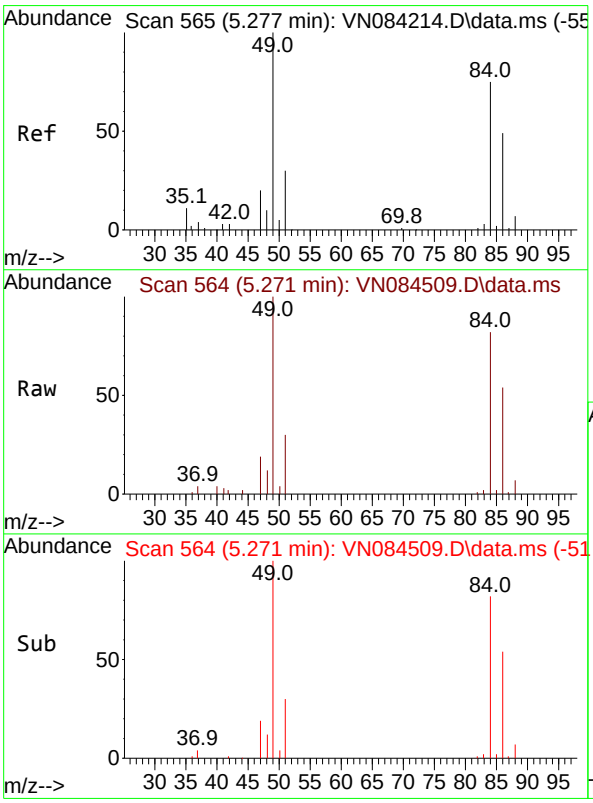
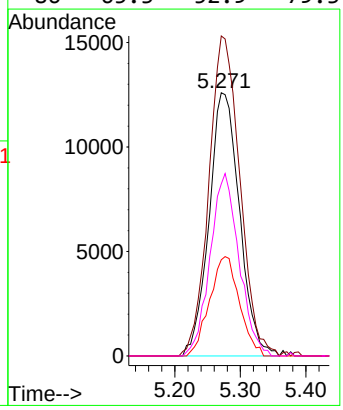


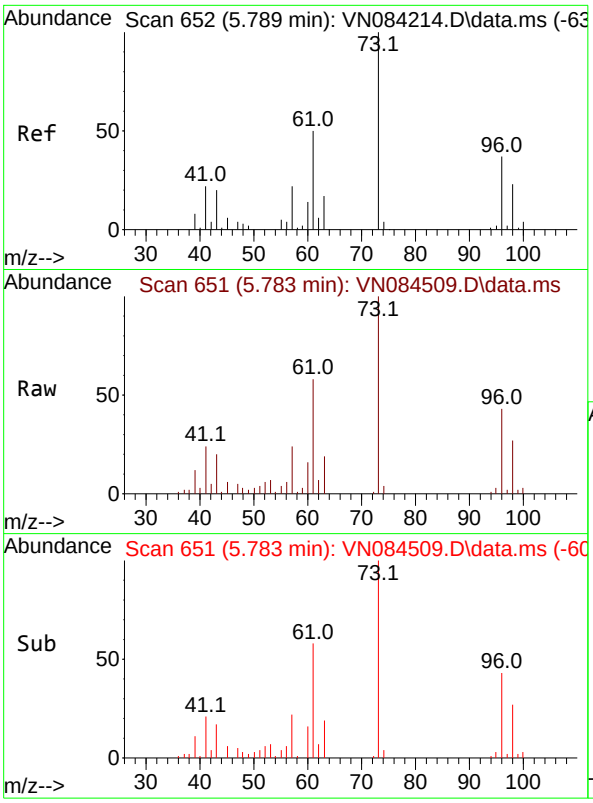


#20
Methylene Chloride
Concen: 18.303 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 84 Resp: 40654

Ion	Ratio	Lower	Upper
84	100		
49	121.6	107.2	160.8
51	36.5	31.8	47.8
86	65.3	52.9	79.3

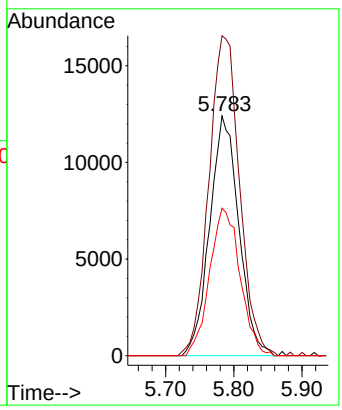




#21
trans-1,2-Dichloroethene
Concen: 18.206 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 96 Resp: 3684

Ion	Ratio	Lower	Upper
96	100		
61	133.5	108.4	162.6
98	61.5	49.8	74.8



Instrument :
MSVOA_N
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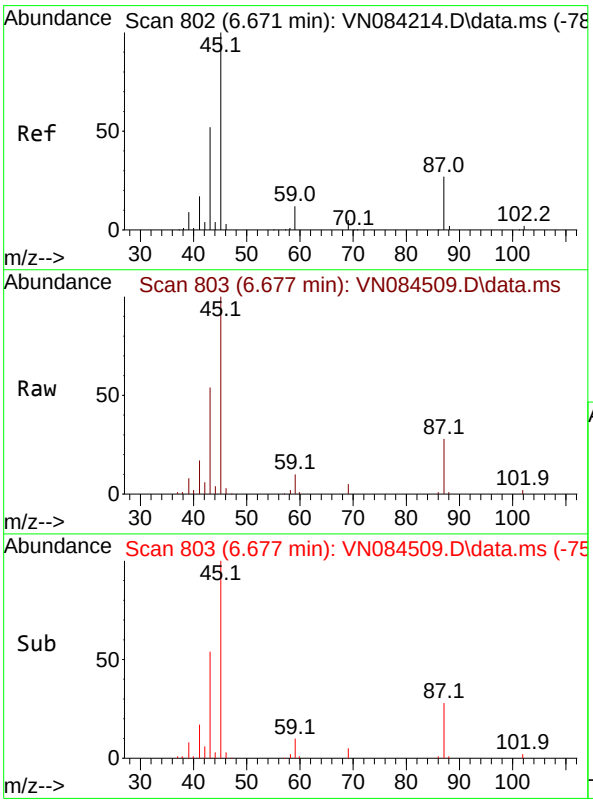
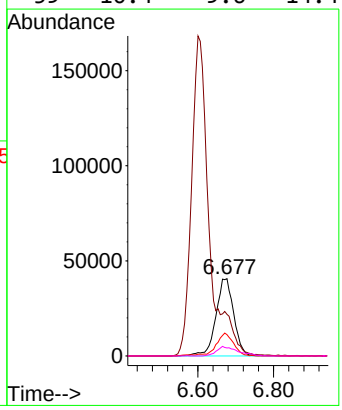
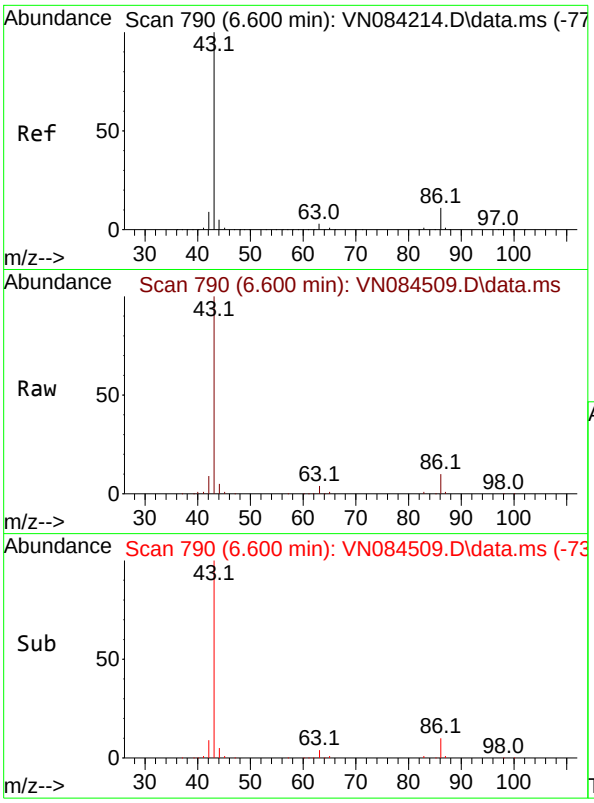


#22
Diisopropyl ether
Concen: 19.197 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 45 Resp: 133205

Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.3	63.5
87	27.6	21.8	32.6
59	10.4	9.6	14.4

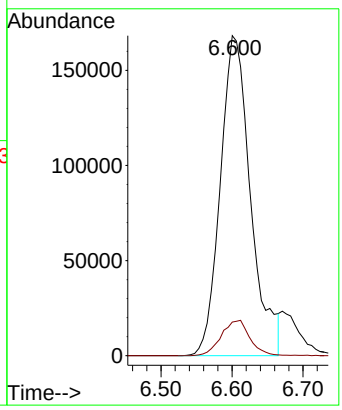




#23
Vinyl Acetate
Concen: 96.927 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 49883

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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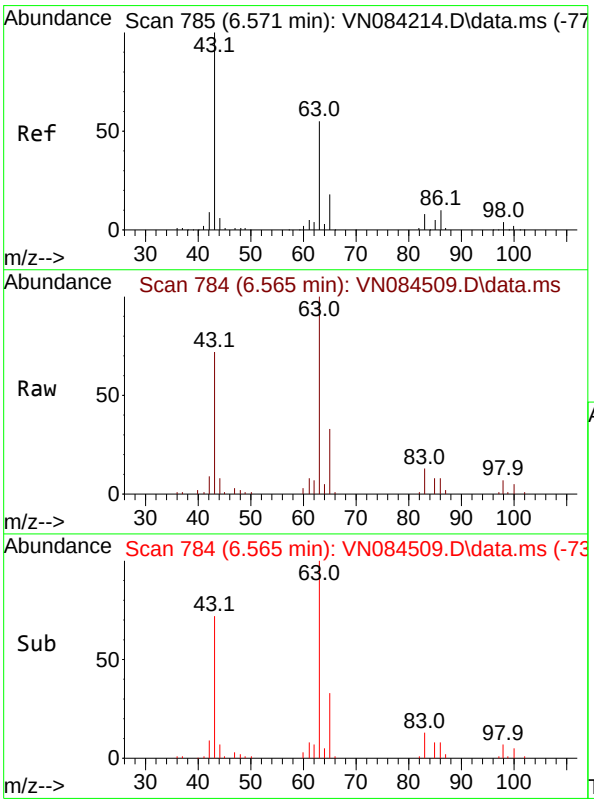
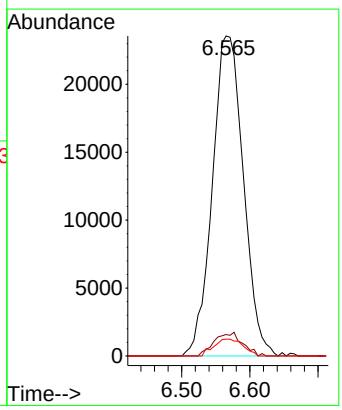
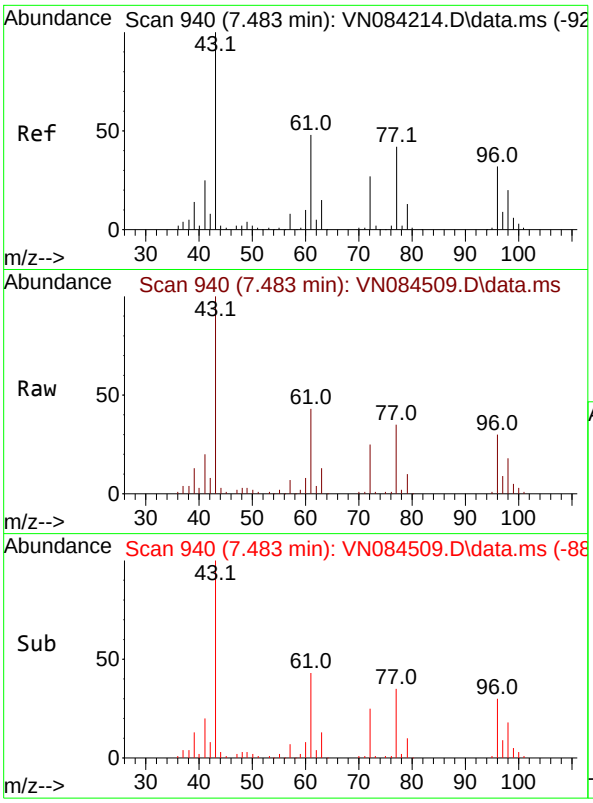


#24
1,1-Dichloroethane
Concen: 19.249 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 63 Resp: 74694

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	5.3	2.0	5.8

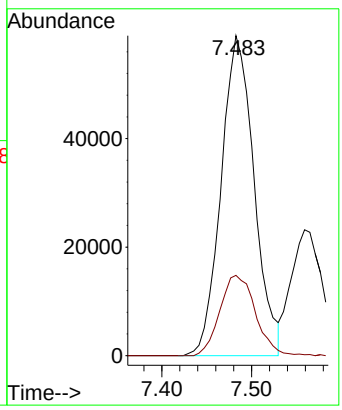




#25
2-Butanone
Concen: 101.389 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 15089

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2



Instrument :
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ClientSampleId :
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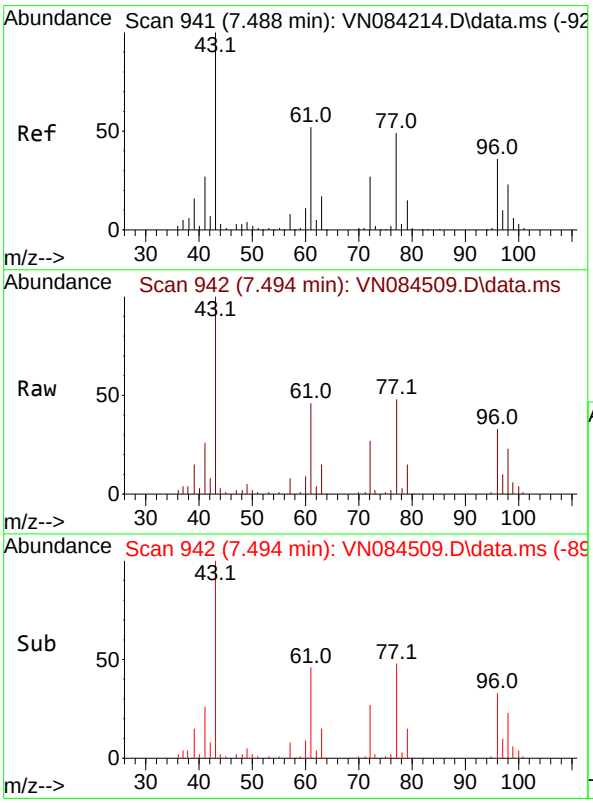
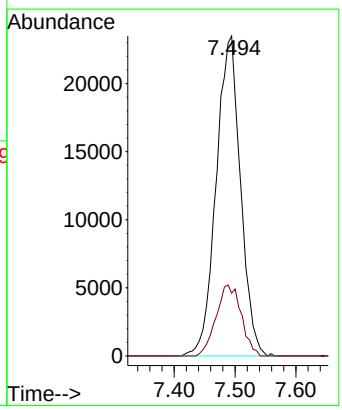
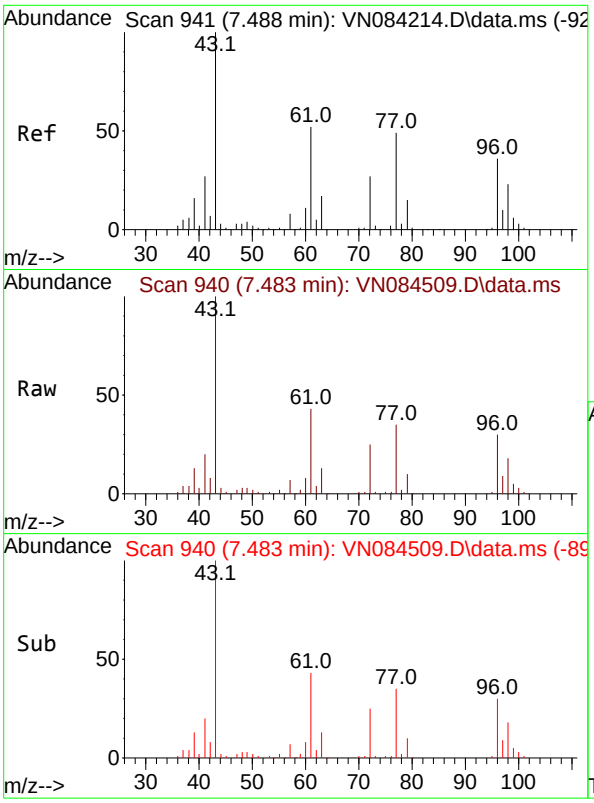


#26
2,2-Dichloropropane
Concen: 18.616 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 77 Resp: 65133

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 18.985 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 96 Resp: 4642

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	301.8
98	62.4	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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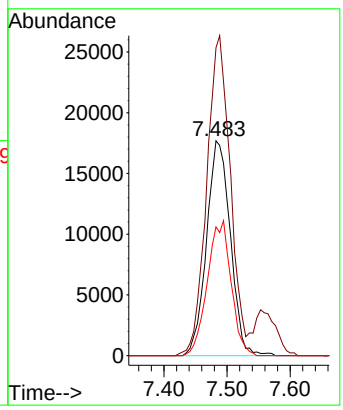
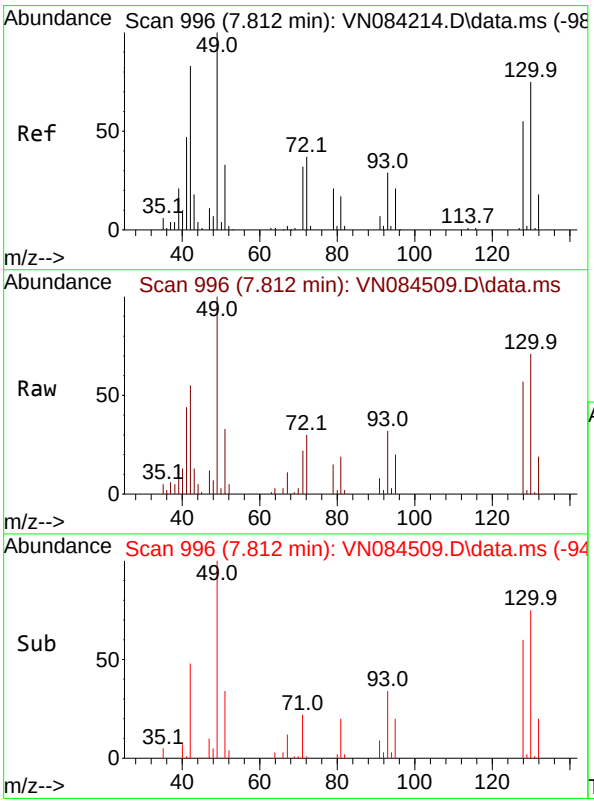
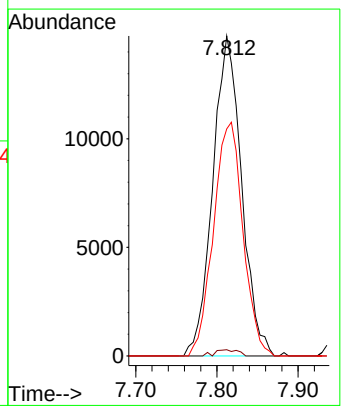


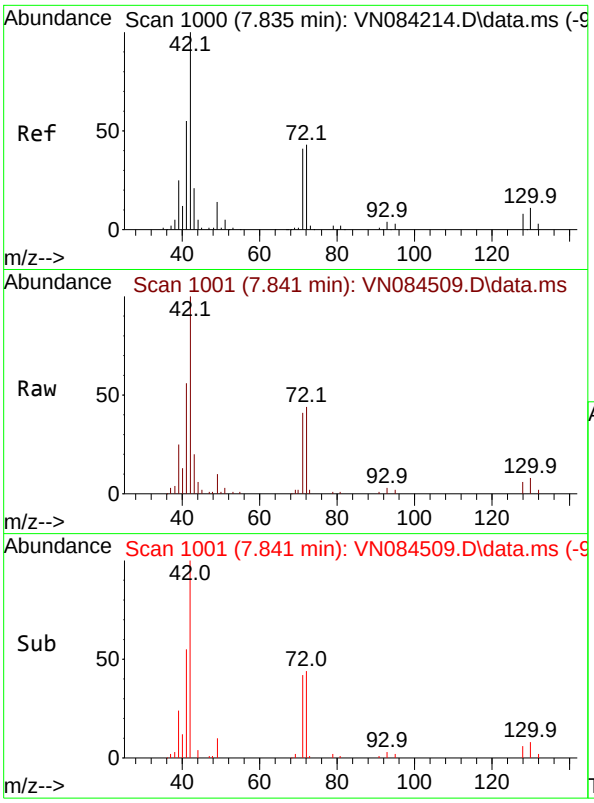


#28
Bromochloromethane
Concen: 21.023 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 49 Resp: 36398

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	74.6	58.0	87.0

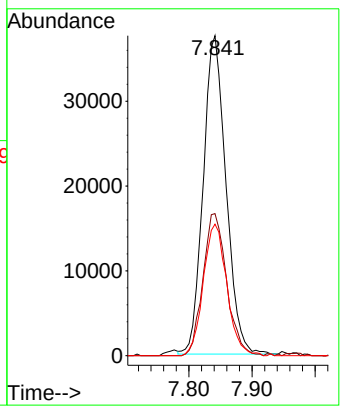




#29
Tetrahydrofuran
Concen: 102.506 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 42 Resp: 9414

Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.6	51.8
71	42.6	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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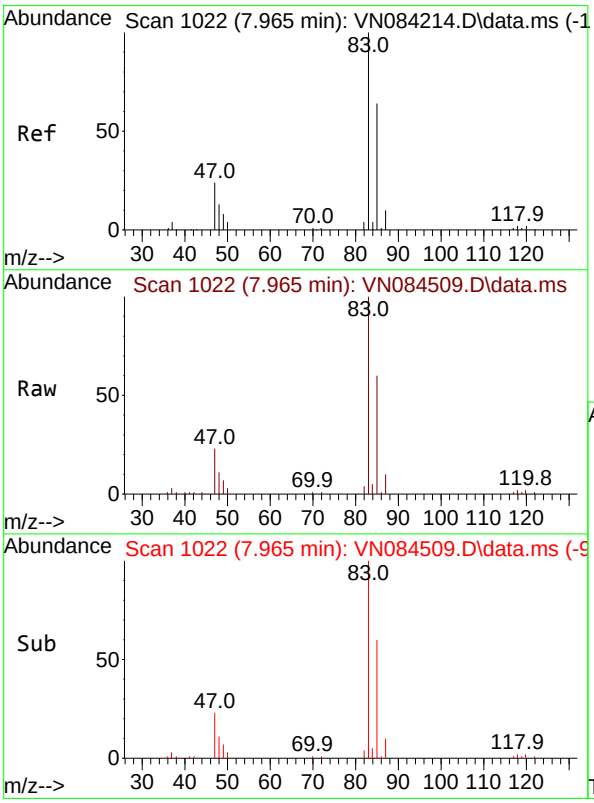
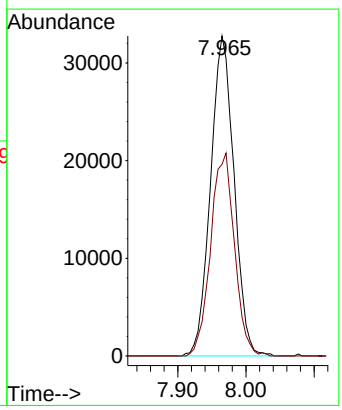
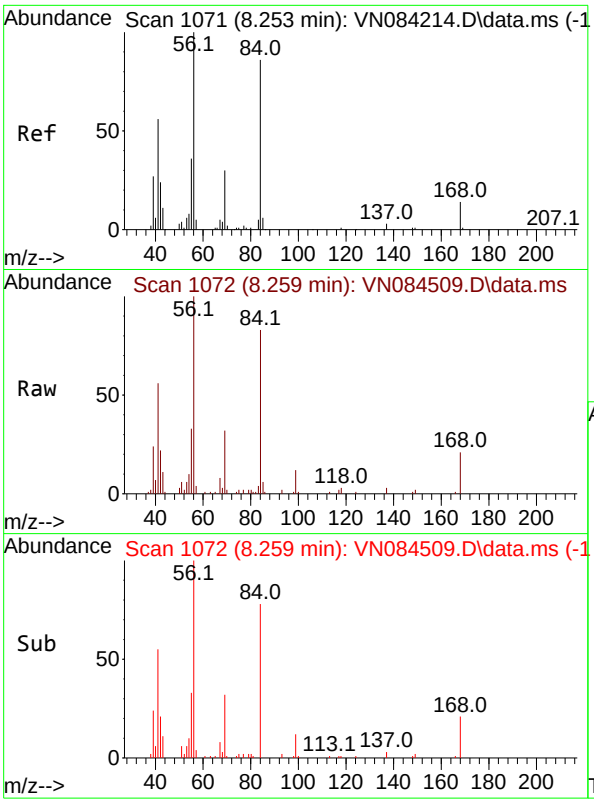


#30
Chloroform
Concen: 19.500 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 83 Resp: 78597

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.0	76.4

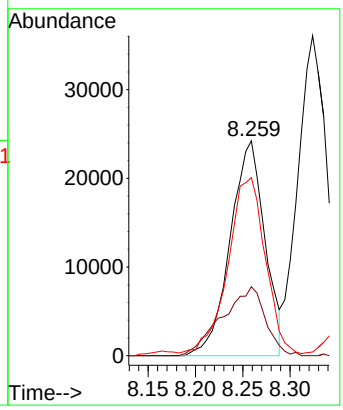




#31
Cyclohexane
Concen: 16.367 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 56 Resp: 6166

Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.8	35.6
84	81.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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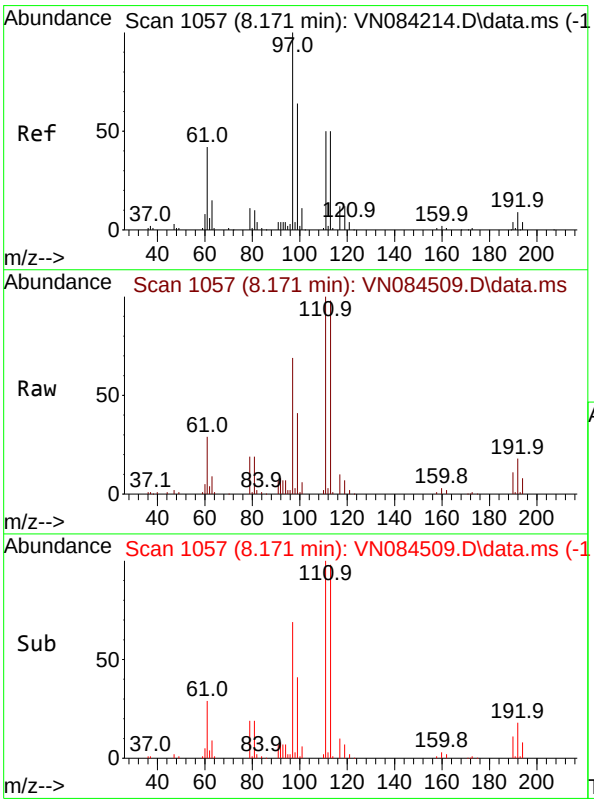
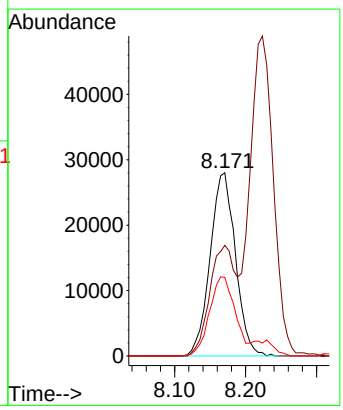
Supervised By :Mahesh Dadoda 10/28/2024

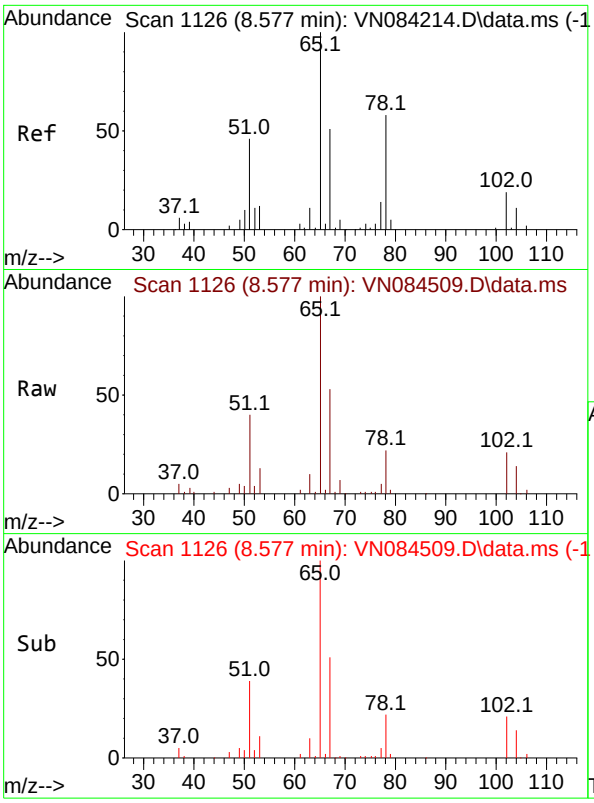


#32
1,1,1-Trichloroethane
Concen: 19.120 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 97 Resp: 69215

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.2	76.8
61	44.3	37.5	56.3

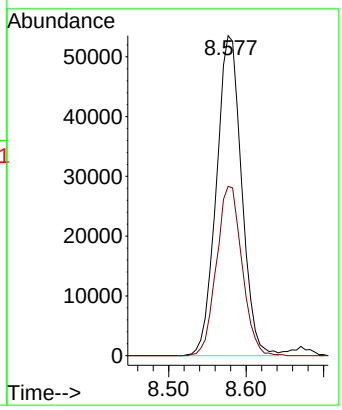




#33
1,2-Dichloroethane-d4
Concen: 47.711 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 65 Resp: 12135

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	102.0



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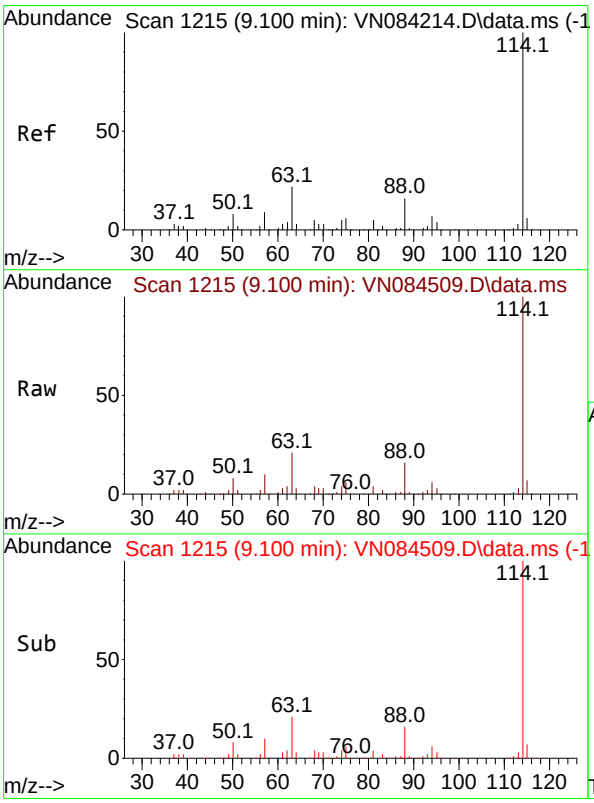
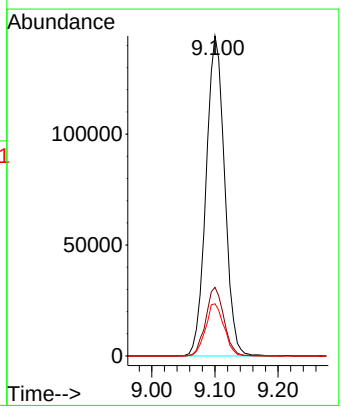
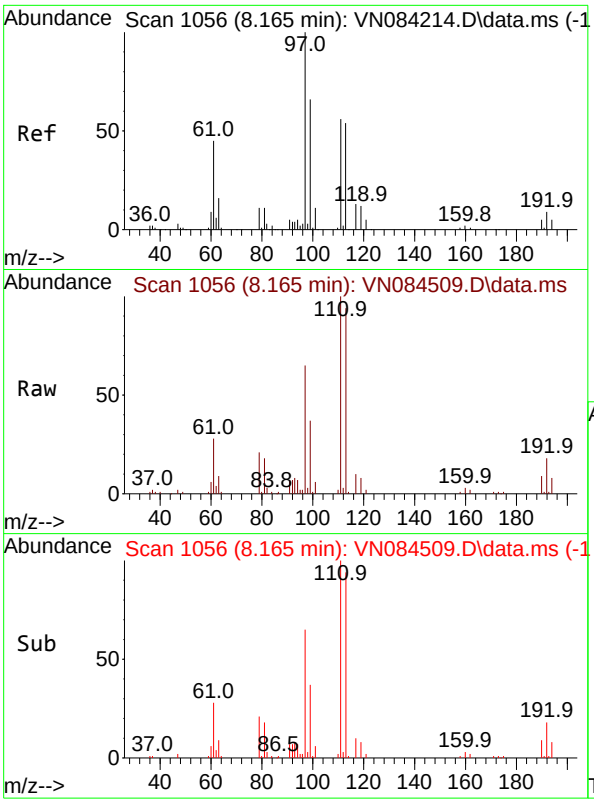


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:114 Resp: 293994

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6

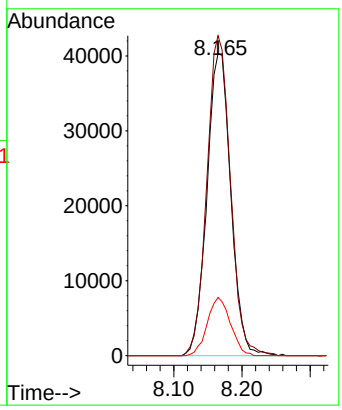




#35
Dibromofluoromethane
Concen: 50.790 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:113 Resp: 9844

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.3	124.9
192	18.7	13.5	20.3



Instrument :
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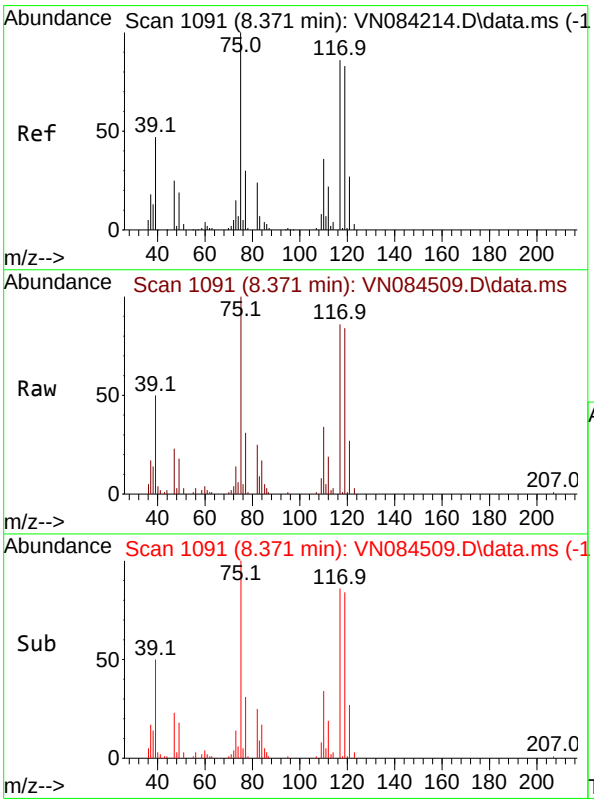
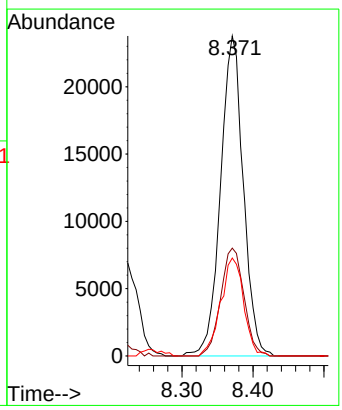
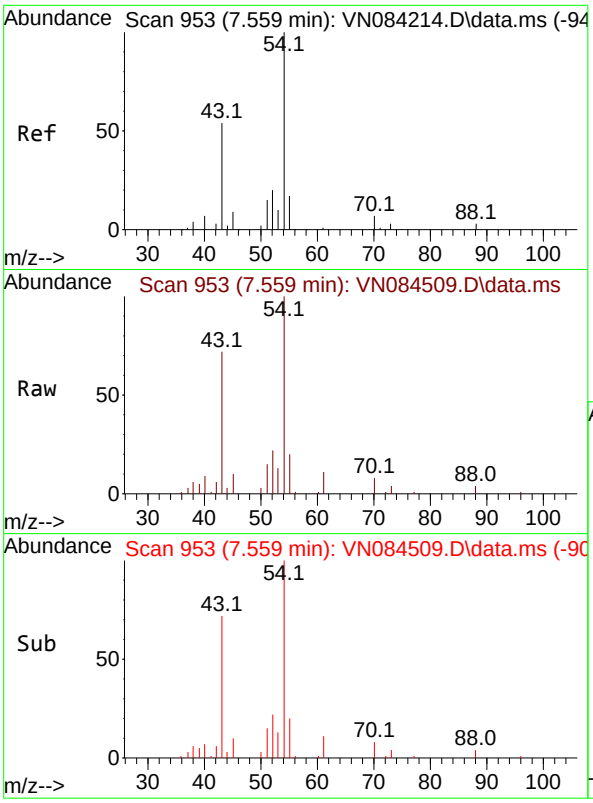


#36
1,1-Dichloropropene
Concen: 18.778 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 52866

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.7
77	30.9	24.7	37.1

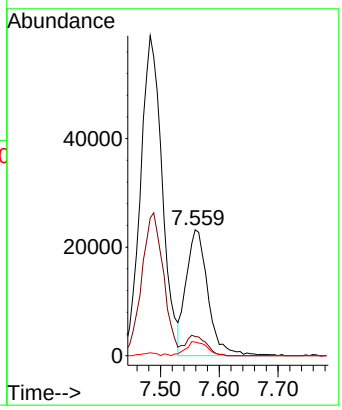




#37
Ethyl Acetate
Concen: 20.716 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 5983

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
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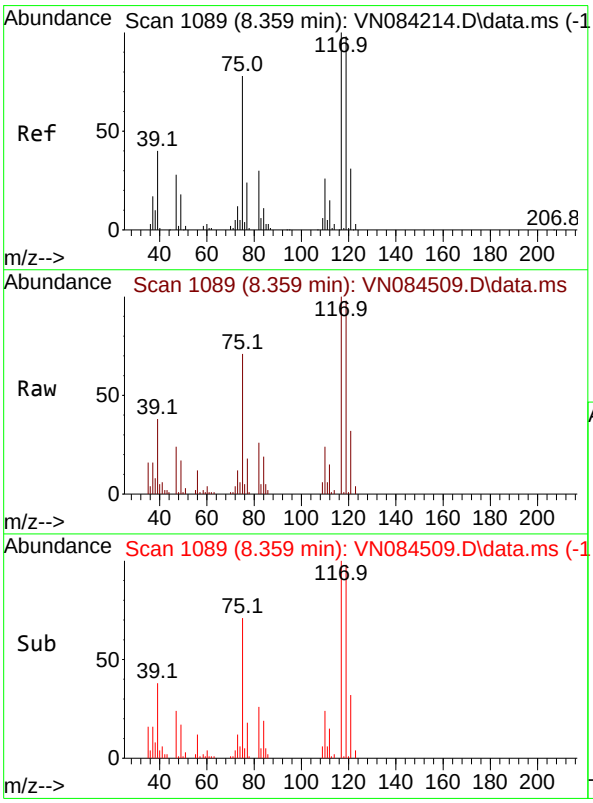
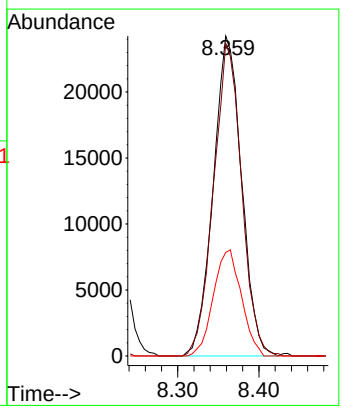
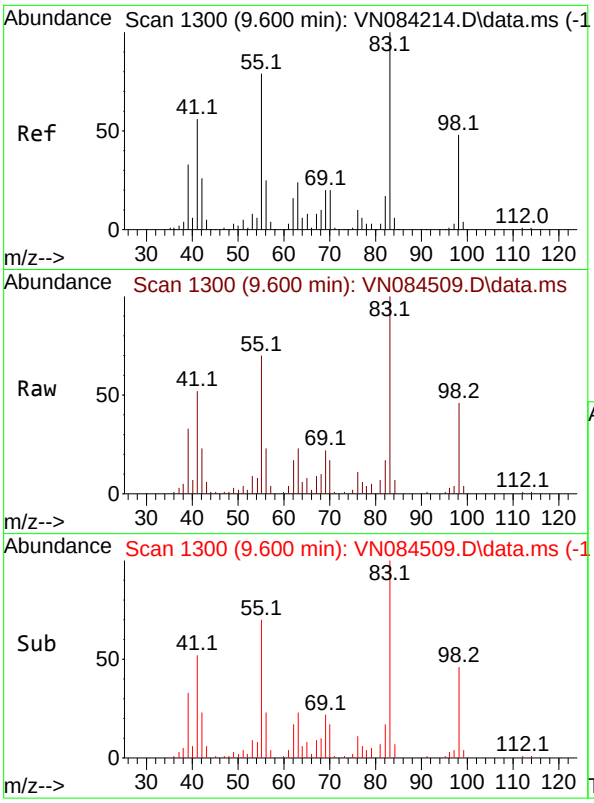


#38
Carbon Tetrachloride
Concen: 19.008 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:117 Resp: 58702

Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.7	118.1
121	32.3	24.4	36.6

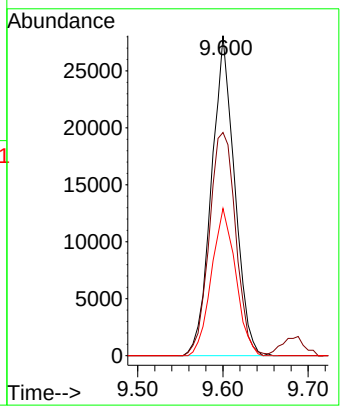




#39
Methylcyclohexane
Concen: 16.937 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 83 Resp: 5307

Ion	Ratio	Lower	Upper
83	100		
55	69.7	62.8	94.2
98	46.0	38.8	58.2



Instrument :
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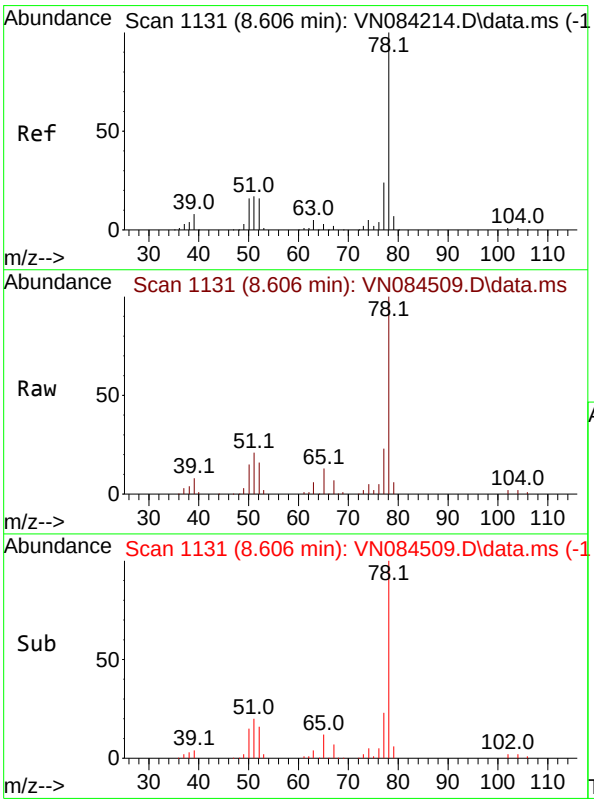
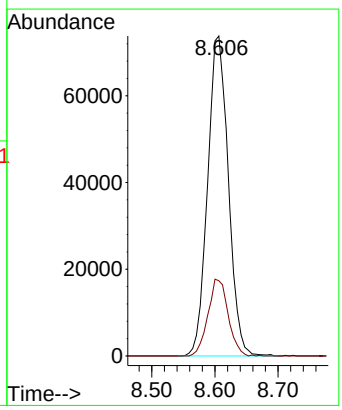
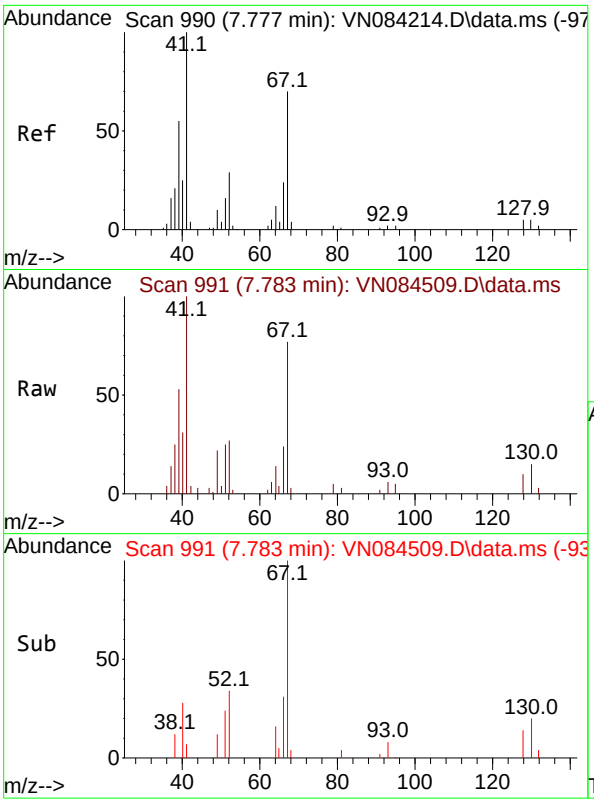


#40
Benzene
Concen: 19.193 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 78 Resp: 168355

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

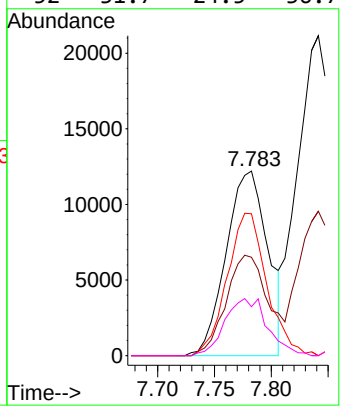




#41
Methacrylonitrile
Concen: 19.852 ug/l
RT: 7.783 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 41 Resp: 3112

Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.3	64.9
67	73.8	56.1	84.1
52	31.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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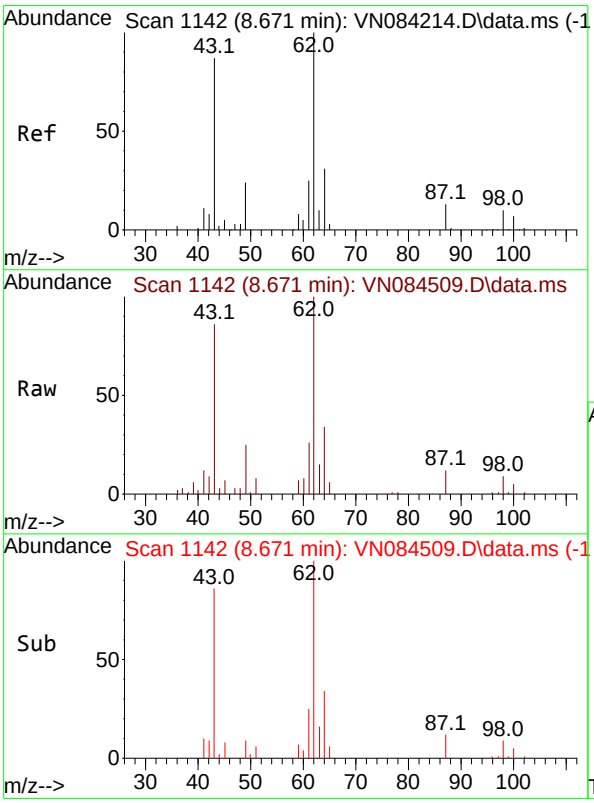
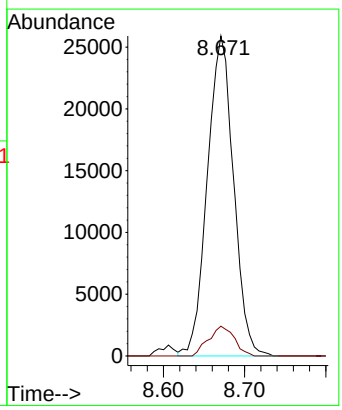
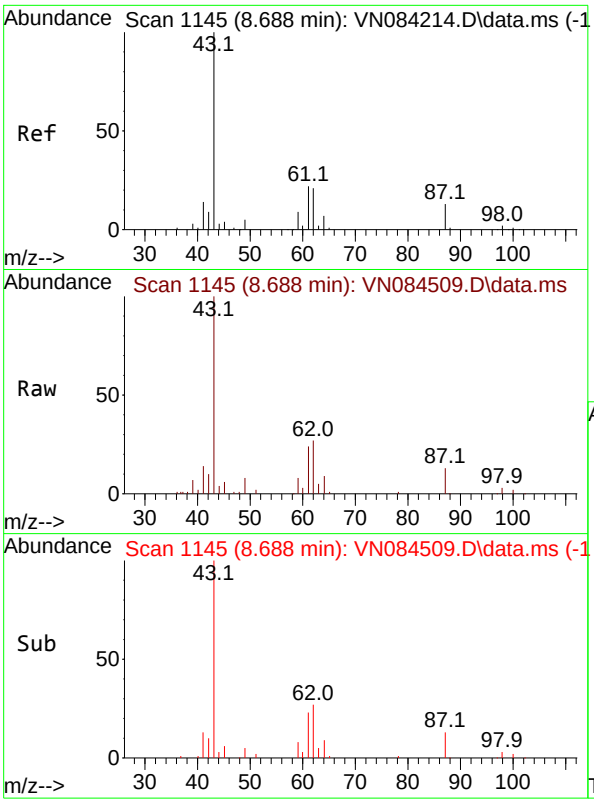


#42
1,2-Dichloroethane
Concen: 19.548 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 62 Resp: 58130

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

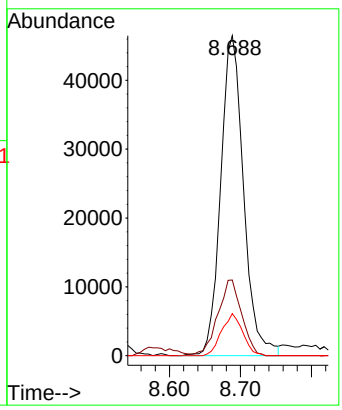




#43
Isopropyl Acetate
Concen: 18.393 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 10405

Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.1	10.3	15.5



Instrument :
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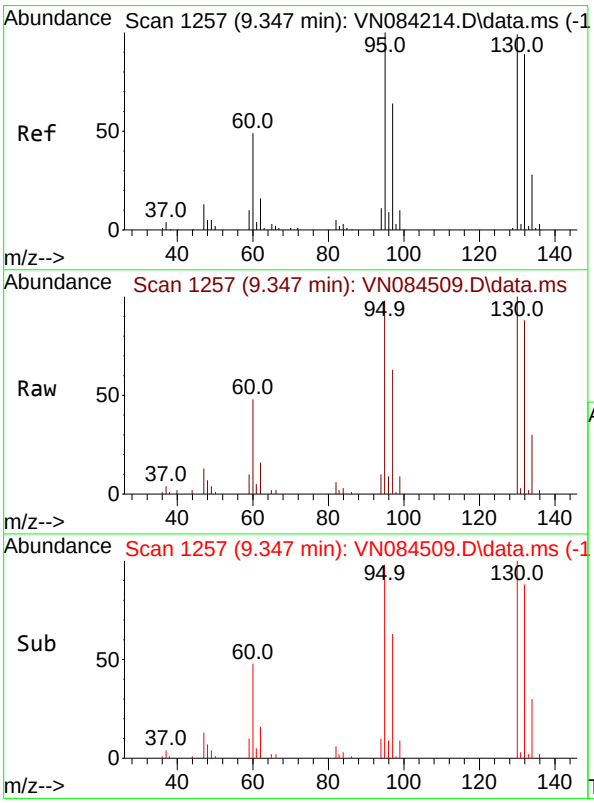
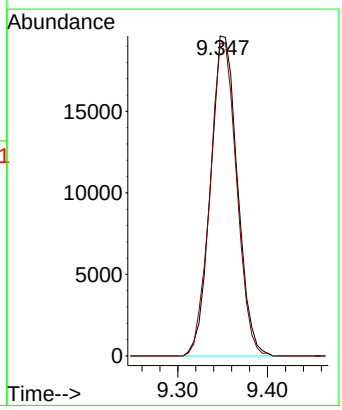
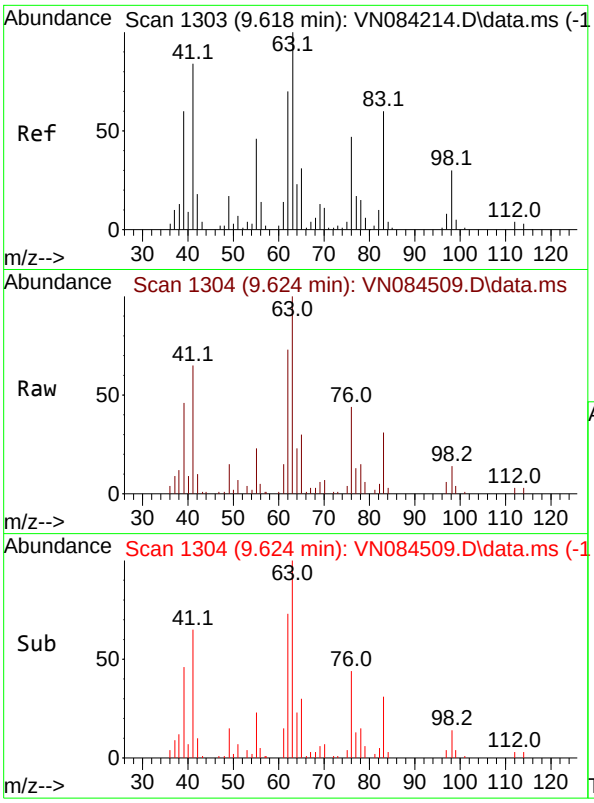


#44
Trichloroethene
Concen: 19.834 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:130 Resp: 40633

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	203.0

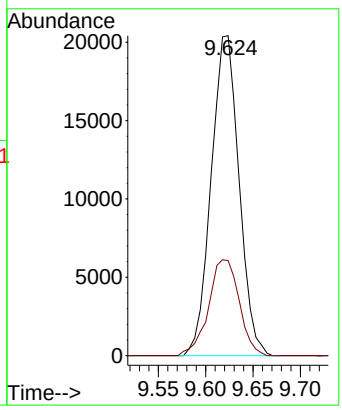




#45
1,2-Dichloropropane
Concen: 20.162 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 63 Resp: 4183

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.6	37.0



Instrument :
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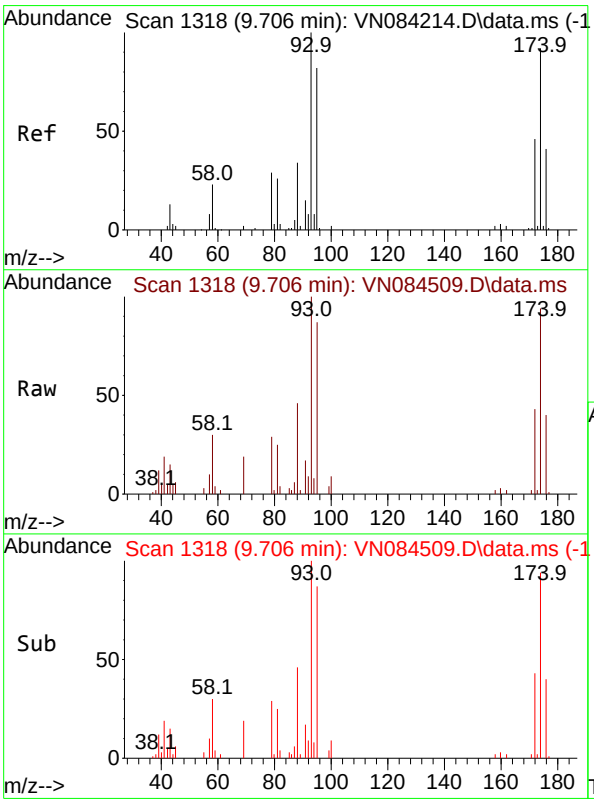
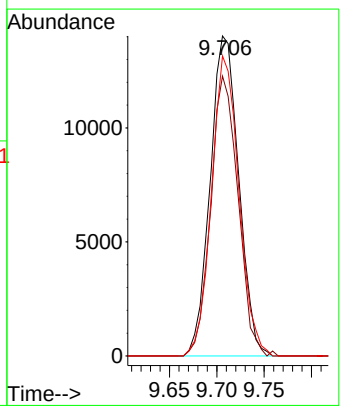
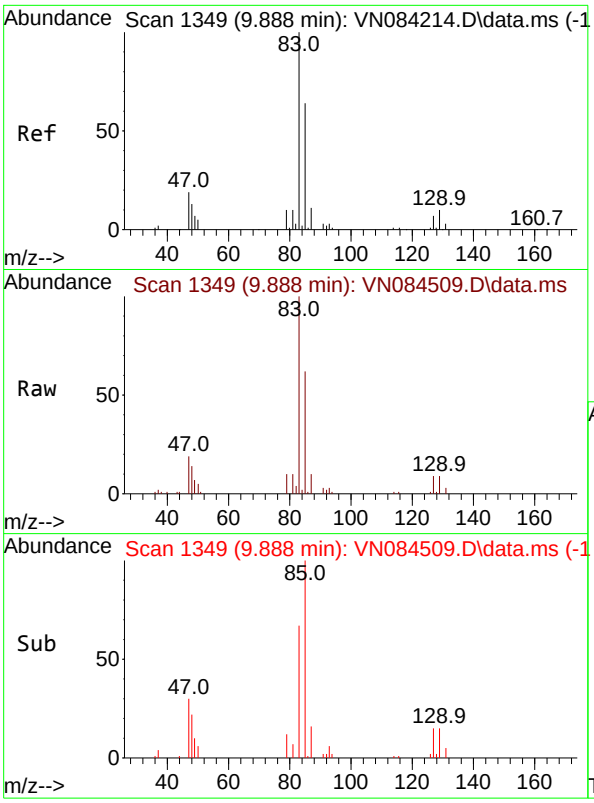


#46
Dibromomethane
Concen: 21.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 93 Resp: 29427

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.4
174	90.2	71.8	107.8

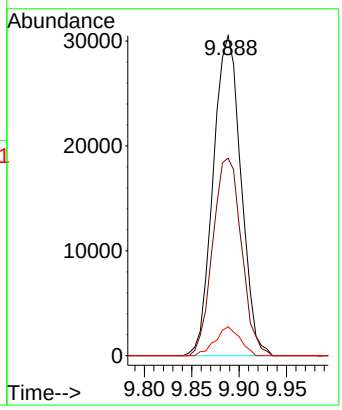




#47
Bromodichloromethane
Concen: 19.993 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 83 Resp: 6219

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3
127	9.0	5.7	8.5



Instrument :
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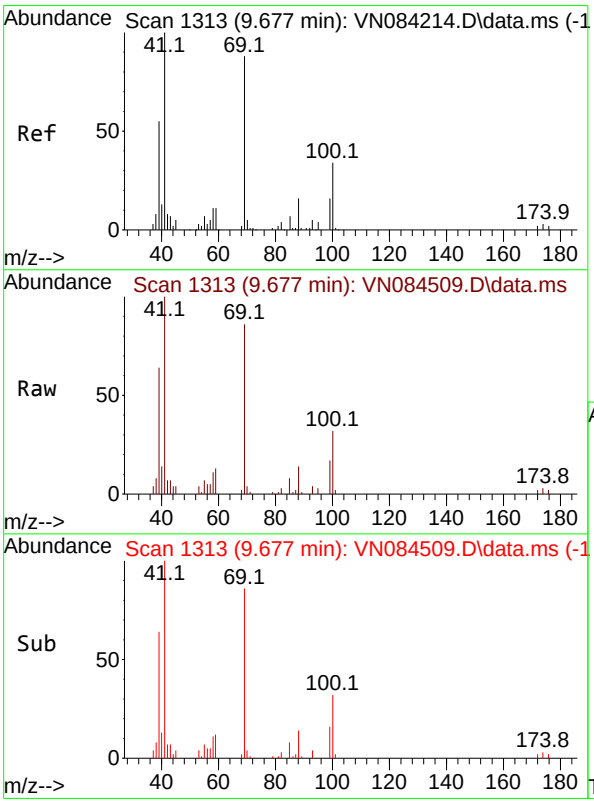
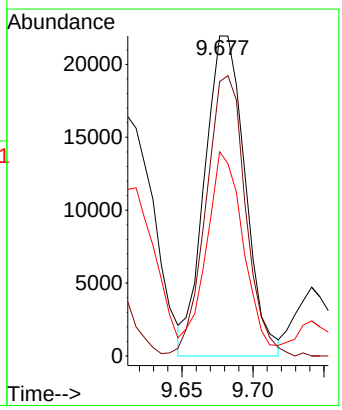
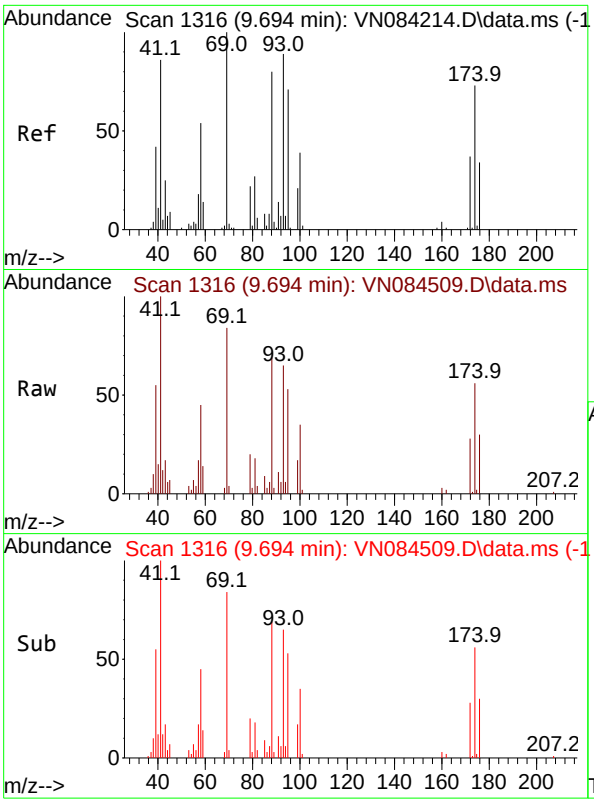


#48
Methyl methacrylate
Concen: 19.316 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 41 Resp: 43499

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	59.4	45.8	68.6

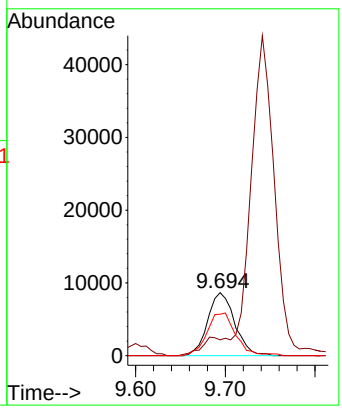




#49
1,4-Dioxane
Concen: 437.079 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 88 Resp: 1812

Ion	Ratio	Lower	Upper
88	100		
43	20.9	25.3	37.9#
58	72.3	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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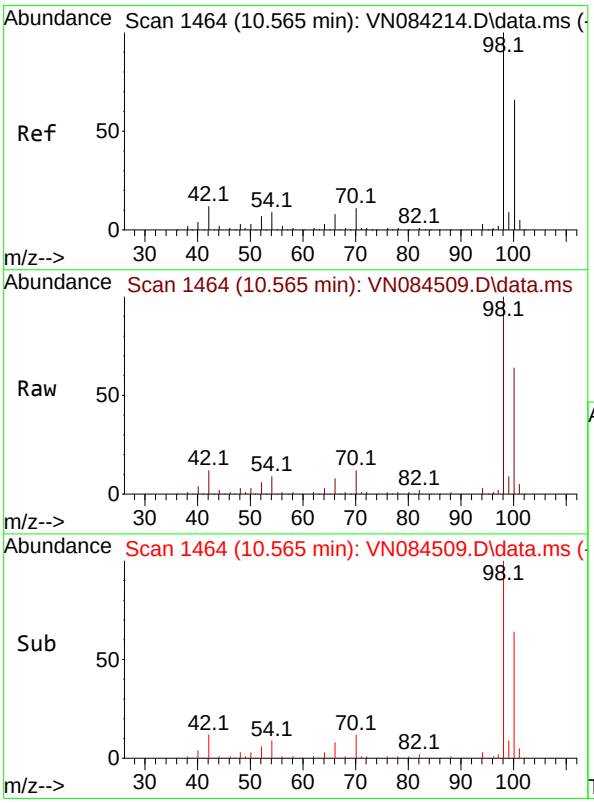
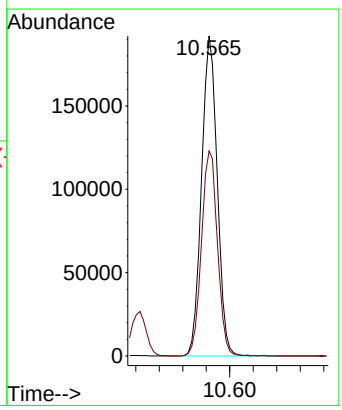
Supervised By :Mahesh Dadoda 10/28/2024

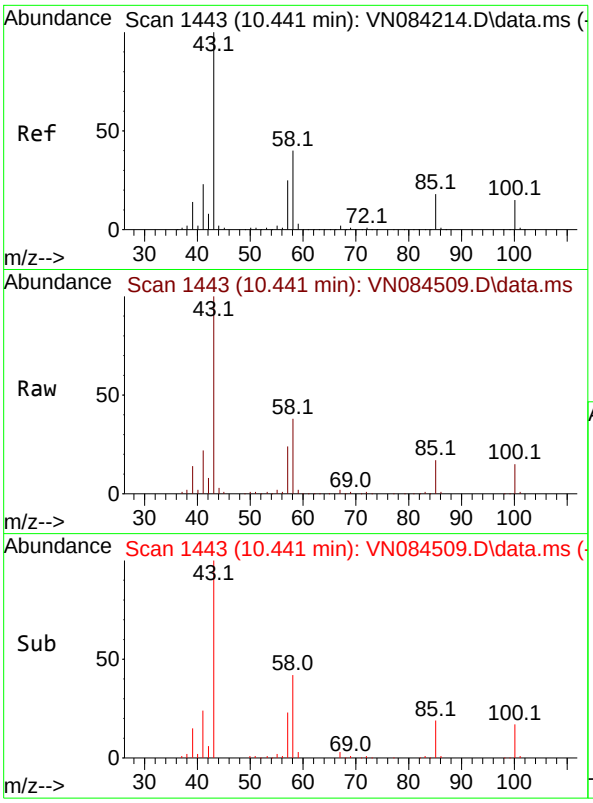


#50
Toluene-d8
Concen: 49.708 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 98 Resp: 354456

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

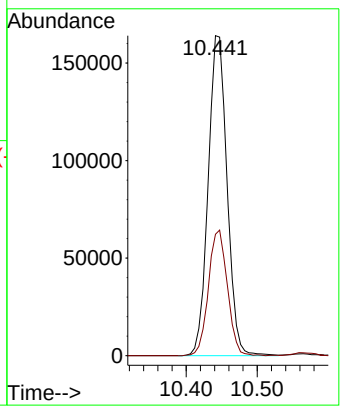




#51
4-Methyl-2-Pentanone
Concen: 110.350 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 30340

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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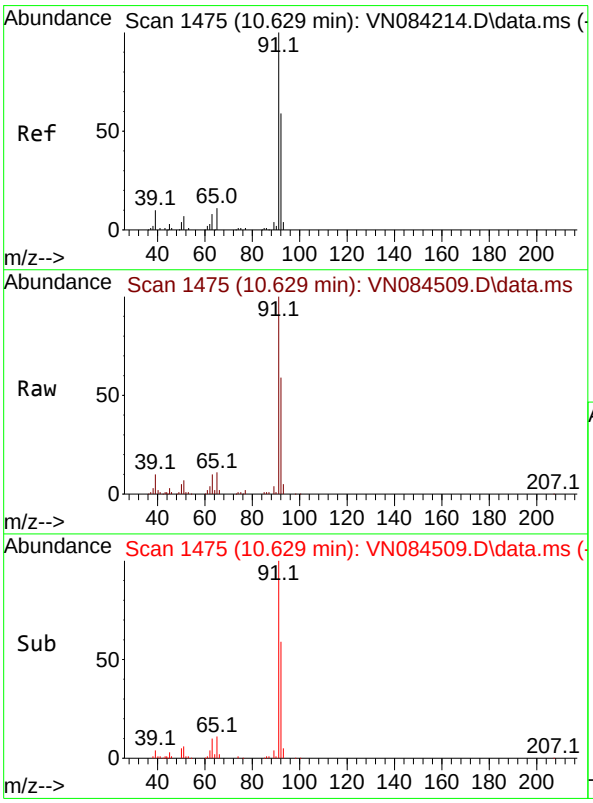
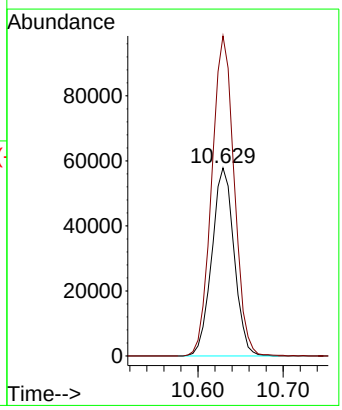
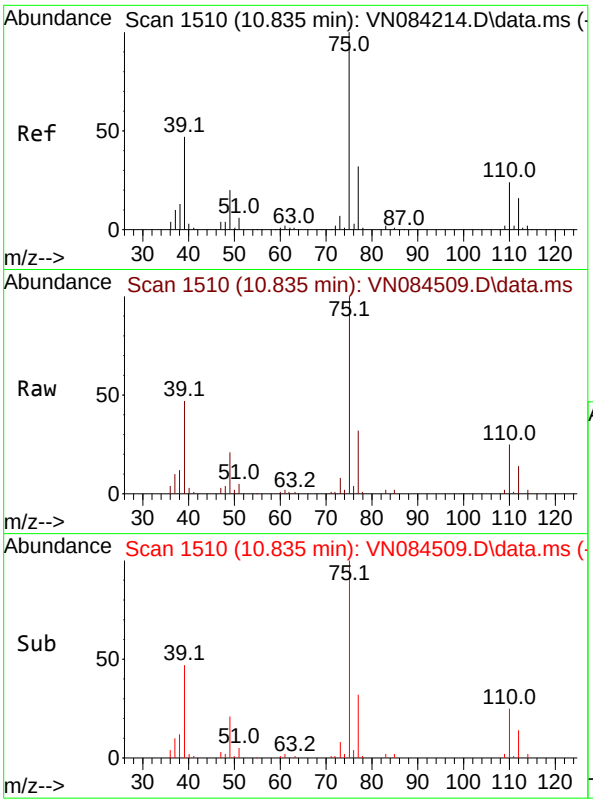


#52
Toluene
Concen: 19.624 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 92 Resp: 104966

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9

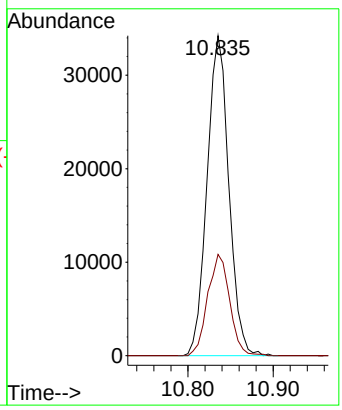




#53
t-1,3-Dichloropropene
Concen: 19.126 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 6065

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
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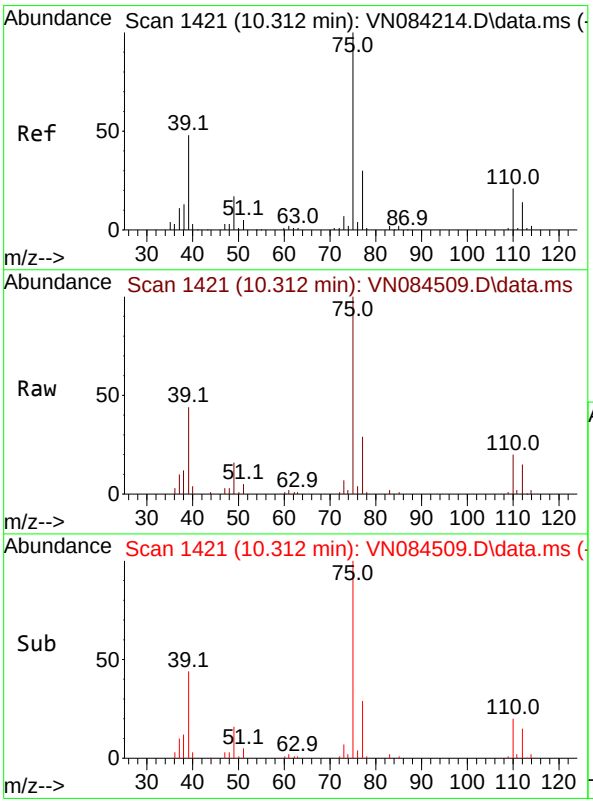
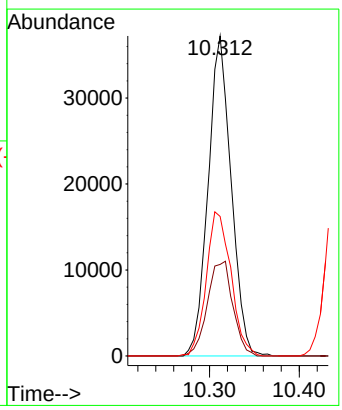
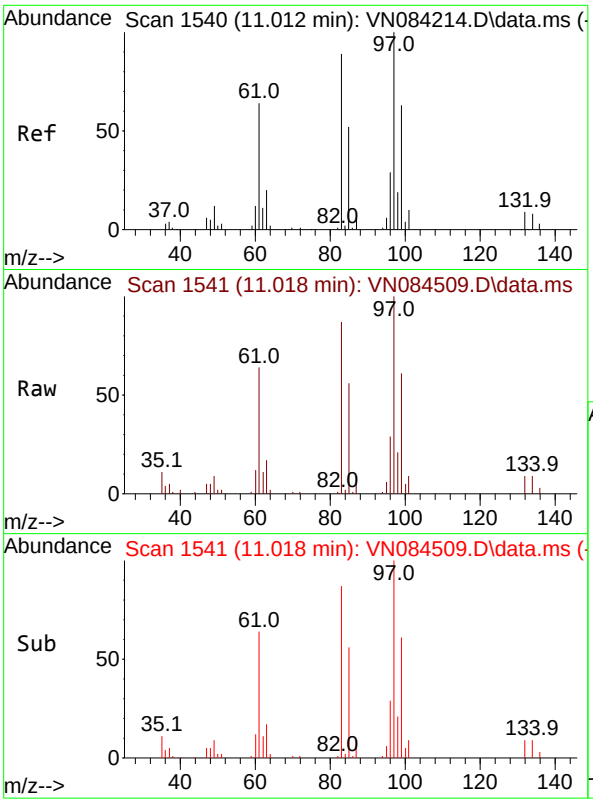


#54
cis-1,3-Dichloropropene
Concen: 19.436 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 66296

Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.2	36.2
39	43.6	38.7	58.1

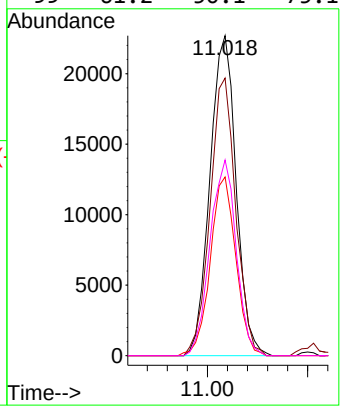




#55
1,1,2-Trichloroethane
Concen: 21.465 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 97 Resp: 4115

Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.0	106.4
85	55.9	41.7	62.5
99	61.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
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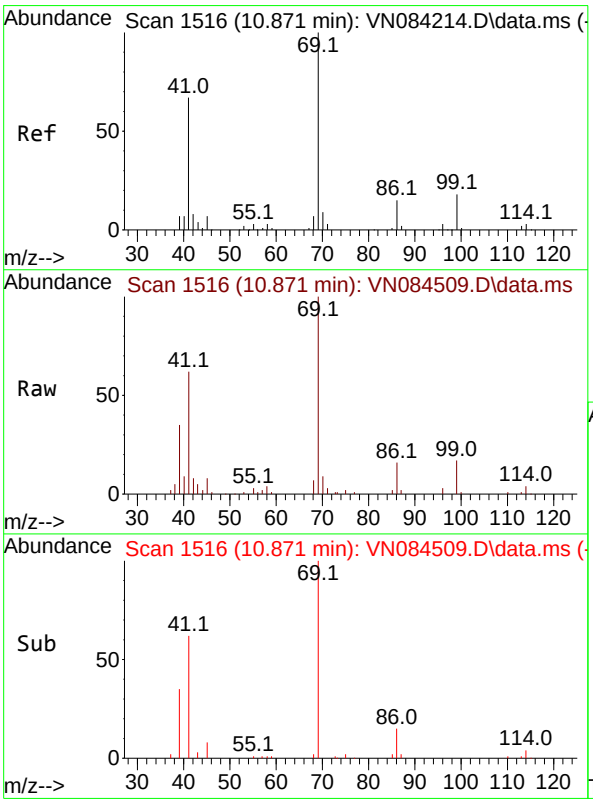
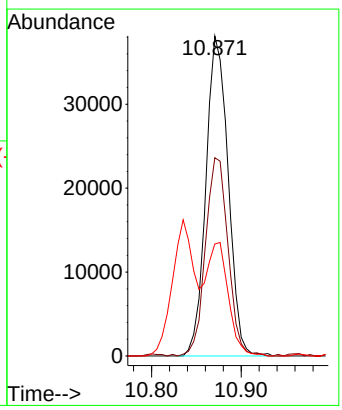
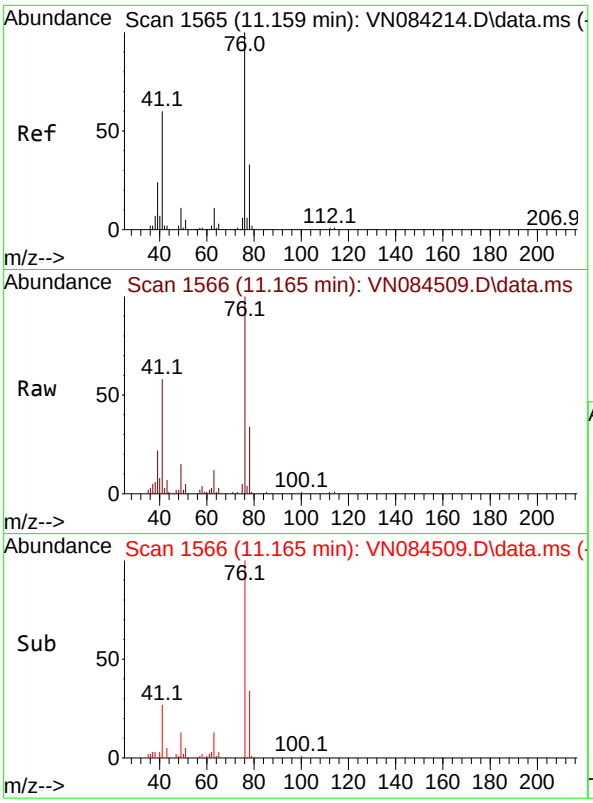


#56
Ethyl methacrylate
Concen: 20.814 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 69 Resp: 65671

Ion	Ratio	Lower	Upper
69	100		
41	63.1	53.3	79.9
39	35.8	28.8	43.2

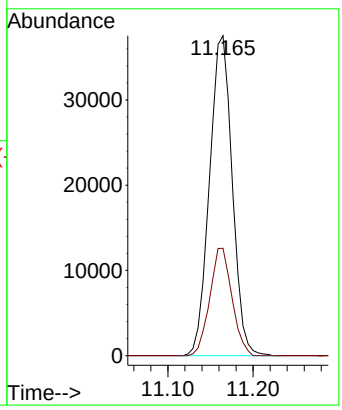




#57
1,3-Dichloropropane
Concen: 20.306 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 76 Resp: 6957

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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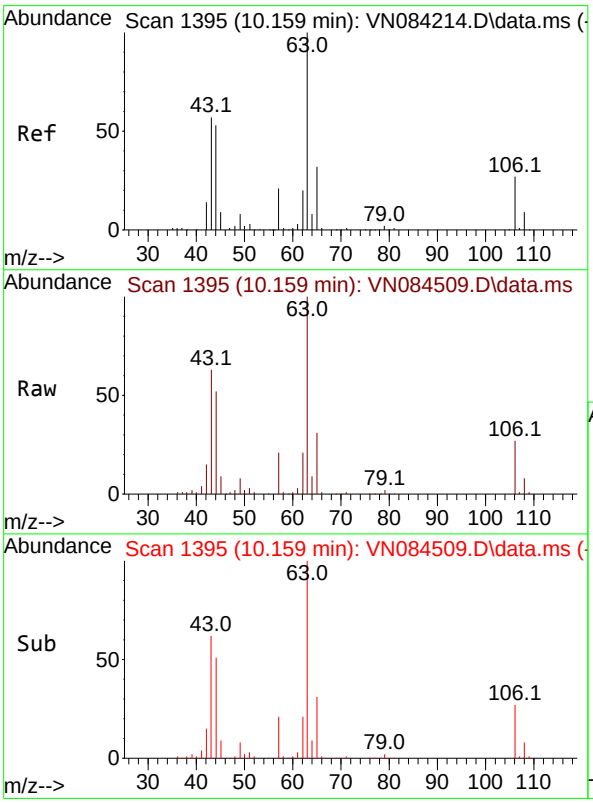
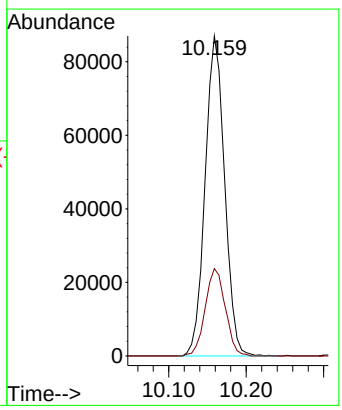
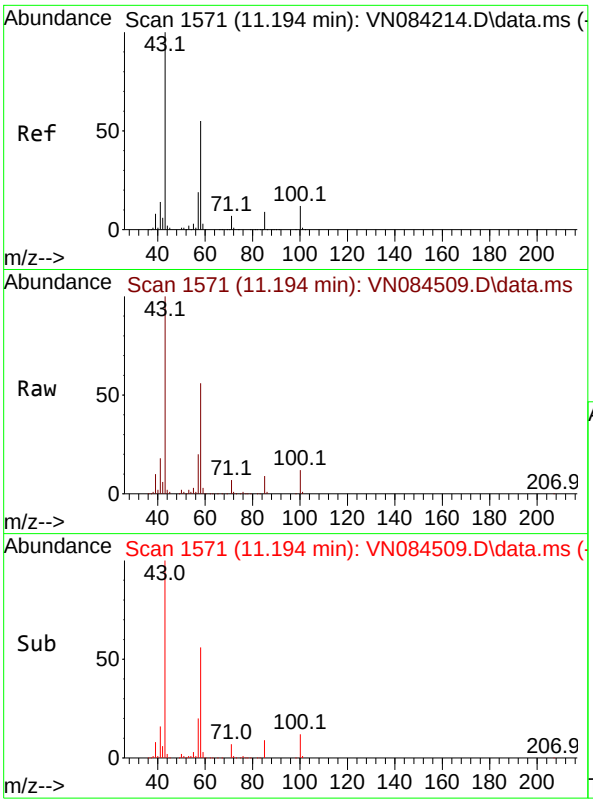


#58
2-Chloroethyl Vinyl ether
Concen: 103.886 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 63 Resp: 152054

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6





#59
2-Hexanone
Concen: 109.038 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 22407

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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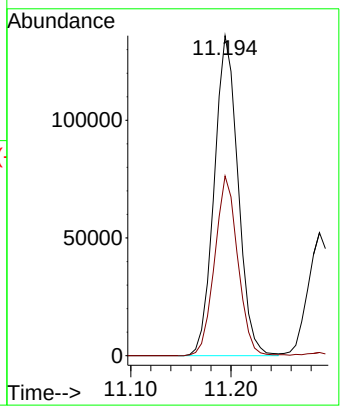
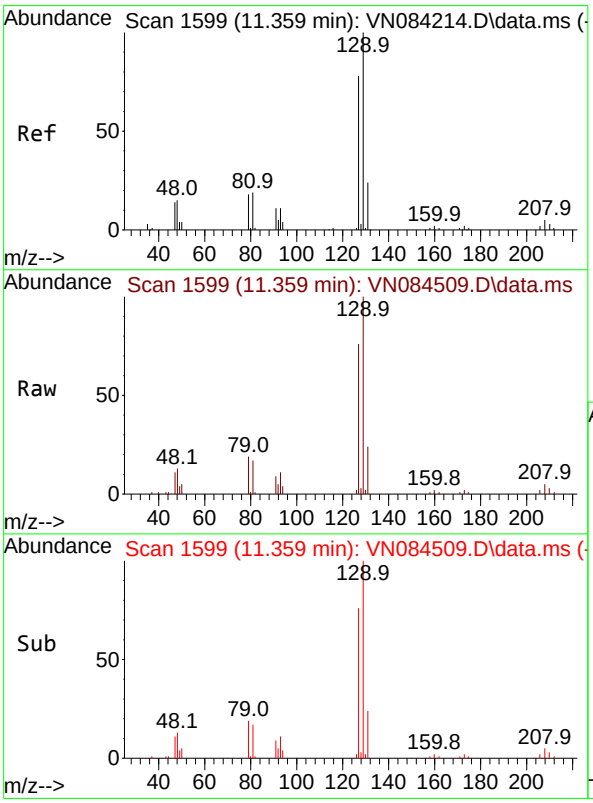
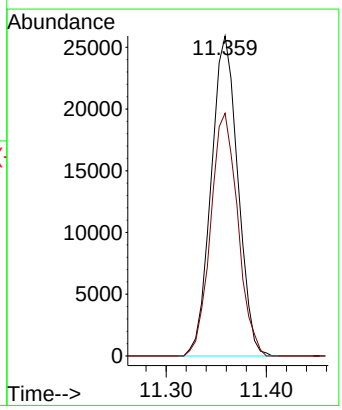


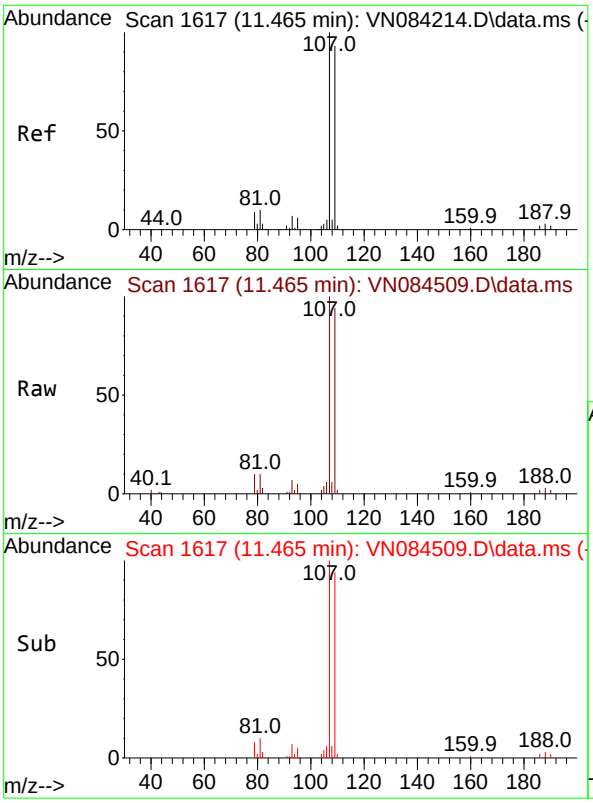


#60
Dibromochloromethane
Concen: 21.095 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:129 Resp: 47794

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.9





#61
1,2-Dibromoethane
Concen: 20.111 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:107 Resp: 4007

Ion	Ratio	Lower	Upper
107	100		
109	97.3	75.4	113.0

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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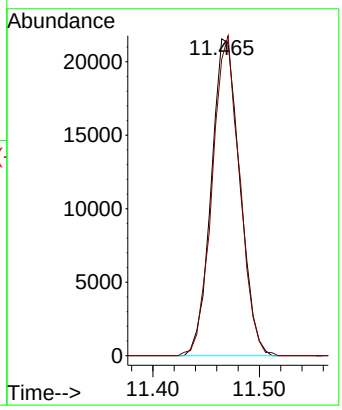
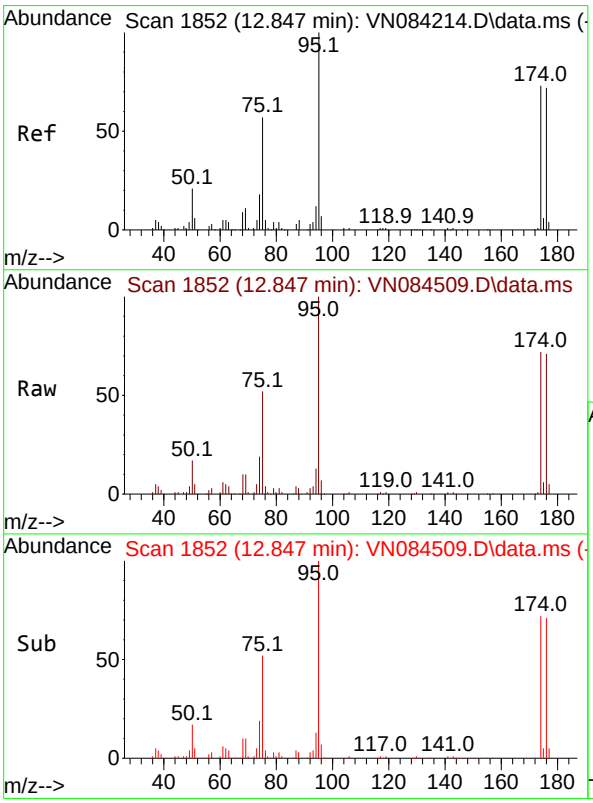
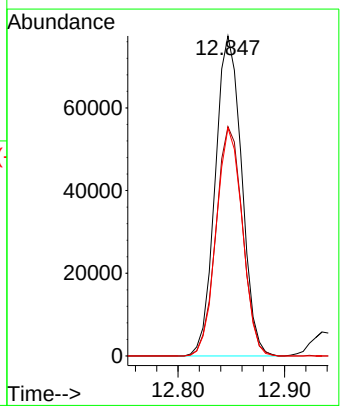


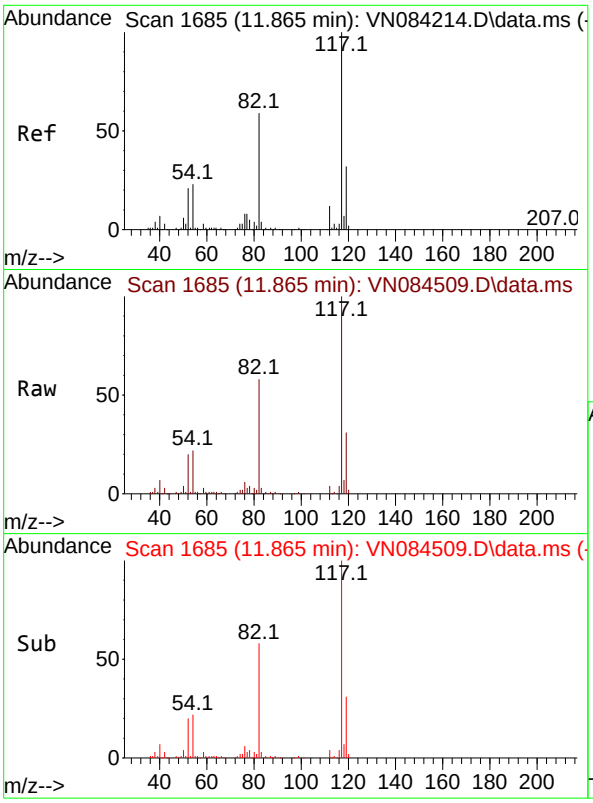


#62
4-Bromofluorobenzene
Concen: 51.360 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 95 Resp: 133424

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	145.2
176	70.5	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:117 Resp: 25969

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.2	70.8
119	31.4	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
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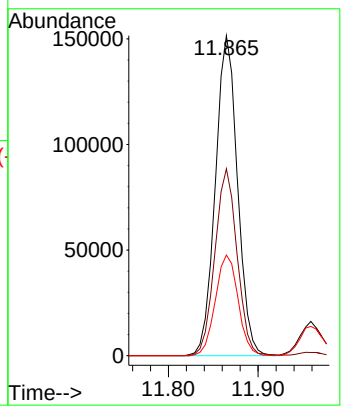
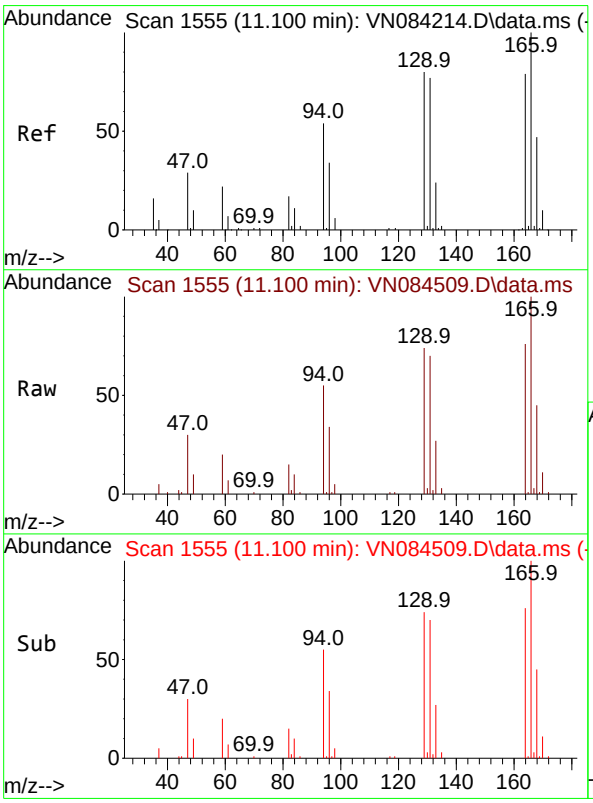
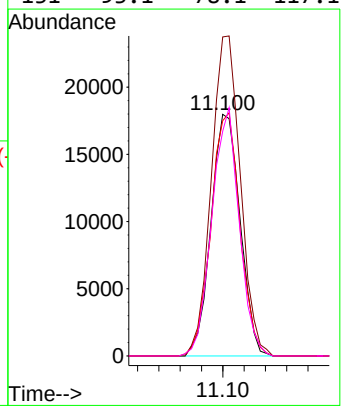


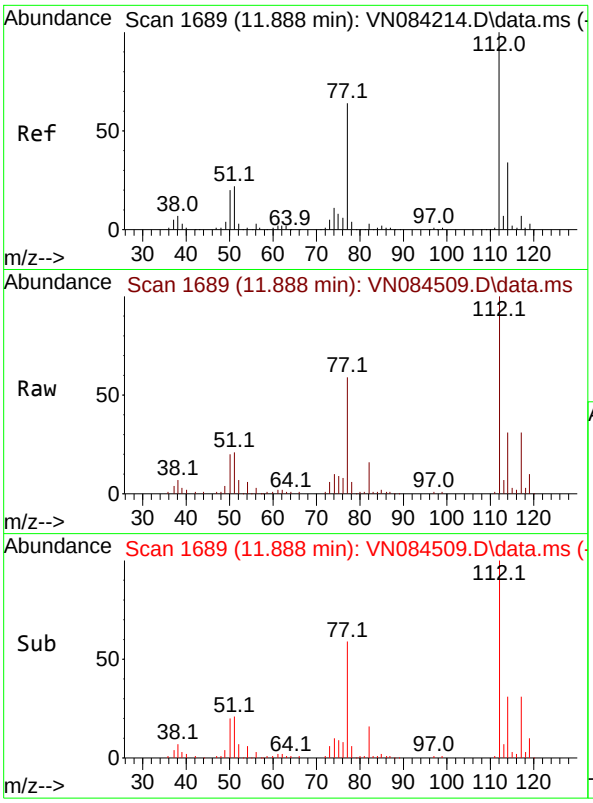


#64
Tetrachloroethene
Concen: 18.815 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:164 Resp: 34033

Ion	Ratio	Lower	Upper
164	100		
166	132.1	101.0	151.4
129	97.4	80.8	121.2
131	93.1	78.1	117.1

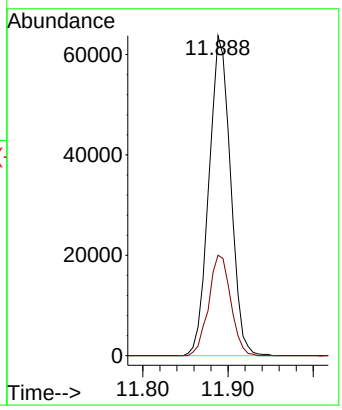




#65
Chlorobenzene
Concen: 19.517 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:112 Resp: 11238

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6



Instrument :
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ClientSampleId :
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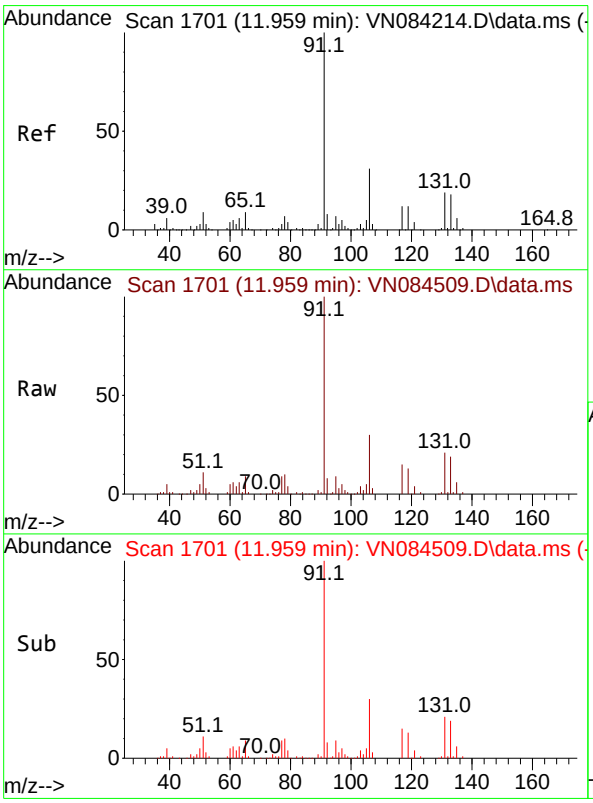
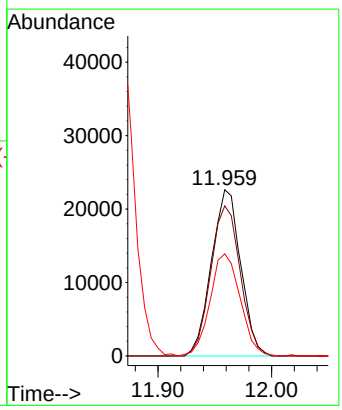
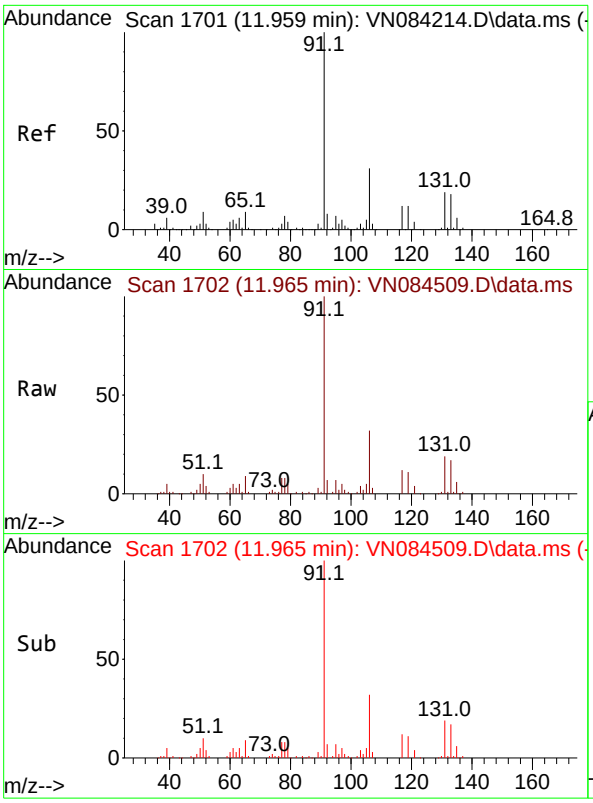


#66
1,1,1,2-Tetrachloroethane
Concen: 20.424 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:131 Resp: 40507

Ion	Ratio	Lower	Upper
131	100		
133	91.4	47.9	143.7
119	63.3	32.8	98.3

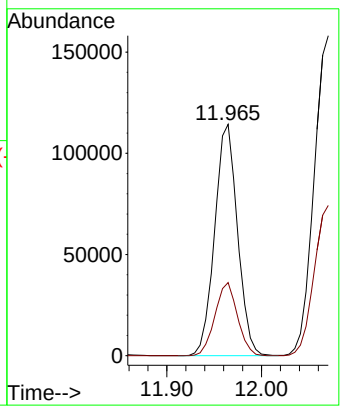




#67
Ethyl Benzene
Concen: 18.813 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 19157

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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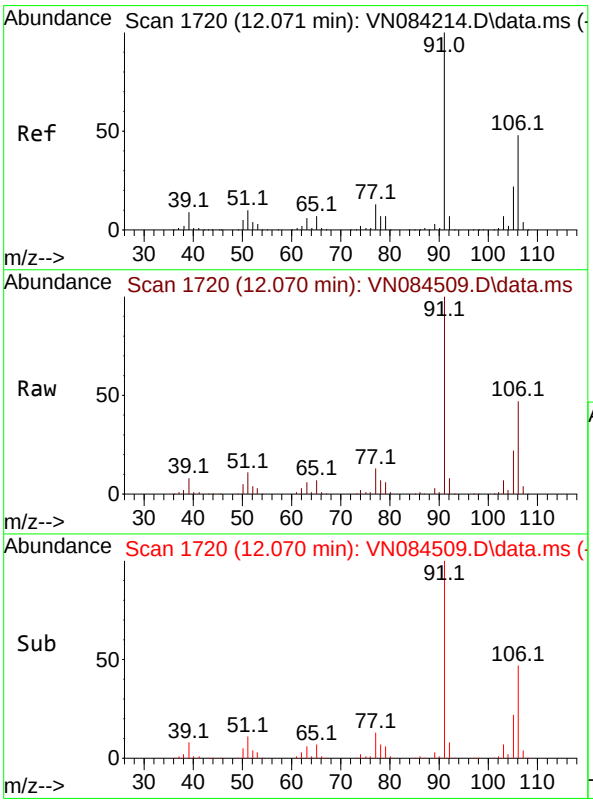
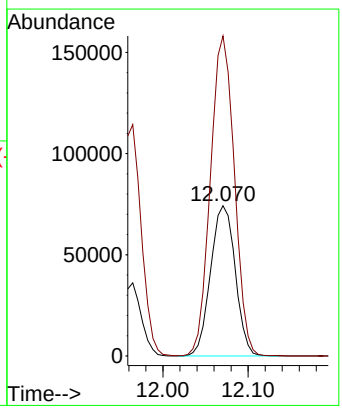
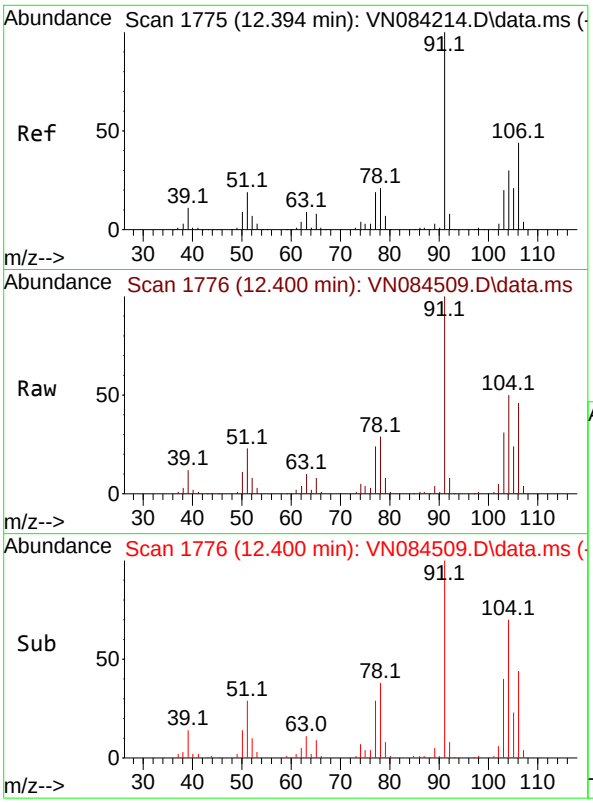


#68
m/p-Xylenes
Concen: 39.637 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:106 Resp: 149303

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7

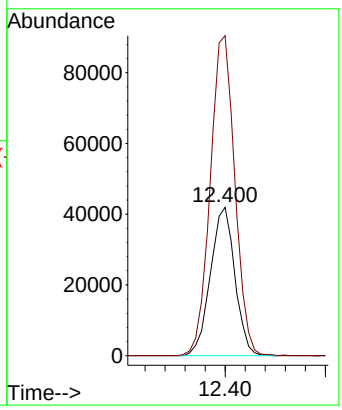




#69
o-Xylene
Concen: 19.913 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:106 Resp: 7096

Ion	Ratio	Lower	Upper
106	100		
91	217.3	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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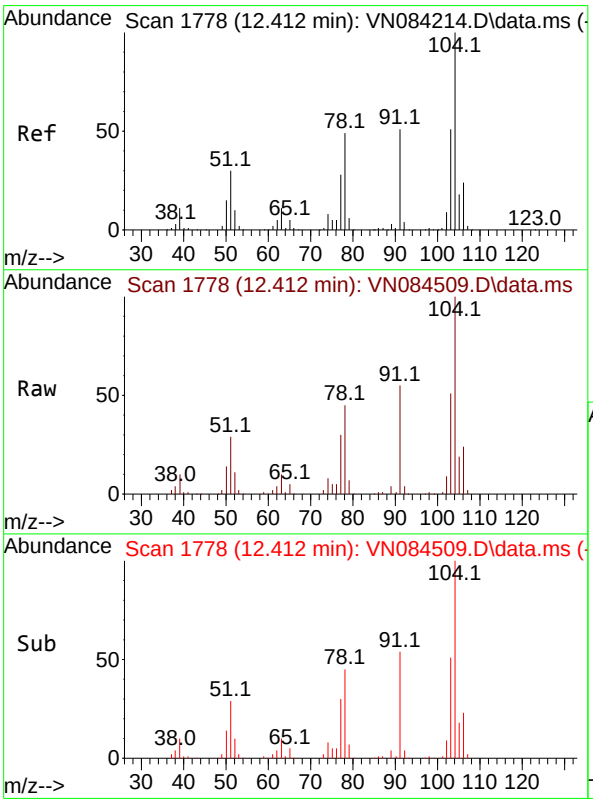
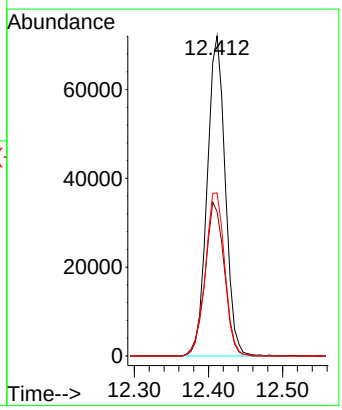
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

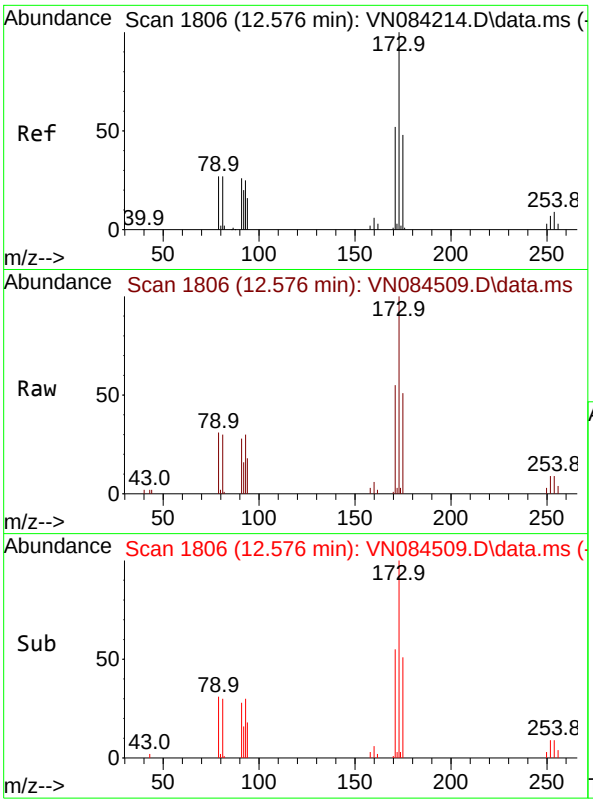


#70
Styrene
Concen: 20.184 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:104 Resp: 121840

Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.7	64.1
103	55.0	43.6	65.4

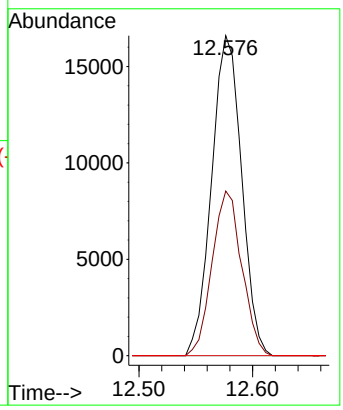




#71
Bromoform
Concen: 20.854 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:173 Resp: 3045

Ion	Ratio	Lower	Upper
173	100		
175	50.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
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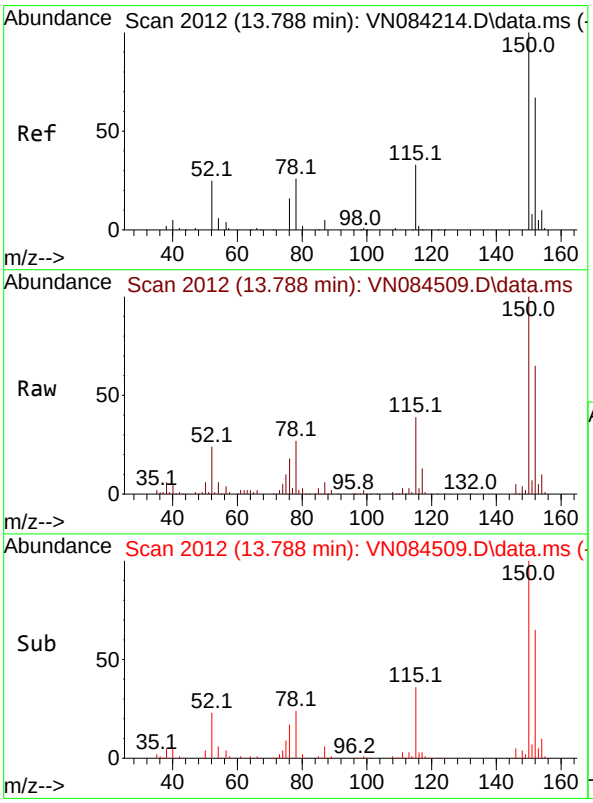
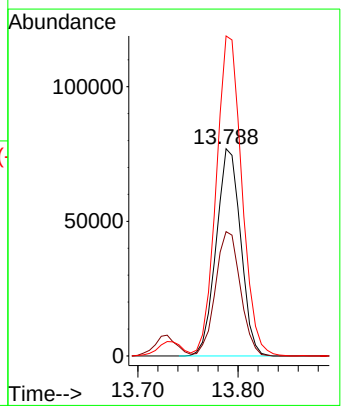
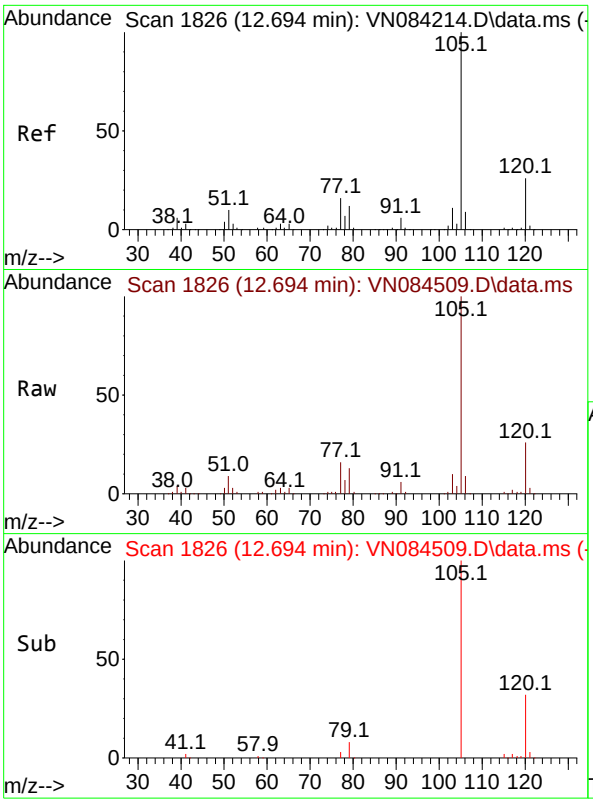


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:152 Resp: 130520

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.3	93.9
150	161.7	0.0	349.8

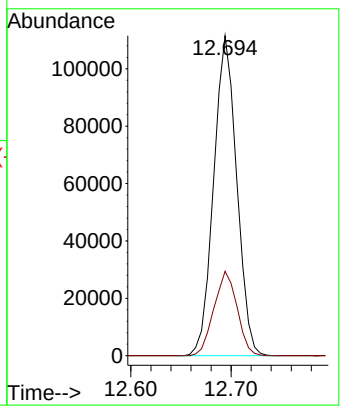




#73
Isopropylbenzene
Concen: 17.846 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:105 Resp: 17774

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7



Instrument :
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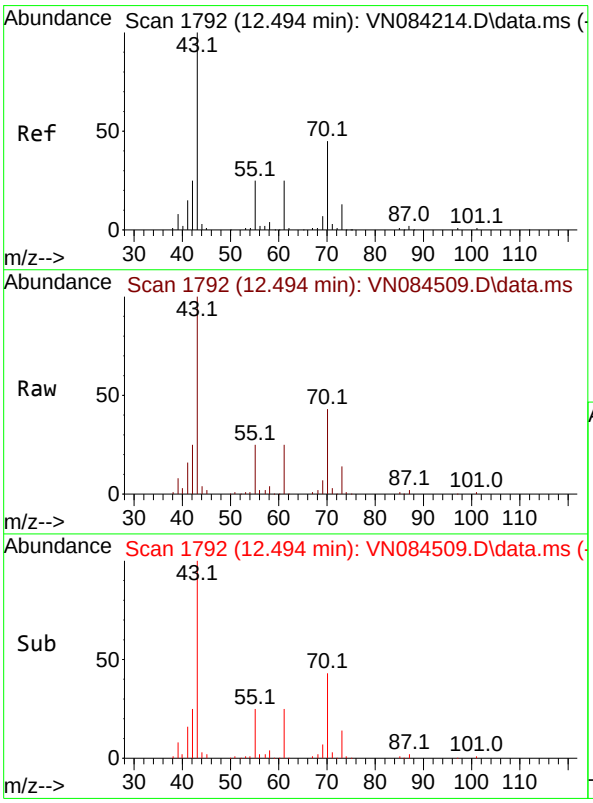
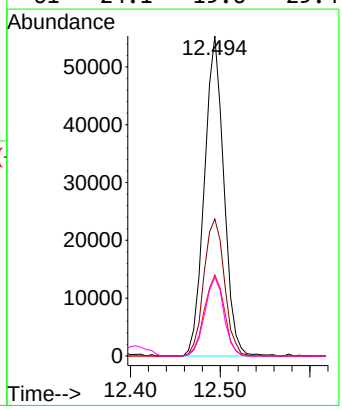
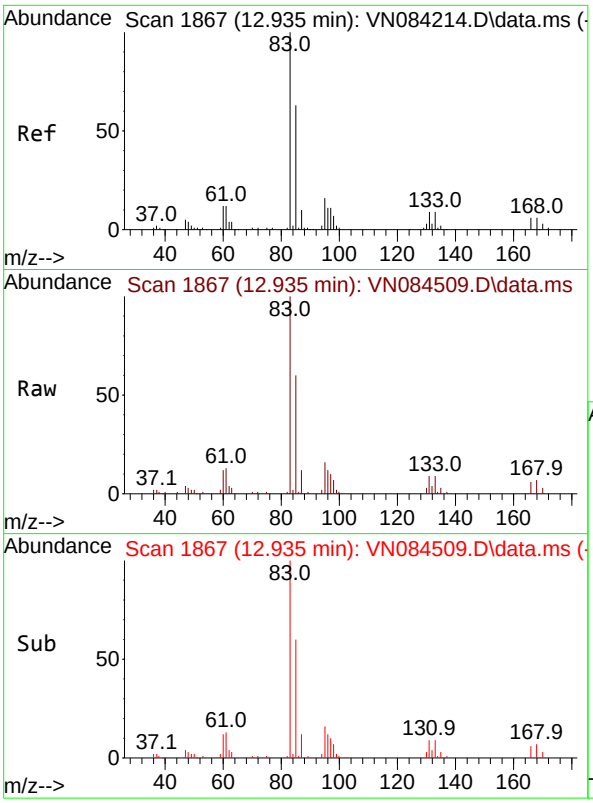


#74
N-amyl acetate
Concen: 18.494 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 83413

Ion	Ratio	Lower	Upper
43	100		
70	45.2	34.4	51.6
55	25.8	19.6	29.4
61	24.1	19.6	29.4

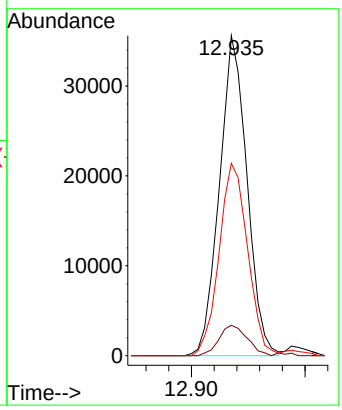




#75
1,1,2,2-Tetrachloroethane
Concen: 20.011 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 83 Resp: 5993

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	62.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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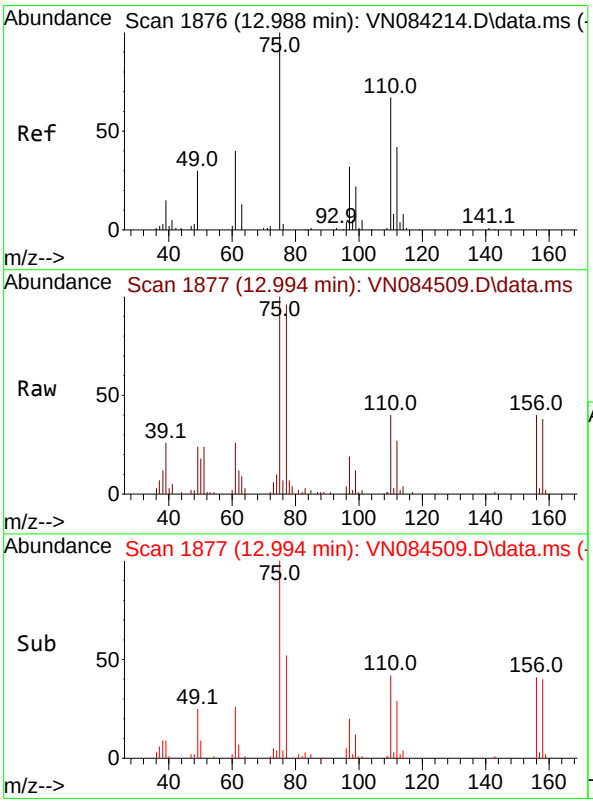
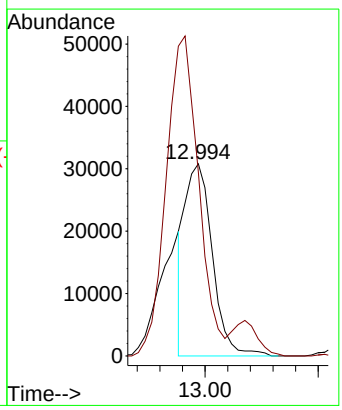
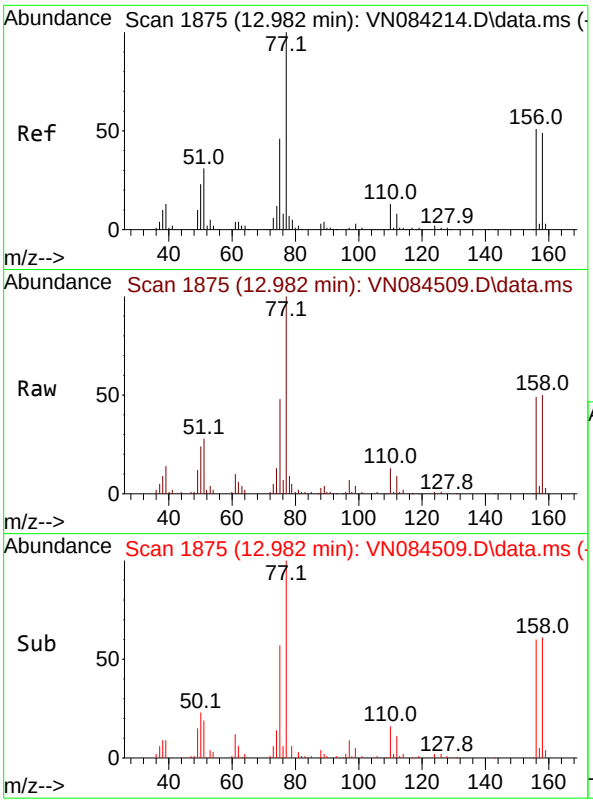


#76
1,2,3-Trichloropropane
Concen: 19.474 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 51890

Ion	Ratio	Lower	Upper
75	100		
77	197.2	96.9	290.7

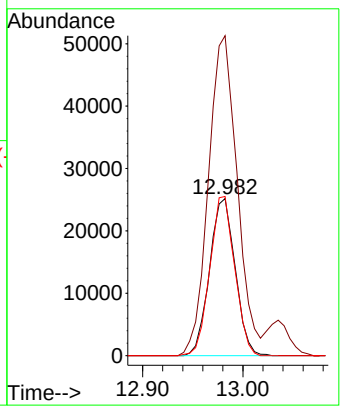




#77
Bromobenzene
Concen: 18.632 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:156 Resp: 4476

Ion	Ratio	Lower	Upper
156	100		
77	228.6	115.1	345.3
158	98.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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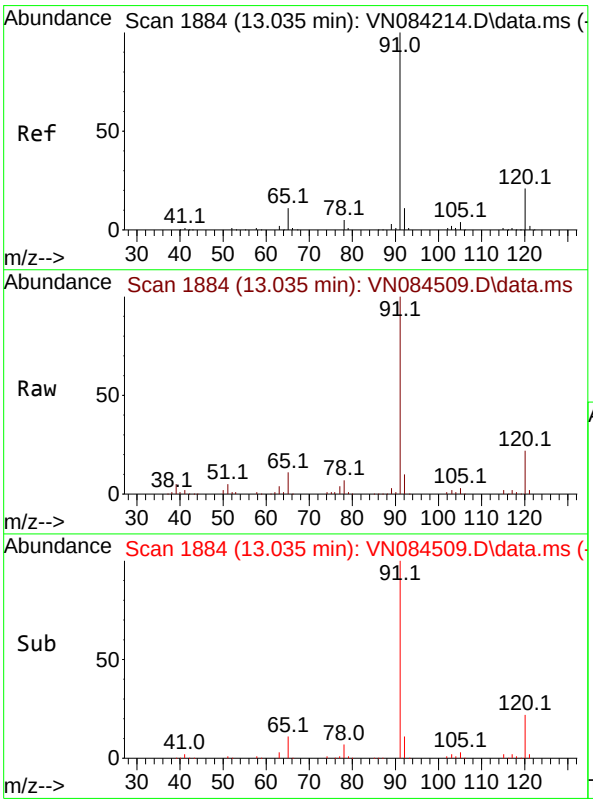
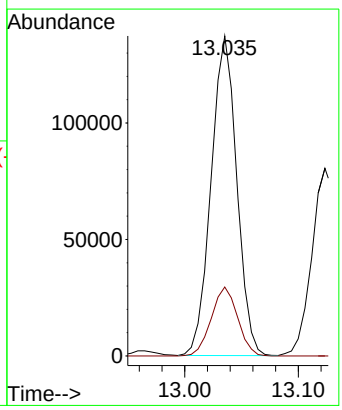
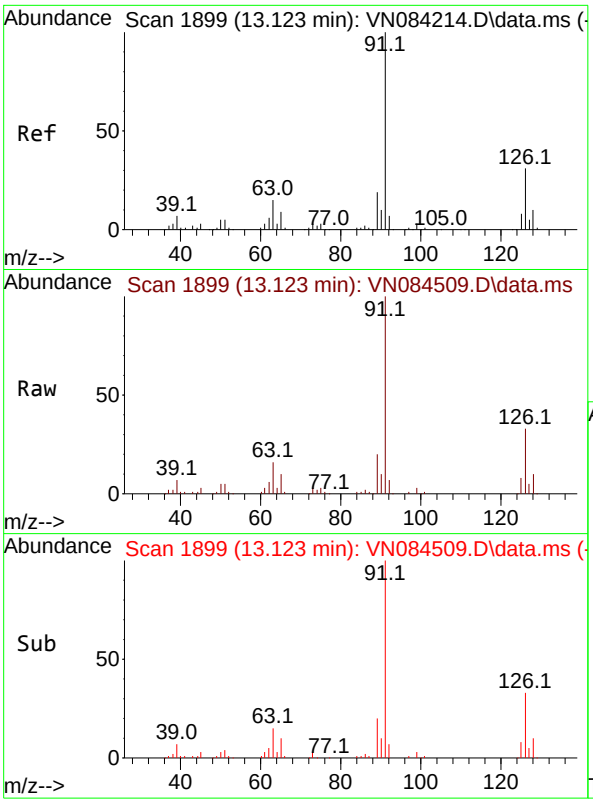


#78
n-propylbenzene
Concen: 18.702 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 215810

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

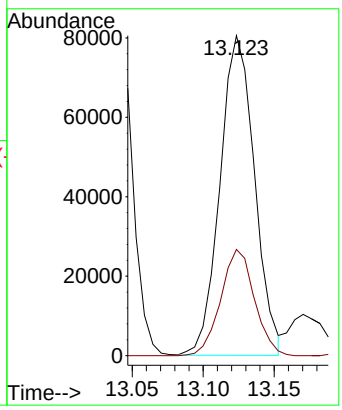




#79
2-Chlorotoluene
Concen: 18.510 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 13629

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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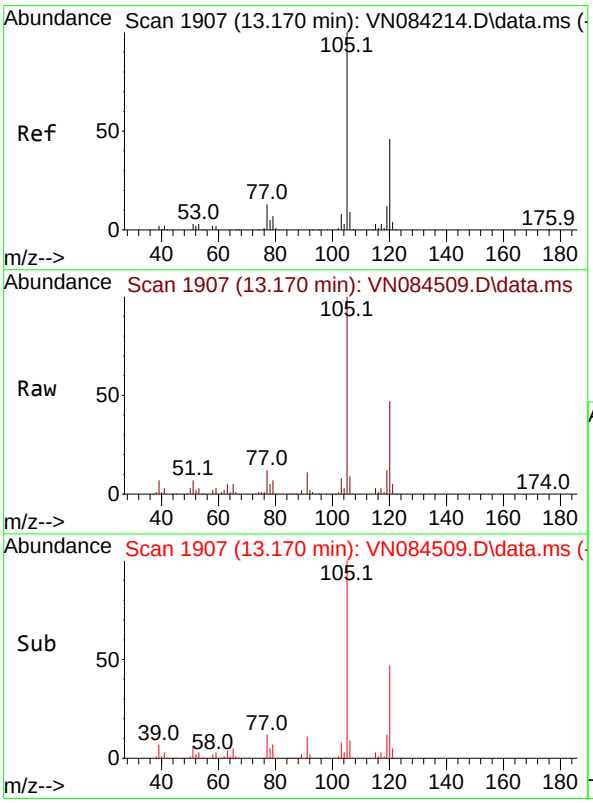
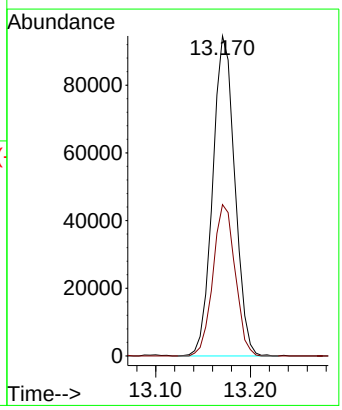
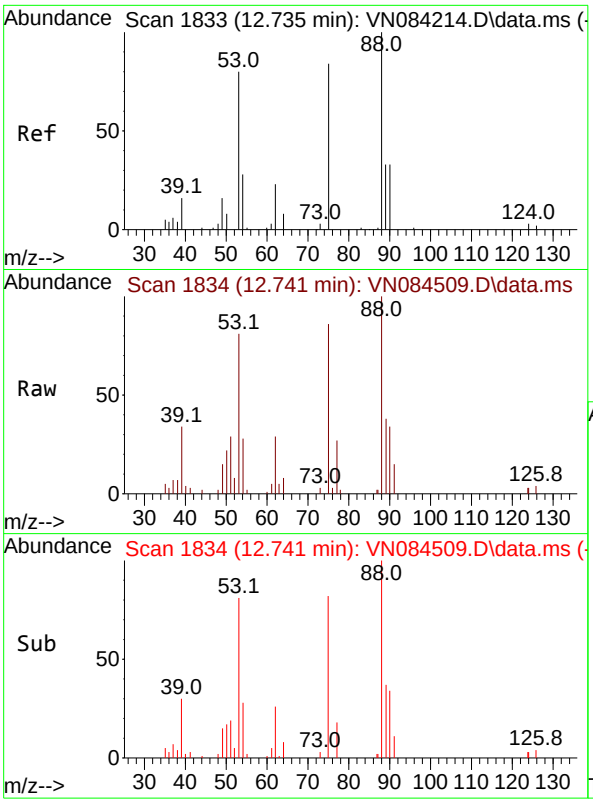


#80
1,3,5-Trimethylbenzene
Concen: 18.862 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:105 Resp: 153246

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 17.958 ug/l m
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 1995

Ion	Ratio	Lower	Upper
75	100		
53	104.5	78.0	117.0
89	46.3	35.5	53.3

Instrument :
MSVOA_N
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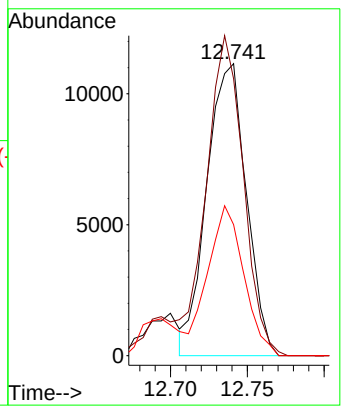
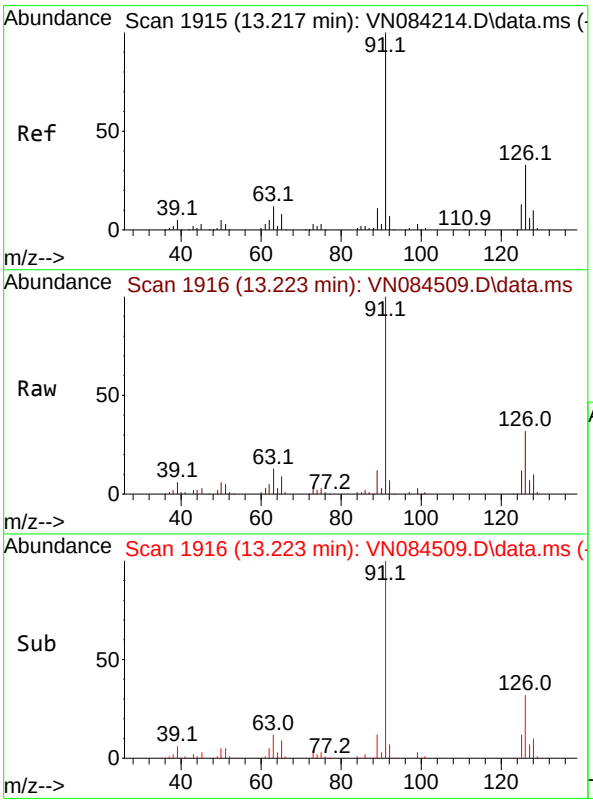
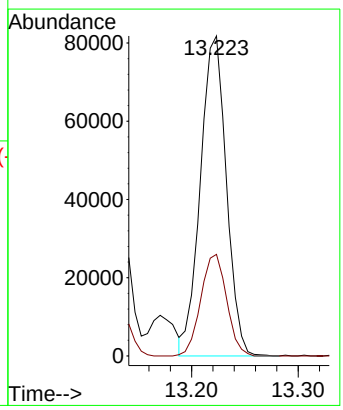


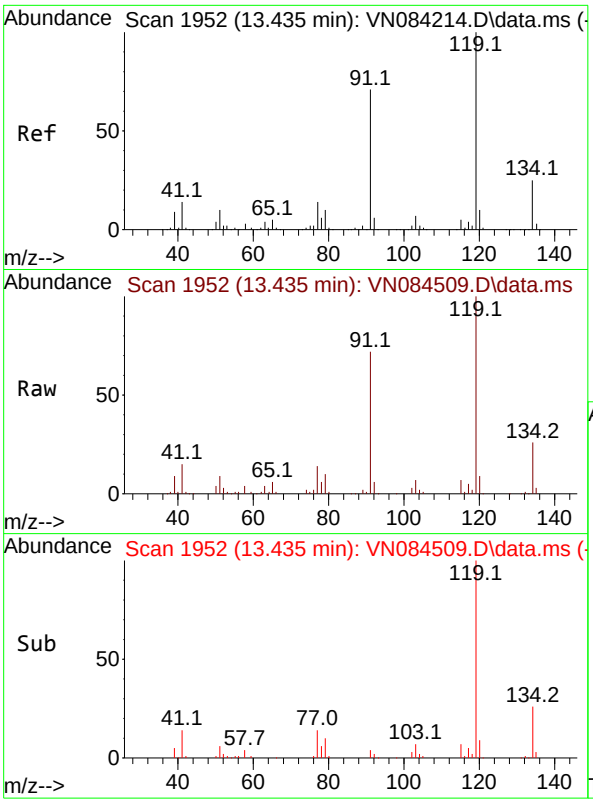


#82
4-Chlorotoluene
Concen: 18.721 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 138768

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

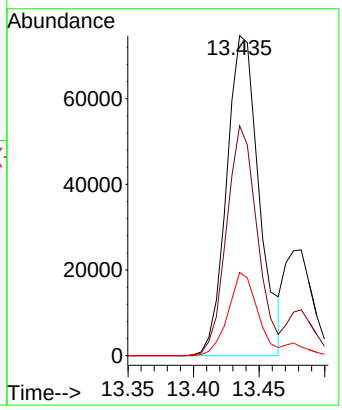




#83
tert-Butylbenzene
Concen: 17.811 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:119 Resp: 12861

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	23.6	12.8	38.4



Instrument :
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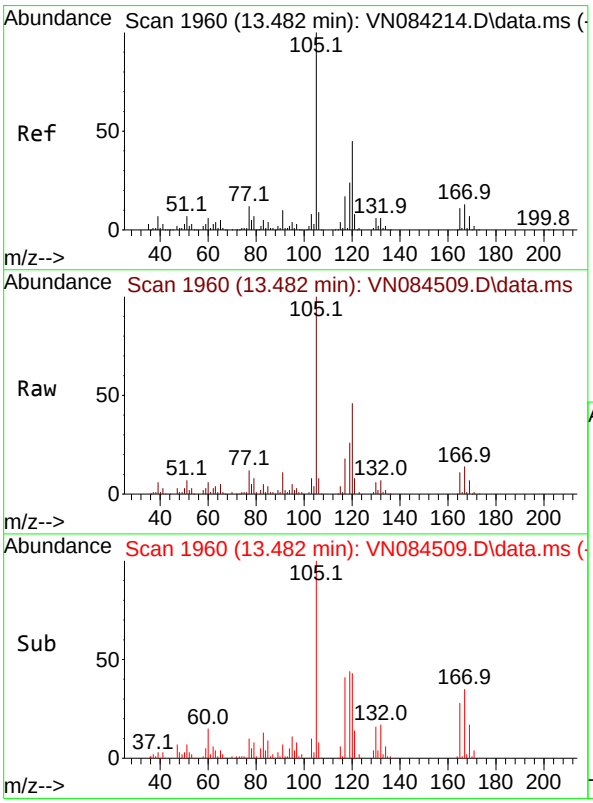
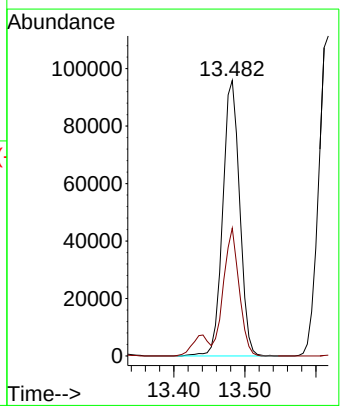
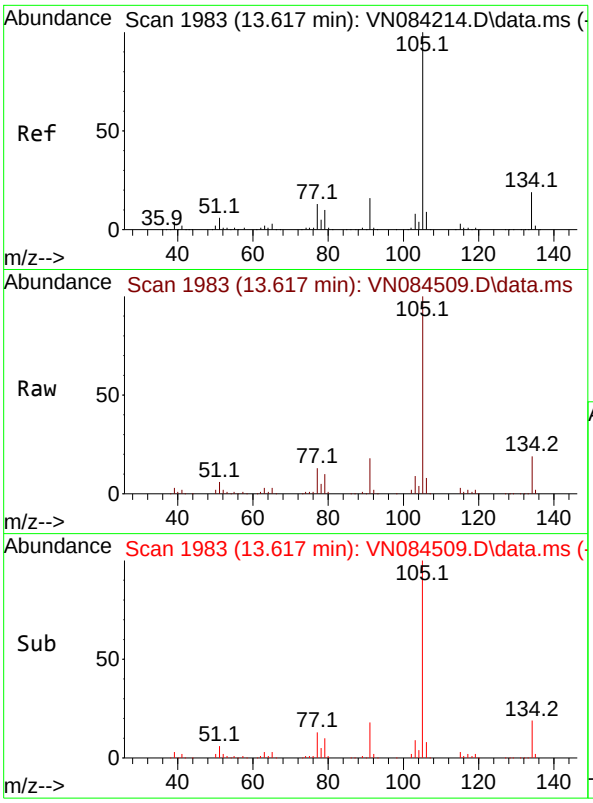


#84
1,2,4-Trimethylbenzene
Concen: 19.268 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:105 Resp: 157700

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.3	66.8





#85
sec-Butylbenzene
Concen: 18.475 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:105 Resp: 17801

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

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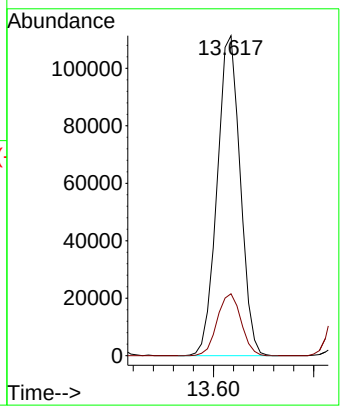
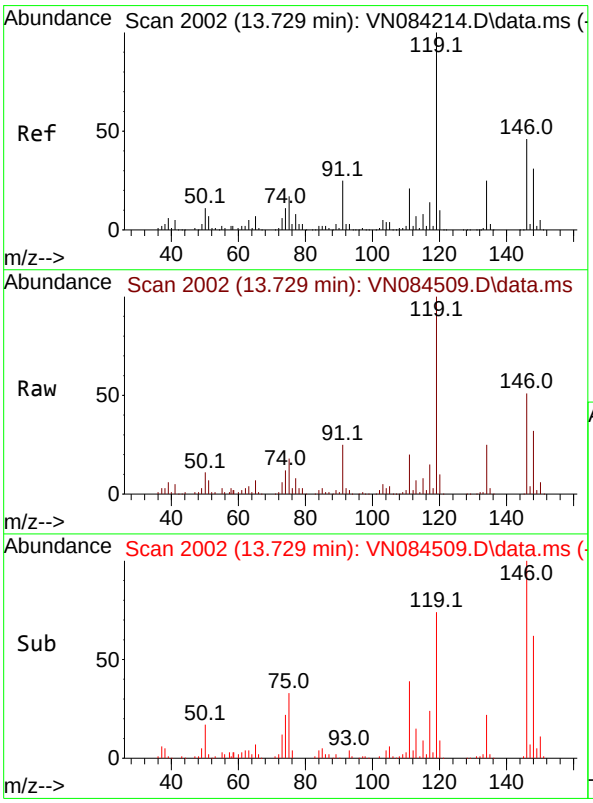
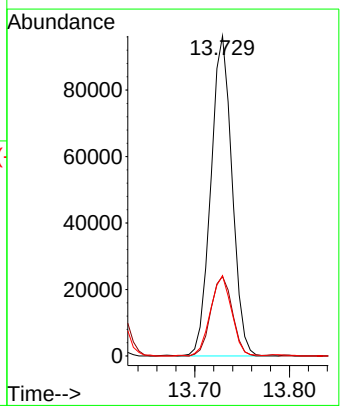


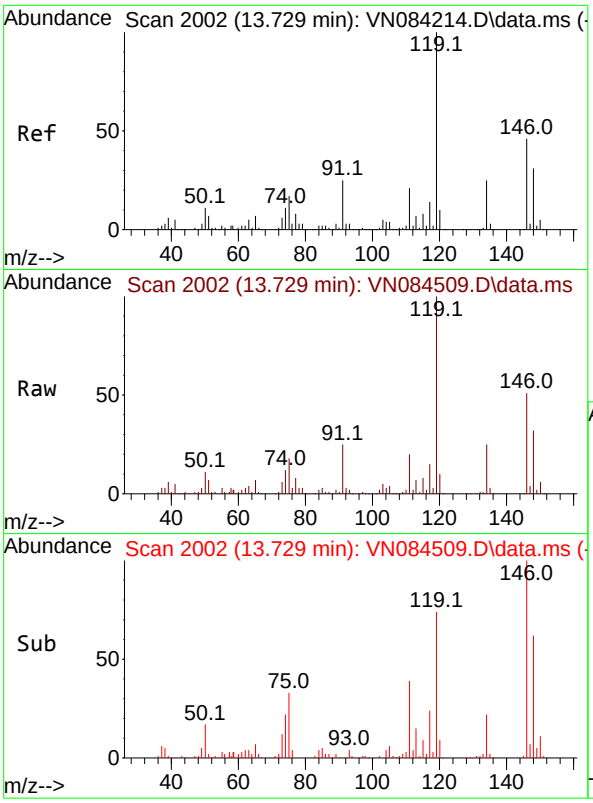


#86
p-Isopropyltoluene
Concen: 18.757 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:119 Resp: 149454

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	25.2	12.4	37.2

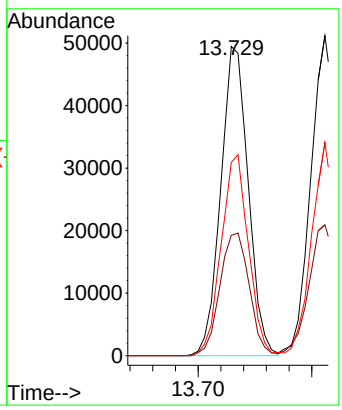




#87
1,3-Dichlorobenzene
Concen: 18.469 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:146 Resp: 8323

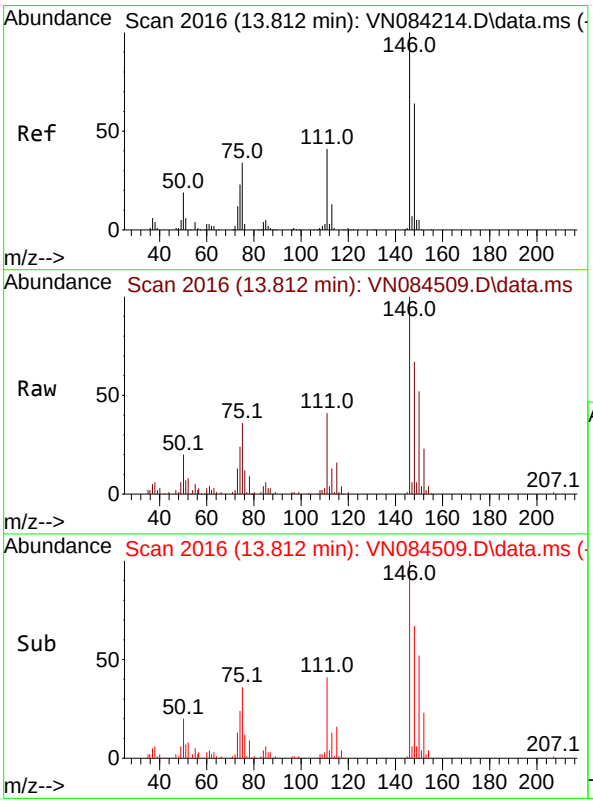
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

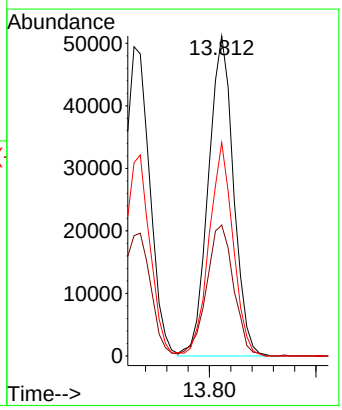
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

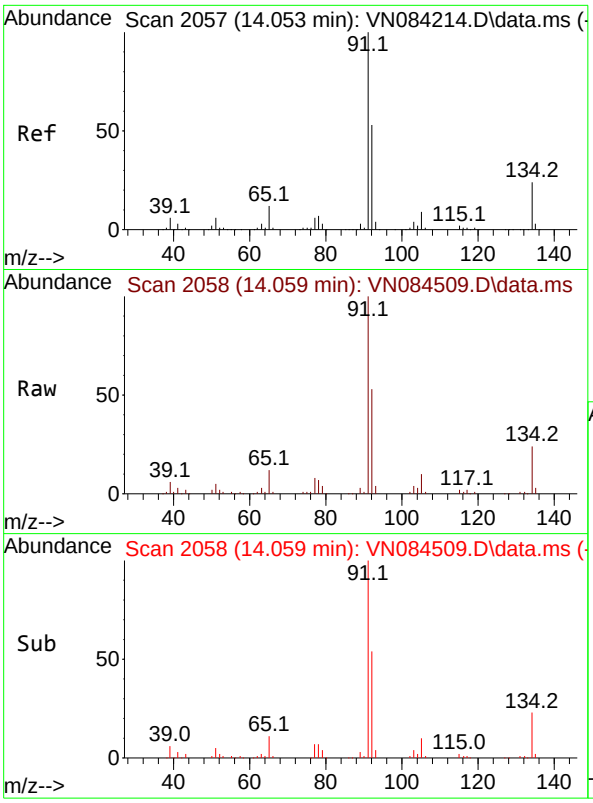


#88
1,4-Dichlorobenzene
Concen: 18.374 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:146 Resp: 83627

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.2	63.6
148	63.4	31.9	95.9

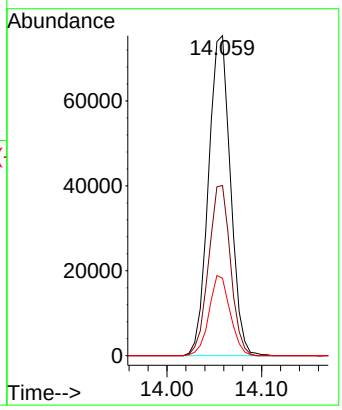




#89
n-Butylbenzene
Concen: 16.877 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 12194

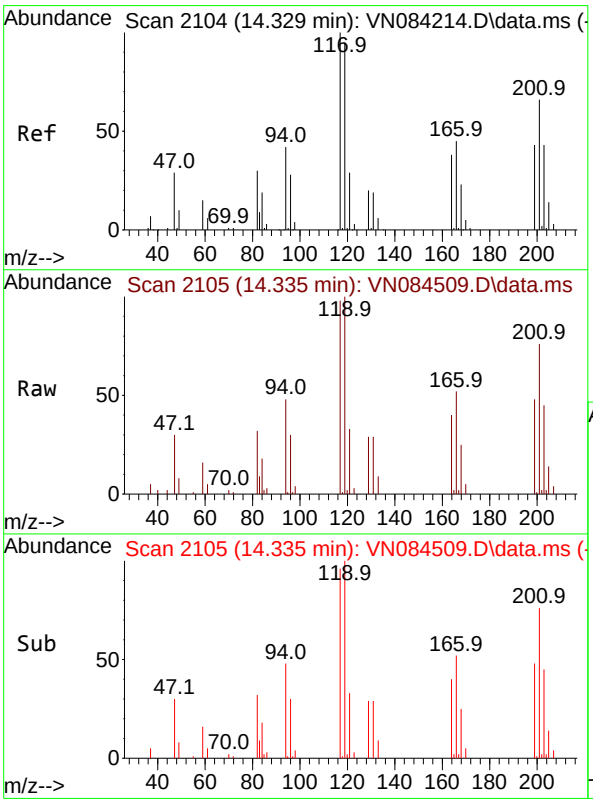
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	24.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

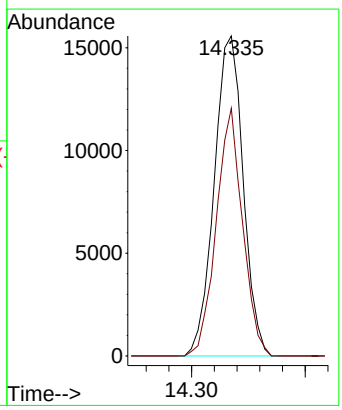
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

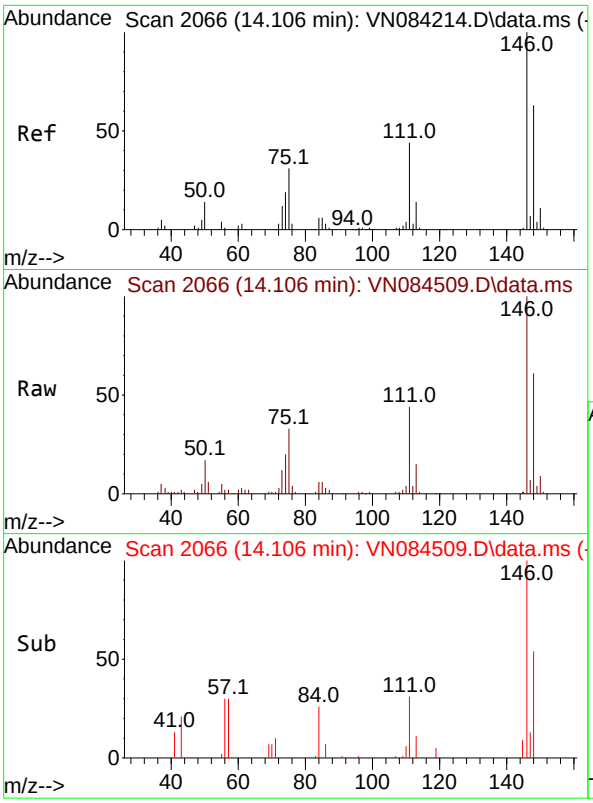


#90
Hexachloroethane
Concen: 17.049 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:117 Resp: 27574

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.4	103.2

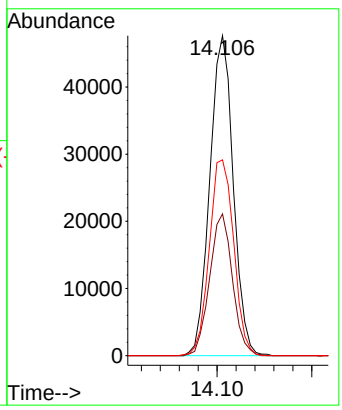




#91
1,2-Dichlorobenzene
Concen: 18.501 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:146 Resp: 8176

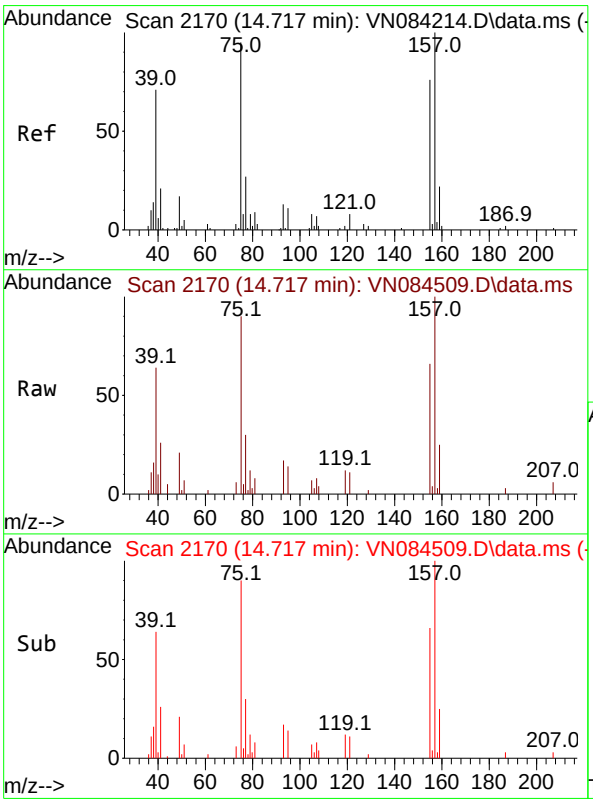
Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

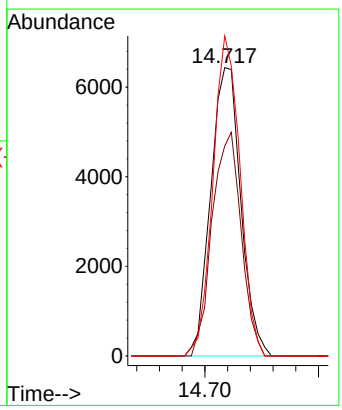
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

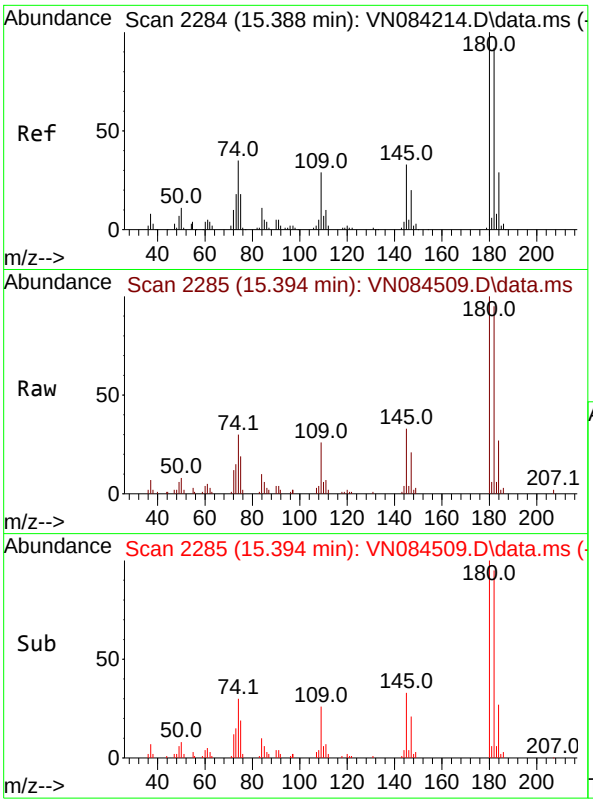


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.184 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 11856

Ion	Ratio	Lower	Upper
75	100		
155	74.5	38.1	114.5
157	99.8	49.6	149.0

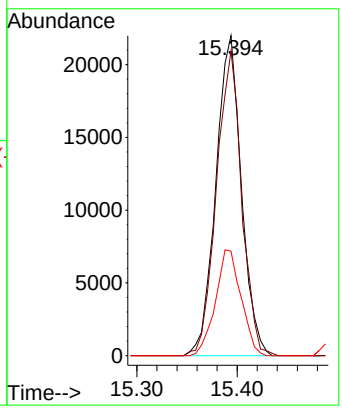




#93
1,2,4-Trichlorobenzene
Concen: 17.806 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:180 Resp: 3875

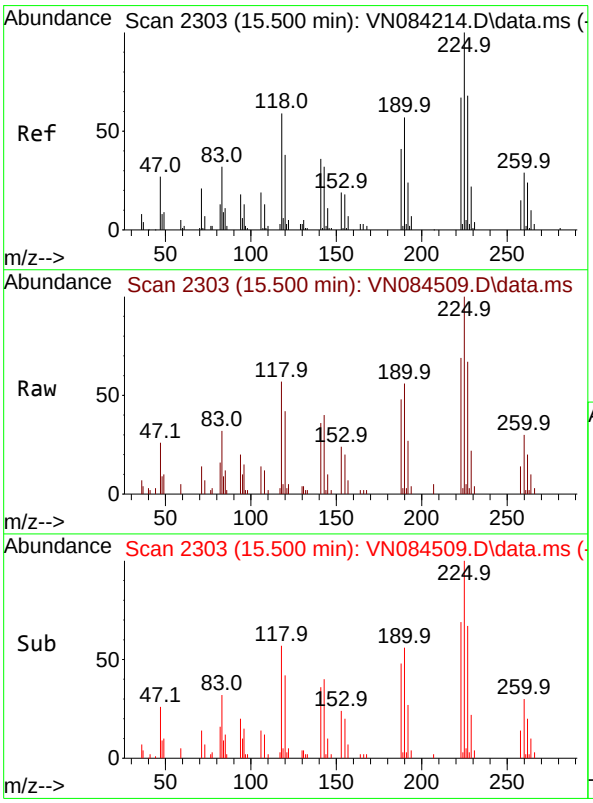
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.1	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

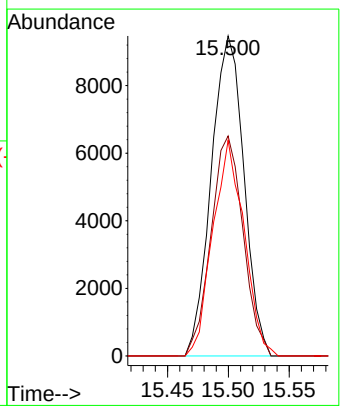
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024

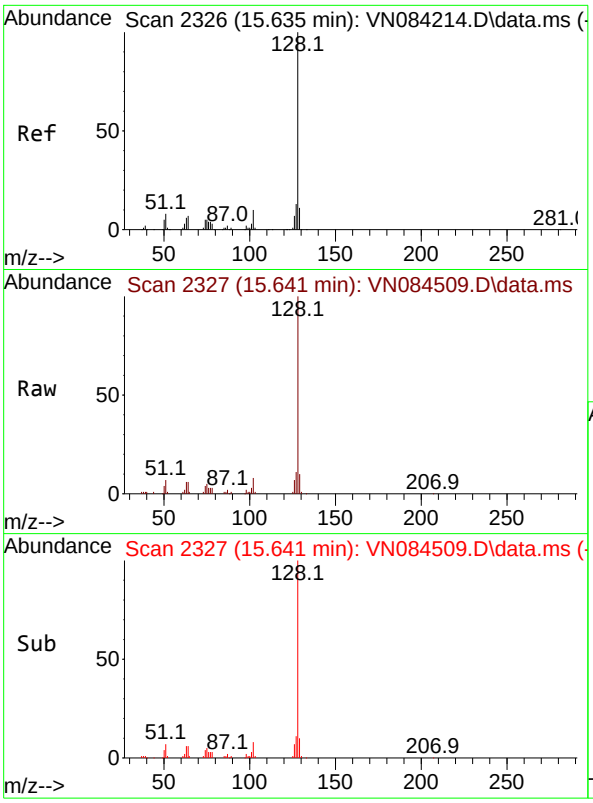


#94
Hexachlorobutadiene
Concen: 16.280 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:225 Resp: 17672

Ion	Ratio	Lower	Upper
225	100		
223	67.5	32.4	97.2
227	64.5	32.4	97.0

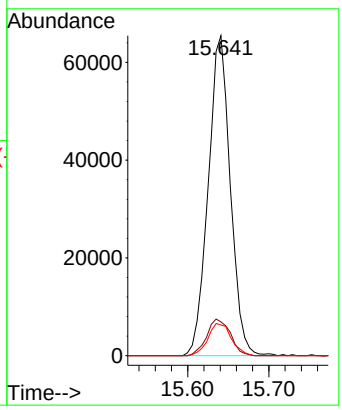




#95
Naphthalene
Concen: 17.177 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:128 Resp: 12395

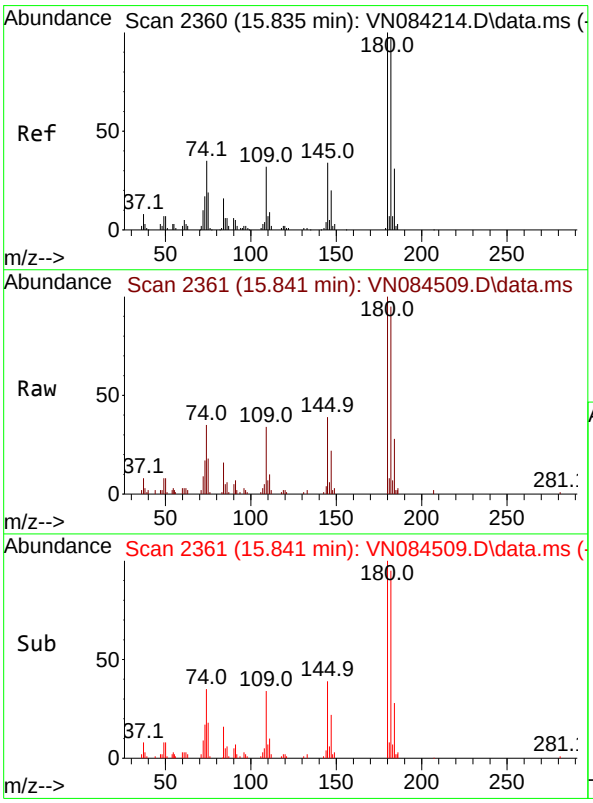
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Manual Integrations
APPROVED

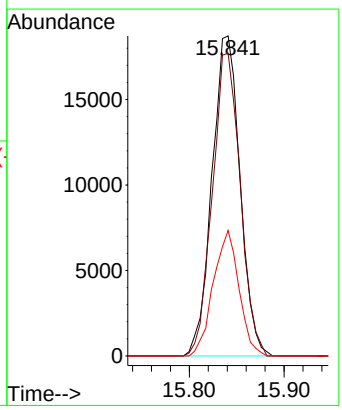
Reviewed By :Semsettin Yesilyurt 10/28/2024
Supervised By :Mahesh Dadoda 10/28/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.640 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:180 Resp: 38435

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.2	144.6
145	36.0	17.3	51.9



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:	VN1028WBS01	SDG No.:	P4550
Lab Sample ID:	VN1028WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084532.D	1		10/28/24 12:18	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.8		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	98.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.8		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	98.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	21.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	21.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	21.7		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	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:	VN1028WBS01	SDG No.:	P4550
Lab Sample ID:	VN1028WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084532.D	1		10/28/24 12:18	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	22.4		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.7		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	42.2		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	21.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	21.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	22.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	56.4		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	53.9		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	8.224				
540-36-3	1,4-Difluorobenzene	267000	9.1				
3114-55-4	Chlorobenzene-d5	240000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122667	52.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.780%			
35) Dibromofluoromethane	8.165	113	99307	56.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.900%			
50) Toluene-d8	10.565	98	348548	53.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.847	95	132937	56.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32114	17.192	ug/l	97
3) Chloromethane	2.359	50	38936	18.255	ug/l	97
4) Vinyl Chloride	2.512	62	38348	18.562	ug/l	96
5) Bromomethane	2.959	94	25637	18.813	ug/l	93
6) Chloroethane	3.124	64	24820	16.775	ug/l	91
7) Trichlorofluoromethane	3.501	101	65549	20.375	ug/l	97
8) Diethyl Ether	3.959	74	23136	19.390	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	38968	21.139	ug/l	99
10) Methyl Iodide	4.589	142	44622	18.797	ug/l	94
11) Tert butyl alcohol	5.530	59	34117	88.367	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	35338	19.875	ug/l	88
13) Acrolein	4.177	56	44580	100.579	ug/l	98
14) Allyl chloride	5.024	41	55050	17.827	ug/l	96
15) Acrylonitrile	5.712	53	99064	101.607	ug/l	100
16) Acetone	4.424	43	99525	98.948	ug/l	99
17) Carbon Disulfide	4.712	76	94208	16.735	ug/l	99
18) Methyl Acetate	5.030	43	50881	23.209	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	119740	19.953	ug/l	99
20) Methylene Chloride	5.277	84	42221	20.650	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	37489	20.125	ug/l	94
22) Diisopropyl ether	6.671	45	130862	20.488	ug/l	98
23) Vinyl Acetate	6.606	43	444486	93.823	ug/l	99
24) 1,1-Dichloroethane	6.571	63	74124	20.752	ug/l	99
25) 2-Butanone	7.483	43	134417	98.117	ug/l	99
26) 2,2-Dichloropropane	7.489	77	65625	20.376	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44862	19.930	ug/l	99
28) Bromochloromethane	7.812	49	27270	17.111	ug/l	96
29) Tetrahydrofuran	7.841	42	84458	99.900	ug/l	98
30) Chloroform	7.965	83	79062	21.308	ug/l	91
31) Cyclohexane	8.259	56	61230	17.655	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	69025	20.714	ug/l	96
36) 1,1-Dichloropropene	8.365	75	52411	20.510	ug/l	98
37) Ethyl Acetate	7.559	43	52784	20.135	ug/l	99
38) Carbon Tetrachloride	8.359	117	59224	21.128	ug/l	99
39) Methylcyclohexane	9.600	83	53950	18.970	ug/l	100
40) Benzene	8.606	78	171367	21.524	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	27383	19.240	ug/l		95
42) 1,2-Dichloroethane	8.671	62	57759	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	92418	17.998	ug/l		99
44) Trichloroethene	9.347	130	39058	21.005	ug/l		99
45) 1,2-Dichloropropane	9.618	63	41968	22.283	ug/l		98
46) Dibromomethane	9.706	93	29527	23.232	ug/l		100
47) Bromodichloromethane	9.888	83	61153	21.657	ug/l		98
48) Methyl methacrylate	9.677	41	39957	19.548	ug/l		100
49) 1,4-Dioxane	9.694	88	15204	404.028	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	270071	108.219	ug/l		99
52) Toluene	10.624	92	105264	21.682	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	59595	20.704	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	64963	20.983	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	39178	22.510	ug/l		94
56) Ethyl methacrylate	10.871	69	58496	20.426	ug/l		98
57) 1,3-Dichloropropane	11.159	76	68464	22.014	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	130997	98.604	ug/l		97
59) 2-Hexanone	11.194	43	198387	106.359	ug/l		98
60) Dibromochloromethane	11.359	129	46083	22.409	ug/l		97
61) 1,2-Dibromoethane	11.471	107	39773	21.992	ug/l		99
64) Tetrachloroethene	11.100	164	36325	21.772	ug/l		97
65) Chlorobenzene	11.888	112	109772	20.668	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	39484	21.583	ug/l		99
67) Ethyl Benzene	11.959	91	188566	20.076	ug/l		99
68) m/p-Xylenes	12.071	106	146769	42.242	ug/l		100
69) o-Xylene	12.394	106	68929	20.969	ug/l		99
70) Styrene	12.412	104	119311	21.428	ug/l		98
71) Bromoform	12.576	173	29779	22.110	ug/l	#	99
73) Isopropylbenzene	12.694	105	174051	18.880	ug/l		100
74) N-amyl acetate	12.494	43	72933	17.471	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	56742	20.470	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	44770m	18.153	ug/l		
77) Bromobenzene	12.976	156	45153	20.306	ug/l		95
78) n-propylbenzene	13.035	91	210273	19.687	ug/l		99
79) 2-Chlorotoluene	13.123	91	131454	19.288	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	151668	20.169	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	19152m	18.617	ug/l		
82) 4-Chlorotoluene	13.218	91	135824	19.797	ug/l		100
83) tert-Butylbenzene	13.435	119	120577	18.041	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	156050	20.600	ug/l		98
85) sec-Butylbenzene	13.612	105	175698	19.700	ug/l		99
86) p-Isopropyltoluene	13.729	119	141559	19.194	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	81769	19.602	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	82250	19.525	ug/l		99
89) n-Butylbenzene	14.053	91	121202	18.124	ug/l		99
90) Hexachloroethane	14.329	117	27906	18.641	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	79959	19.548	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10597	18.526	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	38140	18.931	ug/l		98
94) Hexachlorobutadiene	15.500	225	18784	18.695	ug/l		97
95) Naphthalene	15.641	128	111821	16.742	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	37173	18.432	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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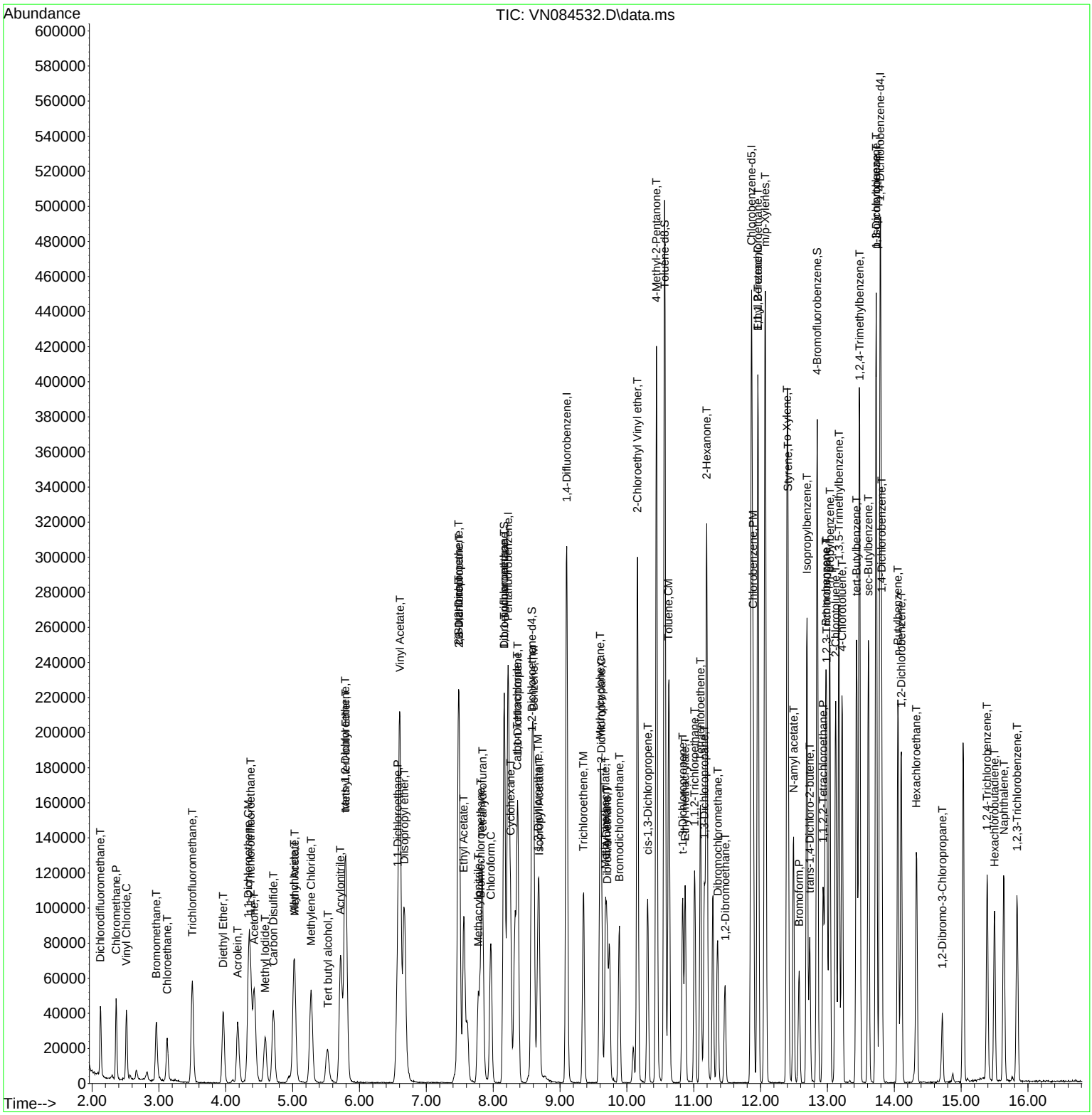
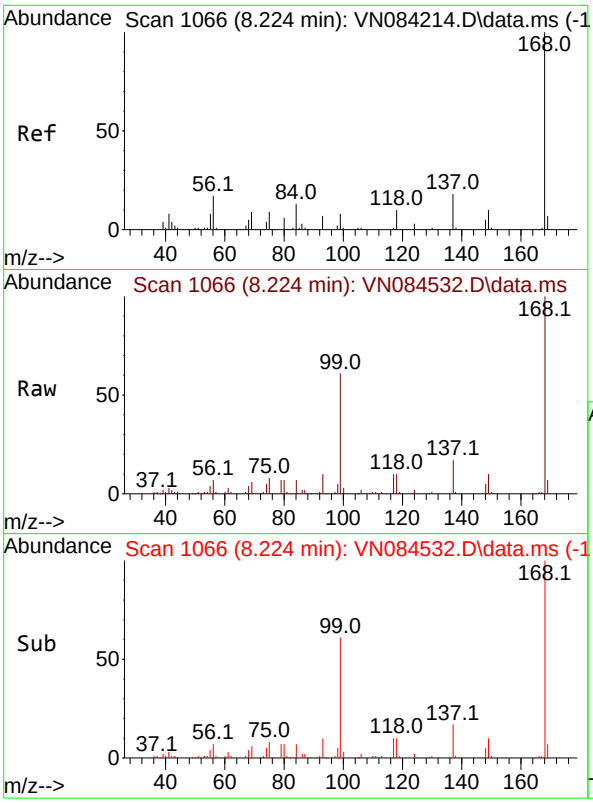
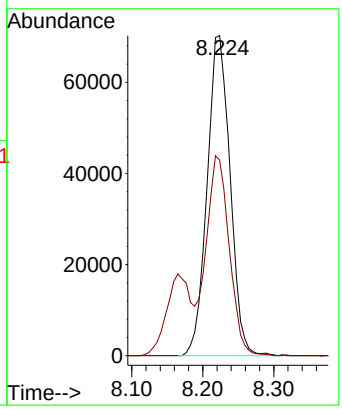




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:168 Resp: 15791

Ion	Ratio	Lower	Upper
168	100		
99	61.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

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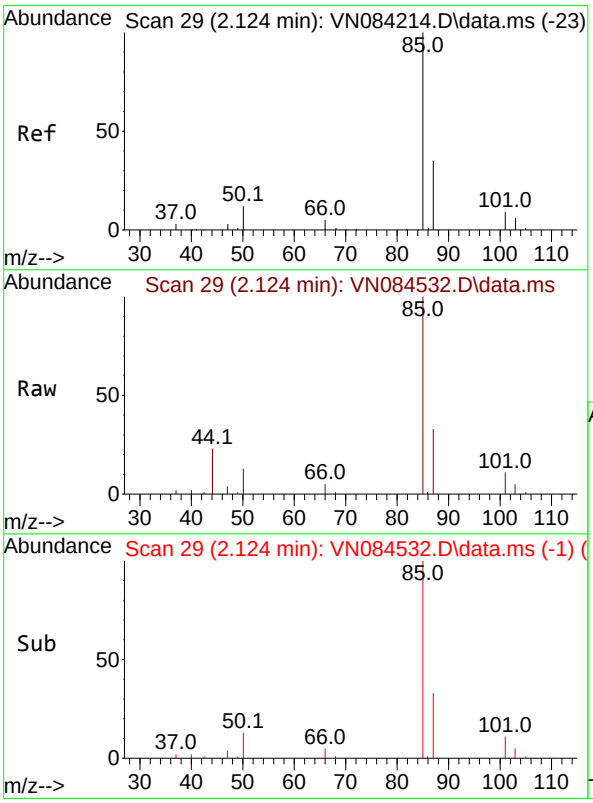
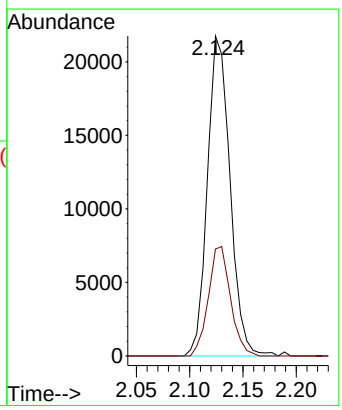
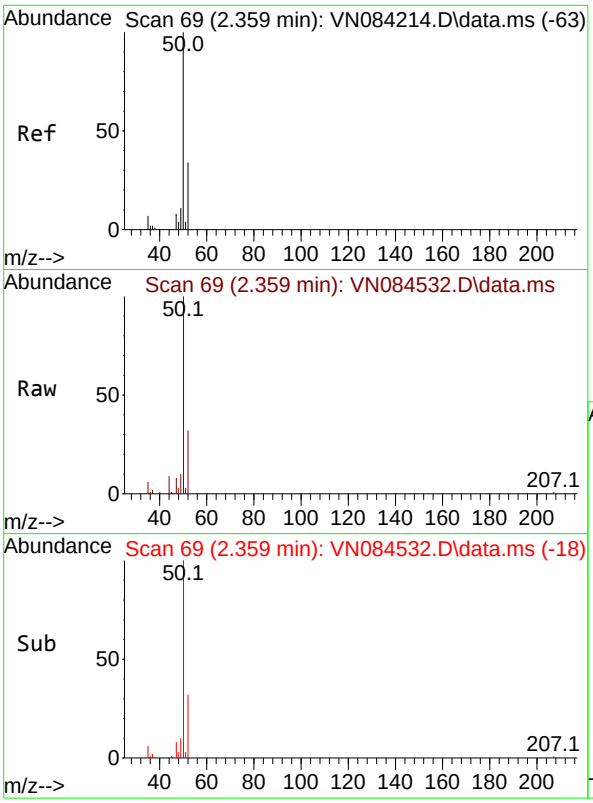


#2
Dichlorodifluoromethane
Concen: 17.192 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 85 Resp: 32114

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.6	52.9

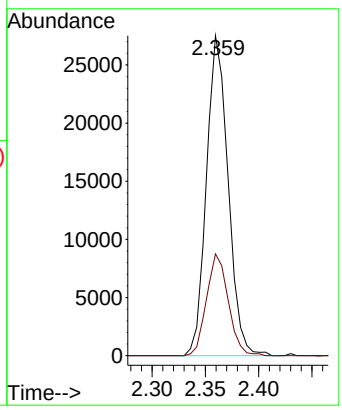




#3
Chloromethane
Concen: 18.255 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 50 Resp: 3893

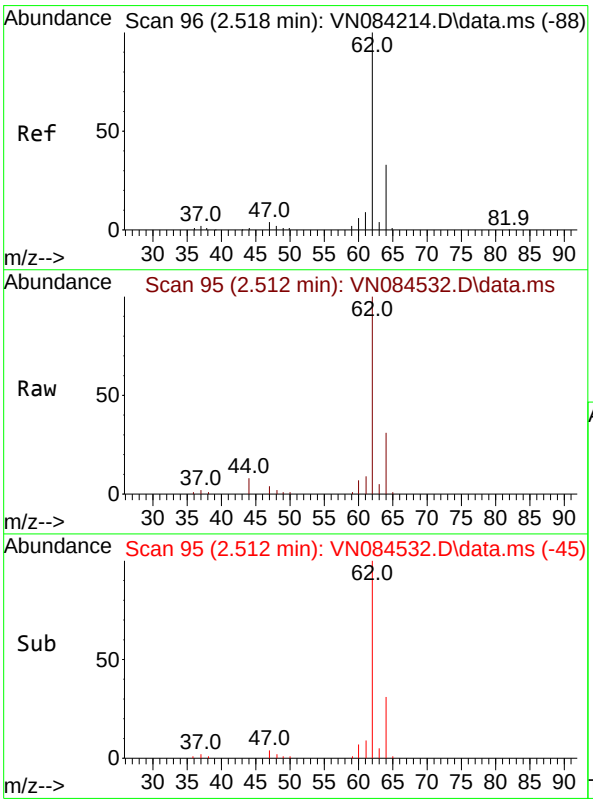
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

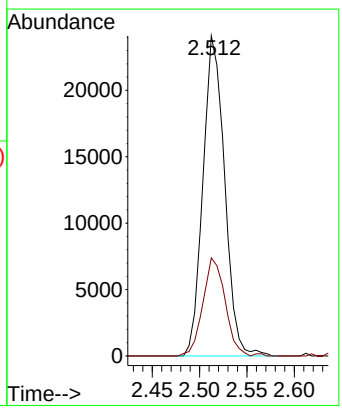
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

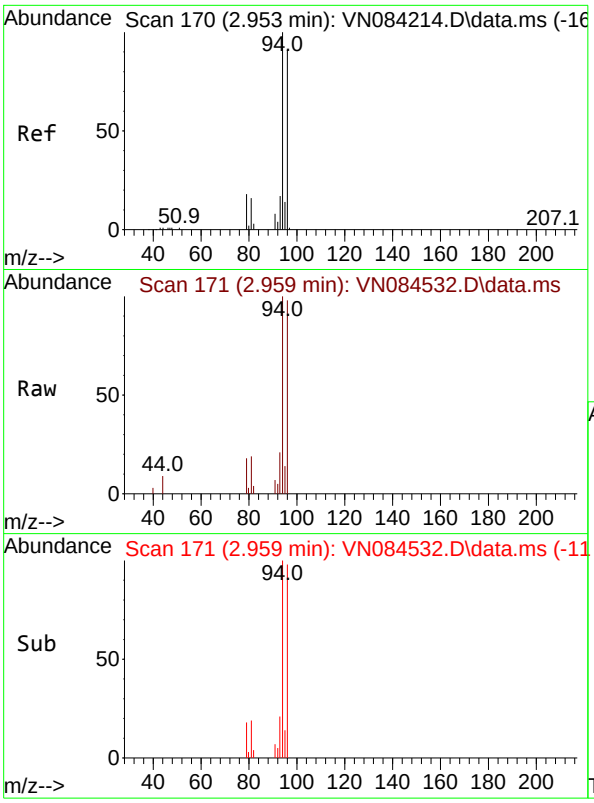


#4
Vinyl Chloride
Concen: 18.562 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 62 Resp: 38348

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4

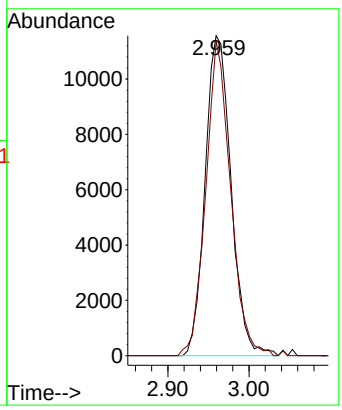




#5
Bromomethane
Concen: 18.813 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 94 Resp: 2563

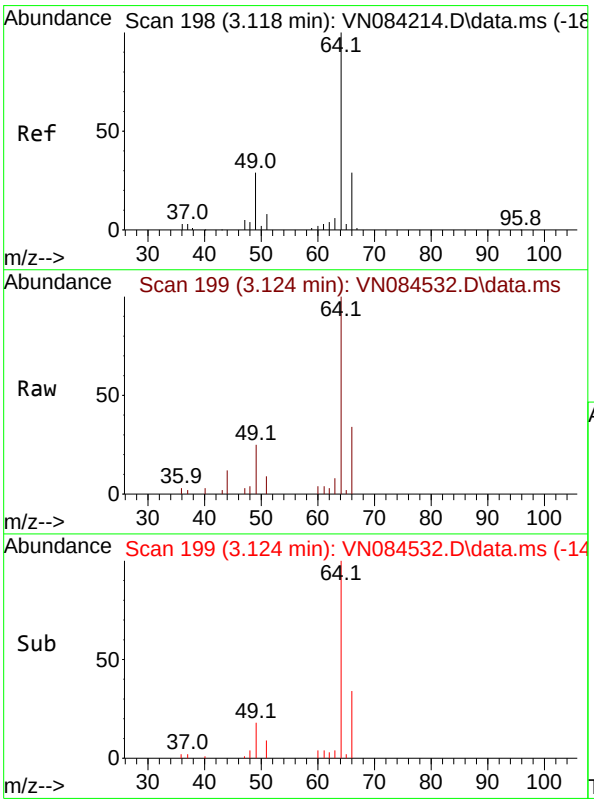
Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

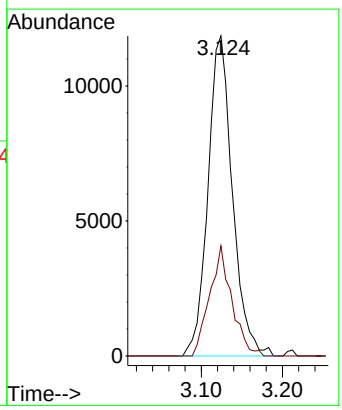
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

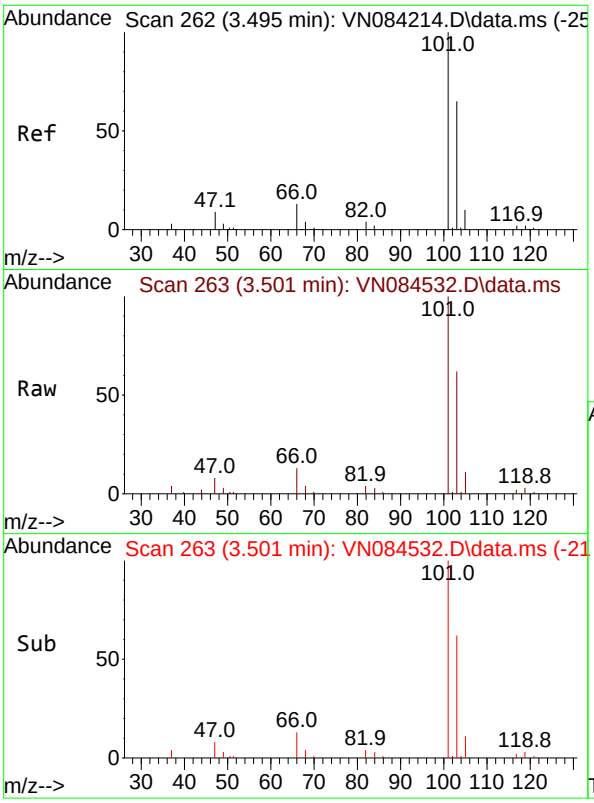


#6
Chloroethane
Concen: 16.775 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 64 Resp: 24820

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.5	35.3

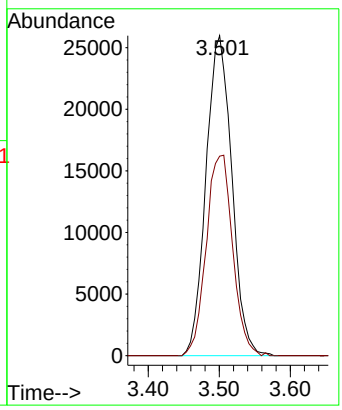




#7
Trichlorofluoromethane
Concen: 20.375 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:101 Resp: 6554

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
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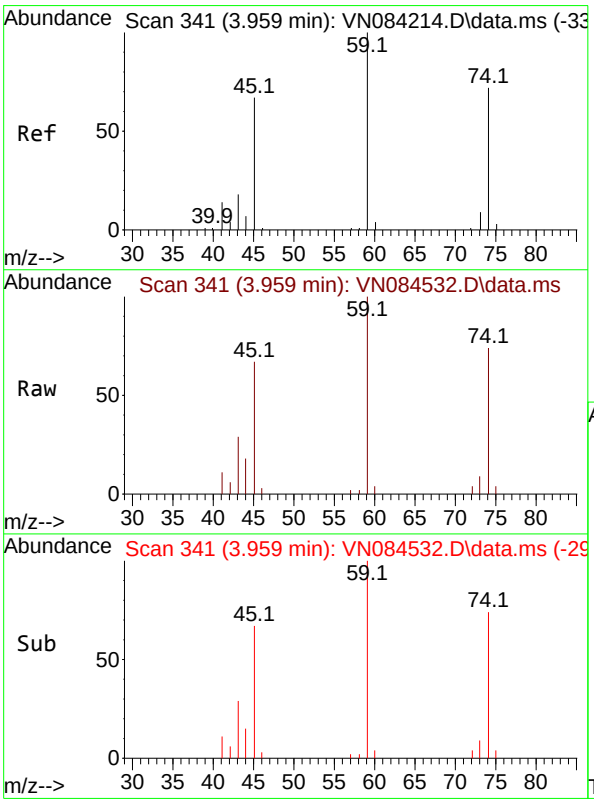
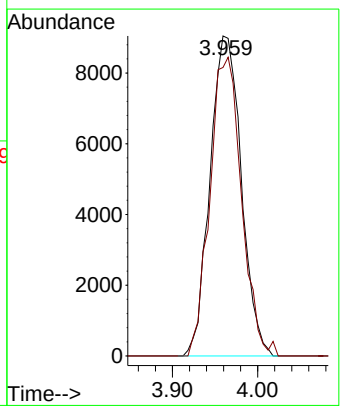
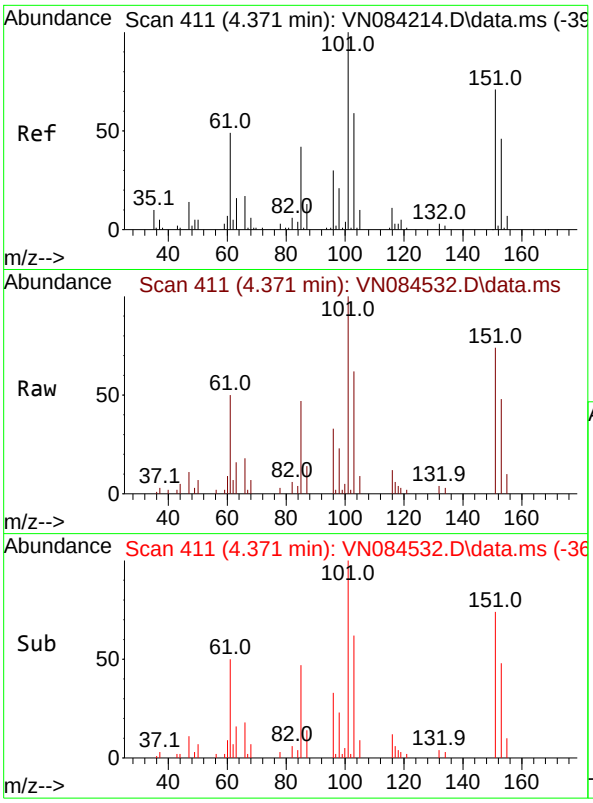


#8
Diethyl Ether
Concen: 19.390 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 74 Resp: 23136

Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.7	143.1

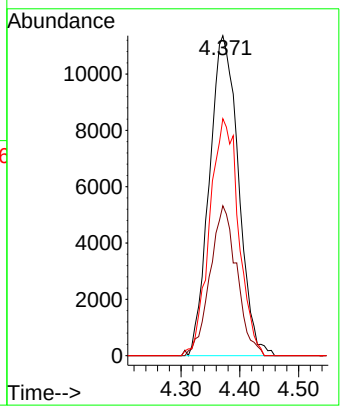




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.139 ug/l
RT: 4.371 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:101 Resp: 3896

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	73.8	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

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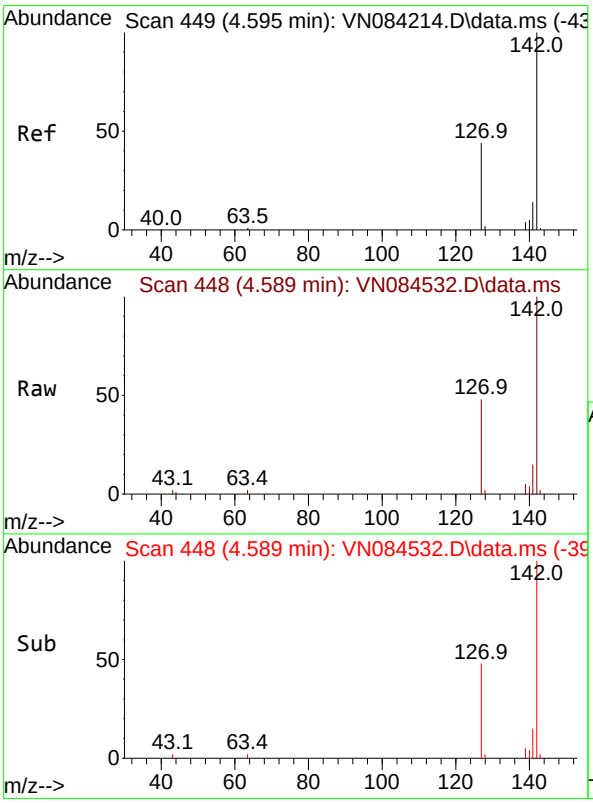
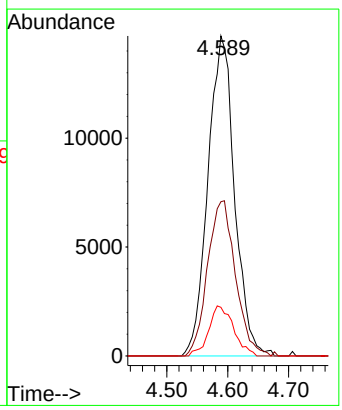
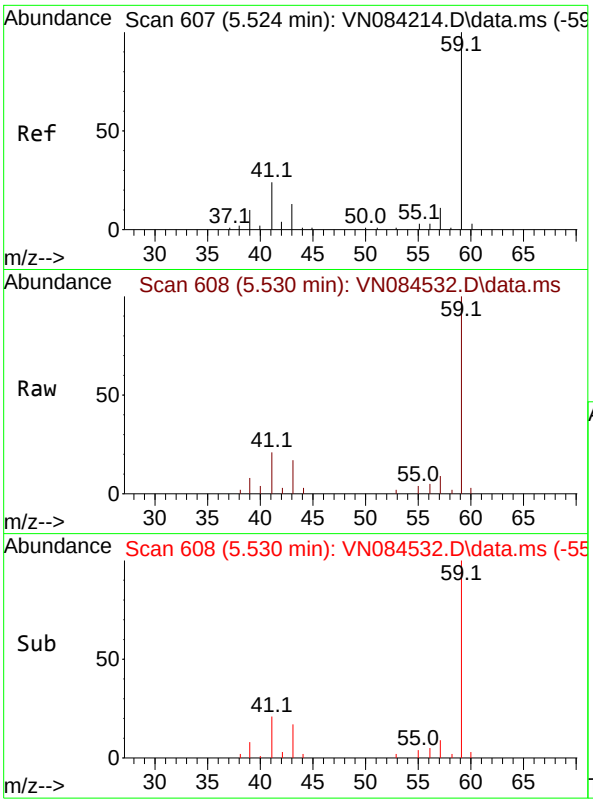


#10
Methyl Iodide
Concen: 18.797 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:142 Resp: 44622

Ion	Ratio	Lower	Upper
142	100		
127	48.2	35.3	52.9
141	15.2	11.0	16.6

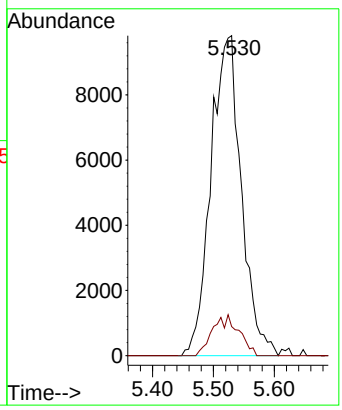




#11
Tert butyl alcohol
Concen: 88.367 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 59 Resp: 3411

Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

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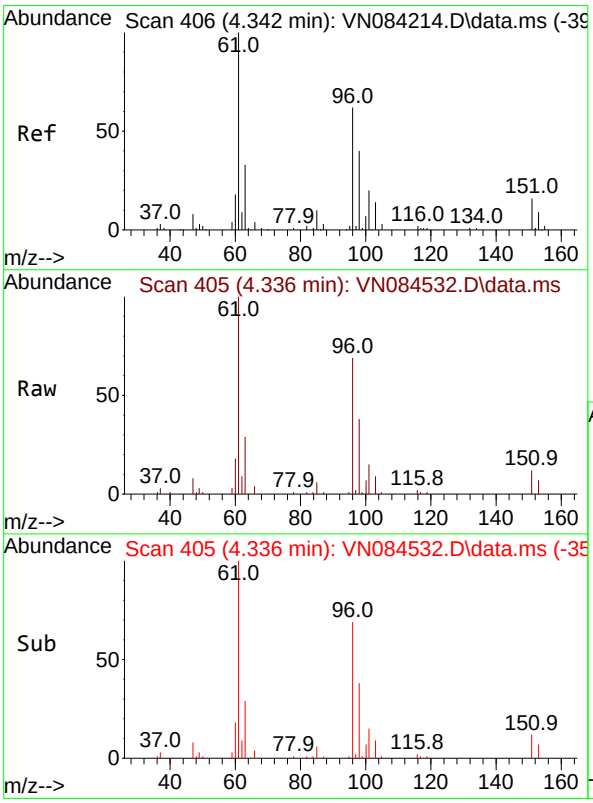
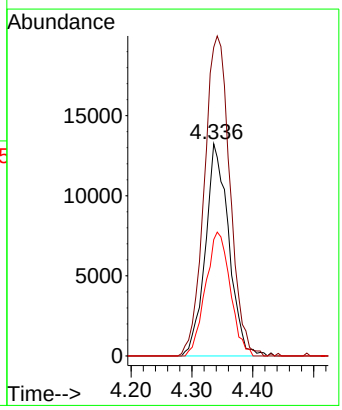
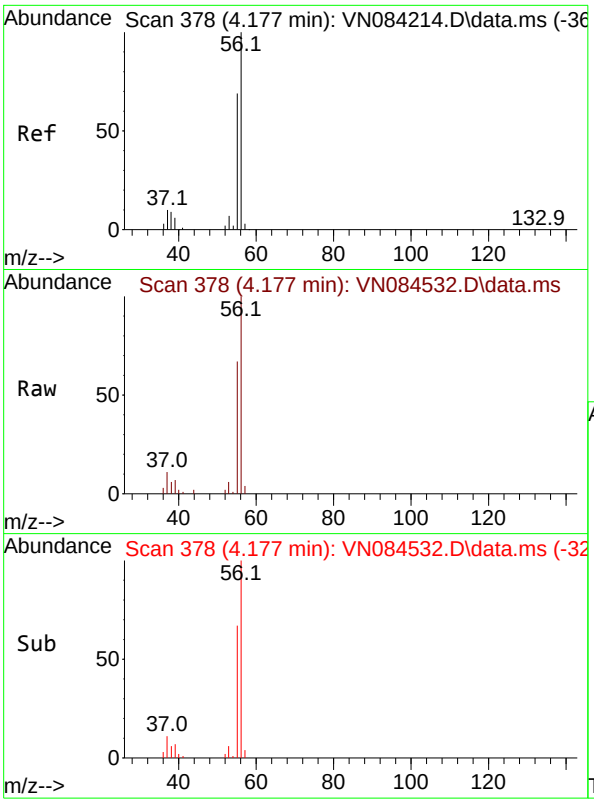


#12
1,1-Dichloroethene
Concen: 19.875 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 96 Resp: 35338

Ion	Ratio	Lower	Upper
96	100		
61	145.5	128.6	192.8
98	54.8	51.7	77.5

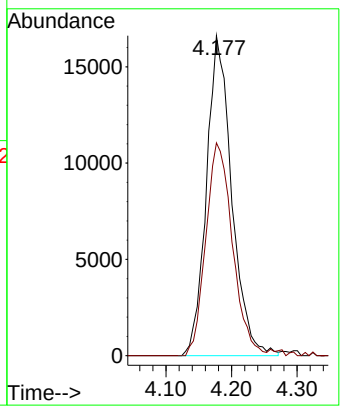




#13
Acrolein
Concen: 100.579 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 56 Resp: 4458

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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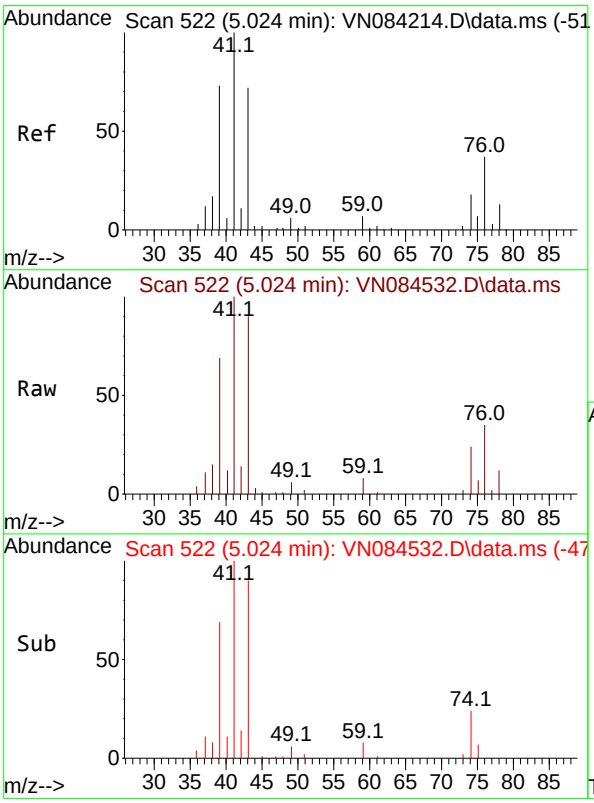
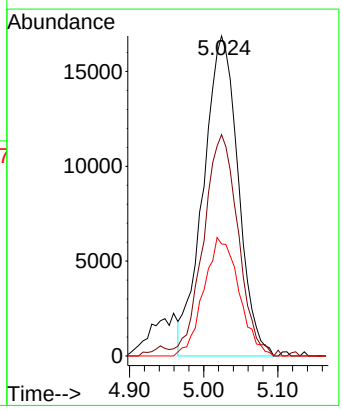
Supervised By :Semsettin Yesilyurt 10/29/2024

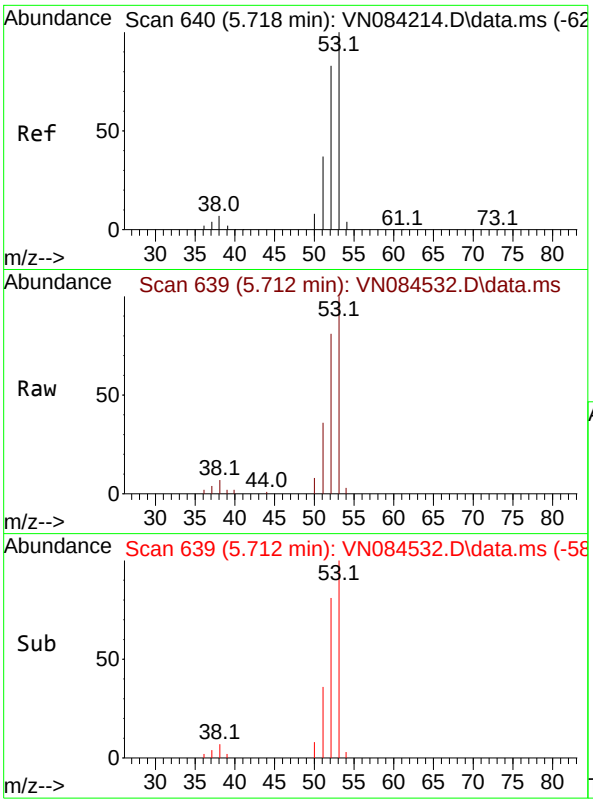


#14
Allyl chloride
Concen: 17.827 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 41 Resp: 55050

Ion	Ratio	Lower	Upper
41	100		
39	69.1	59.0	88.6
76	37.3	29.8	44.6





#15
Acrylonitrile
Concen: 101.607 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 53 Resp: 9906

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.4
51	35.8	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
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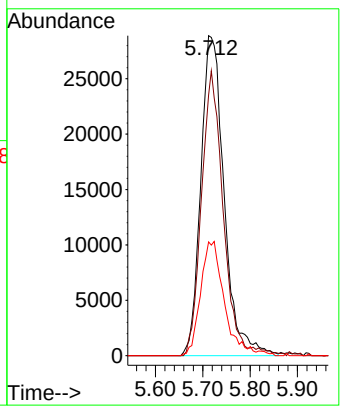
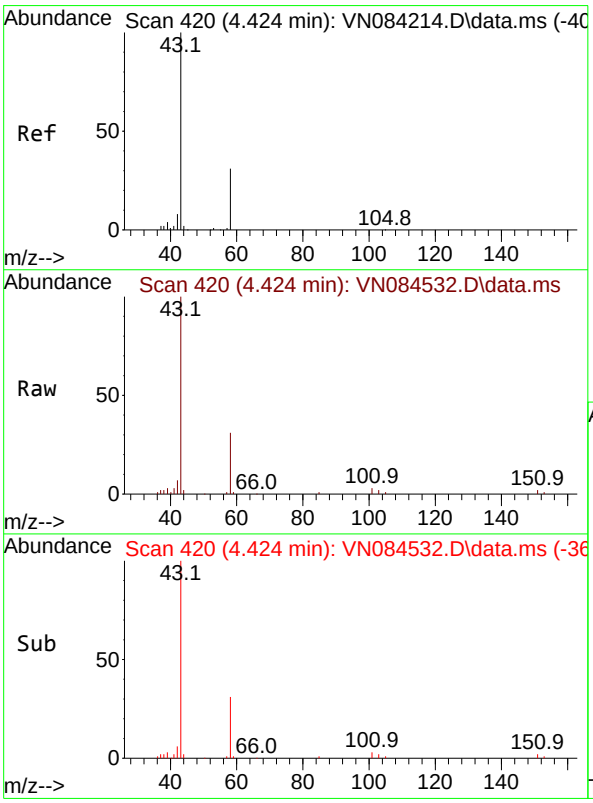
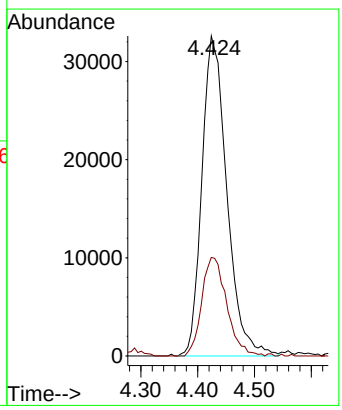


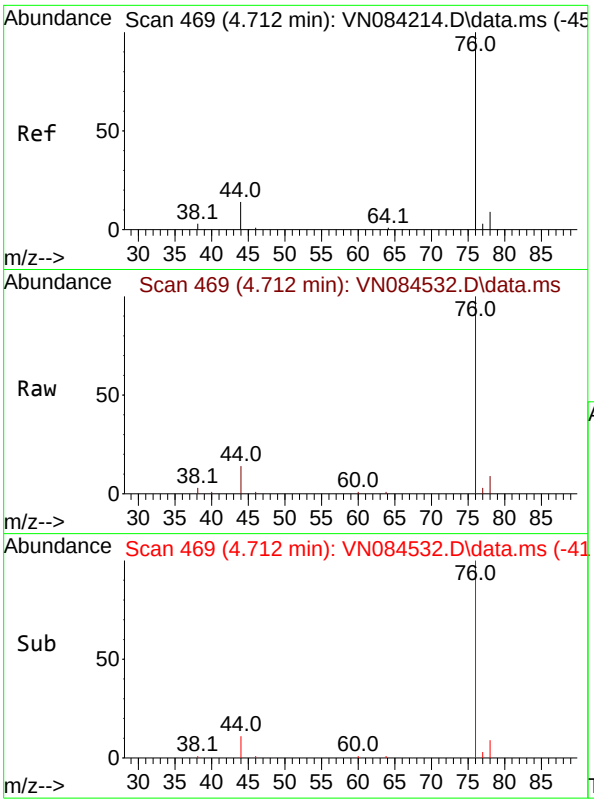


#16
Acetone
Concen: 98.948 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 99525

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.4	36.6





#17
Carbon Disulfide
Concen: 16.735 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 76 Resp: 9420

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

Instrument :
MSVOA_N
ClientSampleId :
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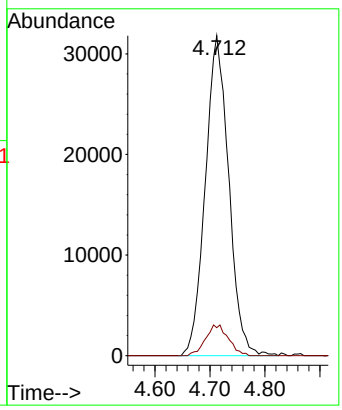
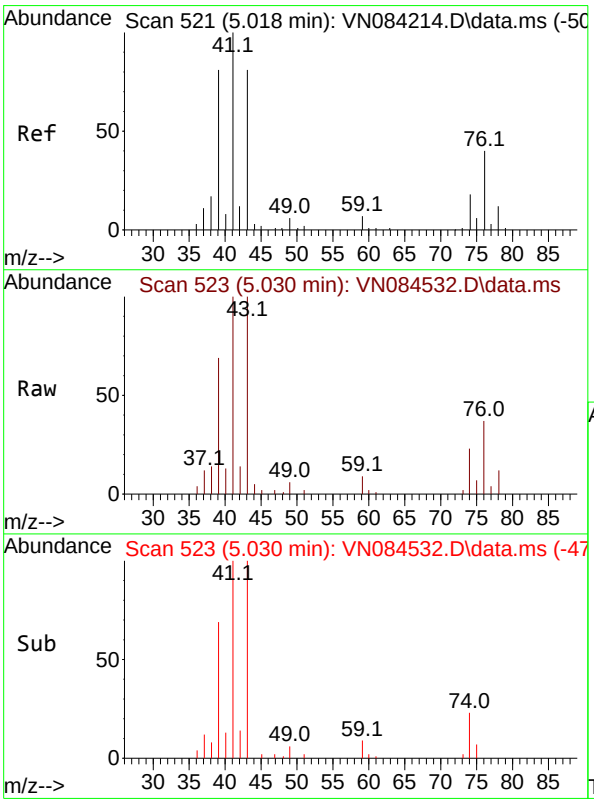
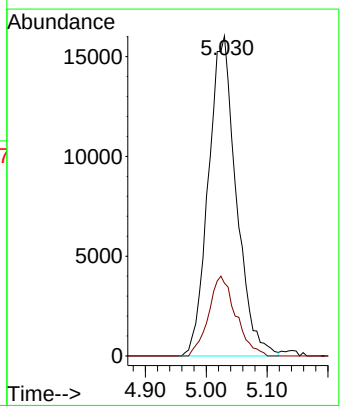


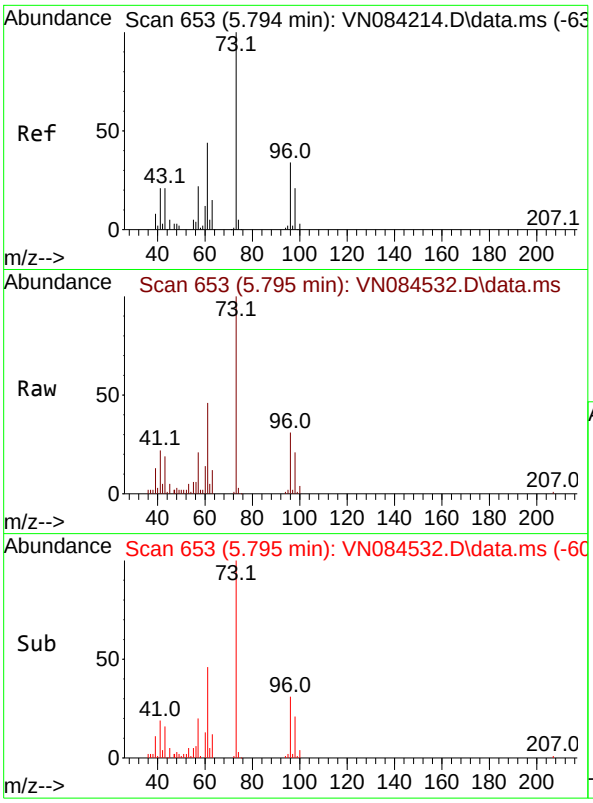


#18
Methyl Acetate
Concen: 23.209 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 50881

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





#19
Methyl tert-butyl Ether
Concen: 19.953 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 73 Resp: 11974

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5

Instrument :
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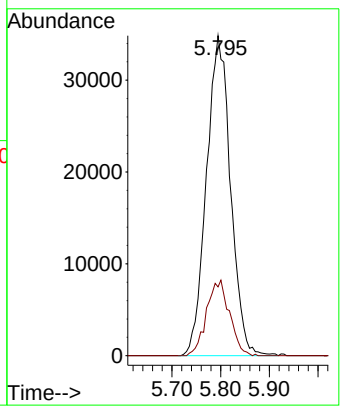
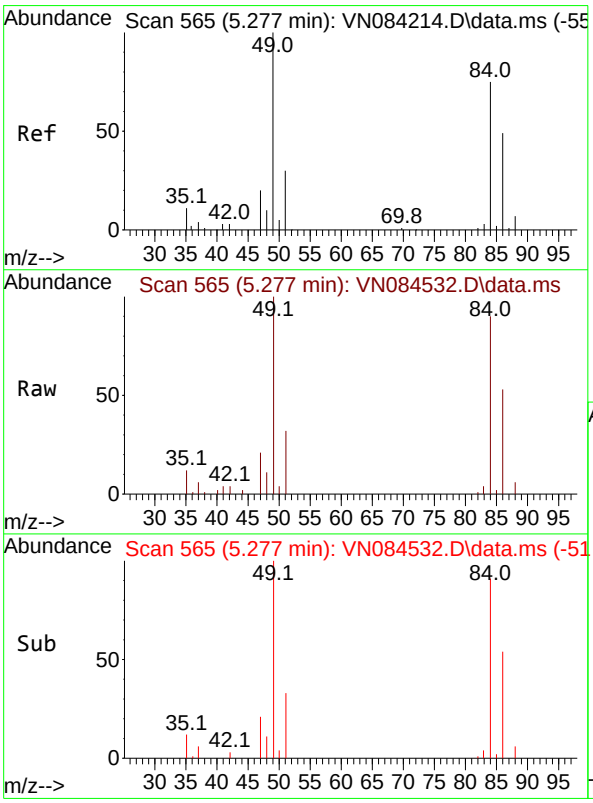
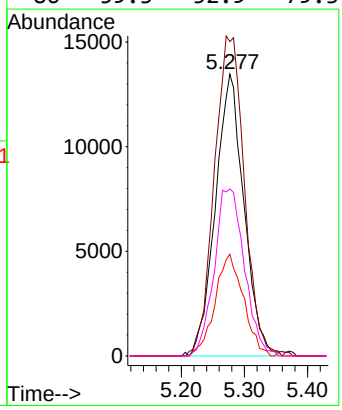


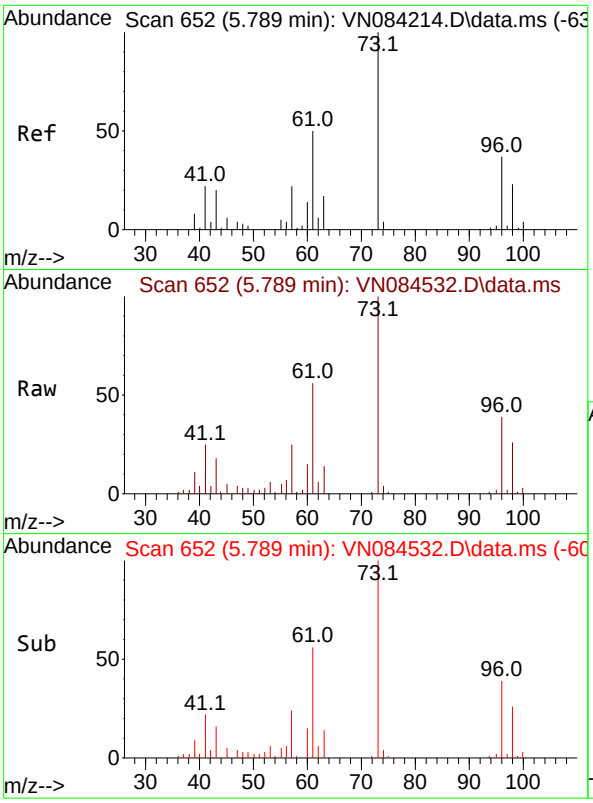


#20
Methylene Chloride
Concen: 20.650 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 84 Resp: 42221

Ion	Ratio	Lower	Upper
84	100		
49	111.6	107.2	160.8
51	36.1	31.8	47.8
86	59.3	52.9	79.3





#21
trans-1,2-Dichloroethene
Concen: 20.125 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 96 Resp: 3748

Ion	Ratio	Lower	Upper
96	100		
61	143.4	108.4	162.6
98	66.3	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
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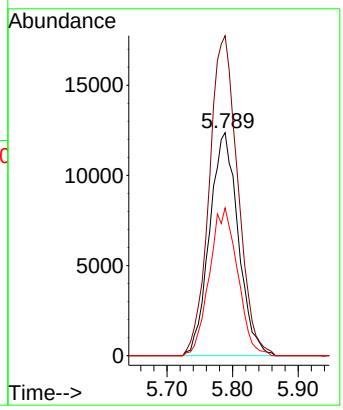
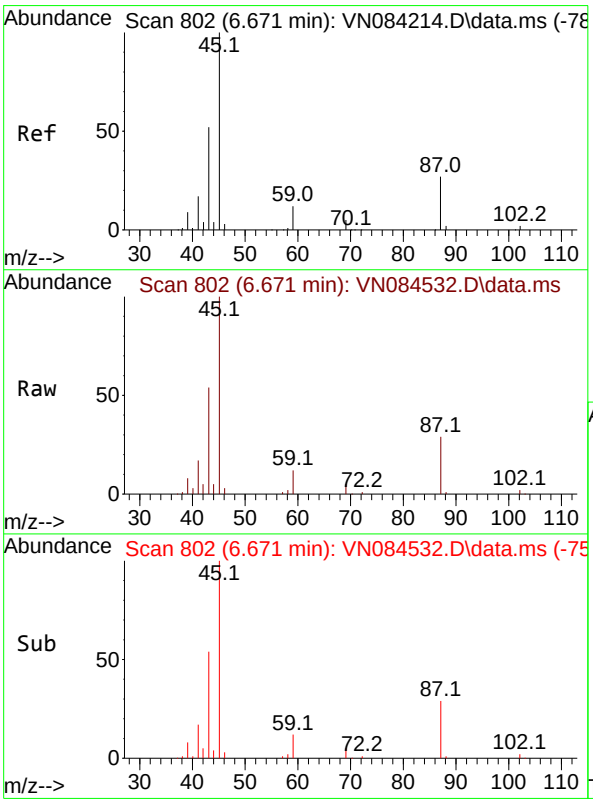
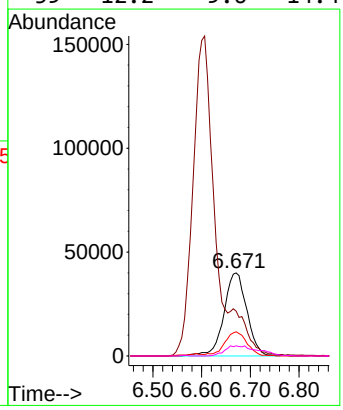


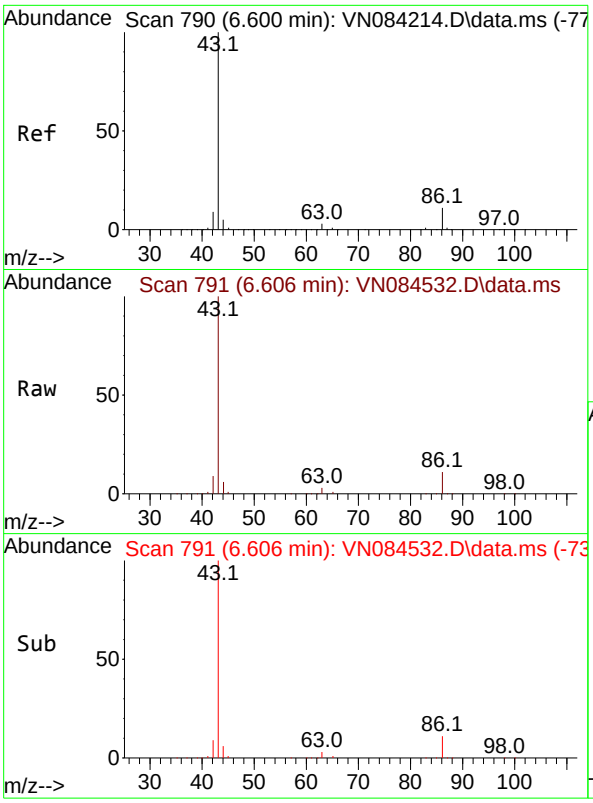


#22
Diisopropyl ether
Concen: 20.488 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 45 Resp: 130862

Ion	Ratio	Lower	Upper
45	100		
43	52.3	42.3	63.5
87	29.2	21.8	32.6
59	12.2	9.6	14.4

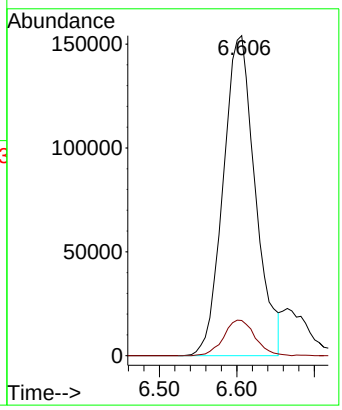




#23
Vinyl Acetate
Concen: 93.823 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 44448

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8



Instrument :
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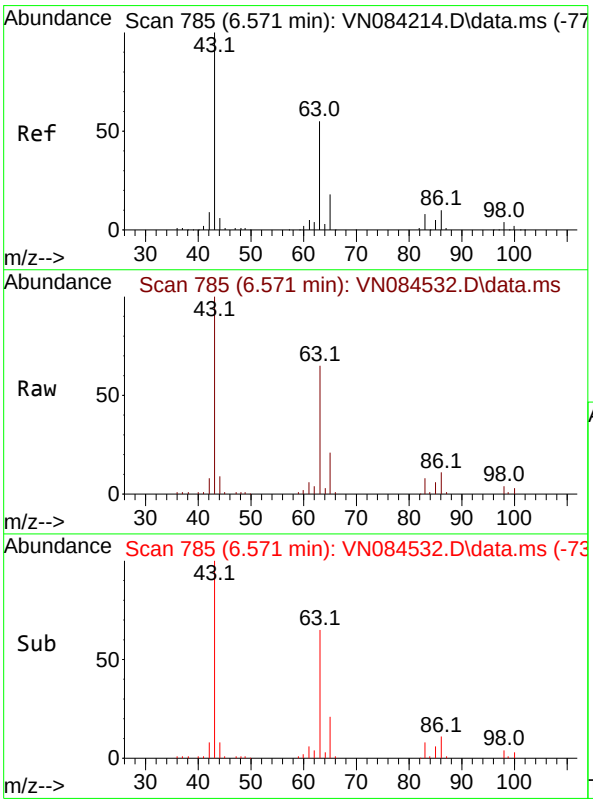
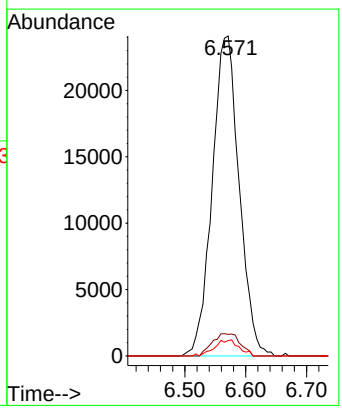
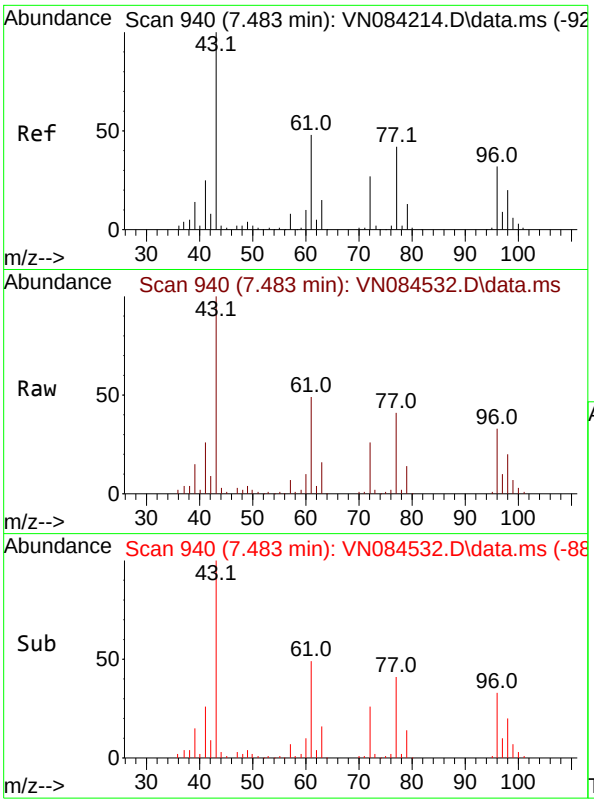


#24
1,1-Dichloroethane
Concen: 20.752 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 63 Resp: 74124

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.8	2.0	5.8

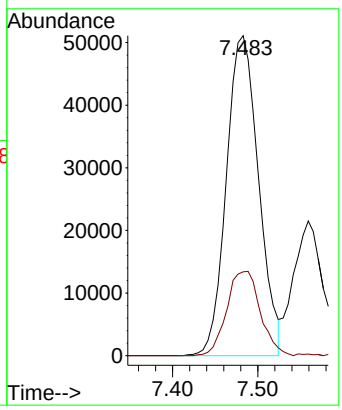




#25
2-Butanone
Concen: 98.117 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 13441

Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.4	32.2



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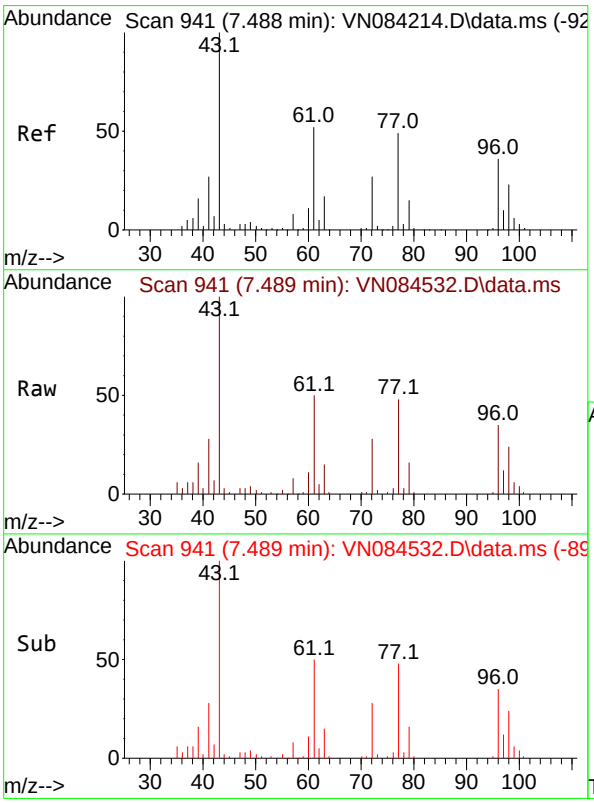
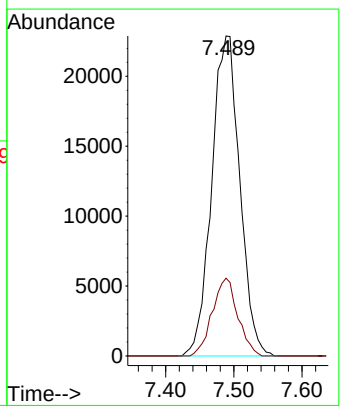
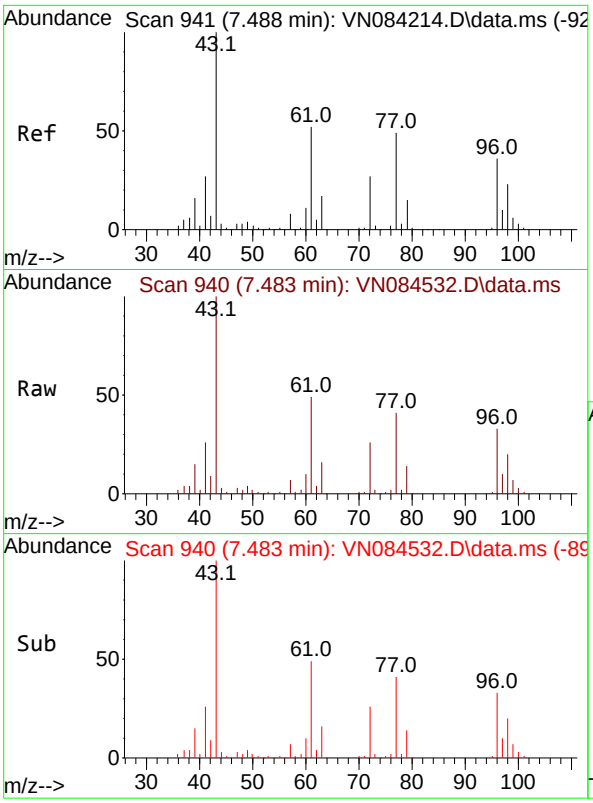


#26
2,2-Dichloropropane
Concen: 20.376 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 77 Resp: 65625

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 19.930 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 96 Resp: 4486

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	301.8
98	63.3	0.0	128.2

Instrument :
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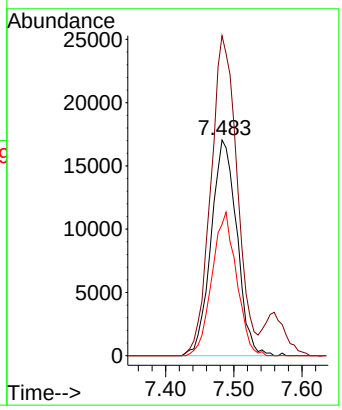
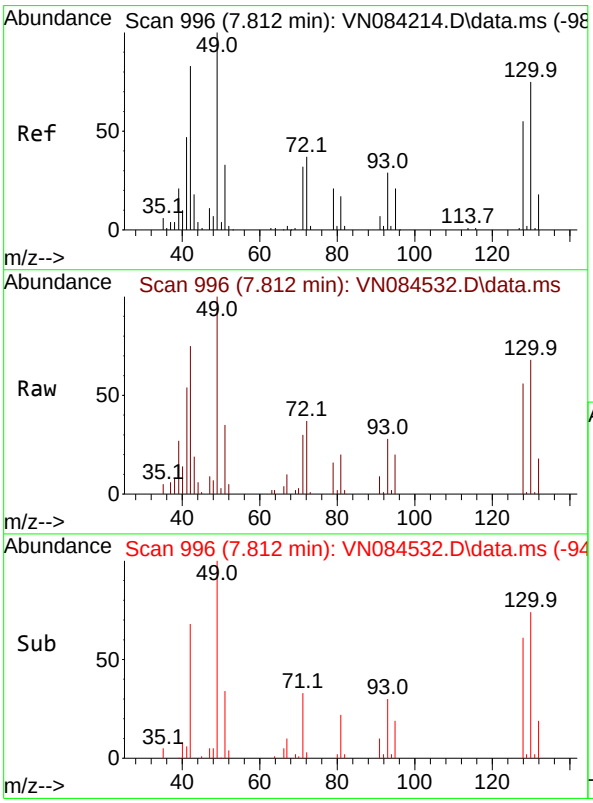
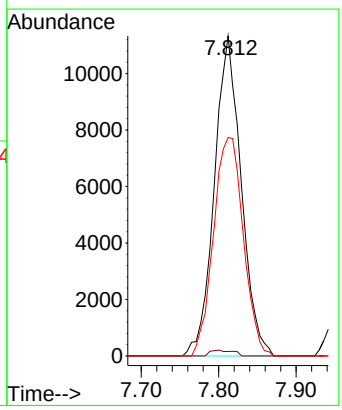


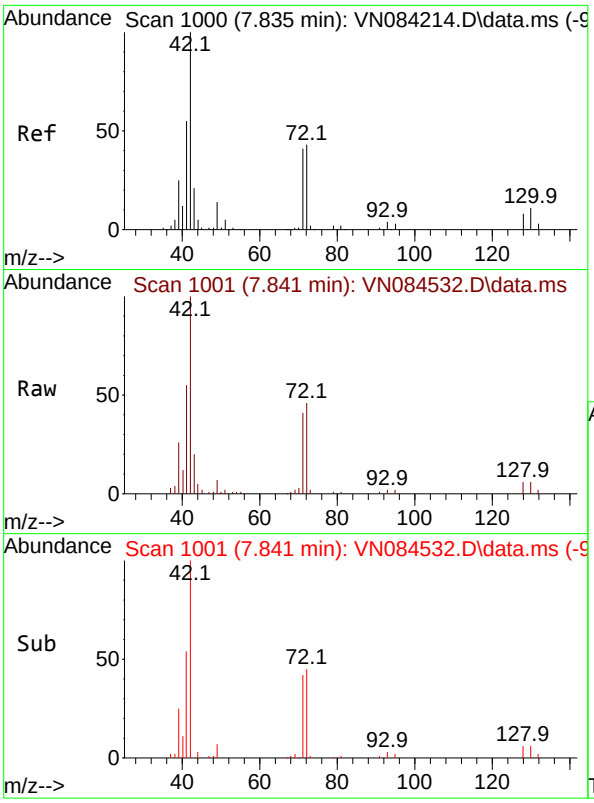


#28
Bromochloromethane
Concen: 17.111 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 49 Resp: 27270

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	75.8	58.0	87.0

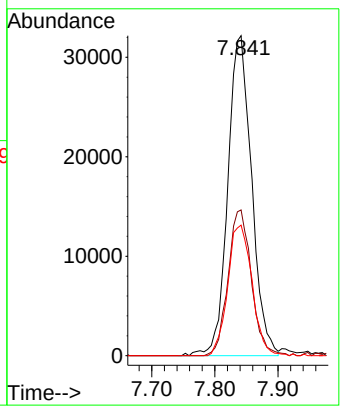




#29
Tetrahydrofuran
Concen: 99.900 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 42 Resp: 8445

Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	41.5	32.2	48.4



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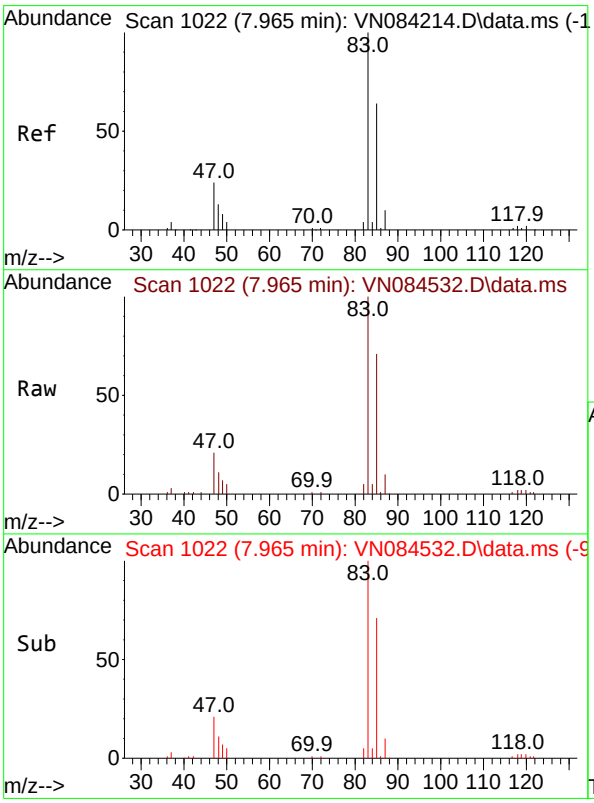
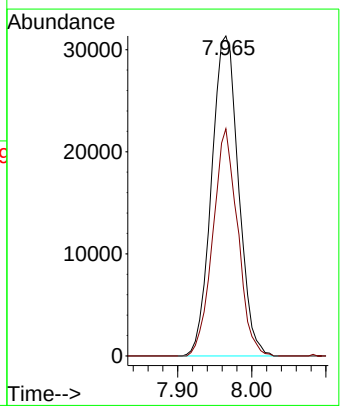
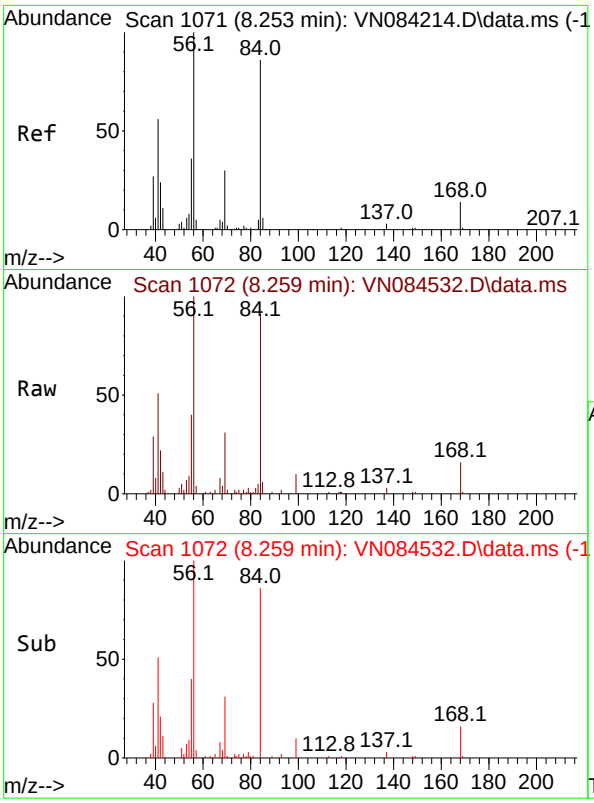


#30
Chloroform
Concen: 21.308 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 83 Resp: 79062

Ion	Ratio	Lower	Upper
83	100		
85	71.0	51.0	76.4

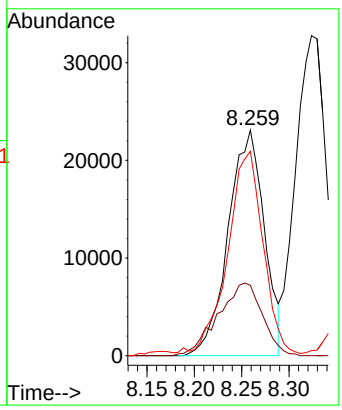




#31
Cyclohexane
Concen: 17.655 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 56 Resp: 6123

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	89.2	68.8	103.2



Instrument :
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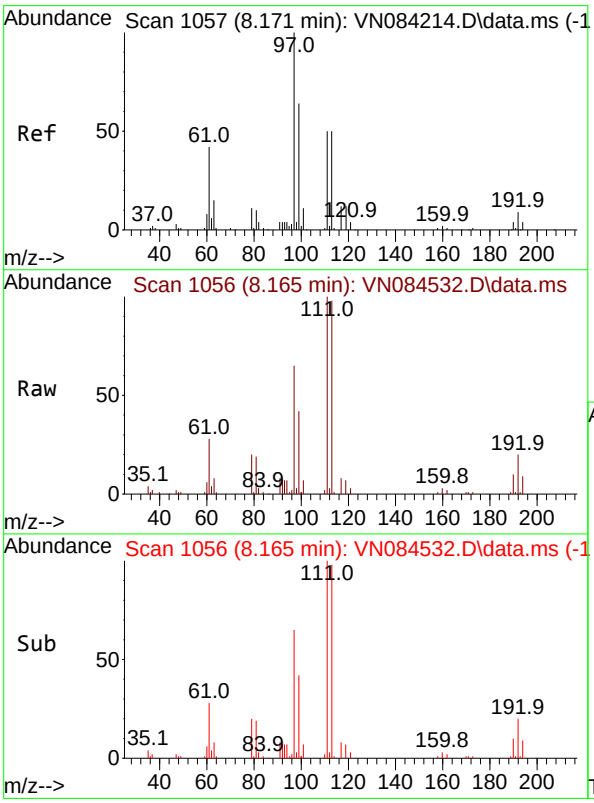
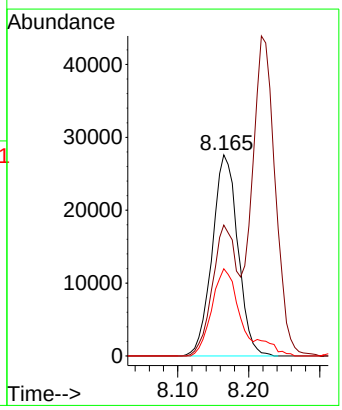
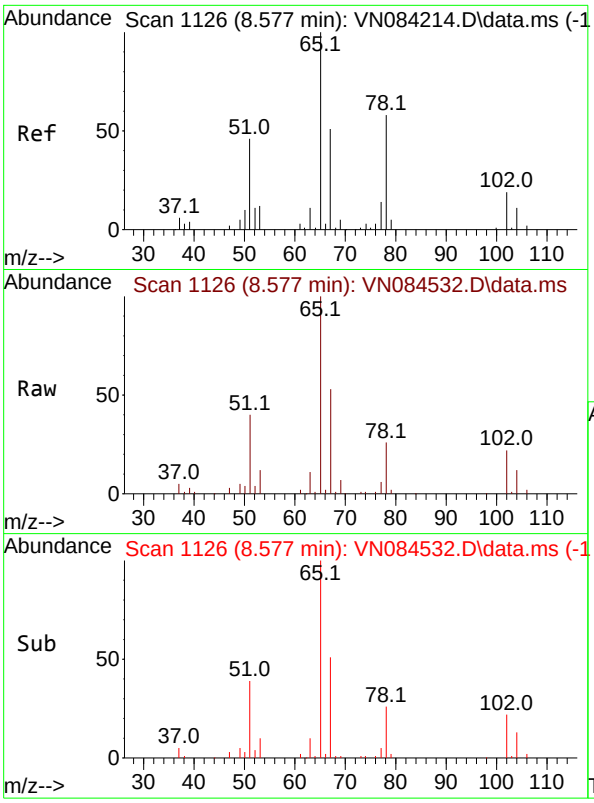


#32
1,1,1-Trichloroethane
Concen: 20.714 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 97 Resp: 69025

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.2	76.8
61	50.7	37.5	56.3

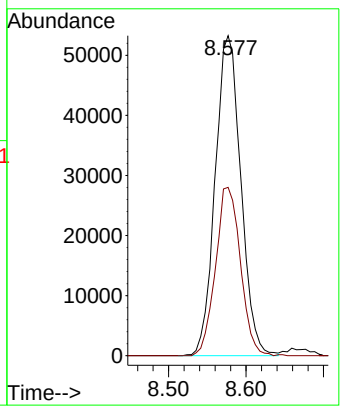




#33
1,2-Dichloroethane-d4
Concen: 52.389 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 65 Resp: 12266

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
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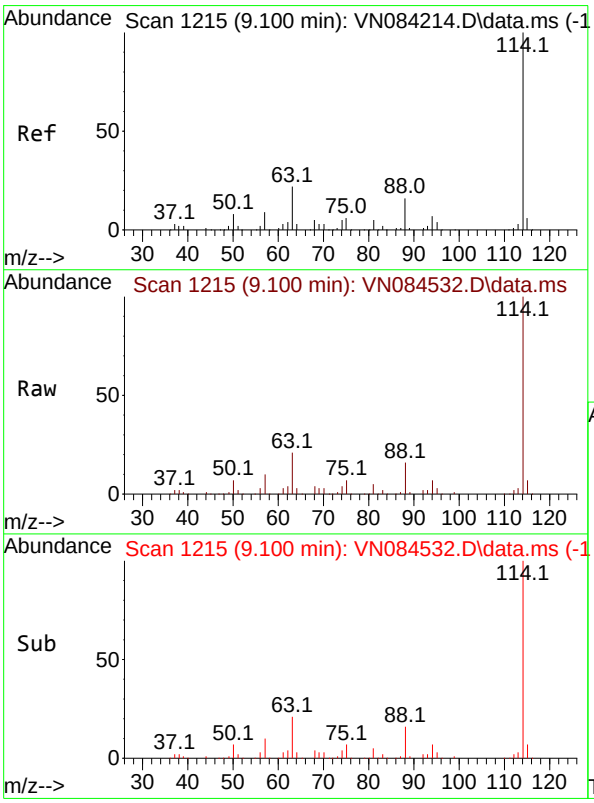
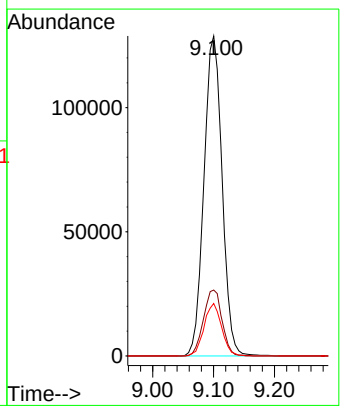
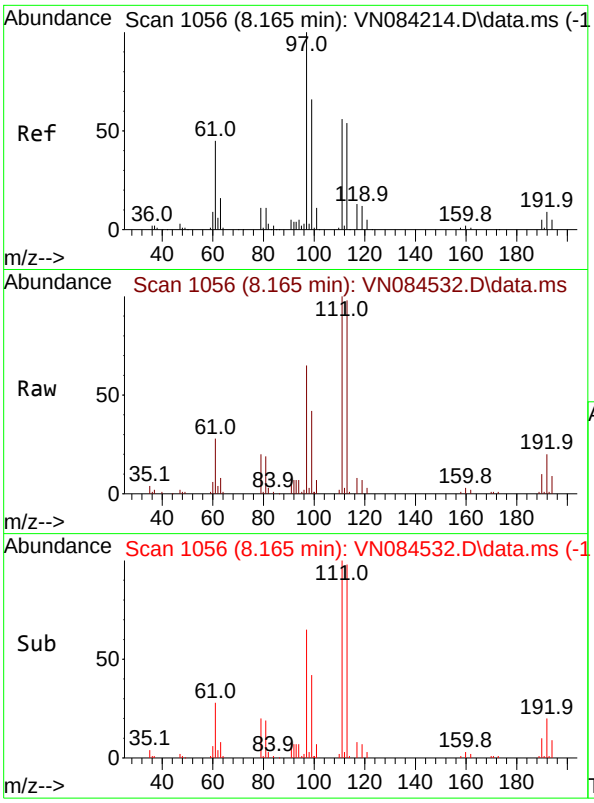


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:114 Resp: 266847

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	16.4	0.0	31.6

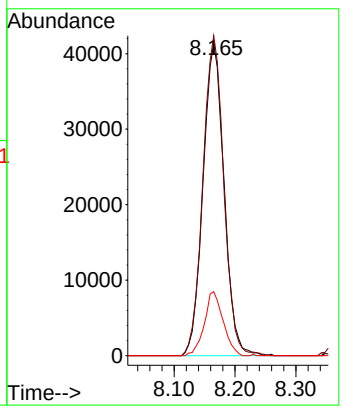




#35
Dibromofluoromethane
Concen: 56.449 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:113 Resp: 9930

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.3	124.9
192	18.3	13.5	20.3



Instrument :
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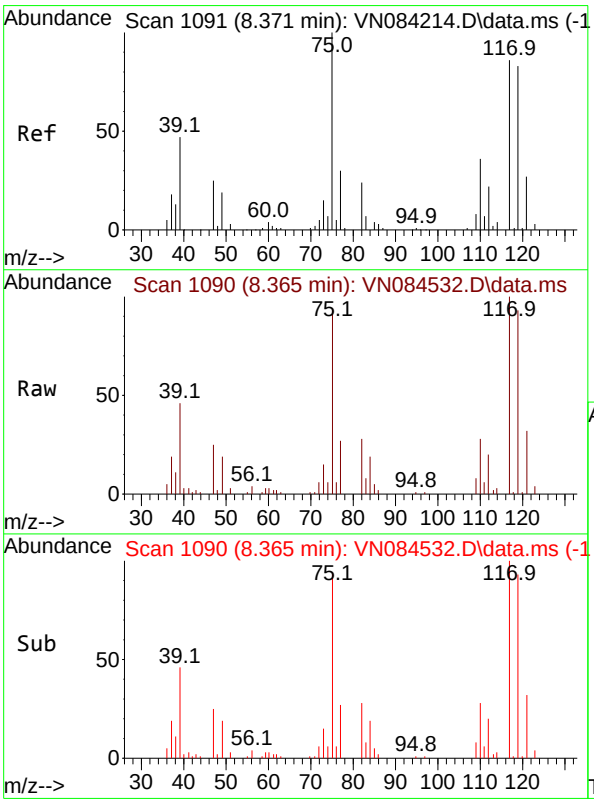
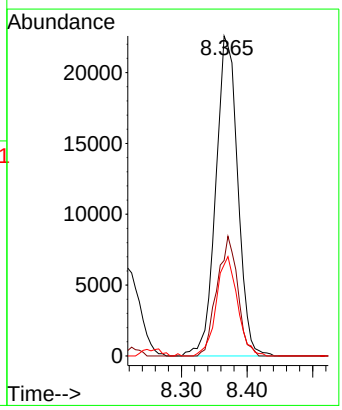
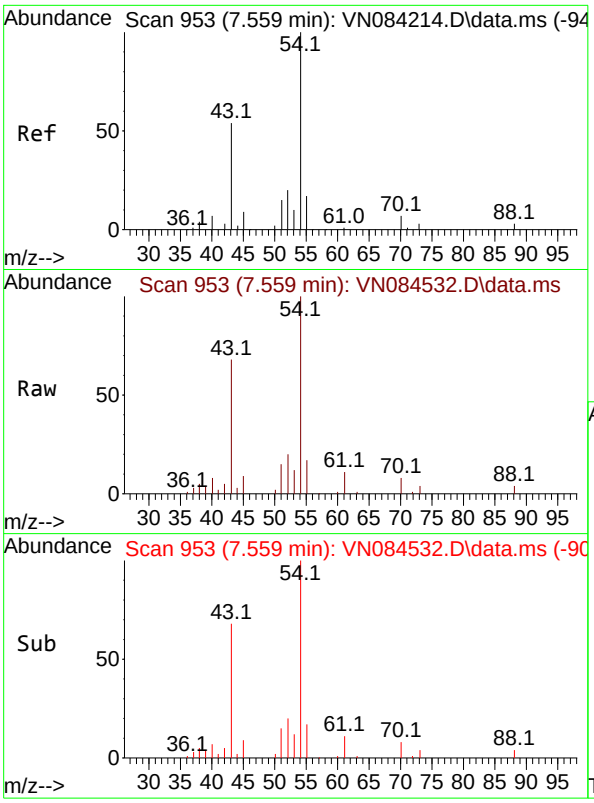


#36
1,1-Dichloropropene
Concen: 20.510 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 52411

Ion	Ratio	Lower	Upper
75	100		
110	35.4	16.9	50.7
77	30.1	24.7	37.1

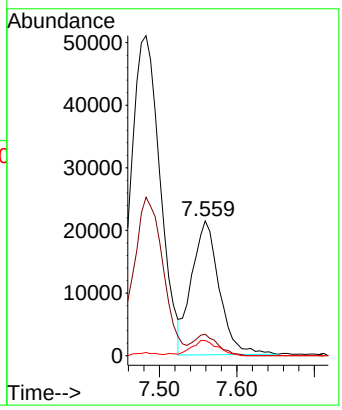




#37
Ethyl Acetate
Concen: 20.135 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 5278

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	11.4	8.8	13.2



Instrument :
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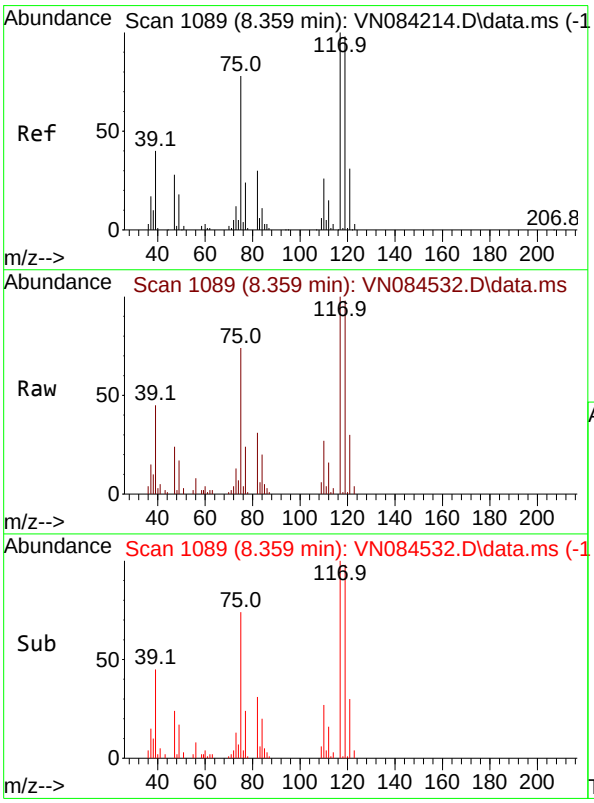
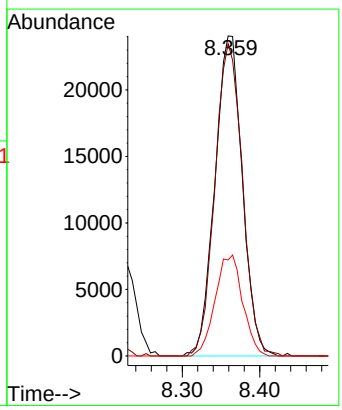
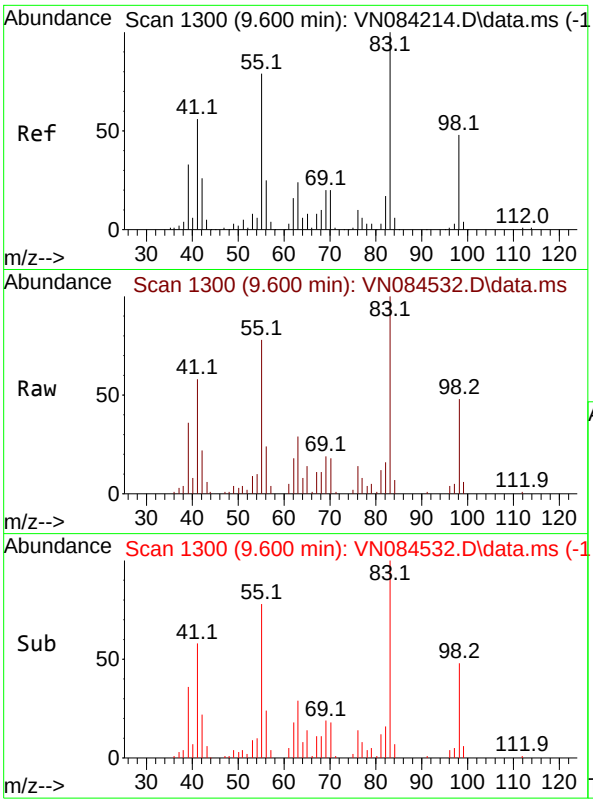


#38
Carbon Tetrachloride
Concen: 21.128 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:117 Resp: 59224

Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.7	118.1
121	30.0	24.4	36.6

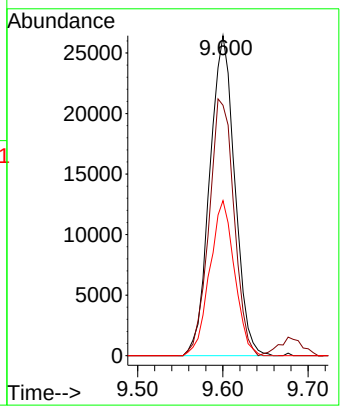




#39
Methylcyclohexane
Concen: 18.970 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 83 Resp: 5395

Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.8	94.2
98	48.5	38.8	58.2



Instrument :
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ClientSampleId :
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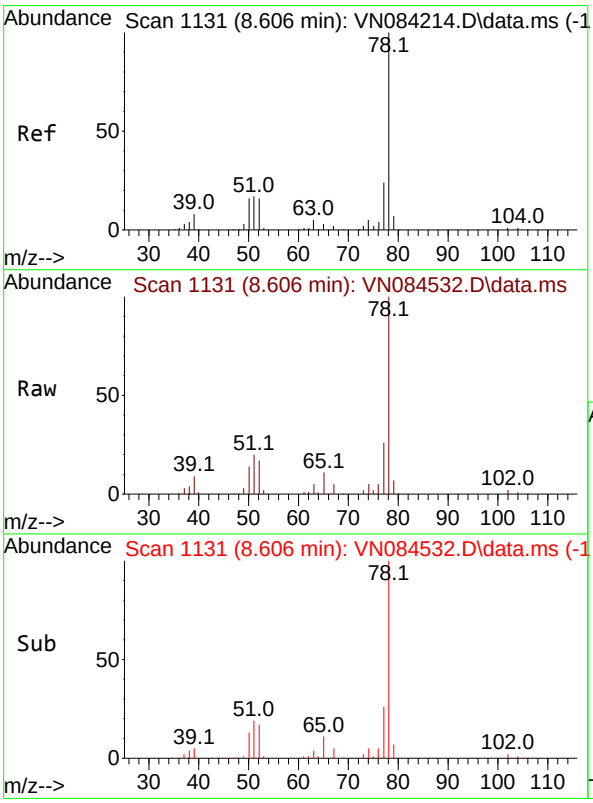
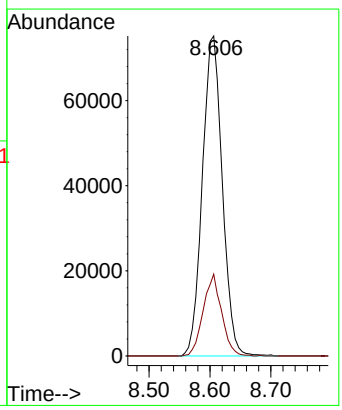
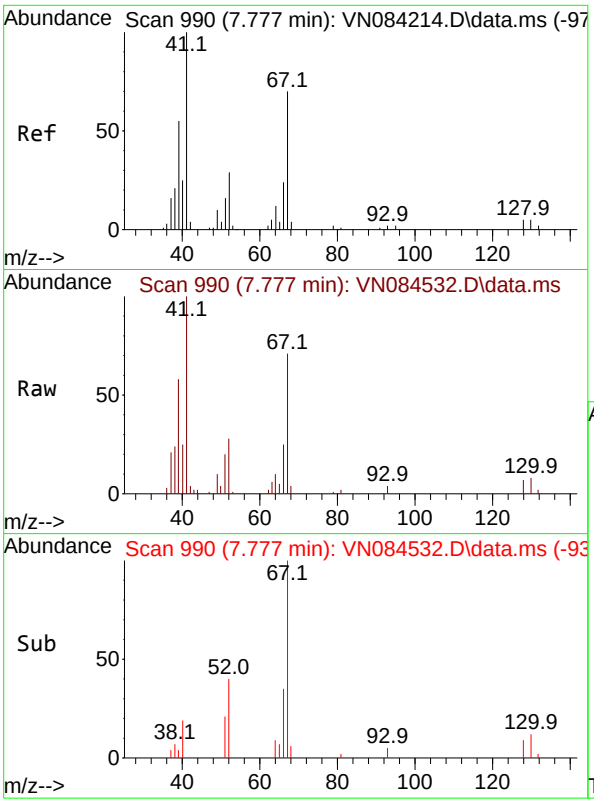


#40
Benzene
Concen: 21.524 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 78 Resp: 171367

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.1	28.7

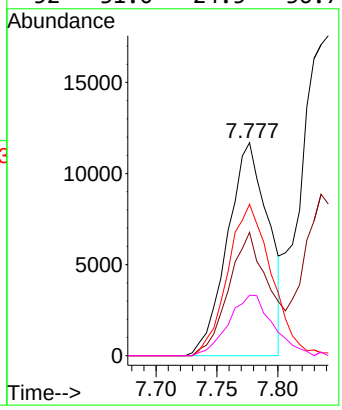




#41
Methacrylonitrile
Concen: 19.240 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 41 Resp: 2738

Ion	Ratio	Lower	Upper
41	100		
39	57.5	43.3	64.9
67	75.9	56.1	84.1
52	31.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
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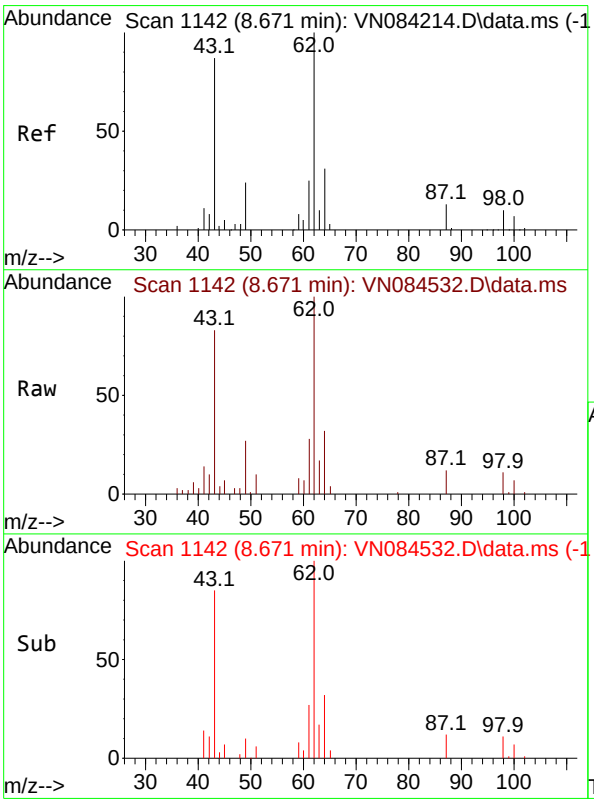
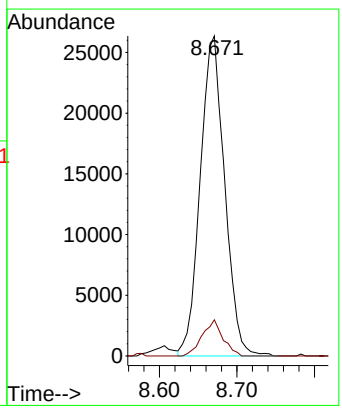
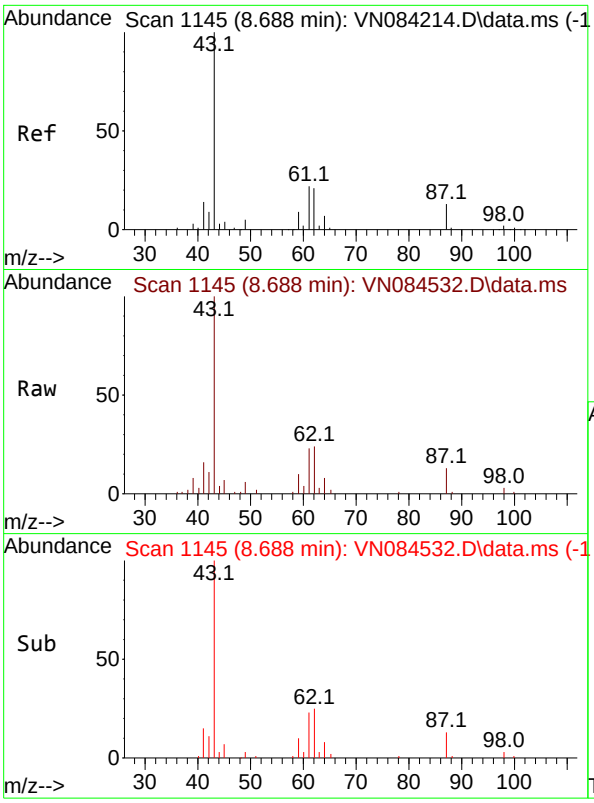


#42
1,2-Dichloroethane
Concen: 21.400 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 62 Resp: 57759

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

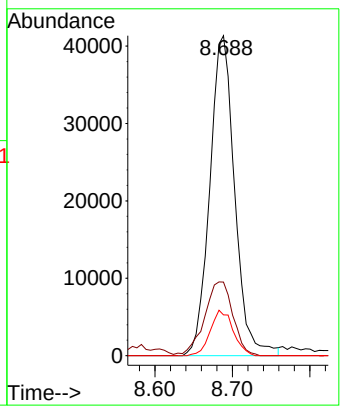




#43
Isopropyl Acetate
Concen: 17.998 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 9241

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.4	30.6
87	13.1	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
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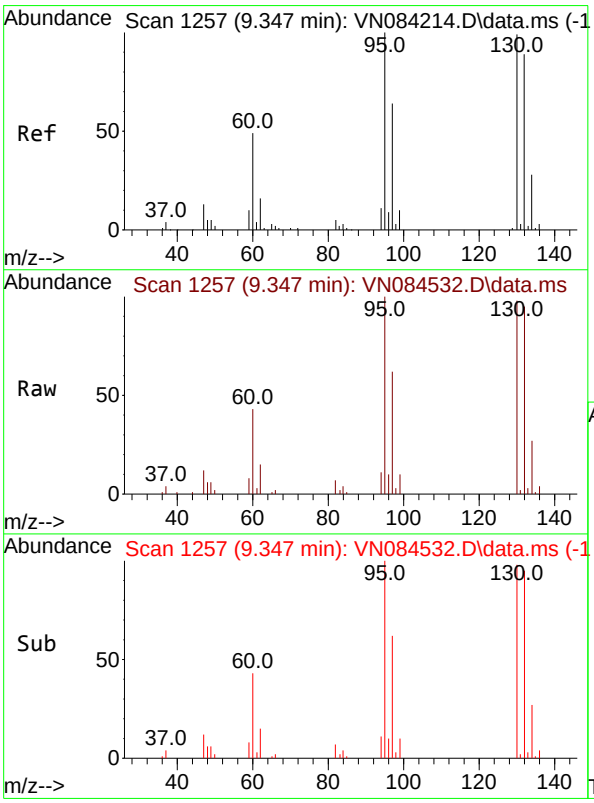
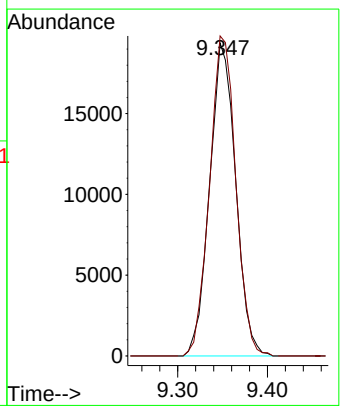
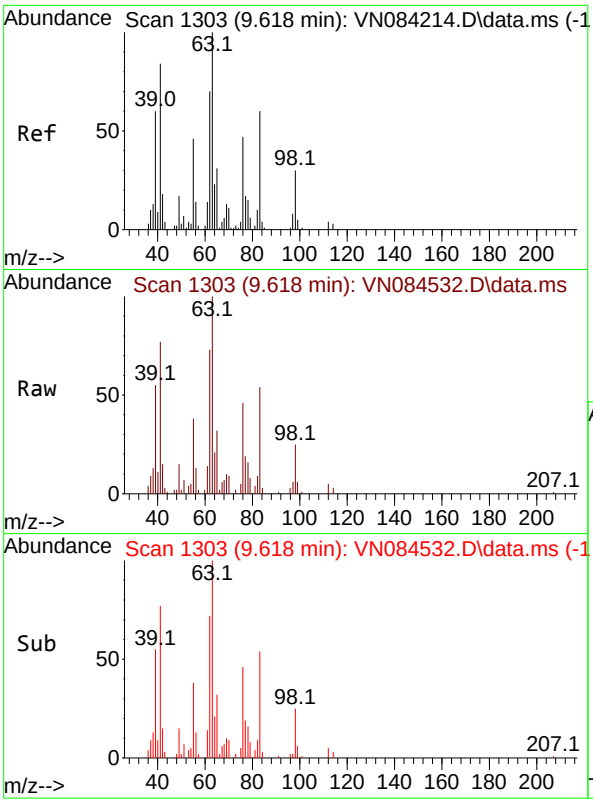


#44
Trichloroethene
Concen: 21.005 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:130 Resp: 39058

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	203.0

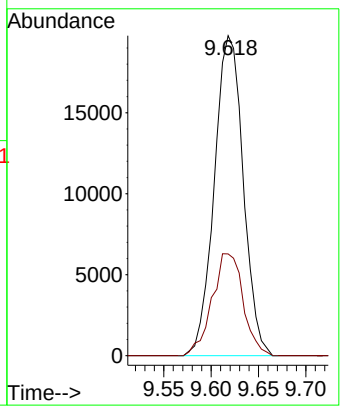




#45
1,2-Dichloropropane
Concen: 22.283 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 63 Resp: 4196

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.6	37.0



Instrument :
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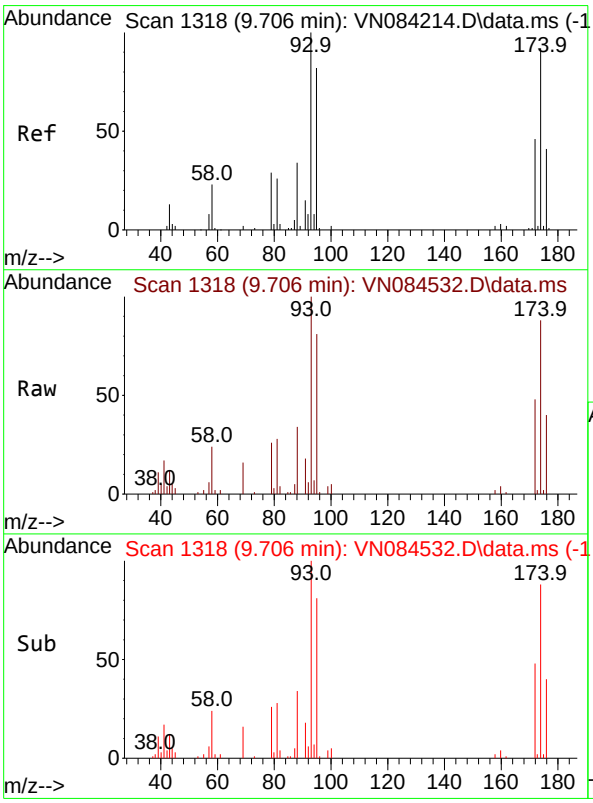
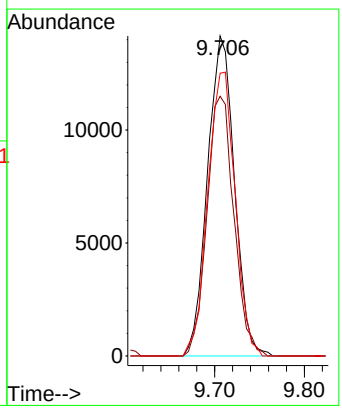
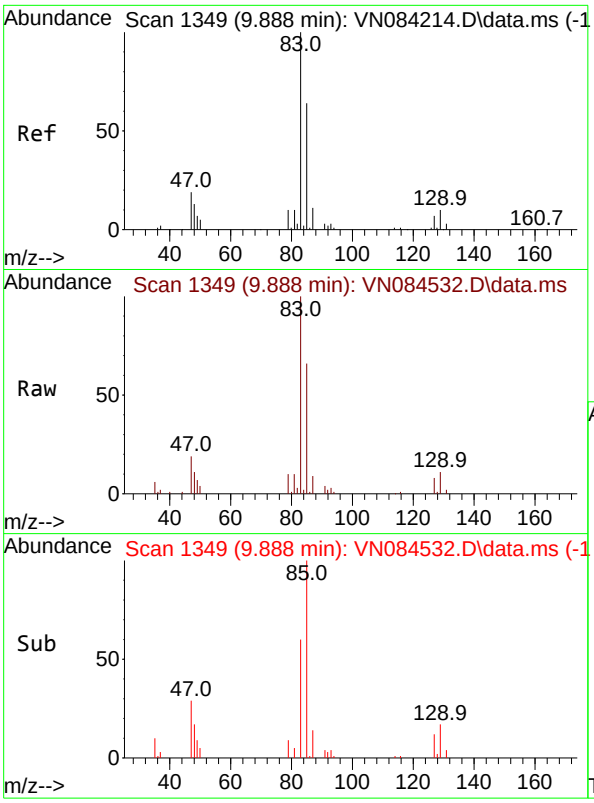


#46
Dibromomethane
Concen: 23.232 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 93 Resp: 29527

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	90.2	71.8	107.8

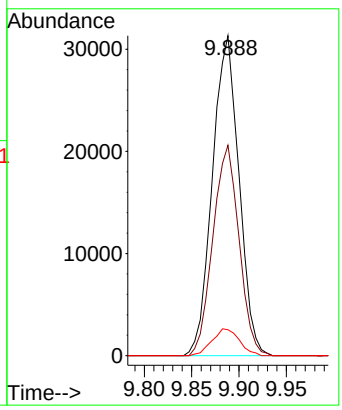




#47
Bromodichloromethane
Concen: 21.657 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 83 Resp: 6115

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.1	5.7	8.5



Instrument :
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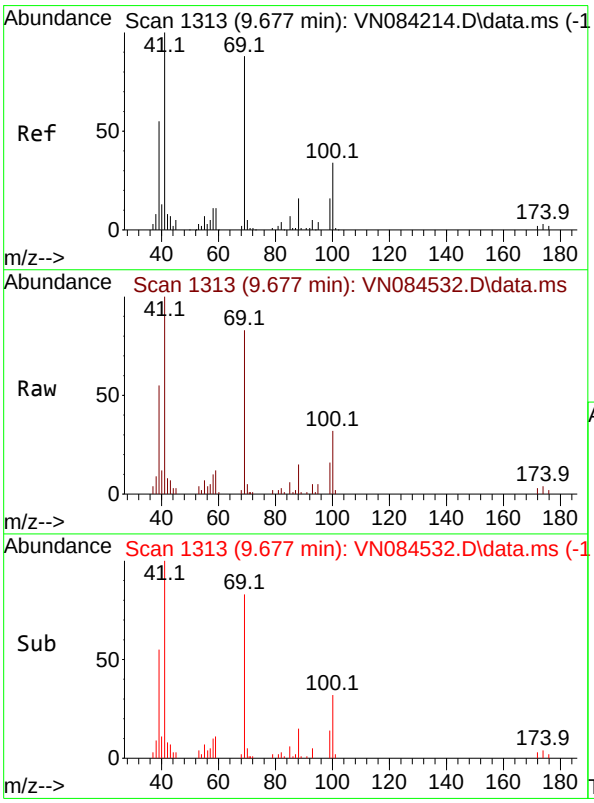
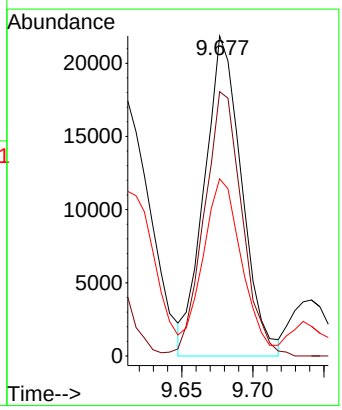
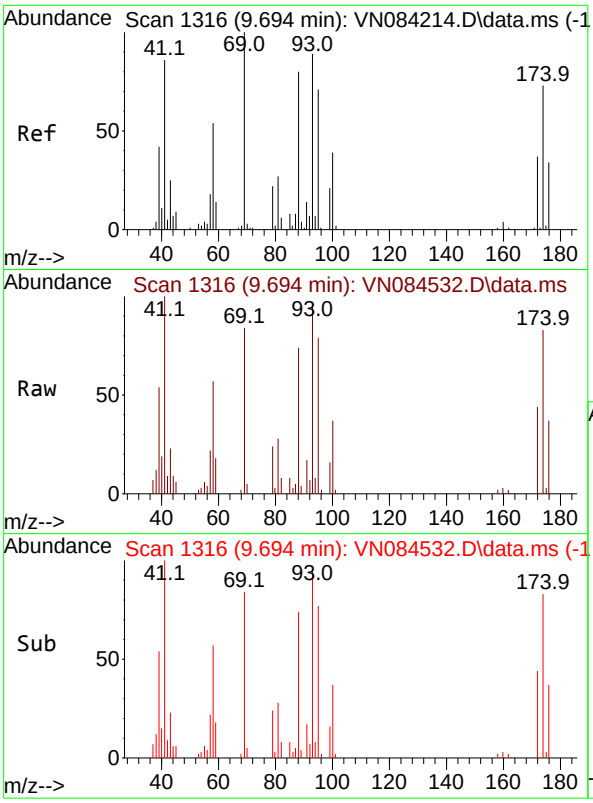


#48
Methyl methacrylate
Concen: 19.548 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 41 Resp: 39957

Ion	Ratio	Lower	Upper
41	100		
69	83.7	67.1	100.7
39	57.8	45.8	68.6

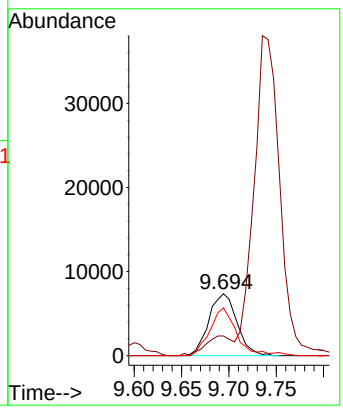




#49
1,4-Dioxane
Concen: 404.028 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 88 Resp: 1520

Ion	Ratio	Lower	Upper
88	100		
43	30.7	25.3	37.9
58	73.8	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
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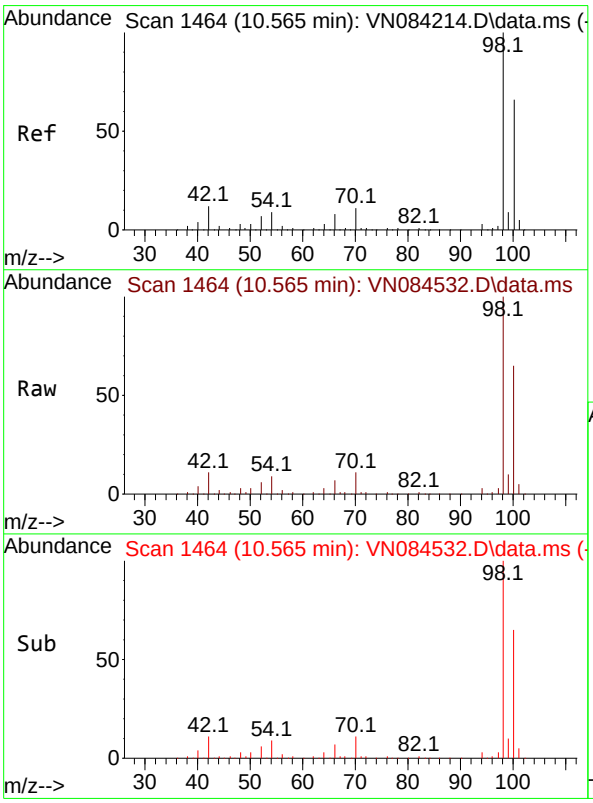
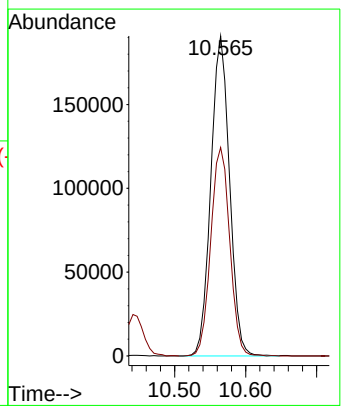
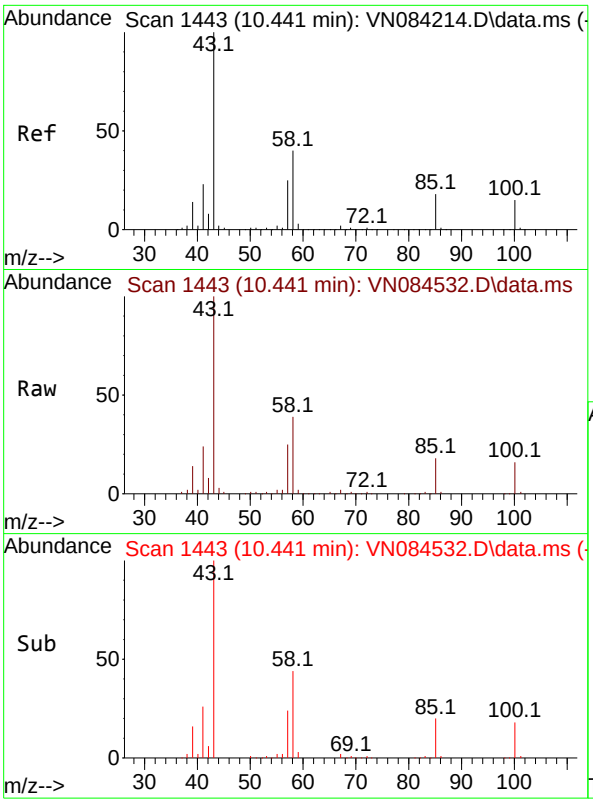


#50
Toluene-d8
Concen: 53.852 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 98 Resp: 348548

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 108.219 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 27007

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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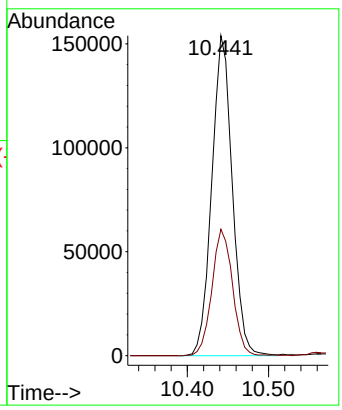
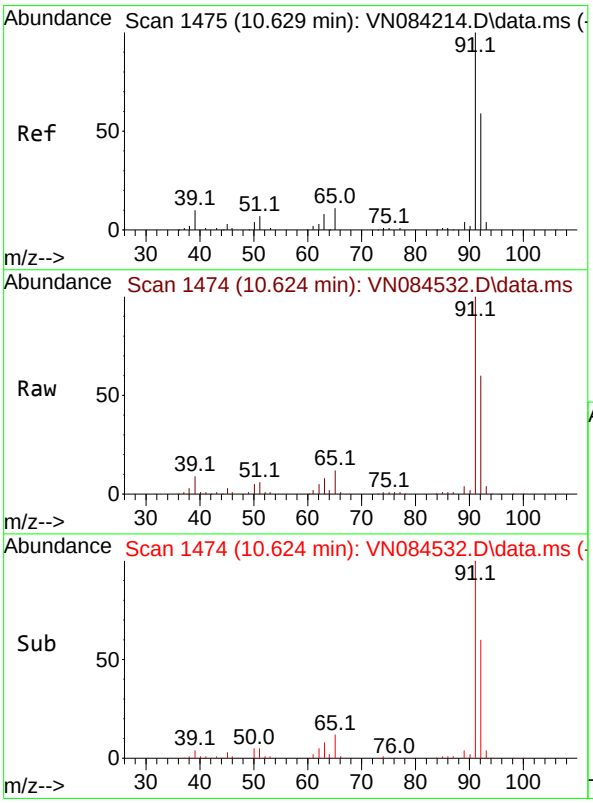
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

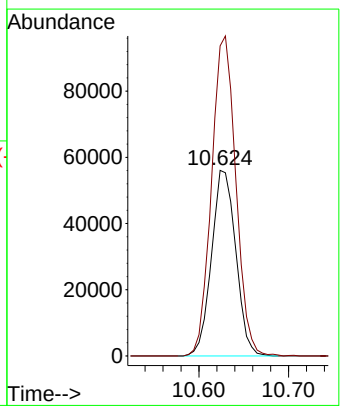


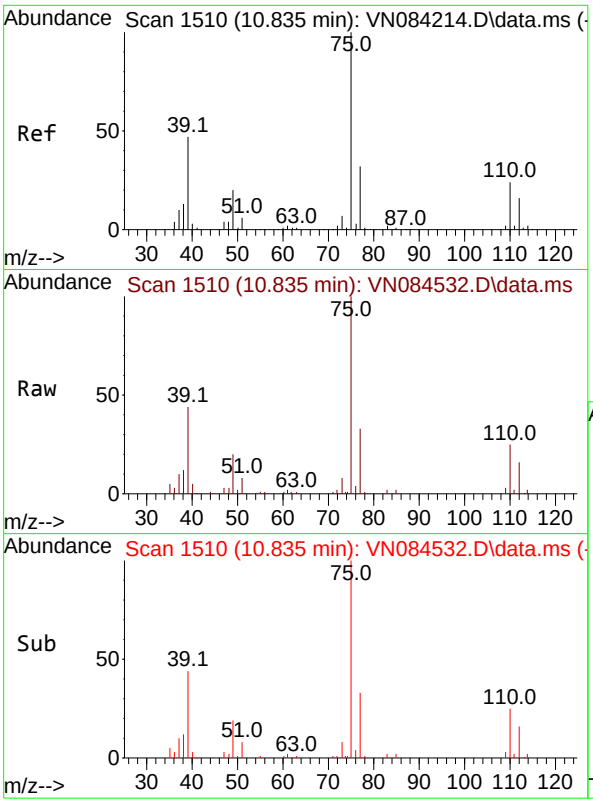


#52
Toluene
Concen: 21.682 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 92 Resp: 105264

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.3	205.9

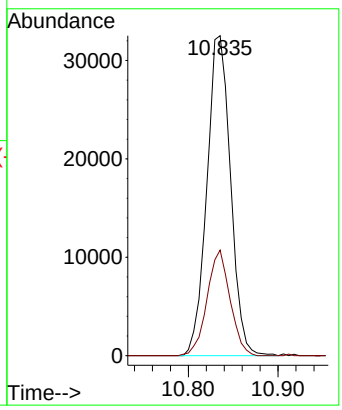




#53
t-1,3-Dichloropropene
Concen: 20.704 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 5959

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0



Instrument :
MSVOA_N
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VN1028WBS01

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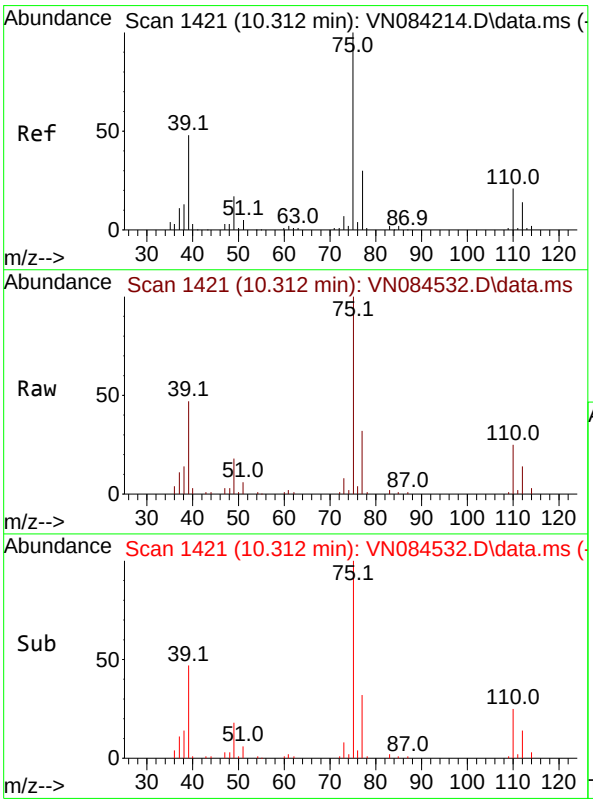
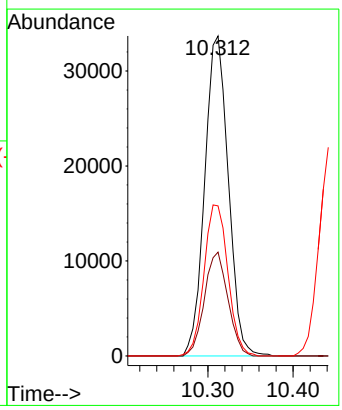
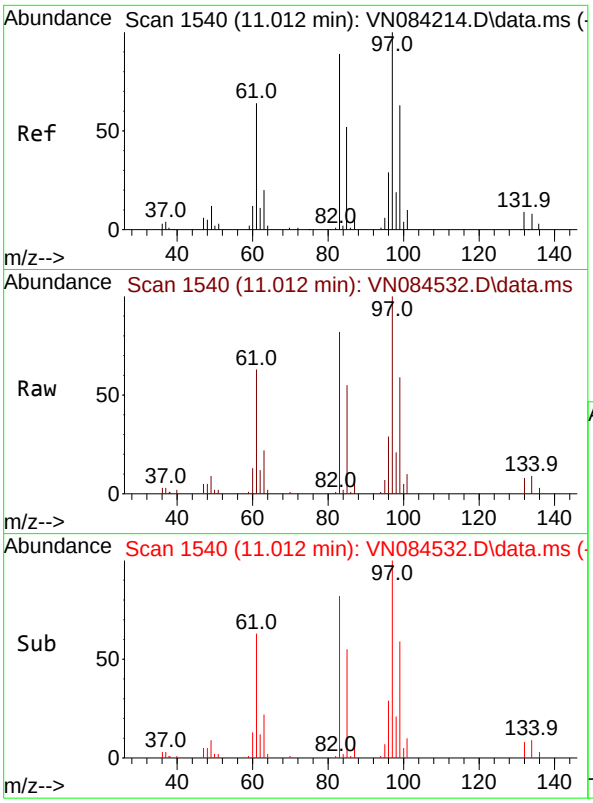


#54
cis-1,3-Dichloropropene
Concen: 20.983 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 64963

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.2	36.2
39	46.9	38.7	58.1

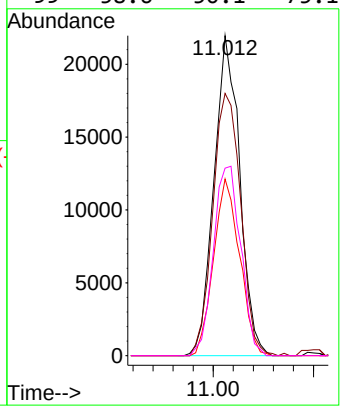




#55
1,1,2-Trichloroethane
Concen: 22.510 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 97 Resp: 3917

Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.0	106.4
85	55.2	41.7	62.5
99	58.6	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
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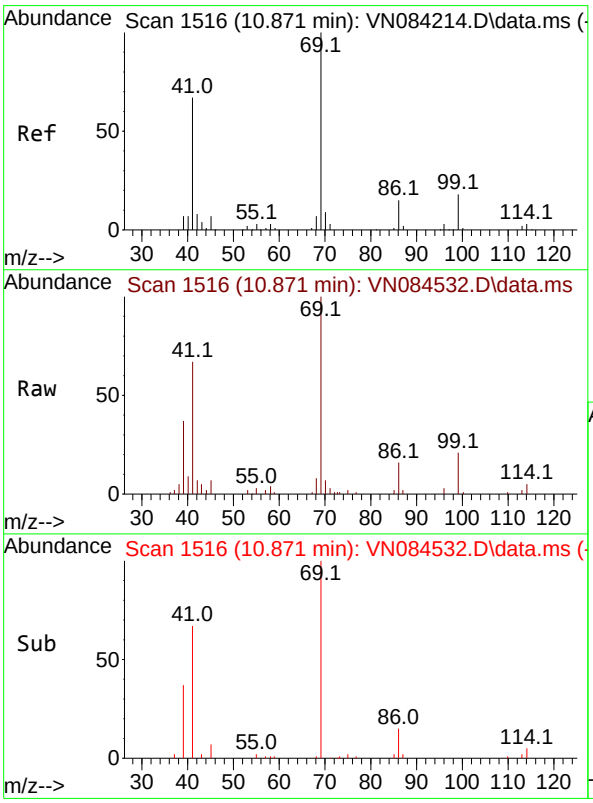
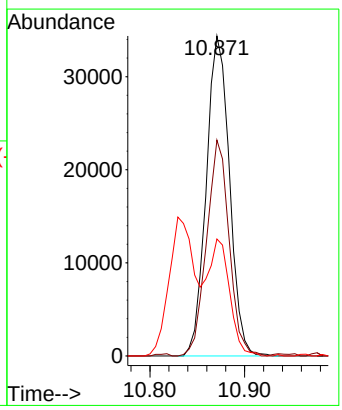
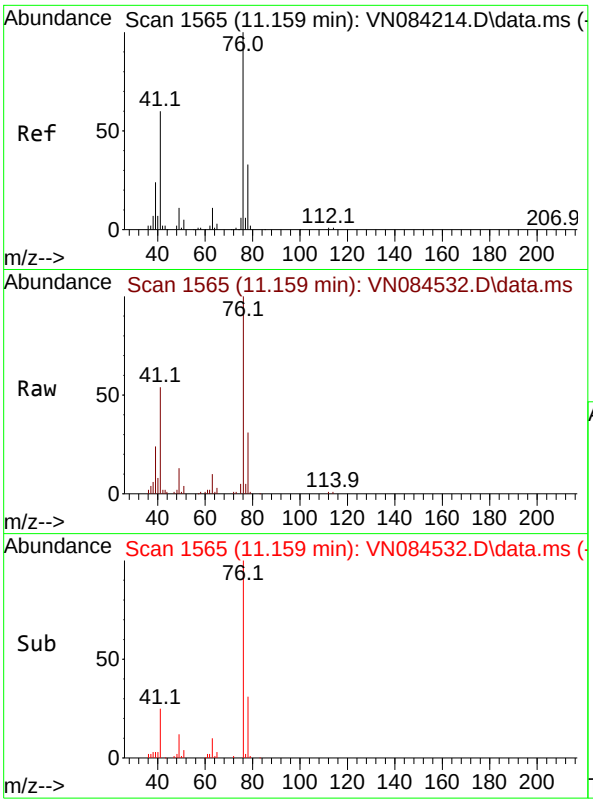


#56
Ethyl methacrylate
Concen: 20.426 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 69 Resp: 58496

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.3	79.9
39	34.7	28.8	43.2

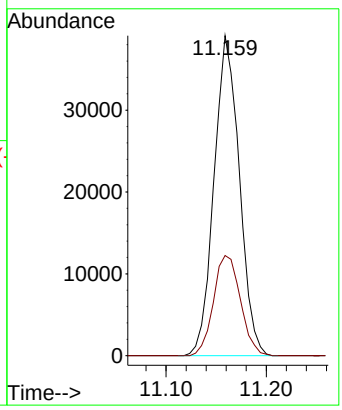




#57
1,3-Dichloropropane
Concen: 22.014 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 76 Resp: 6846

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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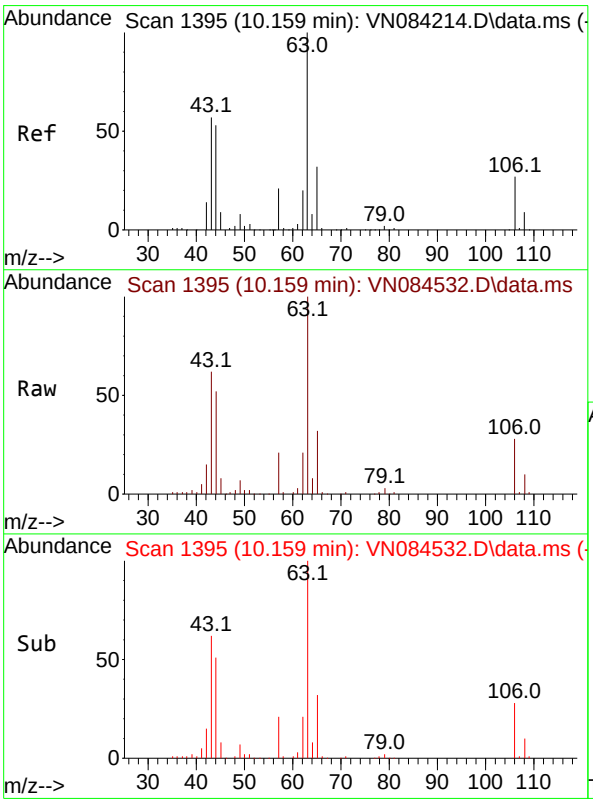
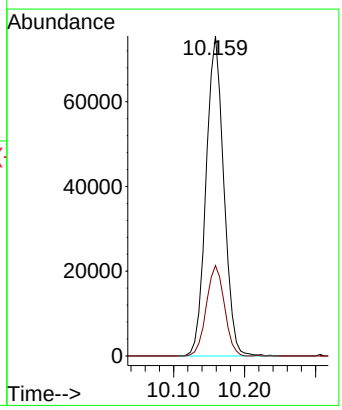
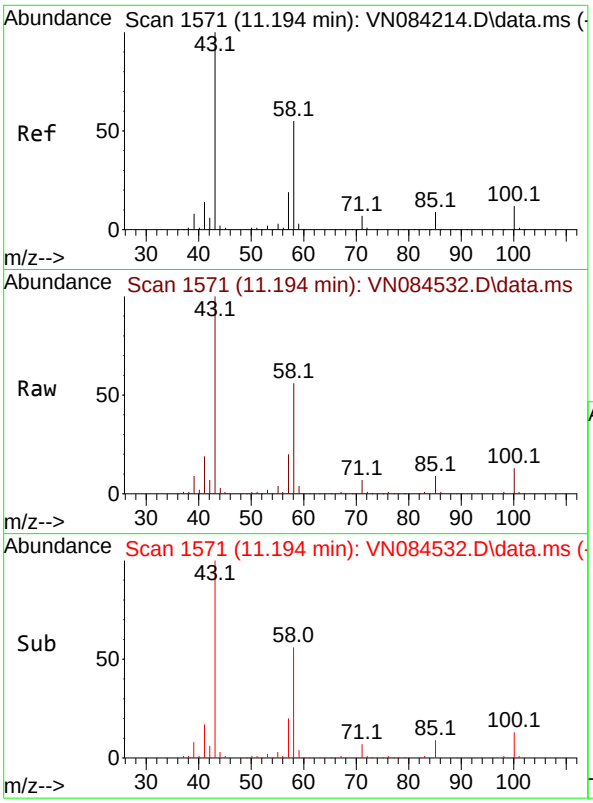


#58
2-Chloroethyl Vinyl ether
Concen: 98.604 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 63 Resp: 130997

Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.6

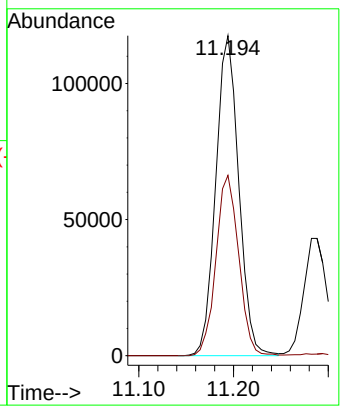




#59
2-Hexanone
Concen: 106.359 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 19838

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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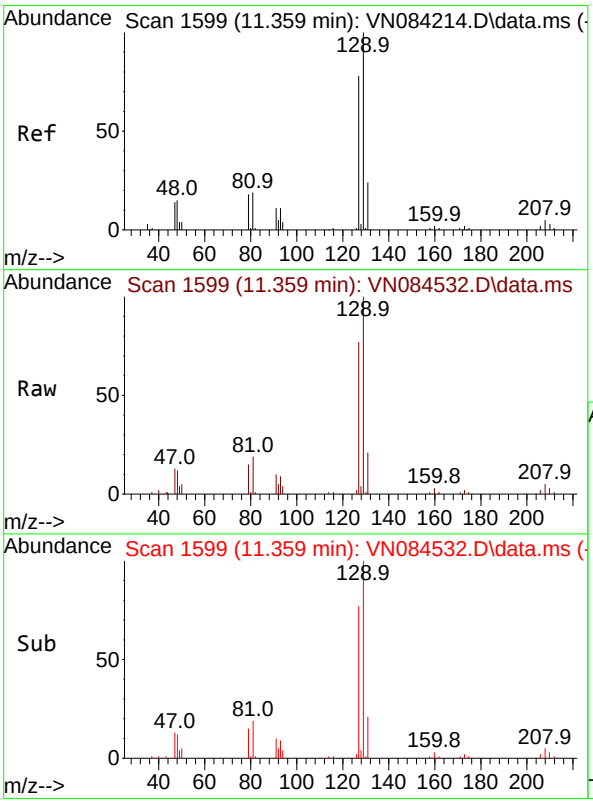
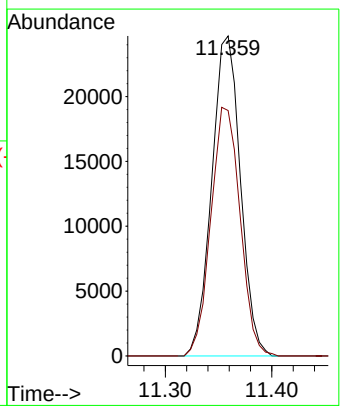
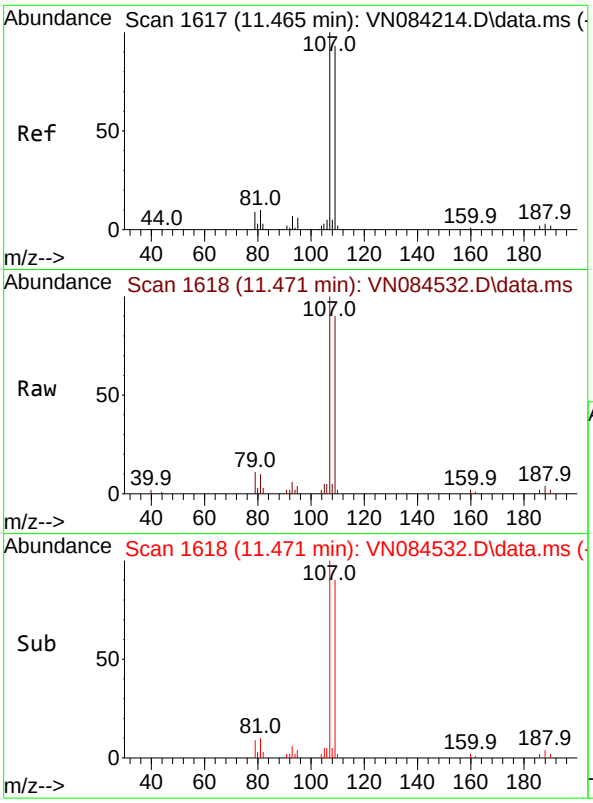


#60
Dibromochloromethane
Concen: 22.409 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:129 Resp: 46083

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9

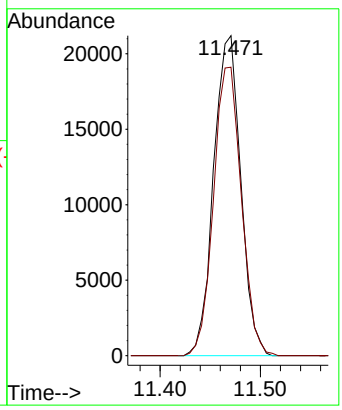




#61
1,2-Dibromoethane
Concen: 21.992 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:107 Resp: 3977

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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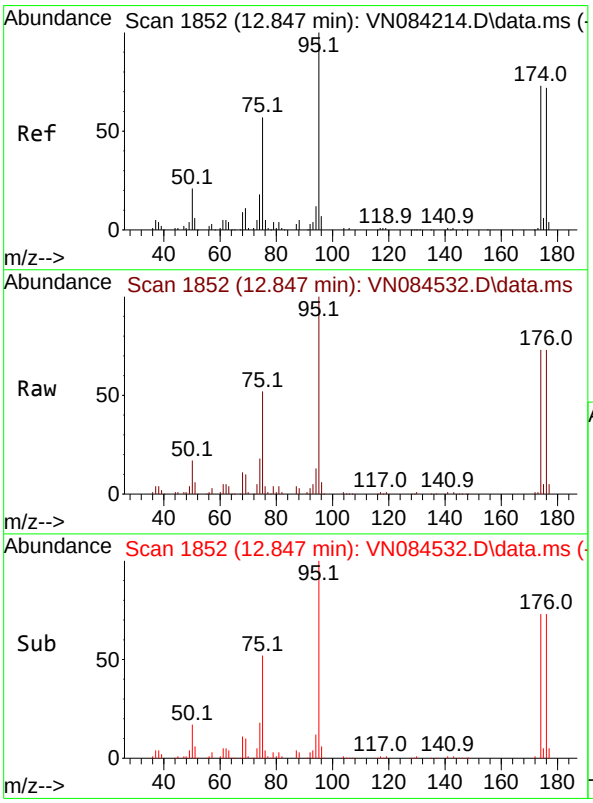
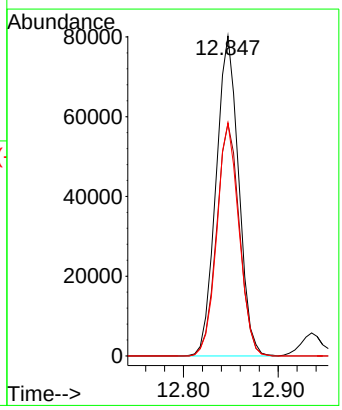
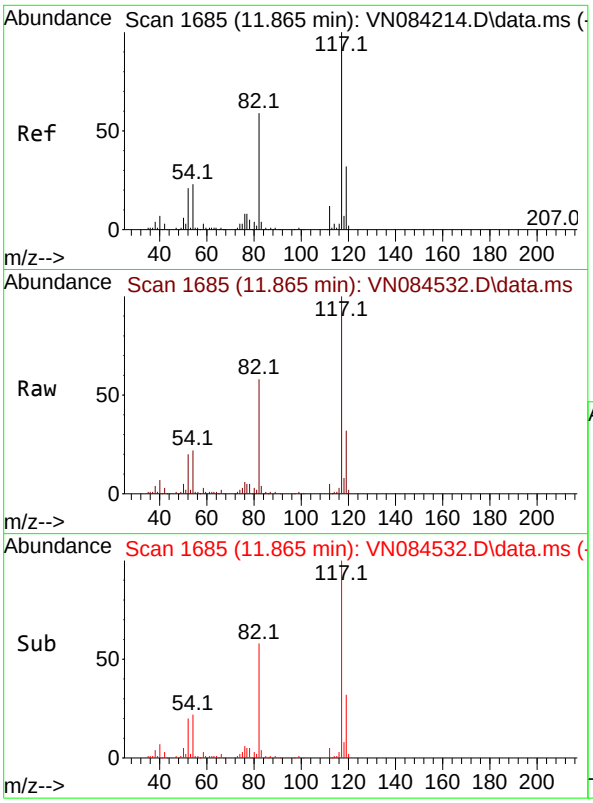


#62
4-Bromofluorobenzene
Concen: 56.378 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 95 Resp: 132937

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	71.3	0.0	140.0

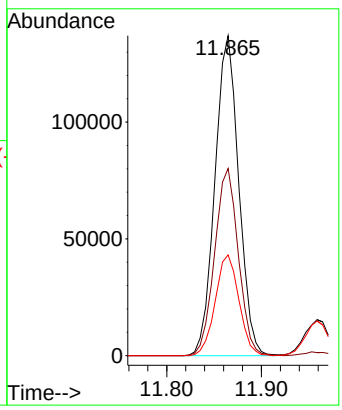




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:117 Resp: 23954

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.2	70.8
119	31.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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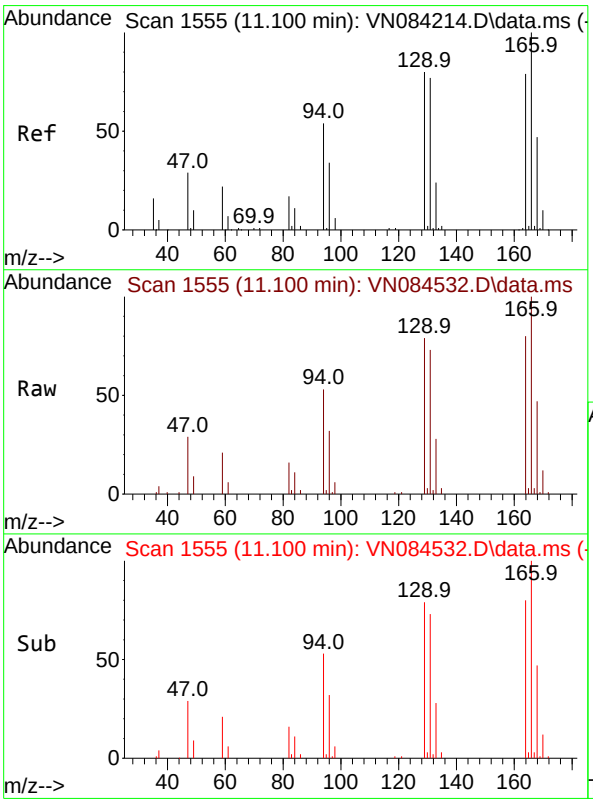
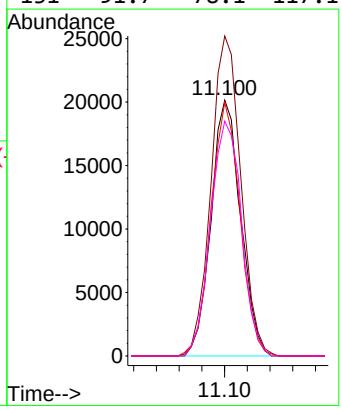
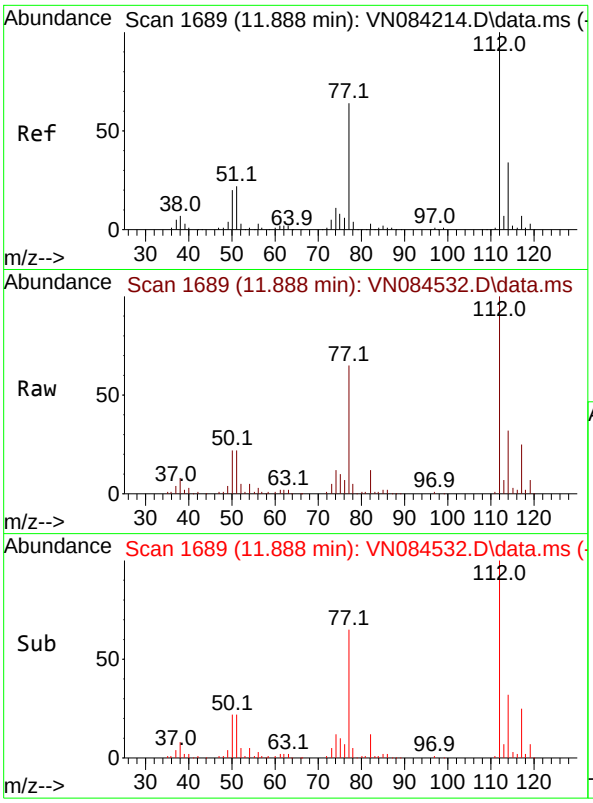


#64
Tetrachloroethene
Concen: 21.772 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:164 Resp: 36325

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.0	151.4
129	99.0	80.8	121.2
131	91.7	78.1	117.1

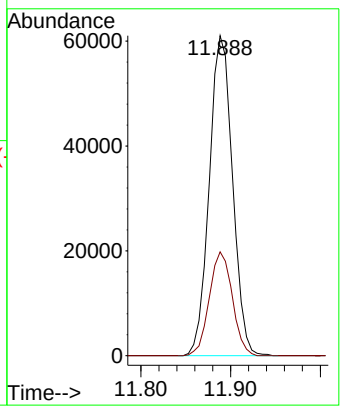




#65
Chlorobenzene
Concen: 20.668 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:112 Resp: 10977

Ion	Ratio	Lower	Upper
112	100		
114	32.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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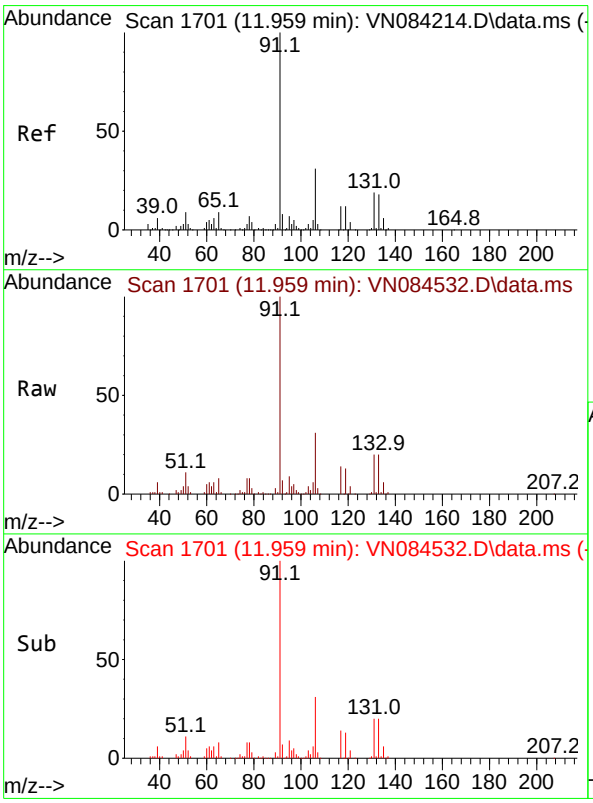
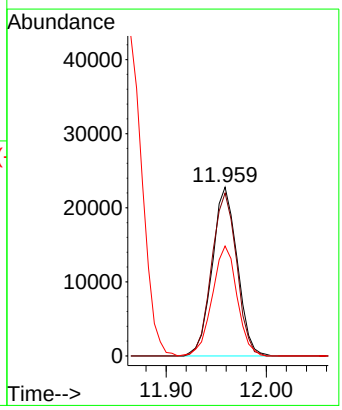
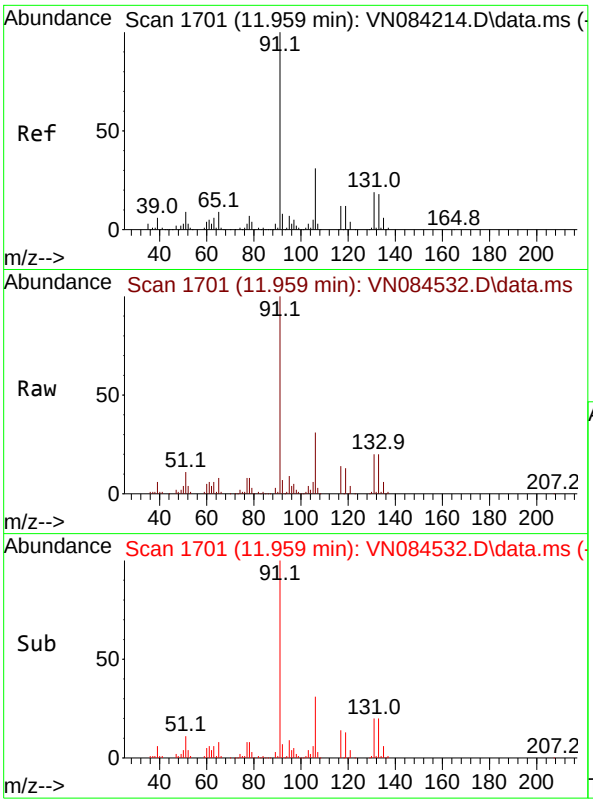


#66
1,1,1,2-Tetrachloroethane
Concen: 21.583 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:131 Resp: 39484

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.7
119	64.8	32.8	98.3





#67
Ethyl Benzene
Concen: 20.076 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 18856

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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Reviewed By :Mahesh Dadoda 10/29/2024
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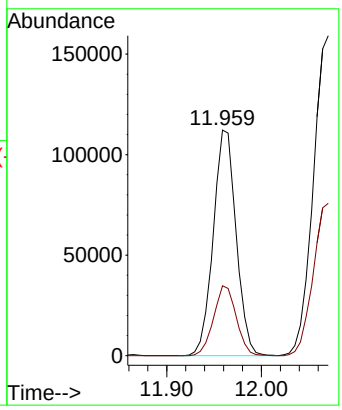
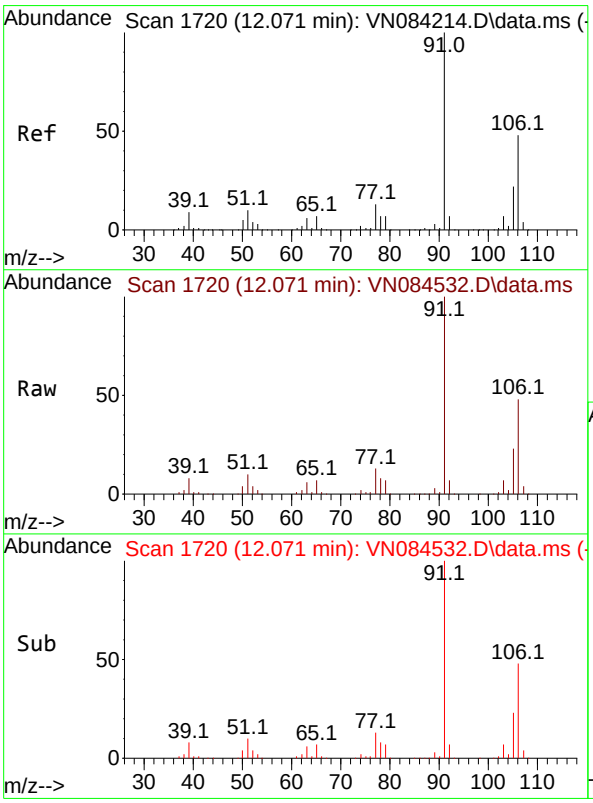
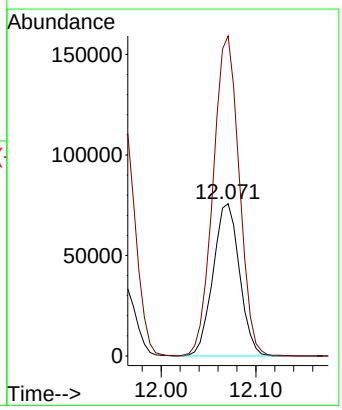


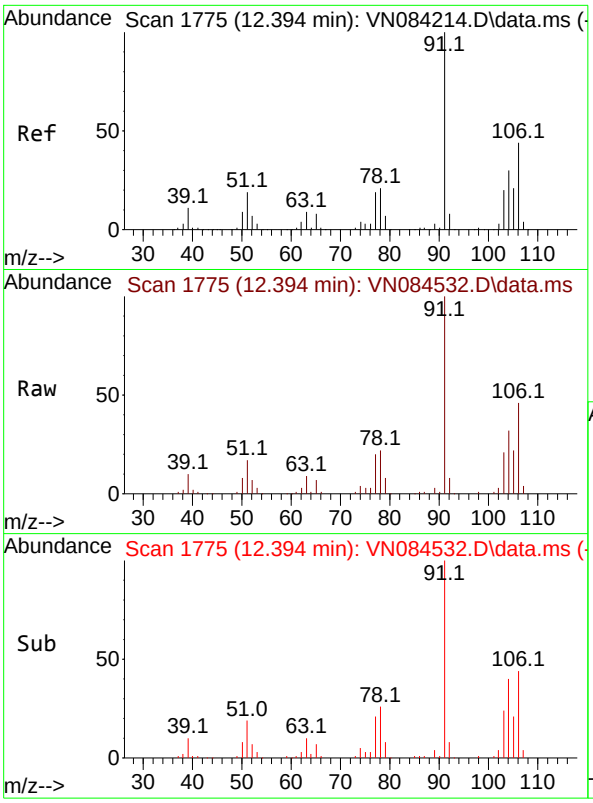


#68
m/p-Xylenes
Concen: 42.242 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:106 Resp: 146769

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.1	250.7

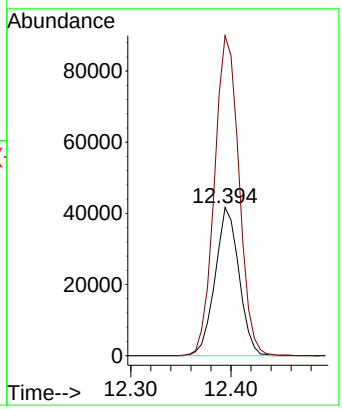




#69
o-Xylene
Concen: 20.969 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:106 Resp: 6892

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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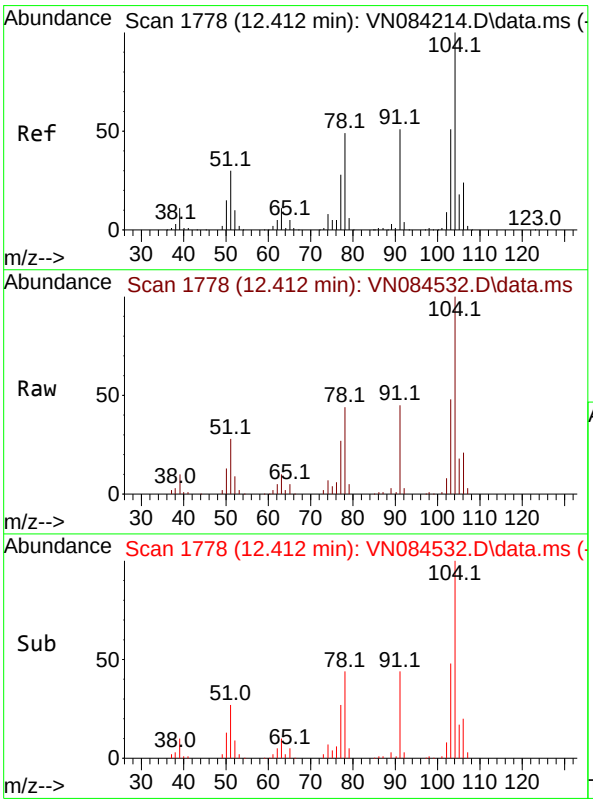
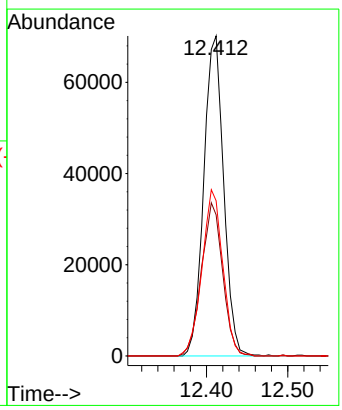
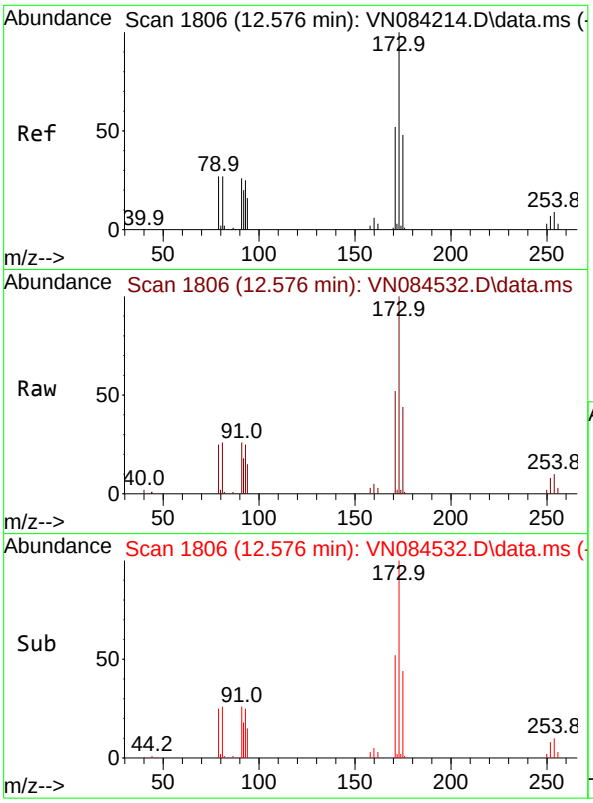


#70
Styrene
Concen: 21.428 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:104 Resp: 119311

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.7	64.1
103	54.4	43.6	65.4

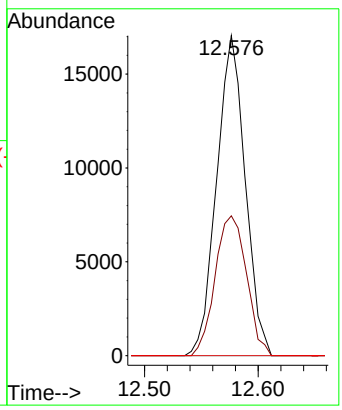




#71
Bromoform
Concen: 22.110 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:173 Resp: 2977

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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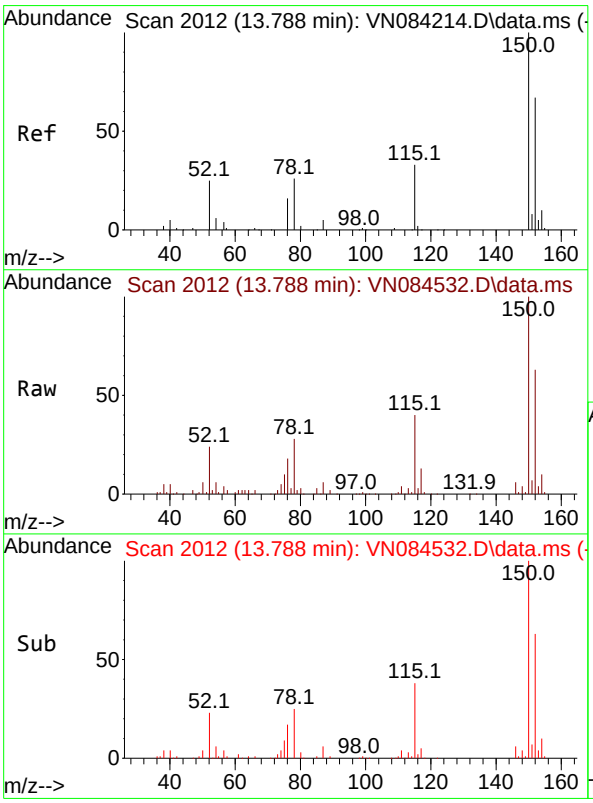
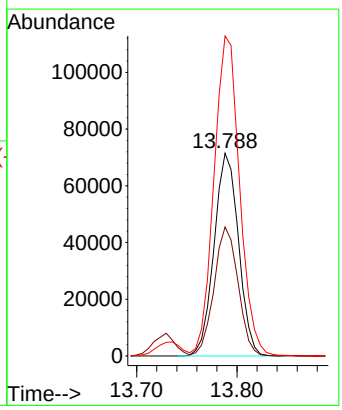
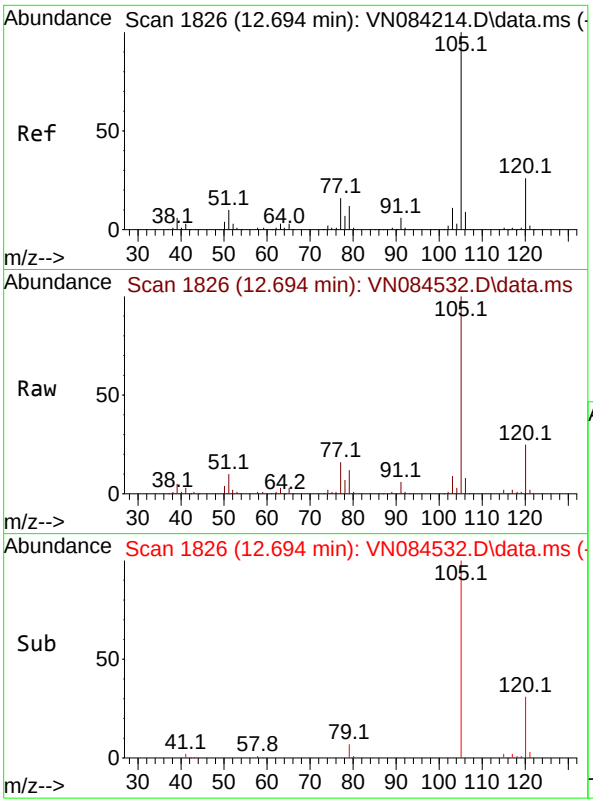


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:152 Resp: 120806

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	165.7	0.0	349.8





#73
Isopropylbenzene
Concen: 18.880 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:105 Resp: 17405

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

Instrument :
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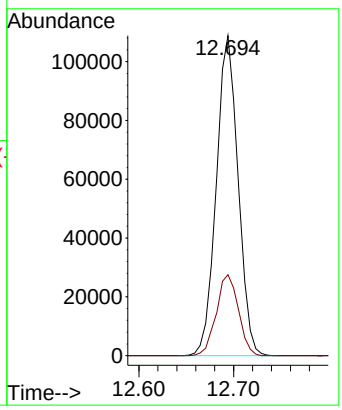
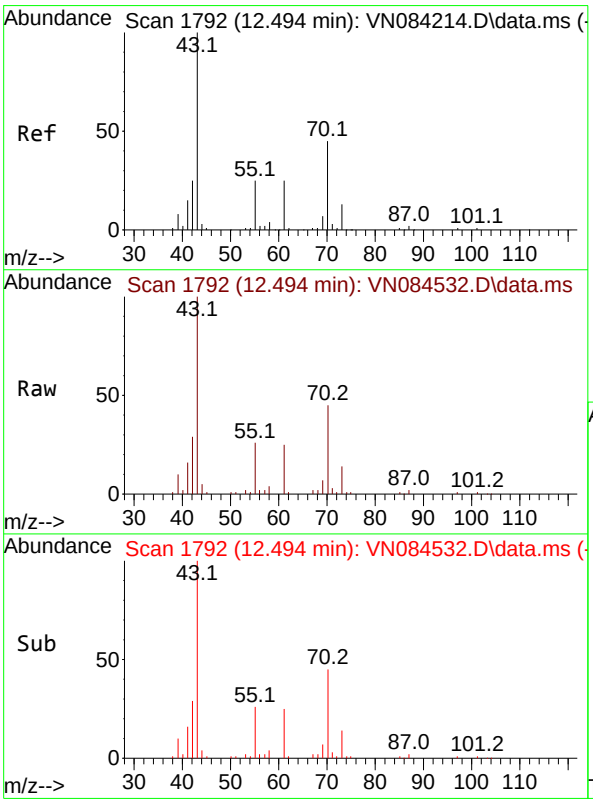
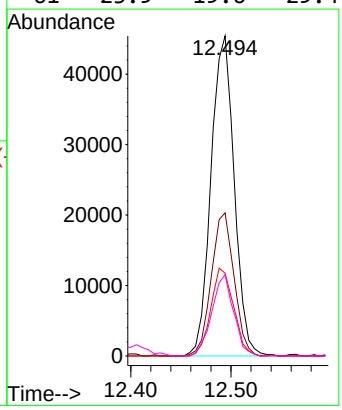


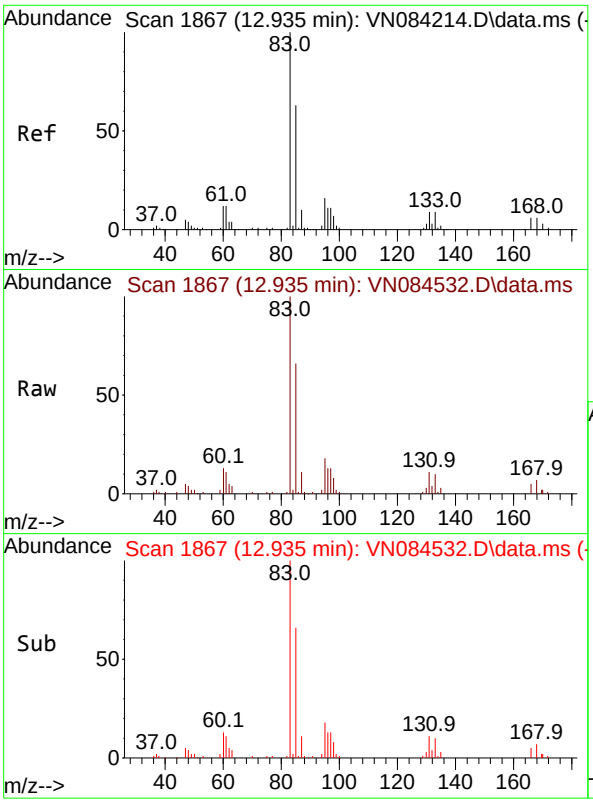


#74
N-amyl acetate
Concen: 17.471 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 72933

Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.4	51.6
55	26.9	19.6	29.4
61	23.9	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 20.470 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 83 Resp: 5674

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.8	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
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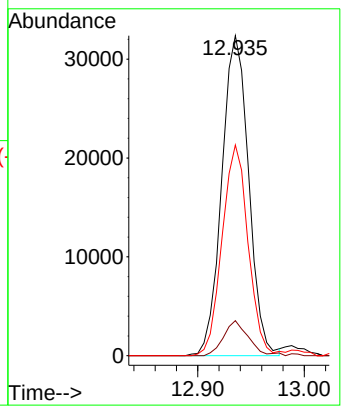
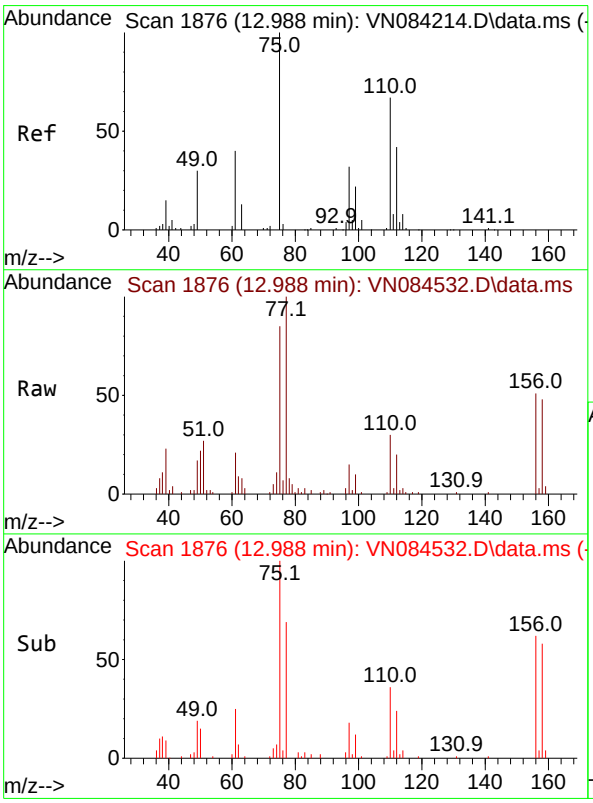
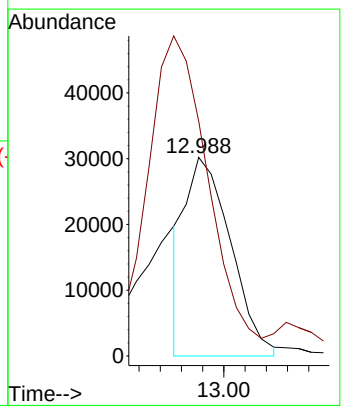


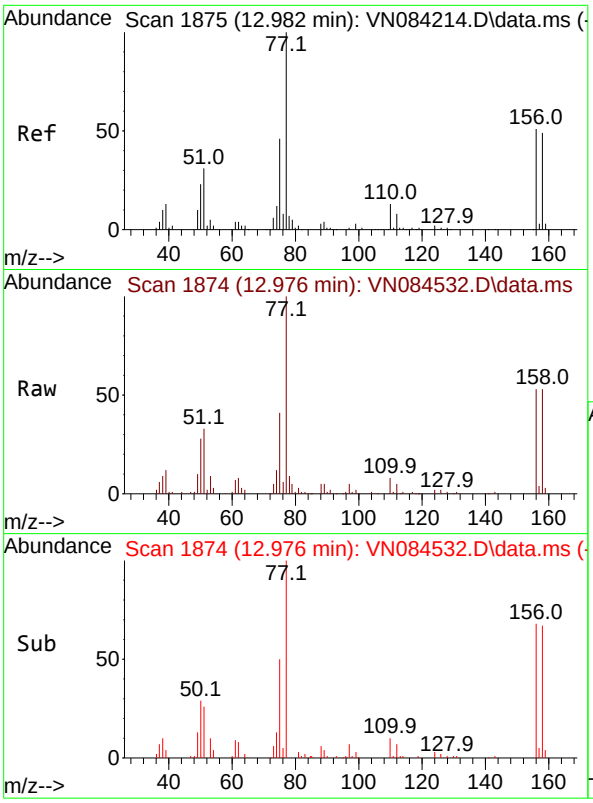


#76
1,2,3-Trichloropropane
Concen: 18.153 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 44770

Ion	Ratio	Lower	Upper
75	100		
77	220.1	96.9	290.7

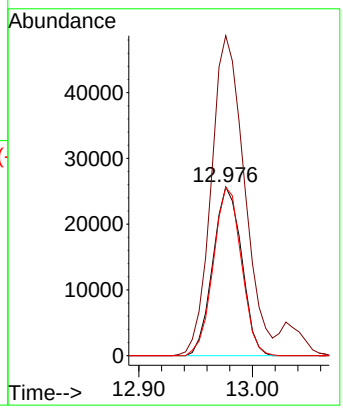




#77
Bromobenzene
Concen: 20.306 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:156 Resp: 4515

Ion	Ratio	Lower	Upper
156	100		
77	218.2	115.1	345.3
158	97.6	48.9	146.8



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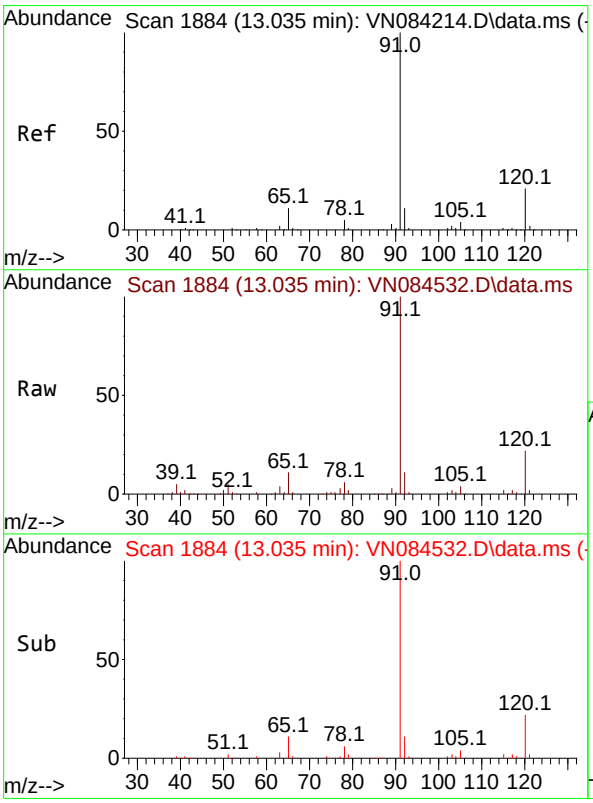
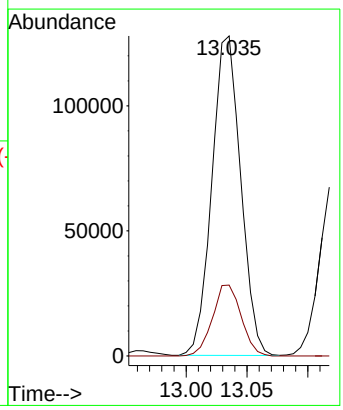
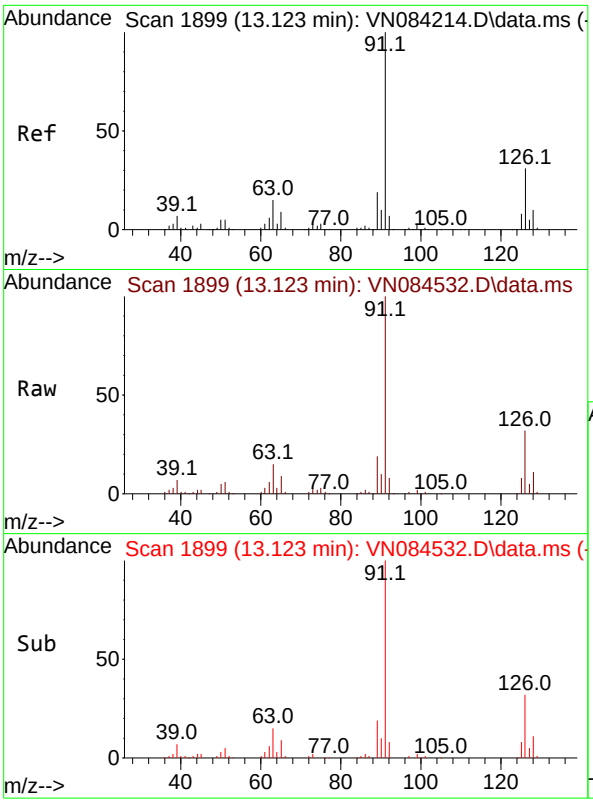


#78
n-propylbenzene
Concen: 19.687 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 210273

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

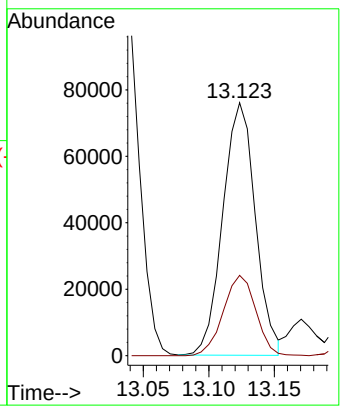




#79
2-Chlorotoluene
Concen: 19.288 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 13145

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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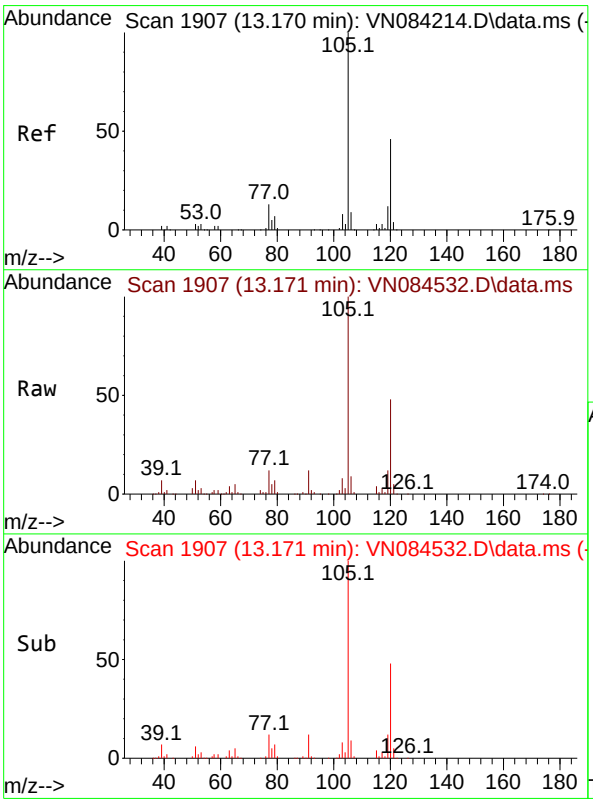
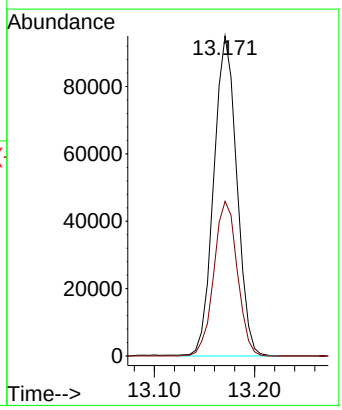
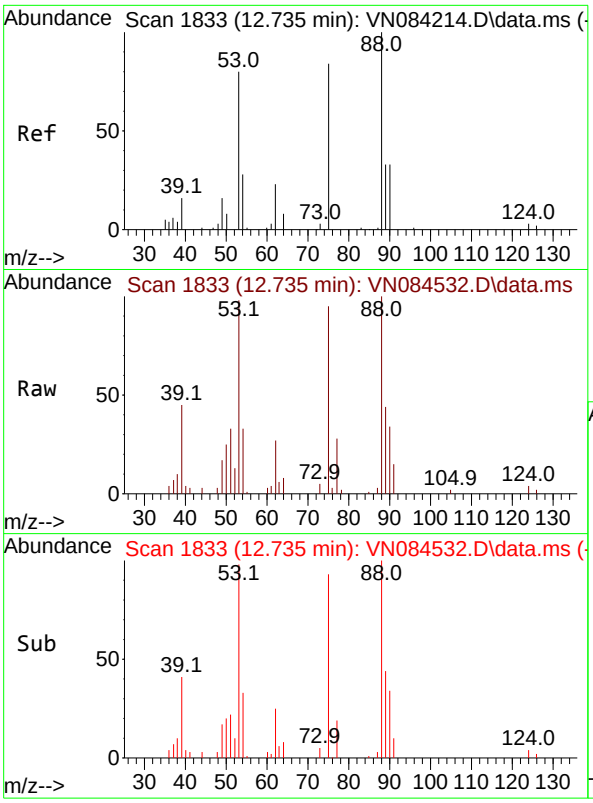


#80
1,3,5-Trimethylbenzene
Concen: 20.169 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:105 Resp: 151668

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 18.617 ug/l m
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 1915

Ion	Ratio	Lower	Upper
75	100		
53	95.6	78.0	117.0
89	47.0	35.5	53.3

Instrument :
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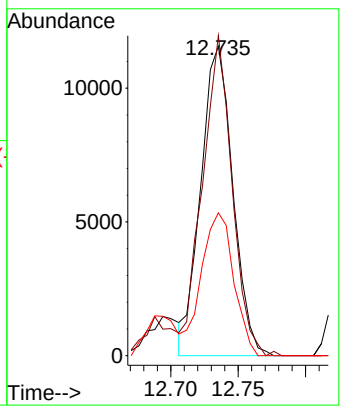
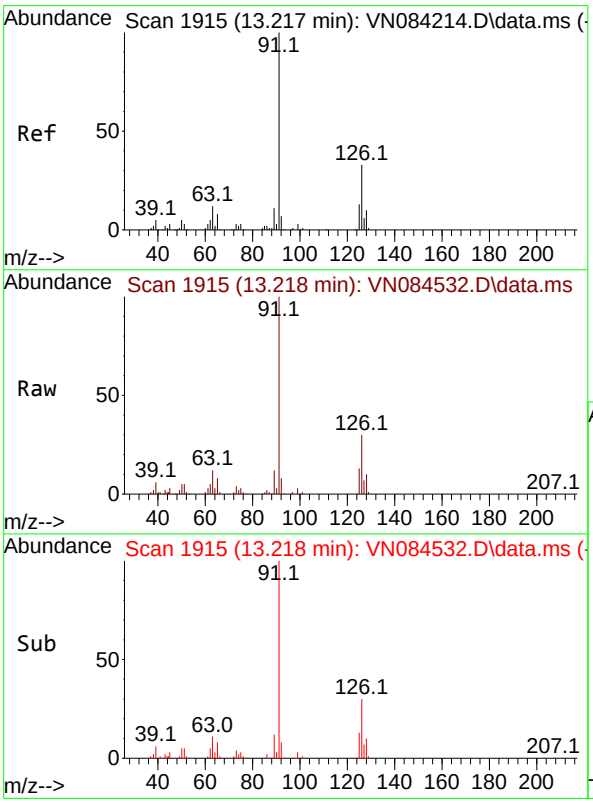
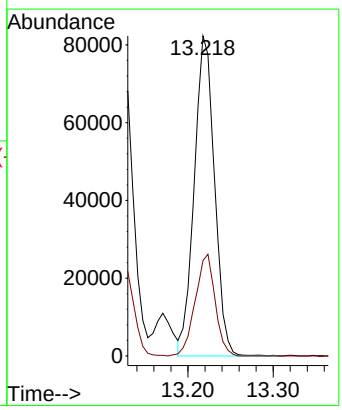


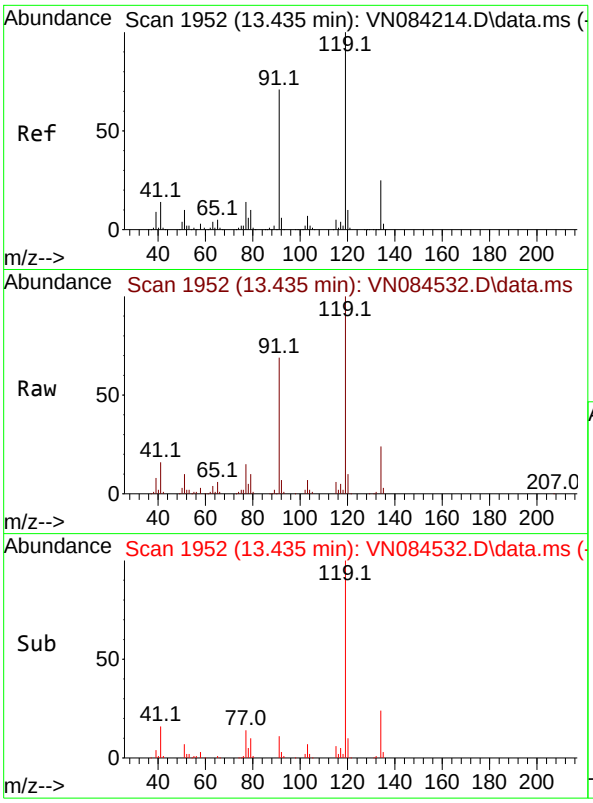


#82
4-Chlorotoluene
Concen: 19.797 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 135824

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

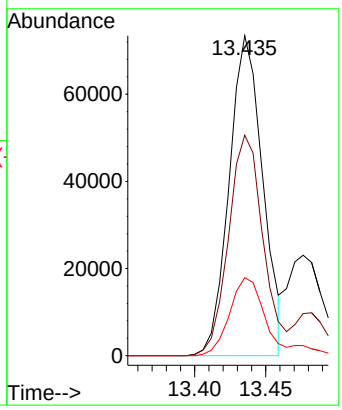




#83
tert-Butylbenzene
Concen: 18.041 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:119 Resp: 12057

Ion	Ratio	Lower	Upper
119	100		
91	71.2	34.1	102.3
134	27.3	12.8	38.4



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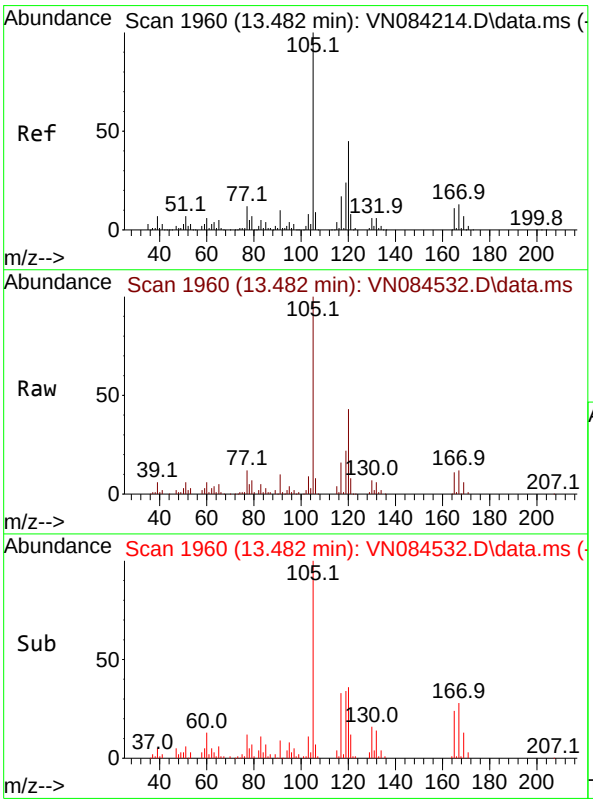
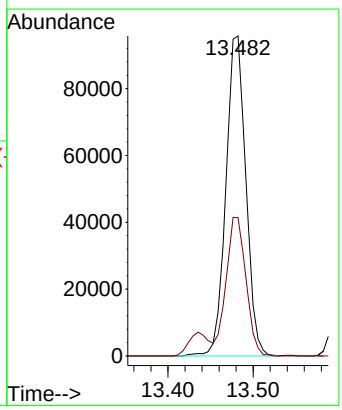
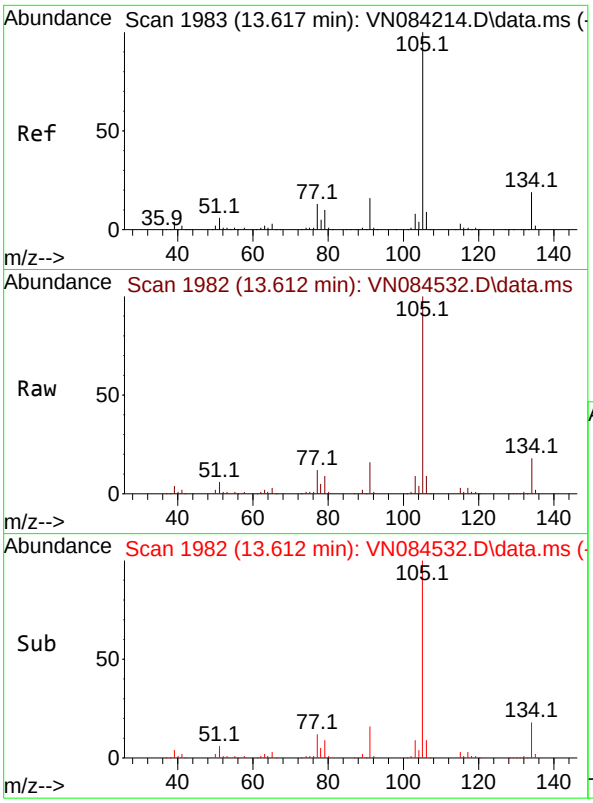


#84
1,2,4-Trimethylbenzene
Concen: 20.600 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:105 Resp: 156050

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.3	66.8

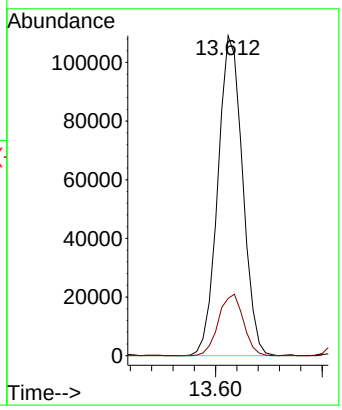




#85
sec-Butylbenzene
Concen: 19.700 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:105 Resp: 17569

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
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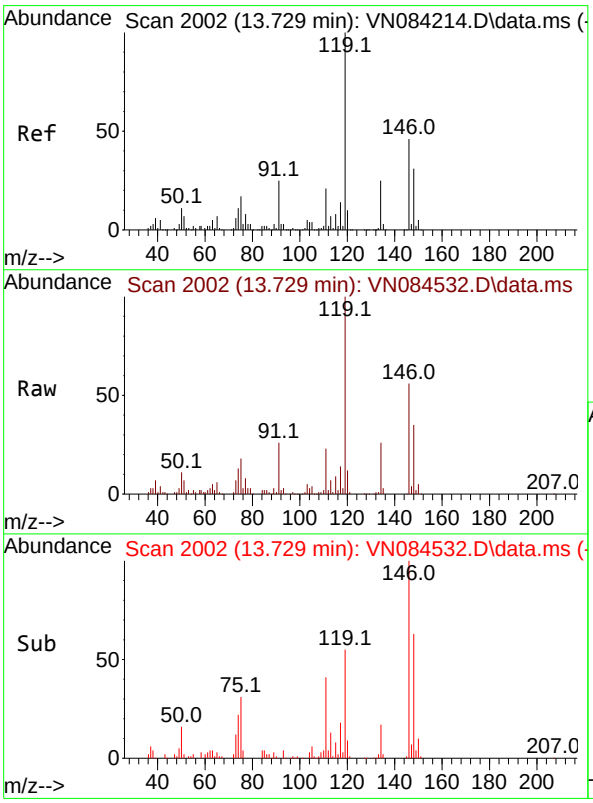
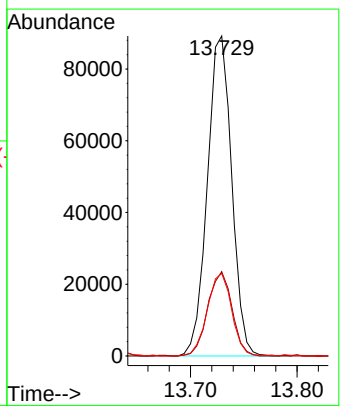
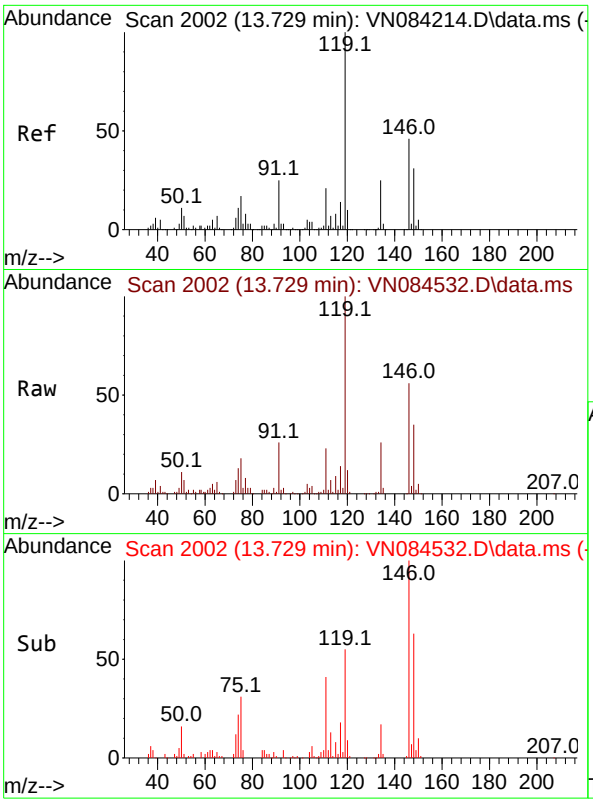


#86
p-Isopropyltoluene
Concen: 19.194 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:119 Resp: 141559

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.6	37.8
91	26.0	12.4	37.2

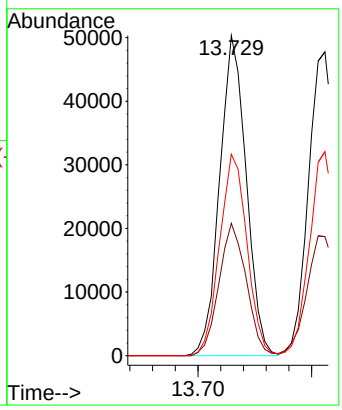




#87
1,3-Dichlorobenzene
Concen: 19.602 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:146 Resp: 8176

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

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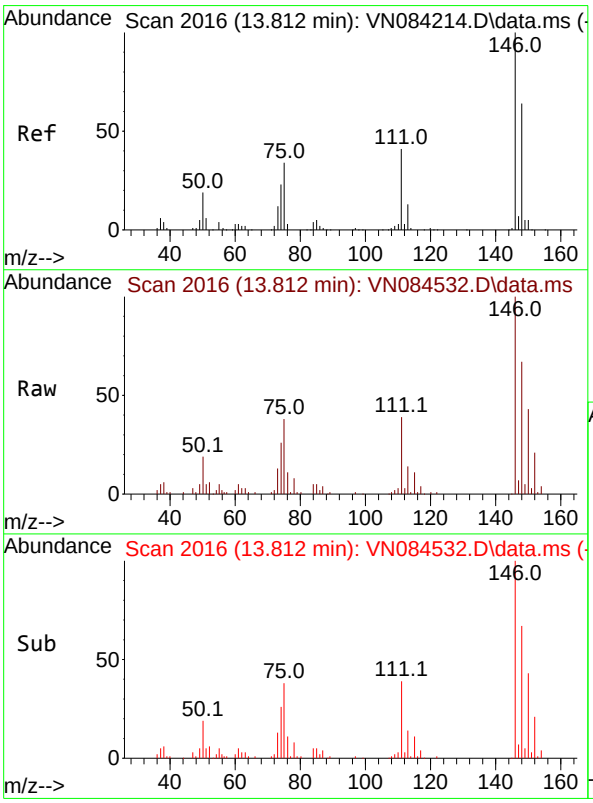
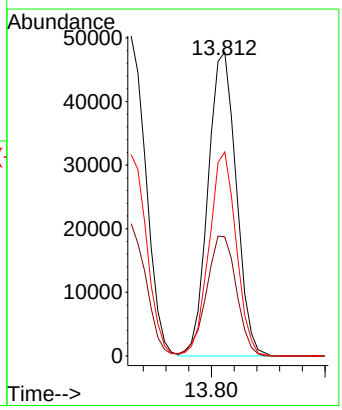
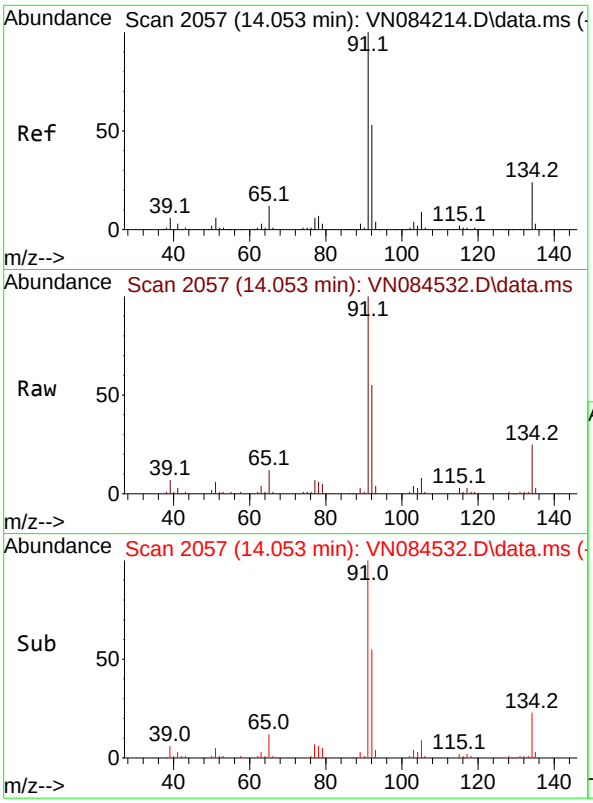


#88
1,4-Dichlorobenzene
Concen: 19.525 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:146 Resp: 82250

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.7	31.9	95.9

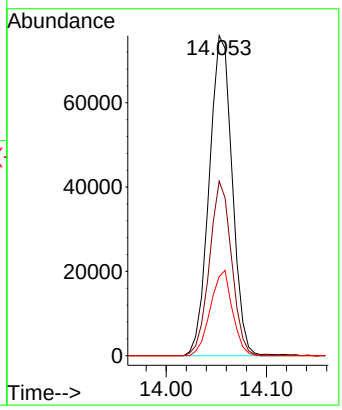




#89
n-Butylbenzene
Concen: 18.124 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 12120

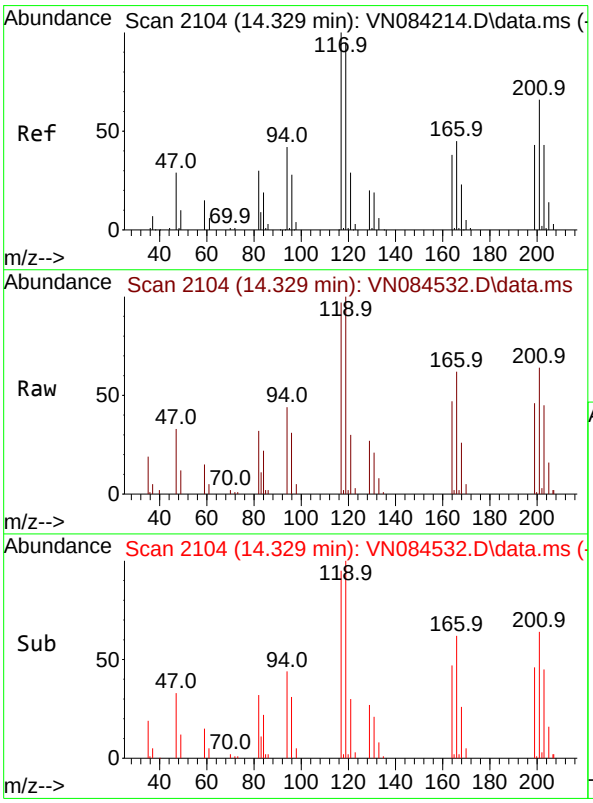
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.7
134	25.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations APPROVED

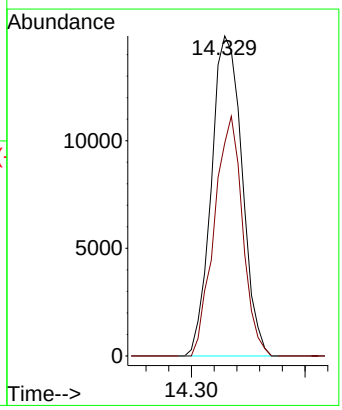
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

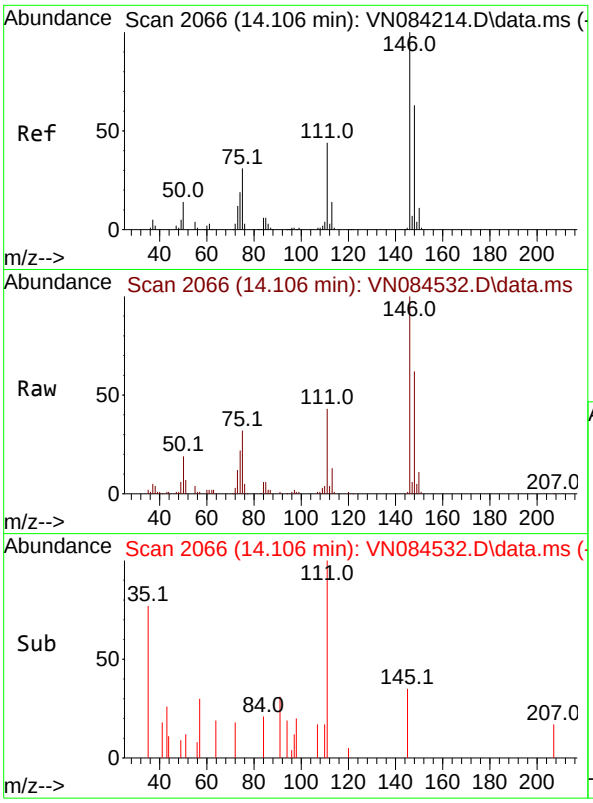


#90
Hexachloroethane
Concen: 18.641 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:117 Resp: 27906

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2

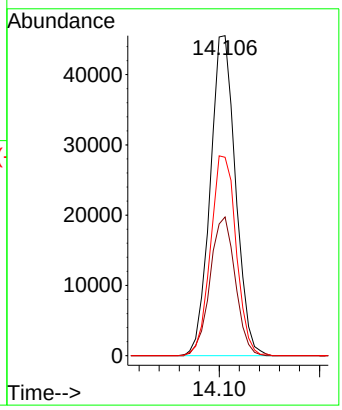




#91
1,2-Dichlorobenzene
Concen: 19.548 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:146 Resp: 7995

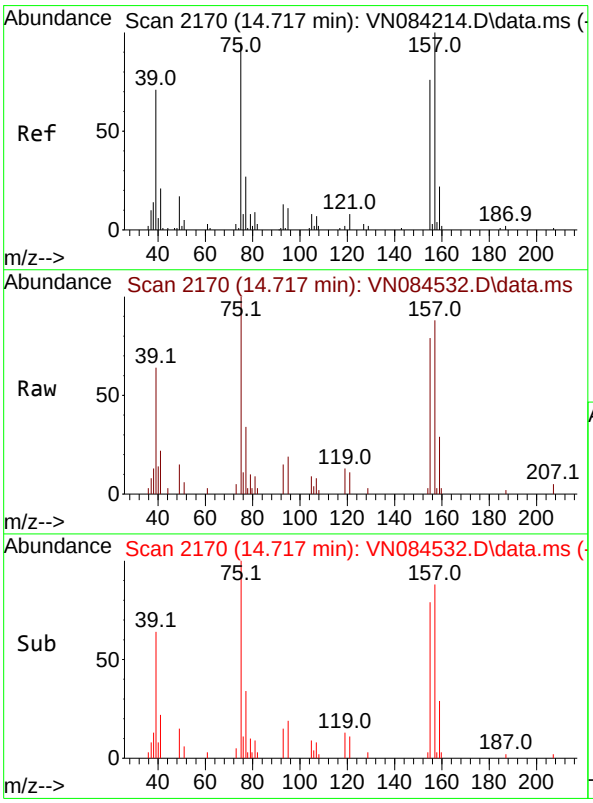
Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

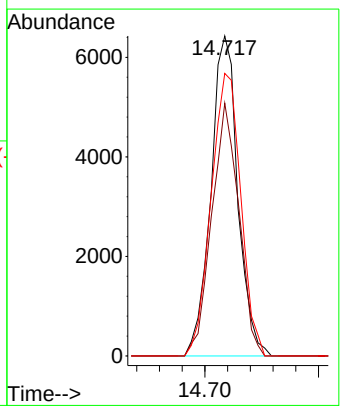
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

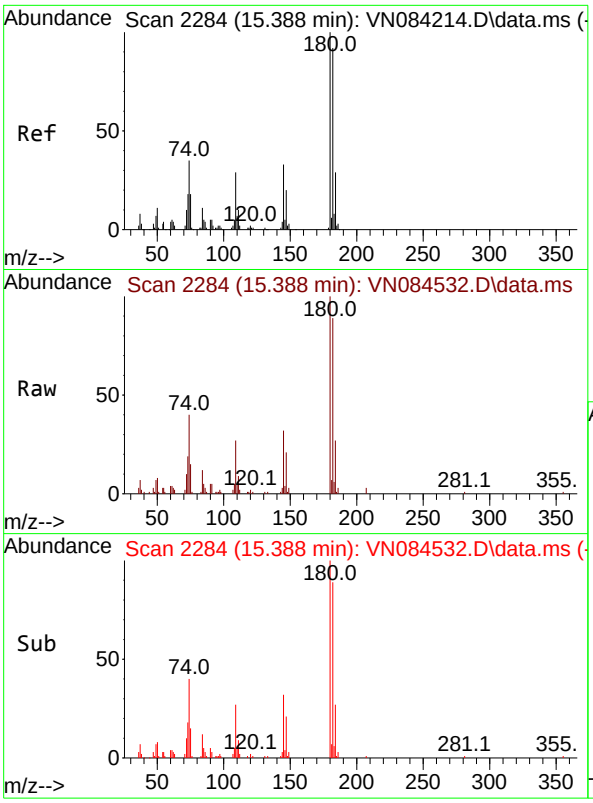


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.526 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 10597

Ion	Ratio	Lower	Upper
75	100		
155	79.5	38.1	114.5
157	97.1	49.6	149.0

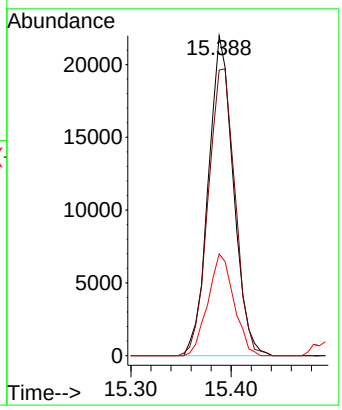




#93
1,2,4-Trichlorobenzene
Concen: 18.931 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:180 Resp: 3814

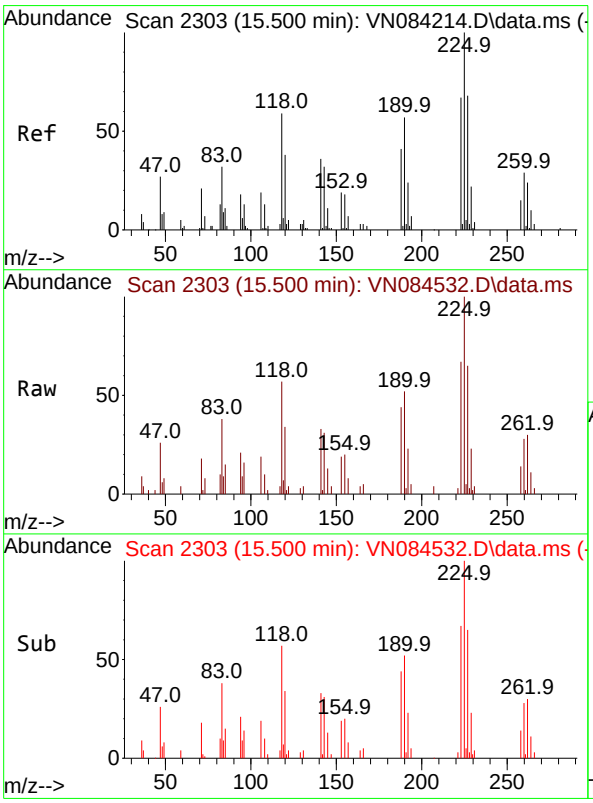
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

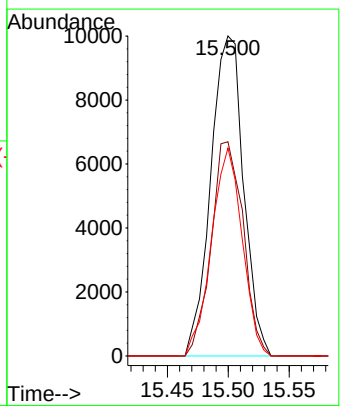
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

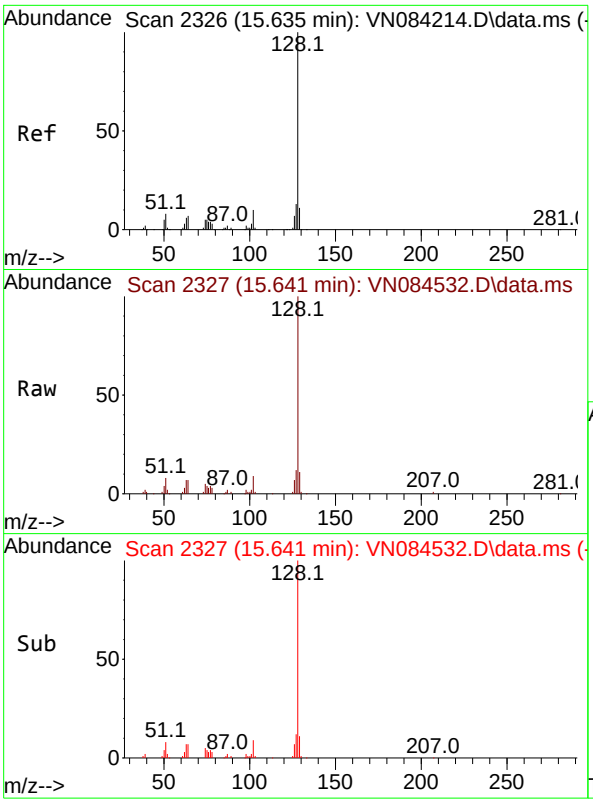


#94
Hexachlorobutadiene
Concen: 18.695 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:225 Resp: 18784

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	60.8	32.4	97.0

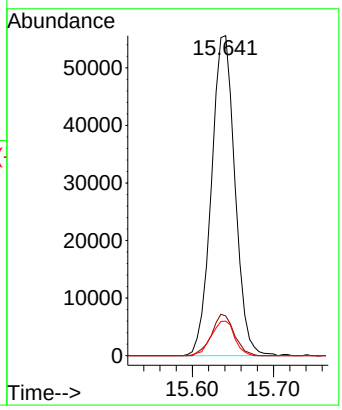




#95
Naphthalene
Concen: 16.742 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:128 Resp: 11182

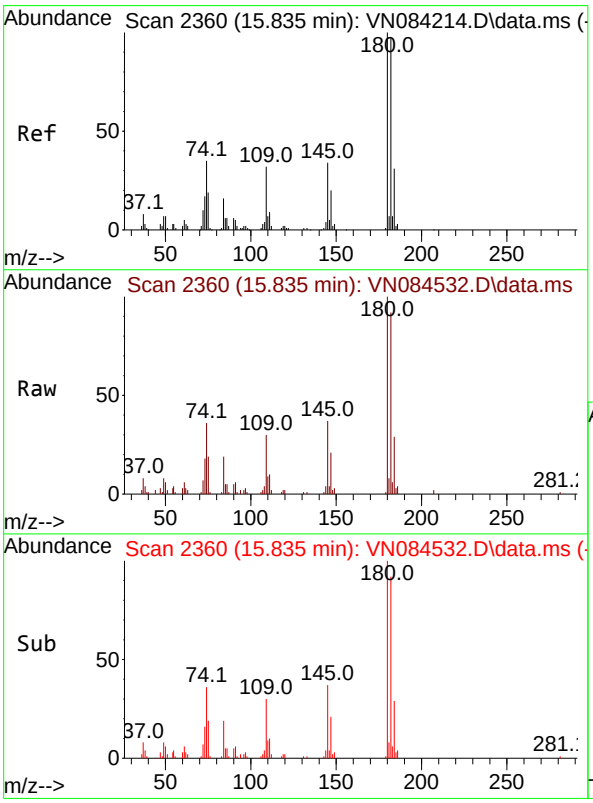
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Manual Integrations
APPROVED

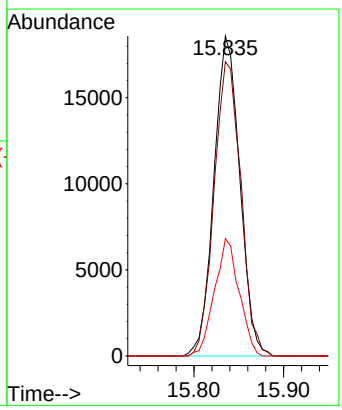
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024



#96
1,2,3-Trichlorobenzene
Concen: 18.432 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:180 Resp: 37173

Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.2	144.6
145	35.0	17.3	51.9



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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340MS	SDG No.:	P4550
Lab Sample ID:	P4550-07MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084540.D	1		10/28/24 15:29	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	44.5		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	46.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	43.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	41.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	51.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	51.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.7		0.26	0.75	1.00	ug/L
67-64-1	Acetone	200		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	42.1		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	51.3		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	50.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	50.8		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.3		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	240		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	51.5		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	52.8		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	49.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	53.1		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	51.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	52.3		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	54.4		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.75	2.50	5.00	ug/L
108-88-3	Toluene	53.7		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	53.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	280		1.10	2.50	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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340MS	SDG No.:	P4550
Lab Sample ID:	P4550-07MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084540.D	1		10/28/24 15:29	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	56.9		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	49.1		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	50.8		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	51.5		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	54.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	55.3		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	57.5		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	47.8		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.2		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.5		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	8.224				
540-36-3	1,4-Difluorobenzene	271000	9.1				
3114-55-4	Chlorobenzene-d5	249000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	118596	50.159	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.320%			
35) Dibromofluoromethane	8.165	113	97391	54.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.160%			
50) Toluene-d8	10.565	98	341956	52.084	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.847	95	132319	55.320	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	84394	44.742	ug/l	95
3) Chloromethane	2.359	50	95743	44.454	ug/l	93
4) Vinyl Chloride	2.512	62	96570	46.289	ug/l	97
5) Bromomethane	2.947	94	59406	43.170	ug/l	91
6) Chloroethane	3.112	64	61228	40.980	ug/l	96
7) Trichlorofluoromethane	3.494	101	166147	51.144	ug/l	98
8) Diethyl Ether	3.959	74	59989	49.789	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	95415	51.259	ug/l	99
10) Methyl Iodide	4.589	142	117950	49.204	ug/l	96
11) Tert butyl alcohol	5.524	59	86543	221.981	ug/l	100
12) 1,1-Dichloroethene	4.341	96	89204	49.683	ug/l	94
13) Acrolein	4.177	56	110877	247.729	ug/l	99
14) Allyl chloride	5.018	41	138532	44.426	ug/l	98
15) Acrylonitrile	5.718	53	262473	266.599	ug/l	99
16) Acetone	4.430	43	206942	203.746	ug/l	96
17) Carbon Disulfide	4.712	76	239062	42.054	ug/l	98
18) Methyl Acetate	5.024	43	129456	58.478	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	310812	51.289	ug/l	99
20) Methylene Chloride	5.277	84	104884	50.799	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	95606	50.825	ug/l	100
22) Diisopropyl ether	6.671	45	334645	51.884	ug/l	99
23) Vinyl Acetate	6.600	43	1165582	243.647	ug/l	99
24) 1,1-Dichloroethane	6.565	63	188749	52.329	ug/l	99
25) 2-Butanone	7.482	43	335882	242.797	ug/l	100
26) 2,2-Dichloropropane	7.488	77	155824	47.913	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	117036	51.488	ug/l	96
28) Bromochloromethane	7.812	49	77273	48.015	ug/l	96
29) Tetrahydrofuran	7.841	42	229105	268.364	ug/l	97
30) Chloroform	7.965	83	197637	52.750	ug/l	99
31) Cyclohexane	8.253	56	155023	44.265	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	175686	52.211	ug/l	99
36) 1,1-Dichloropropene	8.371	75	133369	51.452	ug/l	99
37) Ethyl Acetate	7.559	43	136738	51.419	ug/l	98
38) Carbon Tetrachloride	8.359	117	152321	53.570	ug/l	98
39) Methylcyclohexane	9.600	83	141869	49.176	ug/l	98
40) Benzene	8.606	78	428549	53.064	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	76591	53.052	ug/l		97
42) 1,2-Dichloroethane	8.671	62	141711	51.759	ug/l		99
43) Isopropyl Acetate	8.688	43	226393	43.464	ug/l		97
44) Trichloroethene	9.347	130	98607	52.277	ug/l		97
45) 1,2-Dichloropropane	9.618	63	103844	54.355	ug/l		97
46) Dibromomethane	9.712	93	73528	57.031	ug/l		98
47) Bromodichloromethane	9.888	83	156464	54.624	ug/l		99
48) Methyl methacrylate	9.676	41	110713	53.396	ug/l		99
49) 1,4-Dioxane	9.694	88	40916	1071.873	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	719221	284.107	ug/l		100
52) Toluene	10.629	92	264357	53.679	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	156908	53.739	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	157808	50.248	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	101219	57.332	ug/l		95
56) Ethyl methacrylate	10.870	69	161808	55.699	ug/l		98
57) 1,3-Dichloropropane	11.159	76	169857	53.842	ug/l		99
59) 2-Hexanone	11.194	43	527568	278.829	ug/l		98
60) Dibromochloromethane	11.359	129	118782	56.943	ug/l		99
61) 1,2-Dibromoethane	11.470	107	101282	55.209	ug/l		99
64) Tetrachloroethene	11.100	164	85094	49.051	ug/l		99
65) Chlorobenzene	11.888	112	280407	50.776	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	101295	53.253	ug/l		99
67) Ethyl Benzene	11.965	91	502523	51.455	ug/l		99
68) m/p-Xylenes	12.070	106	387245	107.192	ug/l		99
69) o-Xylene	12.400	106	185754	54.346	ug/l		98
70) Styrene	12.412	104	320263	55.319	ug/l		99
71) Bromoform	12.576	173	80470	57.461	ug/l	#	98
73) Isopropylbenzene	12.694	105	472876	47.803	ug/l		99
74) N-amyl acetate	12.494	43	201025	44.876	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	149767	50.350	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	123007m	46.479	ug/l		
77) Bromobenzene	12.976	156	115100	48.237	ug/l		96
78) n-propylbenzene	13.035	91	567662	49.529	ug/l		99
79) 2-Chlorotoluene	13.123	91	349631	47.807	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	405680	50.275	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	50423	45.678	ug/l		90
82) 4-Chlorotoluene	13.217	91	355598	48.301	ug/l		99
83) tert-Butylbenzene	13.435	119	347621	48.470	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	414620	51.006	ug/l		99
85) sec-Butylbenzene	13.617	105	473419	49.467	ug/l		100
86) p-Isopropyltoluene	13.729	119	400441	50.600	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	217557	48.602	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	213556	47.242	ug/l		99
89) n-Butylbenzene	14.053	91	335833	46.800	ug/l		100
90) Hexachloroethane	14.329	117	73059	45.481	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	208440	47.489	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27746	45.203	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	97943	45.303	ug/l		98
94) Hexachlorobutadiene	15.500	225	44874	41.621	ug/l		98
95) Naphthalene	15.641	128	322365	44.978	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	100172	46.288	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
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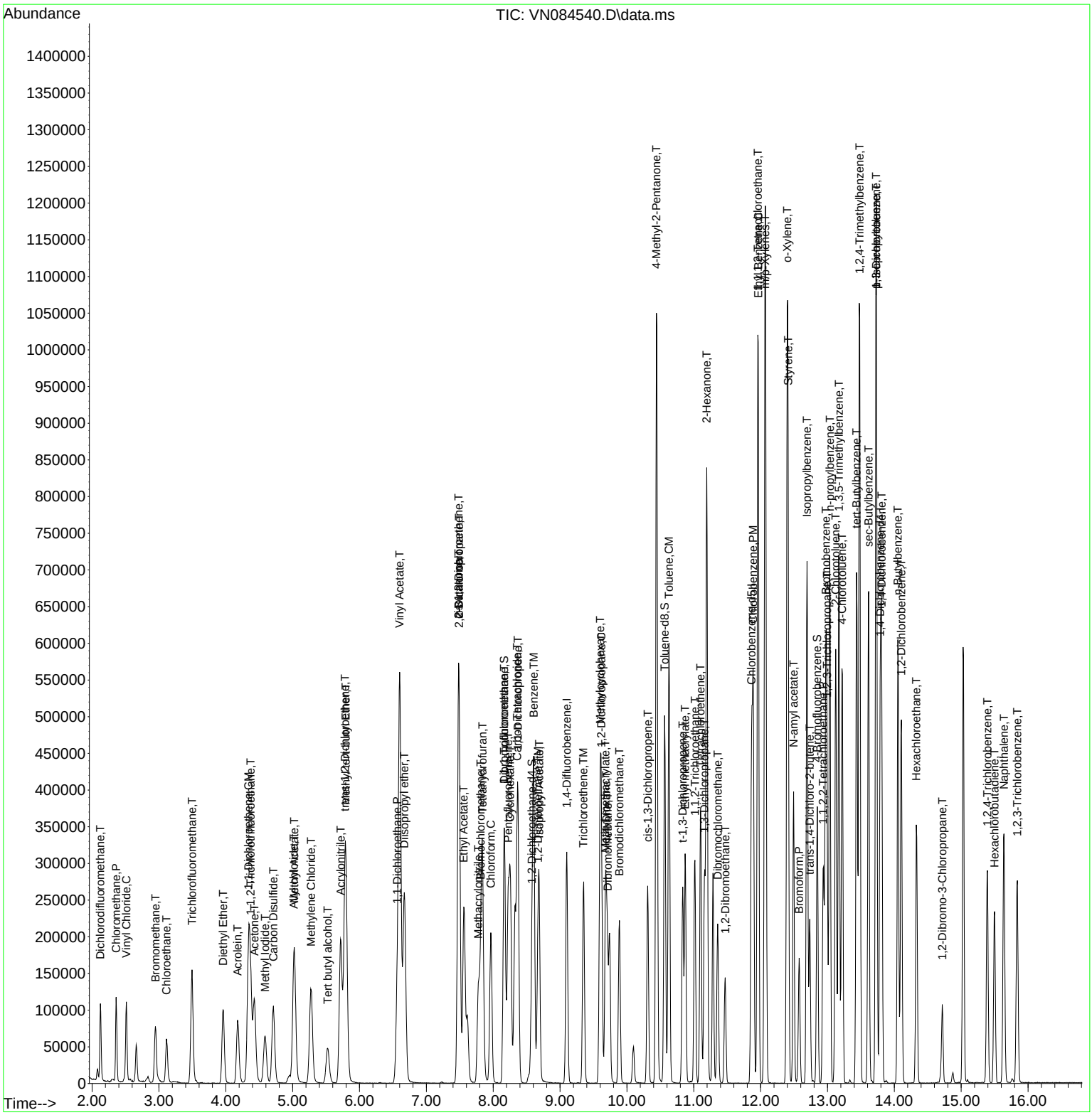
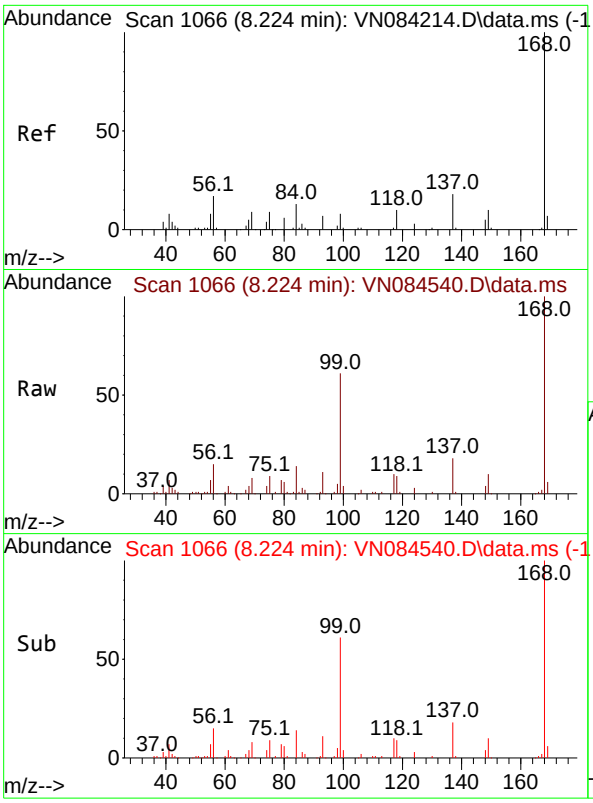
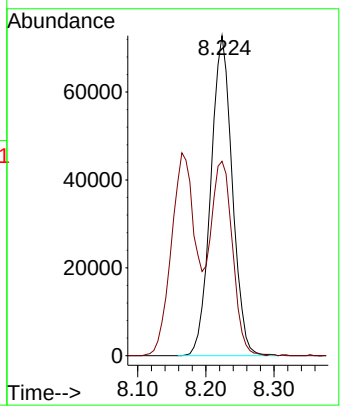




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:168 Resp: 15946

Ion	Ratio	Lower	Upper
168	100		
99	60.7	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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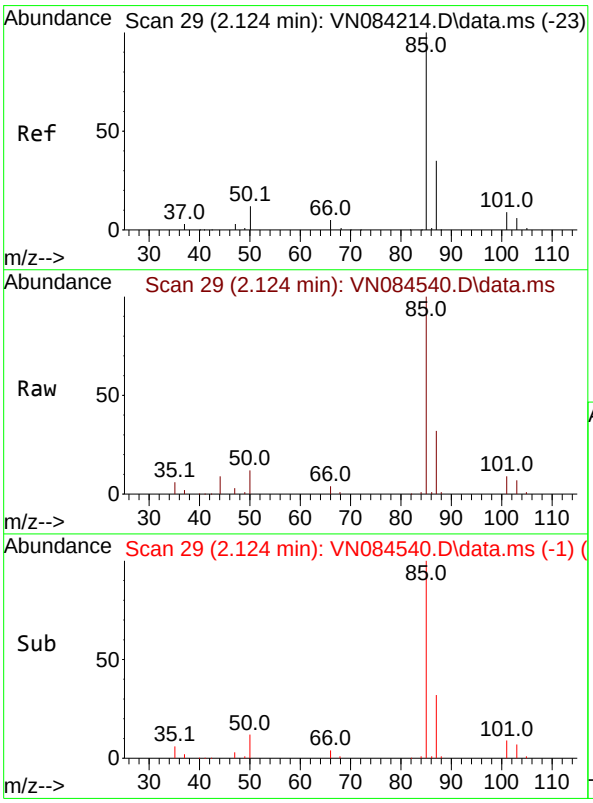
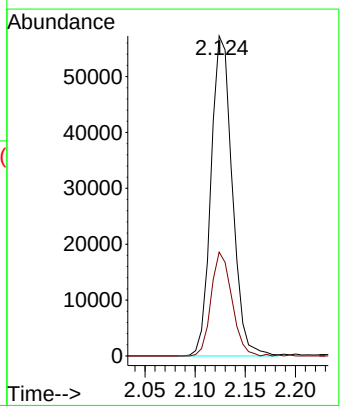
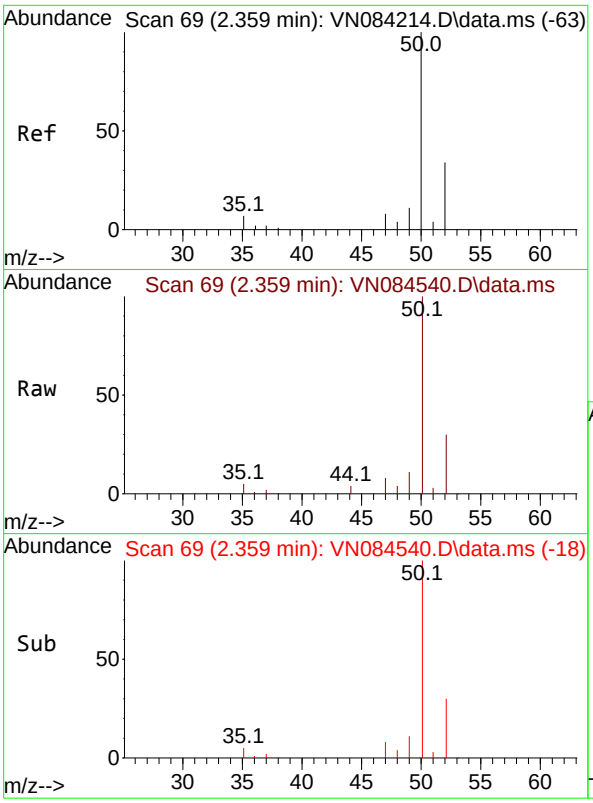


#2
Dichlorodifluoromethane
Concen: 44.742 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 85 Resp: 84394

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.6	52.9

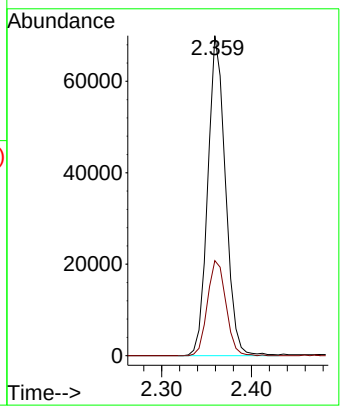




#3
Chloromethane
Concen: 44.454 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 50 Resp: 9574

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
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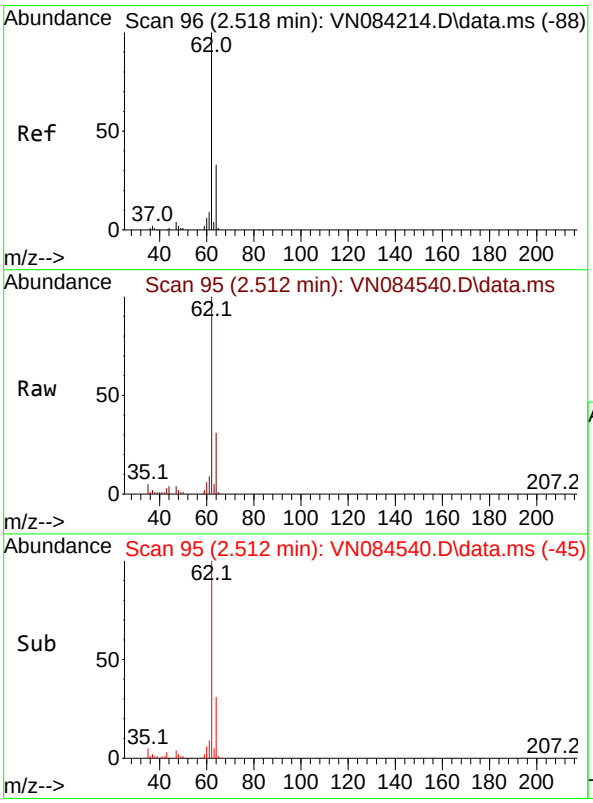
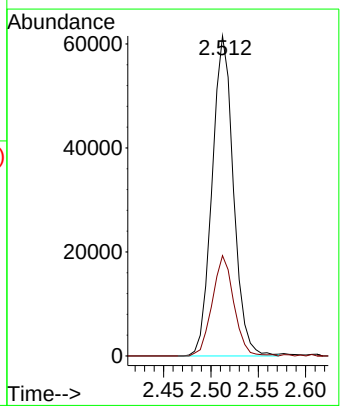
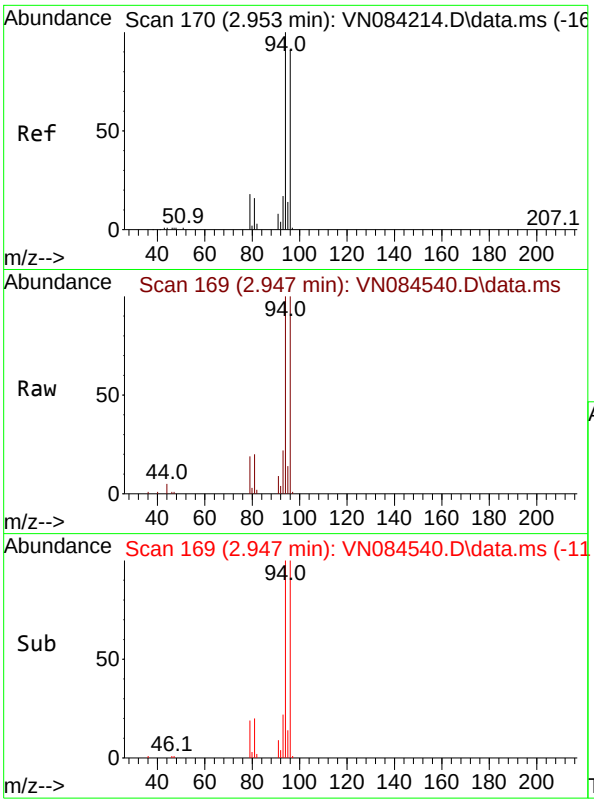


#4
Vinyl Chloride
Concen: 46.289 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 62 Resp: 96570

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.2	39.4

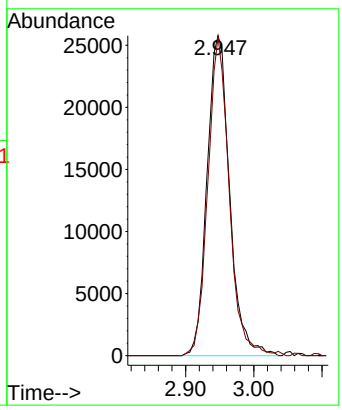




#5
Bromomethane
Concen: 43.170 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 94 Resp: 5940

Ion	Ratio	Lower	Upper
94	100		
96	99.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
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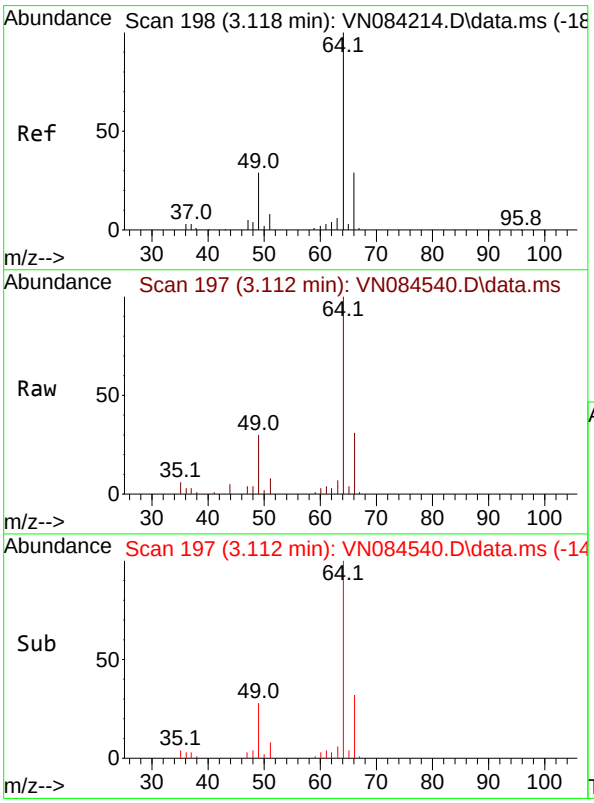
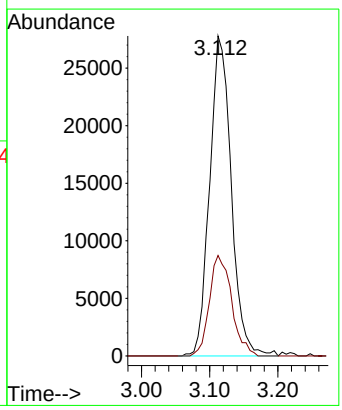
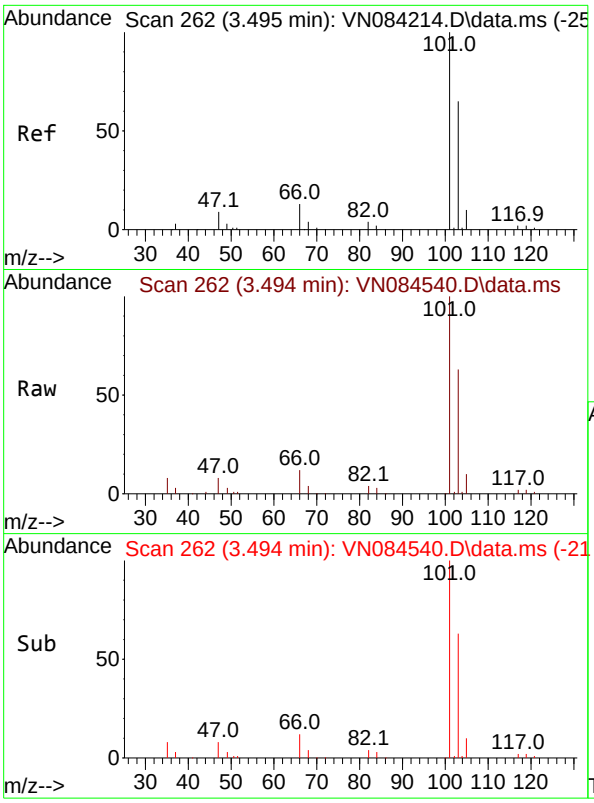


#6
Chloroethane
Concen: 40.980 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 64 Resp: 61228

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3

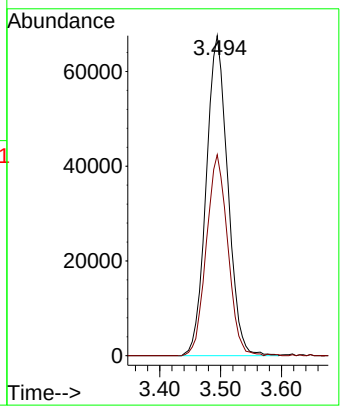




#7
Trichlorofluoromethane
Concen: 51.144 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:101 Resp: 16614

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.8	77.6



Instrument :
MSVOA_N
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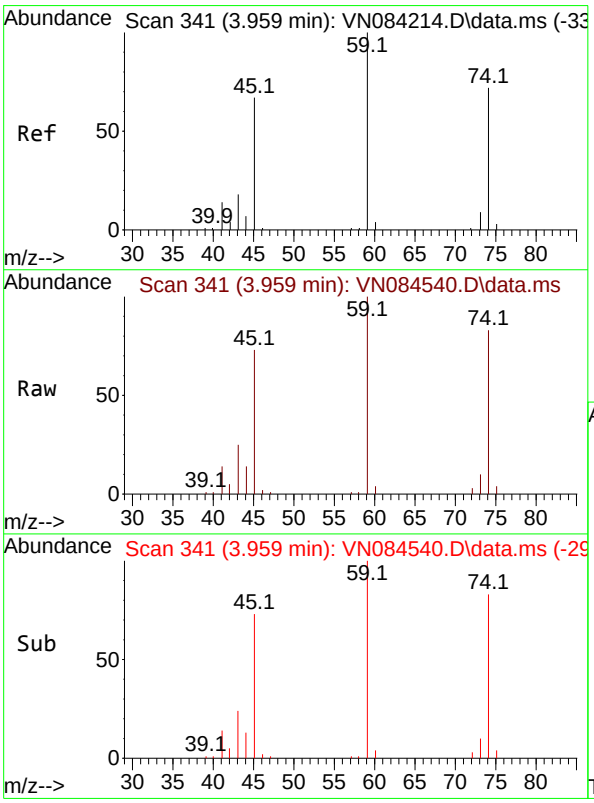
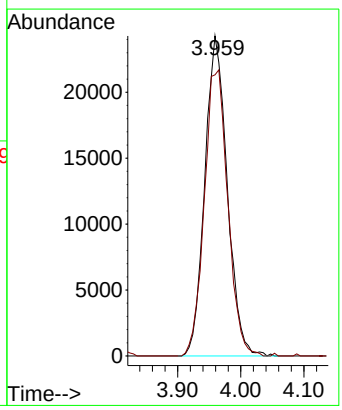
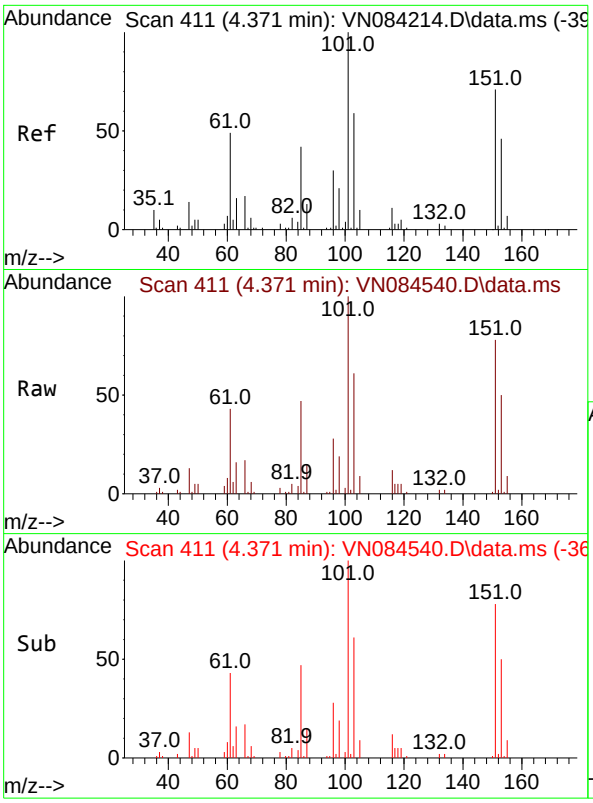


#8
Diethyl Ether
Concen: 49.789 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 74 Resp: 59989

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.259 ug/l
RT: 4.371 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:101 Resp: 9541

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	74.2	59.3	88.9

Instrument :
MSVOA_N
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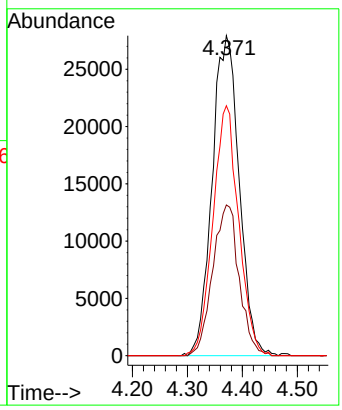
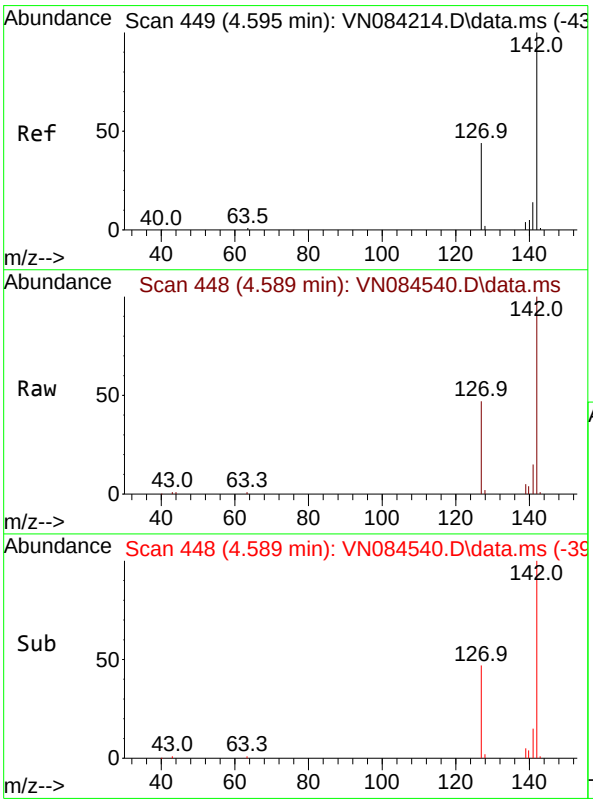
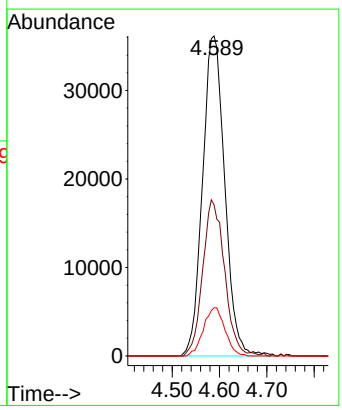


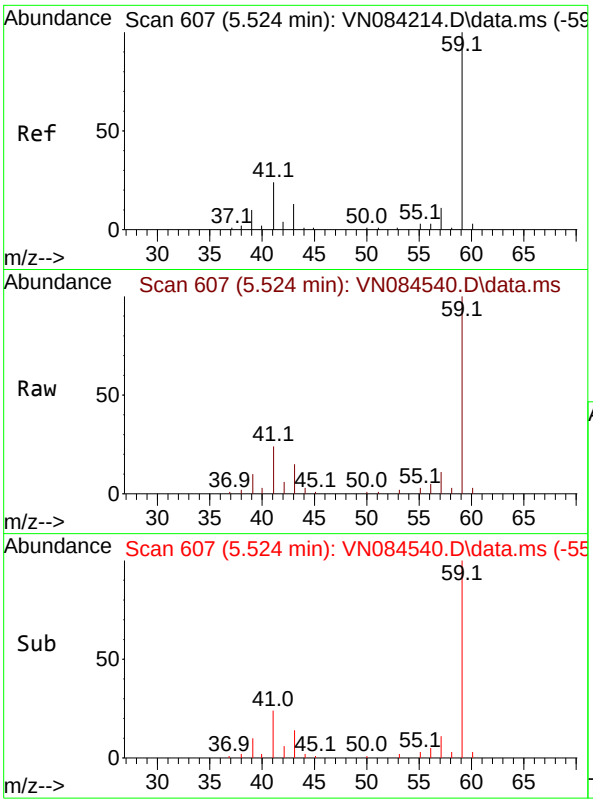


#10
Methyl Iodide
Concen: 49.204 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:142 Resp: 117950

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	15.0	11.0	16.6

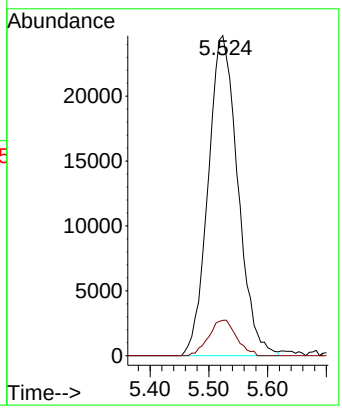




#11
Tert butyl alcohol
Concen: 221.981 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 59 Resp: 8654

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
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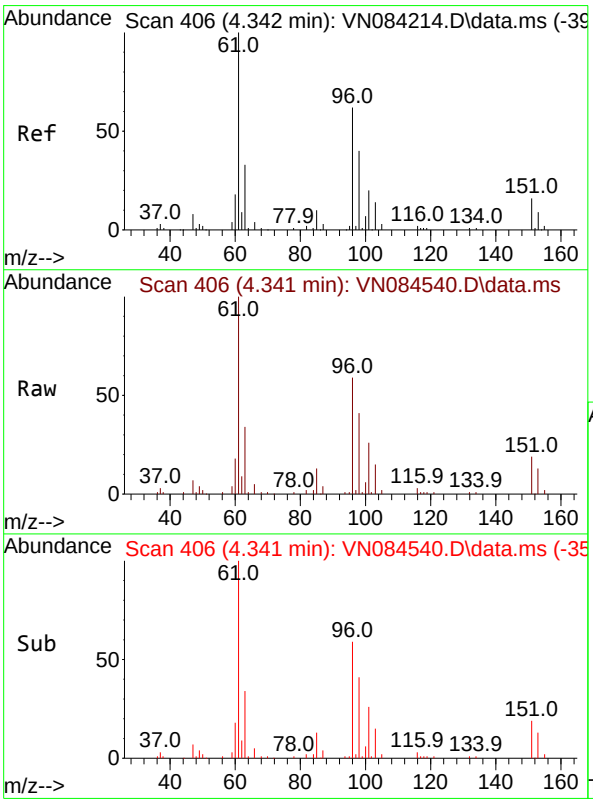
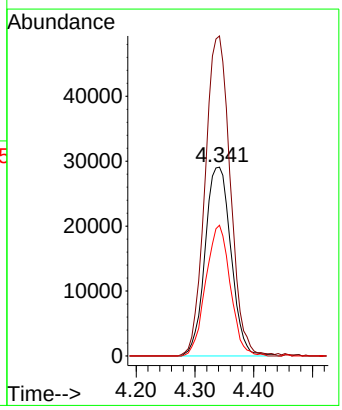
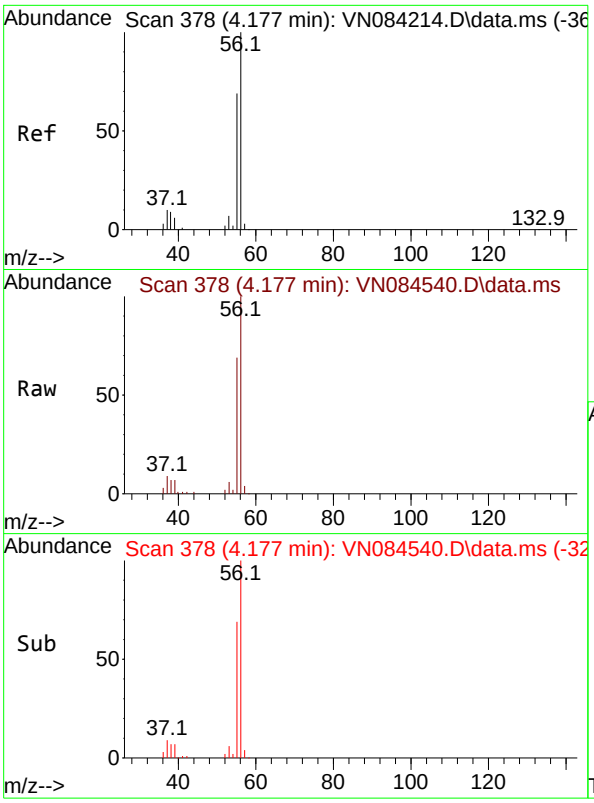


#12
1,1-Dichloroethene
Concen: 49.683 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 96 Resp: 89204

Ion	Ratio	Lower	Upper
96	100		
61	169.5	128.6	192.8
98	69.2	51.7	77.5

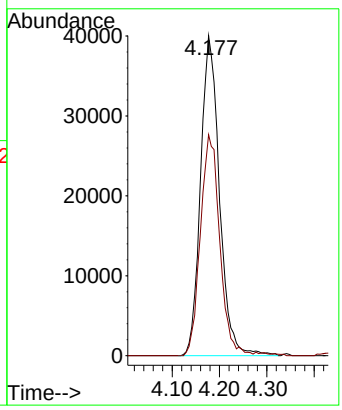




#13
Acrolein
Concen: 247.729 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 56 Resp: 11087

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8



Instrument :
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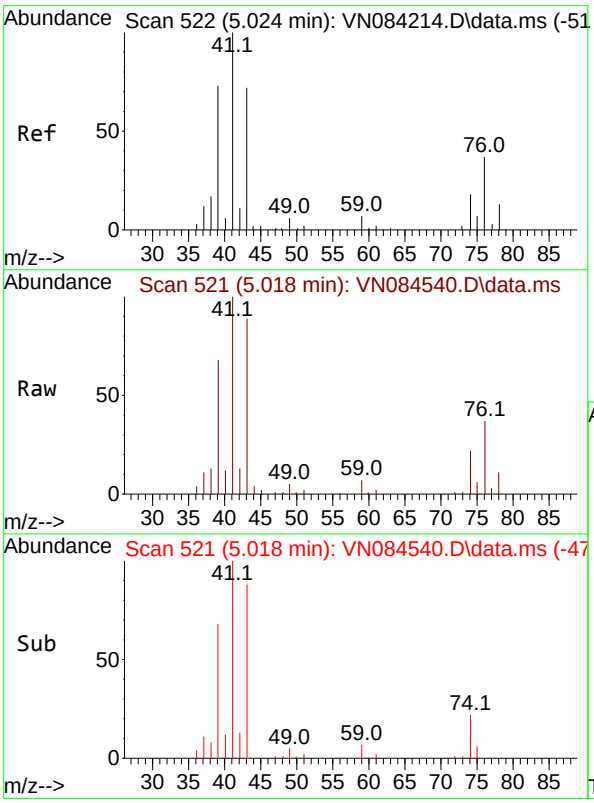
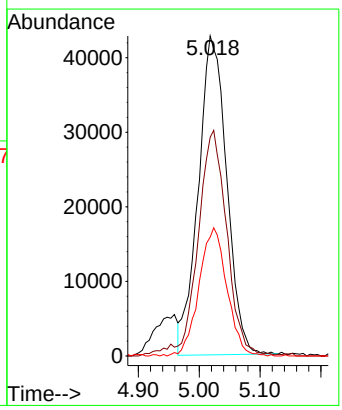
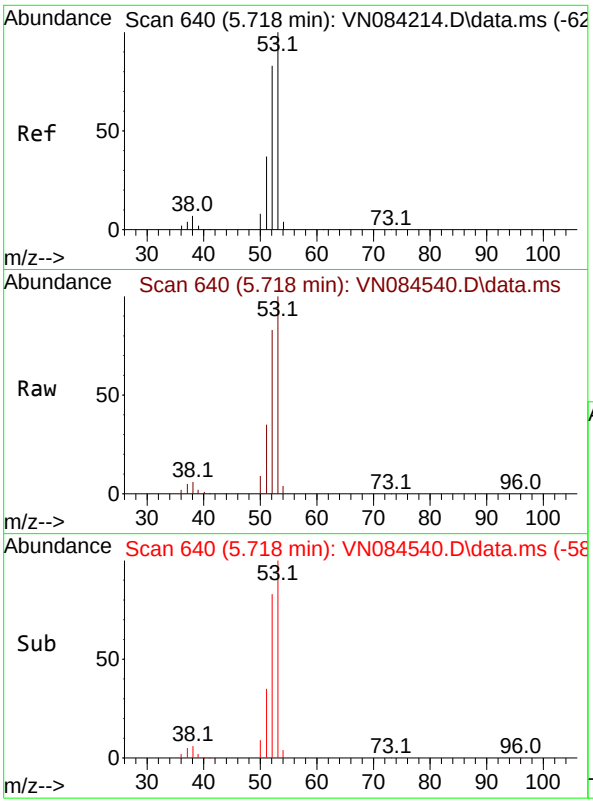


#14
Allyl chloride
Concen: 44.426 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 41 Resp: 138532

Ion	Ratio	Lower	Upper
41	100		
39	72.4	59.0	88.6
76	39.6	29.8	44.6





#15
Acrylonitrile
Concen: 266.599 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 53 Resp: 26247

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.0	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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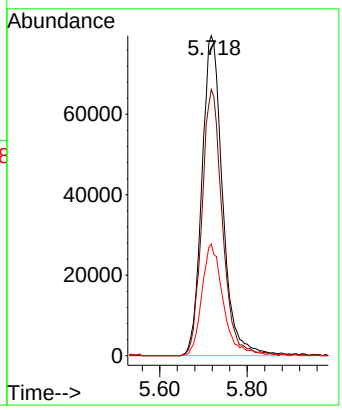
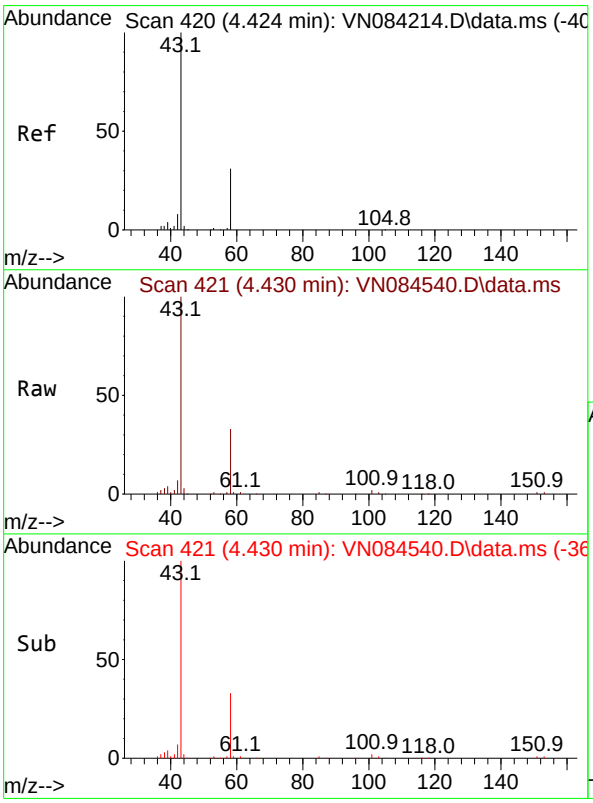
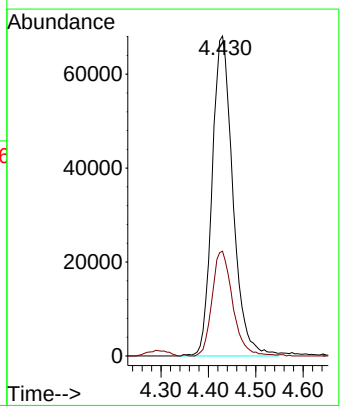


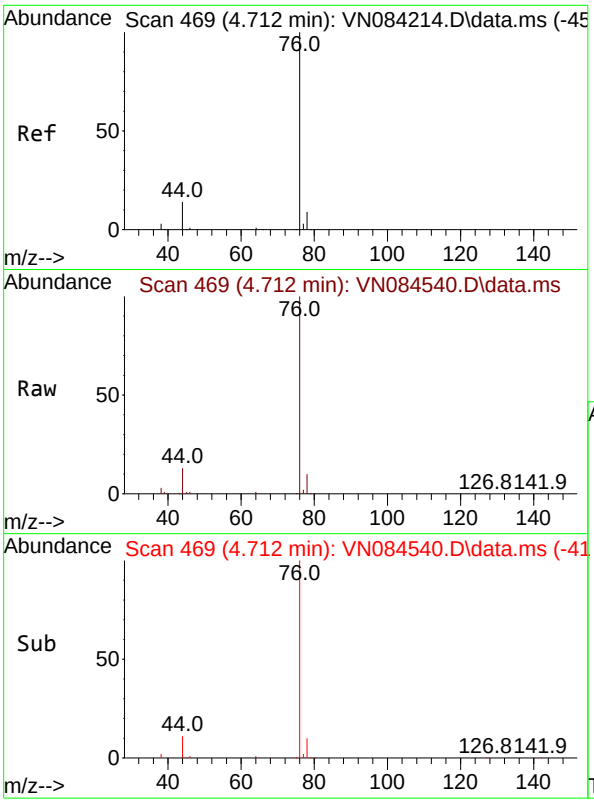


#16
Acetone
Concen: 203.746 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 206942

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.4	36.6

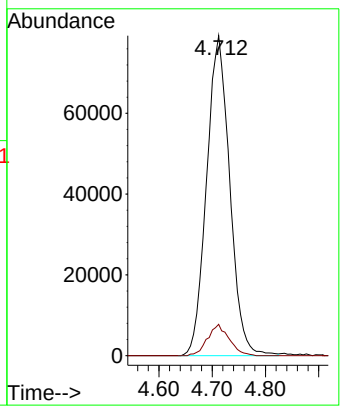




#17
Carbon Disulfide
Concen: 42.054 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 76 Resp: 23906

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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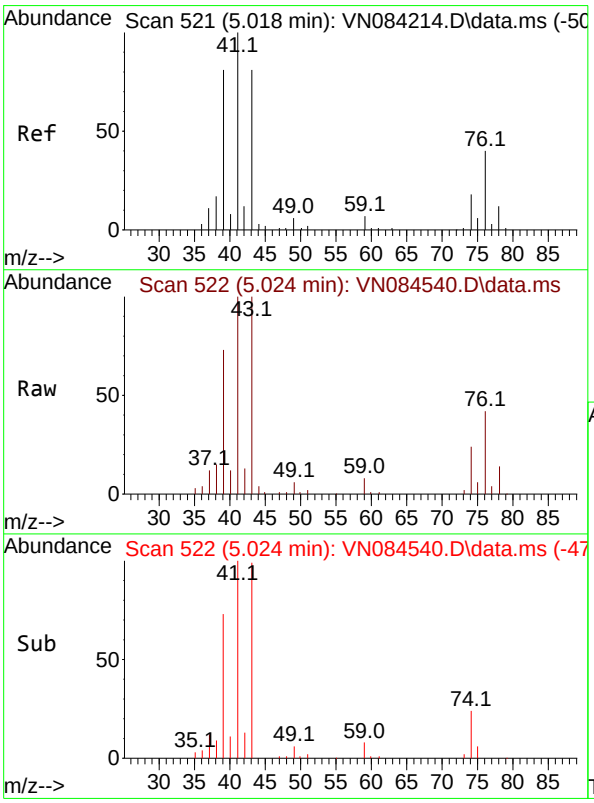
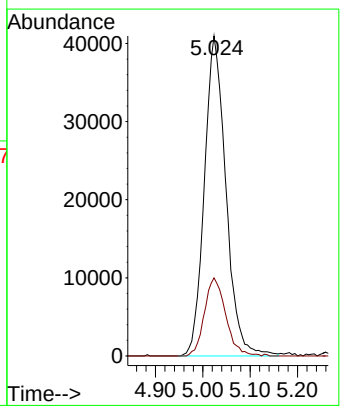
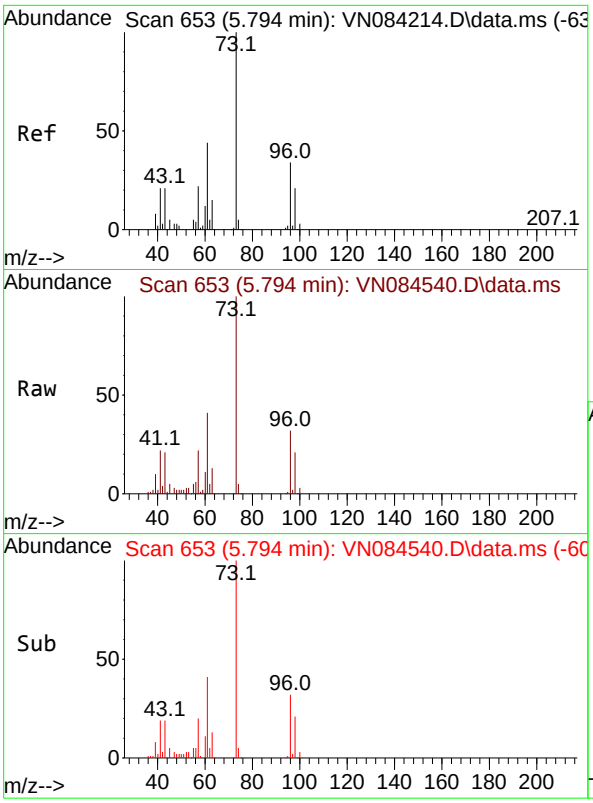


#18
Methyl Acetate
Concen: 58.478 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 129456

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8

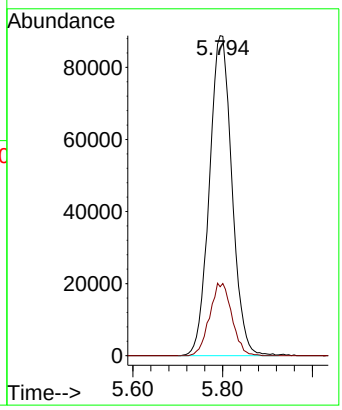




#19
Methyl tert-butyl Ether
Concen: 51.289 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 73 Resp: 31081

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
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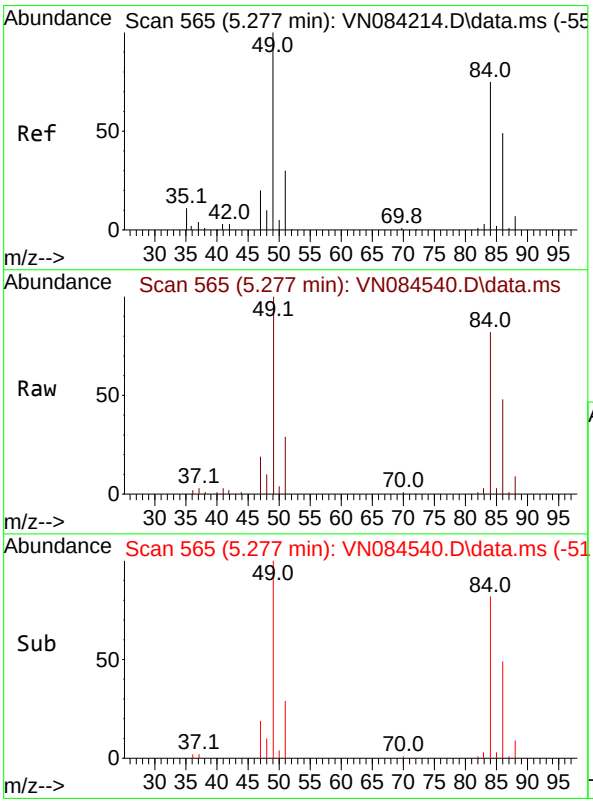
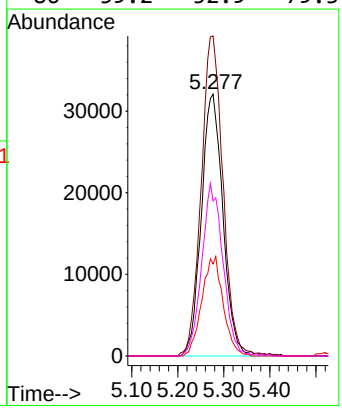
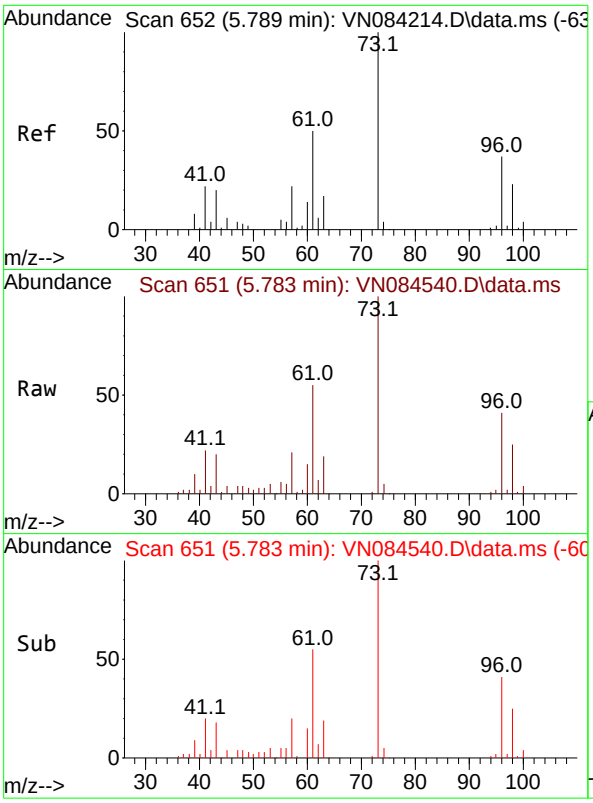


#20
Methylene Chloride
Concen: 50.799 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 84 Resp: 104884

Ion	Ratio	Lower	Upper
84	100		
49	122.3	107.2	160.8
51	35.1	31.8	47.8
86	59.2	52.9	79.3

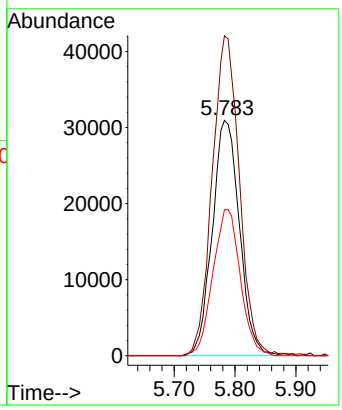




#21
trans-1,2-Dichloroethene
Concen: 50.825 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 96 Resp: 9560

Ion	Ratio	Lower	Upper
96	100		
61	136.0	108.4	162.6
98	62.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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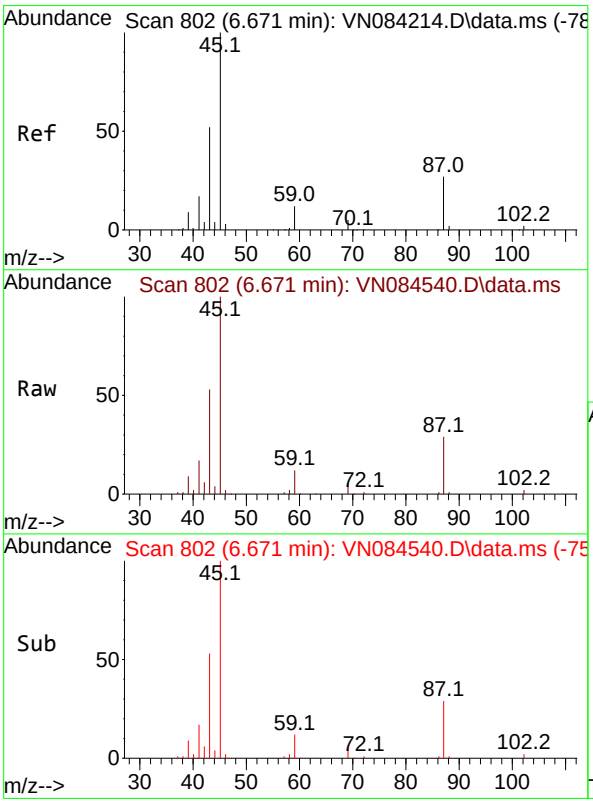
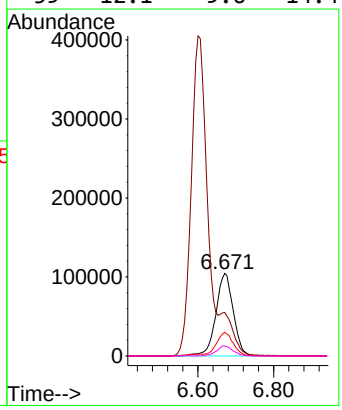
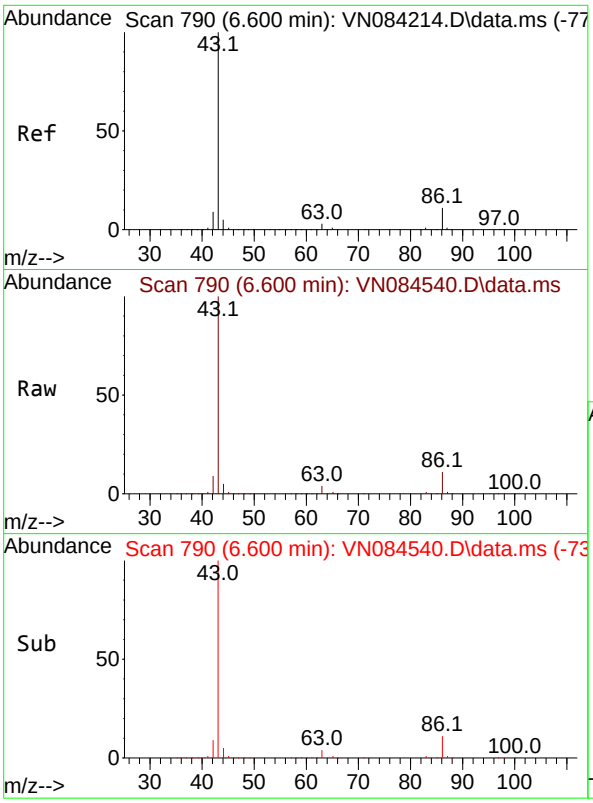


#22
Diisopropyl ether
Concen: 51.884 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 45 Resp: 334645

Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.3	63.5
87	28.6	21.8	32.6
59	12.1	9.6	14.4





#23
Vinyl Acetate
Concen: 243.647 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 116558

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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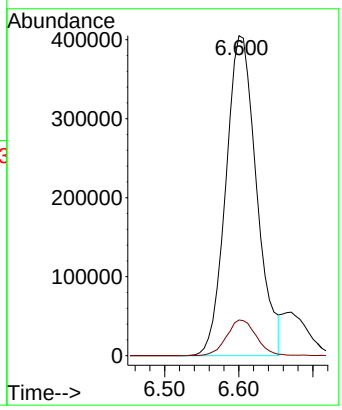
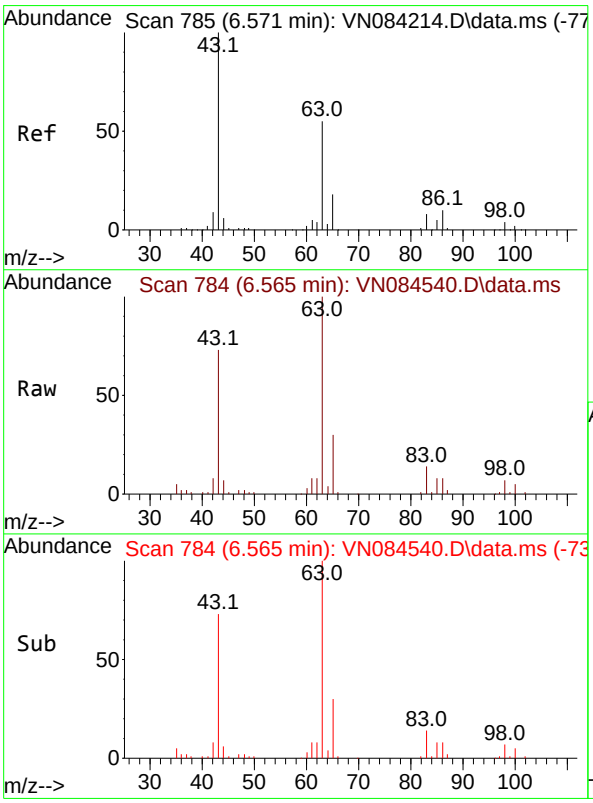
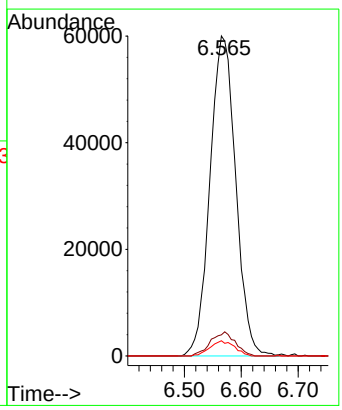


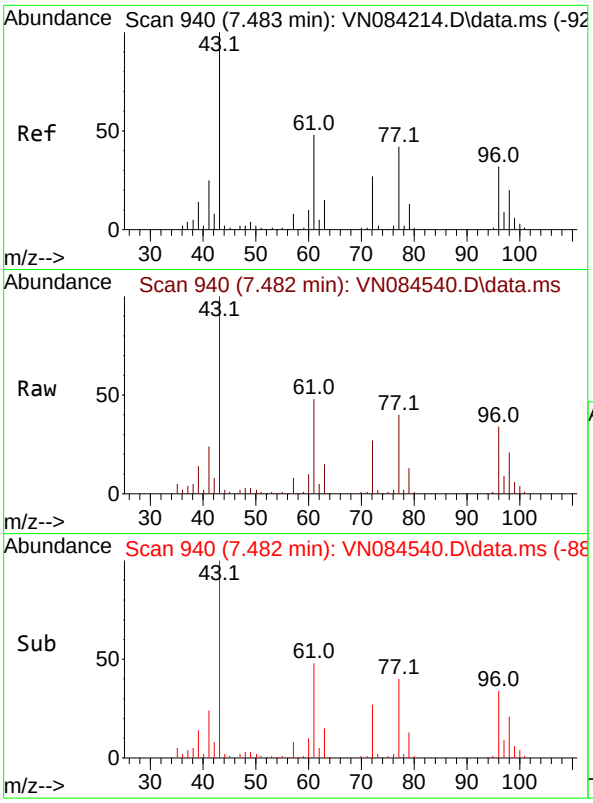


#24
1,1-Dichloroethane
Concen: 52.329 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 63 Resp: 188749

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.8	2.0	5.8





#25
2-Butanone
Concen: 242.797 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 33588

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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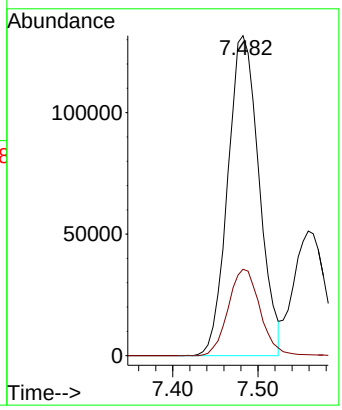
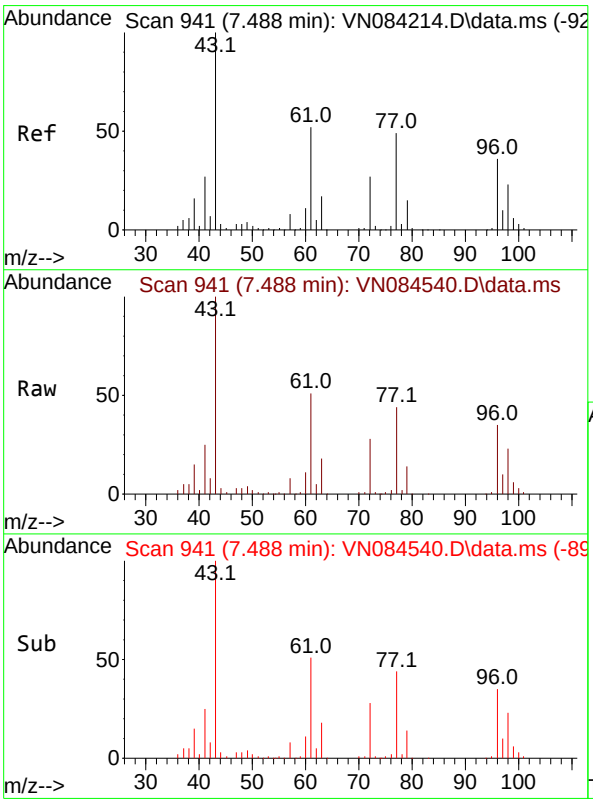
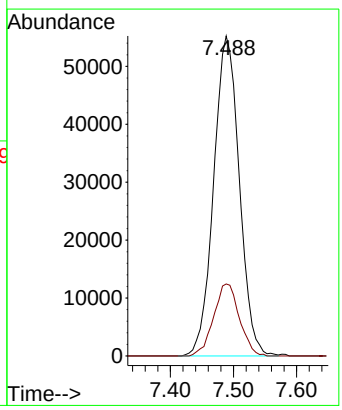


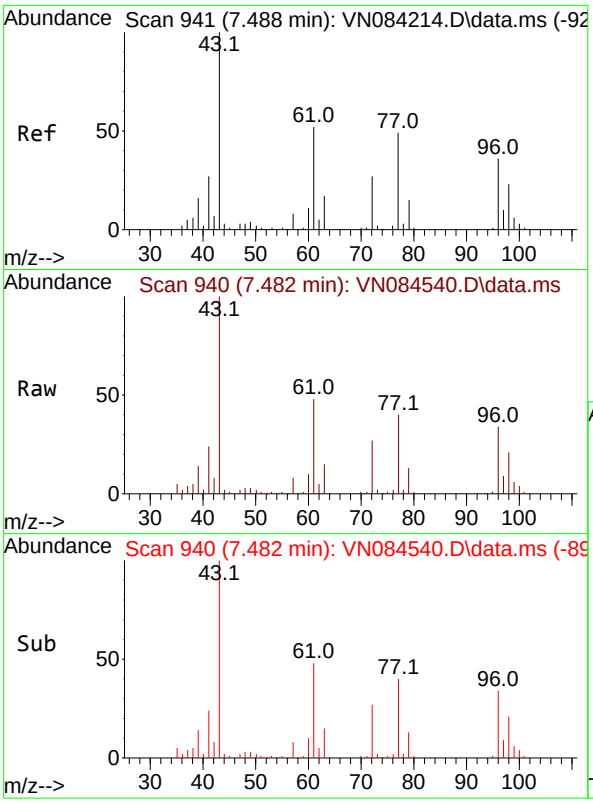


#26
2,2-Dichloropropane
Concen: 47.913 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 77 Resp: 155824

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 51.488 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 96 Resp: 11703(

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	301.8
98	64.6	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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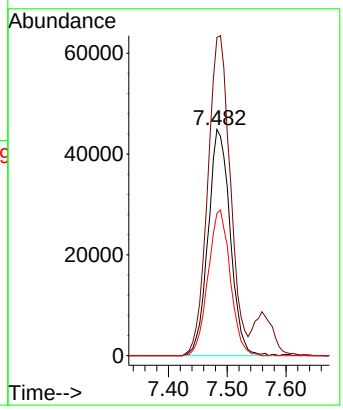
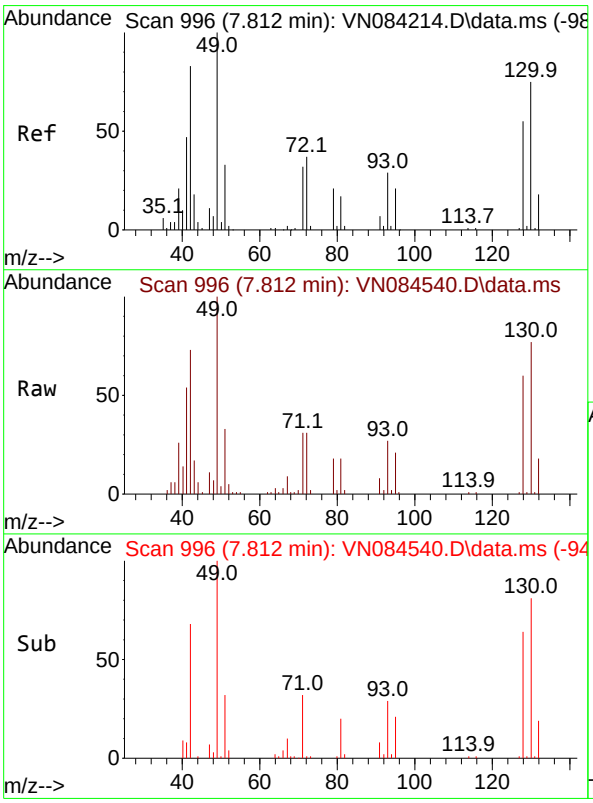
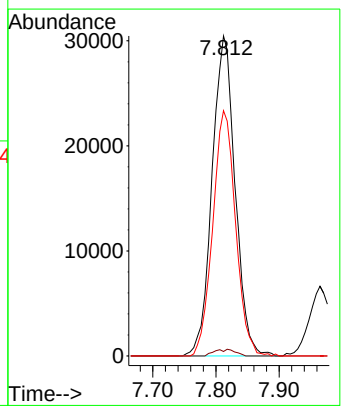


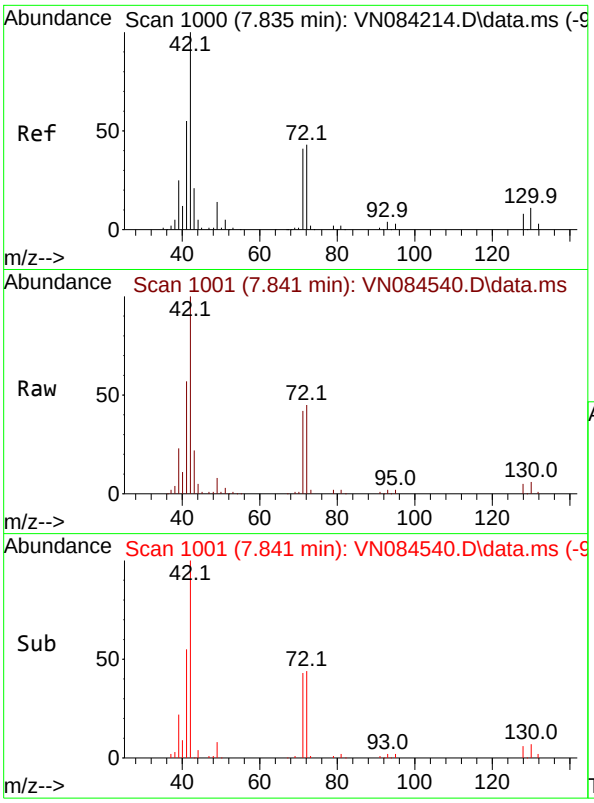


#28
Bromochloromethane
Concen: 48.015 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 49 Resp: 77273

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.6
130	75.9	58.0	87.0





#29
Tetrahydrofuran
Concen: 268.364 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 42 Resp: 22910

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	42.5	32.2	48.4

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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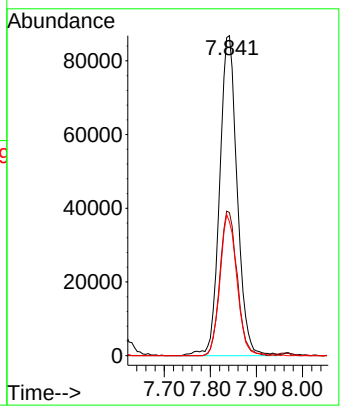
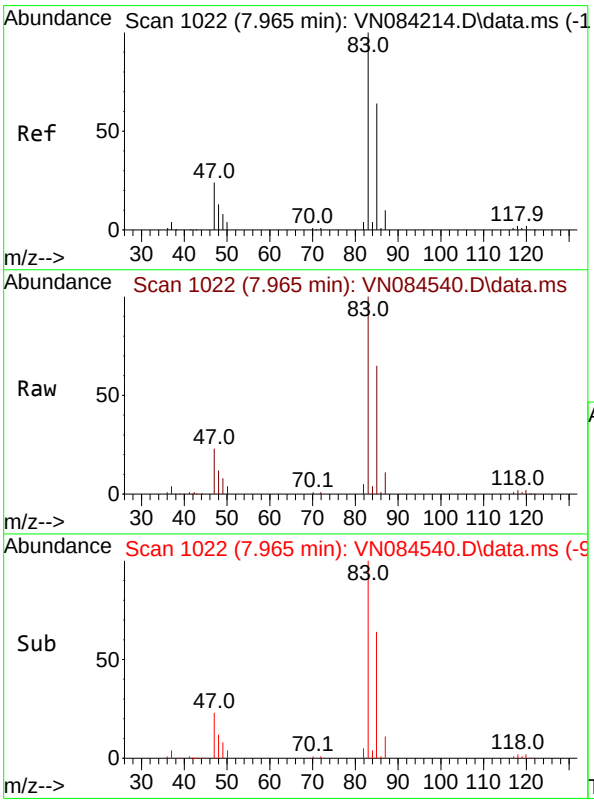
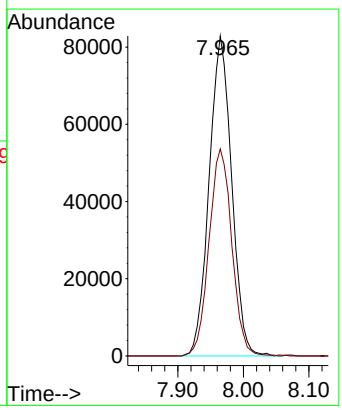


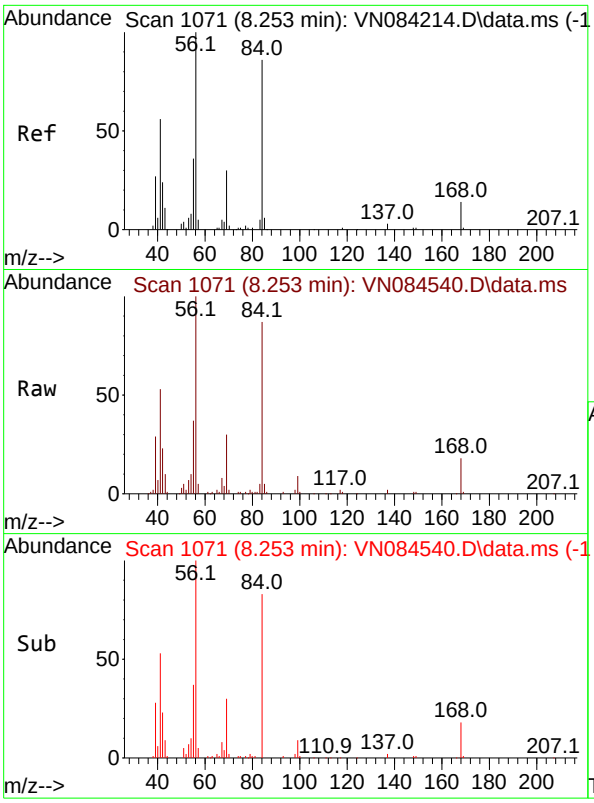


#30
Chloroform
Concen: 52.750 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 83 Resp: 197637

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4

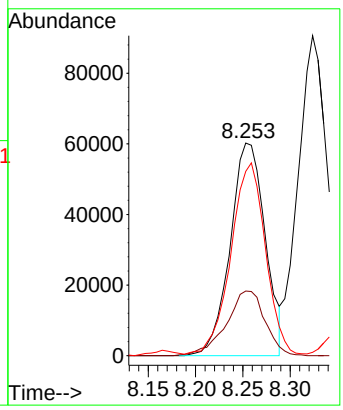




#31
Cyclohexane
Concen: 44.265 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 56 Resp: 15502

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	85.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
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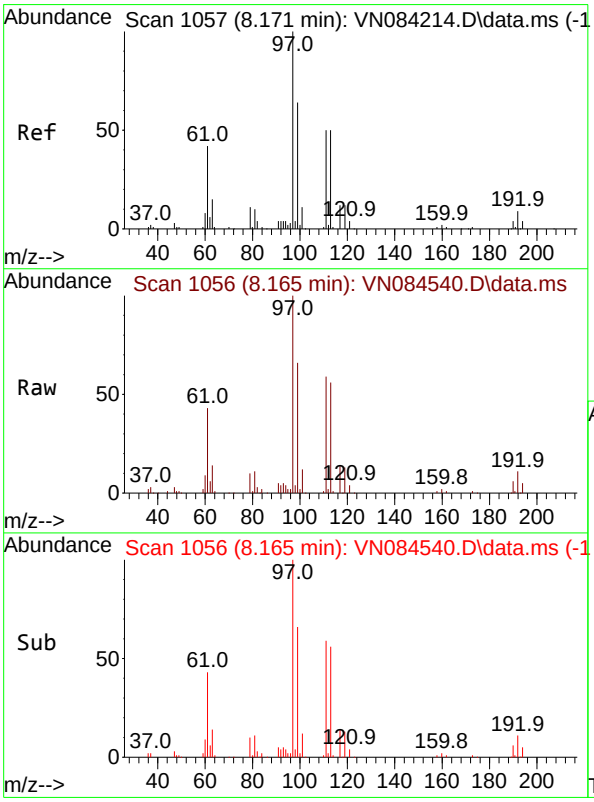
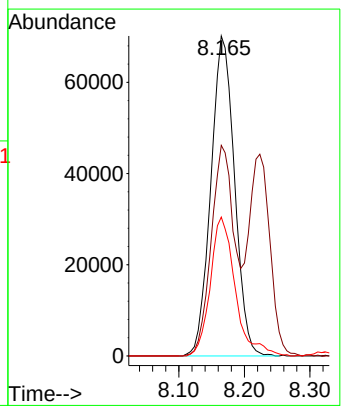
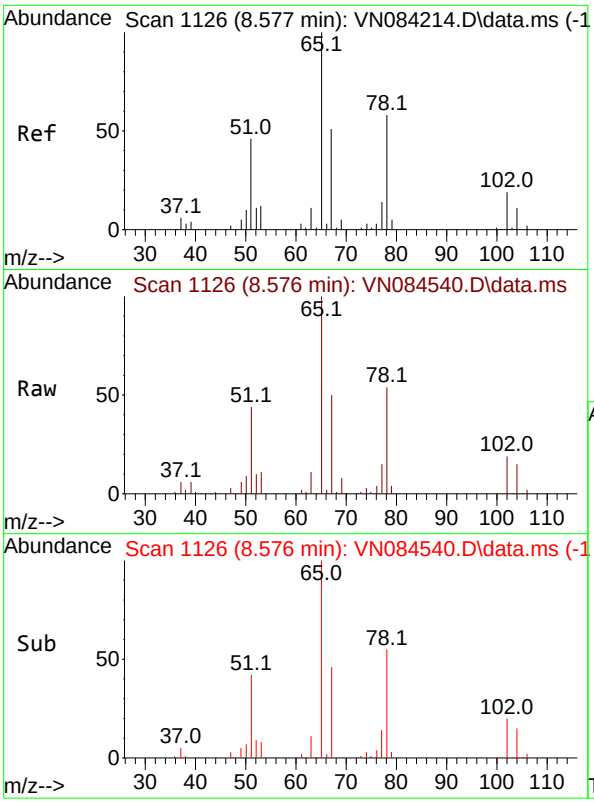


#32
1,1,1-Trichloroethane
Concen: 52.211 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 97 Resp: 175686

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	45.8	37.5	56.3

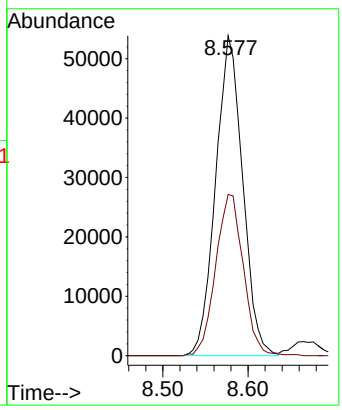




#33
1,2-Dichloroethane-d4
Concen: 50.159 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 65 Resp: 11859

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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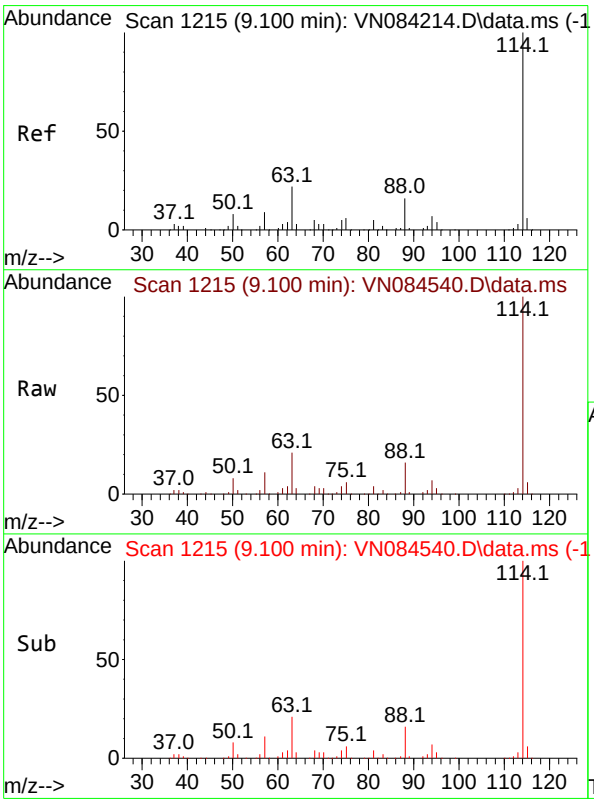
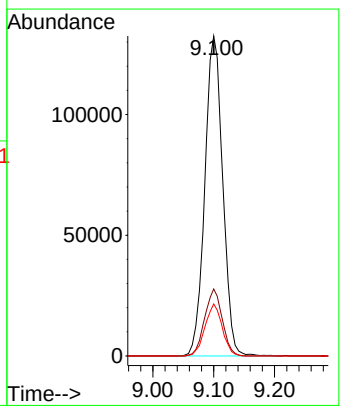
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

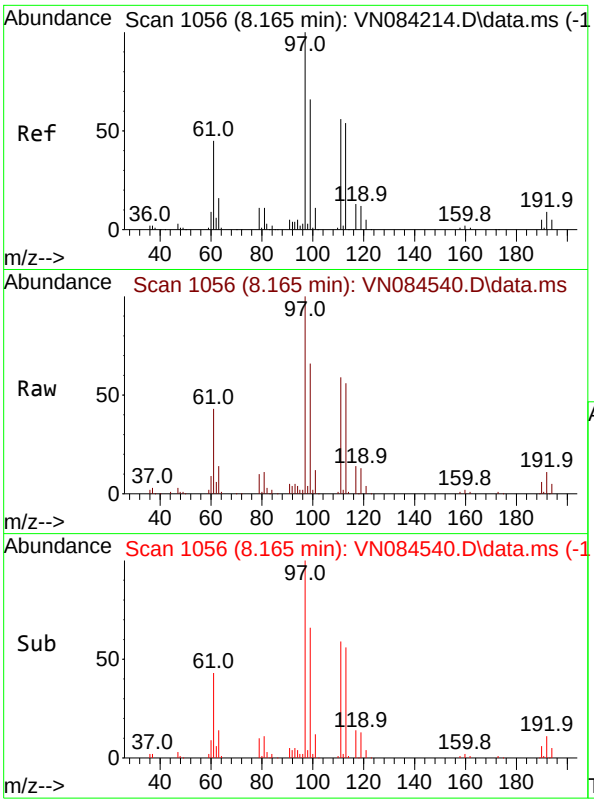


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:114 Resp: 270686

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.2	0.0	31.6

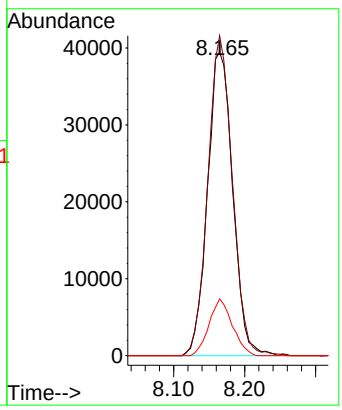




#35
Dibromofluoromethane
Concen: 54.575 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:113 Resp: 9739

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	17.3	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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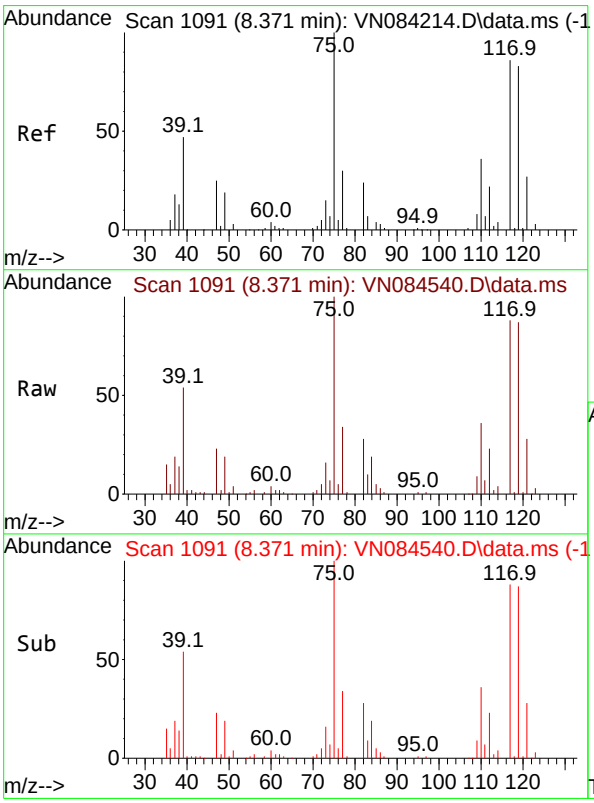
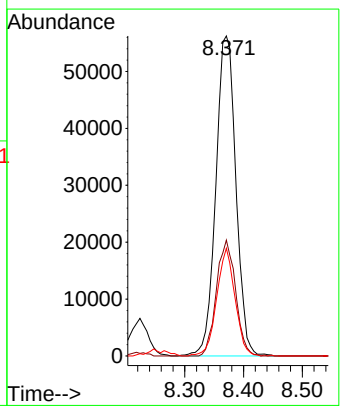
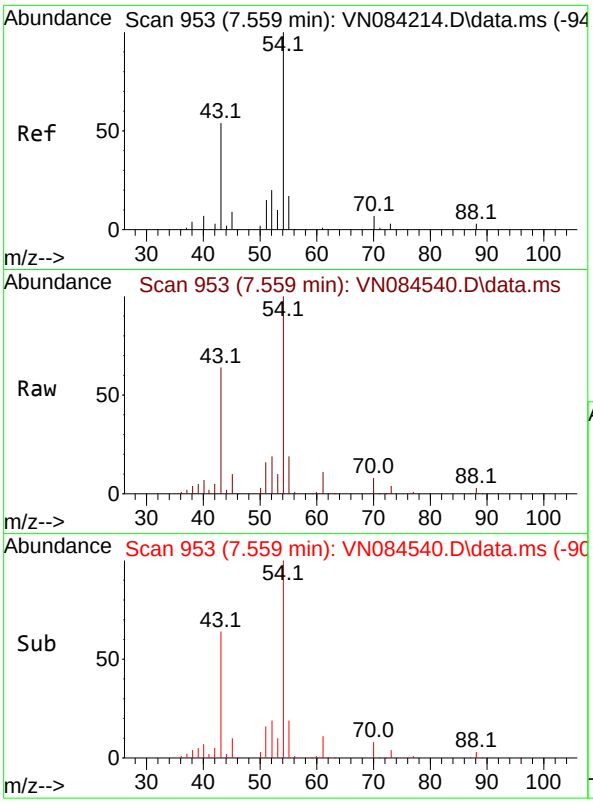


#36
1,1-Dichloropropene
Concen: 51.452 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 133369

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	30.7	24.7	37.1

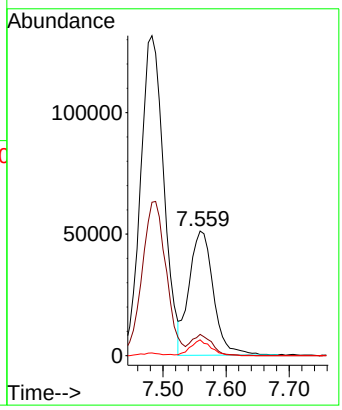




#37
Ethyl Acetate
Concen: 51.419 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 13673

Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.7	16.1
70	10.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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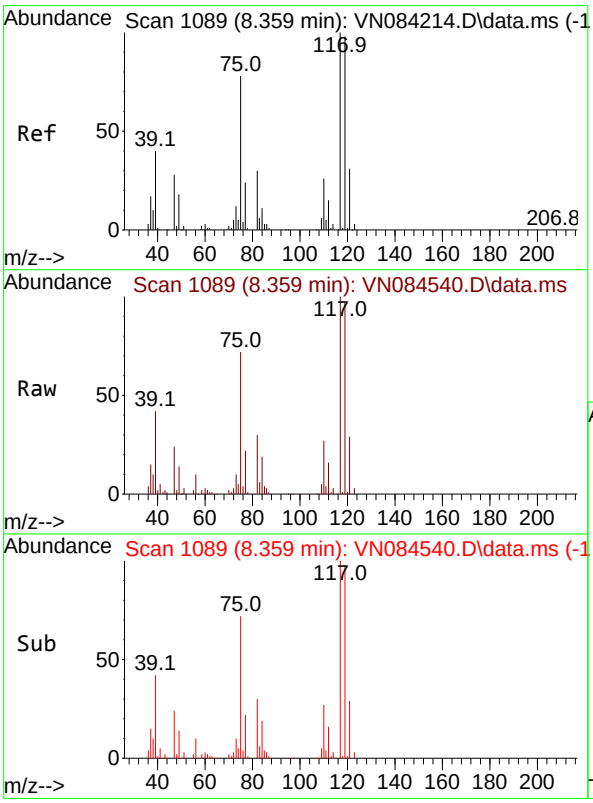
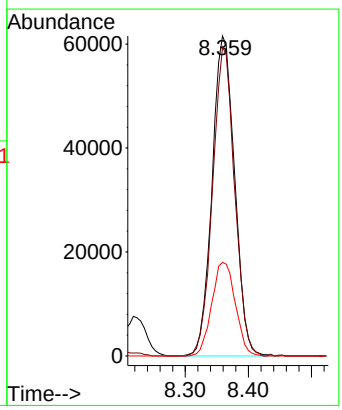
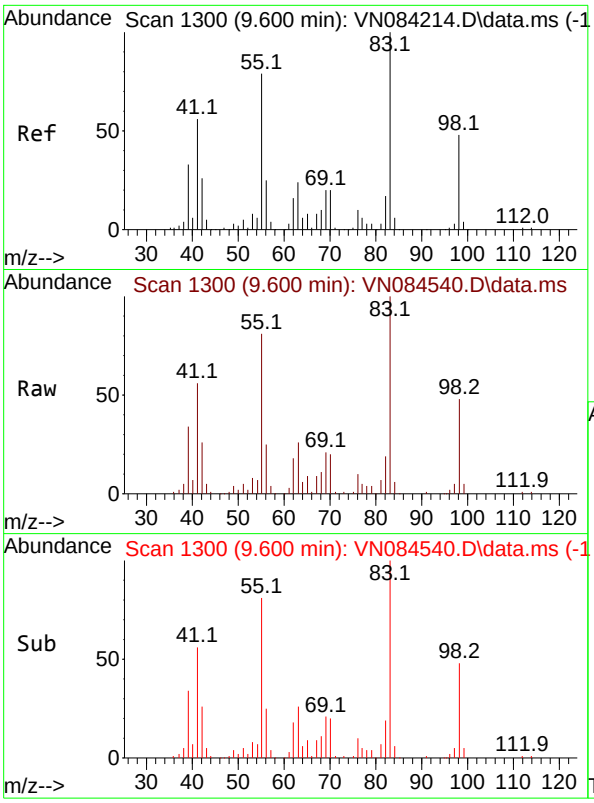


#38
Carbon Tetrachloride
Concen: 53.570 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:117 Resp: 152321

Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.7	118.1
121	29.2	24.4	36.6

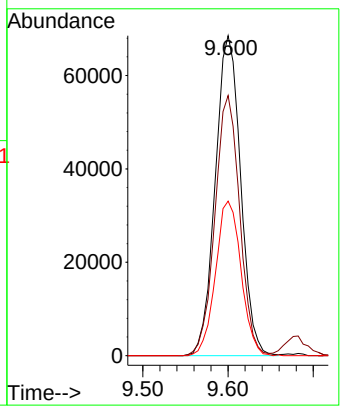




#39
Methylcyclohexane
Concen: 49.176 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 83 Resp: 14186

Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.8	94.2
98	48.3	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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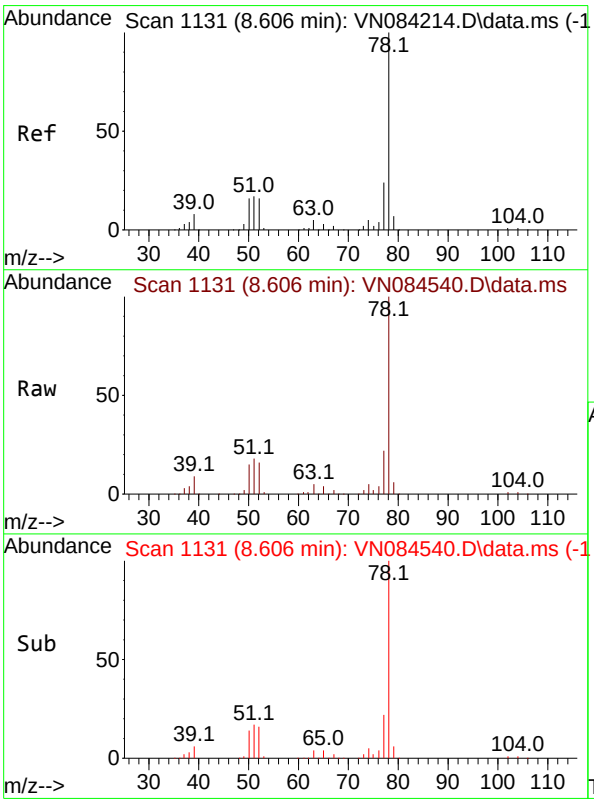
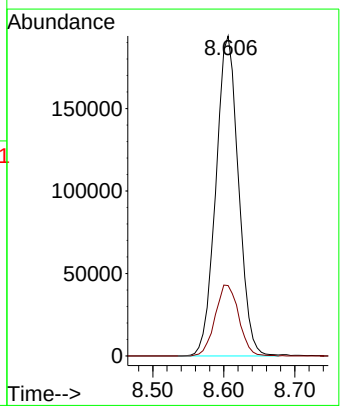
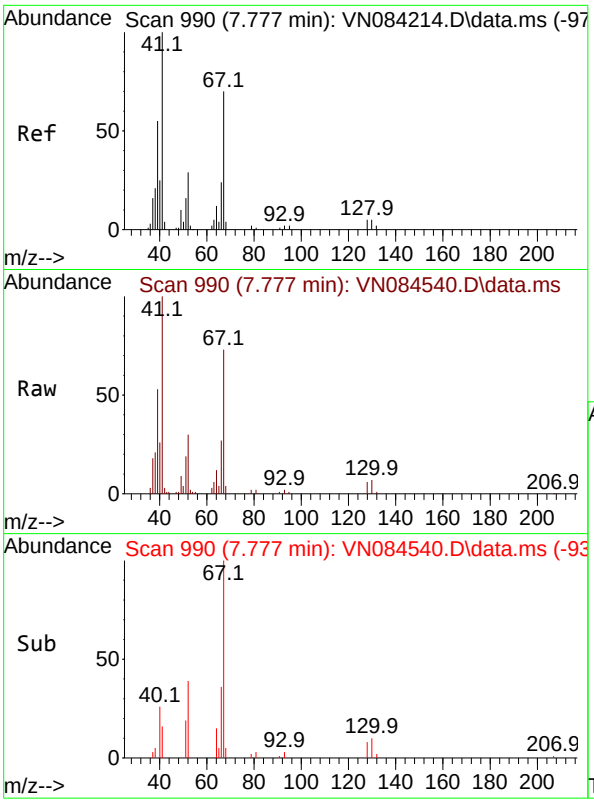


#40
Benzene
Concen: 53.064 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 78 Resp: 428549

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.1	28.7

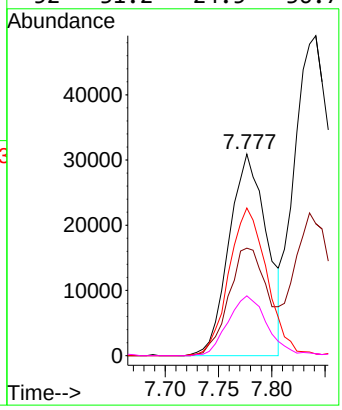




#41
Methacrylonitrile
Concen: 53.052 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 41 Resp: 7659

Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.3	64.9
67	73.6	56.1	84.1
52	31.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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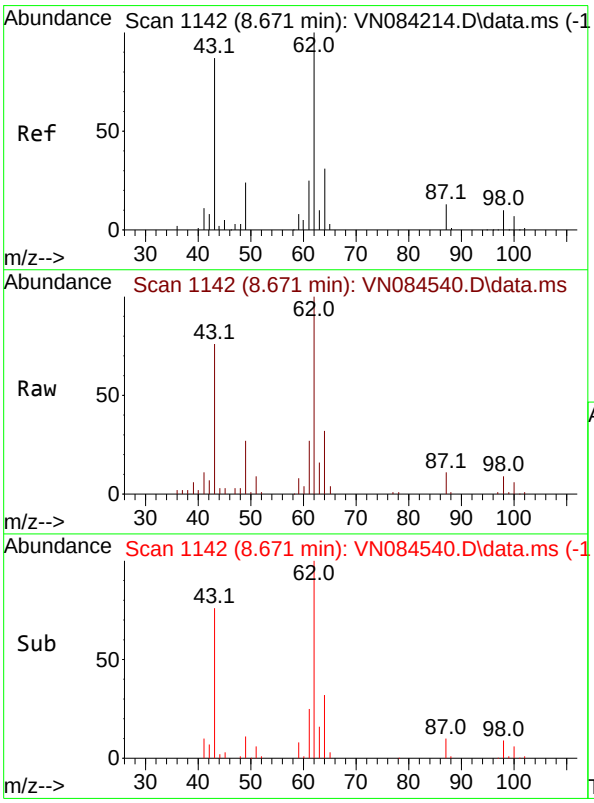
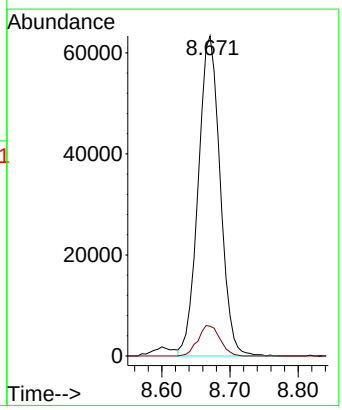
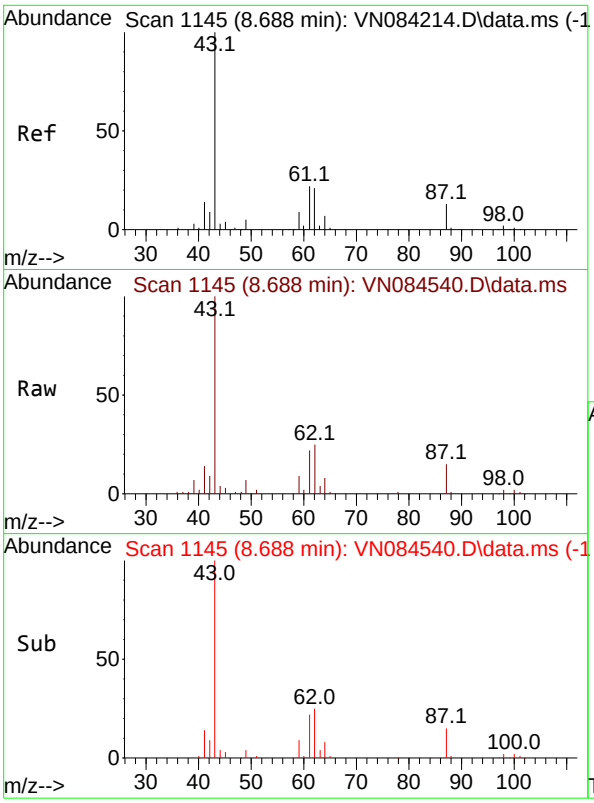


#42
1,2-Dichloroethane
Concen: 51.759 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 62 Resp: 141711

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 43.464 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 22639

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.7	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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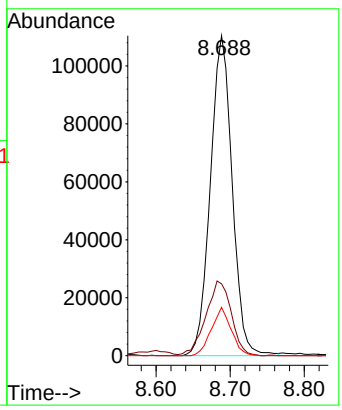
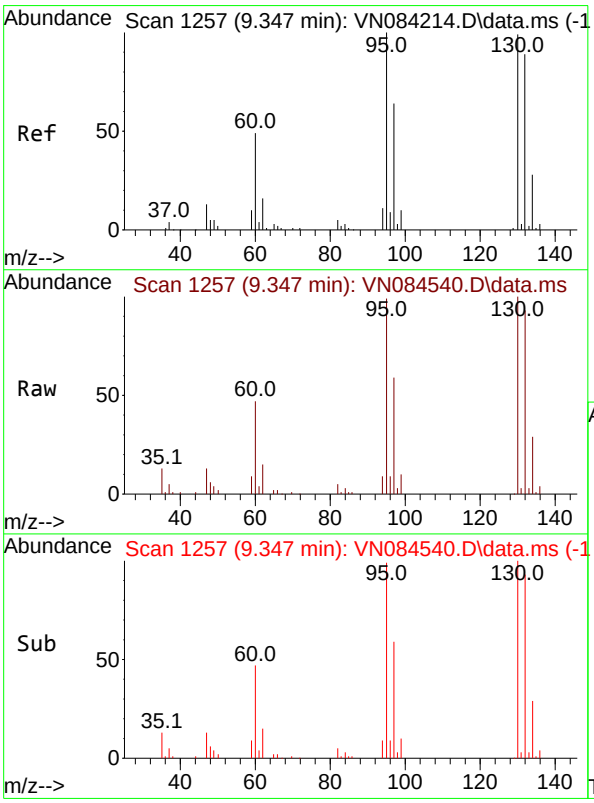
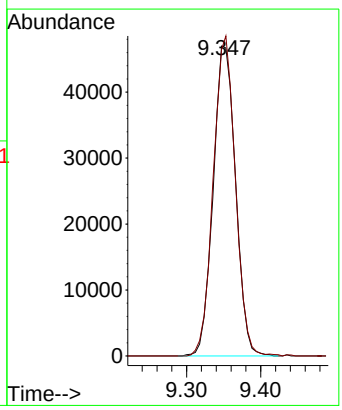


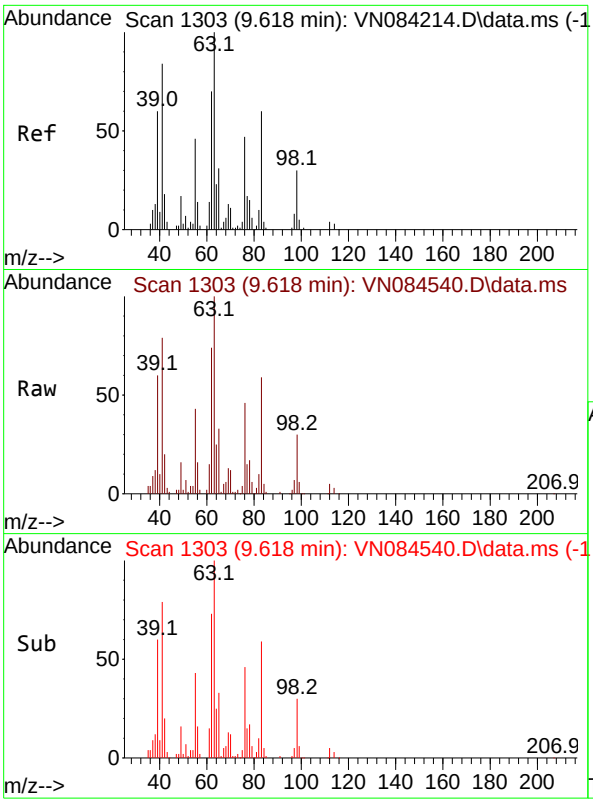


#44
Trichloroethene
Concen: 52.277 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:130 Resp: 98607

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	203.0





#45
1,2-Dichloropropane
Concen: 54.355 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 63 Resp: 10384

Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.6	37.0

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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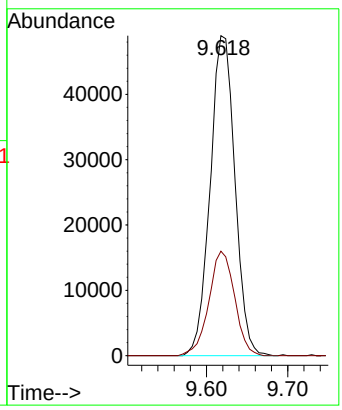
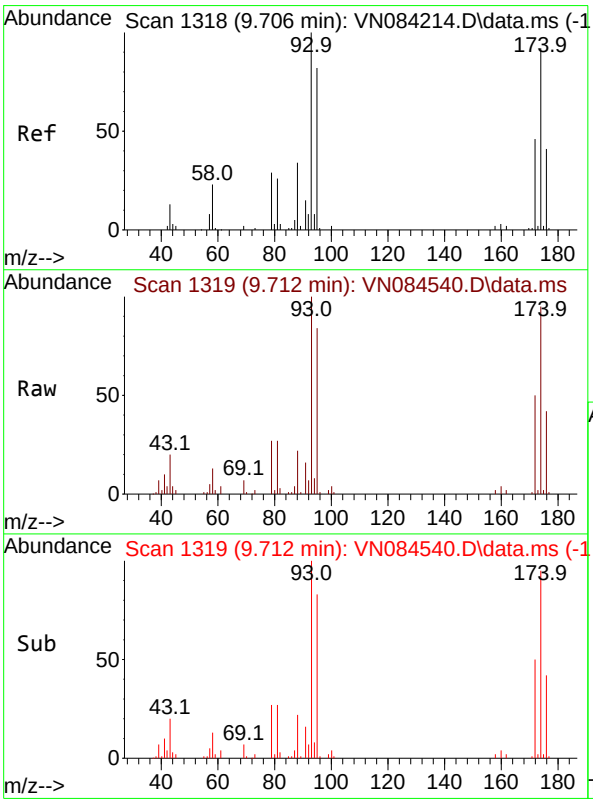
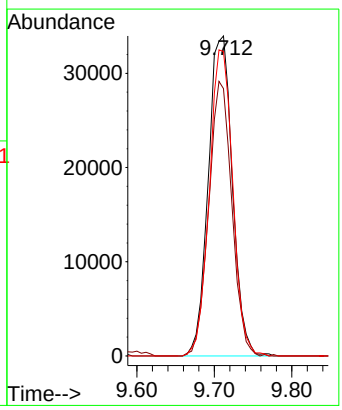


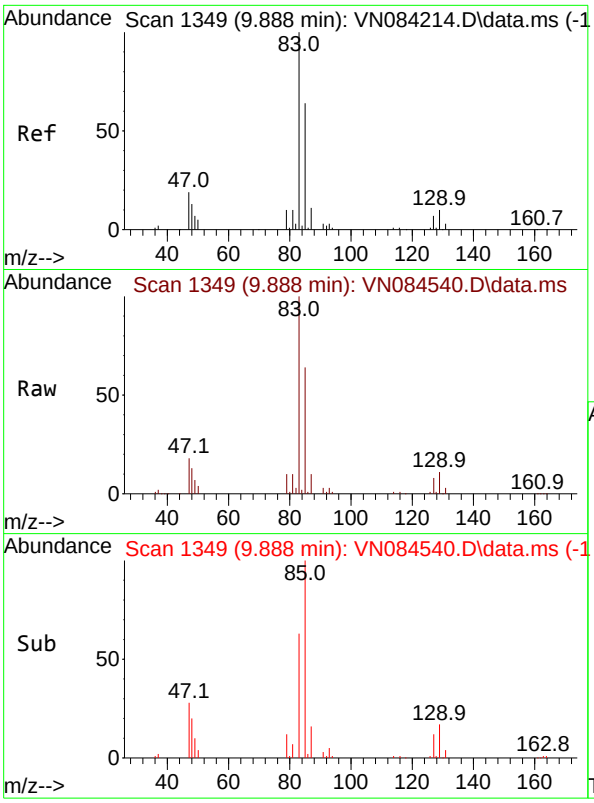


#46
Dibromomethane
Concen: 57.031 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 93 Resp: 73528

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.4
174	92.9	71.8	107.8

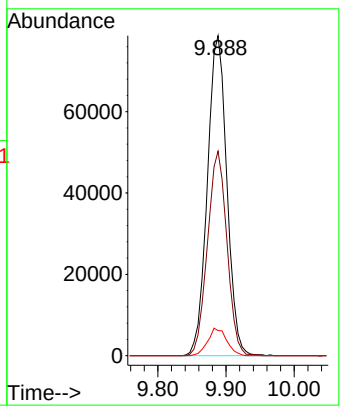




#47
Bromodichloromethane
Concen: 54.624 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 83 Resp: 15646

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	7.8	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
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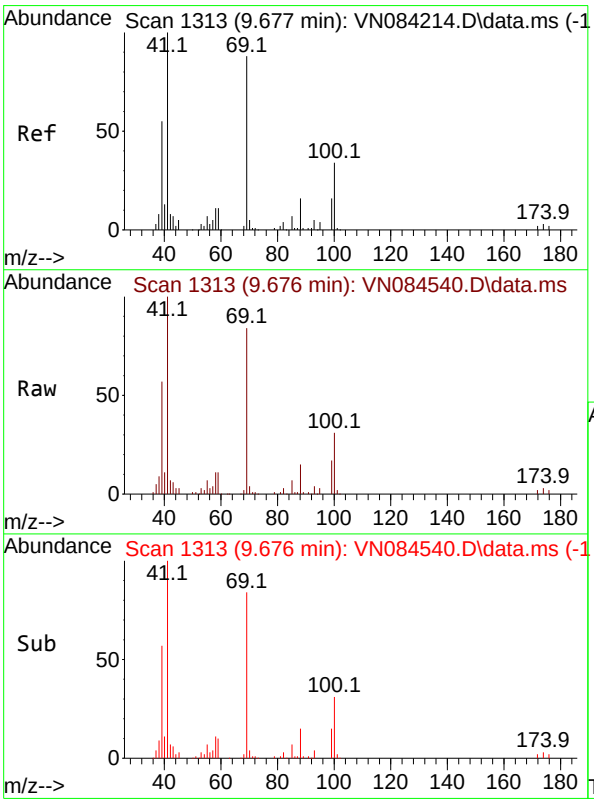
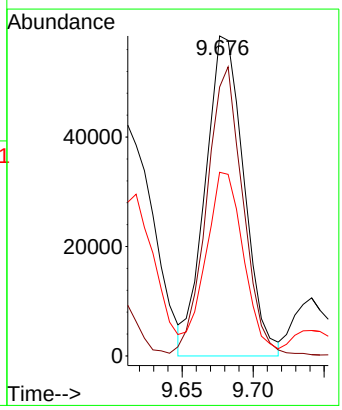
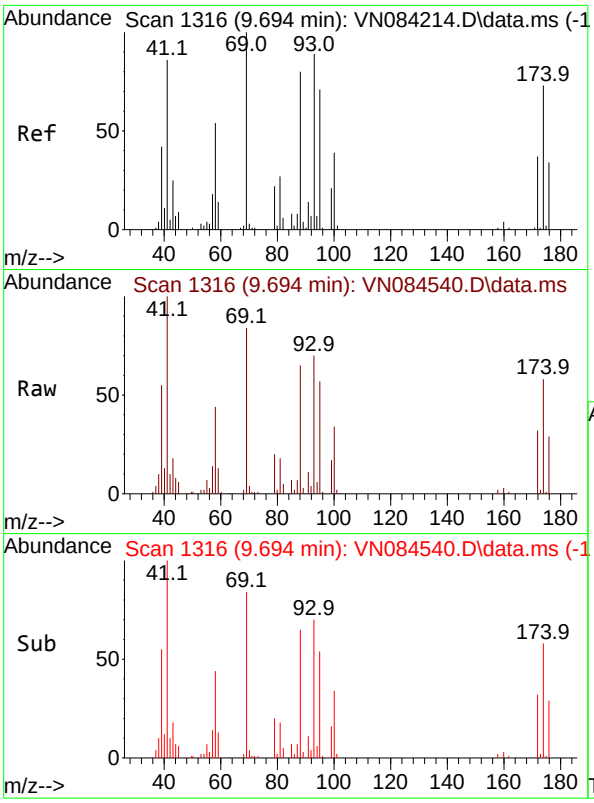


#48
Methyl methacrylate
Concen: 53.396 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 41 Resp: 110713

Ion	Ratio	Lower	Upper
41	100		
69	85.5	67.1	100.7
39	57.1	45.8	68.6





#49
1,4-Dioxane
Concen: 1071.873 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 88 Resp: 4091

Ion	Ratio	Lower	Upper
88	100		
43	30.4	25.3	37.9
58	69.8	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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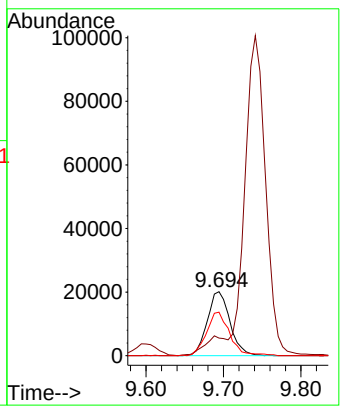
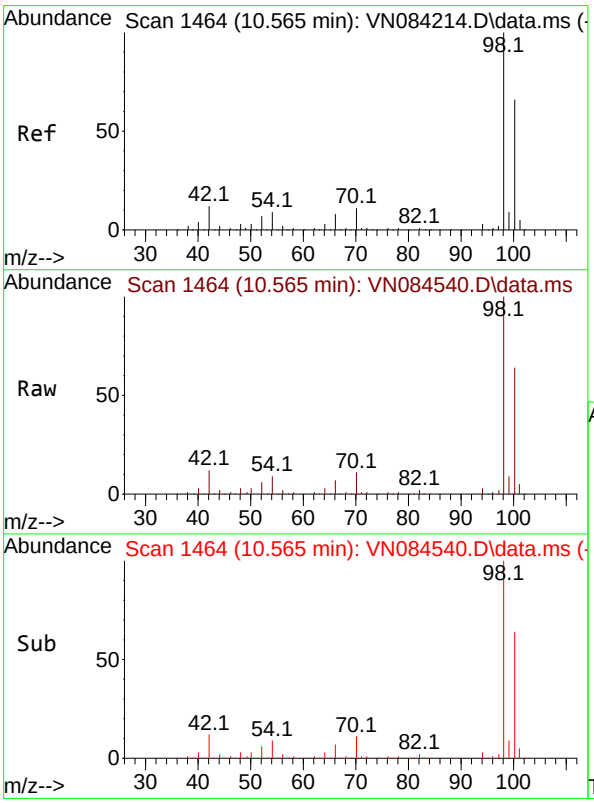
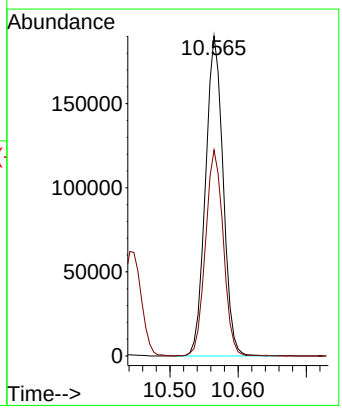


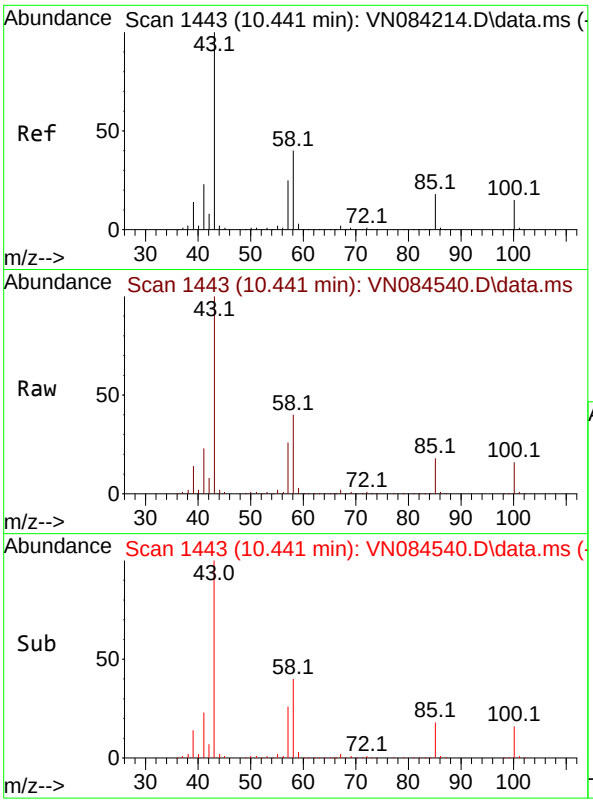


#50
Toluene-d8
Concen: 52.084 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 98 Resp: 341956

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 284.107 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 71922

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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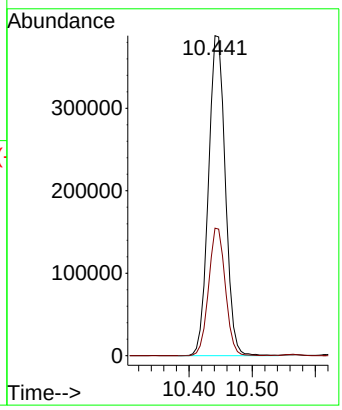
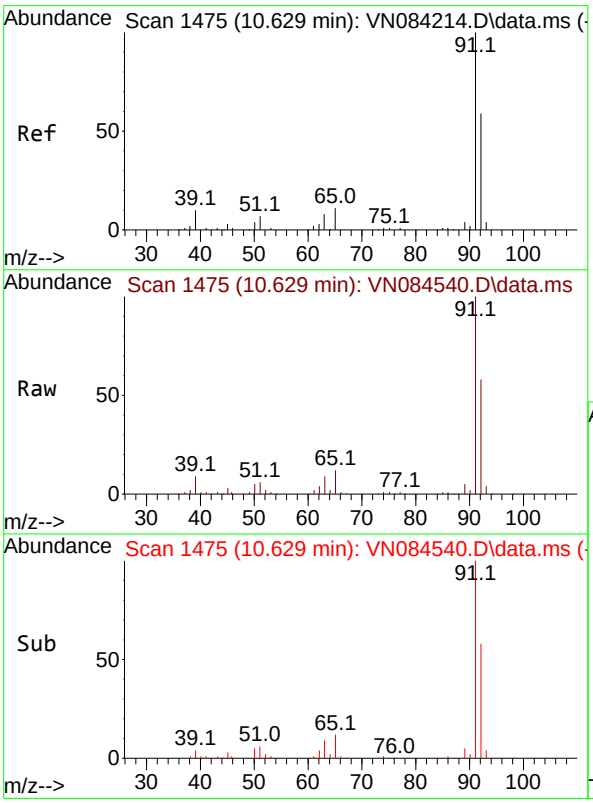
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

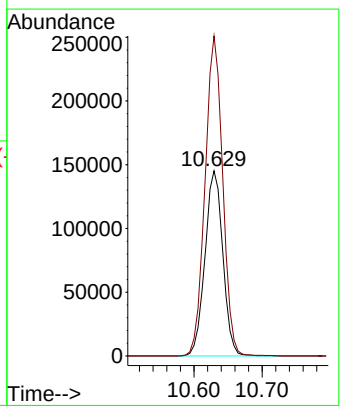


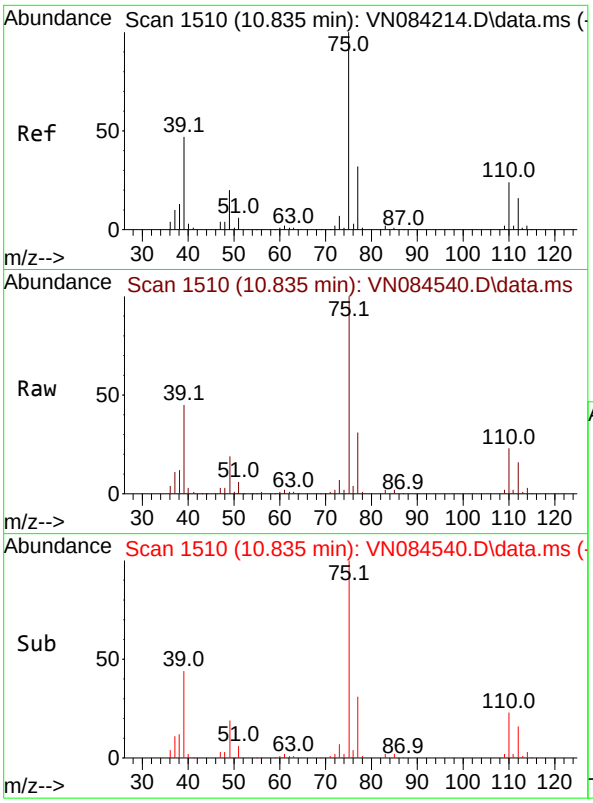


#52
Toluene
Concen: 53.679 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 92 Resp: 264357

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.3	205.9

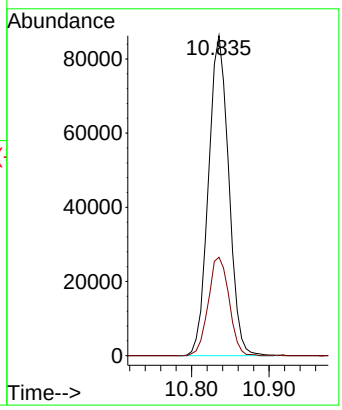




#53
t-1,3-Dichloropropene
Concen: 53.739 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 15690

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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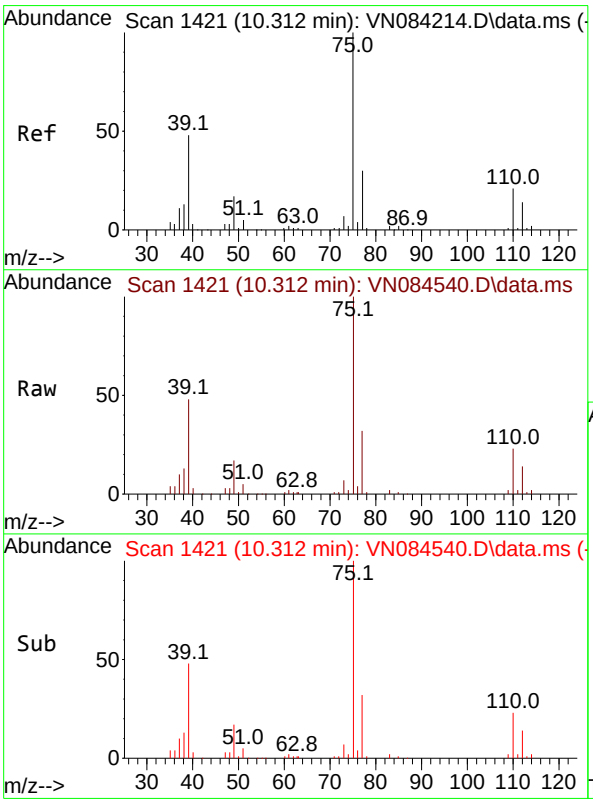
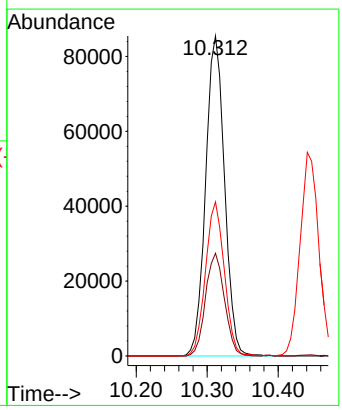
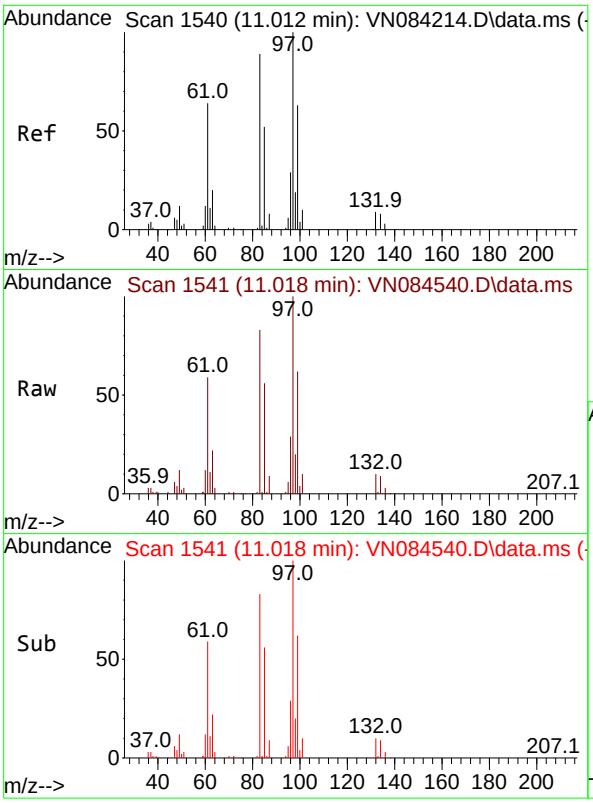


#54
cis-1,3-Dichloropropene
Concen: 50.248 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 157808

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.2	36.2
39	48.1	38.7	58.1

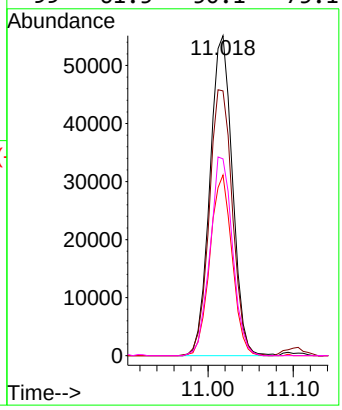




#55
1,1,2-Trichloroethane
Concen: 57.332 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 97 Resp: 10121

Ion	Ratio	Lower	Upper
97	100		
83	82.8	71.0	106.4
85	56.5	41.7	62.5
99	61.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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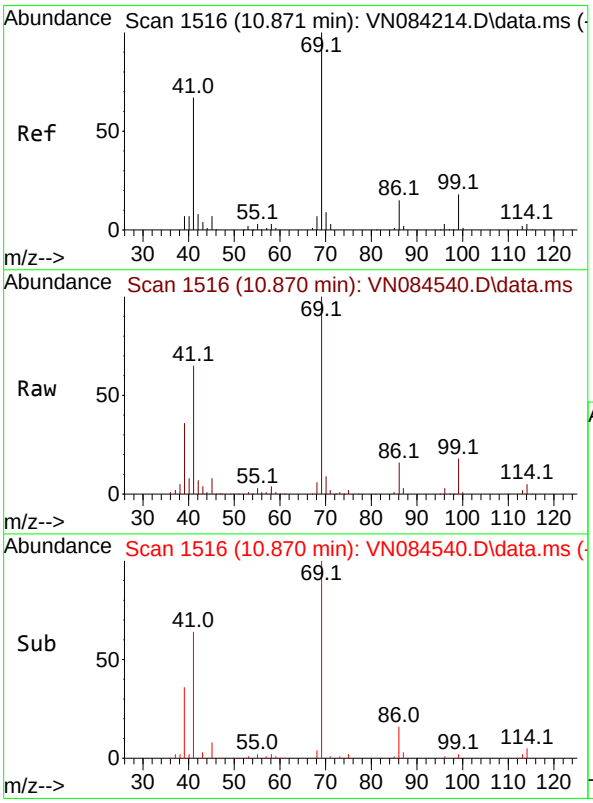
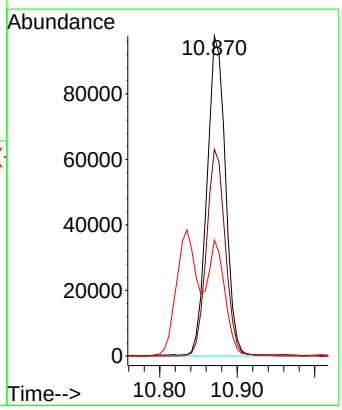
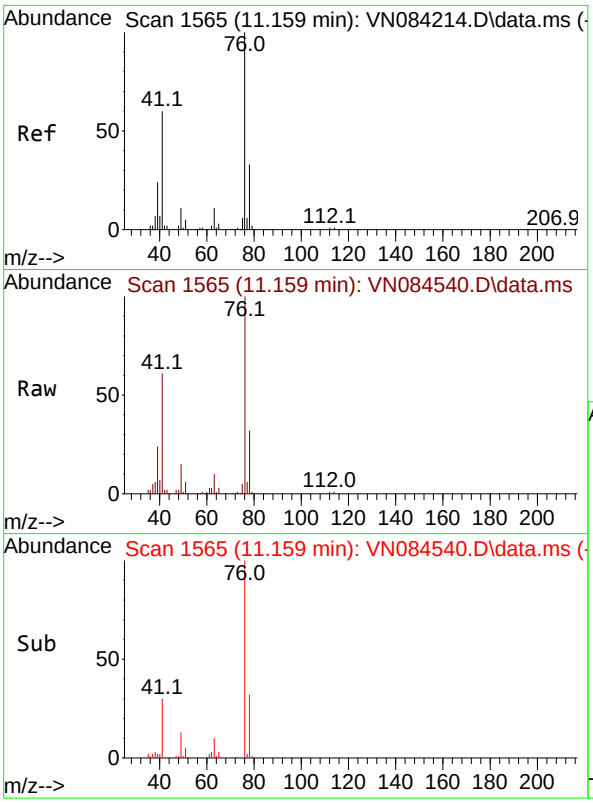


#56
Ethyl methacrylate
Concen: 55.699 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 69 Resp: 161808

Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.3	79.9
39	34.3	28.8	43.2

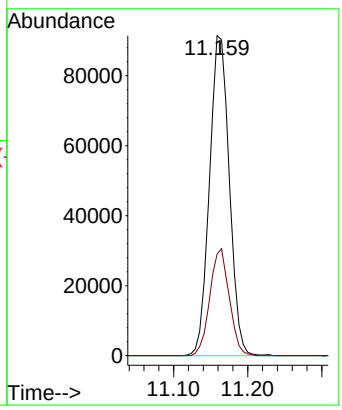




#57
1,3-Dichloropropane
Concen: 53.842 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 76 Resp: 16985

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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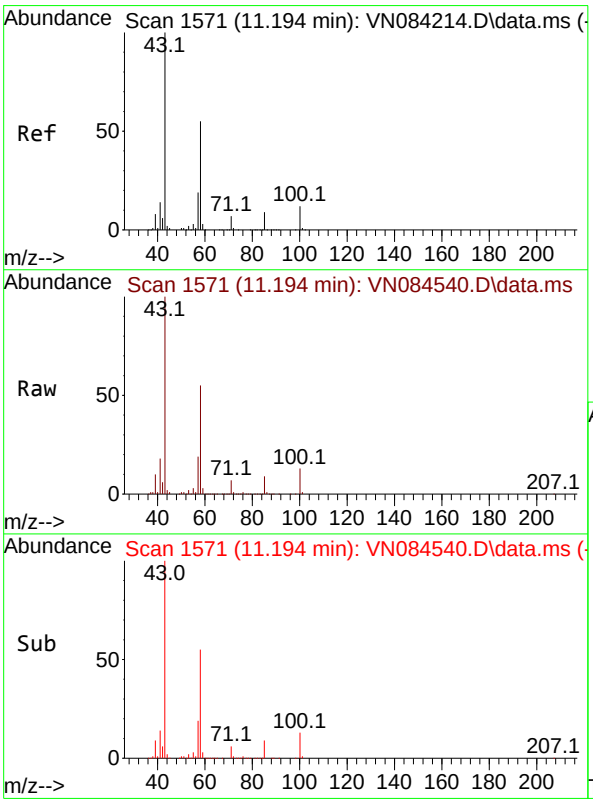
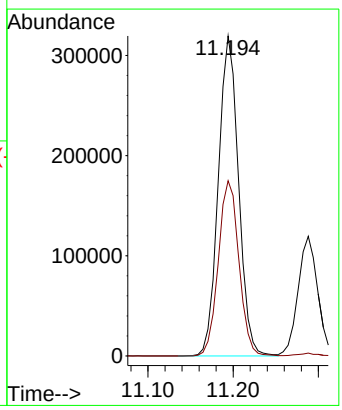
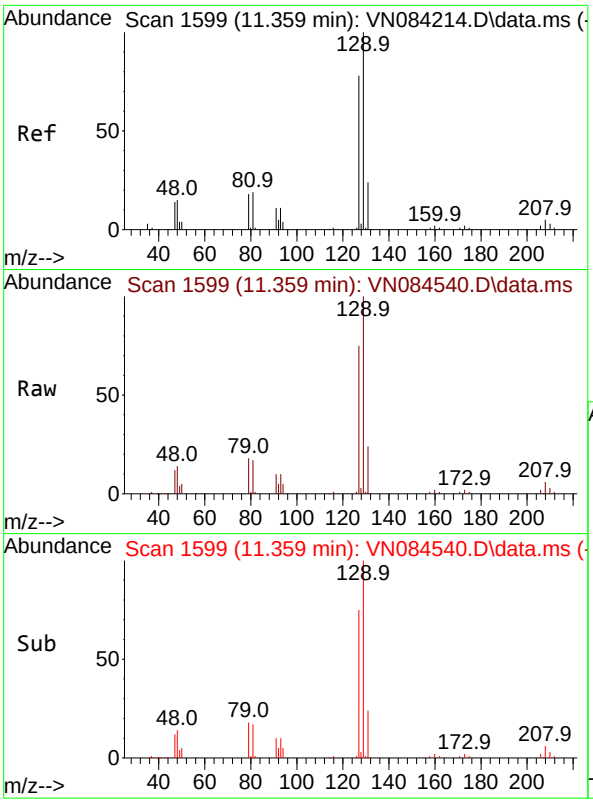


#59
2-Hexanone
Concen: 278.829 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 527568

Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.3	81.8

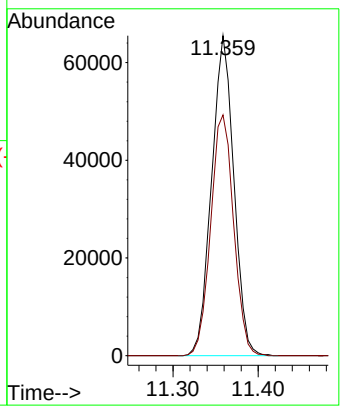




#60
Dibromochloromethane
Concen: 56.943 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:129 Resp: 11878

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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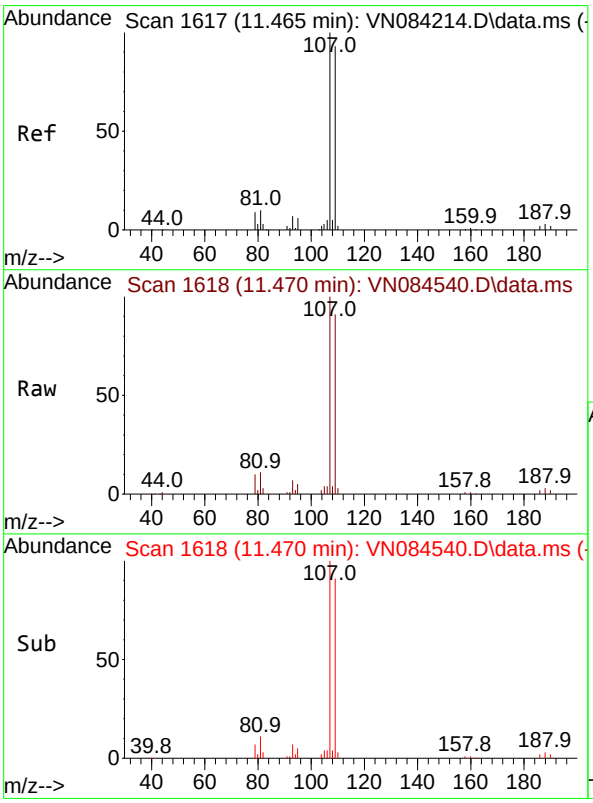
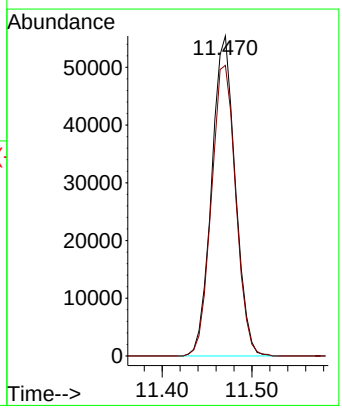
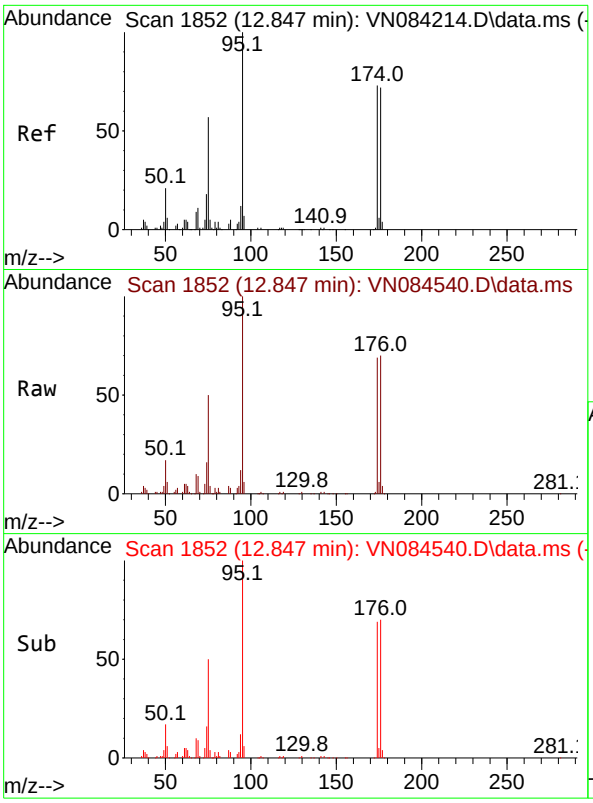


#61
1,2-Dibromoethane
Concen: 55.209 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:107 Resp: 101282

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.0





#62
4-Bromofluorobenzene
Concen: 55.320 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 95 Resp: 13231

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	145.2
176	71.8	0.0	140.0

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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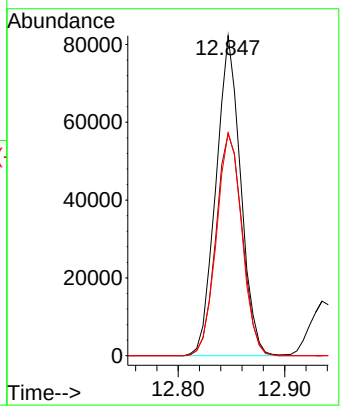
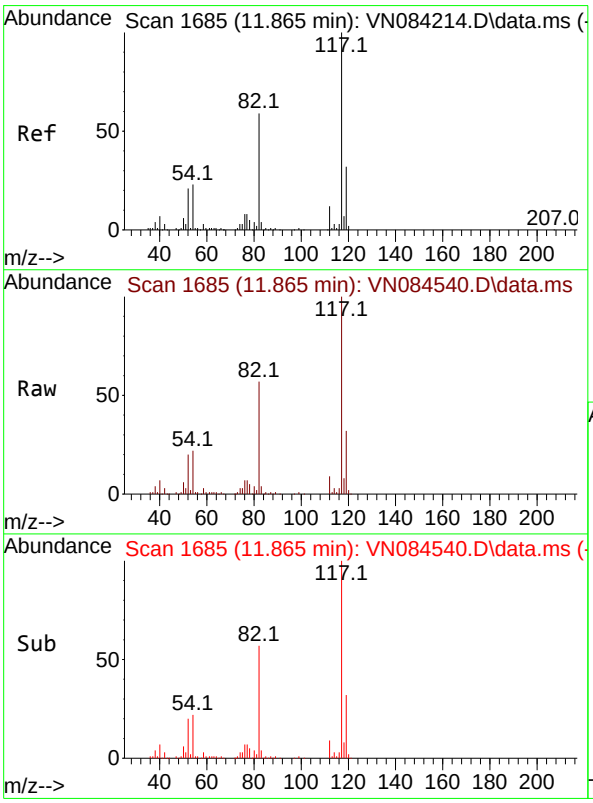
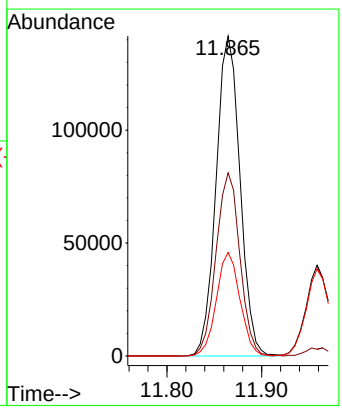


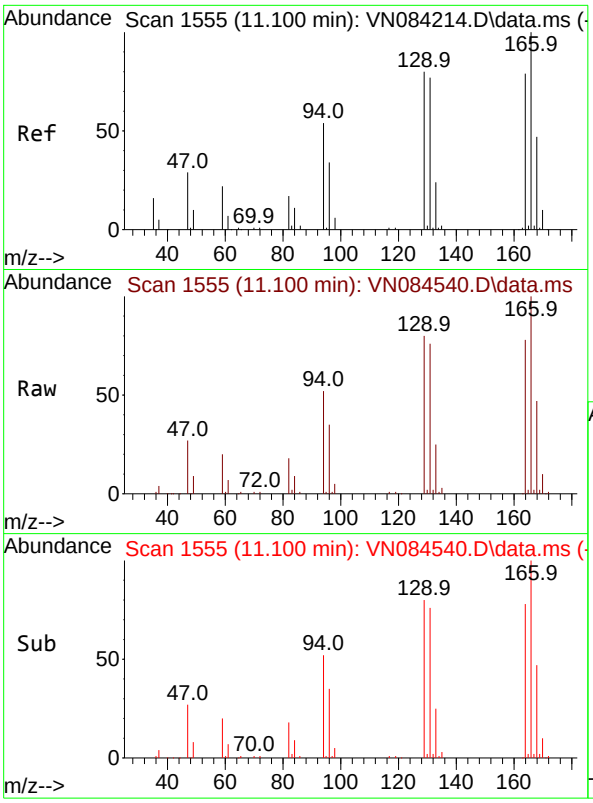


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:117 Resp: 249070

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.3	25.4	38.0

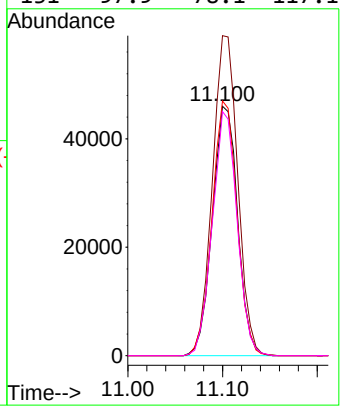




#64
Tetrachloroethene
Concen: 49.051 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:164 Resp: 8509

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.0	151.4
129	102.1	80.8	121.2
131	97.9	78.1	117.1



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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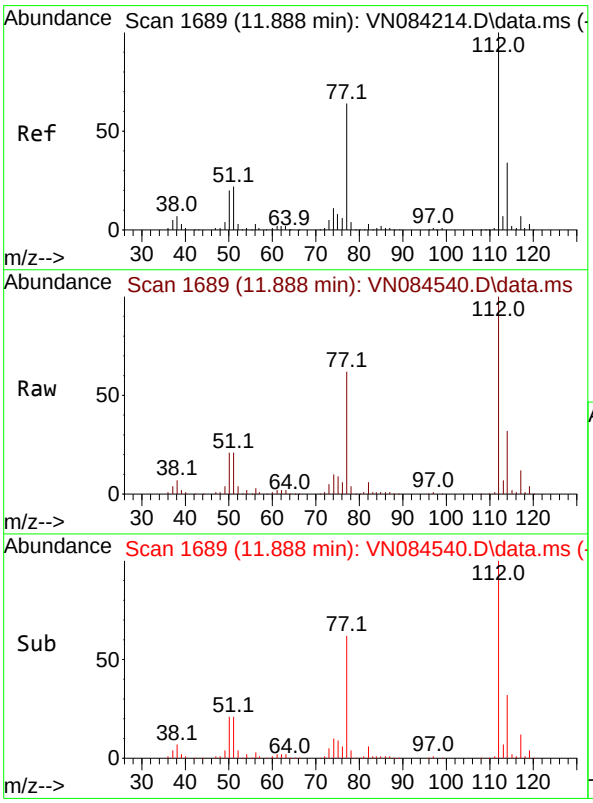
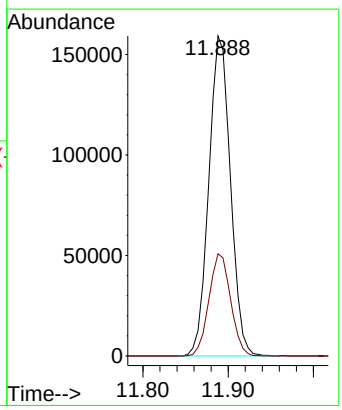
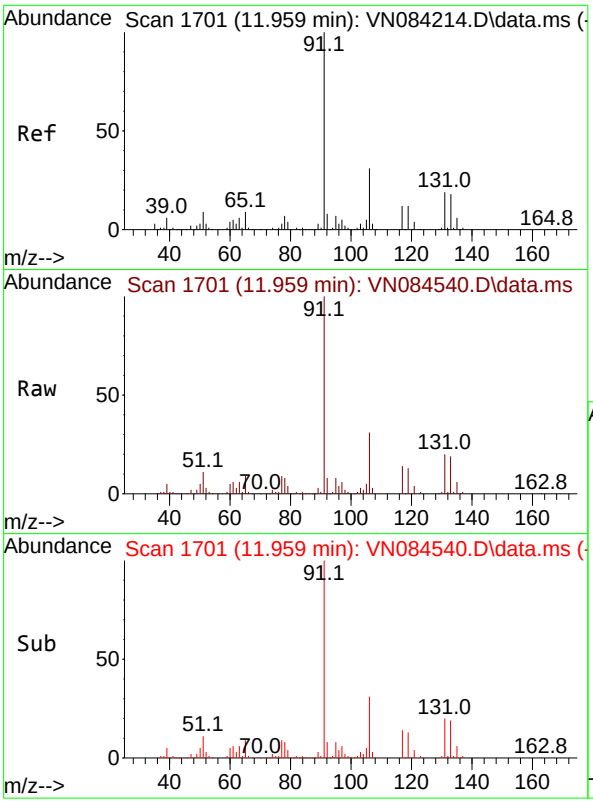


#65
Chlorobenzene
Concen: 50.776 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:112 Resp: 280407

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6





#66
1,1,1,2-Tetrachloroethane
Concen: 53.253 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:131 Resp: 10129

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.7
119	65.2	32.8	98.3

Instrument :
MSVOA_N
ClientSampleId :
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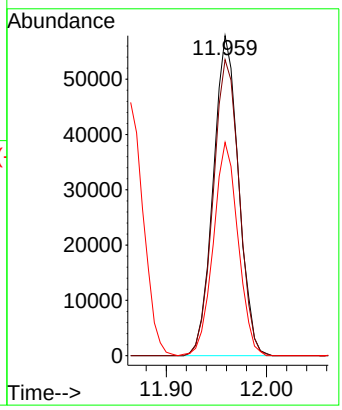
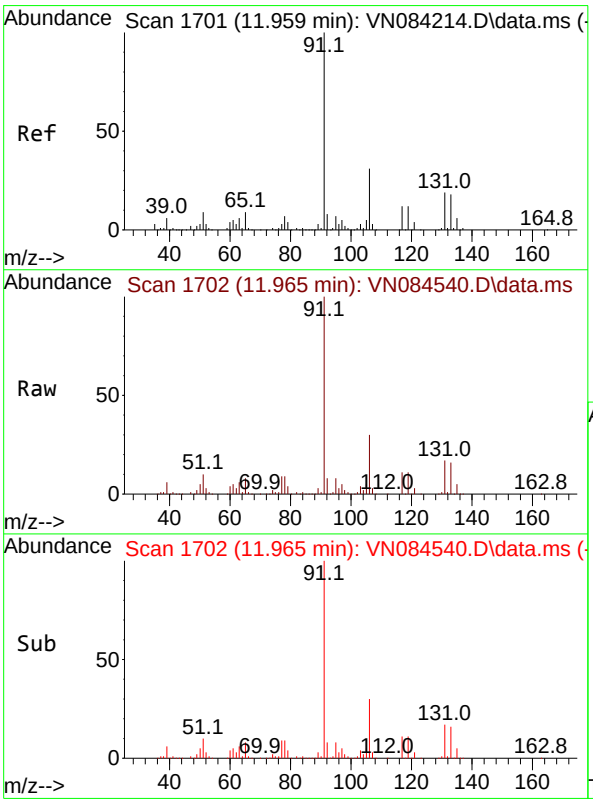
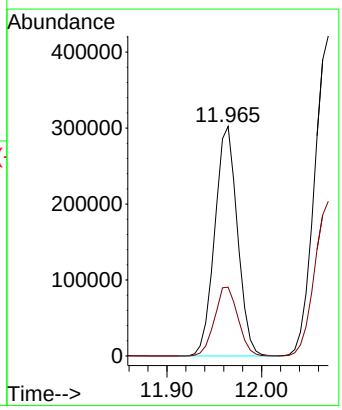


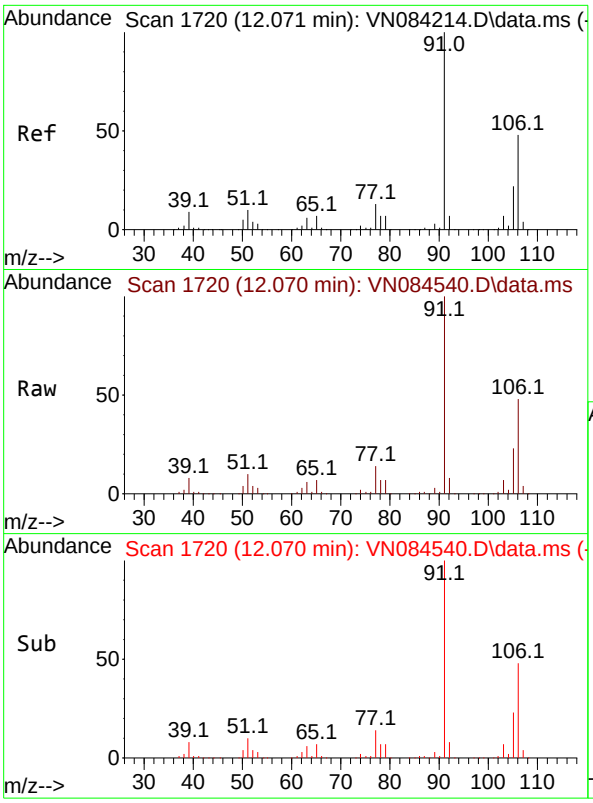


#67
Ethyl Benzene
Concen: 51.455 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 502523

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7

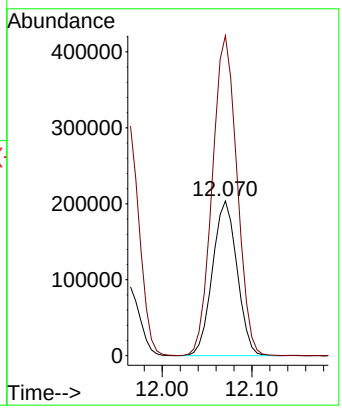




#68
m/p-Xylenes
Concen: 107.192 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:106 Resp: 38724

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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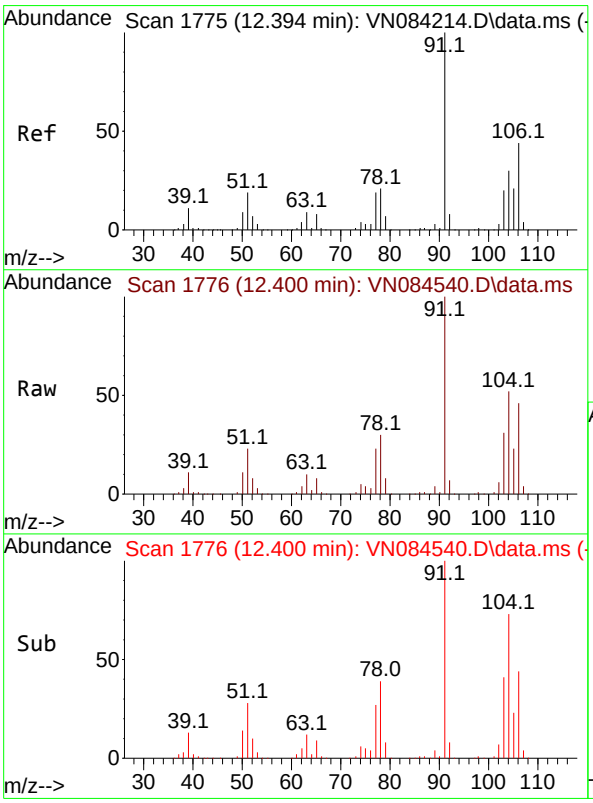
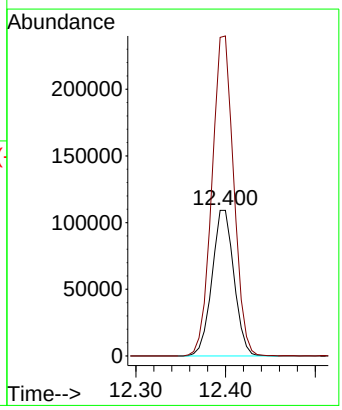
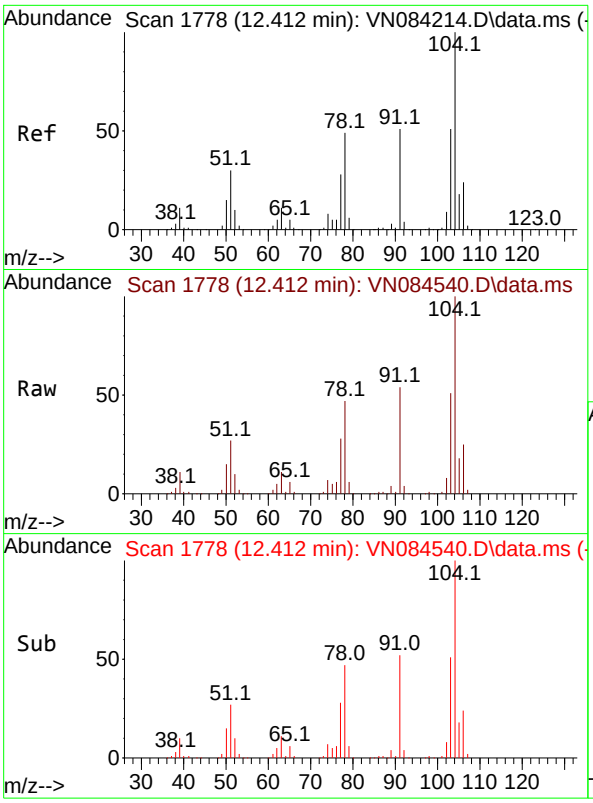


#69
o-Xylene
Concen: 54.346 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:106 Resp: 185754

Ion	Ratio	Lower	Upper
106	100		
91	217.9	110.2	330.6

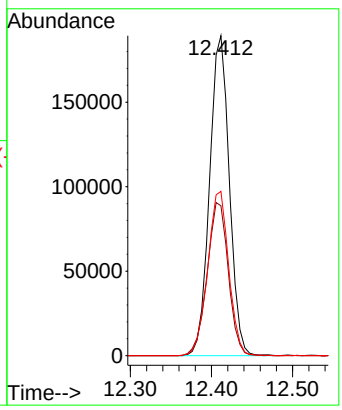




#70
Styrene
Concen: 55.319 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:104 Resp: 32026

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.7	64.1
103	54.5	43.6	65.4



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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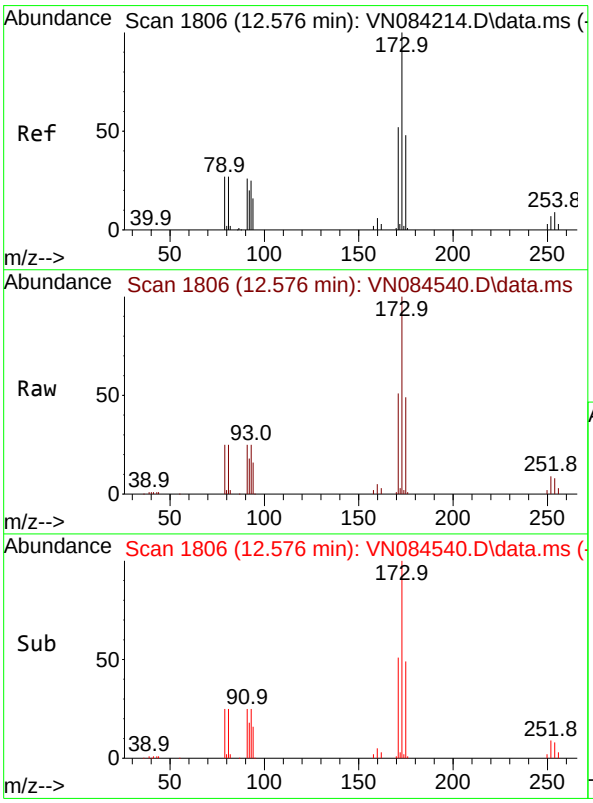
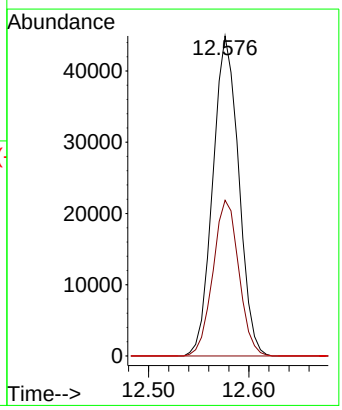
Supervised By :Semsettin Yesilyurt 10/29/2024

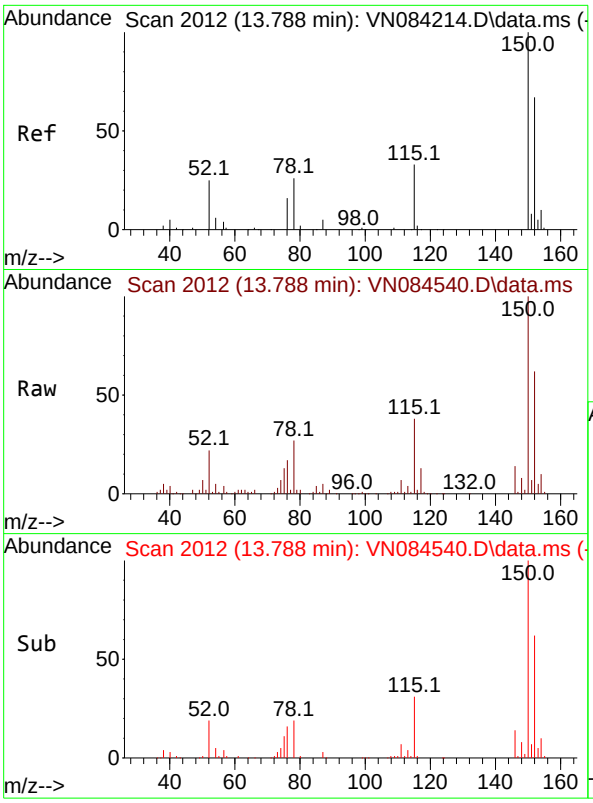


#71
Bromoform
Concen: 57.461 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:173 Resp: 80470

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0

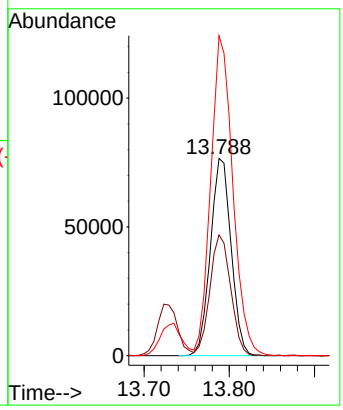




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:152 Resp: 12963

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.3	93.9
150	173.0	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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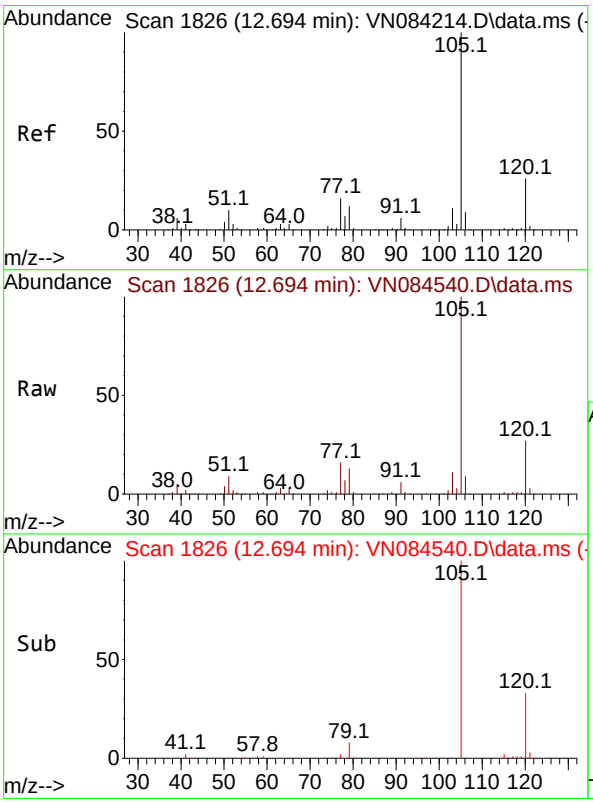
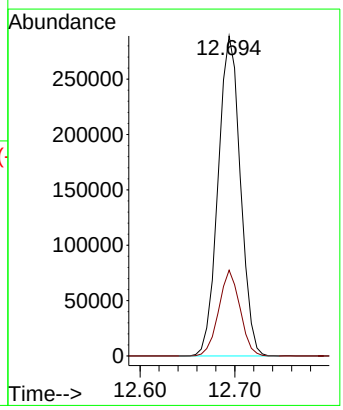
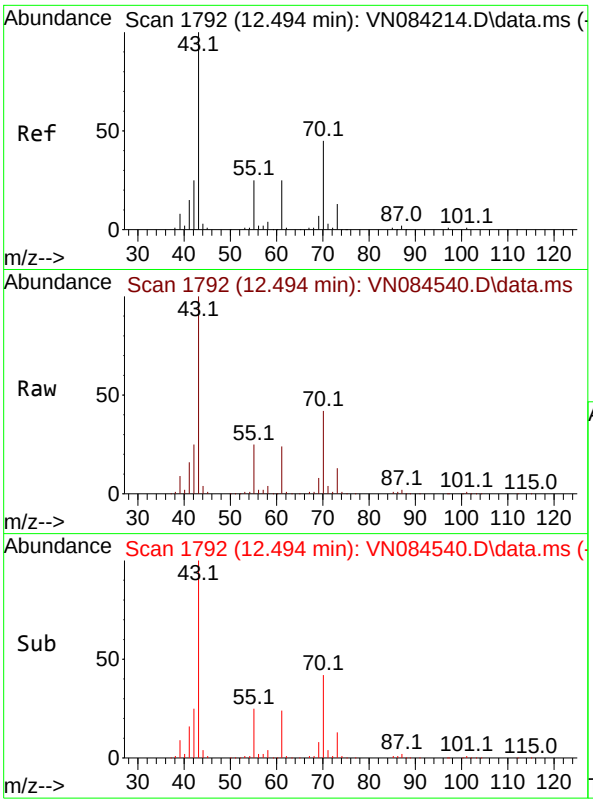


#73
Isopropylbenzene
Concen: 47.803 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:105 Resp: 472876

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

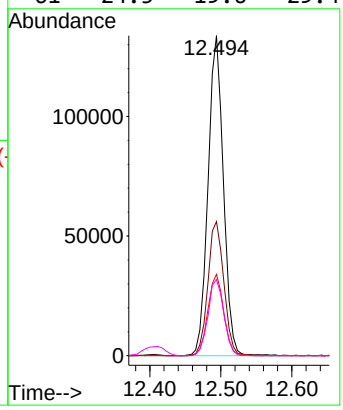




#74
N-amyl acetate
Concen: 44.876 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 20102

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	26.3	19.6	29.4
61	24.5	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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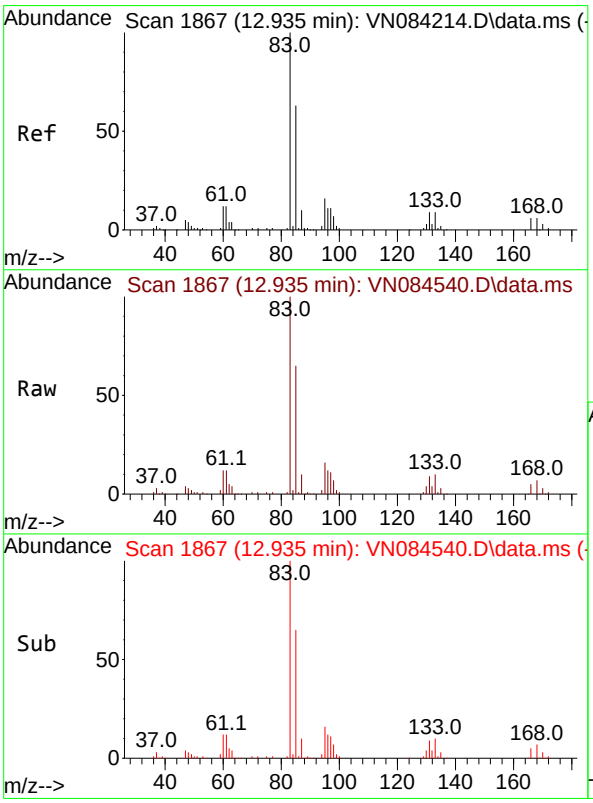
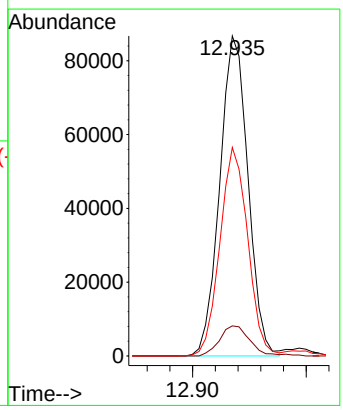
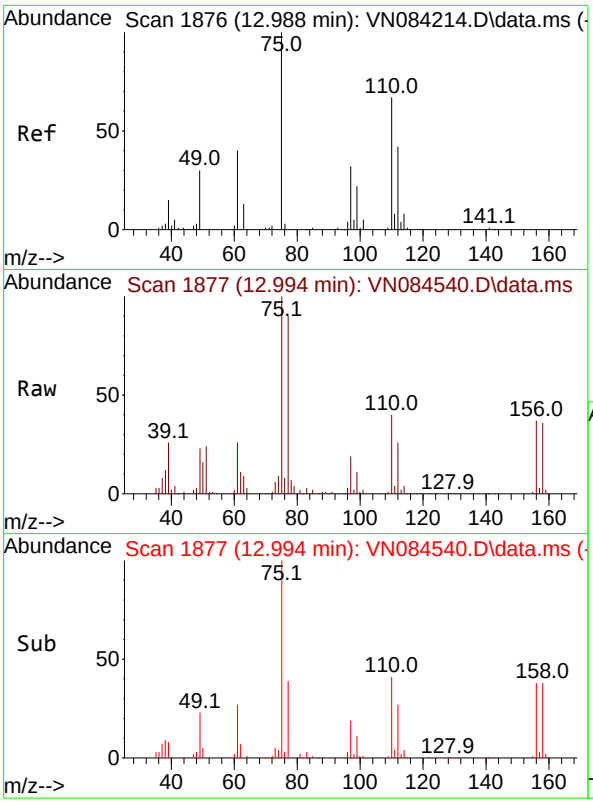


#75
1,1,2,2-Tetrachloroethane
Concen: 50.350 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 83 Resp: 149767

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.1	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 46.479 ug/l m
RT: 12.994 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 12300

Ion	Ratio	Lower	Upper
75	100		
77	207.0	96.9	290.7

Instrument :
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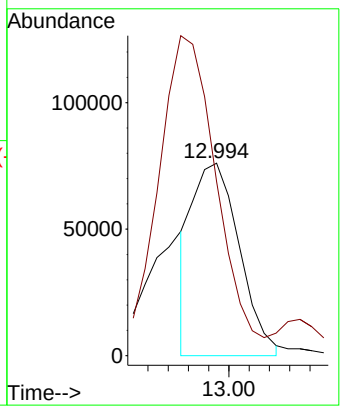
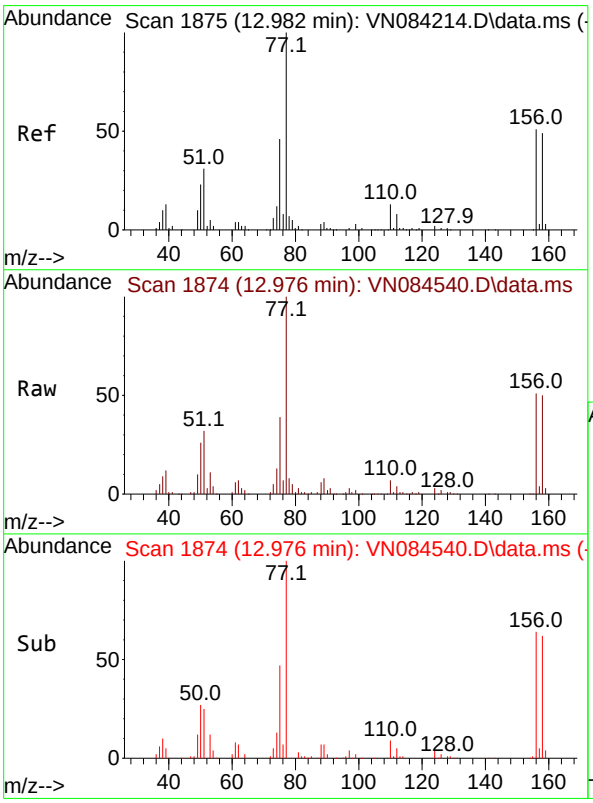
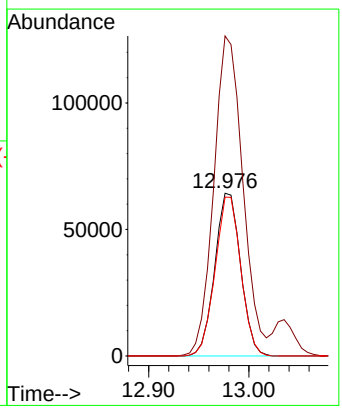


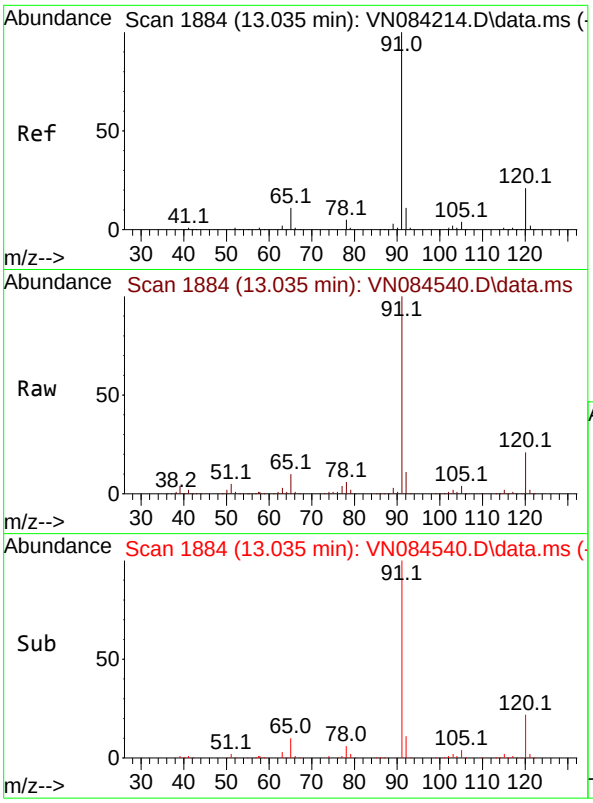


#77
Bromobenzene
Concen: 48.237 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:156 Resp: 115100

Ion	Ratio	Lower	Upper
156	100		
77	221.3	115.1	345.3
158	97.3	48.9	146.8





#78
n-propylbenzene
Concen: 49.529 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 56766

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

Instrument :
MSVOA_N
ClientSampleId :
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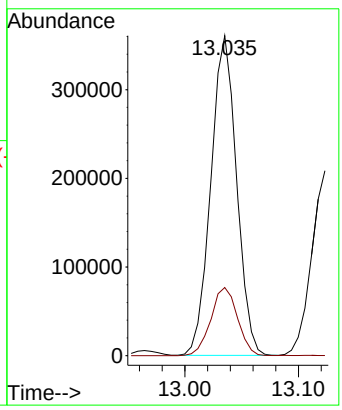
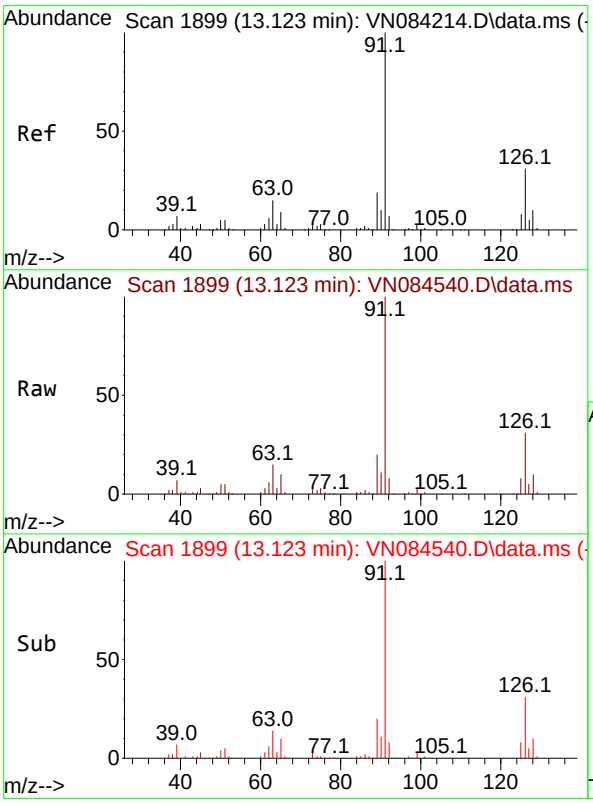
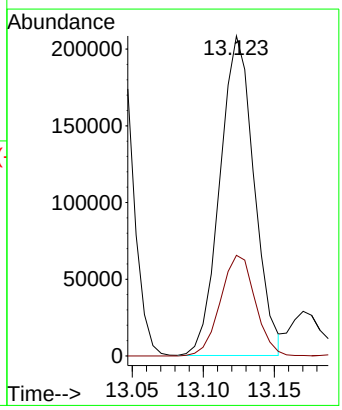


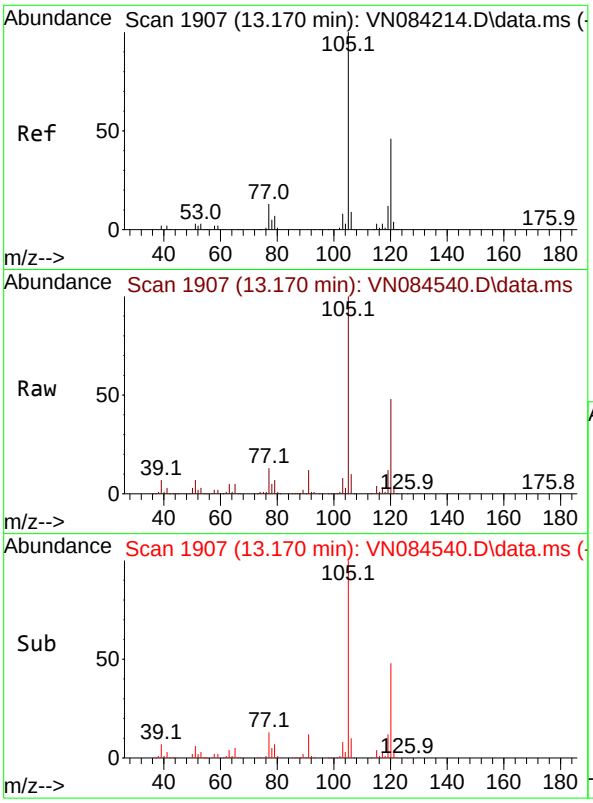


#79
2-Chlorotoluene
Concen: 47.807 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 349631

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1





#80
1,3,5-Trimethylbenzene
Concen: 50.275 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:105 Resp: 40568

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

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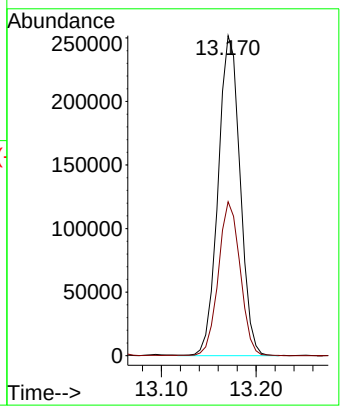
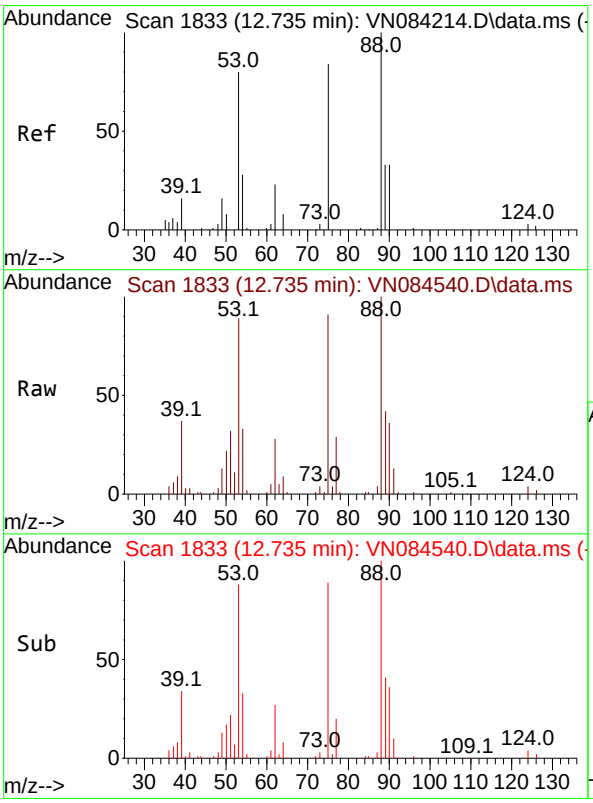
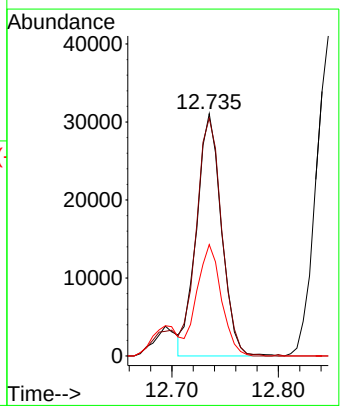


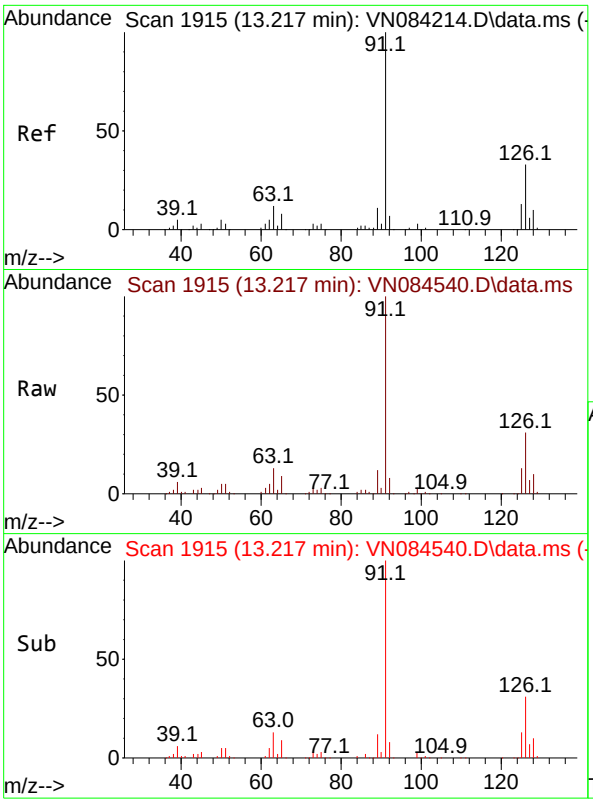


#81
trans-1,4-Dichloro-2-butene
Concen: 45.678 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 50423

Ion	Ratio	Lower	Upper
75	100		
53	111.3	78.0	117.0
89	44.6	35.5	53.3

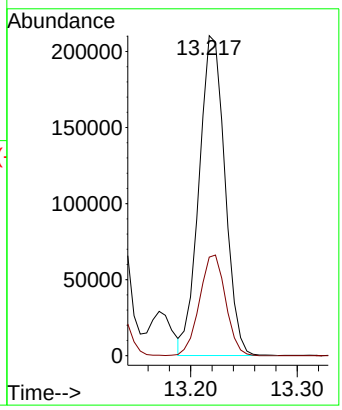




#82
4-Chlorotoluene
Concen: 48.301 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 35559

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
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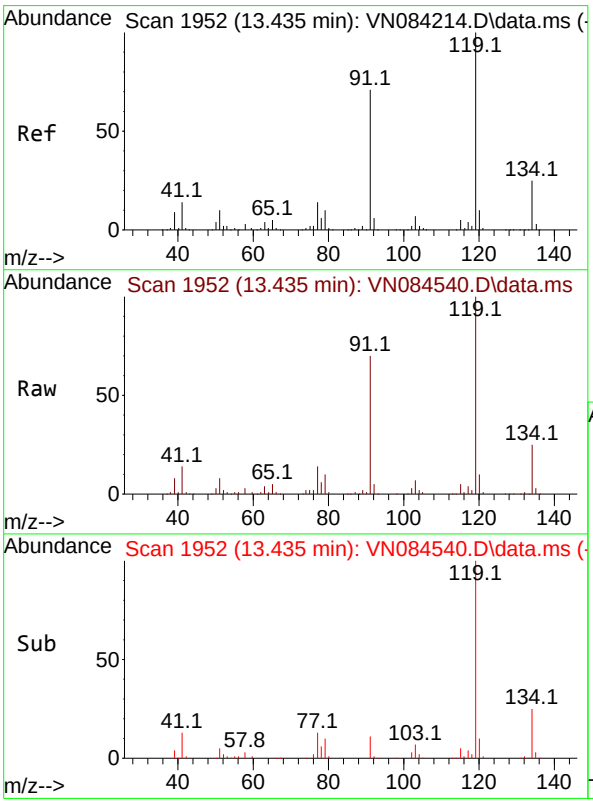
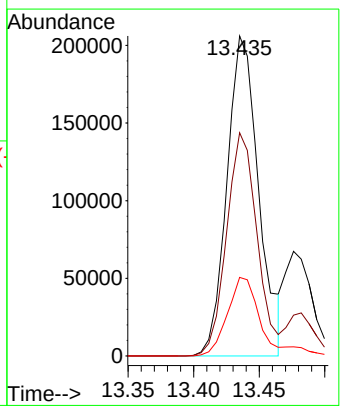
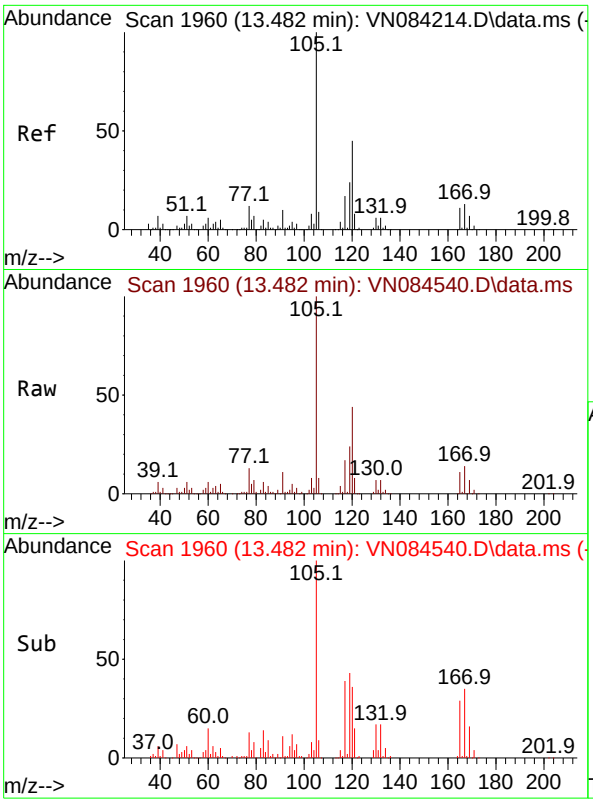


#83
tert-Butylbenzene
Concen: 48.470 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:119 Resp: 347621

Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	26.2	12.8	38.4

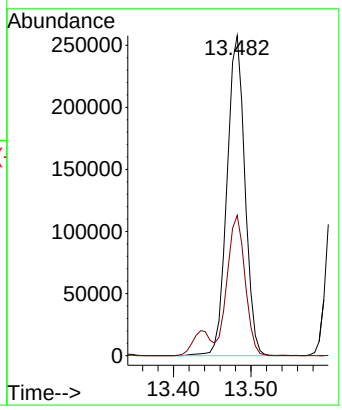




#84
1,2,4-Trimethylbenzene
Concen: 51.006 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:105 Resp: 41462

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



Instrument :
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ClientSampleId :
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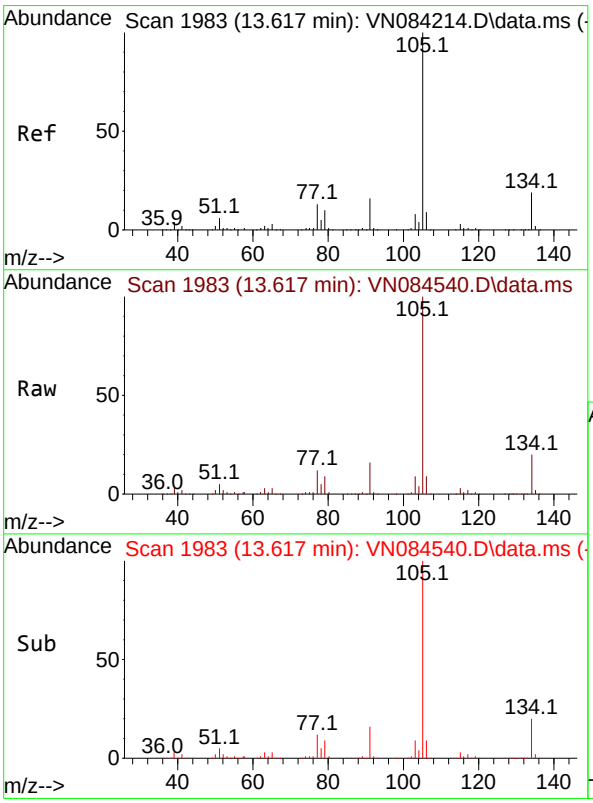
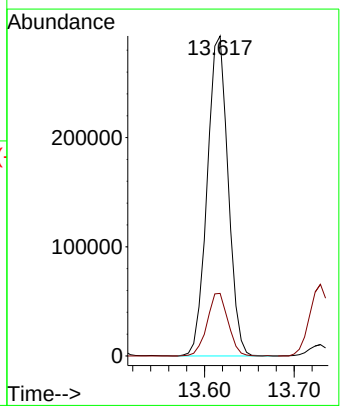
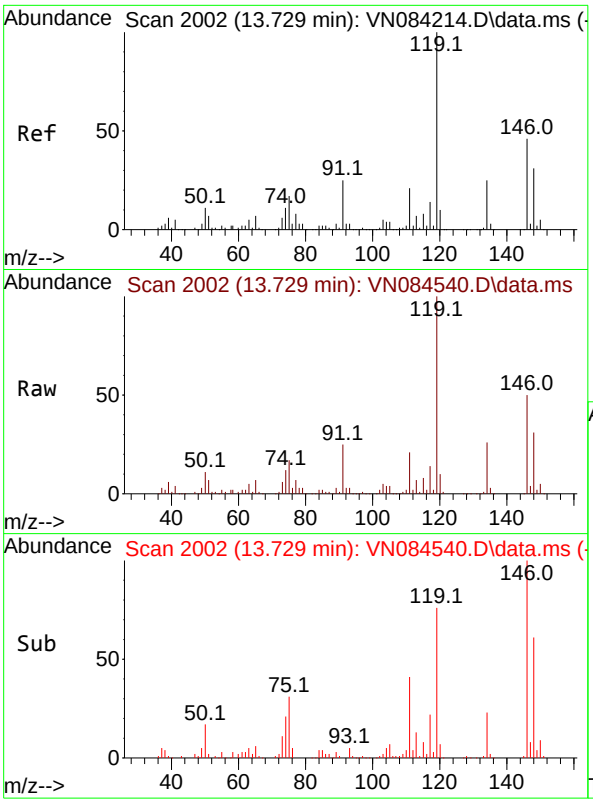


#85
sec-Butylbenzene
Concen: 49.467 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:105 Resp: 473419

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

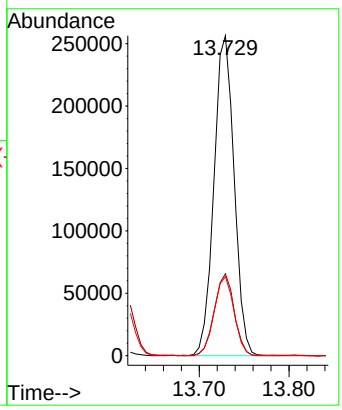




#86
p-Isopropyltoluene
Concen: 50.600 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:119 Resp: 40044

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	24.6	12.4	37.2



Instrument :
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ClientSampleId :
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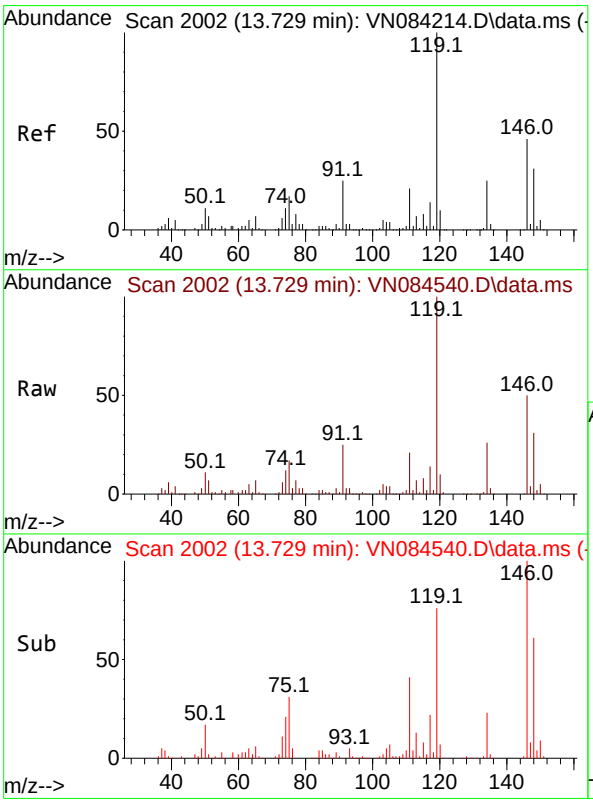
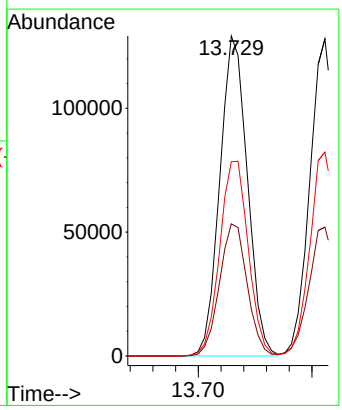
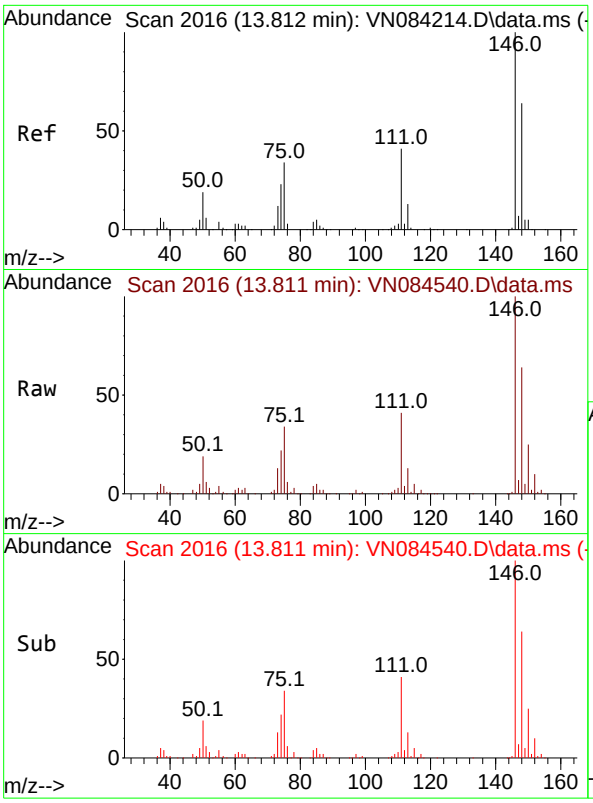


#87
1,3-Dichlorobenzene
Concen: 48.602 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:146 Resp: 217557

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	63.2	31.9	95.7

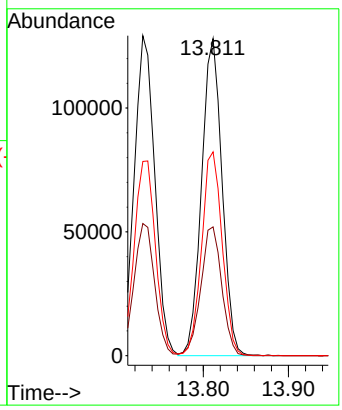




#88
1,4-Dichlorobenzene
Concen: 47.242 ug/l
RT: 13.811 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:146 Resp: 21355

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.6	31.9	95.9



Instrument :
MSVOA_N
ClientSampleId :
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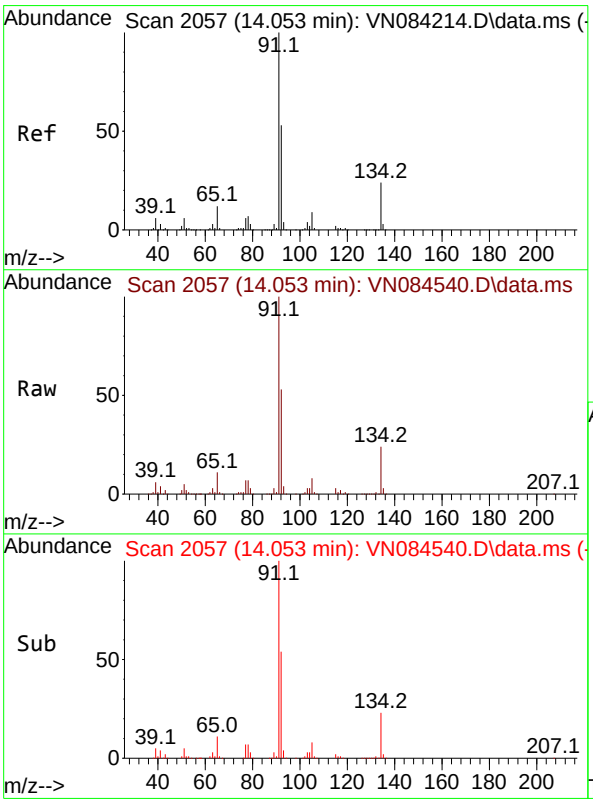
APPROVED

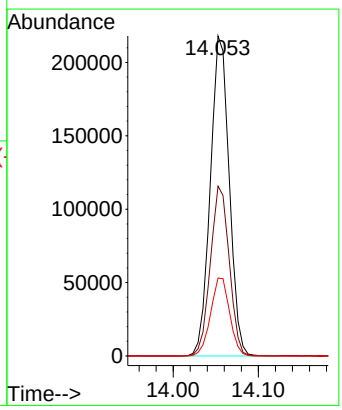
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

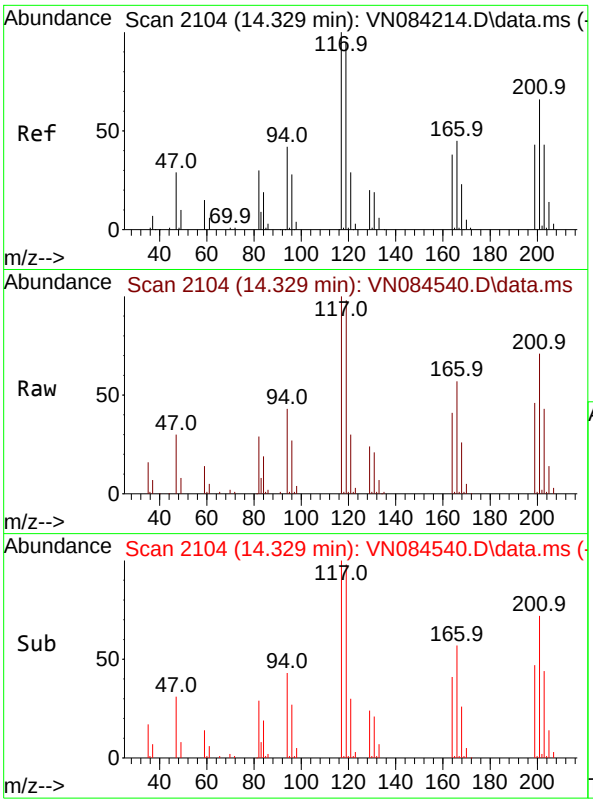


#89
n-Butylbenzene
Concen: 46.800 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 335833

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	24.6	12.3	36.9

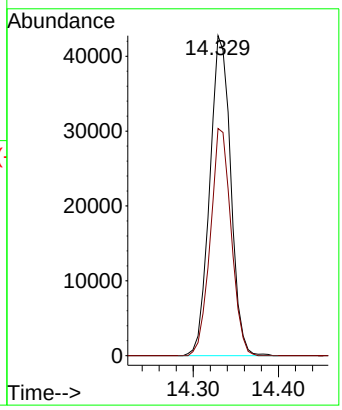




#90
Hexachloroethane
Concen: 45.481 ug/l
RT: 14.329 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:117 Resp: 7305

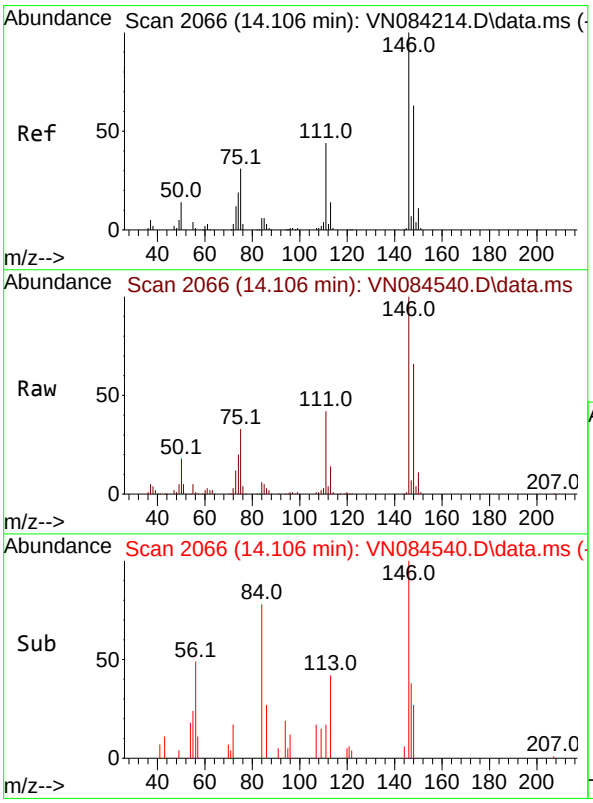
Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.4	103.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
APPROVED

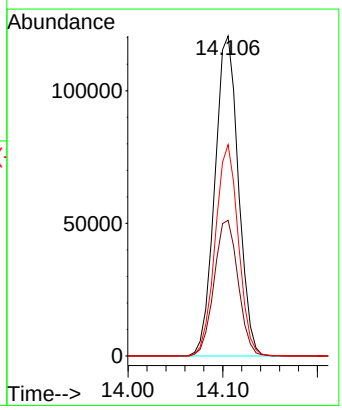
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

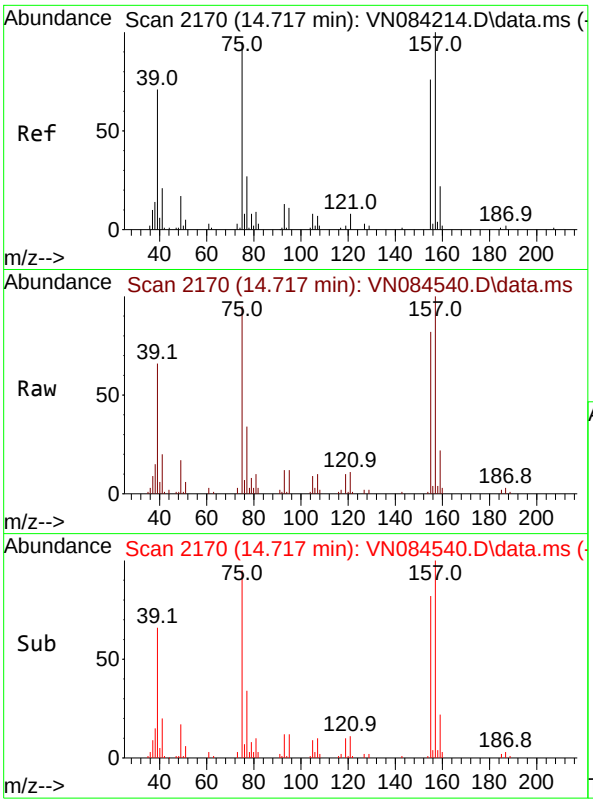


#91
1,2-Dichlorobenzene
Concen: 47.489 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:146 Resp: 208440

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.0	66.0
148	64.9	32.1	96.3





#92
1,2-Dibromo-3-Chloropropane
Concen: 45.203 ug/l
RT: 14.717 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 2774

Ion	Ratio	Lower	Upper
75	100		
155	79.5	38.1	114.5
157	103.5	49.6	149.0

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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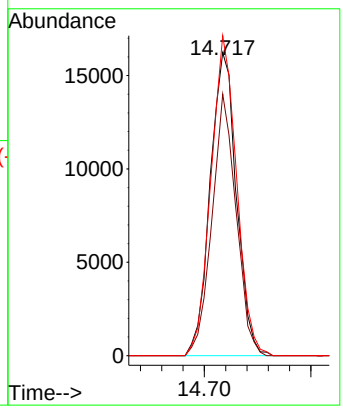
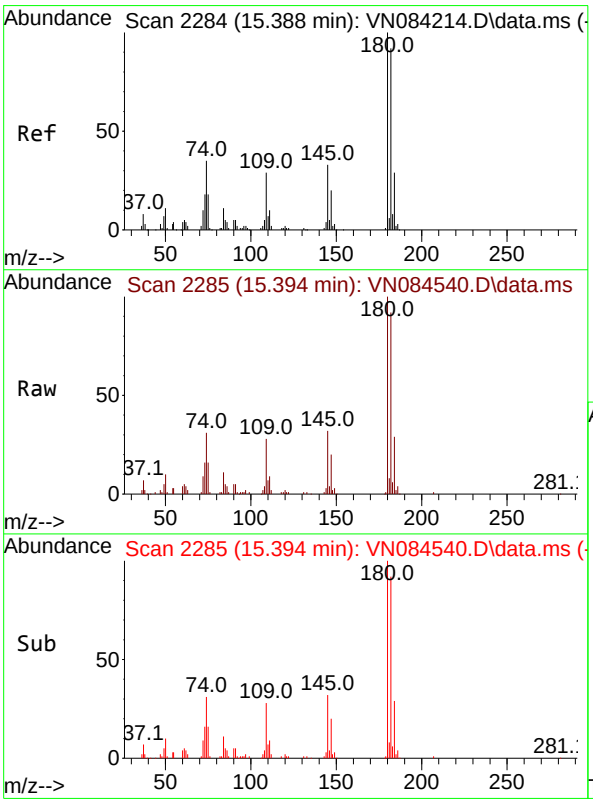
Supervised By :Semsettin Yesilyurt 10/29/2024

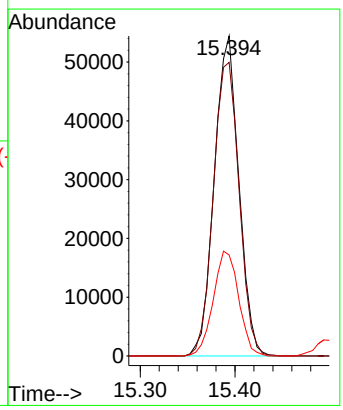


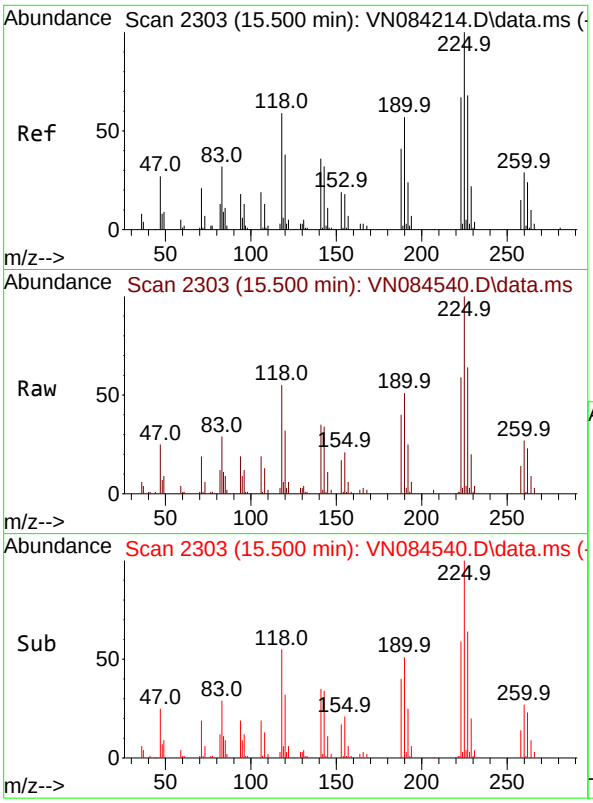


#93
1,2,4-Trichlorobenzene
Concen: 45.303 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:180 Resp: 97943

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.0
145	33.9	16.4	49.4

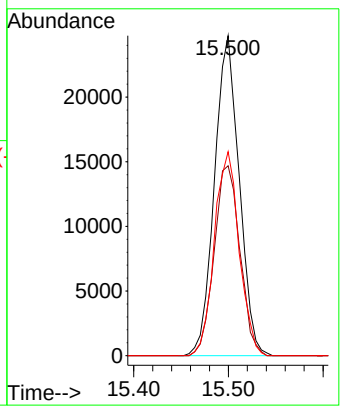




#94
Hexachlorobutadiene
Concen: 41.621 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:225 Resp: 4487

Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.4	97.2
227	63.9	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
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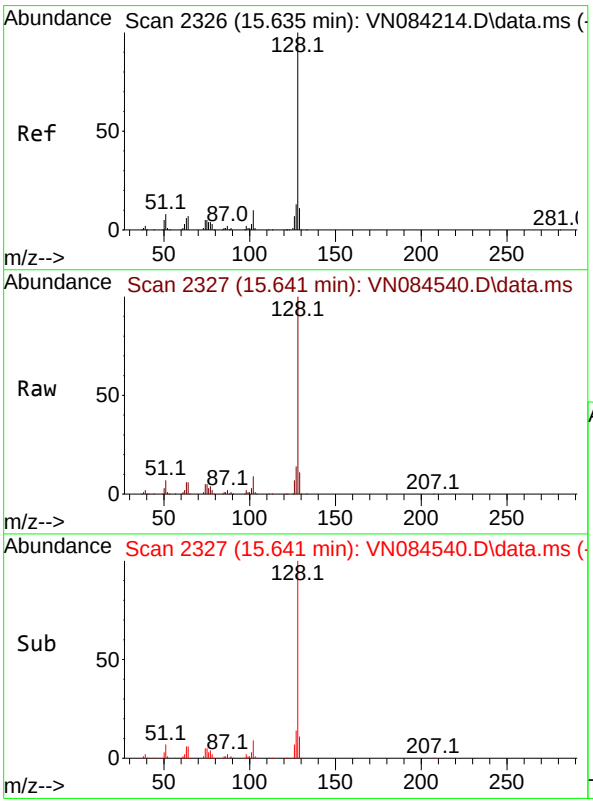
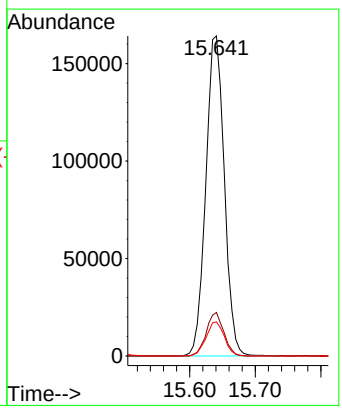
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

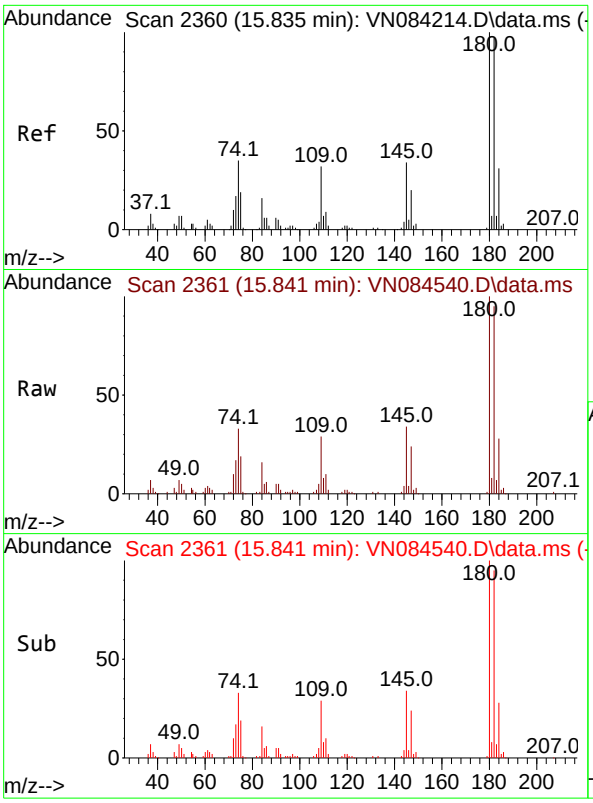


#95
Naphthalene
Concen: 44.978 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:128 Resp: 322365

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	8.7	13.1

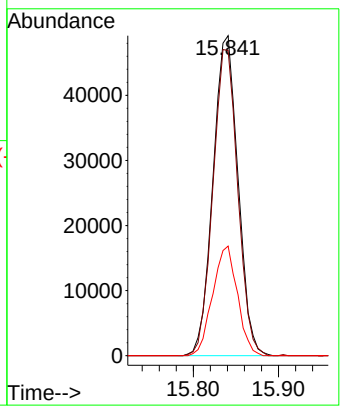




#96
1,2,3-Trichlorobenzene
Concen: 46.288 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:180 Resp: 10017

Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.2	144.6
145	33.9	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340MSD	SDG No.:	P4550
Lab Sample ID:	P4550-08MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084541.D	1		10/28/24 15:53	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	45.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	49.0		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	47.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	43.5		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.2		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	53.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	53.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	210		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	43.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	54.5		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	53.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.8		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	54.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	250		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.2		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	55.2		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	54.6		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	50.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	53.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	51.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	55.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.7		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.75	2.50	5.00	ug/L
108-88-3	Toluene	54.7		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	53.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	51.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	270		1.10	2.50	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:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-338-340MSD	SDG No.:	P4550
Lab Sample ID:	P4550-08MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084541.D	1		10/28/24 15:53	VN102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	57.8		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	51.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	52.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	53.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	56.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	58.1		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	59.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	50.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	52.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	49.6		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.6		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	8.224				
540-36-3	1,4-Difluorobenzene	271000	9.1				
3114-55-4	Chlorobenzene-d5	242000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122304	53.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	8.165	113	98179	54.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.980%			
50) Toluene-d8	10.565	98	352123	53.605	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.220%			
62) 4-Bromofluorobenzene	12.847	95	136392	56.994	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	85573	46.813	ug/l	93
3) Chloromethane	2.359	50	95744	45.872	ug/l	96
4) Vinyl Chloride	2.512	62	99148	49.040	ug/l	100
5) Bromomethane	2.948	94	62729	47.039	ug/l	100
6) Chloroethane	3.118	64	63038	43.536	ug/l	96
7) Trichlorofluoromethane	3.495	101	167421	53.179	ug/l	100
8) Diethyl Ether	3.959	74	60399	51.728	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	97280	53.927	ug/l	97
10) Methyl Iodide	4.583	142	122930	52.916	ug/l	96
11) Tert butyl alcohol	5.524	59	88009	232.938	ug/l	99
12) 1,1-Dichloroethene	4.342	96	92223	53.002	ug/l	95
13) Acrolein	4.177	56	109576	252.628	ug/l	98
14) Allyl chloride	5.018	41	145067	48.005	ug/l	96
15) Acrylonitrile	5.718	53	259448	271.928	ug/l	99
16) Acetone	4.430	43	206504	209.796	ug/l	96
17) Carbon Disulfide	4.712	76	241414	43.822	ug/l	99
18) Methyl Acetate	5.030	43	129085	60.169	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	320220	54.526	ug/l	98
20) Methylene Chloride	5.277	84	106388	53.170	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	96257	52.803	ug/l	98
22) Diisopropyl ether	6.671	45	341560	54.644	ug/l	100
23) Vinyl Acetate	6.600	43	1185670	255.748	ug/l	97
24) 1,1-Dichloroethane	6.565	63	191176	54.692	ug/l	99
25) 2-Butanone	7.483	43	337019	251.386	ug/l	98
26) 2,2-Dichloropropane	7.488	77	158703	50.354	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	119318	54.165	ug/l	96
28) Bromochloromethane	7.812	49	76267	48.901	ug/l	95
29) Tetrahydrofuran	7.835	42	224350	271.173	ug/l	97
30) Chloroform	7.965	83	200327	55.172	ug/l	100
31) Cyclohexane	8.253	56	153830	45.325	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	178117	54.621	ug/l	99
36) 1,1-Dichloropropene	8.371	75	131591	50.741	ug/l	99
37) Ethyl Acetate	7.559	43	135651	50.985	ug/l	99
38) Carbon Tetrachloride	8.359	117	153184	53.846	ug/l	97
39) Methylcyclohexane	9.600	83	144215	49.964	ug/l	99
40) Benzene	8.606	78	429517	53.157	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78943	54.654	ug/l		98
42) 1,2-Dichloroethane	8.671	62	143182	52.270	ug/l		99
43) Isopropyl Acetate	8.688	43	229248	43.990	ug/l		98
44) Trichloroethene	9.347	130	97377	51.599	ug/l		96
45) 1,2-Dichloropropane	9.618	63	106589	55.763	ug/l		99
46) Dibromomethane	9.706	93	74032	57.393	ug/l		97
47) Bromodichloromethane	9.888	83	156816	54.719	ug/l		99
48) Methyl methacrylate	9.682	41	113200	54.567	ug/l		99
49) 1,4-Dioxane	9.694	88	37253	975.420	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	706513	278.946	ug/l		99
52) Toluene	10.629	92	269566	54.709	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	157268	53.835	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	161305	51.335	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	100849	57.093	ug/l		97
56) Ethyl methacrylate	10.871	69	164976	56.761	ug/l		98
57) 1,3-Dichloropropane	11.165	76	173131	54.852	ug/l		99
59) 2-Hexanone	11.194	43	518127	273.701	ug/l		98
60) Dibromochloromethane	11.359	129	120574	57.772	ug/l		99
61) 1,2-Dibromoethane	11.471	107	100524	54.769	ug/l		100
64) Tetrachloroethene	11.100	164	86425	51.220	ug/l		97
65) Chlorobenzene	11.888	112	281063	52.326	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	102811	55.570	ug/l		99
67) Ethyl Benzene	11.965	91	511064	53.801	ug/l		97
68) m/p-Xylenes	12.070	106	388846	110.663	ug/l		100
69) o-Xylene	12.394	106	186023	55.956	ug/l		100
70) Styrene	12.412	104	326970	58.066	ug/l		97
71) Bromoform	12.576	173	81509	59.841	ug/l	#	100
73) Isopropylbenzene	12.694	105	477965	50.405	ug/l		99
74) N-amyl acetate	12.494	43	199668	46.499	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148921	52.229	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	120305m	47.422	ug/l		
77) Bromobenzene	12.976	156	116619	50.986	ug/l		95
78) n-propylbenzene	13.035	91	557749	50.767	ug/l		98
79) 2-Chlorotoluene	13.123	91	350968	50.063	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	408303	52.786	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	51613	48.776	ug/l		94
82) 4-Chlorotoluene	13.217	91	356802	50.558	ug/l		100
83) tert-Butylbenzene	13.435	119	332305	48.336	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	410580	52.692	ug/l		98
85) sec-Butylbenzene	13.612	105	474663	51.740	ug/l		100
86) p-Isopropyltoluene	13.729	119	403793	53.228	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	215381	50.194	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	212329	49.000	ug/l		98
89) n-Butylbenzene	14.053	91	331045	48.126	ug/l		99
90) Hexachloroethane	14.329	117	73881	47.979	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	208642	49.589	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29102	49.460	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	99380	47.954	ug/l		99
94) Hexachlorobutadiene	15.500	225	45075	43.614	ug/l		99
95) Naphthalene	15.641	128	328108	47.757	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	98790	47.622	ug/l		97

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Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

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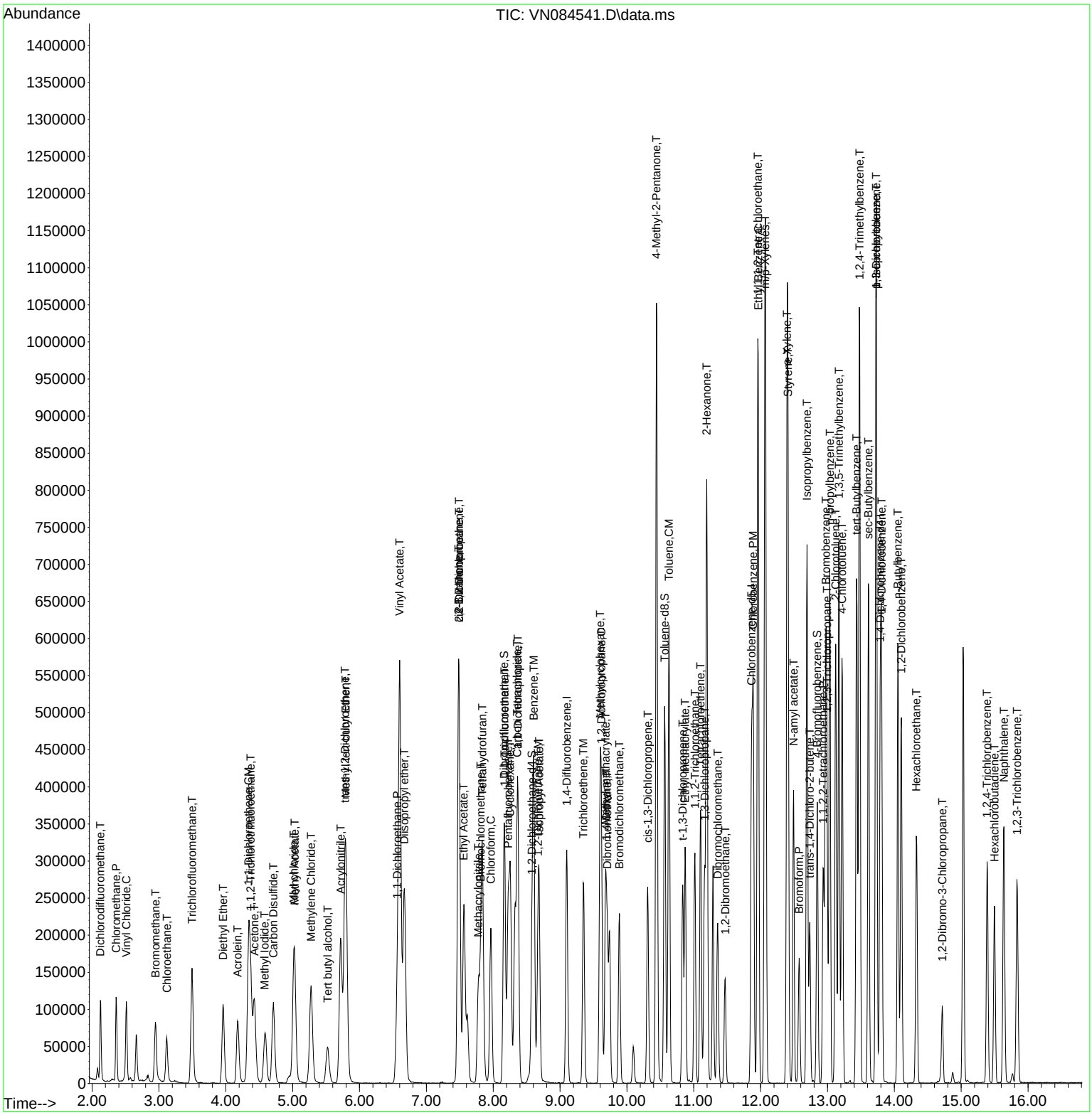

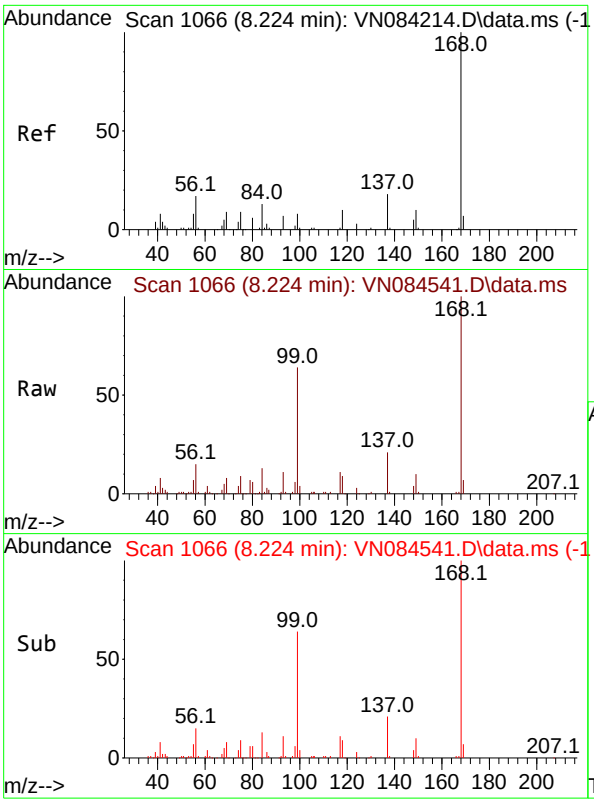

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:168 Resp: 15453

Ion	Ratio	Lower	Upper
168	100		
99	63.7	54.2	81.2

Instrument :
MSVOA_N
ClientSampleId :
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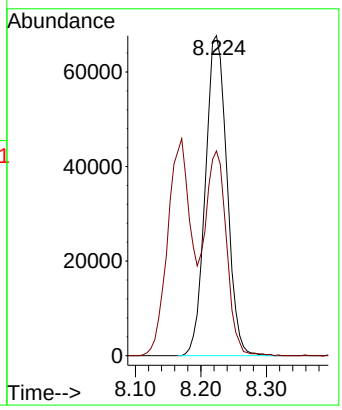
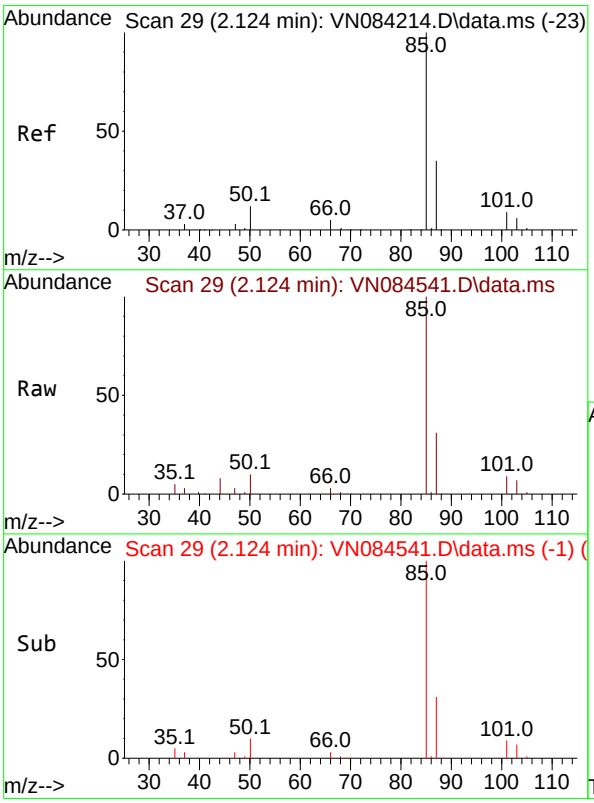
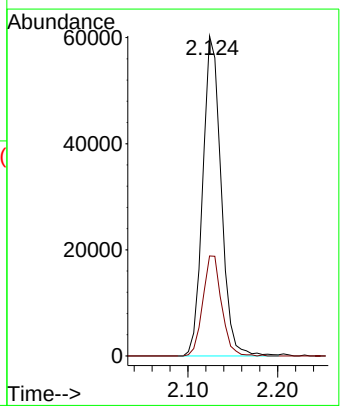


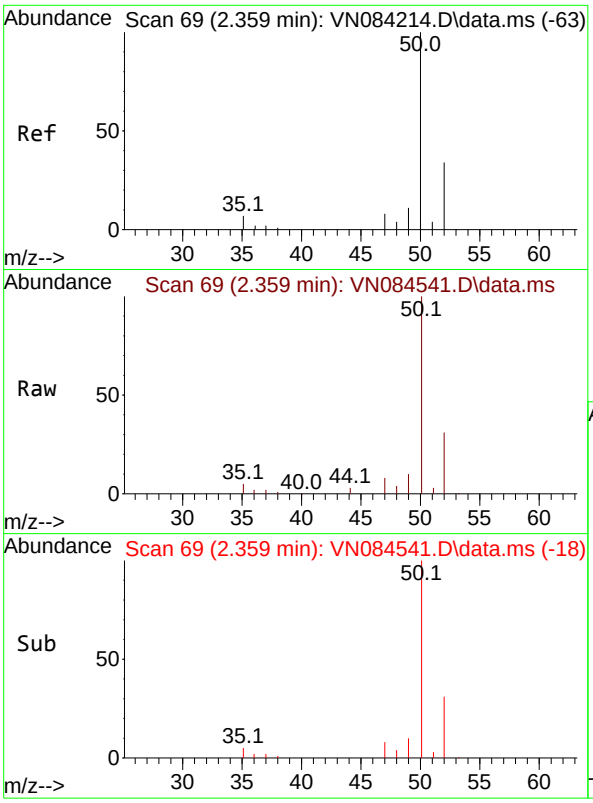


#2
Dichlorodifluoromethane
Concen: 46.813 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 85 Resp: 85573

Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.6	52.9

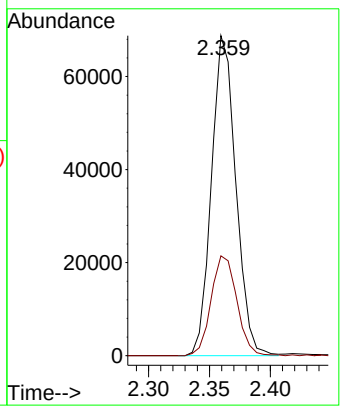




#3
Chloromethane
Concen: 45.872 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 50 Resp: 9574

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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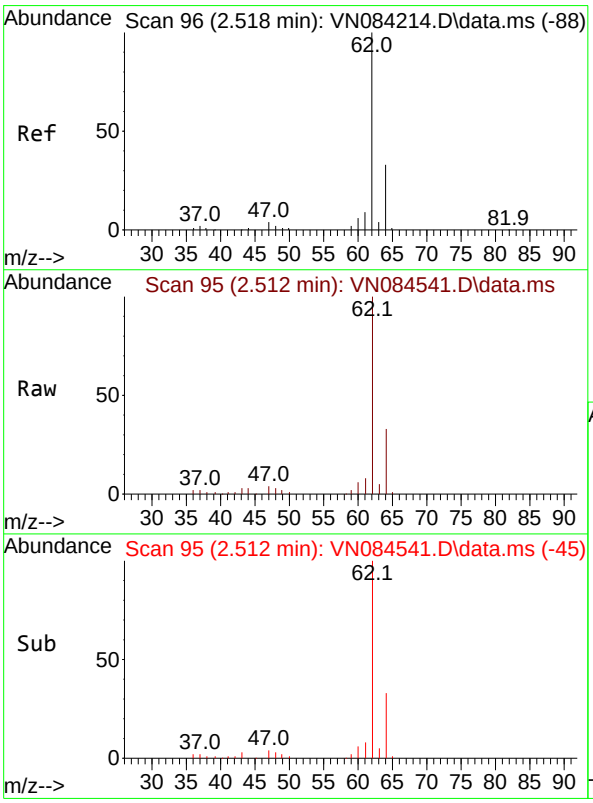
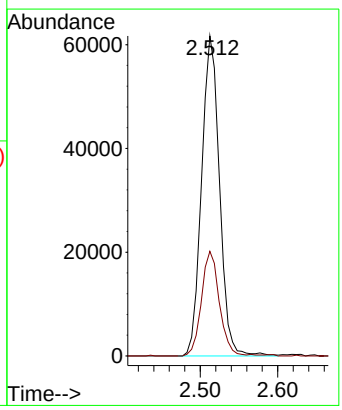
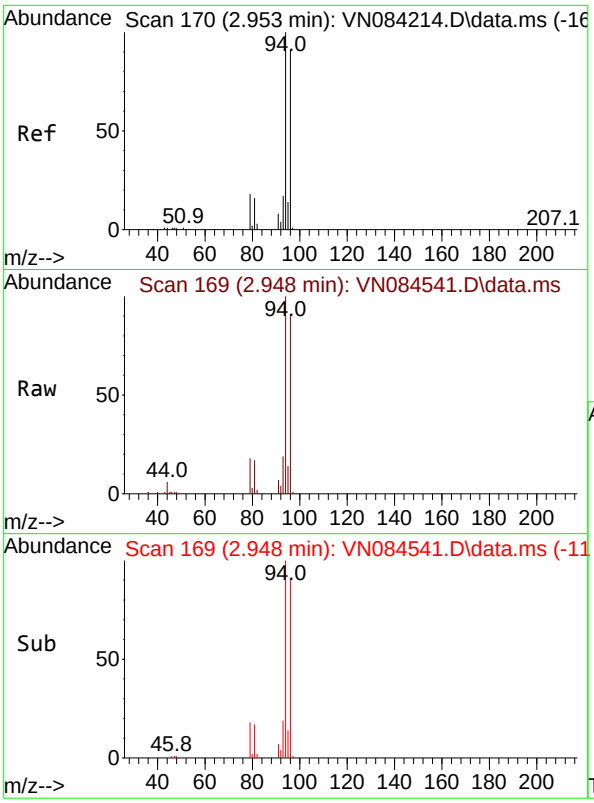


#4
Vinyl Chloride
Concen: 49.040 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 62 Resp: 99148

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4

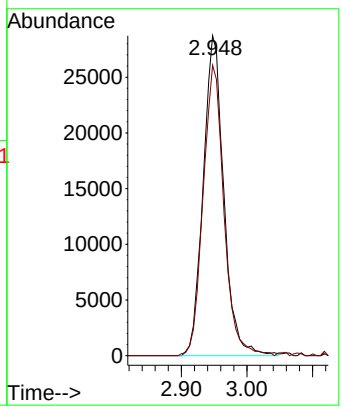




#5
Bromomethane
Concen: 47.039 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 94 Resp: 6272

Ion	Ratio	Lower	Upper
94	100		
96	90.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
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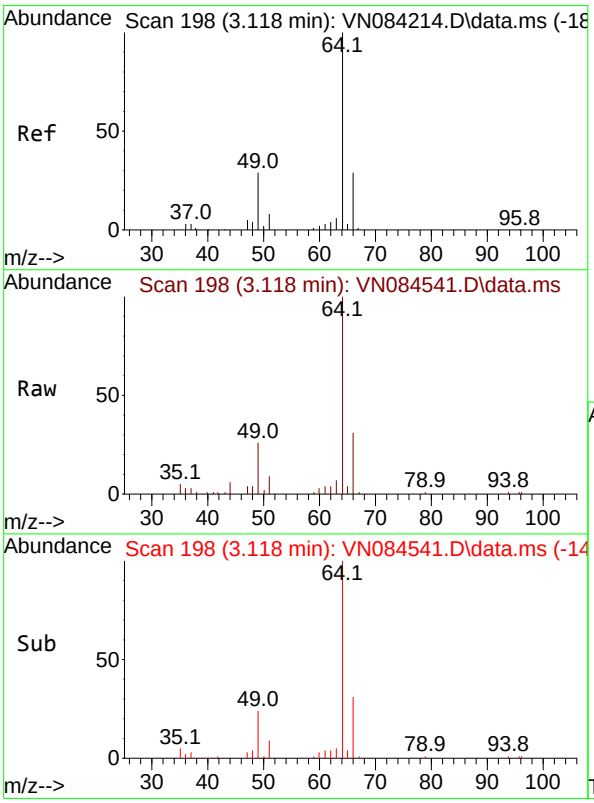
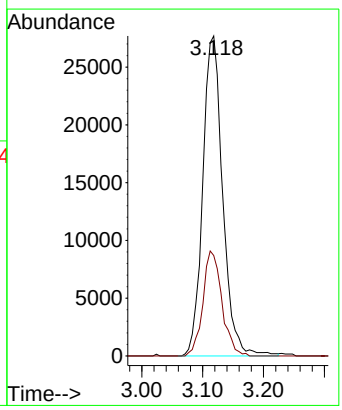
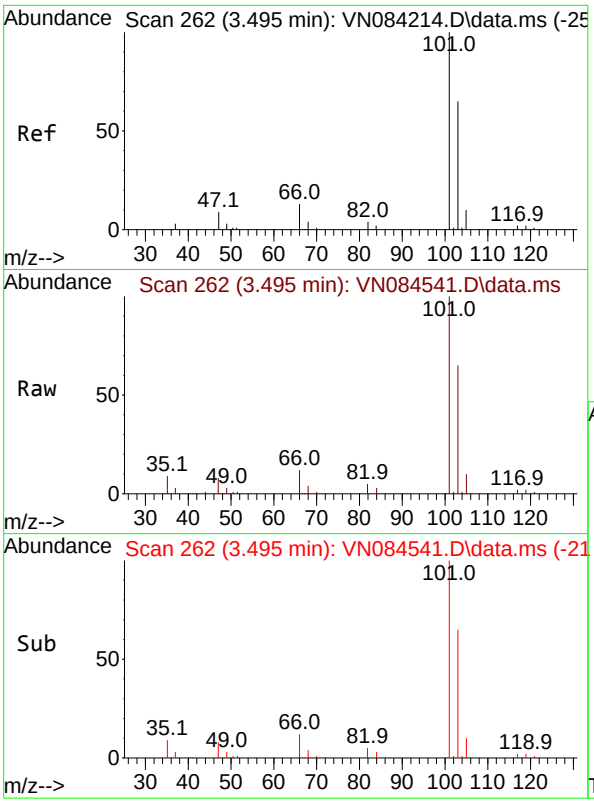


#6
Chloroethane
Concen: 43.536 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 64 Resp: 63038

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3

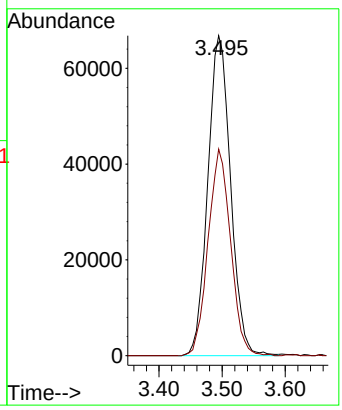




#7
Trichlorofluoromethane
Concen: 53.179 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:101 Resp: 16742

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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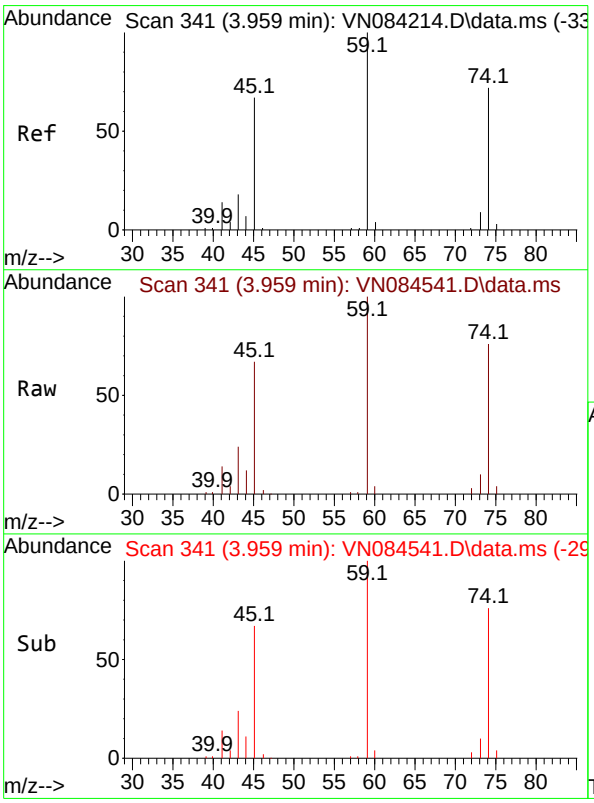
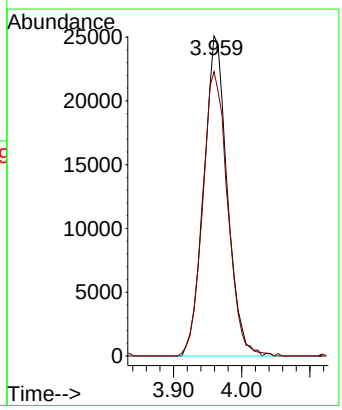
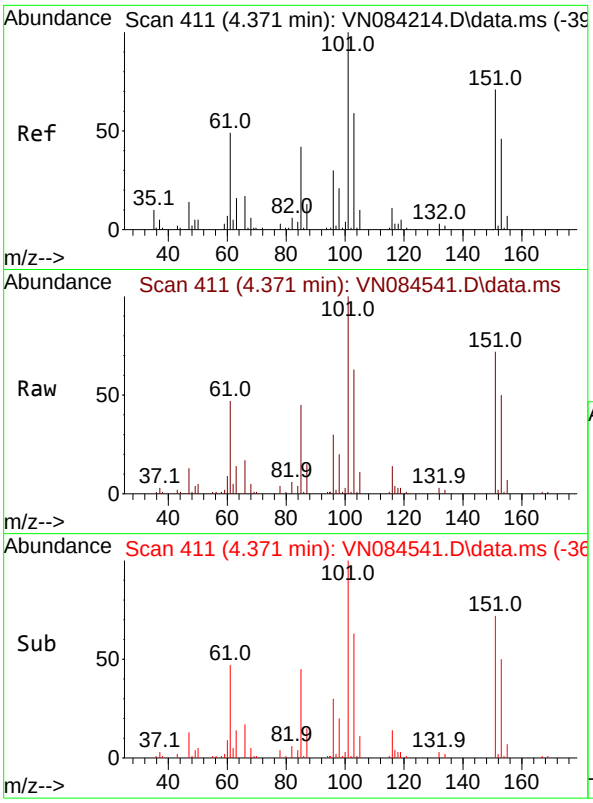


#8
Diethyl Ether
Concen: 51.728 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 74 Resp: 60399

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.927 ug/l
RT: 4.371 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:101 Resp: 9728

Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.2	54.4
151	71.9	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
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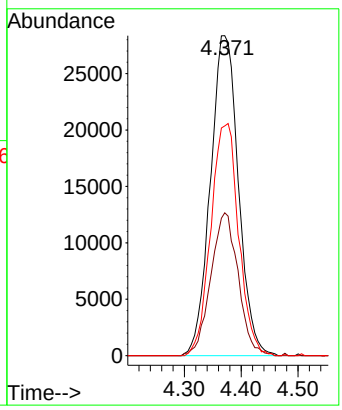
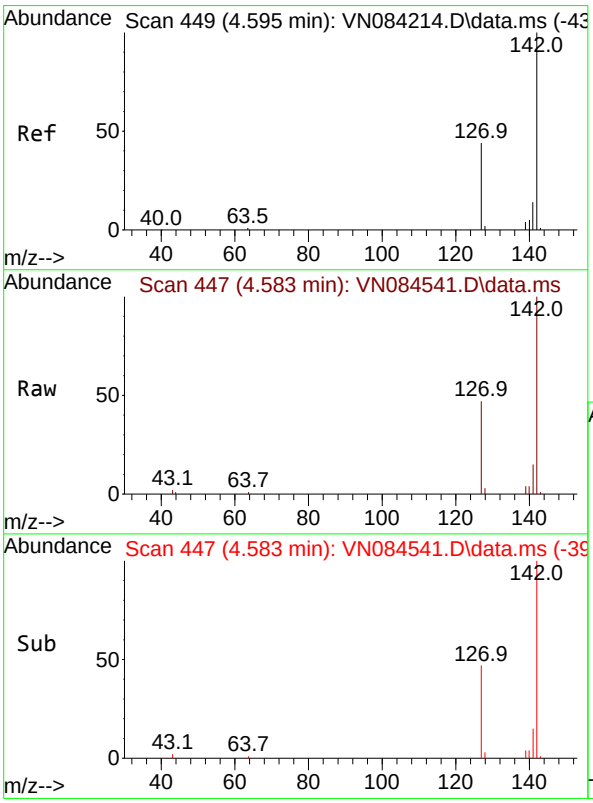
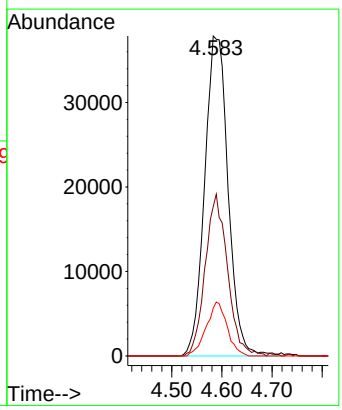


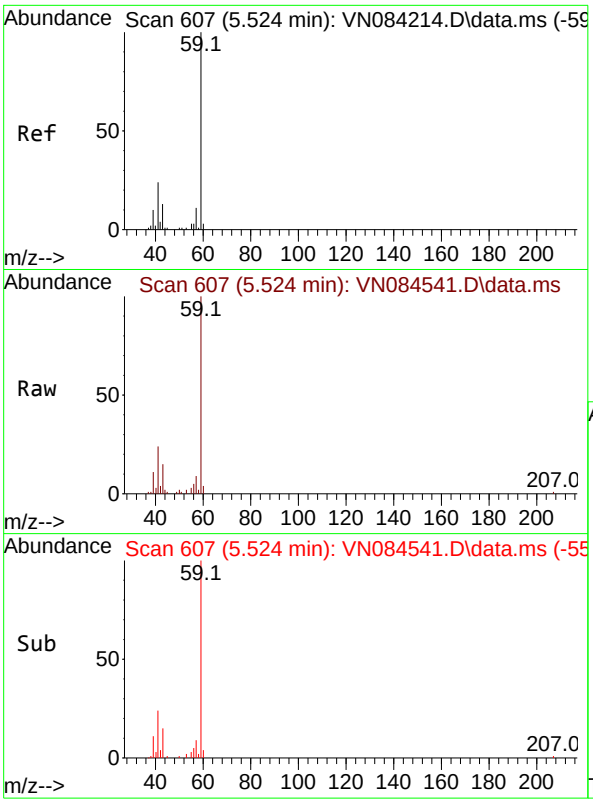


#10
Methyl Iodide
Concen: 52.916 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:142 Resp: 122930

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	14.9	11.0	16.6





#11
Tert butyl alcohol
Concen: 232.938 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 59 Resp: 8800

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
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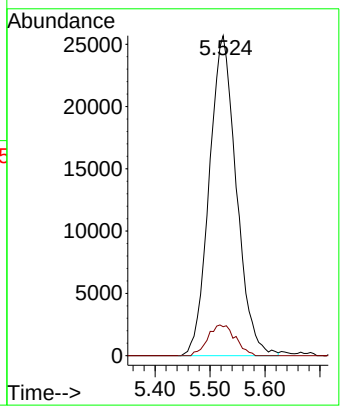
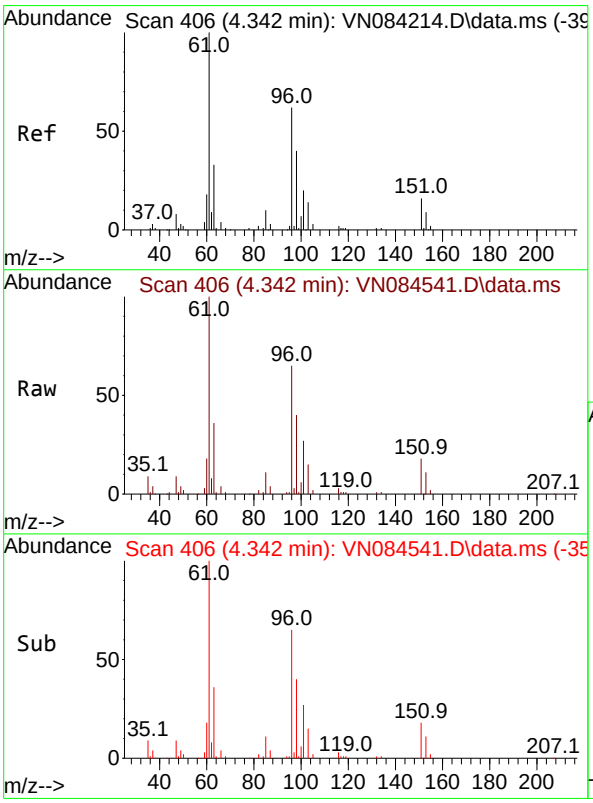
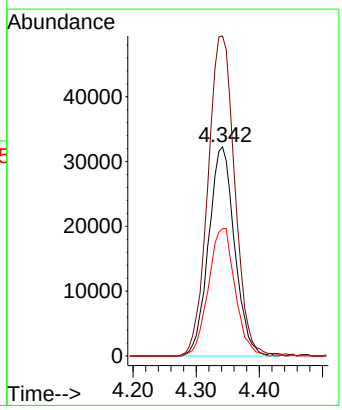


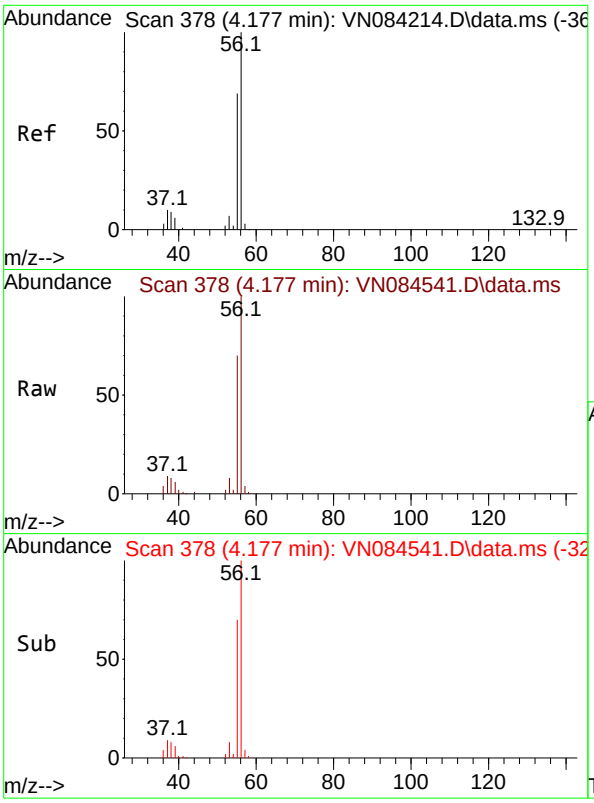


#12
1,1-Dichloroethene
Concen: 53.002 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 96 Resp: 92223

Ion	Ratio	Lower	Upper
96	100		
61	153.0	128.6	192.8
98	60.9	51.7	77.5

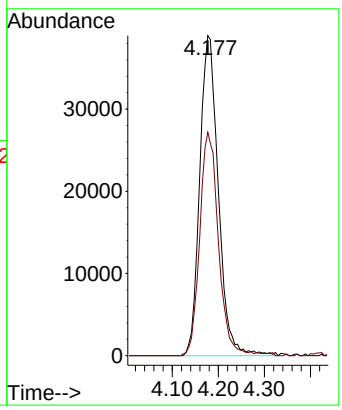




#13
Acrolein
Concen: 252.628 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 56 Resp: 10957

Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.2	85.8



Instrument :
MSVOA_N
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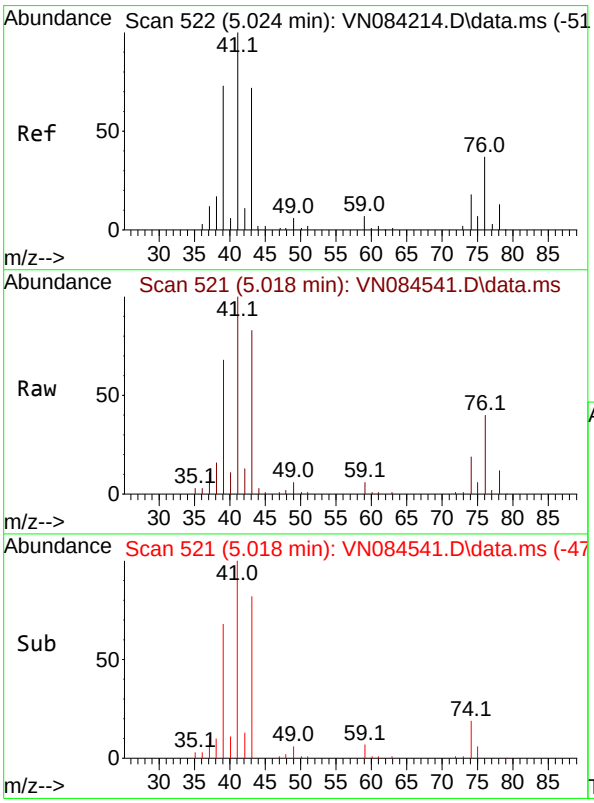
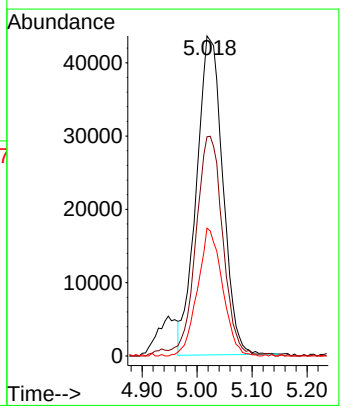
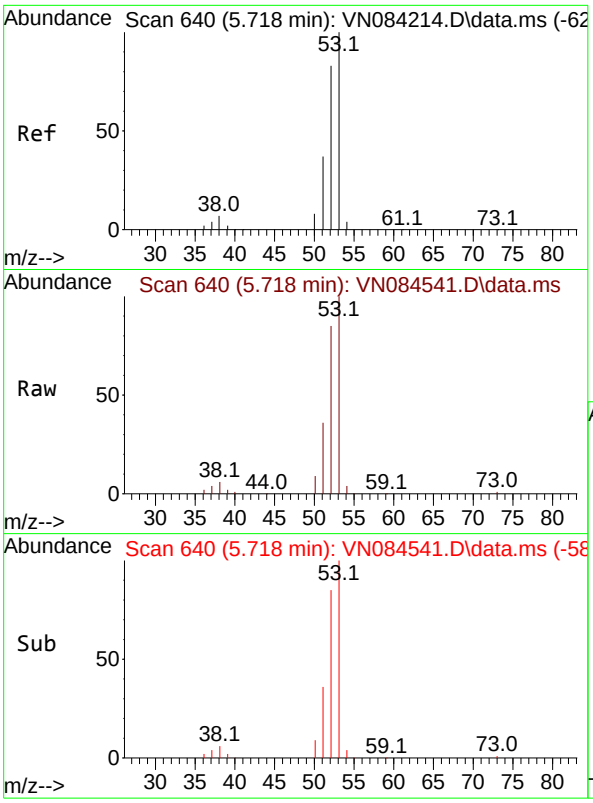


#14
Allyl chloride
Concen: 48.005 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 41 Resp: 145067

Ion	Ratio	Lower	Upper
41	100		
39	69.1	59.0	88.6
76	37.9	29.8	44.6





#15
Acrylonitrile
Concen: 271.928 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 53 Resp: 25944

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.9	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
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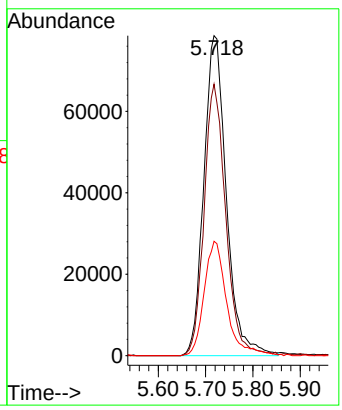
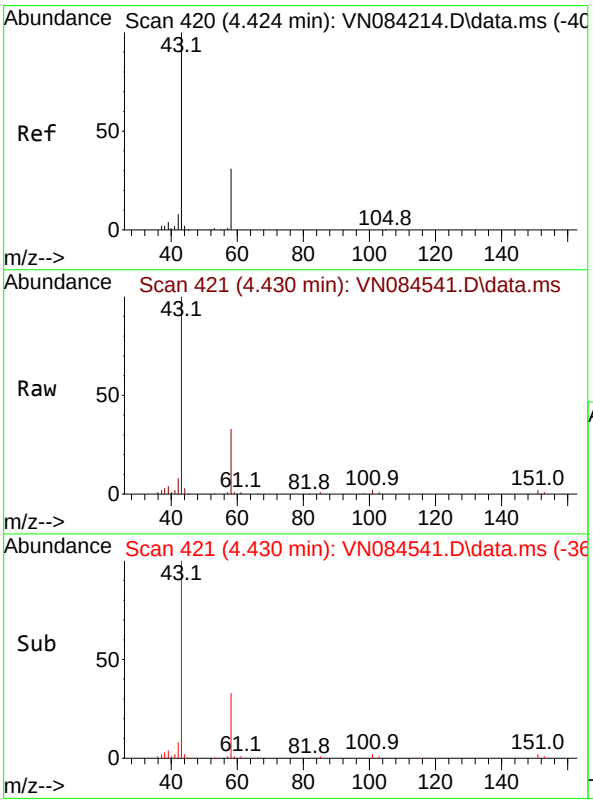
Supervised By :Semsettin Yesilyurt 10/29/2024

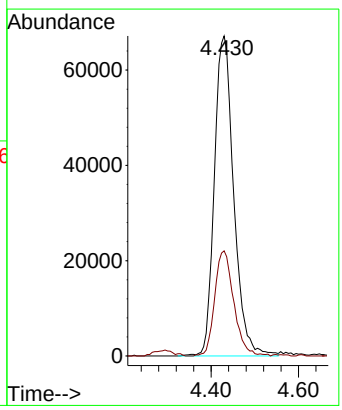


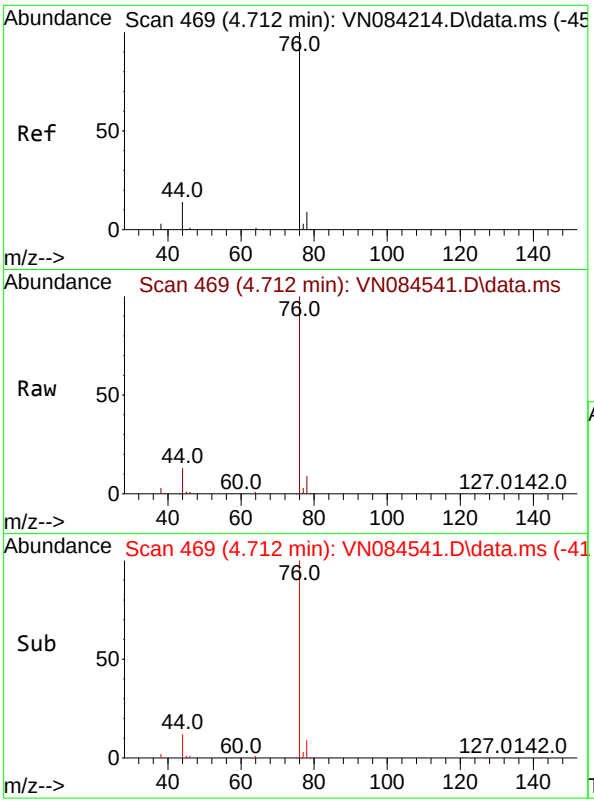


#16
Acetone
Concen: 209.796 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 206504

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.4	36.6





#17
Carbon Disulfide
Concen: 43.822 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 76 Resp: 24141

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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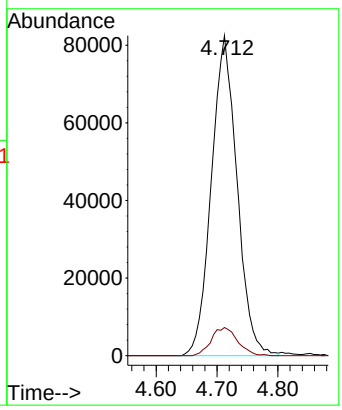
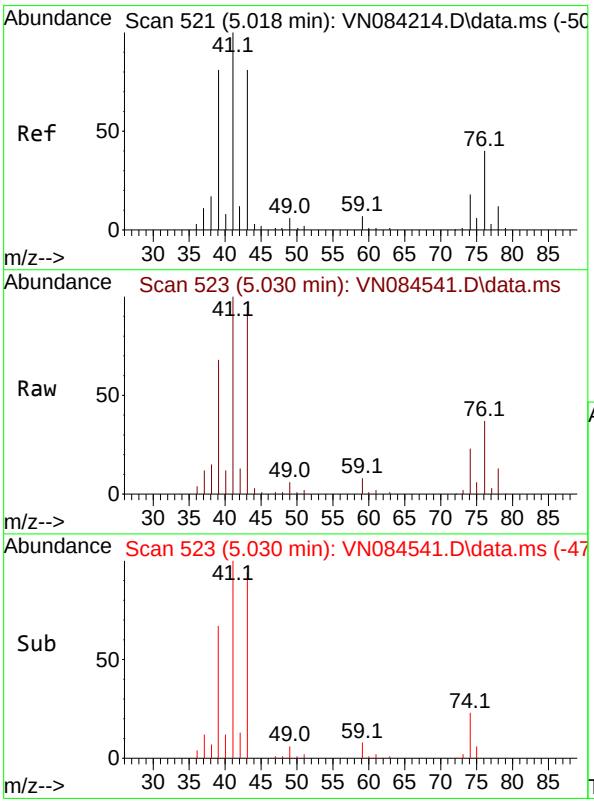
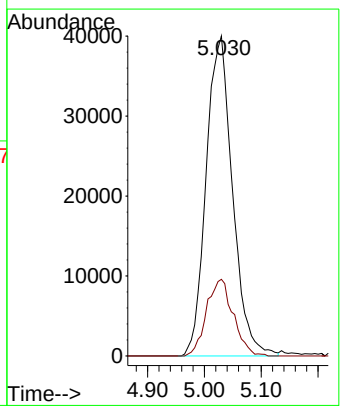


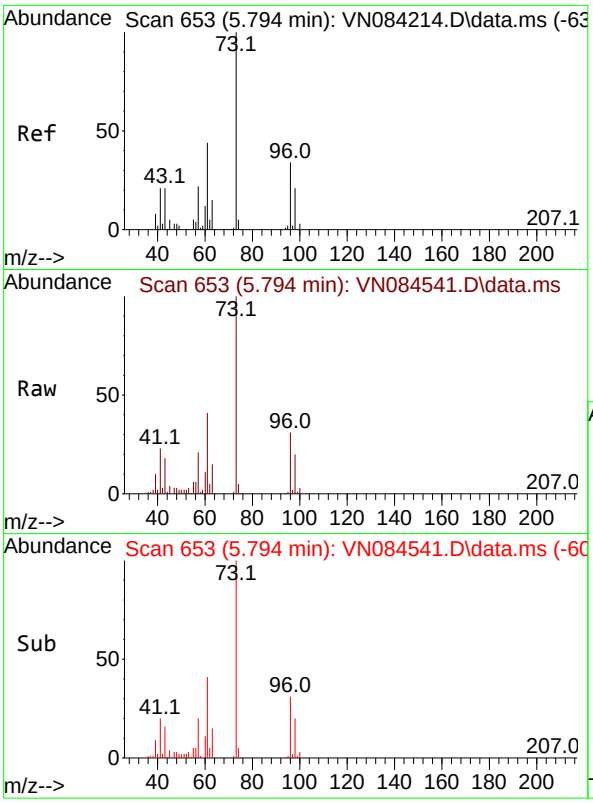


#18
Methyl Acetate
Concen: 60.169 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 129085

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





#19
Methyl tert-butyl Ether
Concen: 54.526 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 73 Resp: 32022

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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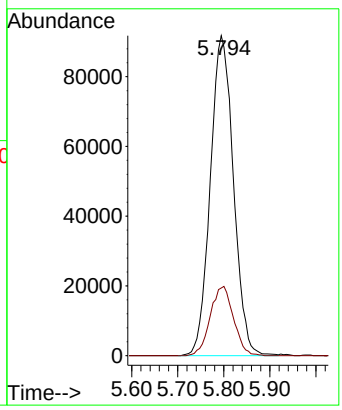
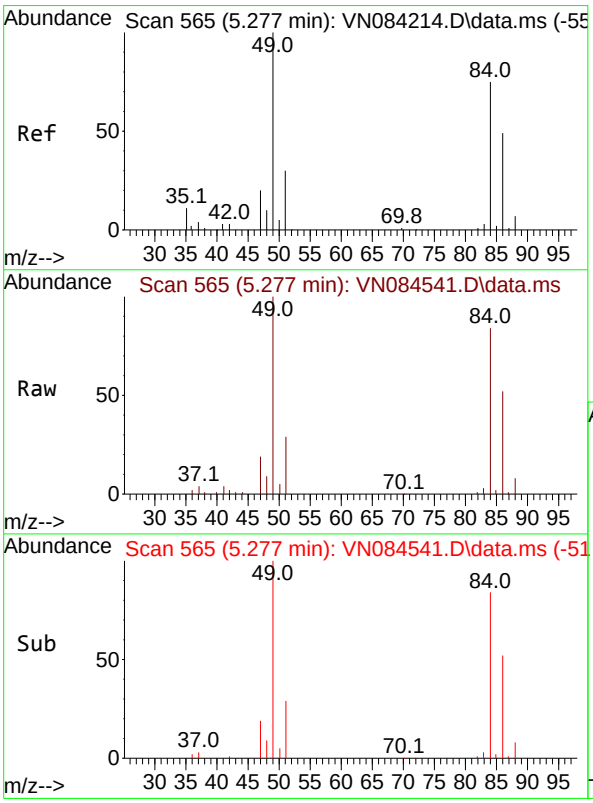
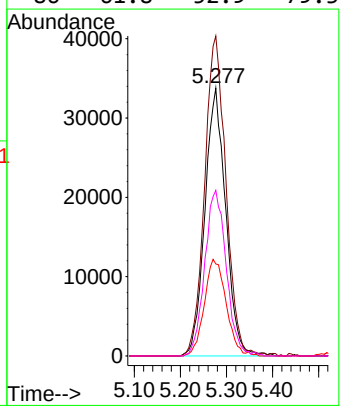


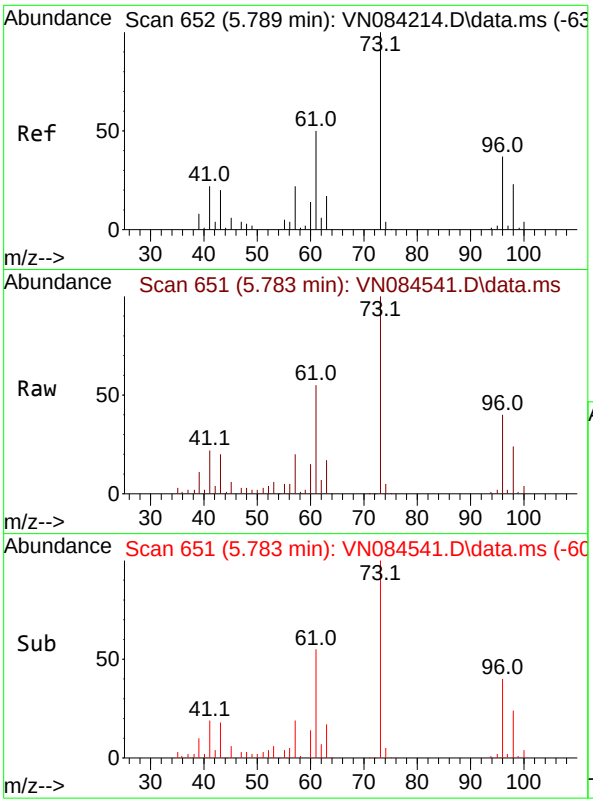


#20
Methylene Chloride
Concen: 53.170 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 84 Resp: 106388

Ion	Ratio	Lower	Upper
84	100		
49	119.4	107.2	160.8
51	34.4	31.8	47.8
86	61.8	52.9	79.3





#21
trans-1,2-Dichloroethene
Concen: 52.803 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 96 Resp: 9625

Ion	Ratio	Lower	Upper
96	100		
61	134.8	108.4	162.6
98	59.6	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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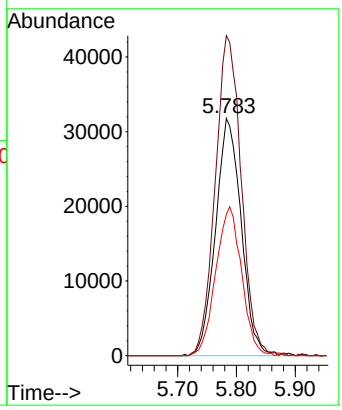
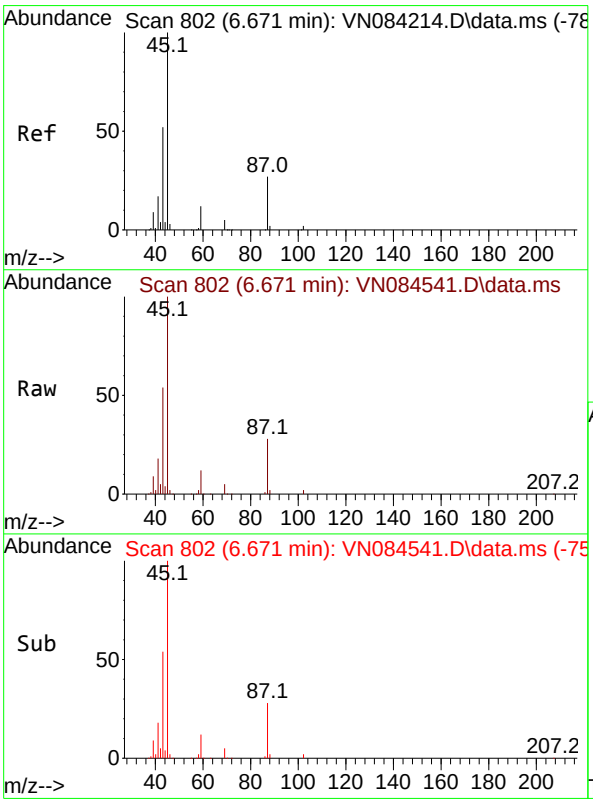
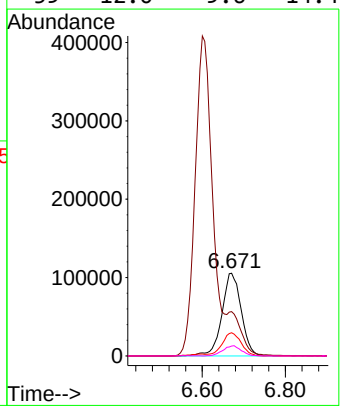


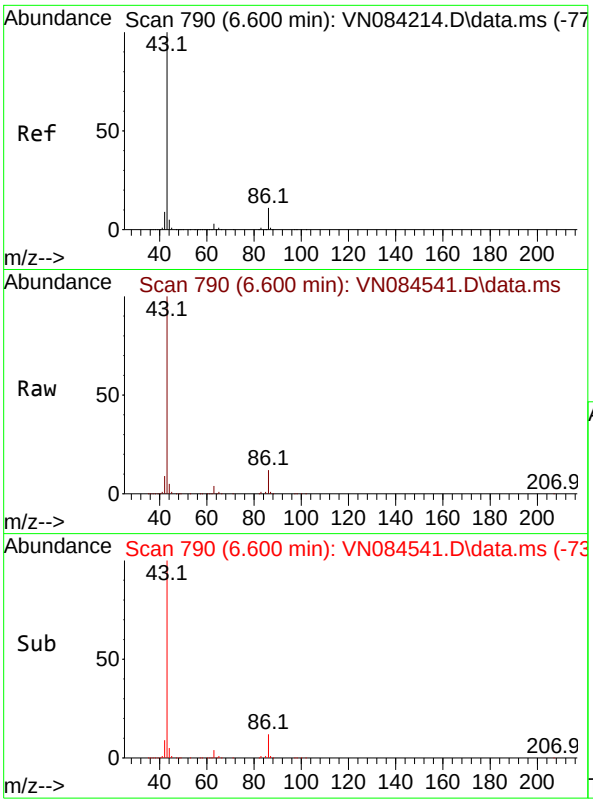


#22
Diisopropyl ether
Concen: 54.644 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 45 Resp: 341560

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	27.9	21.8	32.6
59	12.0	9.6	14.4





#23
Vinyl Acetate
Concen: 255.748 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 118567

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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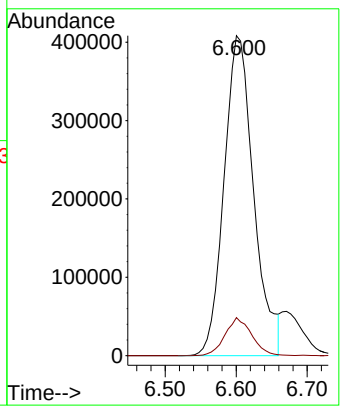
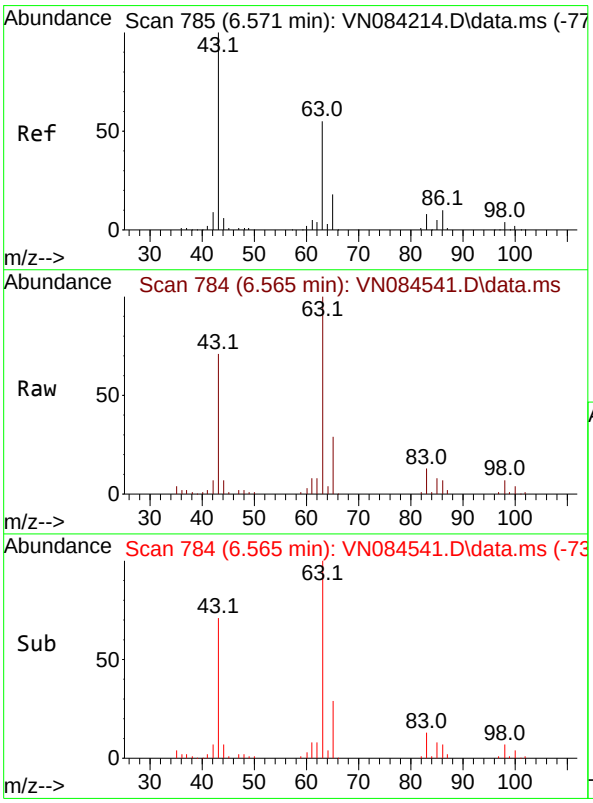
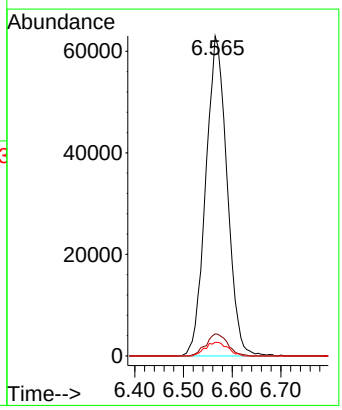


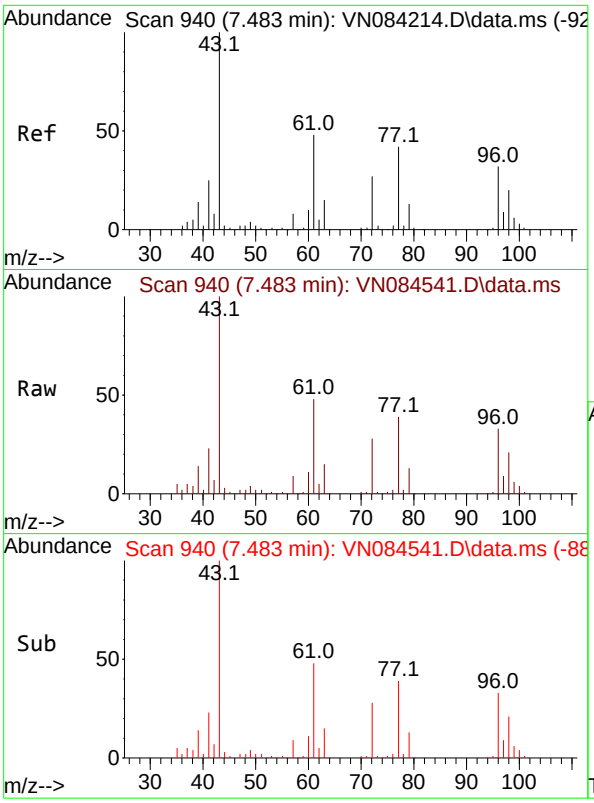


#24
1,1-Dichloroethane
Concen: 54.692 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 63 Resp: 191176

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	4.3	2.0	5.8

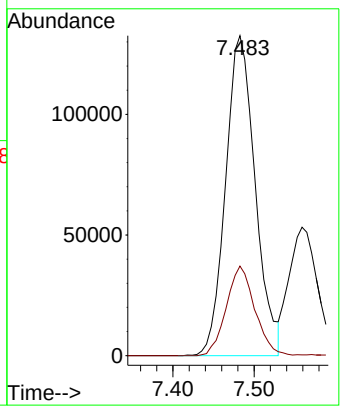




#25
2-Butanone
Concen: 251.386 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 337019

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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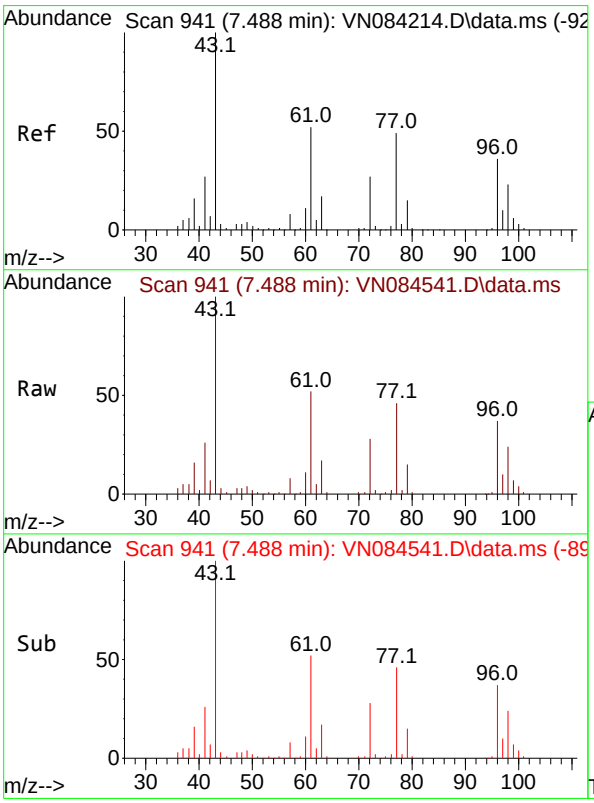
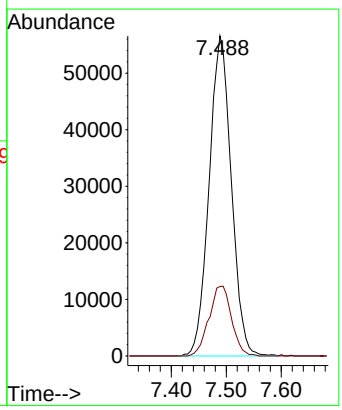
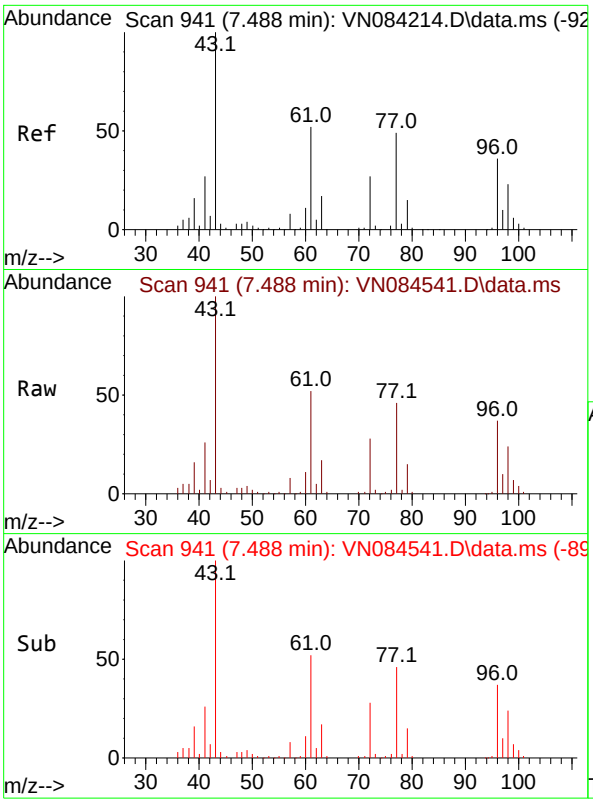


#26
2,2-Dichloropropane
Concen: 50.354 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 77 Resp: 158703

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

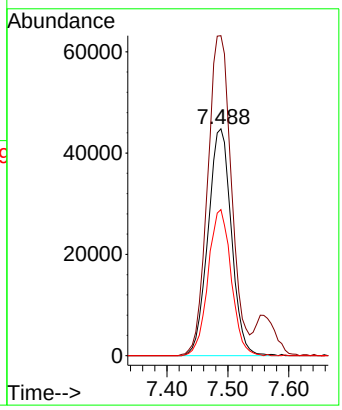




#27
cis-1,2-Dichloroethene
Concen: 54.165 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 96 Resp: 11931

Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.8
98	63.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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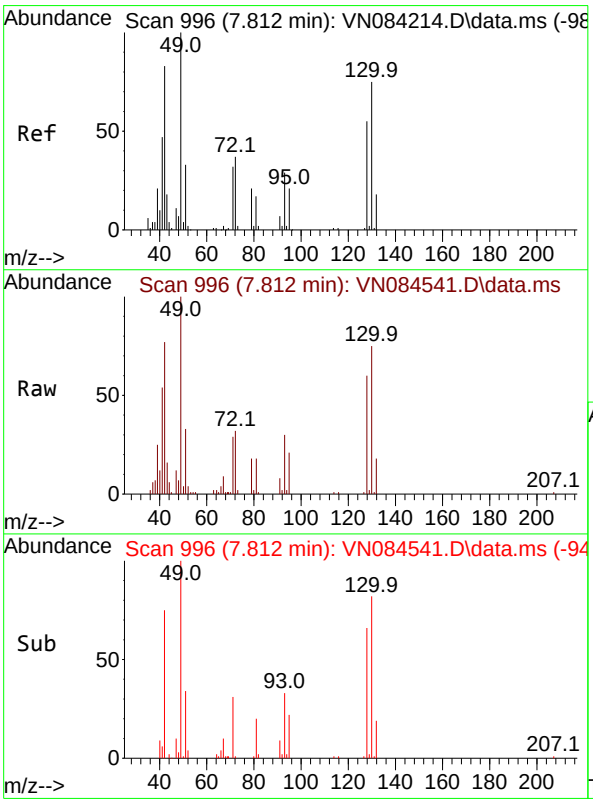
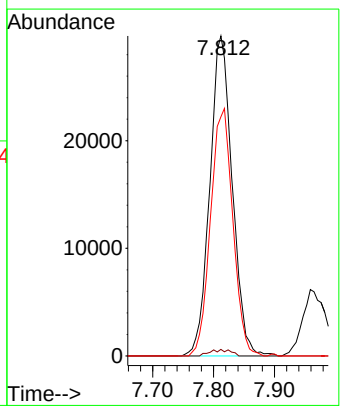
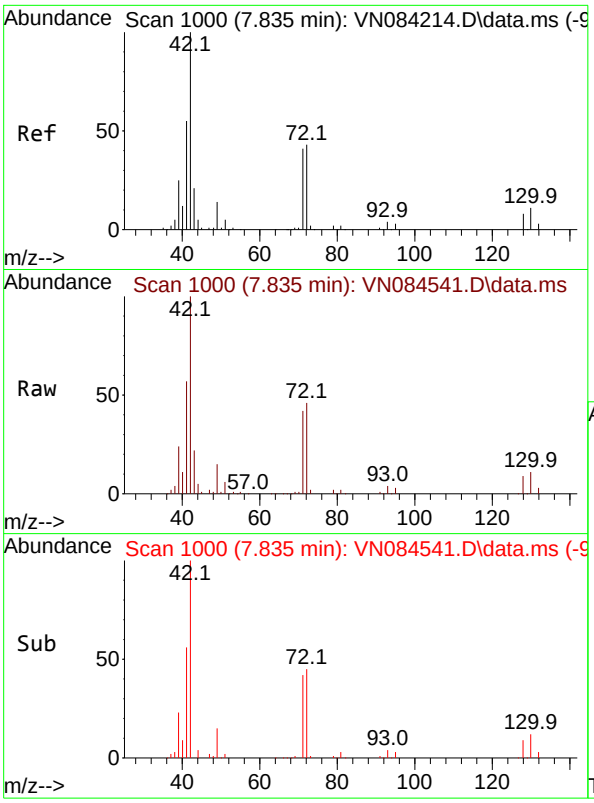


#28
Bromochloromethane
Concen: 48.901 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 49 Resp: 76267

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	76.7	58.0	87.0

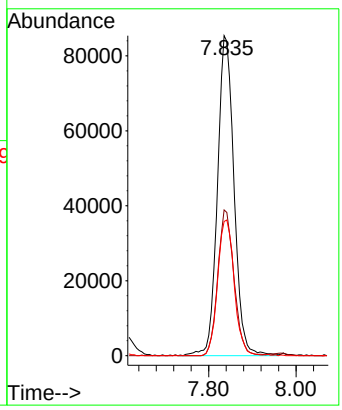




#29
Tetrahydrofuran
Concen: 271.173 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 42 Resp: 22435

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	42.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
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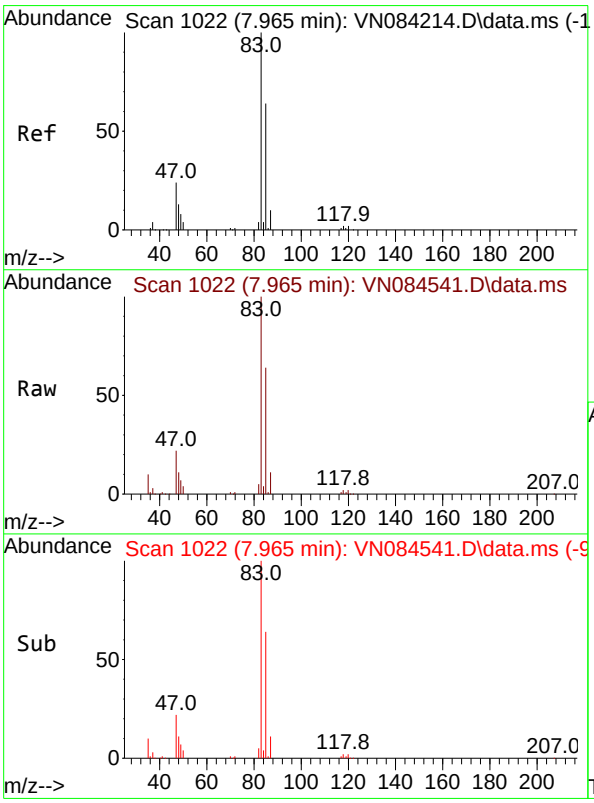
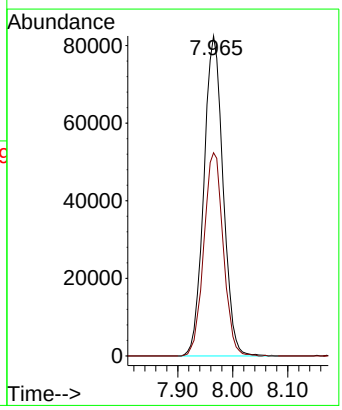
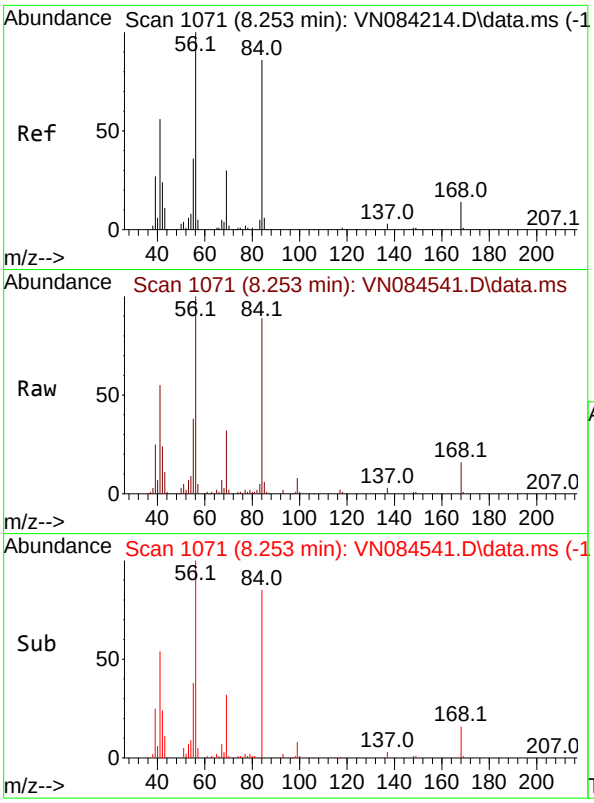


#30
Chloroform
Concen: 55.172 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 83 Resp: 200327

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4

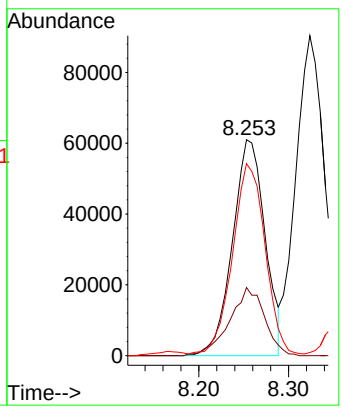




#31
Cyclohexane
Concen: 45.325 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 56 Resp: 15383

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.6
84	87.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
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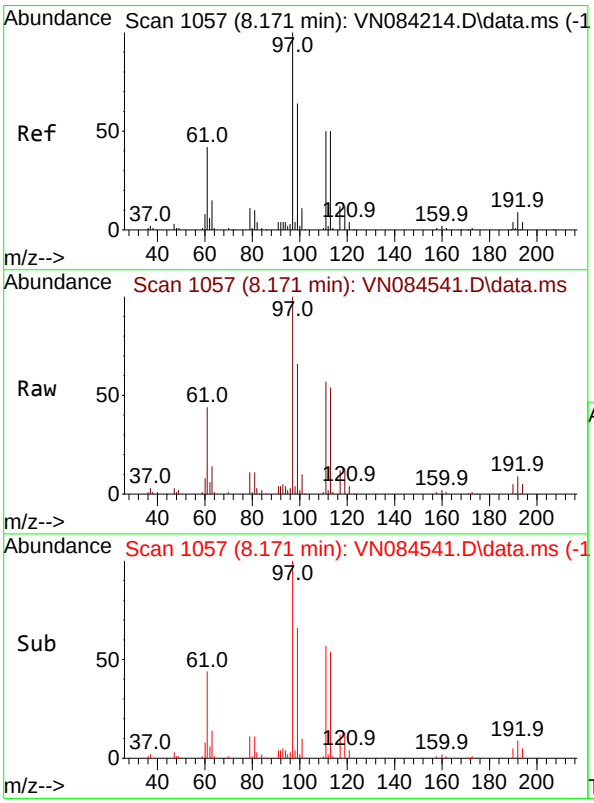
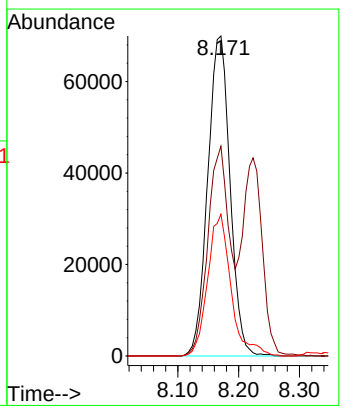
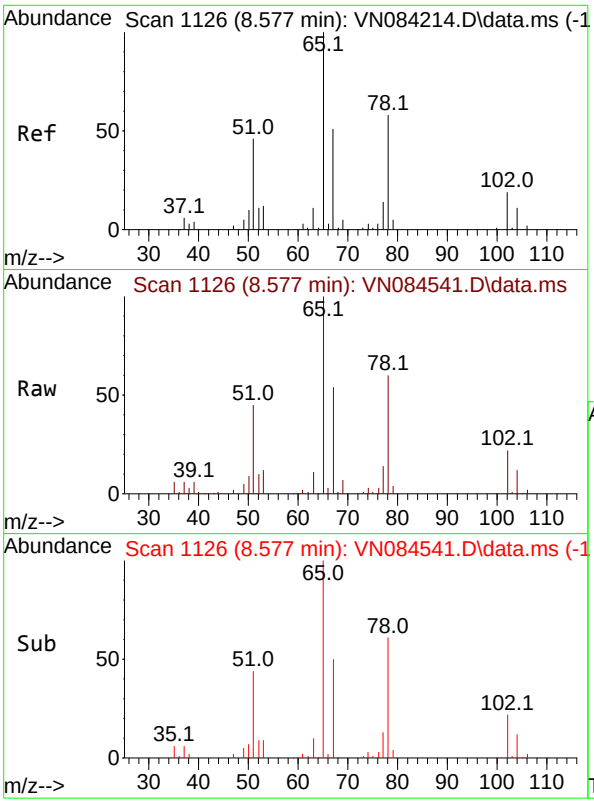


#32
1,1,1-Trichloroethane
Concen: 54.621 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 97 Resp: 178117

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	46.4	37.5	56.3

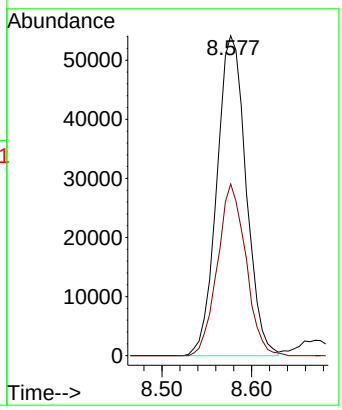




#33
1,2-Dichloroethane-d4
Concen: 53.377 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 65 Resp: 12230

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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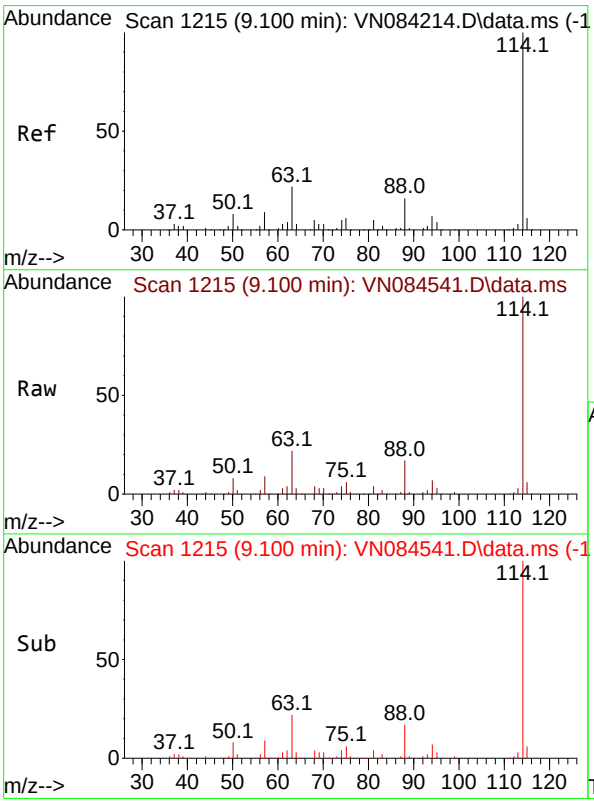
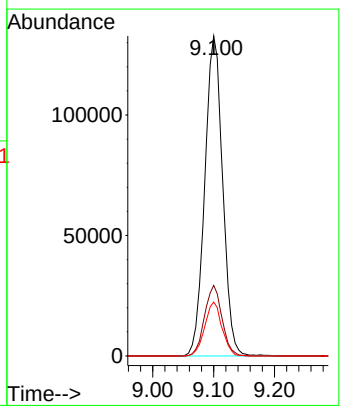
Supervised By :Semsettin Yesilyurt 10/29/2024

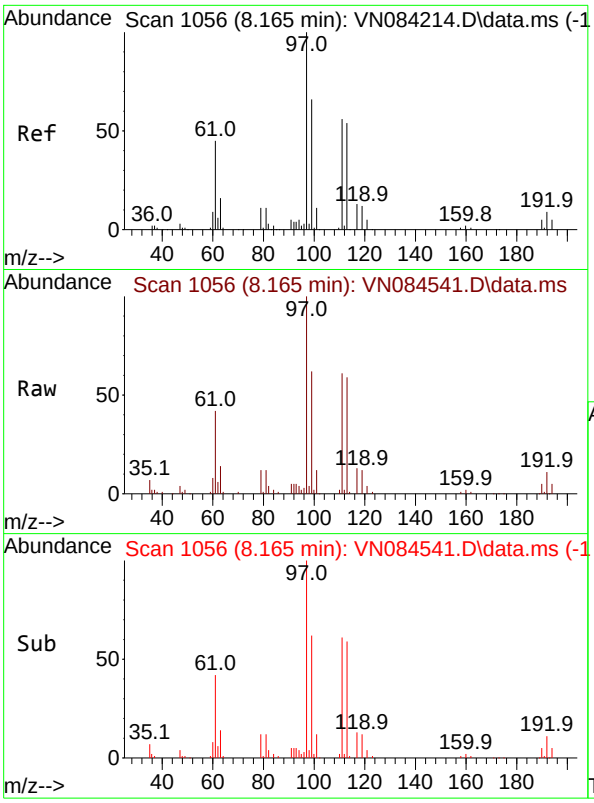


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:114 Resp: 270823

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.8	0.0	31.6

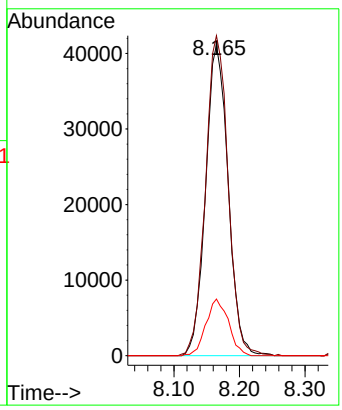




#35
Dibromofluoromethane
Concen: 54.989 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:113 Resp: 9817

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.3	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
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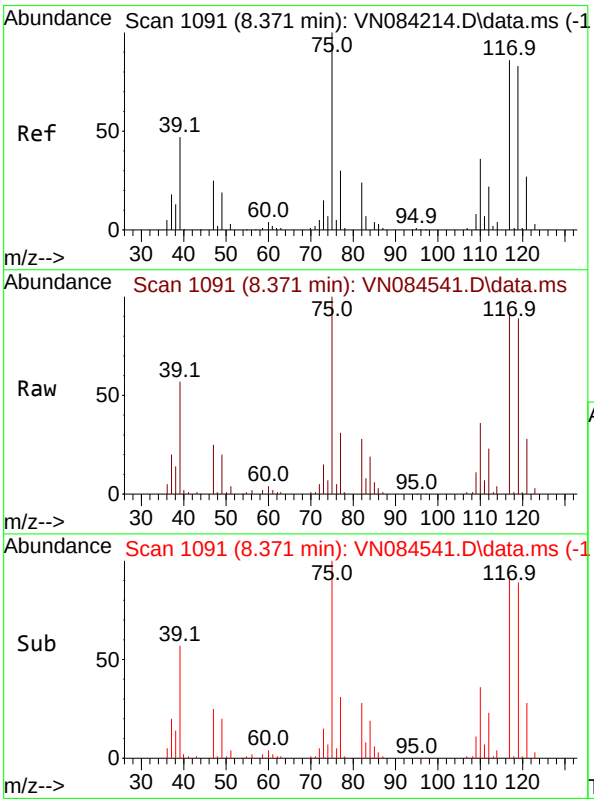
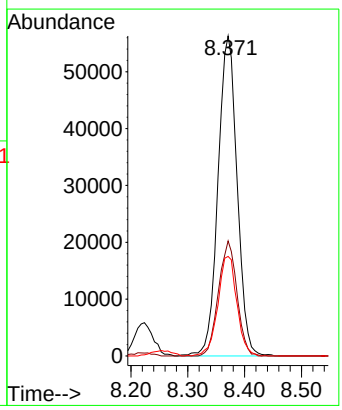
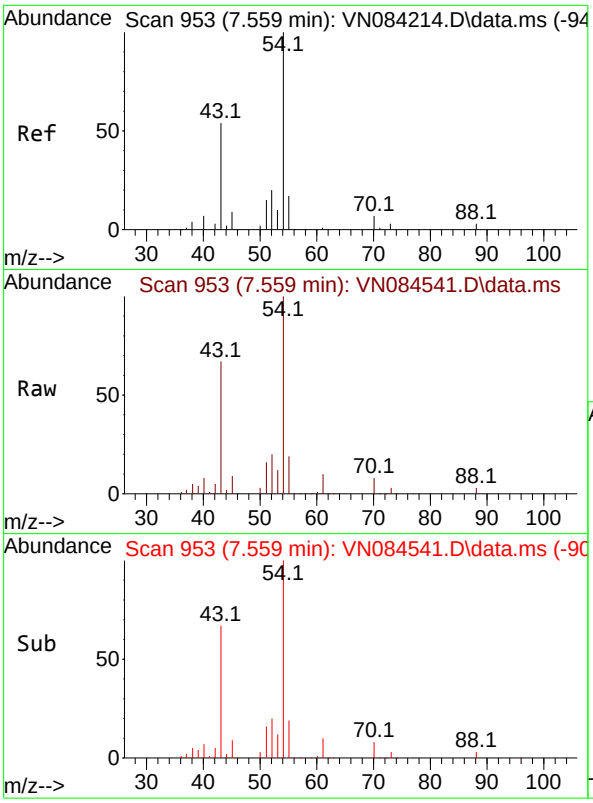


#36
1,1-Dichloropropene
Concen: 50.741 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 131591

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.7
77	31.0	24.7	37.1





#37
Ethyl Acetate
Concen: 50.985 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 13565

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.8	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
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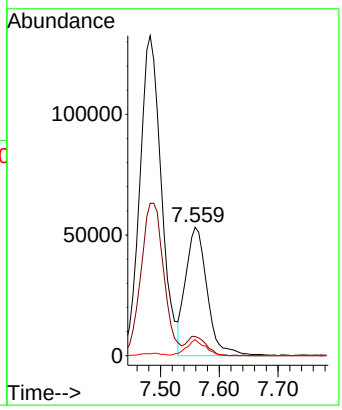
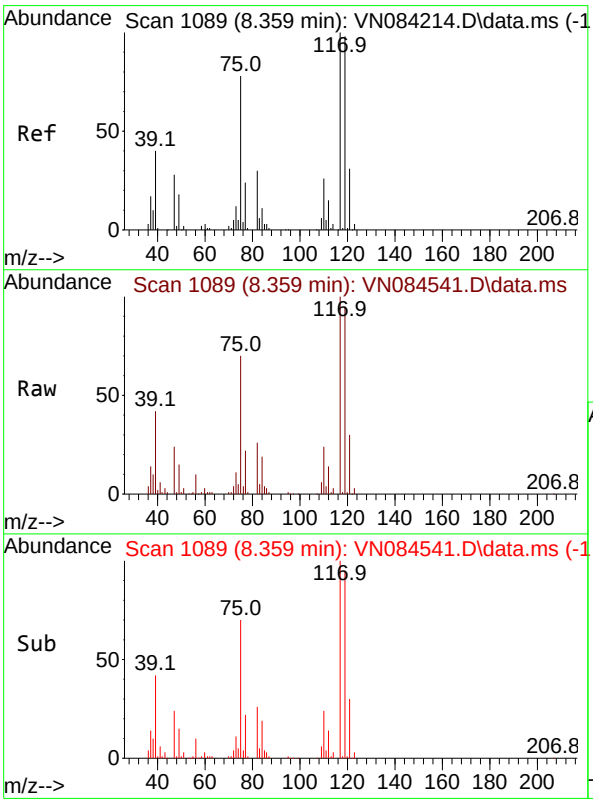
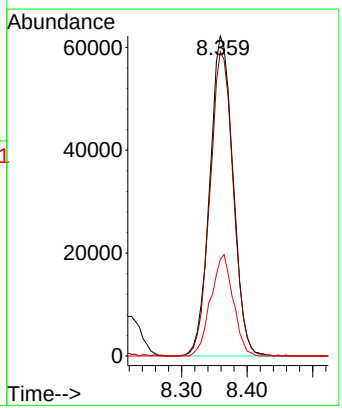


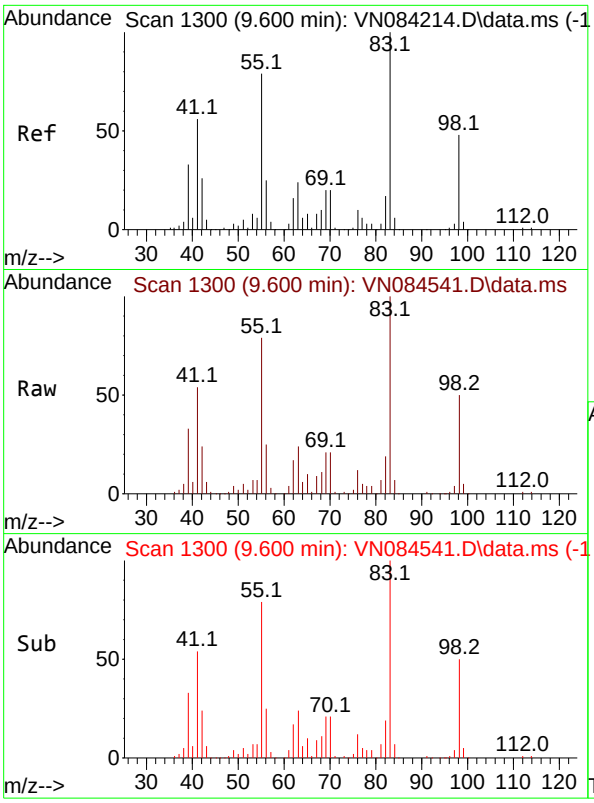


#38
Carbon Tetrachloride
Concen: 53.846 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:117 Resp: 153184

Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.7	118.1
121	30.2	24.4	36.6

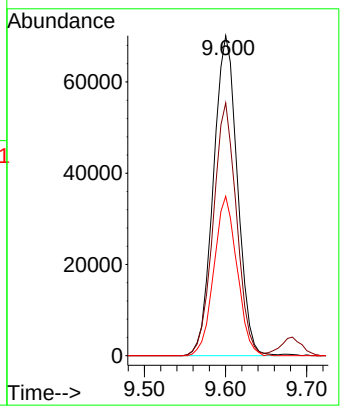




#39
Methylcyclohexane
Concen: 49.964 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 83 Resp: 14421

Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.8	94.2
98	49.8	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
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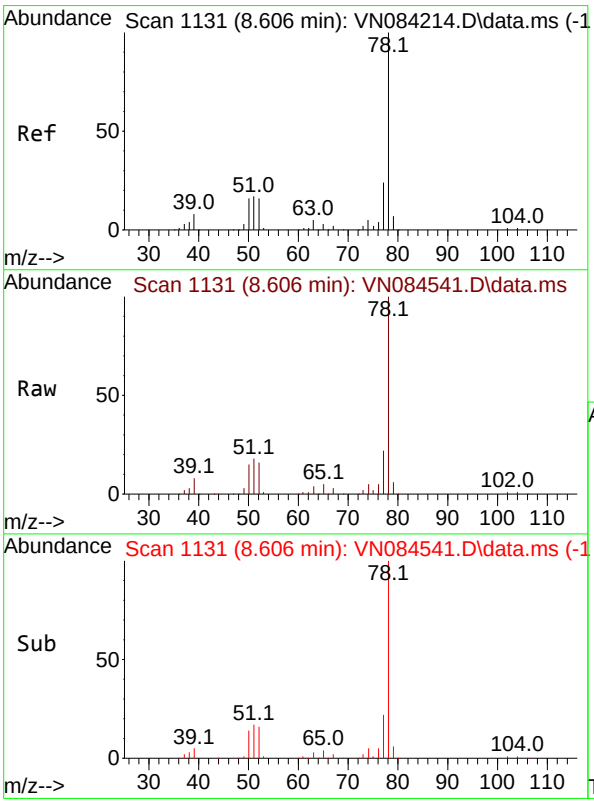
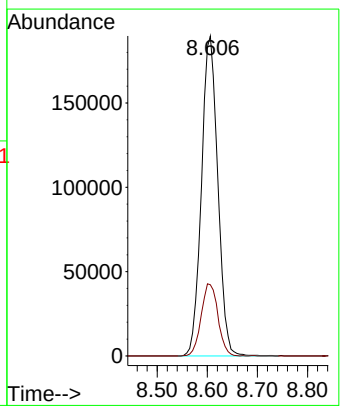
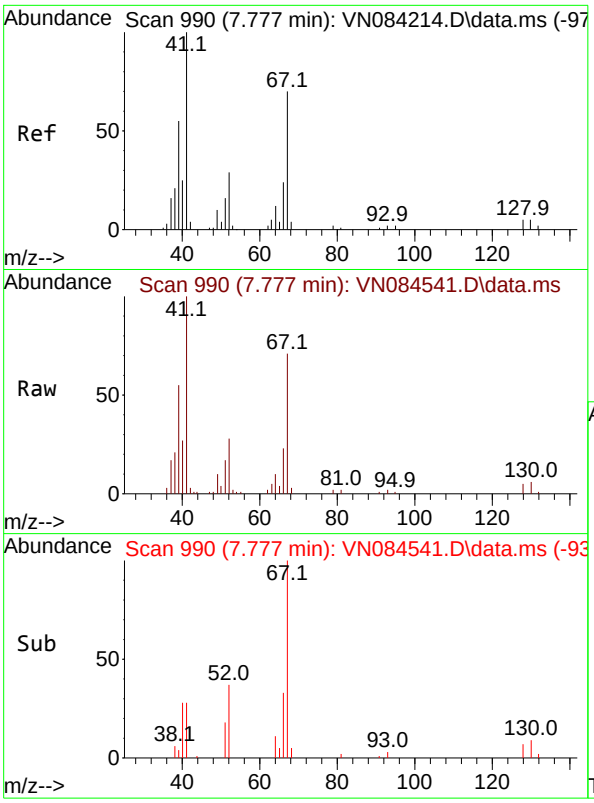


#40
Benzene
Concen: 53.157 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 78 Resp: 429517

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.1	28.7

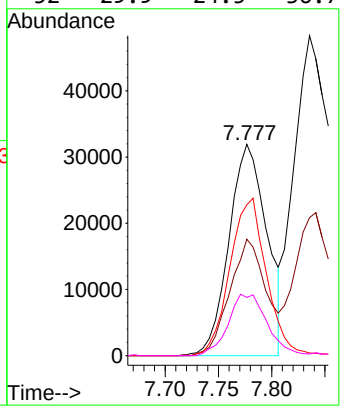




#41
Methacrylonitrile
Concen: 54.654 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 41 Resp: 7894

Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.3	64.9
67	72.4	56.1	84.1
52	29.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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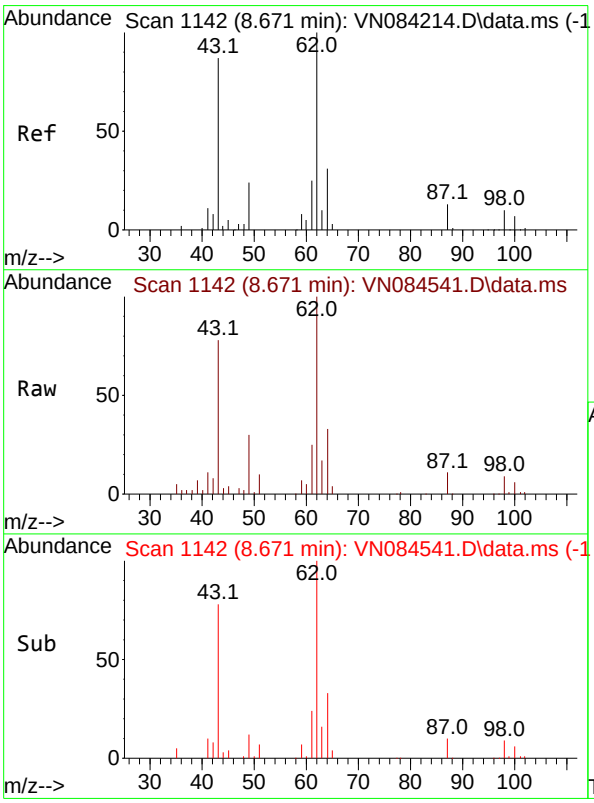
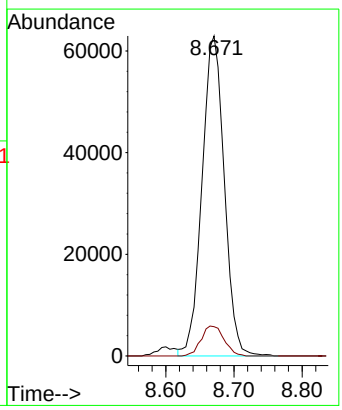
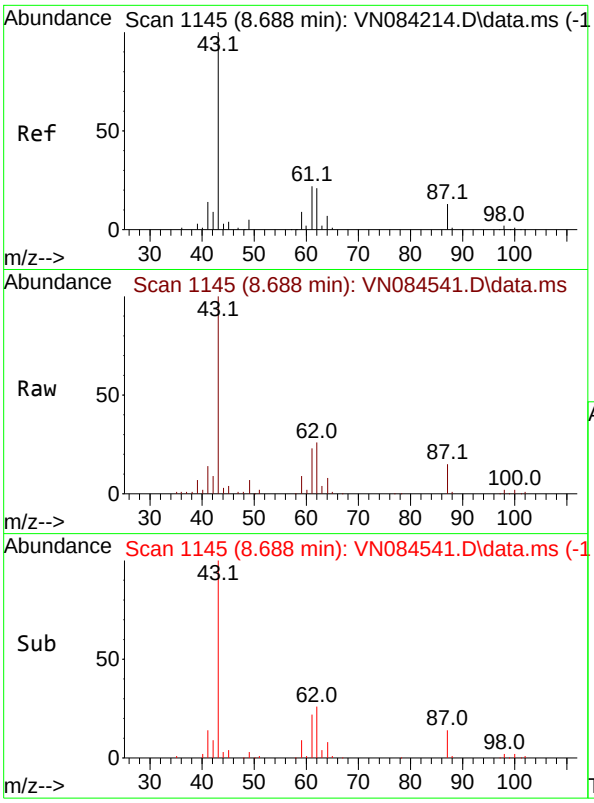


#42
1,2-Dichloroethane
Concen: 52.270 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2





#43
Isopropyl Acetate
Concen: 43.990 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 22924

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.4	30.6
87	13.9	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
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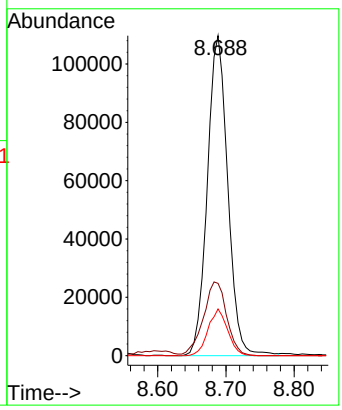
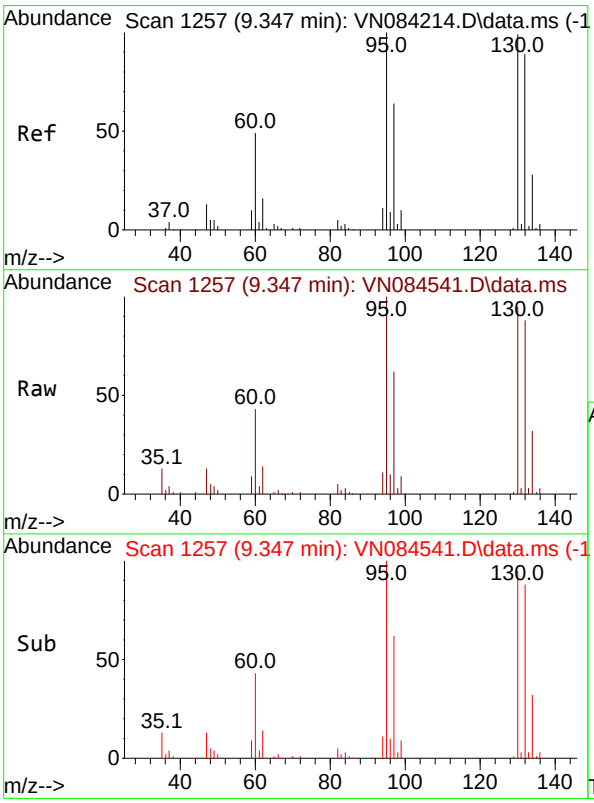
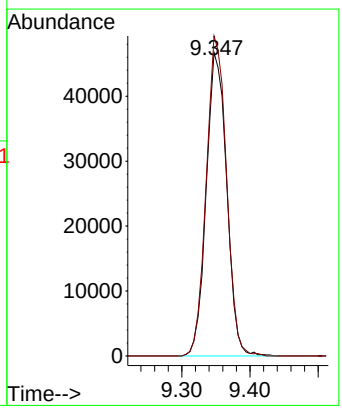


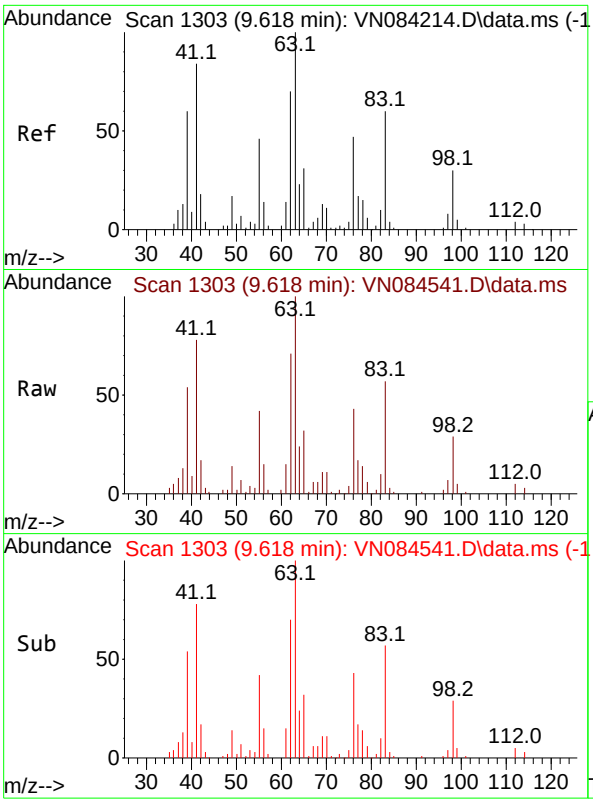


#44
Trichloroethene
Concen: 51.599 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:130 Resp: 97377

Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	203.0

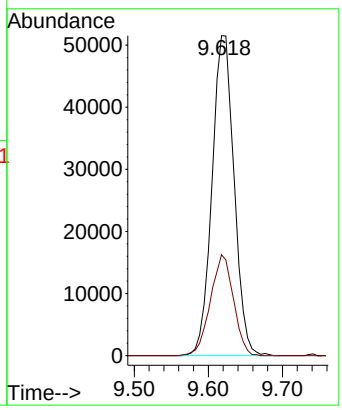




#45
1,2-Dichloropropane
Concen: 55.763 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 63 Resp: 10658

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
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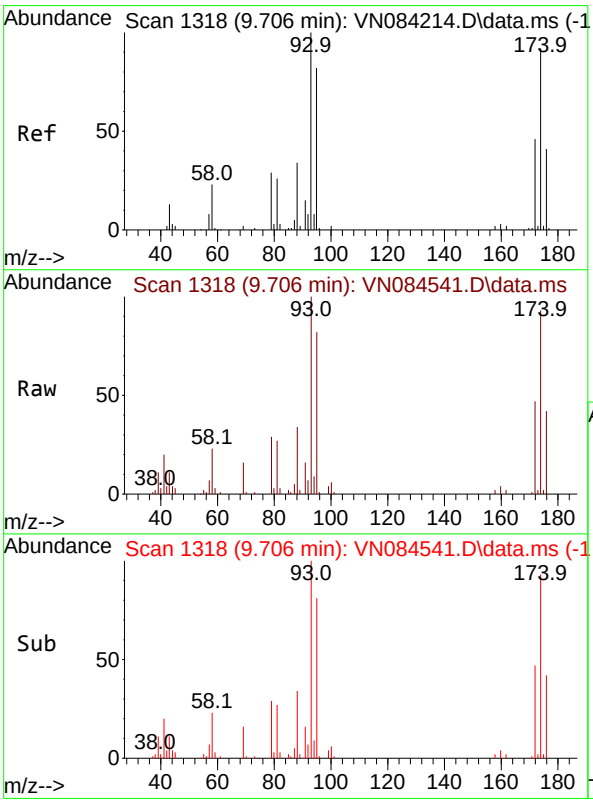
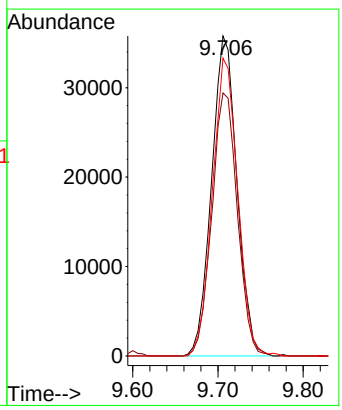
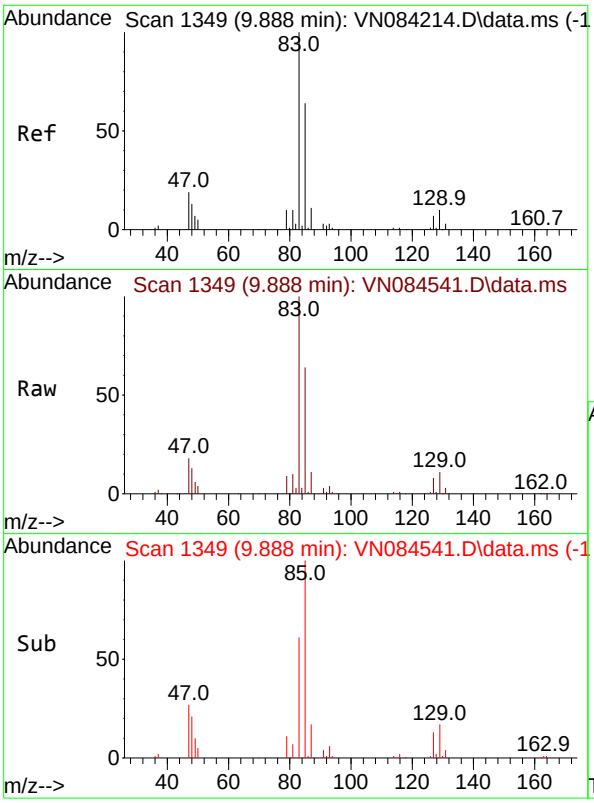


#46
Dibromomethane
Concen: 57.393 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 93 Resp: 74032

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.4
174	92.9	71.8	107.8

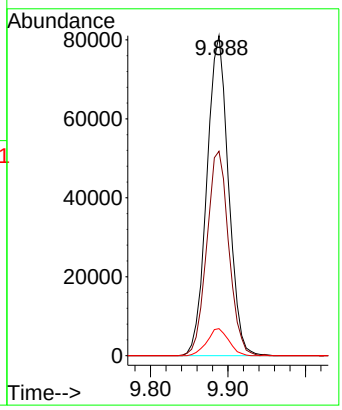




#47
Bromodichloromethane
Concen: 54.719 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 83 Resp: 15681

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	8.4	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
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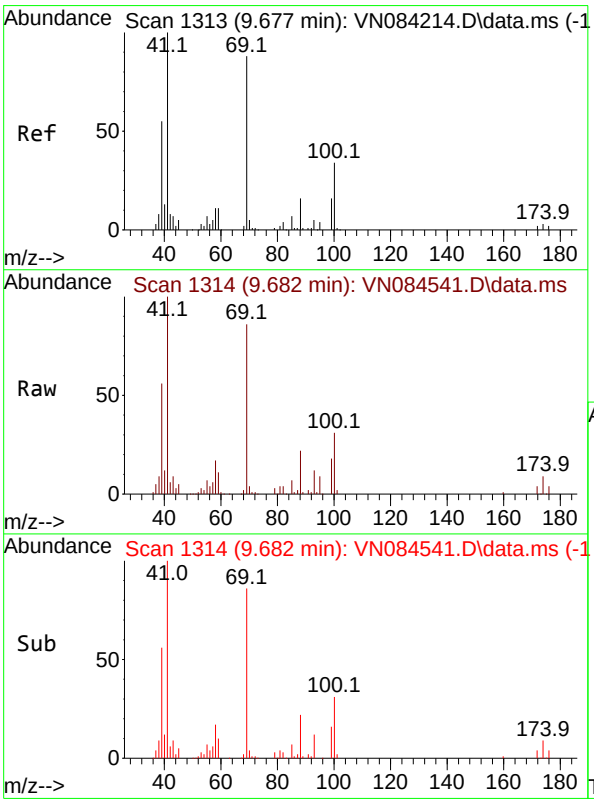
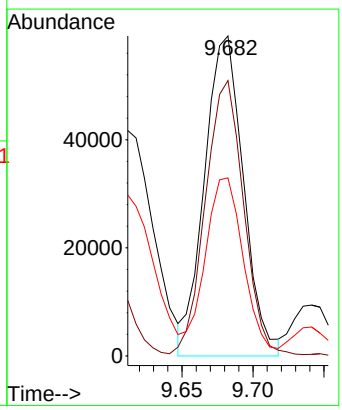
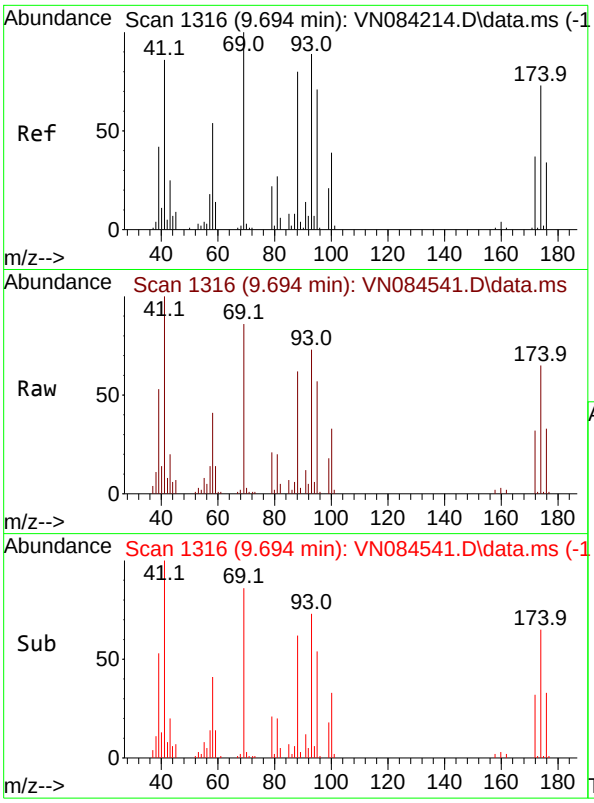


#48
Methyl methacrylate
Concen: 54.567 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 41 Resp: 113200

Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.1	100.7
39	55.5	45.8	68.6





#49
1,4-Dioxane
Concen: 975.420 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 88 Resp: 3725

Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.3	37.9
58	75.4	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
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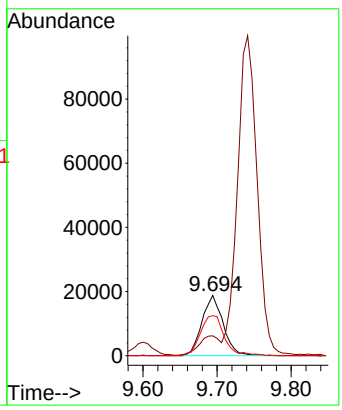
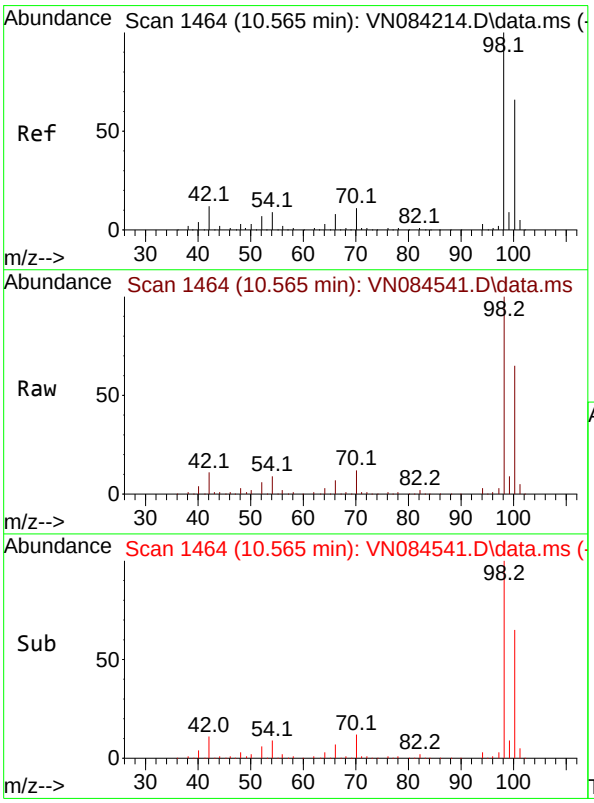
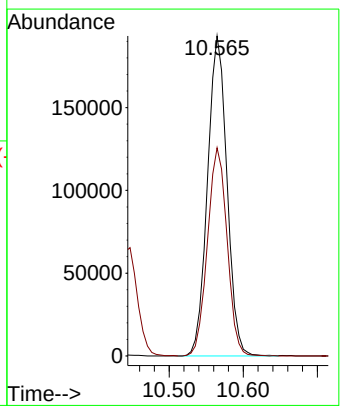


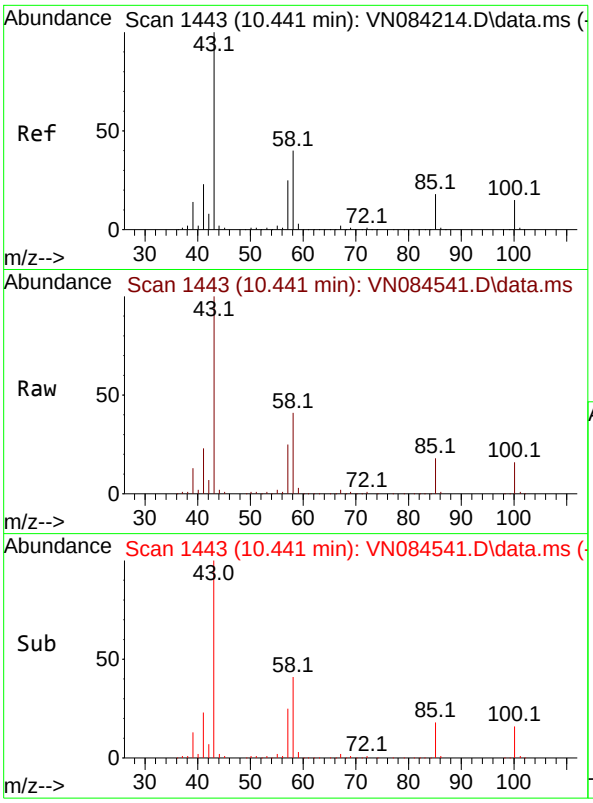


#50
Toluene-d8
Concen: 53.605 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 98 Resp: 352123

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 278.946 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 70651

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
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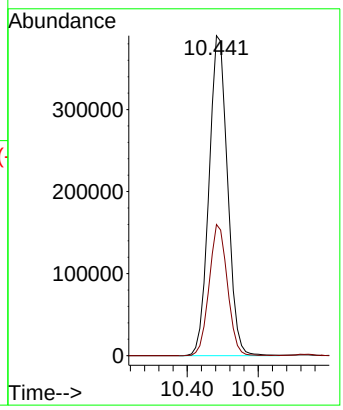
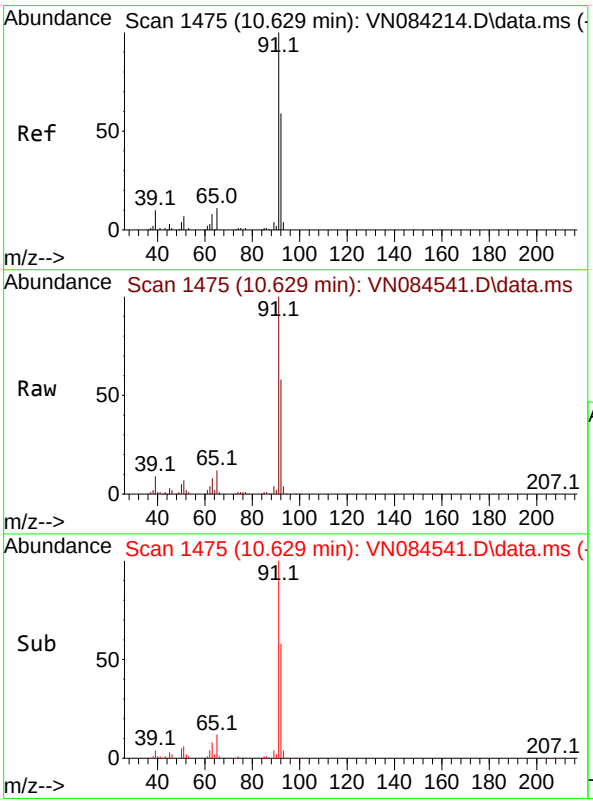
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

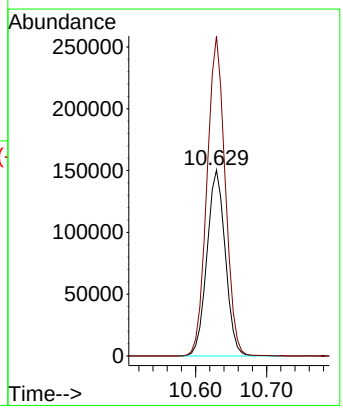


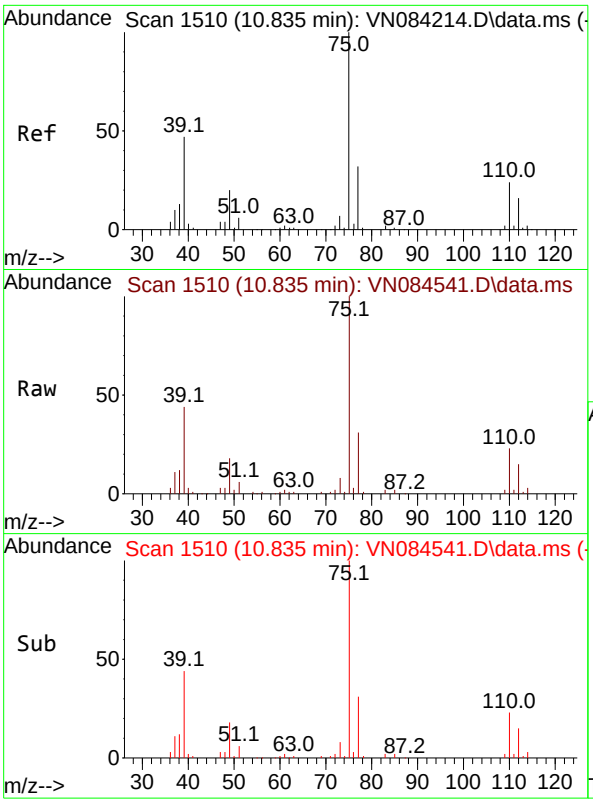


#52
Toluene
Concen: 54.709 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 92 Resp: 269566

Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.3	205.9

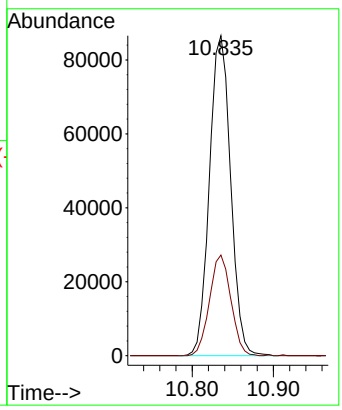




#53
t-1,3-Dichloropropene
Concen: 53.835 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 15726

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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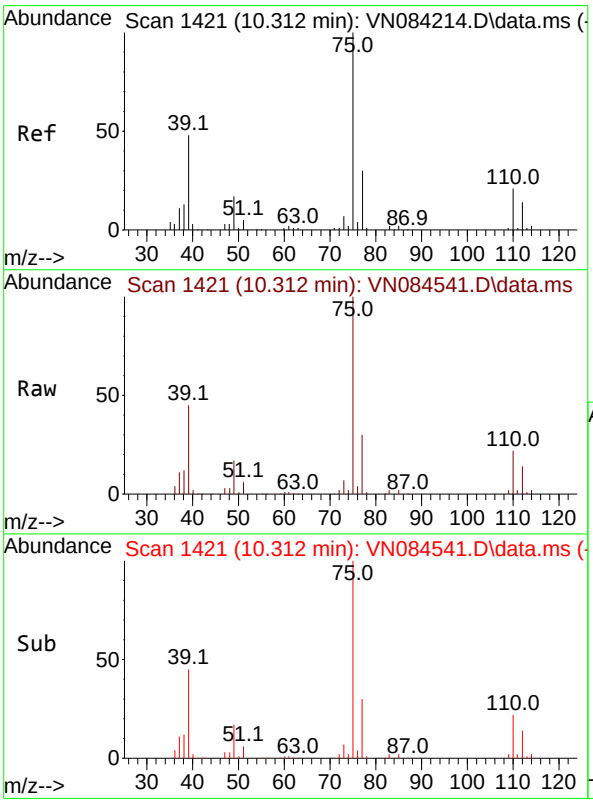
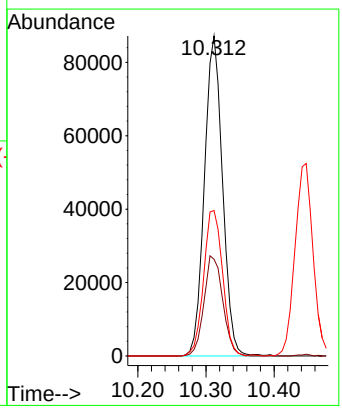
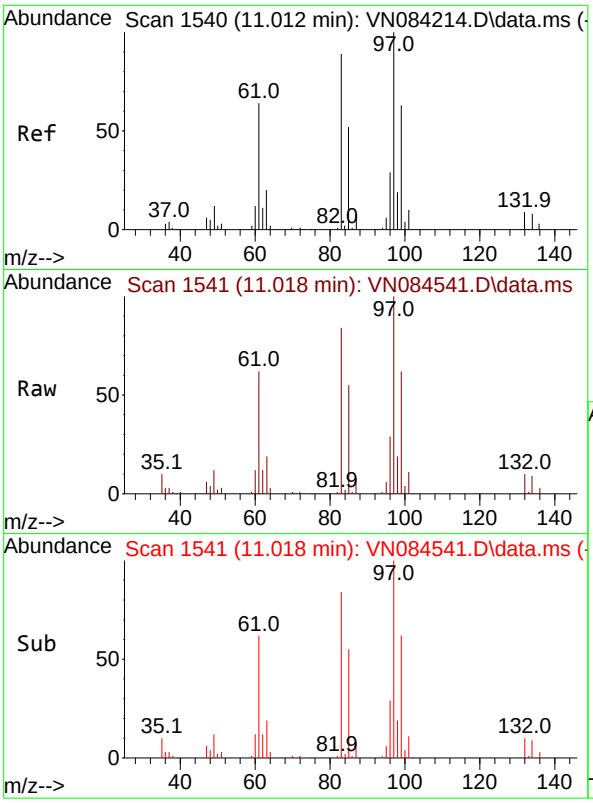


#54
cis-1,3-Dichloropropene
Concen: 51.335 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 161305

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2
39	45.4	38.7	58.1

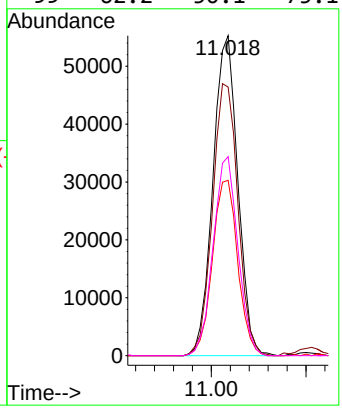




#55
1,1,2-Trichloroethane
Concen: 57.093 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 97 Resp: 10084

Ion	Ratio	Lower	Upper
97	100		
83	84.0	71.0	106.4
85	54.8	41.7	62.5
99	62.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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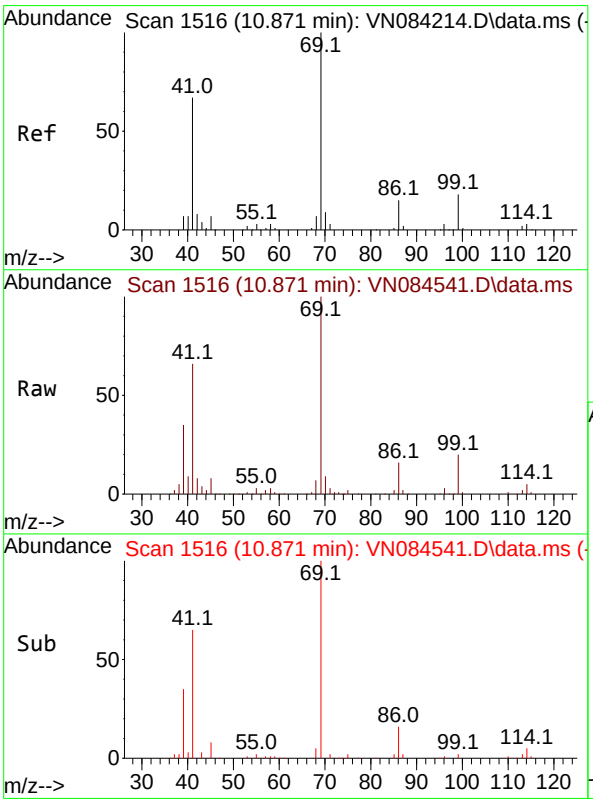
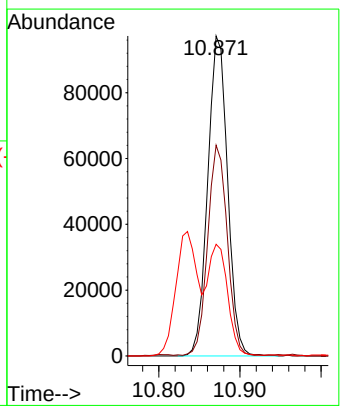
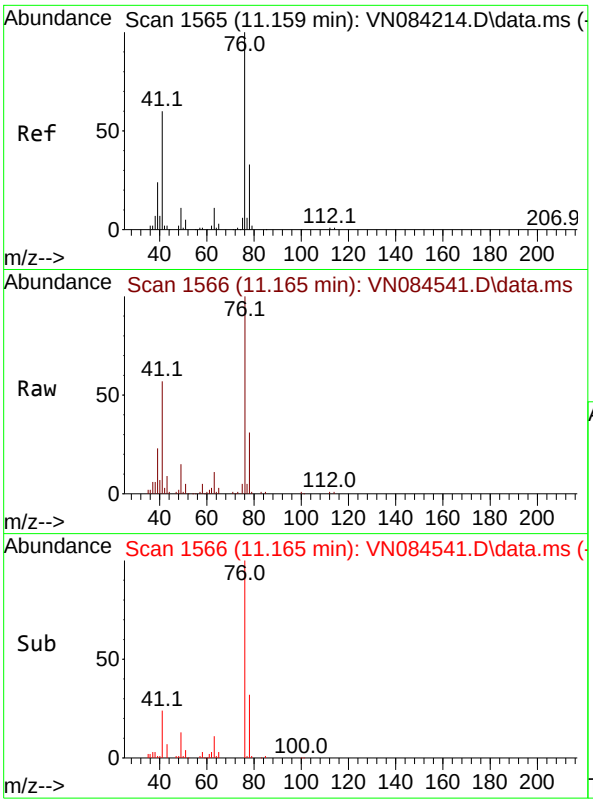


#56
Ethyl methacrylate
Concen: 56.761 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 69 Resp: 164976

Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.3	79.9
39	34.6	28.8	43.2





#57
1,3-Dichloropropane
Concen: 54.852 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 76 Resp: 17313

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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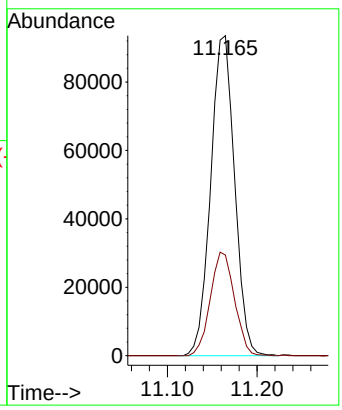
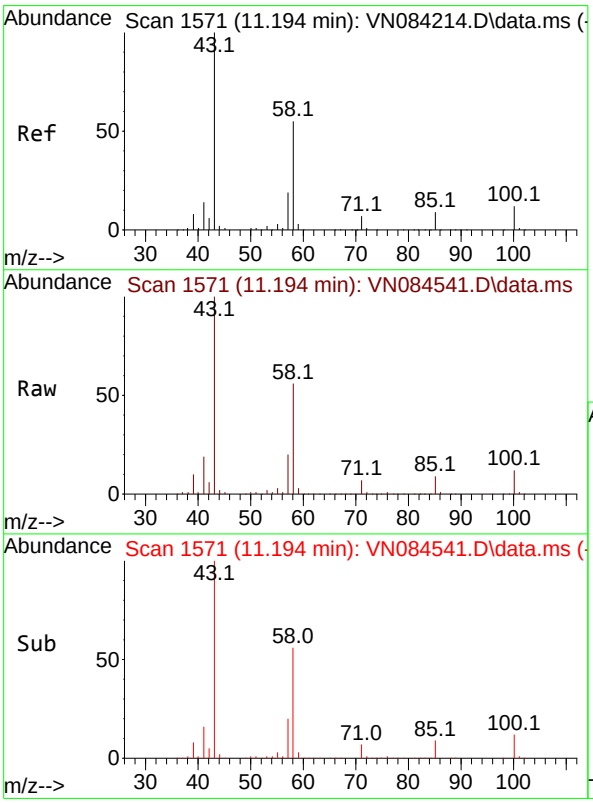
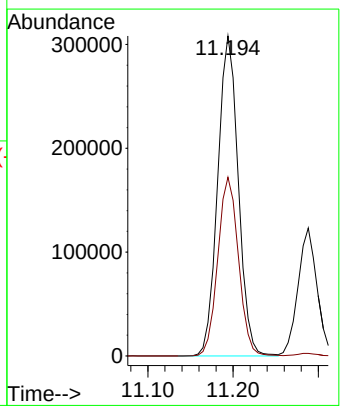


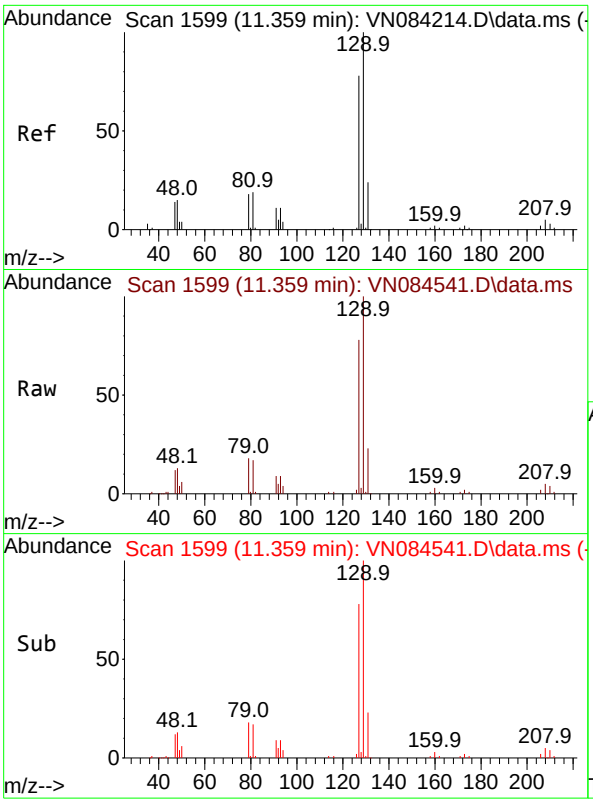


#59
2-Hexanone
Concen: 273.701 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 518127

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8





#60
Dibromochloromethane
Concen: 57.772 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:129 Resp: 12057

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.3	114.9

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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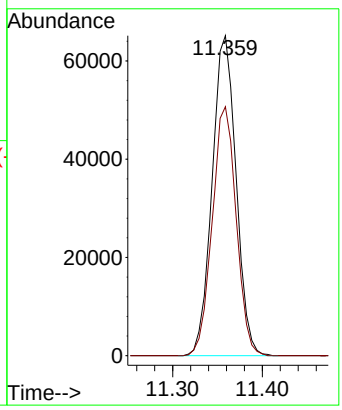
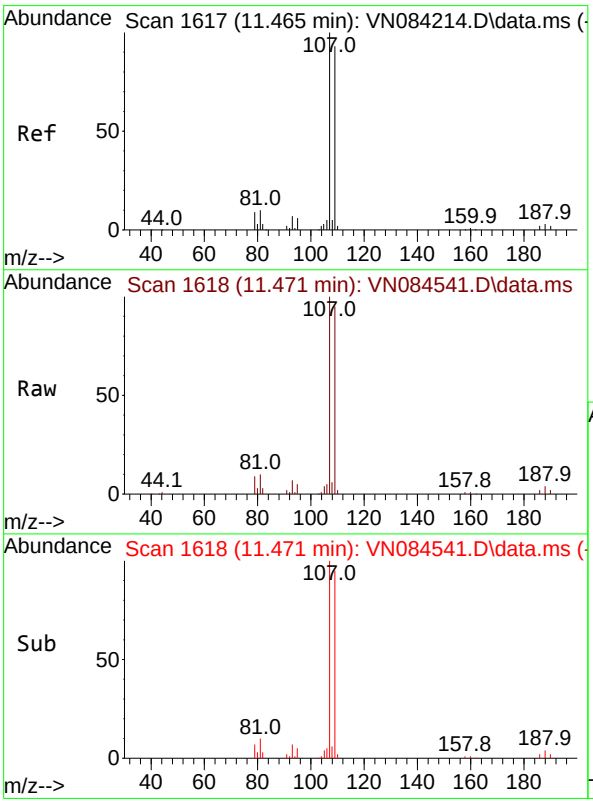
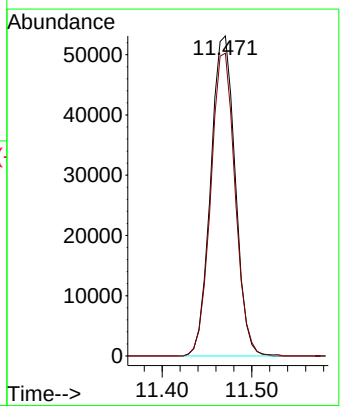


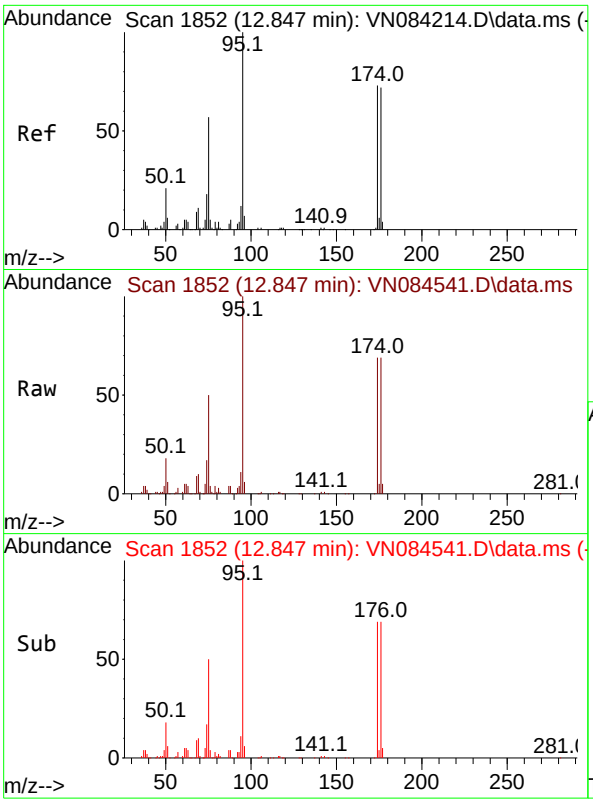


#61
1,2-Dibromoethane
Concen: 54.769 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:107 Resp: 100524

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

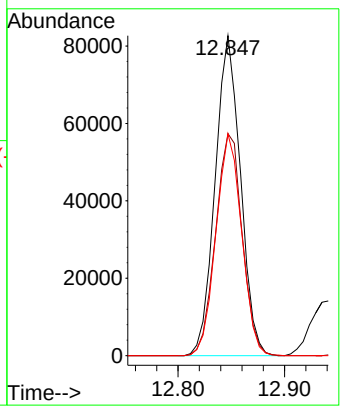




#62
4-Bromofluorobenzene
Concen: 56.994 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 95 Resp: 13639

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.3	0.0	140.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
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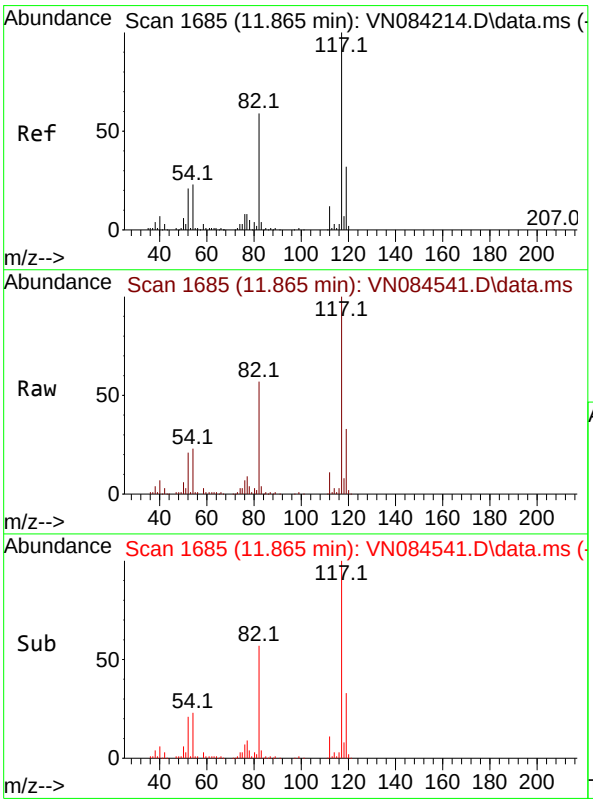
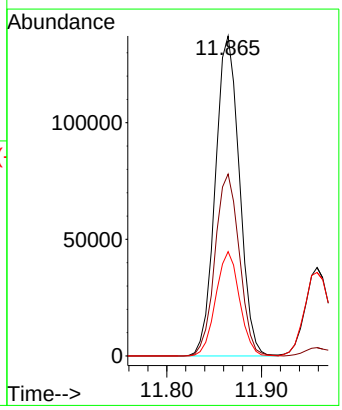
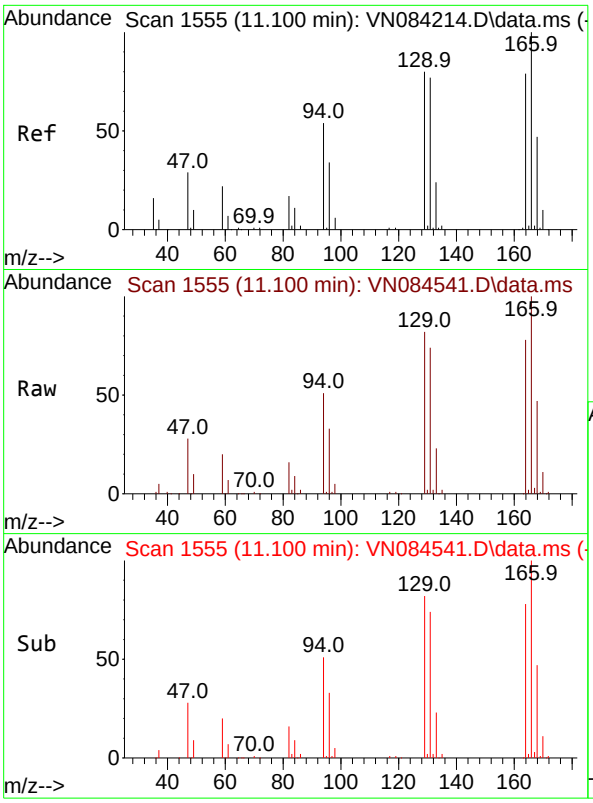


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:117 Resp: 242254

Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.2	70.8
119	32.6	25.4	38.0

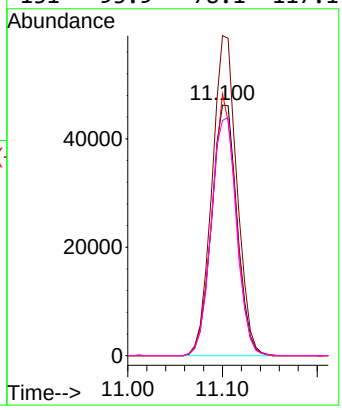




#64
Tetrachloroethene
Concen: 51.220 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:164 Resp: 8642

Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.0	151.4
129	104.5	80.8	121.2
131	93.9	78.1	117.1



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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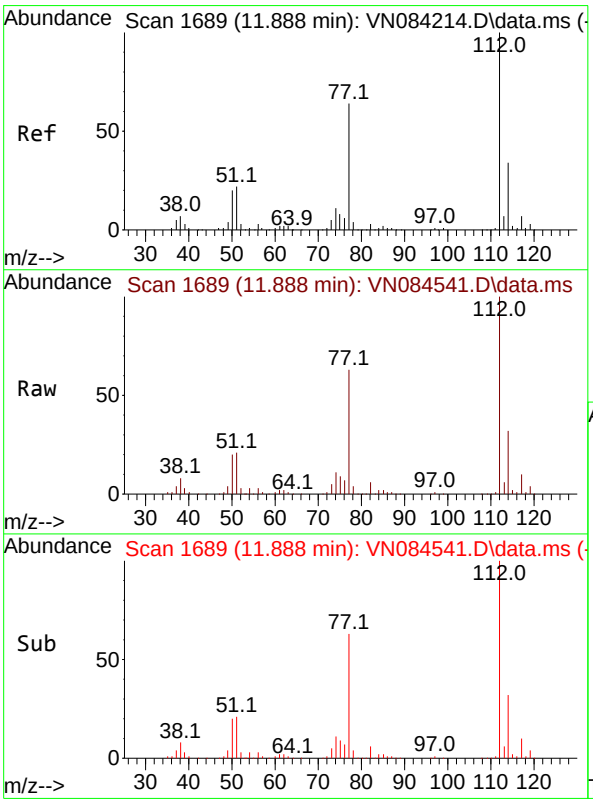
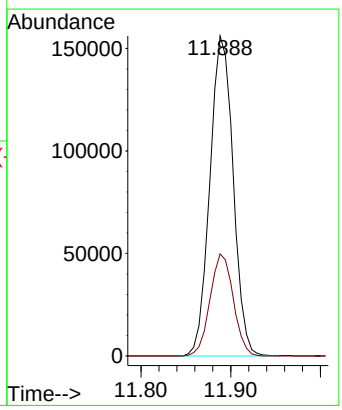
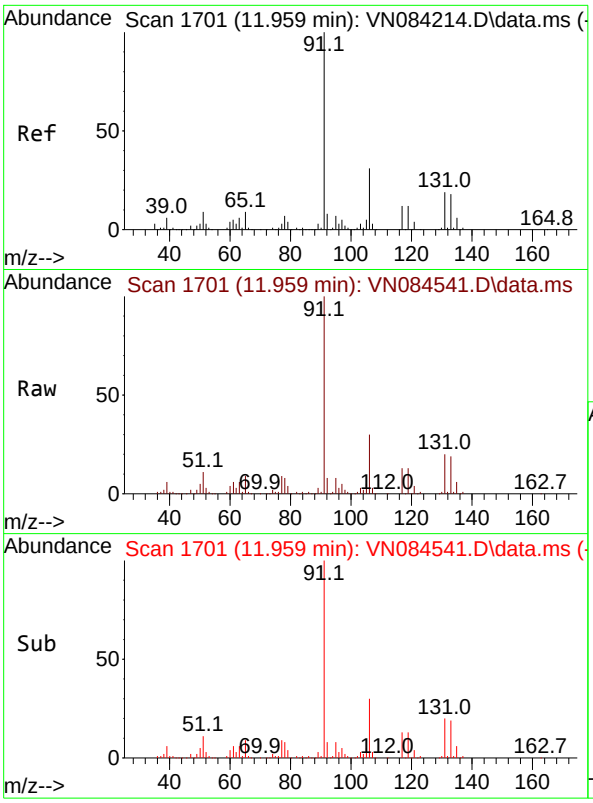


#65
Chlorobenzene
Concen: 52.326 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:112 Resp: 281063

Ion	Ratio	Lower	Upper
112	100		
114	31.9	27.0	40.6

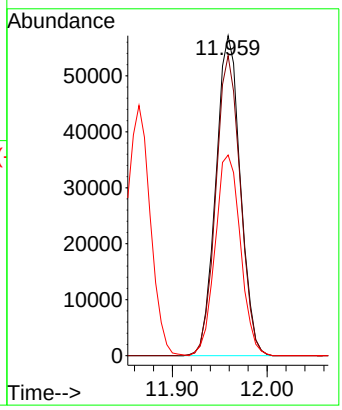




#66
1,1,1,2-Tetrachloroethane
Concen: 55.570 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:131 Resp: 10281

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.9	143.7
119	65.0	32.8	98.3



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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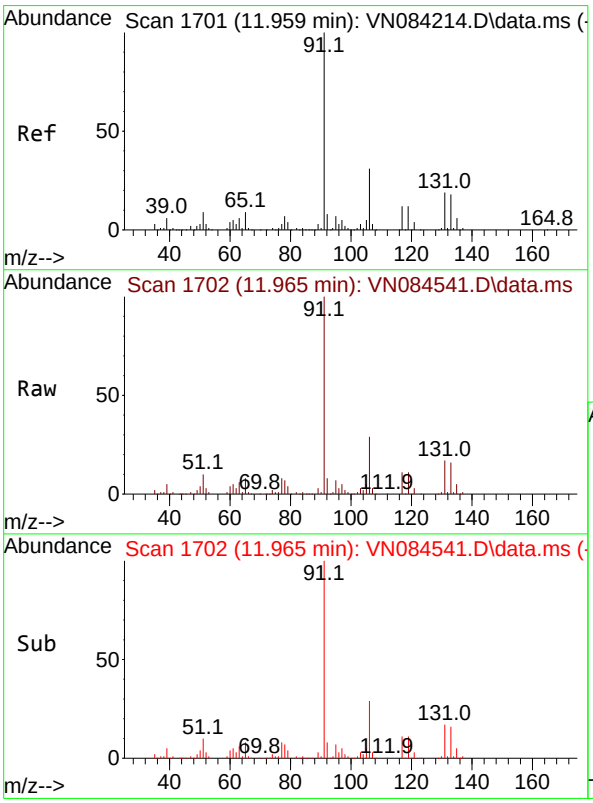
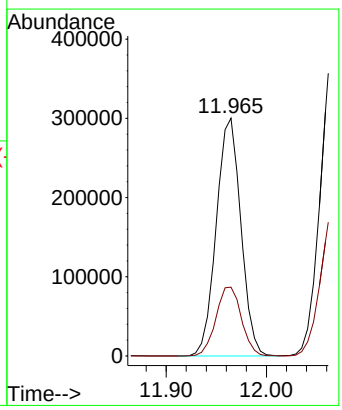
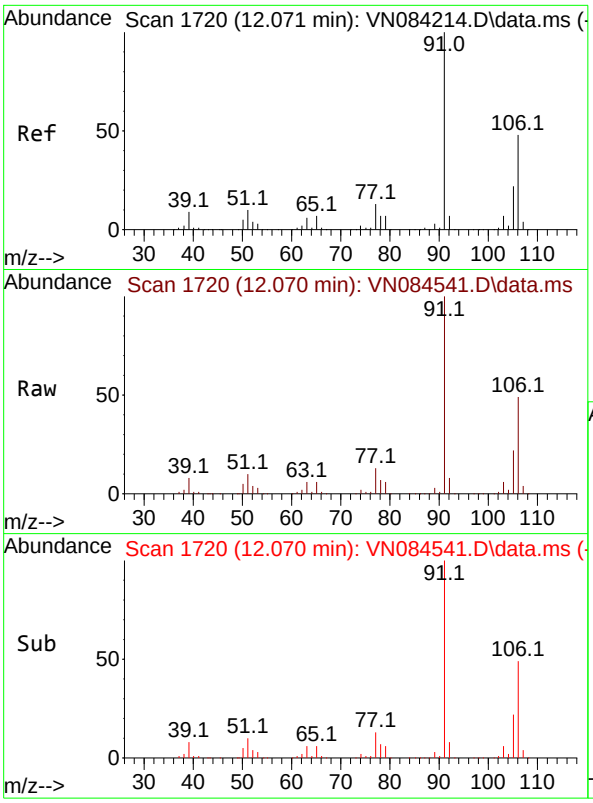


#67
Ethyl Benzene
Concen: 53.801 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 511064

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.5	36.7

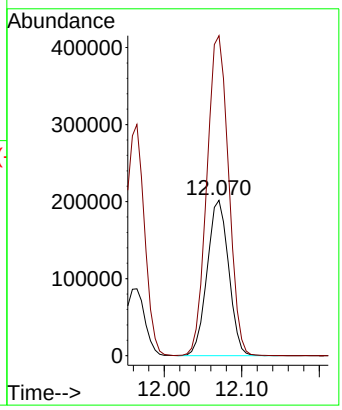




#68
m/p-Xylenes
Concen: 110.663 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:106 Resp: 38884

Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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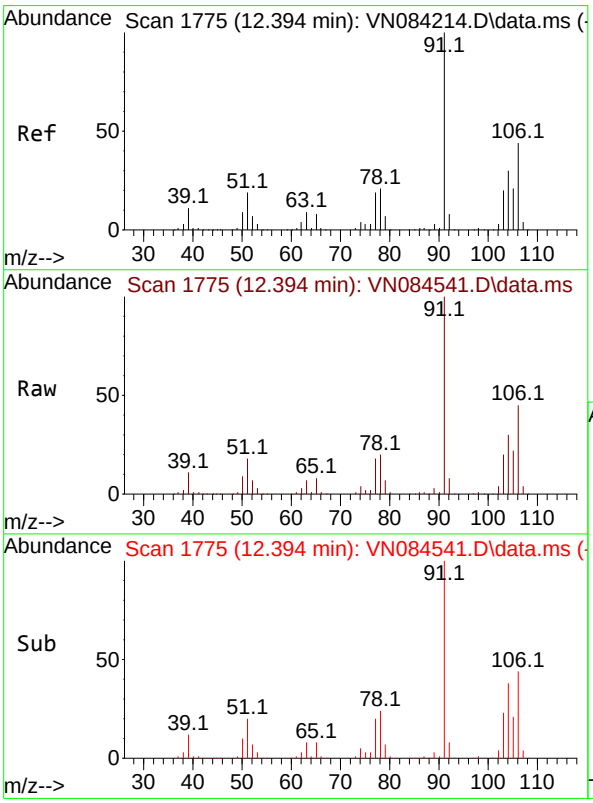
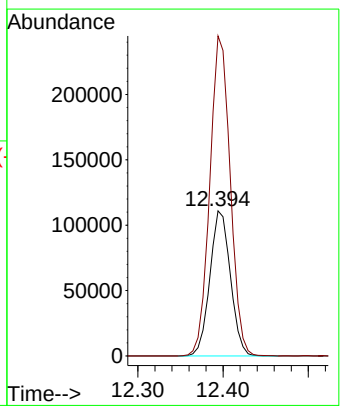
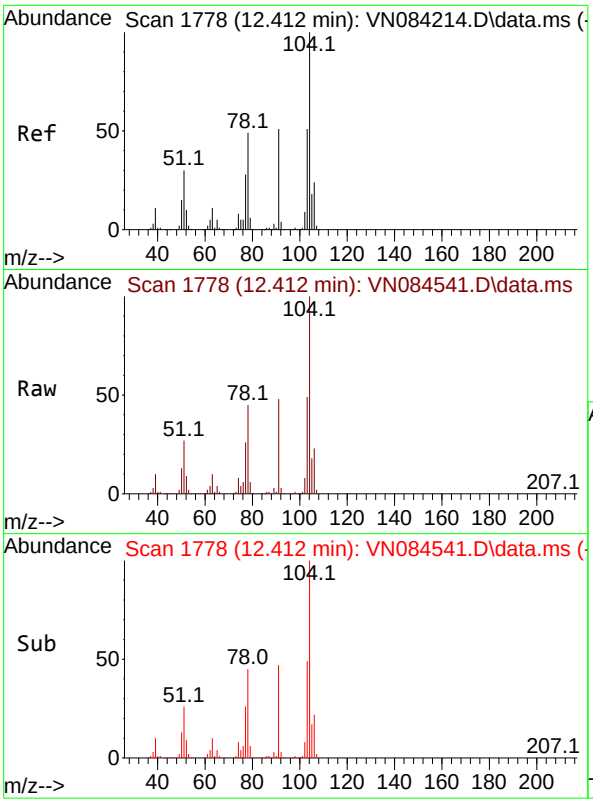


#69
o-Xylene
Concen: 55.956 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:106 Resp: 186023

Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.2	330.6





#70
Styrene
Concen: 58.066 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:104 Resp: 32697

Ion	Ratio	Lower	Upper
104	100		
78	50.2	42.7	64.1
103	53.9	43.6	65.4

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
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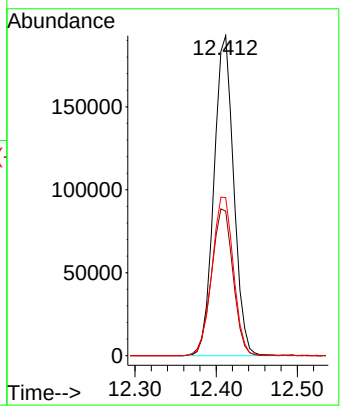
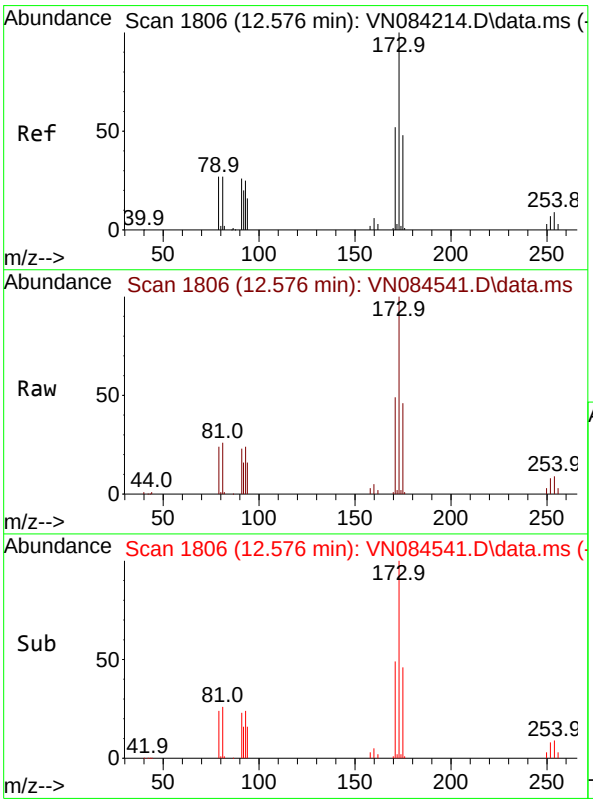
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

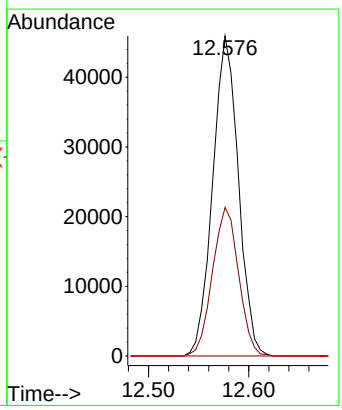


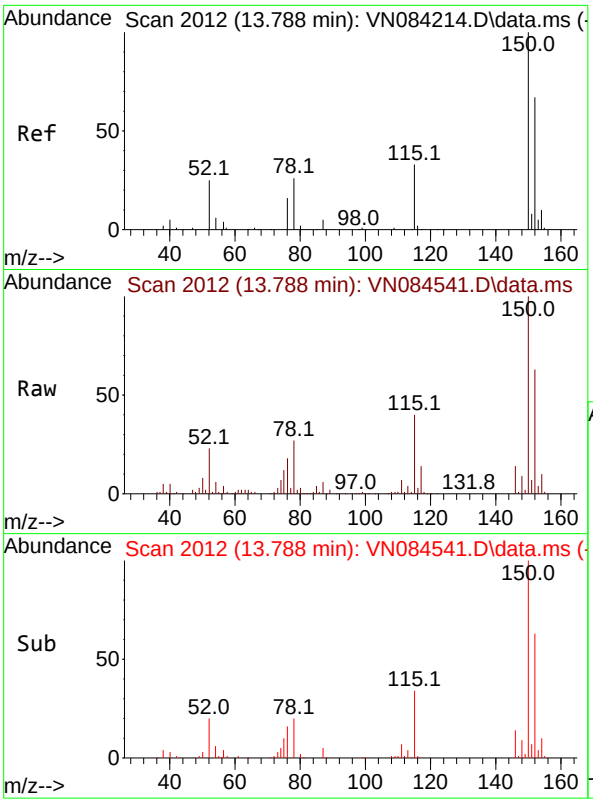


#71
Bromoform
Concen: 59.841 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:173 Resp: 81509

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.5	70.6
254	0.0	0.0	0.0

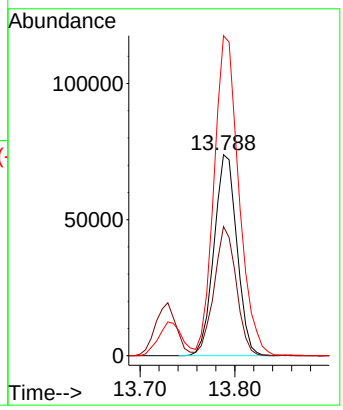




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:152 Resp: 12426

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	172.6	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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Reviewed By :Mahesh Dadoda 10/29/2024
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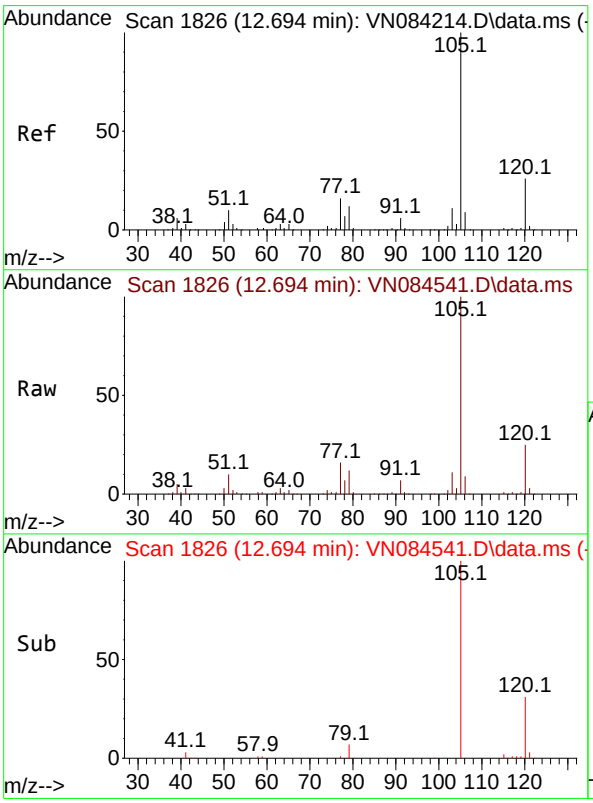
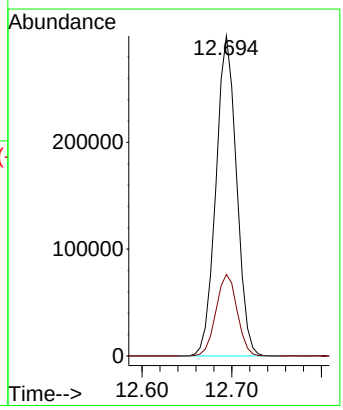
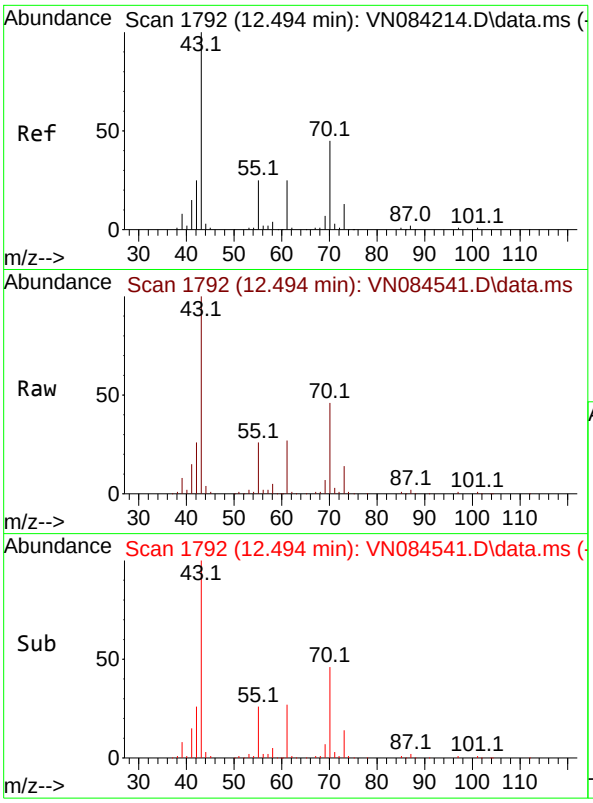


#73
Isopropylbenzene
Concen: 50.405 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:105 Resp: 477965

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

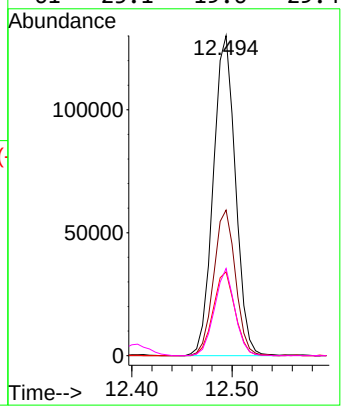




#74
N-amyl acetate
Concen: 46.499 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 19966

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.4	51.6
55	25.9	19.6	29.4
61	25.1	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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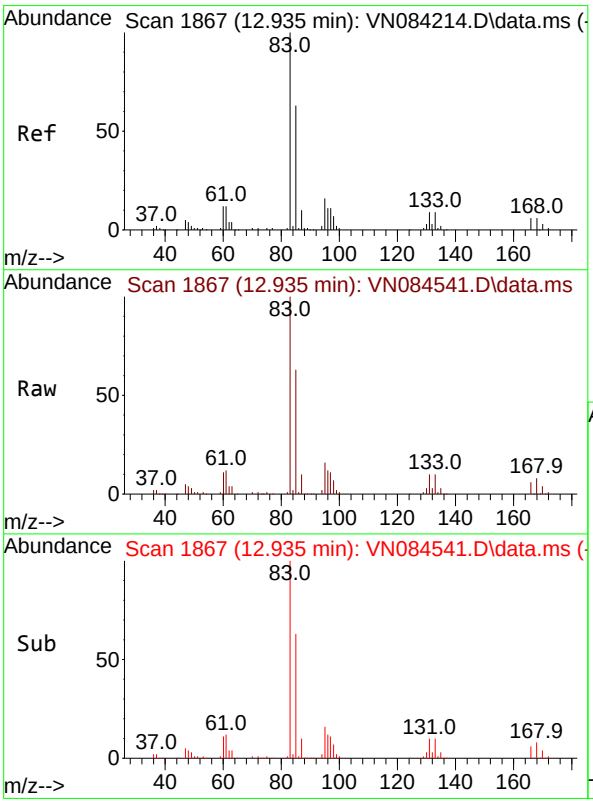
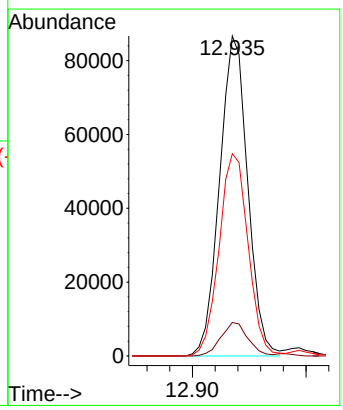
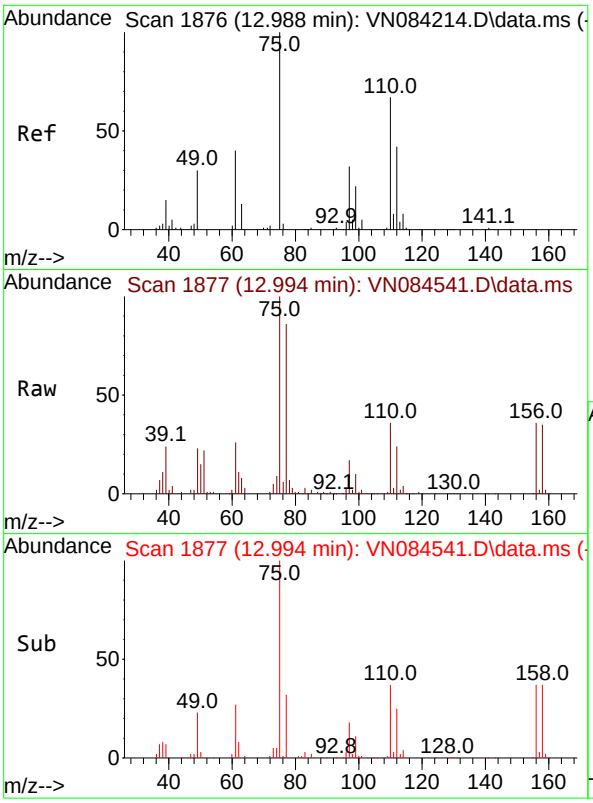


#75
1,1,2,2-Tetrachloroethane
Concen: 52.229 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 83 Resp: 148921

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	65.3	31.9	95.7

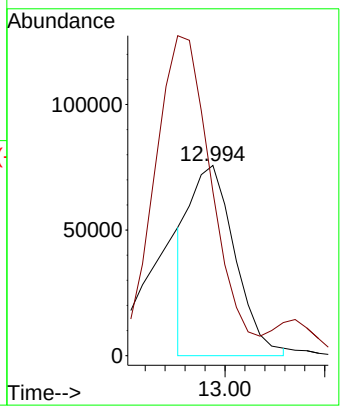




#76
1,2,3-Trichloropropane
Concen: 47.422 ug/l m
RT: 12.994 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 12030

Ion	Ratio	Lower	Upper
75	100		
77	213.0	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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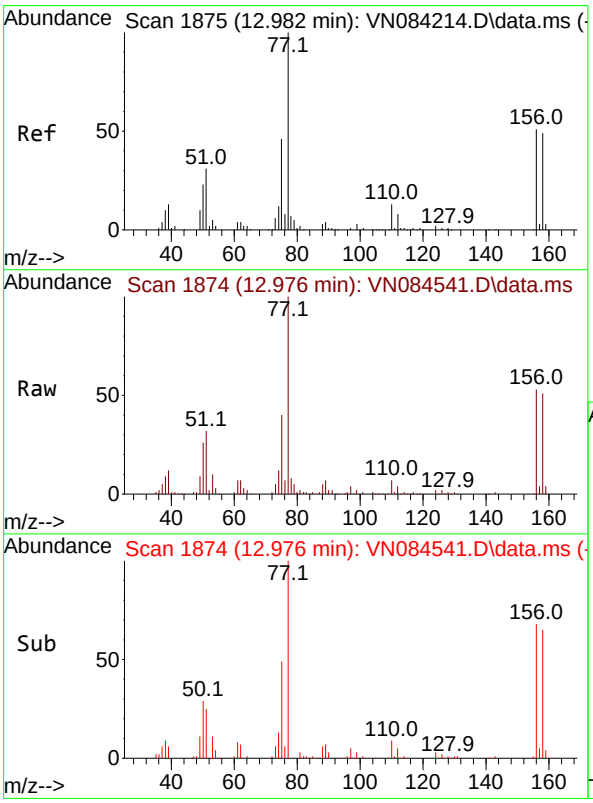
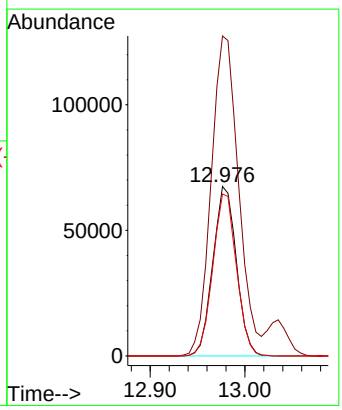
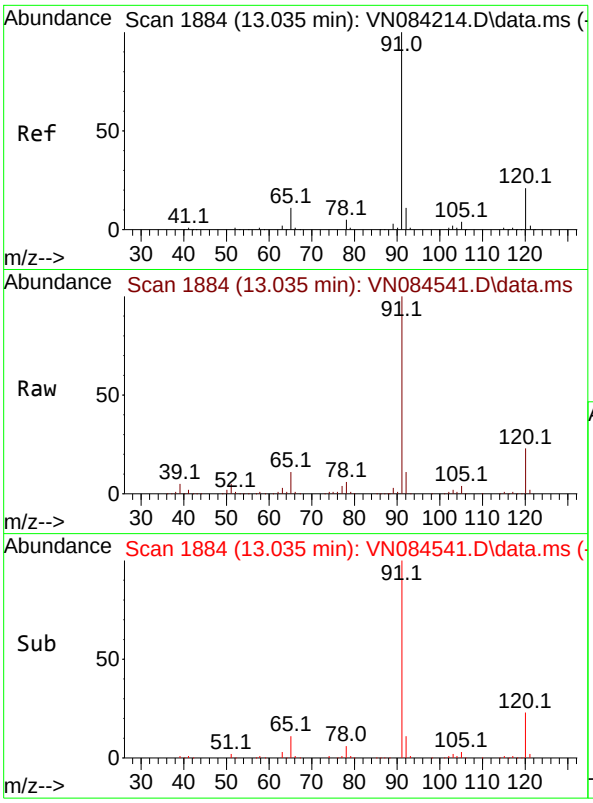


#77
Bromobenzene
Concen: 50.986 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:156 Resp: 116619

Ion	Ratio	Lower	Upper
156	100		
77	219.8	115.1	345.3
158	96.2	48.9	146.8





#78
n-propylbenzene
Concen: 50.767 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 55774

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

Instrument :
MSVOA_N
ClientSampleId :
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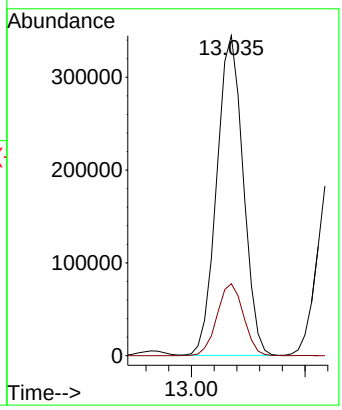
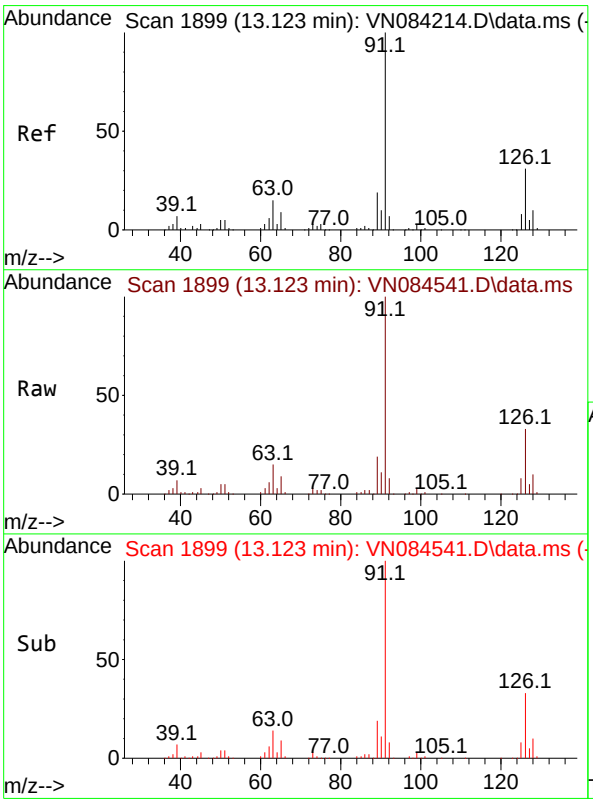
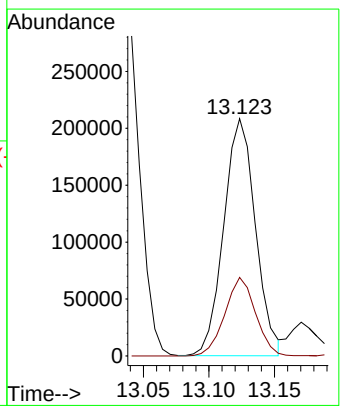


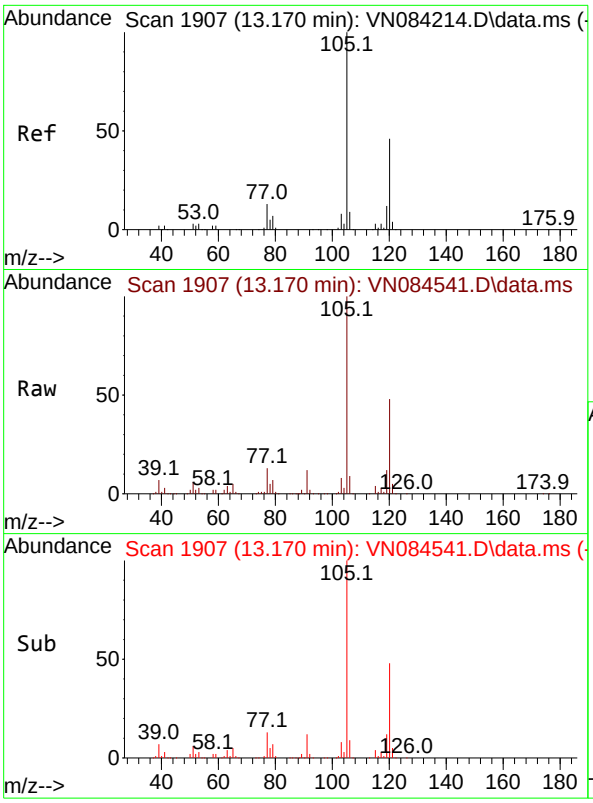


#79
2-Chlorotoluene
Concen: 50.063 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 350968

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1





#80
1,3,5-Trimethylbenzene
Concen: 52.786 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:105 Resp: 40830

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
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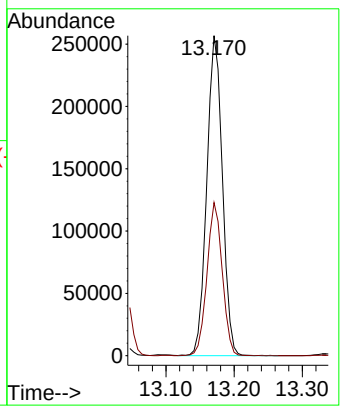
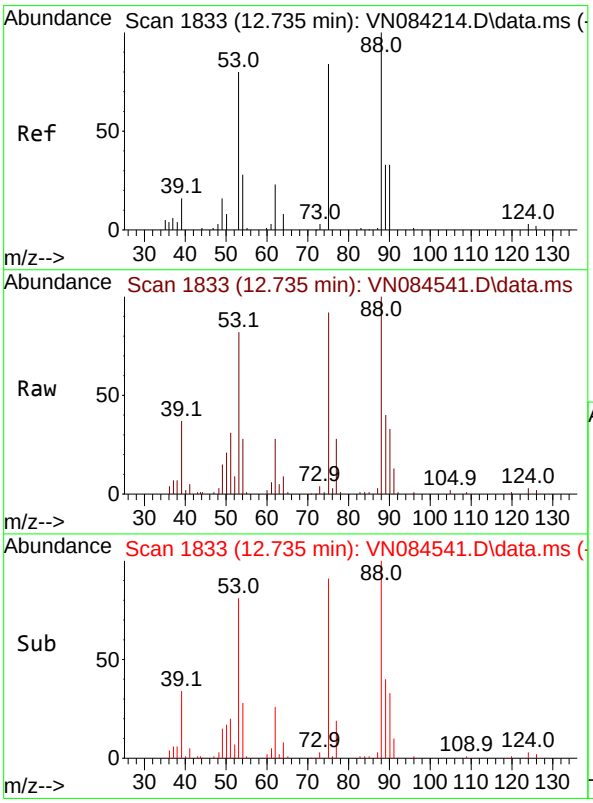
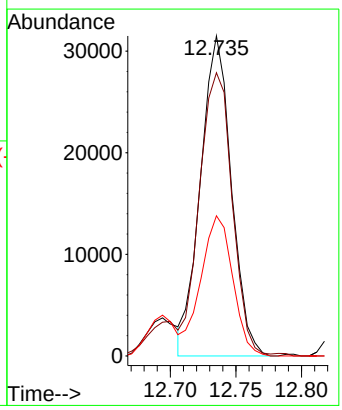


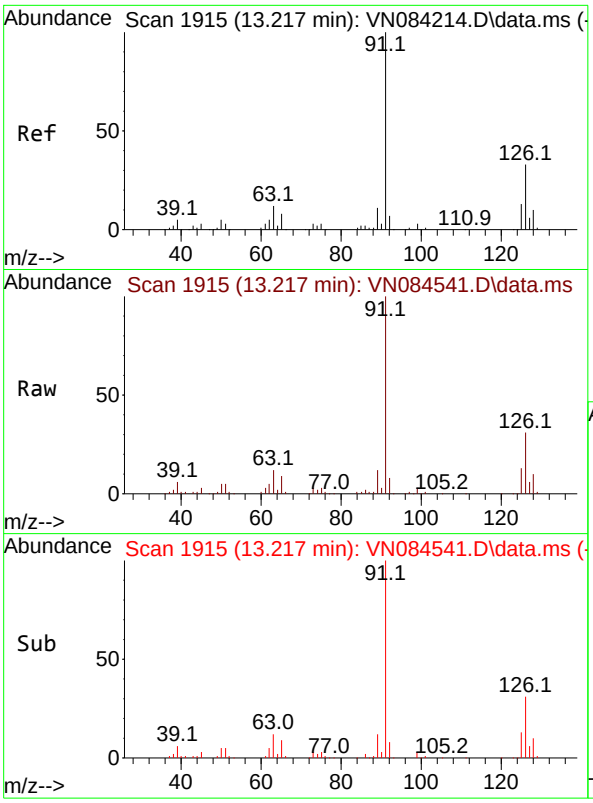


#81
trans-1,4-Dichloro-2-butene
Concen: 48.776 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 51613

Ion	Ratio	Lower	Upper
75	100		
53	105.1	78.0	117.0
89	45.6	35.5	53.3





#82
4-Chlorotoluene
Concen: 50.558 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 35680

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

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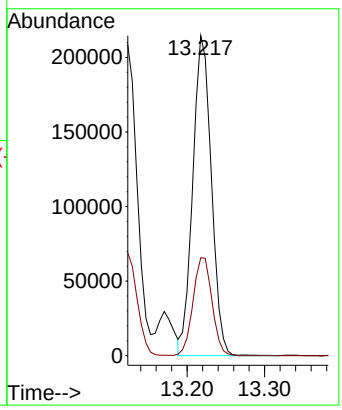
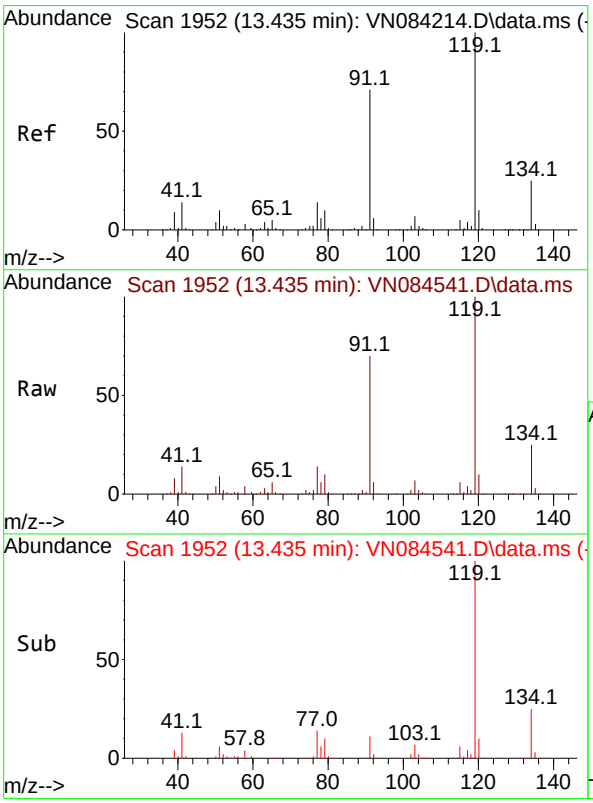
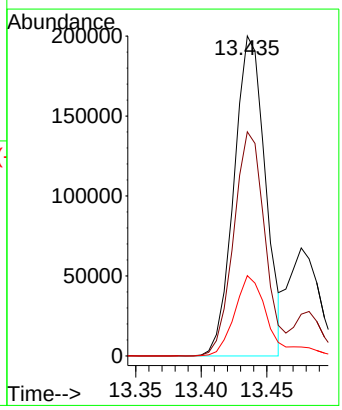


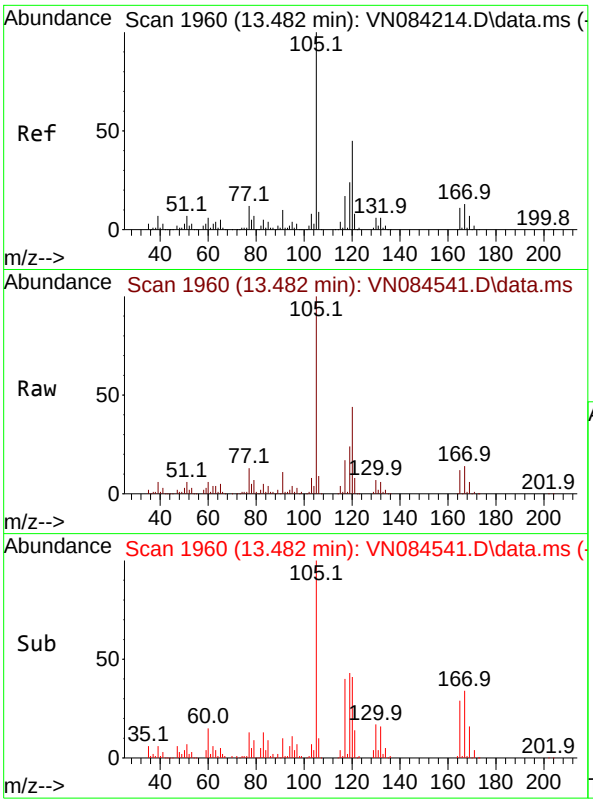


#83
tert-Butylbenzene
Concen: 48.336 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:119 Resp: 332305

Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.1	102.3
134	27.2	12.8	38.4

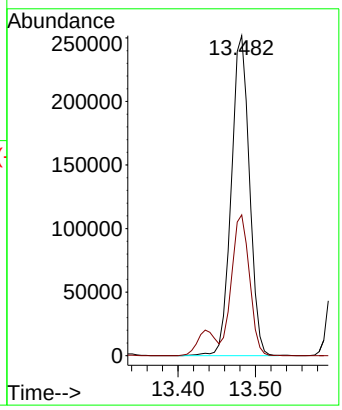




#84
1,2,4-Trimethylbenzene
Concen: 52.692 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:105 Resp: 41058

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



Instrument :
MSVOA_N
ClientSampleId :
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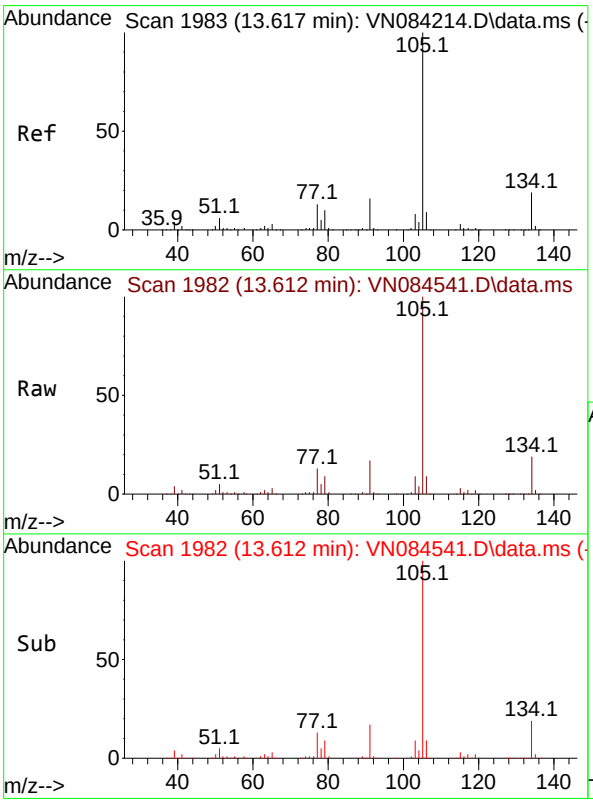
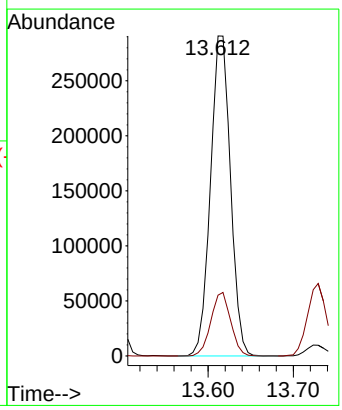
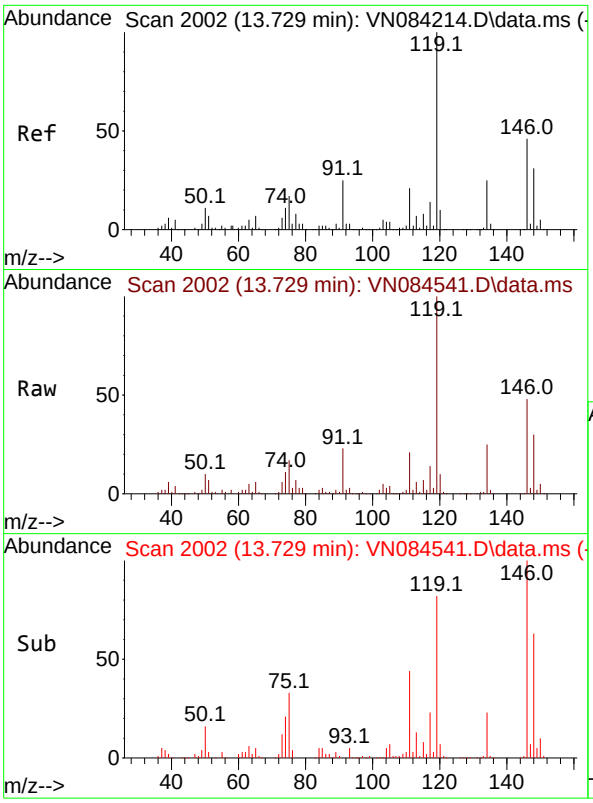


#85
sec-Butylbenzene
Concen: 51.740 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:105 Resp: 474663

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

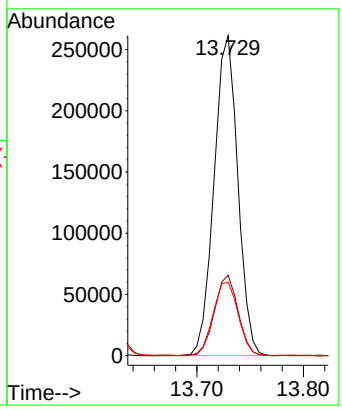




#86
p-Isopropyltoluene
Concen: 53.228 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:119 Resp: 40379

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	24.2	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
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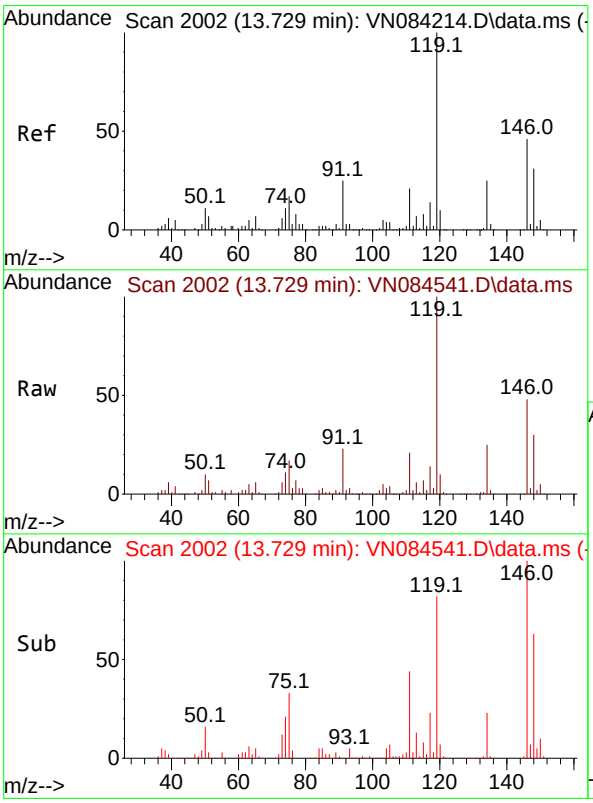
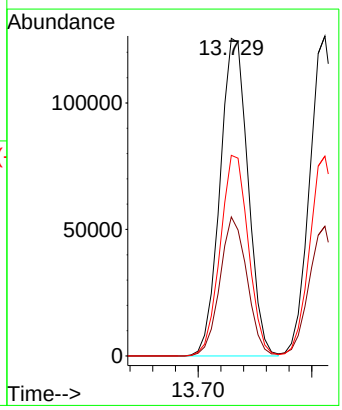
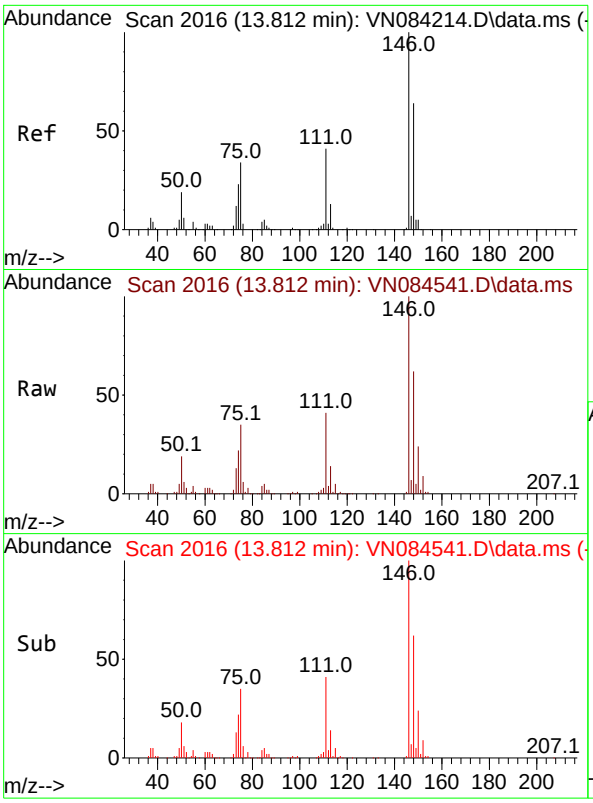


#87
1,3-Dichlorobenzene
Concen: 50.194 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:146 Resp: 215381

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	63.4	31.9	95.7

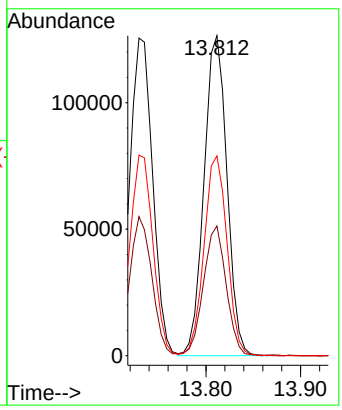




#88
1,4-Dichlorobenzene
Concen: 49.000 ug/l
RT: 13.812 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:146 Resp: 21232

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.2	63.6
148	62.6	31.9	95.9



Instrument :
MSVOA_N
ClientSampleId :
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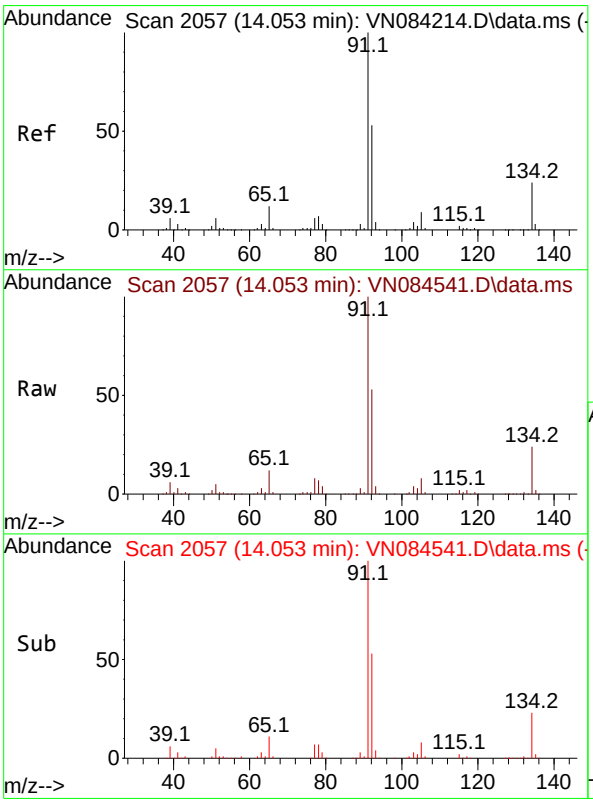
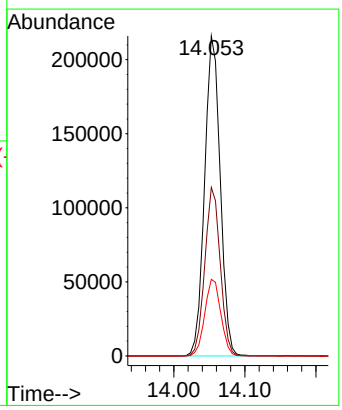
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

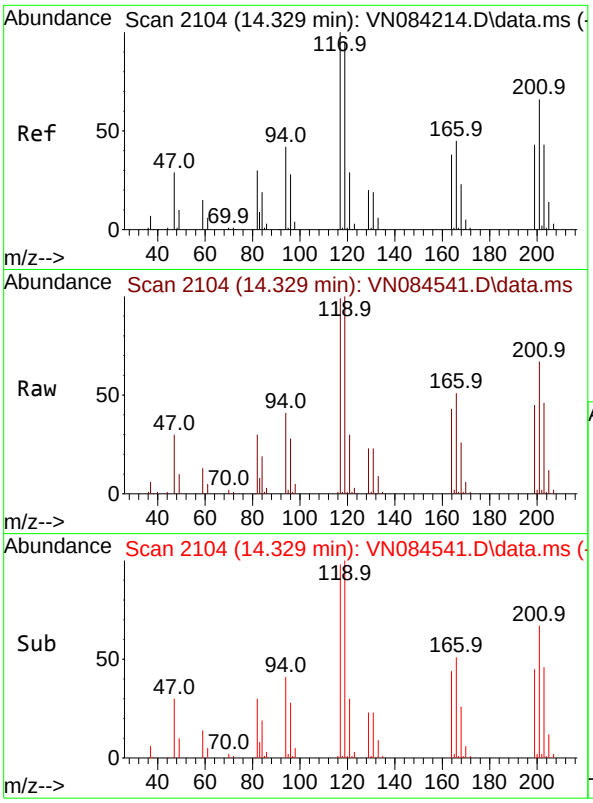


#89
n-Butylbenzene
Concen: 48.126 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 331045

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	24.6	12.3	36.9

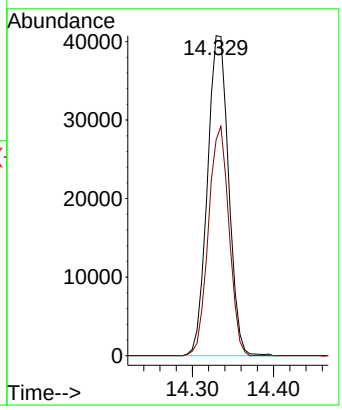




#90
Hexachloroethane
Concen: 47.979 ug/l
RT: 14.329 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:117 Resp: 7388

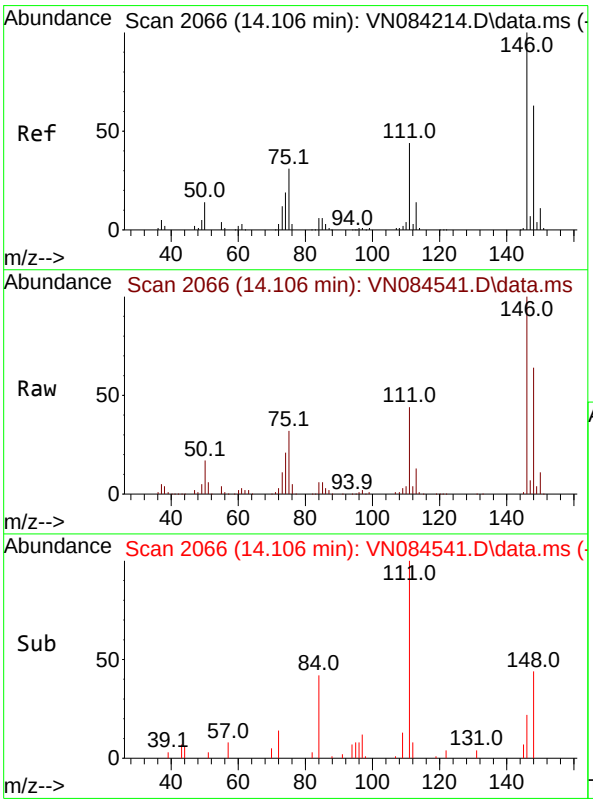
Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.4	103.2



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
APPROVED

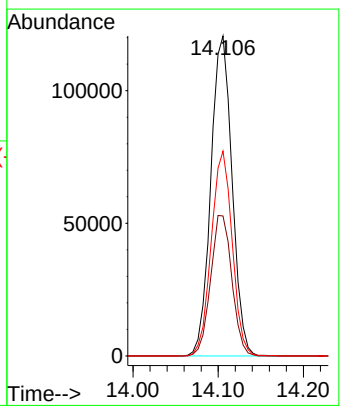
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

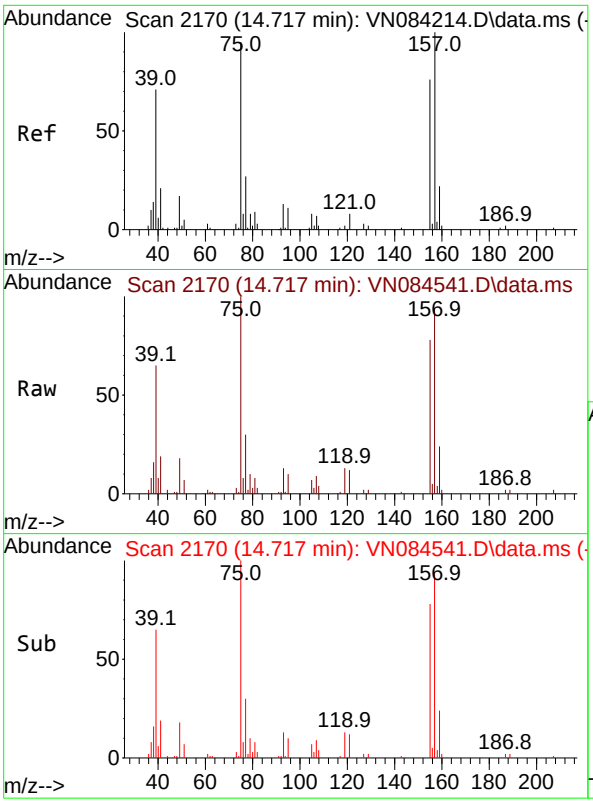


#91
1,2-Dichlorobenzene
Concen: 49.589 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:146 Resp: 208642

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.1	32.1	96.3

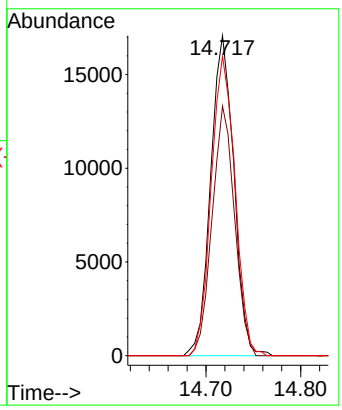




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.460 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

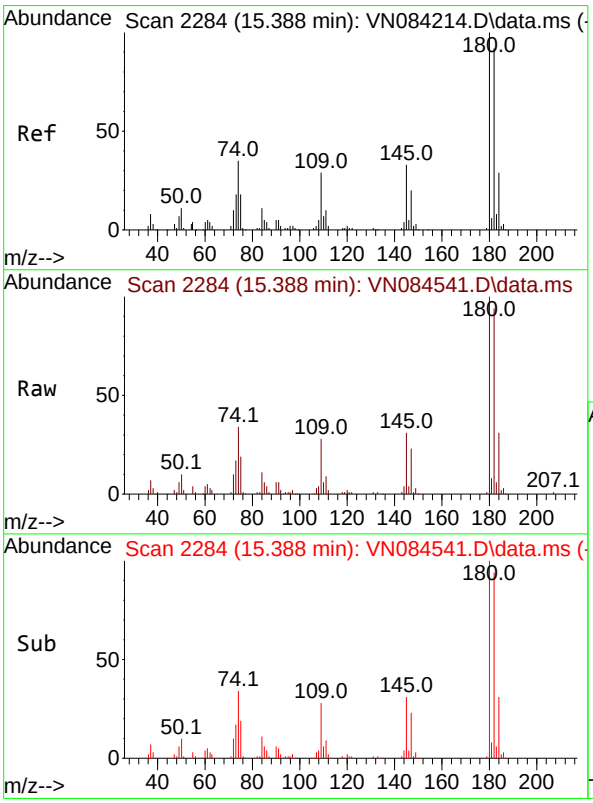
Tgt Ion: 75 Resp: 2910

Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.1	114.5
157	95.9	49.6	149.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

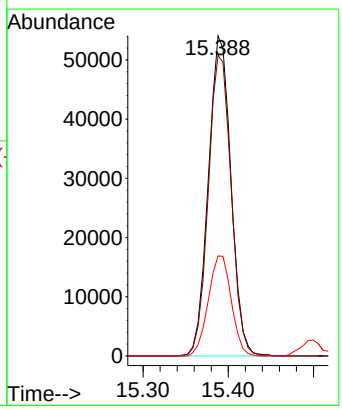
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

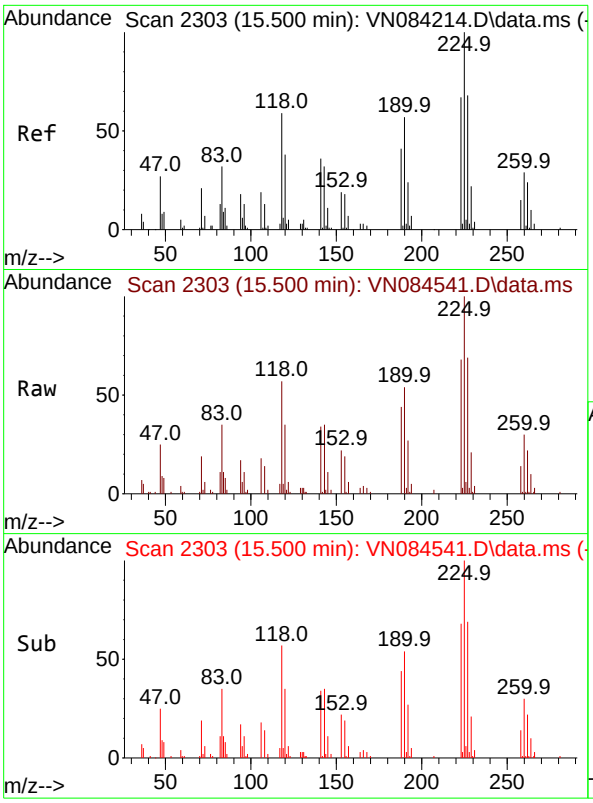


#93
1,2,4-Trichlorobenzene
Concen: 47.954 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:180 Resp: 99380

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	31.9	16.4	49.4

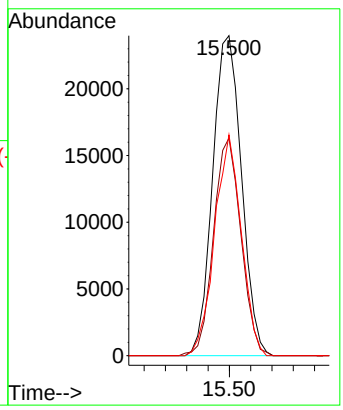




#94
Hexachlorobutadiene
Concen: 43.614 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

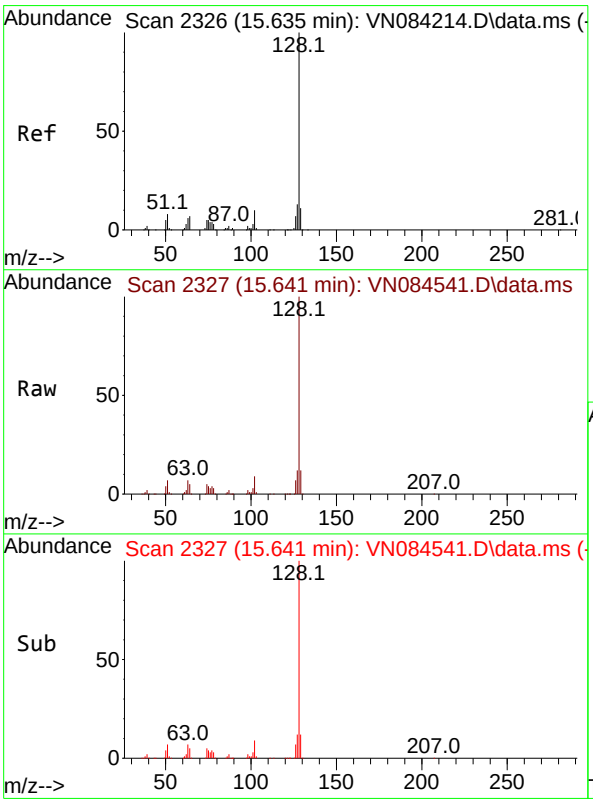
Tgt Ion:225 Resp: 4507

Ion	Ratio	Lower	Upper
225	100		
223	64.6	32.4	97.2
227	63.7	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

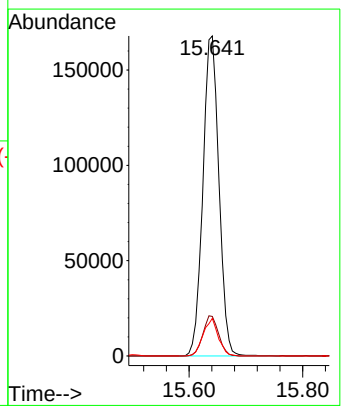
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

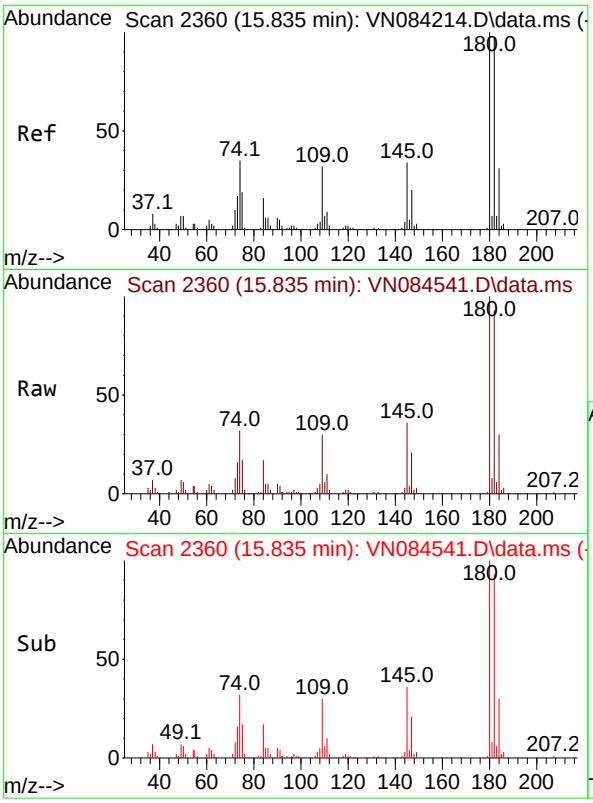


#95
Naphthalene
Concen: 47.757 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:128 Resp: 328108

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	11.1	8.7	13.1

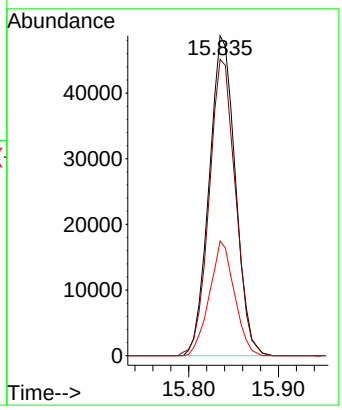




#96
1,2,3-Trichlorobenzene
Concen: 47.622 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:180 Resp: 9879

Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.2	144.6
145	34.1	17.3	51.9



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
Supervised By :Semsettin Yesilyurt 10/29/2024

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

Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084213.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:48 AM	MMDadoda	10/1/2024 5:34:17 PM	Peak Integrated by Software
VSTDICCC050	VN084214.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:52 AM	MMDadoda	10/1/2024 5:34:19 PM	Peak Integrated by Software
VSTDICC020	VN084215.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:57 AM	MMDadoda	10/1/2024 5:34:21 PM	Peak Integrated by Software
VSTDICC010	VN084216.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:06 AM	MMDadoda	10/1/2024 5:34:22 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	trans-1,2-Dichloroethene	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Vinyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,4-Dichlorobenzene	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Allyl chloride	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN084218.D	Vinyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICV050	VN084220.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:01 AM	MMDadoda	10/1/2024 5:34:27 PM	Peak Integrated by Software
VSTDCCC050	VN084229.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:17 AM	MMDadoda	10/1/2024 5:34:32 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
VN1025WBS02	VN084509.D	1,2,3-Trichloropropane	SAM	10/28/2024 9:57:06 AM	MMDadoda	10/28/2024 2:07:25 PM	Peak Integrated by Software
VN1025WBS02	VN084509.D	trans-1,4-Dichloro-2-but ene	SAM	10/28/2024 9:57:06 AM	MMDadoda	10/28/2024 2:07:25 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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Manual Integration Report

Sequence:	vn102824	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084529.D	1,2,3-Trichloropropane	MMDadoda	10/29/2024 12:18:28 PM	SAM	10/29/2024 12:20:37 PM	Peak Integrated by Software
VN1028WBS01	VN084532.D	1,2,3-Trichloropropane	MMDadoda	10/29/2024 12:18:30 PM	SAM	10/29/2024 12:20:38 PM	Peak Integrated by Software
VN1028WBS01	VN084532.D	trans-1,4-Dichloro-2-butene	MMDadoda	10/29/2024 12:18:30 PM	SAM	10/29/2024 12:20:38 PM	Peak Integrated by Software
P4550-12	VN084538.D	Acetone	MMDadoda	10/29/2024 12:18:33 PM	SAM	10/29/2024 12:20:42 PM	Peak Integrated by Software
P4550-07MS	VN084540.D	1,2,3-Trichloropropane	MMDadoda	10/29/2024 12:18:34 PM	SAM	10/29/2024 12:20:44 PM	Peak Integrated by Software
P4550-08MSD	VN084541.D	1,2,3-Trichloropropane	MMDadoda	10/29/2024 12:18:36 PM	SAM	10/29/2024 12:20:46 PM	Peak Integrated by Software
VSTDCCC050	VN084550.D	1,2,3-Trichloropropane	MMDadoda	10/29/2024 12:18:41 PM	SAM	10/29/2024 12:20:51 PM	Peak Integrated by Software
VSTDCCC050	VN084550.D	Isopropyl Acetate	MMDadoda	10/29/2024 12:18:41 PM	SAM	10/29/2024 12:20:51 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084211.D	30 Sep 2024 09:24	JC\MD	Ok
2	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	JC\MD	Not Ok
3	VSTDICC100	VN084213.D	30 Sep 2024 12:25	JC\MD	Ok,M
4	VSTDICCC050	VN084214.D	30 Sep 2024 12:49	JC\MD	Ok,M
5	VSTDICC020	VN084215.D	30 Sep 2024 13:13	JC\MD	Ok,M
6	VSTDICC010	VN084216.D	30 Sep 2024 13:37	JC\MD	Ok,M
7	VSTDICC005	VN084217.D	30 Sep 2024 14:00	JC\MD	Ok,M
8	VSTDICC001	VN084218.D	30 Sep 2024 14:48	JC\MD	Ok,M
9	IBLK	VN084219.D	30 Sep 2024 15:12	JC\MD	Ok
10	VSTDICV050	VN084220.D	30 Sep 2024 15:36	JC\MD	Ok,M
11	VN0930MBL01	VN084221.D	30 Sep 2024 16:11	JC\MD	Ok
12	VN0930WBL01	VN084222.D	30 Sep 2024 16:35	JC\MD	Ok
13	VN0930WBS01	VN084223.D	30 Sep 2024 17:42	JC\MD	Ok,M
14	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06	JC\MD	Ok,M
15	P4116-24	VN084225.D	30 Sep 2024 18:30	JC\MD	Dilution
16	P4116-25	VN084226.D	30 Sep 2024 18:54	JC\MD	Dilution
17	P4116-26	VN084227.D	30 Sep 2024 19:18	JC\MD	Dilution
18	P4116-27	VN084228.D	30 Sep 2024 19:42	JC\MD	Dilution
19	VSTDCCC050	VN084229.D	30 Sep 2024 20:06	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 # VN102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:58 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:20 PM				
SubDirectory	VN102824	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131138
Initial Calibration Stds	
CCC	VP131140,VP131141
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	VN084528.D	28 Oct 2024 09:18	JC\MD	Ok
2	VSTDCCC050	VN084529.D	28 Oct 2024 10:05	JC\MD	Ok,M
3	VN1028MBL01	VN084530.D	28 Oct 2024 10:40	JC\MD	Ok
4	VN1028WBL01	VN084531.D	28 Oct 2024 11:42	JC\MD	Ok
5	VN1028WBS01	VN084532.D	28 Oct 2024 12:18	JC\MD	Ok,M
6	VN1028WBSD01	VN084533.D	28 Oct 2024 12:42	JC\MD	Ok,M
7	VIBLK	VN084534.D	28 Oct 2024 13:06	JC\MD	Ok
8	P4550-09	VN084535.D	28 Oct 2024 13:30	JC\MD	Ok
9	P4550-10	VN084536.D	28 Oct 2024 13:53	JC\MD	Ok
10	P4550-11	VN084537.D	28 Oct 2024 14:17	JC\MD	Ok
11	P4550-12	VN084538.D	28 Oct 2024 14:41	JC\MD	Ok,M
12	P4550-06	VN084539.D	28 Oct 2024 15:05	JC\MD	Ok
13	P4550-07MS	VN084540.D	28 Oct 2024 15:29	JC\MD	Ok,M
14	P4550-08MSD	VN084541.D	28 Oct 2024 15:53	JC\MD	Ok,M
15	VIBLK	VN084542.D	28 Oct 2024 16:17	JC\MD	Ok
16	P4550-01	VN084543.D	28 Oct 2024 16:41	JC\MD	Ok
17	P4550-02	VN084544.D	28 Oct 2024 17:05	JC\MD	Ok
18	P4550-05	VN084545.D	28 Oct 2024 17:29	JC\MD	Ok
19	P4528-01	VN084546.D	28 Oct 2024 17:53	JC\MD	Ok
20	P4545-02	VN084547.D	28 Oct 2024 18:17	JC\MD	Ok
21	P4567-04	VN084548.D	28 Oct 2024 18:41	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:58 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:20 PM				
SubDirectory	VN102824	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131138
Initial Calibration Stds	
CCC	VP131140,VP131141
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4567-08	VN084549.D	28 Oct 2024 19:05	JC\MD	Ok,M
23	VSTDCCC050	VN084550.D	28 Oct 2024 21:02	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084211.D	30 Sep 2024 09:24		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN084213.D	30 Sep 2024 12:25		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN084214.D	30 Sep 2024 12:49		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN084215.D	30 Sep 2024 13:13		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN084216.D	30 Sep 2024 13:37		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN084217.D	30 Sep 2024 14:00		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN084218.D	30 Sep 2024 14:48		JC\MD	Ok,M
9	IBLK	IBLK	VN084219.D	30 Sep 2024 15:12		JC\MD	Ok
10	VSTDICV050	ICVVN093024	VN084220.D	30 Sep 2024 15:36		JC\MD	Ok,M
11	VN0930MBL01	VN0930MBL01	VN084221.D	30 Sep 2024 16:11		JC\MD	Ok
12	VN0930WBL01	VN0930WBL01	VN084222.D	30 Sep 2024 16:35		JC\MD	Ok
13	VN0930WBS01	VN0930WBS01	VN084223.D	30 Sep 2024 17:42		JC\MD	Ok,M
14	VN0930WBSD01	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06		JC\MD	Ok,M
15	P4116-24	RE132D5-20240918	VN084225.D	30 Sep 2024 18:30	vial A pH<2 Need 2x	JC\MD	Dilution
16	P4116-25	RE132D6-20240918	VN084226.D	30 Sep 2024 18:54	vial A pH<2 Need 40X	JC\MD	Dilution
17	P4116-26	RE132D7-20240918	VN084227.D	30 Sep 2024 19:18	vial A pH<2 Need 40X	JC\MD	Dilution
18	P4116-27	DUP05-20240918	VN084228.D	30 Sep 2024 19:42	vial A pH<2 Need 2x	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VN084229.D	30 Sep 2024 20:06		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	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	241023068-02-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-PT-BLVD	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	241023068-02-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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:20 PM		
SubDirectory	VN102824	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131138
Initial Calibration Stds	
CCC	VP131140,VP131141
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	VN084528.D	28 Oct 2024 09:18		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084529.D	28 Oct 2024 10:05		JC\MD	Ok,M
3	VN1028MBL01	VN1028MBL01	VN084530.D	28 Oct 2024 10:40		JC\MD	Ok
4	VN1028WBL01	VN1028WBL01	VN084531.D	28 Oct 2024 11:42		JC\MD	Ok
5	VN1028WBS01	VN1028WBS01	VN084532.D	28 Oct 2024 12:18		JC\MD	Ok,M
6	VN1028WBSD01	VN1028WBSD01	VN084533.D	28 Oct 2024 12:42		JC\MD	Ok,M
7	VIBLK	VIBLK	VN084534.D	28 Oct 2024 13:06		JC\MD	Ok
8	P4550-09	BP-VPB-190-GW-358-3	VN084535.D	28 Oct 2024 13:30	pH#2.0 A	JC\MD	Ok
9	P4550-10	BP-VPB-190-GW-378-3	VN084536.D	28 Oct 2024 13:53	pH#2.0 A	JC\MD	Ok
10	P4550-11	BP-VPB-190-GW-398-4	VN084537.D	28 Oct 2024 14:17	pH#2.0 A	JC\MD	Ok
11	P4550-12	BP-VPB-190-GW-418-4	VN084538.D	28 Oct 2024 14:41	pH#2.0 A+B	JC\MD	Ok,M
12	P4550-06	BP-VPB-190-GW-338-3	VN084539.D	28 Oct 2024 15:05	pH#2.0 A	JC\MD	Ok
13	P4550-07MS	BP-VPB-190-GW-338-3	VN084540.D	28 Oct 2024 15:29	pH#2.0 A	JC\MD	Ok,M
14	P4550-08MSD	BP-VPB-190-GW-338-3	VN084541.D	28 Oct 2024 15:53	pH#2.0 A	JC\MD	Ok,M
15	VIBLK	VIBLK	VN084542.D	28 Oct 2024 16:17		JC\MD	Ok
16	P4550-01	BP-VPB-190-TB-20241	VN084543.D	28 Oct 2024 16:41	pH#2.0 B TB	JC\MD	Ok
17	P4550-02	VPB190-HYD-2024102	VN084544.D	28 Oct 2024 17:05	pH#2.0 B	JC\MD	Ok
18	P4550-05	BP-VPB-190-GW-318-3	VN084545.D	28 Oct 2024 17:29	pH#2.0 B	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:20 PM		
SubDirectory	VN102824	HP Acquire Method	MSVOA_N	HP Processing Method	82n093024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131138
Initial Calibration Stds	
CCC	VP131140,VP131141
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4528-01	241023068-02-VOA	VN084546.D	28 Oct 2024 17:53	pH#7.0 B	JC\MD	Ok
20	P4545-02	VNJ-215	VN084547.D	28 Oct 2024 18:17	pH#5.0 A	JC\MD	Ok
21	P4567-04	WC-1	VN084548.D	28 Oct 2024 18:41	pH#5.0 A	JC\MD	Ok,M
22	P4567-08	WC-2	VN084549.D	28 Oct 2024 19:05	pH#5.0 A	JC\MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VN084550.D	28 Oct 2024 21:02		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P4550

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vn102524,vn102824,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130314,VP130430,VP130836,VP130994,VP131110,VP131111,VP131112,VP131122,VP131123,VP131124,VP131134,VP131138,VP131140,VP131141,

Chemical ID :
V12560,V12666,V12794,V12798,V13390,V13444,V13462,V13463,V13707,V13797,V13804,V13806,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14152,V14171,V14172,V14203,V14206,V14212,V14215,V14217,V14288,V14436,V14443,V14546,V14547,V14548,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	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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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	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131138	10/28/2024	10/29/2024	Amit Patel	None	None	Mahesh Dadoda 10/30/2024

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
620	50 PPB CCC, 8260-Water	VP131140	10/28/2024	10/29/2024	Amit Patel	None	None	Mahesh Dadoda 10/30/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = 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	VP131141	10/28/2024	10/29/2024	Amit Patel	None	None	Mahesh Dadoda 10/30/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = 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	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

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

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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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

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

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	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

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

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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	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

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	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

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 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

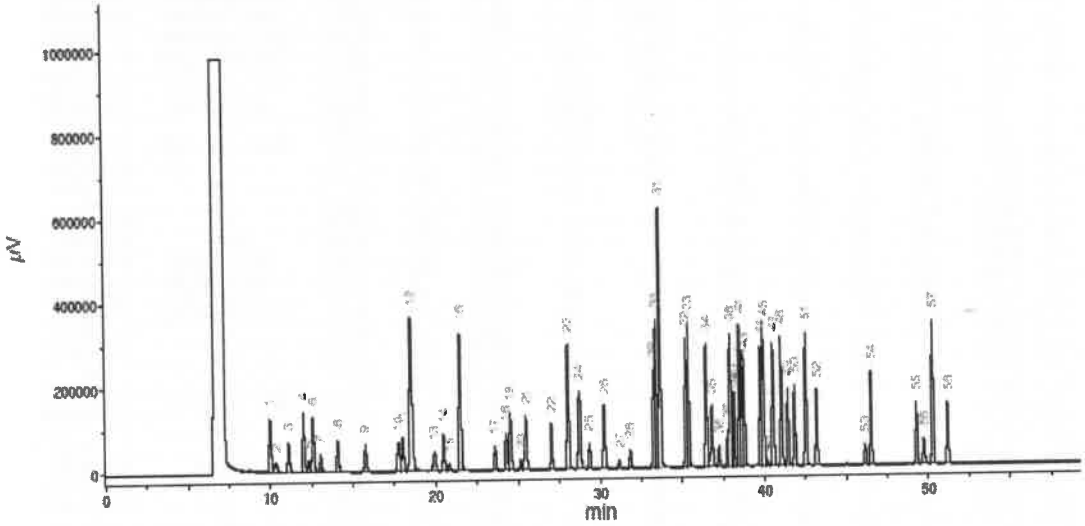
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	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 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

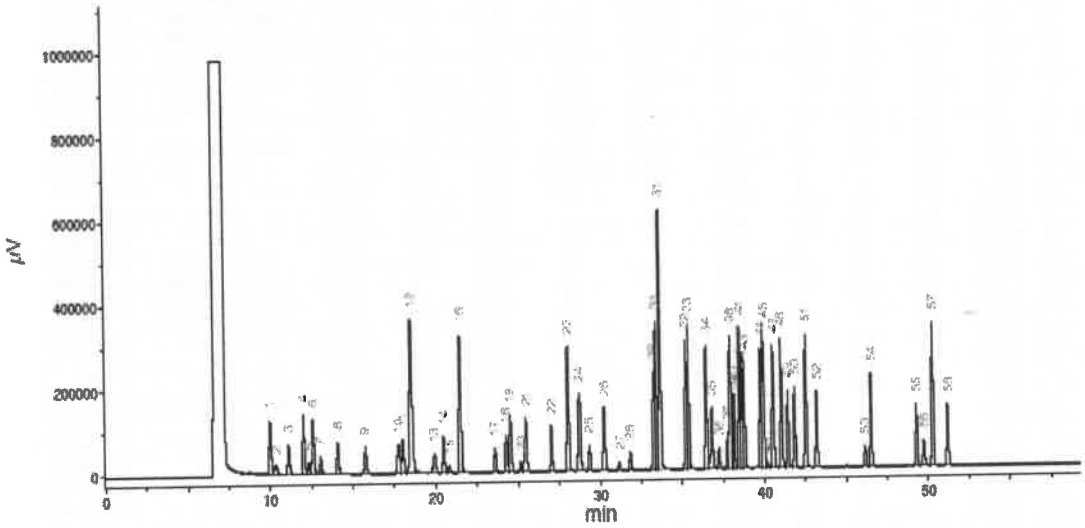
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	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-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

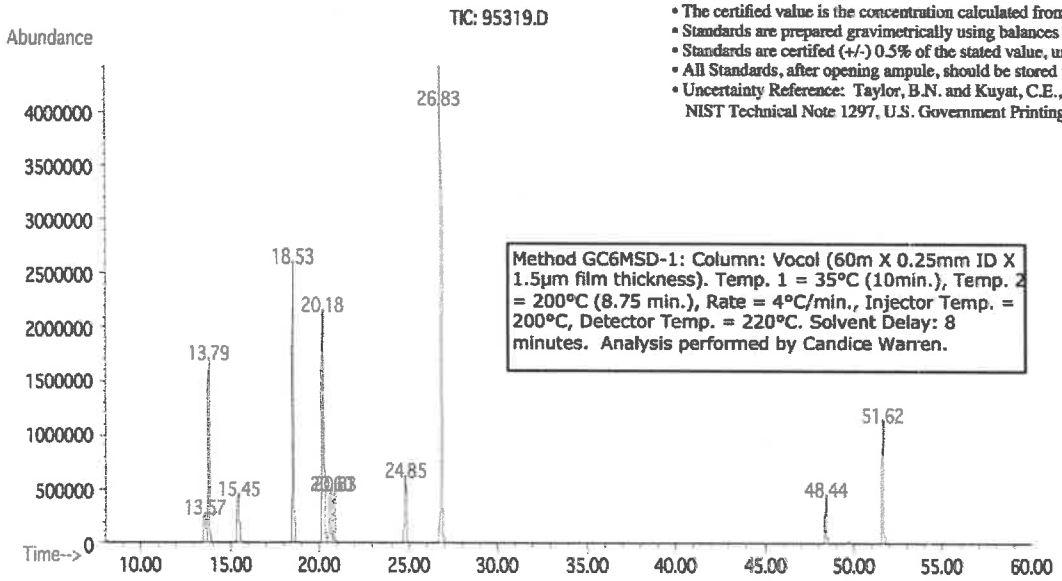
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8.	Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

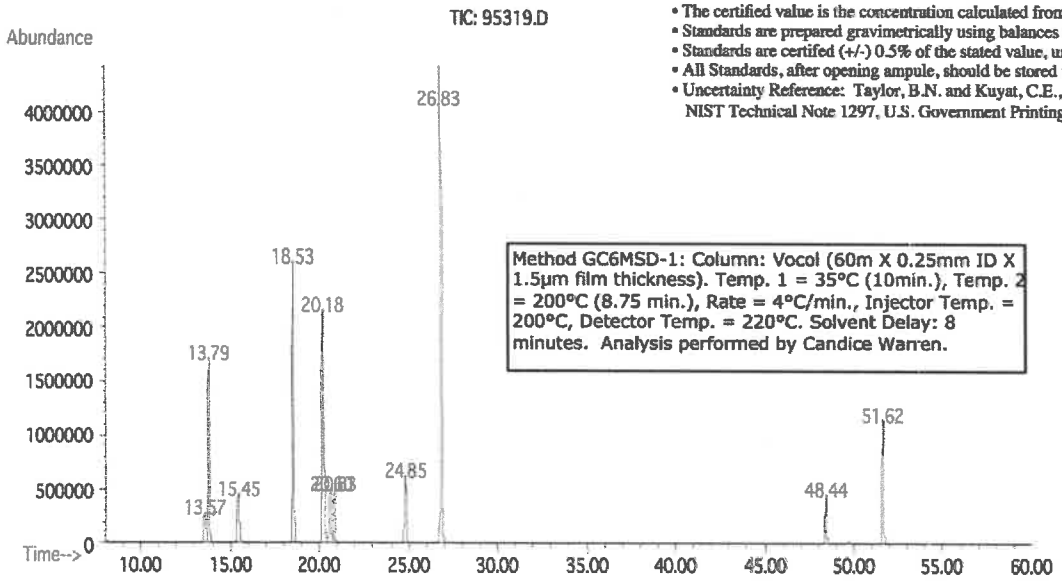
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8.	Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
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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.

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: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

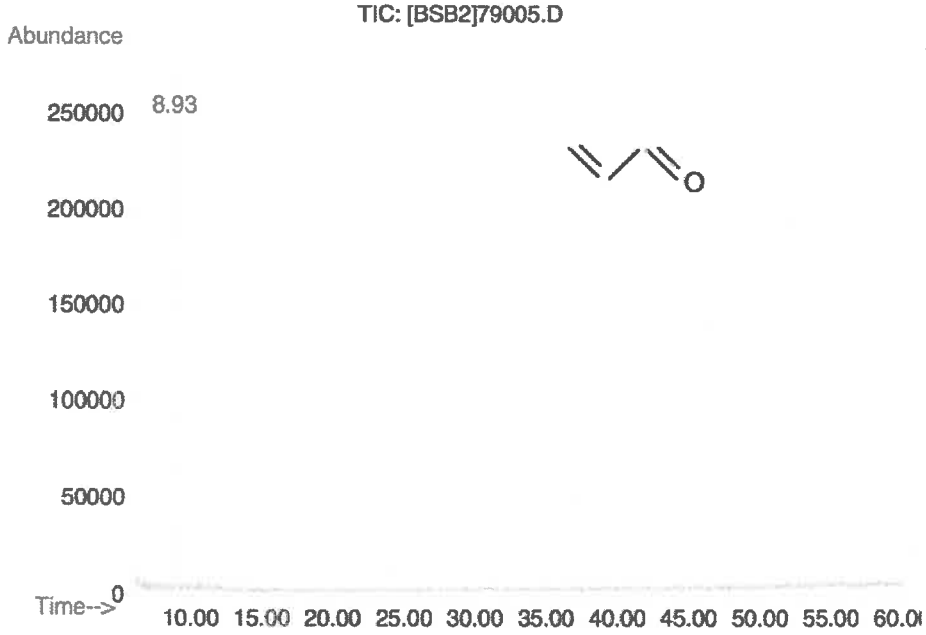
Solvent(s): **Lot#**
Water 072324Q

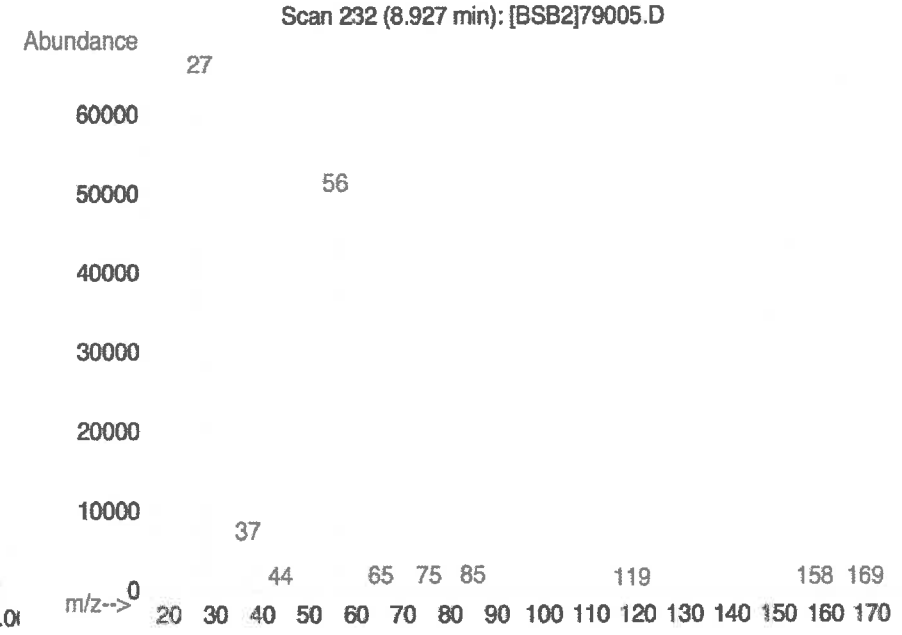
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

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.

Absolute Standards, Inc.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

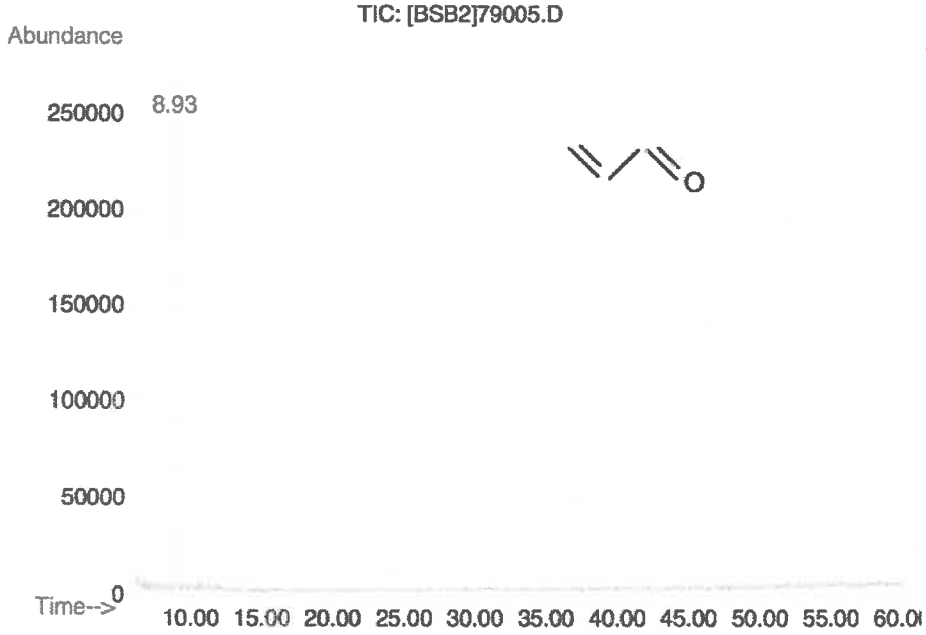
Solvent(s): **Lot#**
Water 072324Q

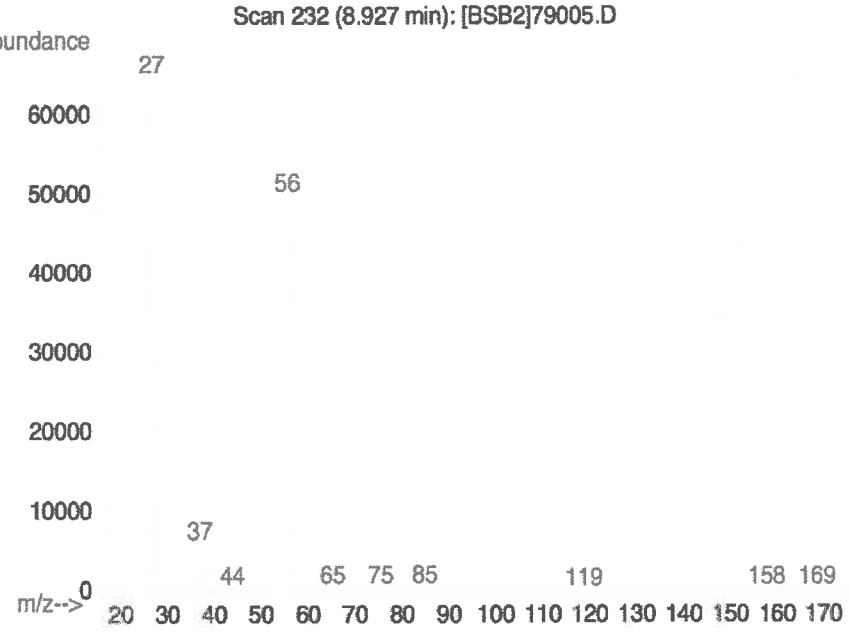
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

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.

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.

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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

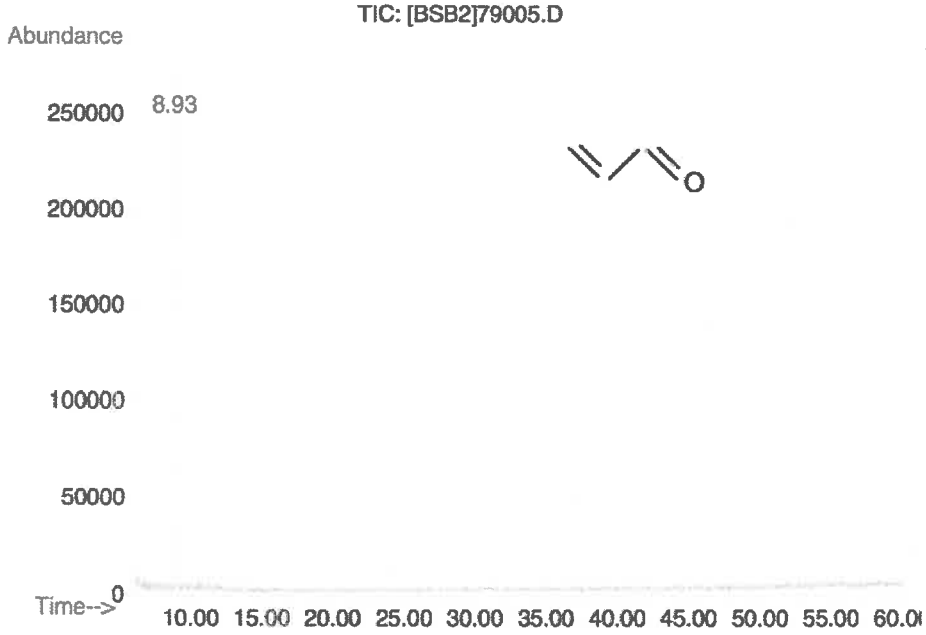
Solvent(s): **Lot#**
Water 072324Q

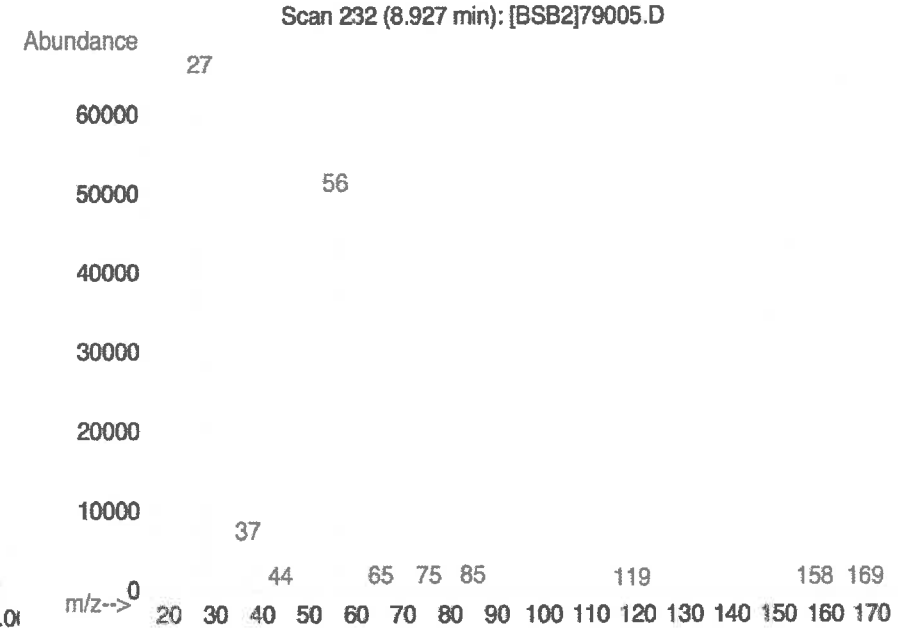
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

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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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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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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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

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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

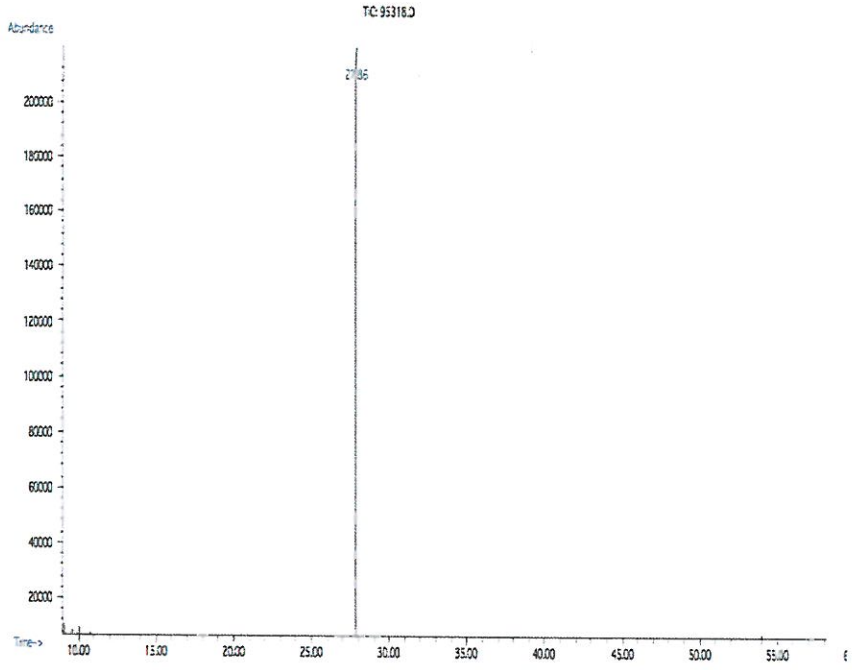
Solvent(s):	Lot#
Methanol	EA899-US

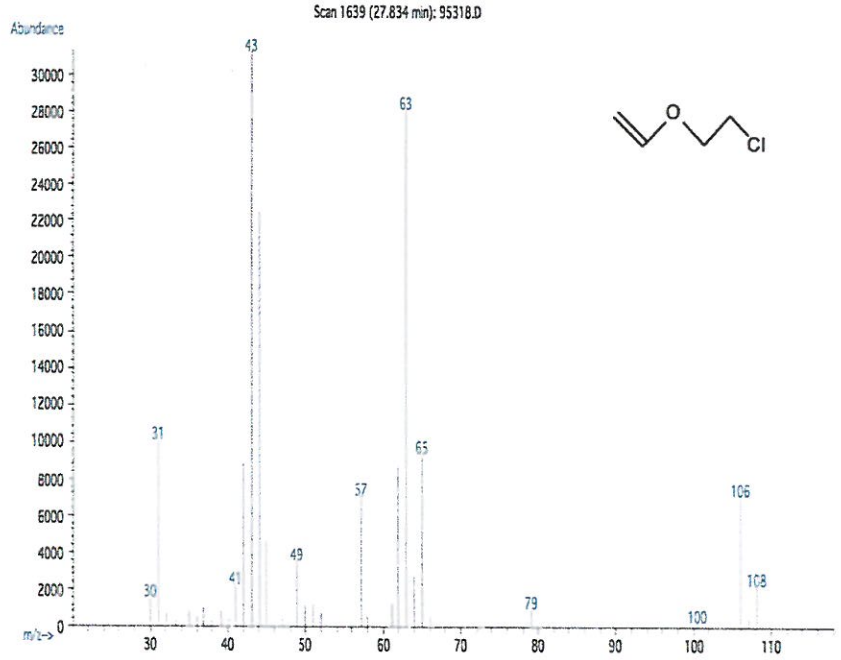
Weight(s) shown below were combined and diluted to (mL): 30.0 | 5E-05 Balance Uncertainty | 0.0003 Flask Uncertainty

	121321
Formulated By: Benson Chan	DATE
	121321
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. 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

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): **Lot#**
Methanol EA899-US

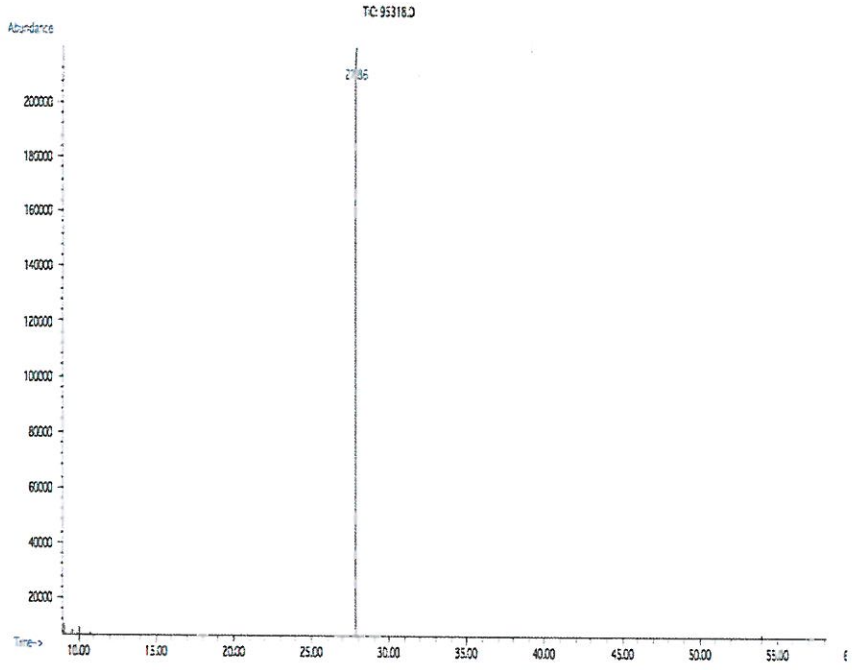
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

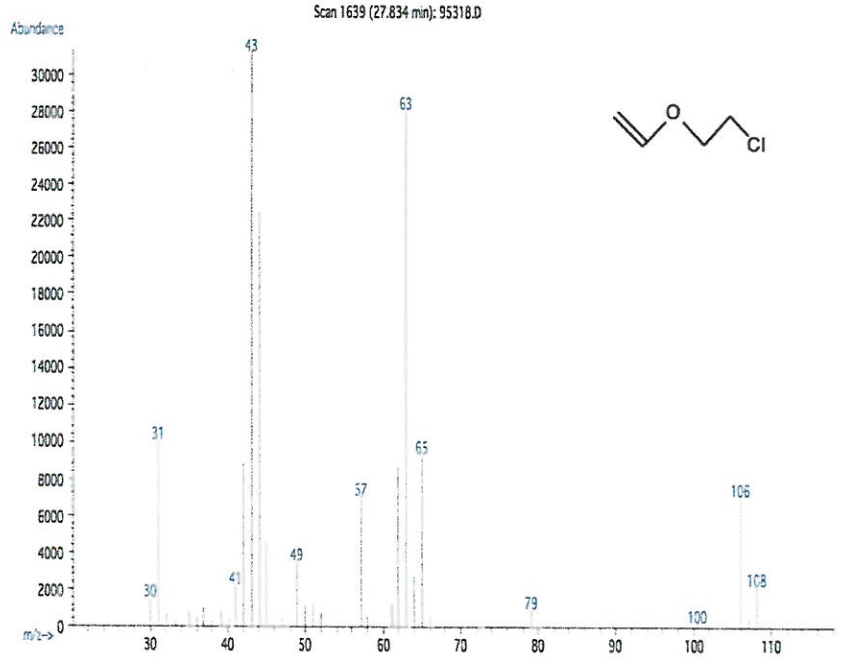
Weight(s) shown below were combined and diluted to (mL): 30.0 | 5E-05 Balance Uncertainty | 0.0003 Flask Uncertainty

		121321
Formulated By:	Benson Chan	DATE
		121321
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. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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. : 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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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)		50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0	(Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%			+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

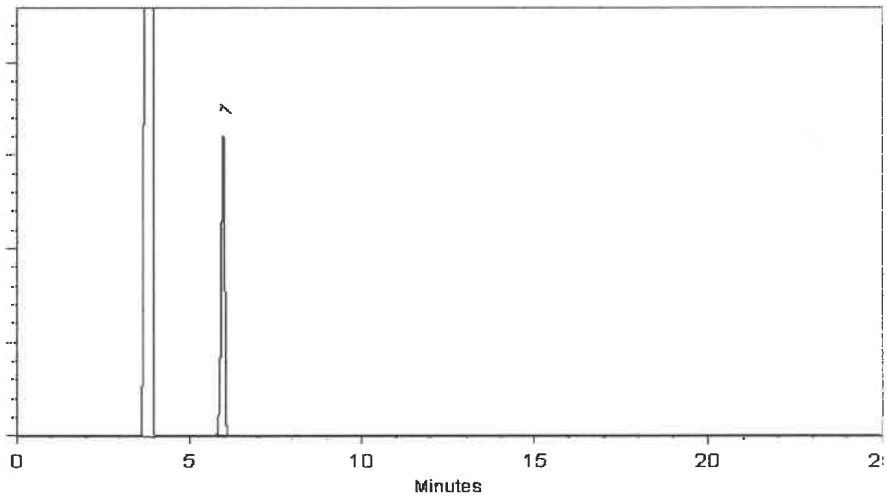
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.)

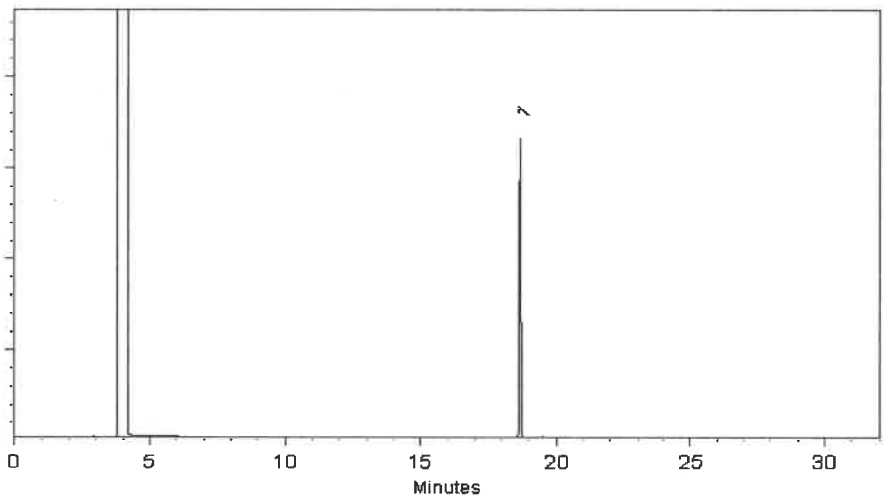
Inj. Temp:
200°C

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.)

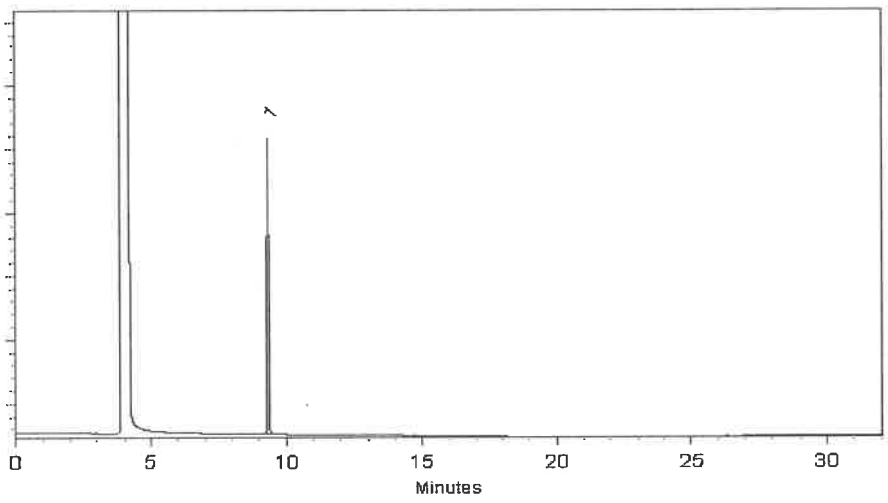
Inj. Temp:
200°C

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.)

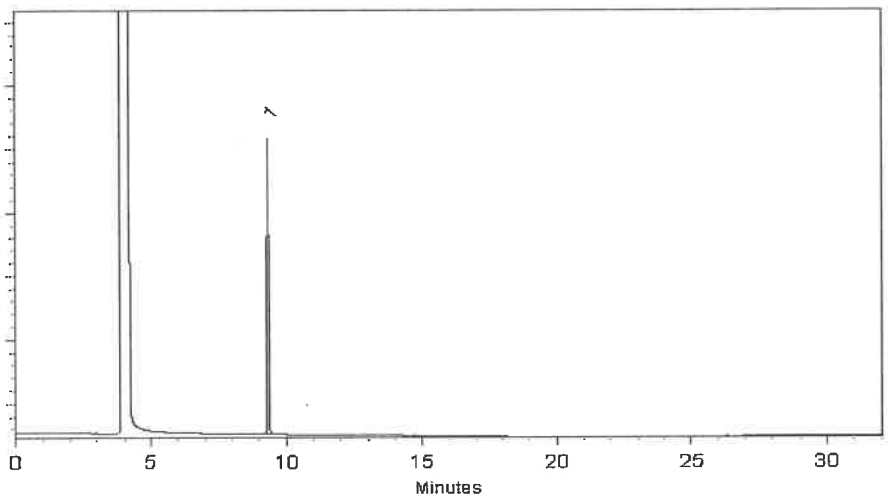
Inj. Temp:
200°C

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:

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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.

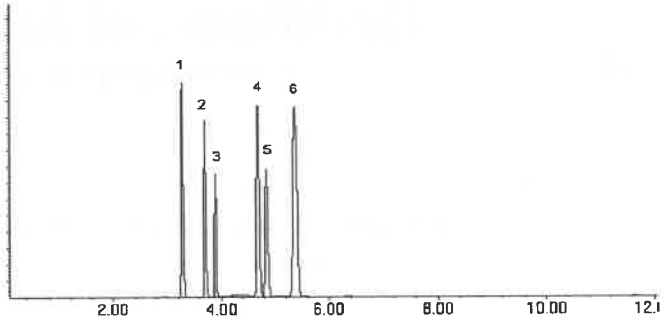
Inj. Temp:
200°C

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.
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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.

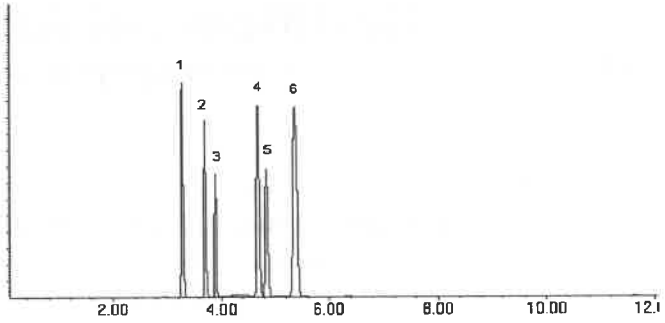
Inj. Temp:
200°C

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:

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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. : 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.

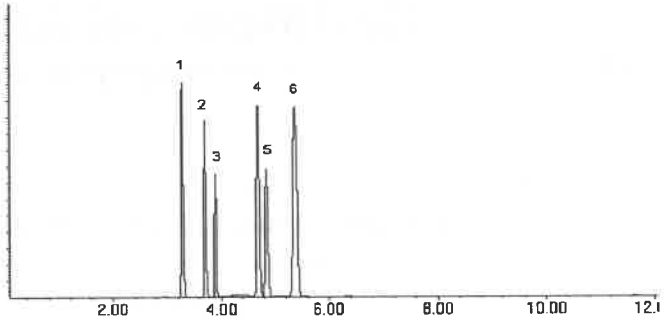
Inj. Temp:
200°C

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.
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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:

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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. : 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.

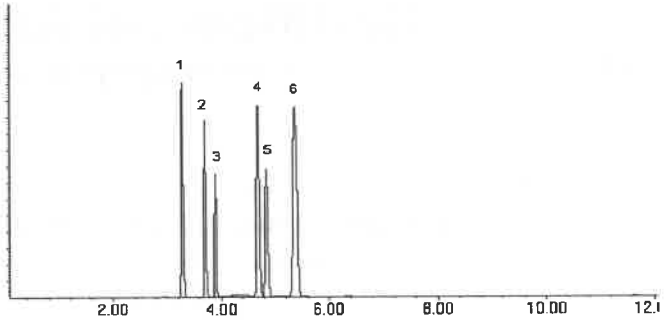
Inj. Temp:
200°C

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.
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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. : 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.)

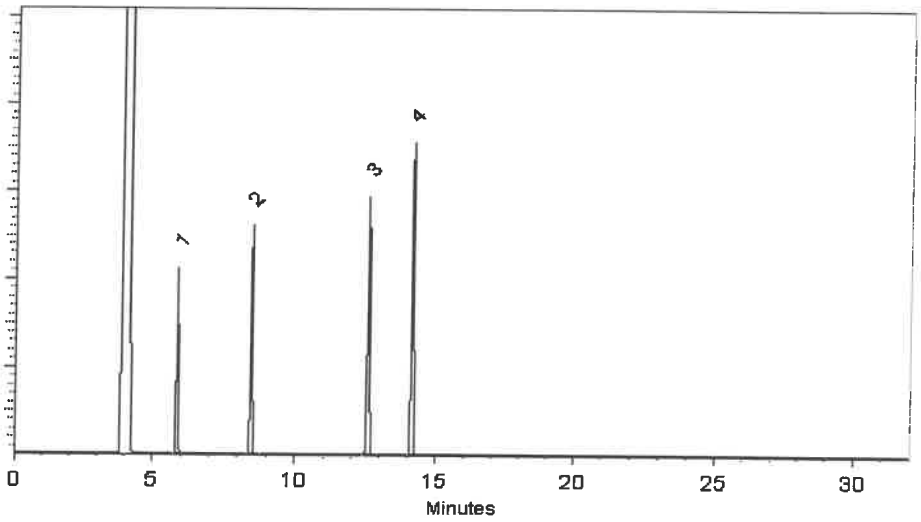
Inj. Temp:
200°C

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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

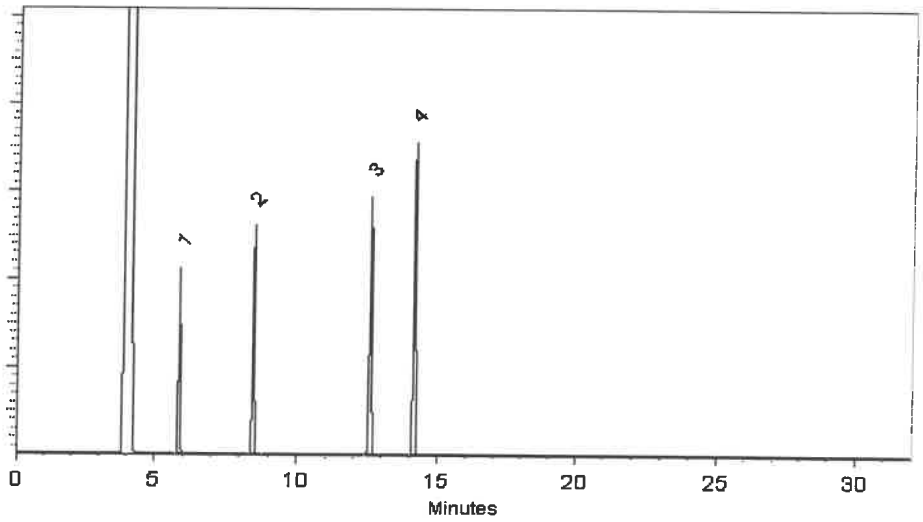
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

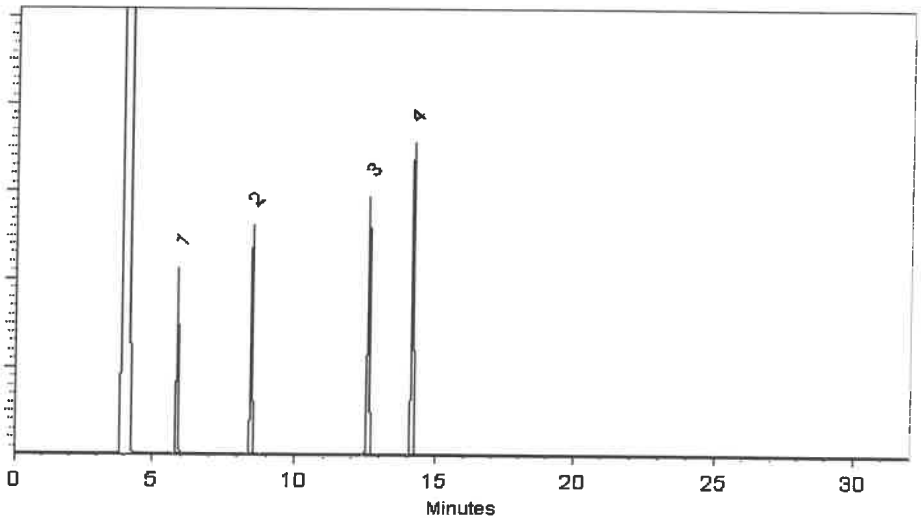
Inj. Temp:
200°C

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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
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4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

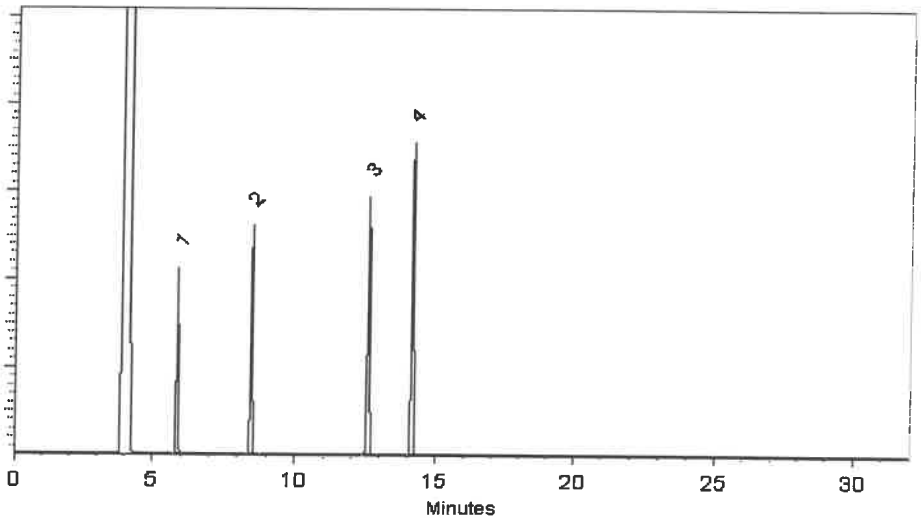
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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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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
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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.)

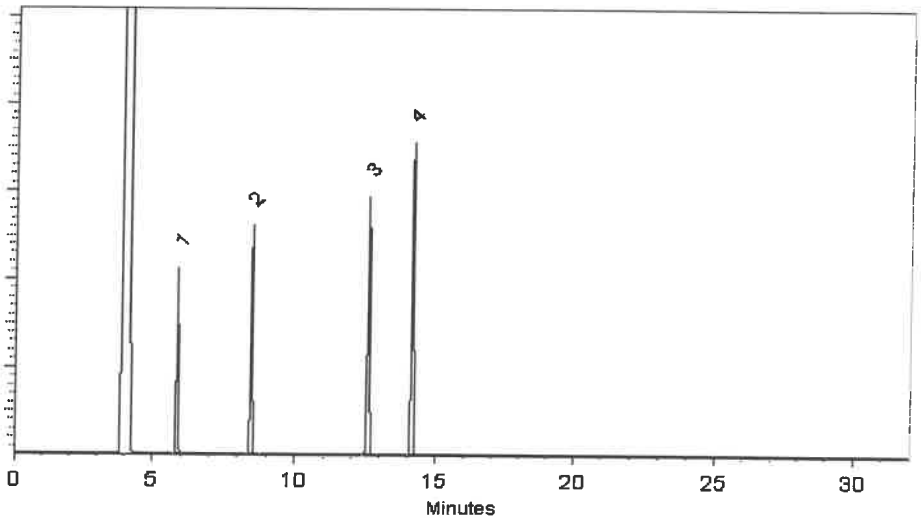
Inj. Temp:
200°C

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.
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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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 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.)

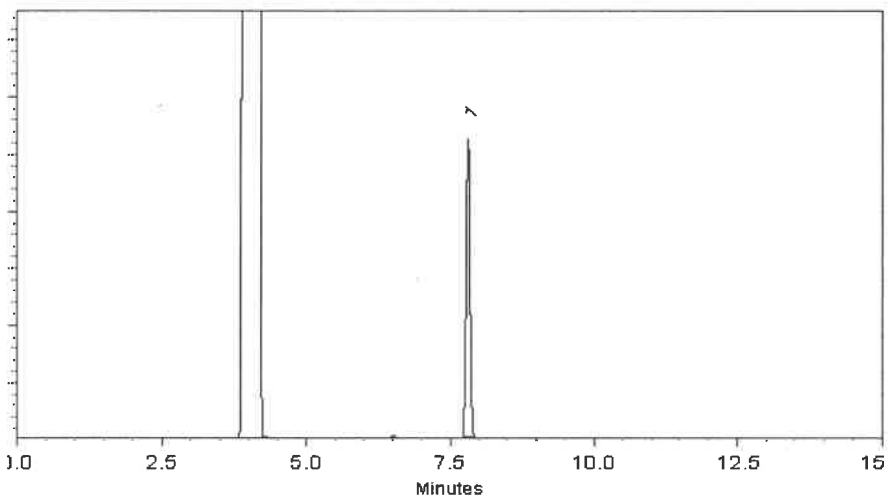
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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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:

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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.)

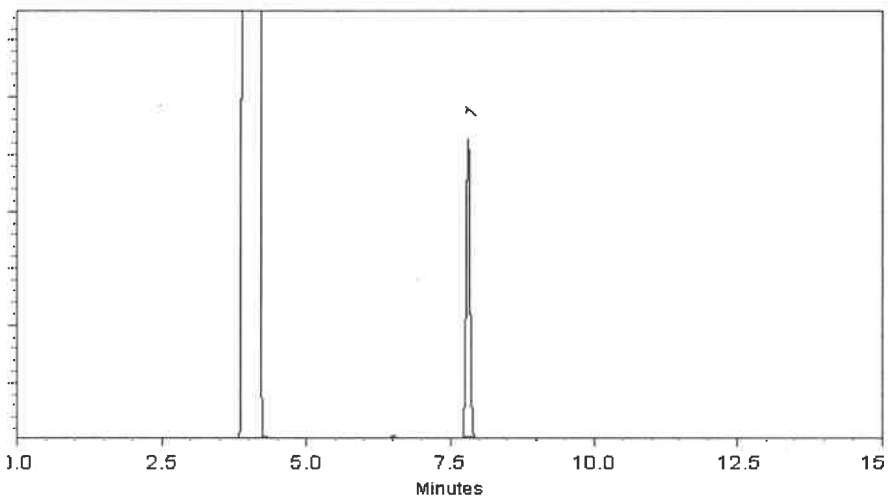
Inj. Temp:
200°C

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

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

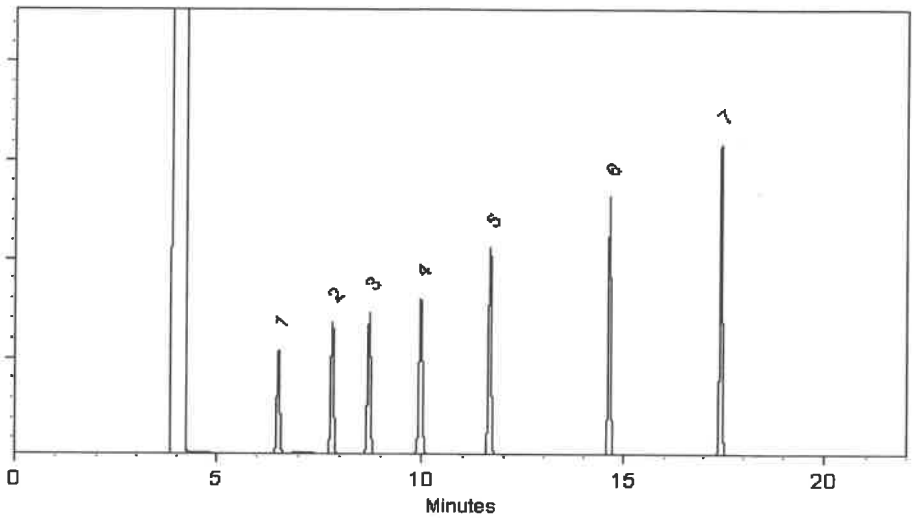
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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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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chromatographic plus

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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.)

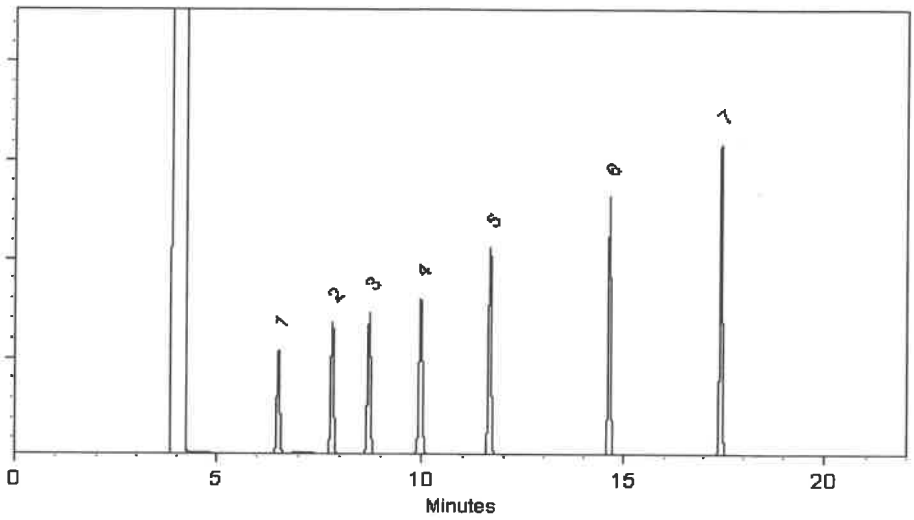
Inj. Temp:
200°C

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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

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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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.
- 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.

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

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 %
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Material No.: 9077-02
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Manufactured Date: 2022-10-26
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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: P4550

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-189	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: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 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
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)	1,4 Dioxane (522 PREC)						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-190-TB-20241022	QA		X	10/22/24	8:00	2	2										Trip Blank
2.	VPB190-HYD-20241023	QA		X	10/23/24	9:05	5	2	1	2								Hydrant Sample
3.	BP-VPB-190-EB-20241023	QA		X	10/23/24	11:05	2	2										Equipment Blank
4.	BP-VPB-190-GW-298-300	AQ		X	10/22/24	9:55	2	2										
5.	BP-VPB-190-GW-318-320	AQ		X	10/22/24	12:05	3	2	1									
6.	BP-VPB-190-GW-338-340	AQ		X	10/22/24	14:30	6	6										MS/MSD
7.	BP-VPB-190-GW-358-360	AQ		X	10/23/24	10:40	3	2	1									
8.	BP-VPB-190-GW-378-380	AQ		X	10/23/24	13:05	2	2										
9.	BP-VPB-190-GW-398-400	AQ		X	10/23/24	15:25	3	2	1									
10.	BP-VPB-190-GW-418-420	AQ		X	10/24/24	12:35	4	4										Collected extra vials due to high particulate matter

PRESERVATIVES — <-- Specify Preservatives: A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	10/24/24 15:30	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	10-24-2024 1905	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.9°c
MeOH extraction requires an additional 4oz. Jar for percent solid ☒ Ice in Cooler?: Yes

Comments: **48hr TAT** - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4550 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 5:50:00 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
P4550-01	BP-VPB-190-TB-20241022	Water	10/22/2024	08:00						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-02	~~BP-VPB-190-HYD-20241023~~ VPB190-HYD-20241028	Water	10/~~22~~23/2024	09:05						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-03	BP-VPB-190-EB-20241023	Water	10/~~22~~23/2024	11:05						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-04	BP-VPB-190-GW-298-300	Water	10/22/2024	09:55						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-05	BP-VPB-190-GW-318-320	Water	10/22/2024	12:05						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-06	BP-VPB-190-GW-338-340	Water	10/22/2024	14:30						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-07	P4550-06MS	Water	10/22/2024	14:30						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-08	P4550-06MSD	Water	10/22/2024	14:30						

10/29/24

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4550 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 5:50:00 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
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-09	BP-VPB-190-GW-358-360	Water	10/23/2024	10:40						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-10	BP-VPB-190-GW-378-380	Water	10/23/2024	13:05						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-11	BP-VPB-190-GW-398-400	Water	10/~~24~~23/2024	15:25						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4550-12	BP-VPB-190-GW-418-420	Water	10/24/2024	12:35						
					VOCMS Group1		8260-Low	2 Bus. Days		

Relinguished By :
Date / Time : 10/25/24 0900

Received By :
Date / Time : 10/25/24 0900

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	259018	90.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 181.600%#			
35) Dibromofluoromethane	8.165	113	200166	93.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 187.080%#			
50) Toluene-d8	10.565	98	772146	98.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.160%#			
62) 4-Bromofluorobenzene	12.847	95	289867	101.065	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 202.140%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	218015	95.796	ug/l	94
3) Chloromethane	2.359	50	238104	91.628	ug/l	98
4) Vinyl Chloride	2.512	62	234942	93.338	ug/l	99
5) Bromomethane	2.936	94	141604	85.288	ug/l	94
6) Chloroethane	3.112	64	144394	80.099	ug/l	92
7) Trichlorofluoromethane	3.495	101	366907	93.608	ug/l	98
8) Diethyl Ether	3.953	74	136436	93.854	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	208443	92.811	ug/l	99
10) Methyl Iodide	4.589	142	281269	97.248	ug/l	97
11) Tert butyl alcohol	5.518	59	194750	414.018	ug/l	99
12) 1,1-Dichloroethene	4.336	96	206863	95.491	ug/l	95
13) Acrolein	4.177	56	251811	466.304	ug/l	99
14) Allyl chloride	5.018	41	348108	92.526	ug/l	99
15) Acrylonitrile	5.712	53	533270	448.931	ug/l	99
16) Acetone	4.424	43	576139	470.138	ug/l	99
17) Carbon Disulfide	4.712	76	611042	89.090	ug/l	100
18) Methyl Acetate	5.018	43	233708	87.499	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	702366	96.061	ug/l	99
20) Methylene Chloride	5.277	84	228706	91.809	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	213704	94.160	ug/l	94
22) Diisopropyl ether	6.671	45	745614	95.811	ug/l	98
23) Vinyl Acetate	6.600	43	2895429	498.979	ug/l	99
24) 1,1-Dichloroethane	6.565	63	413523	95.021	ug/l	99
25) 2-Butanone	7.483	43	759354	454.946	ug/l	100
26) 2,2-Dichloropropane	7.488	77	378893	96.560	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	257696	93.962	ug/l	99
28) Bromochloromethane	7.812	49	181546	93.497	ug/l	100
29) Tetrahydrofuran	7.836	42	453342	440.124	ug/l	99
30) Chloroform	7.965	83	416595	92.156	ug/l	100
31) Cyclohexane	8.253	56	373445	88.380	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	383566	94.476	ug/l	98
36) 1,1-Dichloropropene	8.371	75	307616	98.969	ug/l	99
37) Ethyl Acetate	7.559	43	293597	92.073	ug/l	100
38) Carbon Tetrachloride	8.359	117	334398	98.077	ug/l	98
39) Methylcyclohexane	9.600	83	368299	106.466	ug/l	99
40) Benzene	8.606	78	931076	96.145	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	160270	92.581	ug/l		97
42) 1,2-Dichloroethane	8.671	62	311563	94.900	ug/l		100
43) Isopropyl Acetate	8.688	43	521814	83.581	ug/l		100
44) Trichloroethene	9.347	130	216678	95.798	ug/l		97
45) 1,2-Dichloropropane	9.618	63	224724	98.095	ug/l		97
46) Dibromomethane	9.706	93	154739	100.091	ug/l		99
47) Bromodichloromethane	9.888	83	338406	98.526	ug/l		99
48) Methyl methacrylate	9.677	41	244061	98.163	ug/l		99
49) 1,4-Dioxane	9.694	88	82854	1810.110	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	1456154	479.699	ug/l		100
52) Toluene	10.629	92	586544	99.324	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	365099	104.280	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	384030	101.975	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	205711	97.170	ug/l		97
56) Ethyl methacrylate	10.871	69	360916	103.608	ug/l		99
57) 1,3-Dichloropropane	11.165	76	360601	95.326	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	870416	538.640	ug/l		99
59) 2-Hexanone	11.194	43	1105736	487.363	ug/l		99
60) Dibromochloromethane	11.359	129	249435	99.721	ug/l		98
61) 1,2-Dibromoethane	11.465	107	212705	96.694	ug/l		100
64) Tetrachloroethene	11.100	164	186069	92.608	ug/l		99
65) Chlorobenzene	11.888	112	616423	96.376	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	212695	96.546	ug/l		99
67) Ethyl Benzene	11.959	91	1146786	101.385	ug/l		98
68) m/p-Xylenes	12.071	106	855381	204.437	ug/l		100
69) o-Xylene	12.394	106	412098	104.101	ug/l		99
70) Styrene	12.412	104	711855	106.165	ug/l		99
71) Bromoform	12.576	173	162862	100.412	ug/l	#	97
73) Isopropylbenzene	12.694	105	1067798	97.936	ug/l		100
74) N-amyl acetate	12.494	43	467641	94.716	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	286161	87.285	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	399963	140.449	ug/l		64
77) Bromobenzene	12.982	156	243075	92.425	ug/l		100
78) n-propylbenzene	13.035	91	1285399	101.754	ug/l		99
79) 2-Chlorotoluene	13.123	91	770341	95.567	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	905999	101.869	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	116289	95.579	ug/l		98
82) 4-Chlorotoluene	13.218	91	790045	97.362	ug/l		100
83) tert-Butylbenzene	13.435	119	785331	99.349	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	913037	101.908	ug/l		99
85) sec-Butylbenzene	13.612	105	1082055	102.580	ug/l		100
86) p-Isopropyltoluene	13.729	119	918730	105.328	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	463998	94.046	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	465087	93.346	ug/l		99
89) n-Butylbenzene	14.053	91	832034	105.197	ug/l		99
90) Hexachloroethane	14.329	117	168712	95.289	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	444319	91.843	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	59837	88.446	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	245477	103.017	ug/l		99
94) Hexachlorobutadiene	15.500	225	105801	89.034	ug/l		98
95) Naphthalene	15.635	128	784876	99.356	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	233126	97.736	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

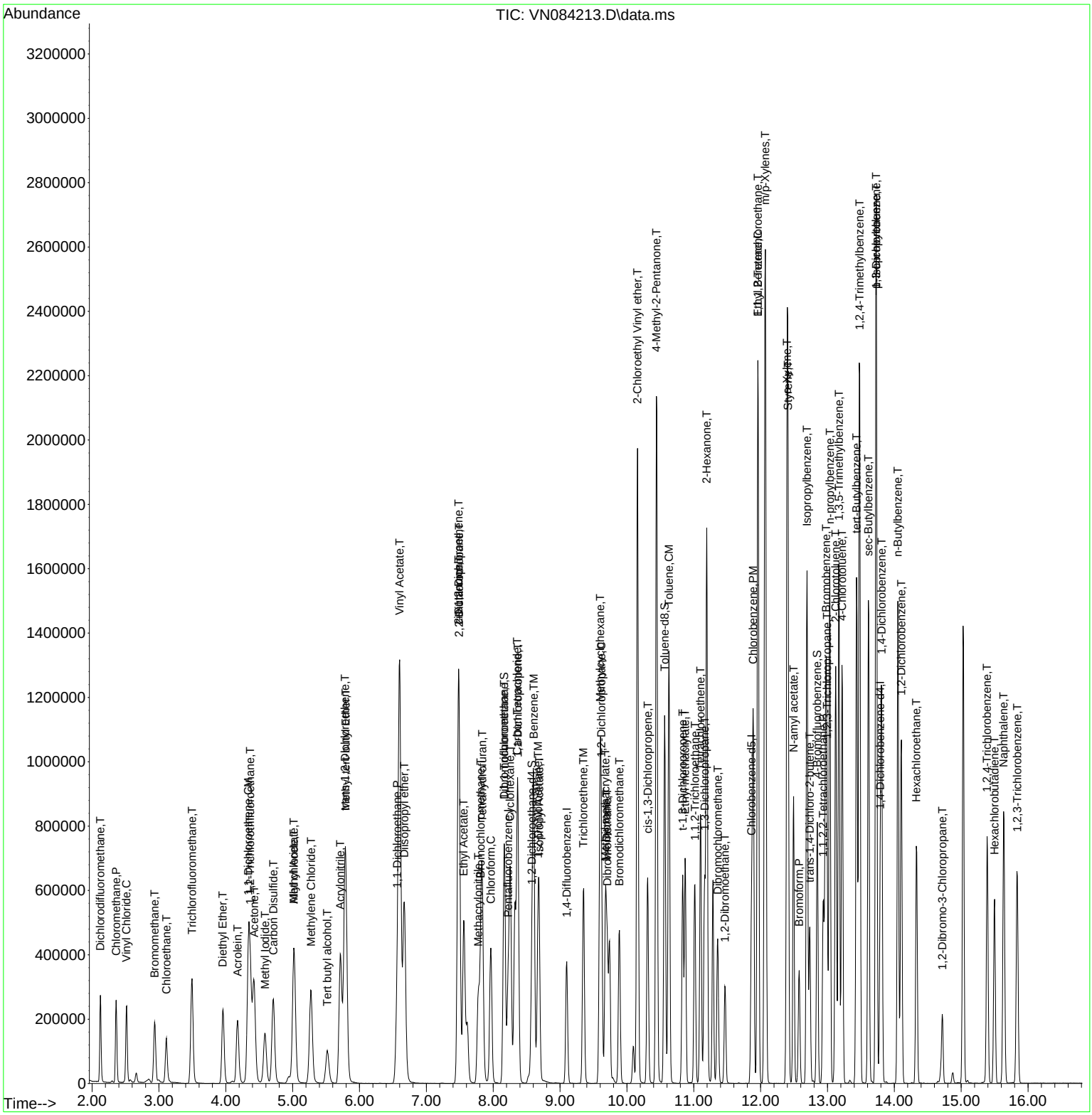
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

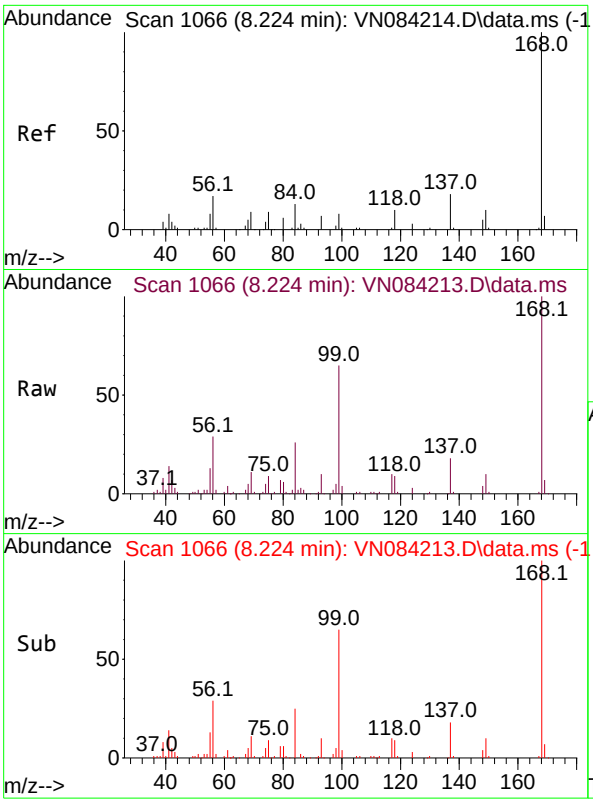
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



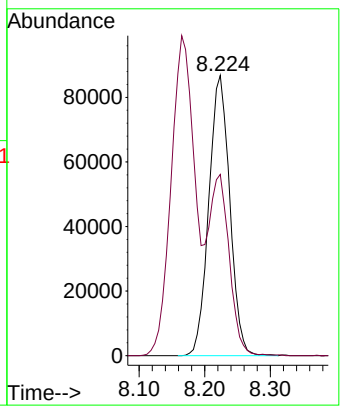


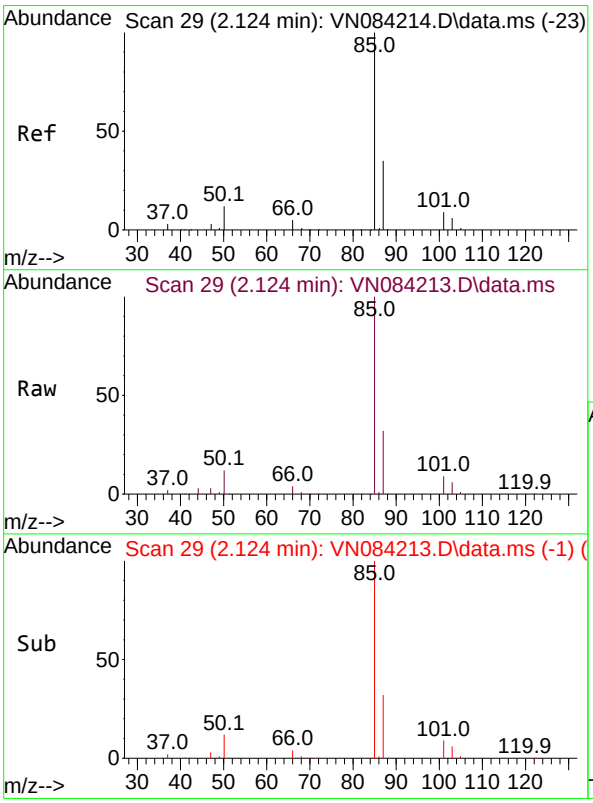
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 192402

Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2

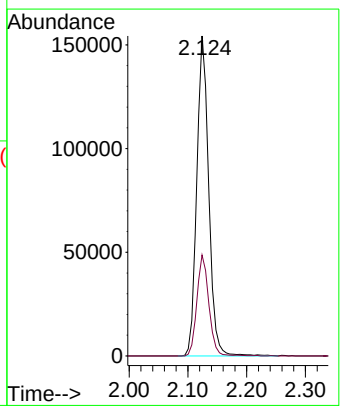


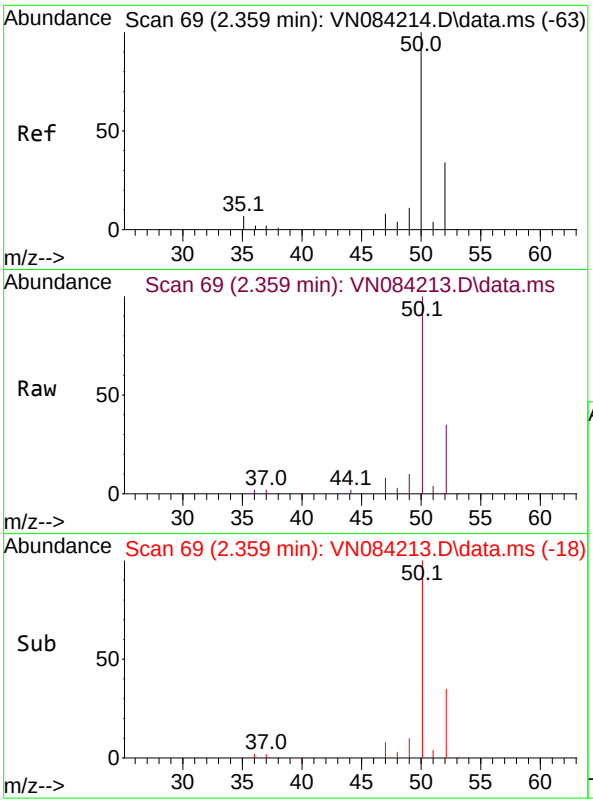


#2
Dichlorodifluoromethane
Concen: 95.796 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 85 Resp: 218015

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9



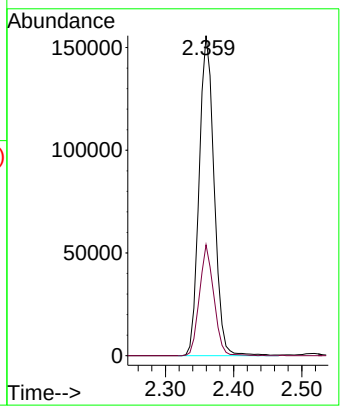


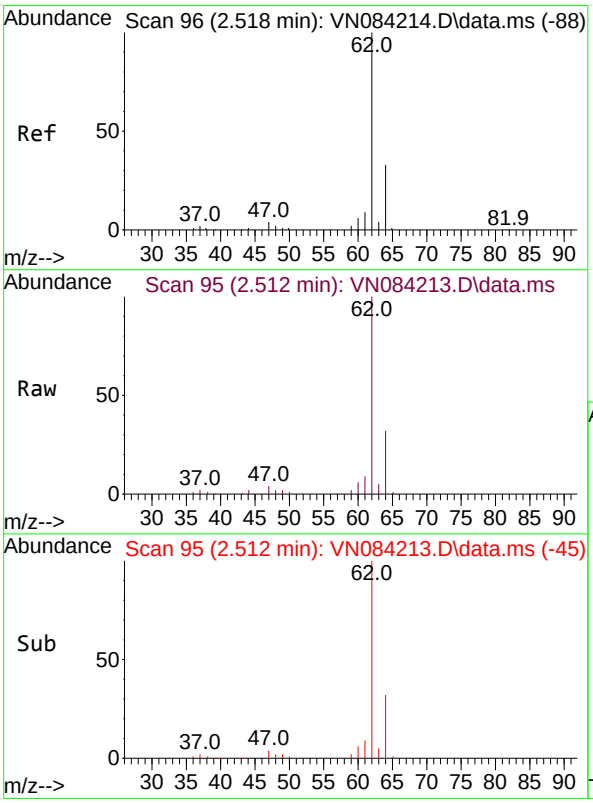
#3
Chloromethane
Concen: 91.628 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 238104

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2

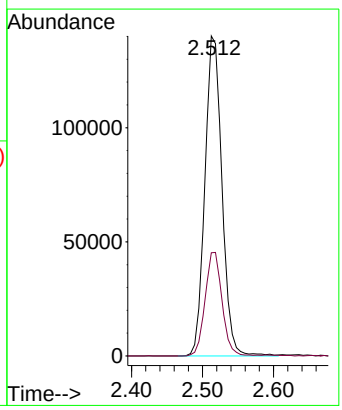


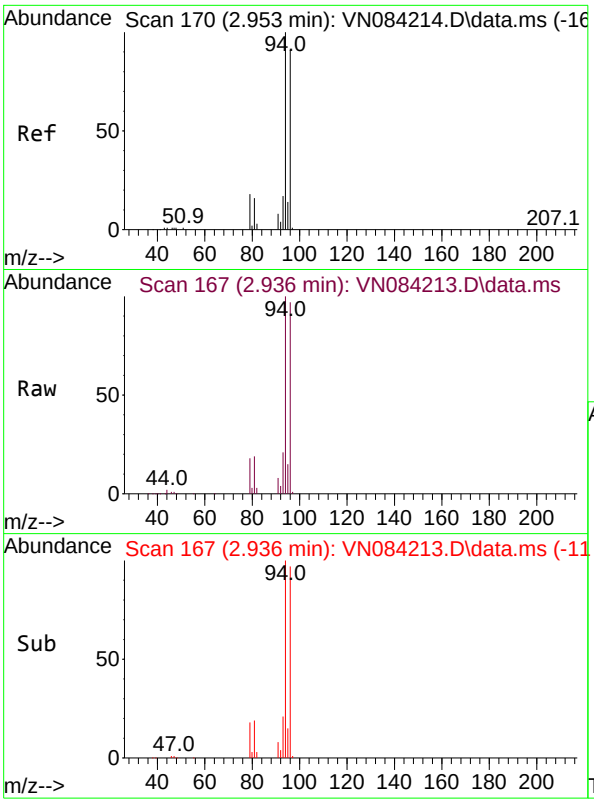


#4
Vinyl Chloride
Concen: 93.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 234942

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4



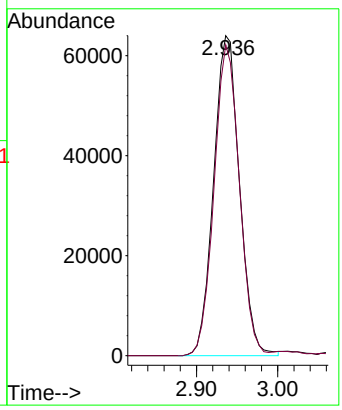


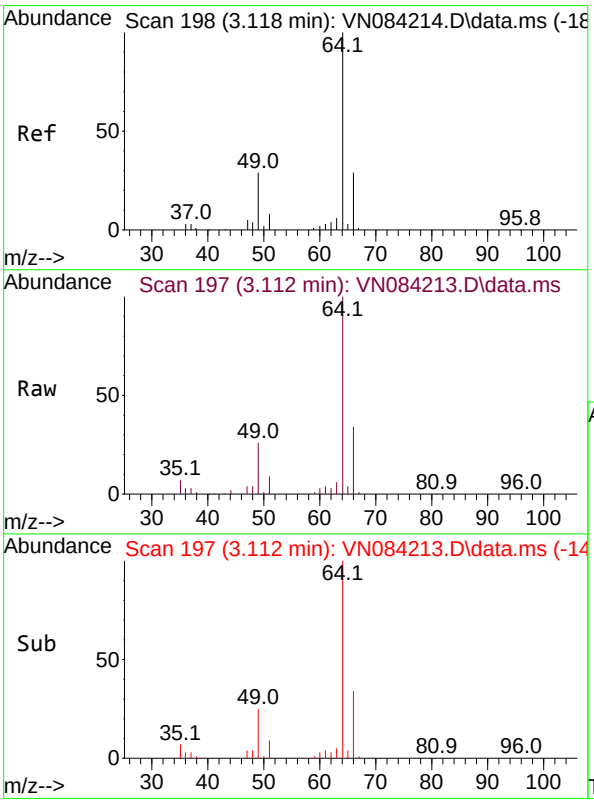
#5
Bromomethane
Concen: 85.288 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 141604

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.9	109.3

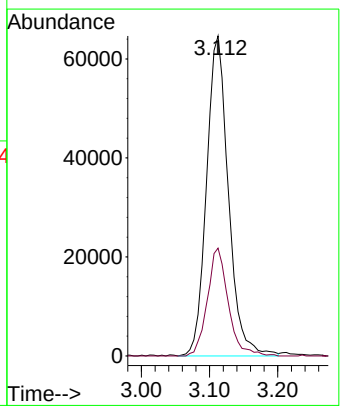


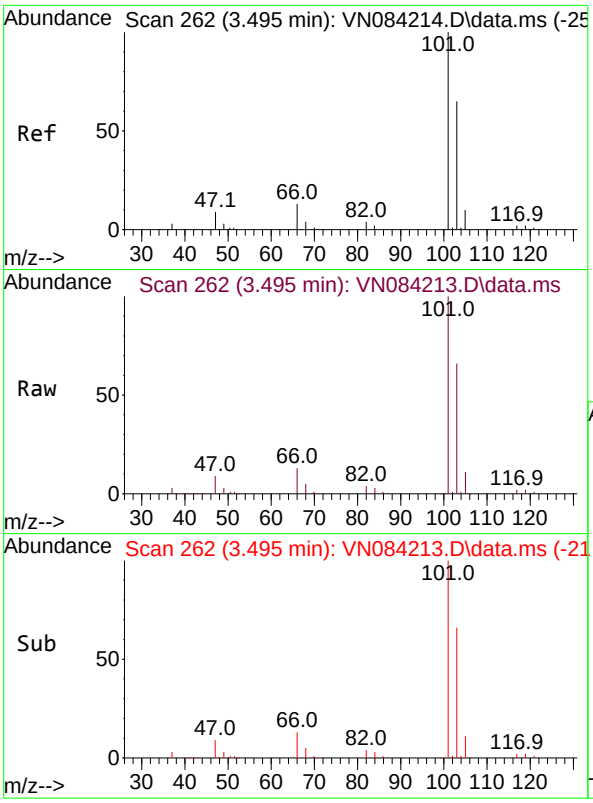


#6
Chloroethane
Concen: 80.099 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 64 Resp: 144394

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3



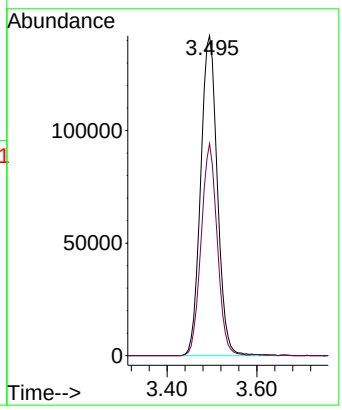


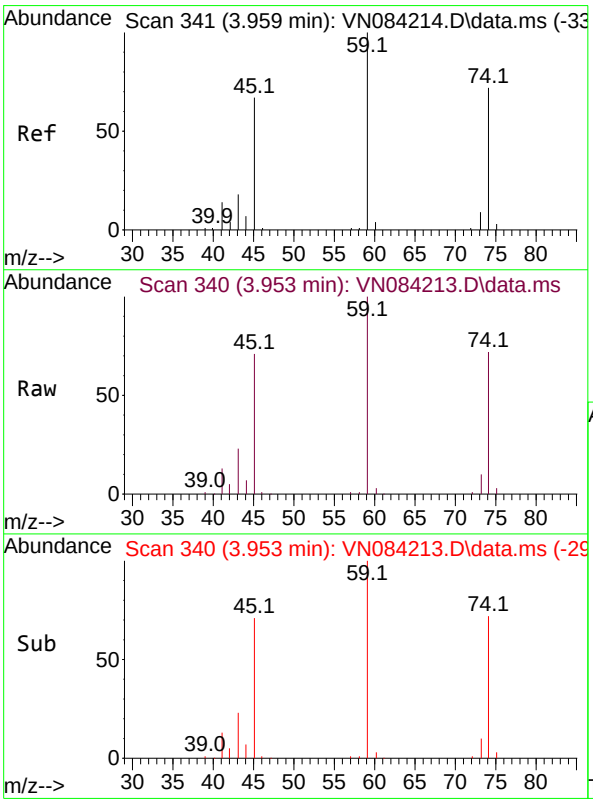
#7
Trichlorofluoromethane
Concen: 93.608 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 366907

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

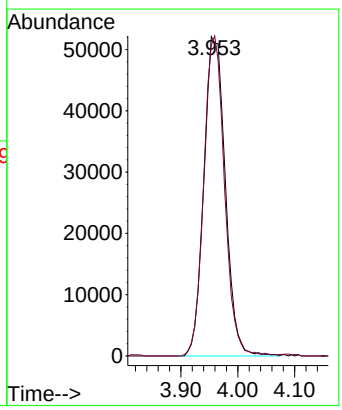


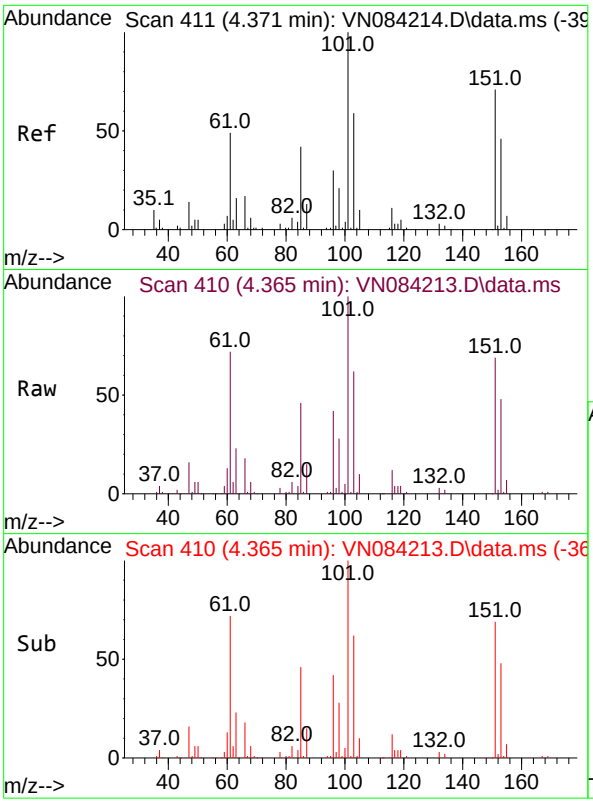


#8
Diethyl Ether
Concen: 93.854 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 74 Resp: 136436

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1



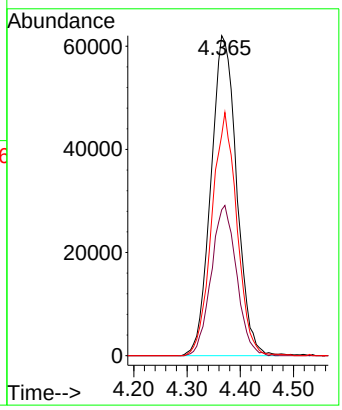


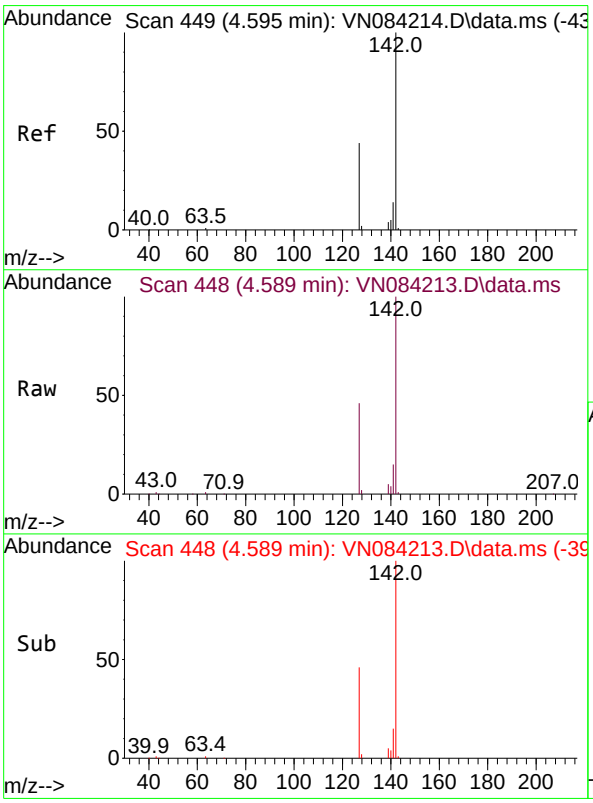
#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.811 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 208443

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	74.1	59.3	88.9

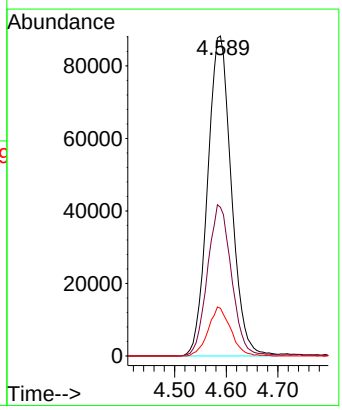


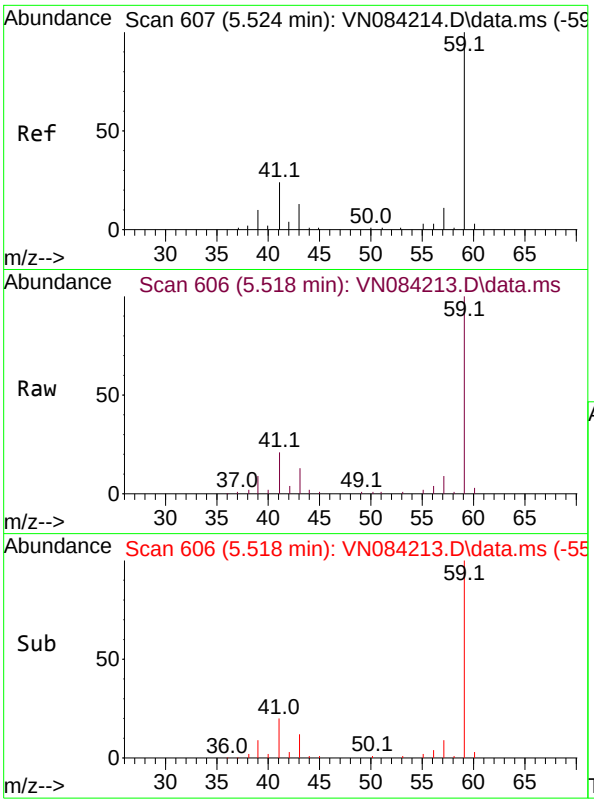


#10
Methyl Iodide
Concen: 97.248 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:142 Resp: 281269

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.3	52.9
141	14.9	11.0	16.6



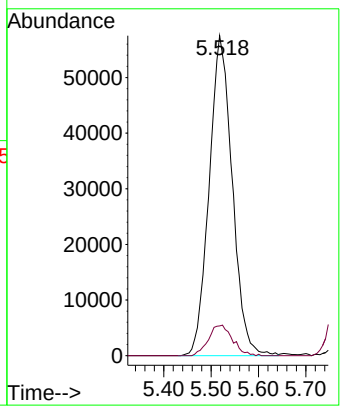


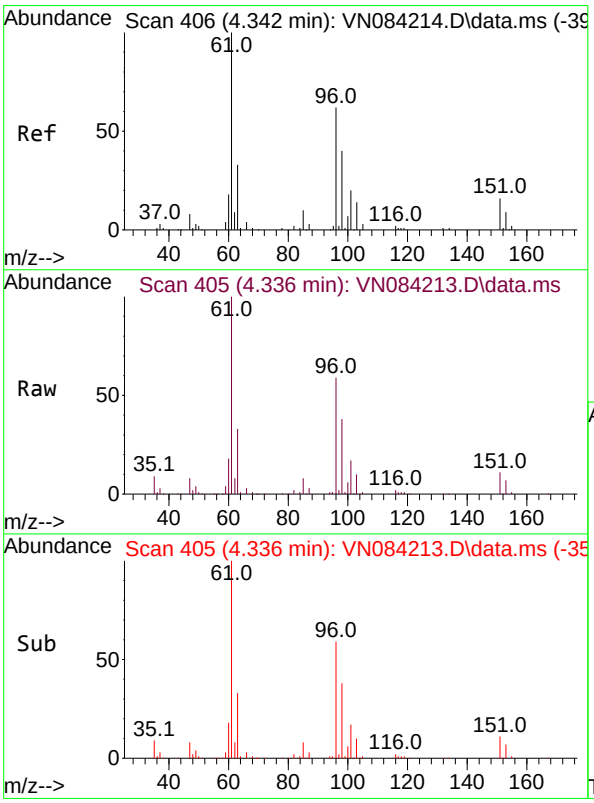
#11
Tert butyl alcohol
Concen: 414.018 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 194750

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

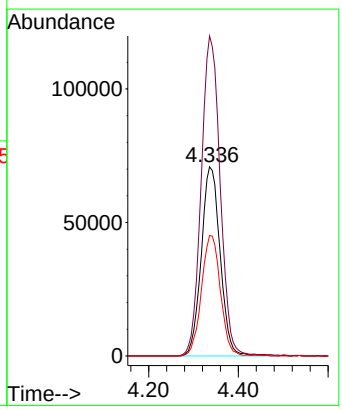


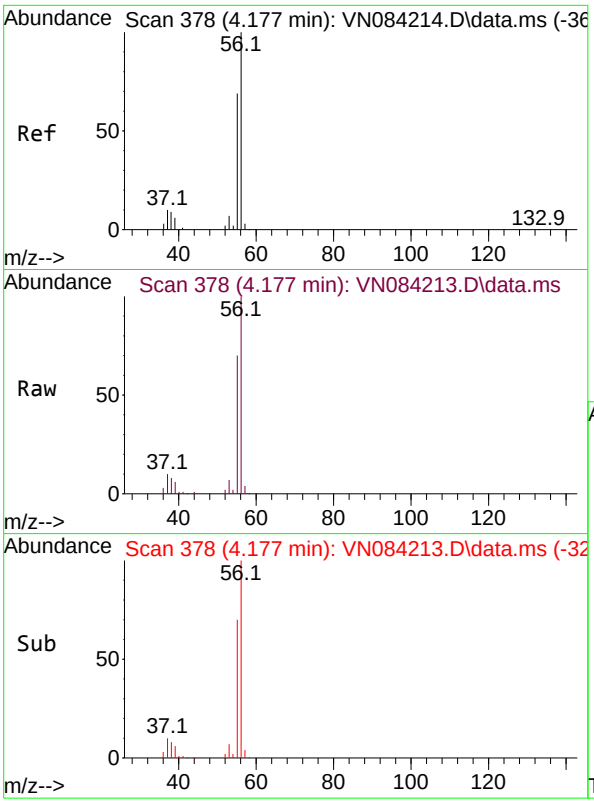


#12
1,1-Dichloroethene
Concen: 95.491 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 206863

Ion	Ratio	Lower	Upper
96	100		
61	169.2	128.6	192.8
98	63.7	51.7	77.5



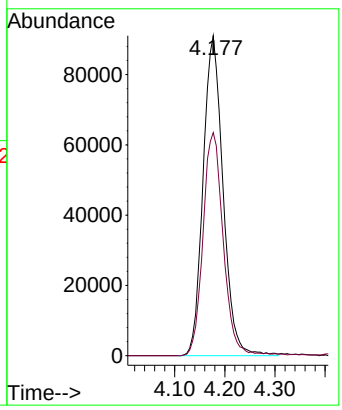


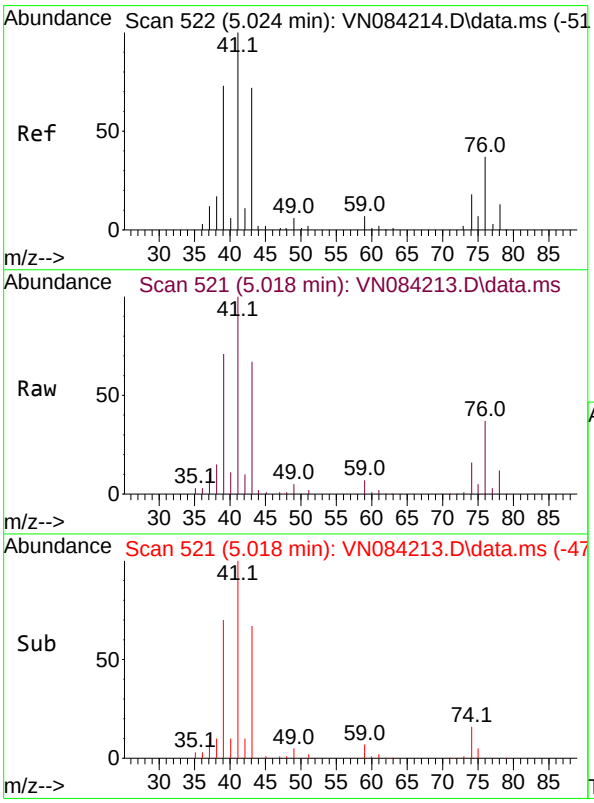
#13
Acrolein
Concen: 466.304 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 251811

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8

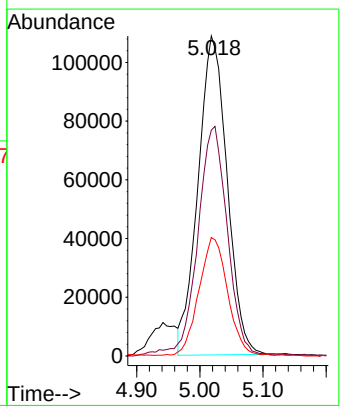


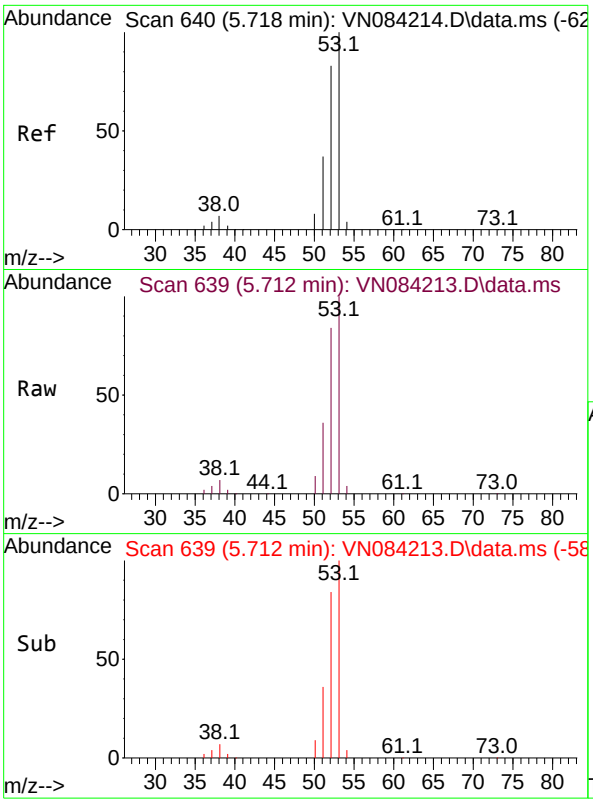


#14
Allyl chloride
Concen: 92.526 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 348108

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.0	88.6
76	36.4	29.8	44.6



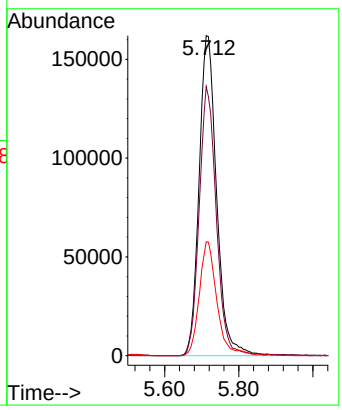


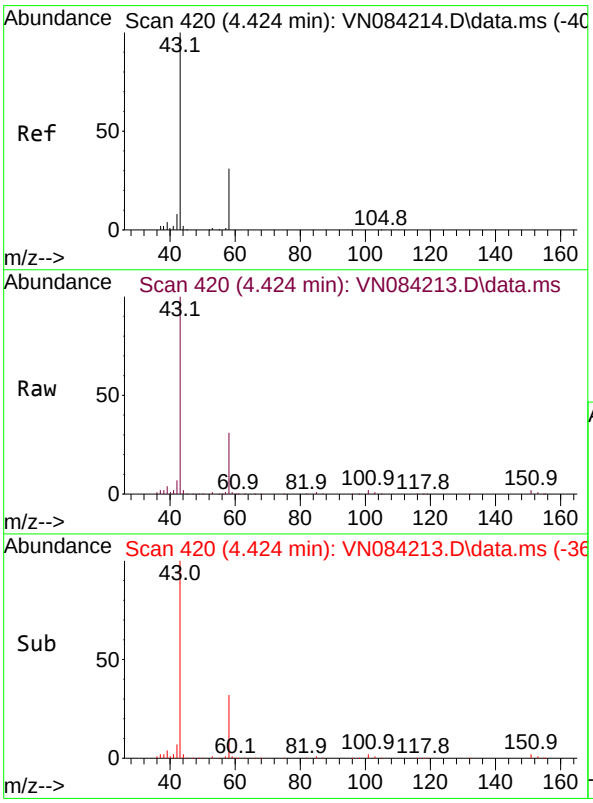
#15
Acrylonitrile
Concen: 448.931 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 533270

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.6	28.8	43.2

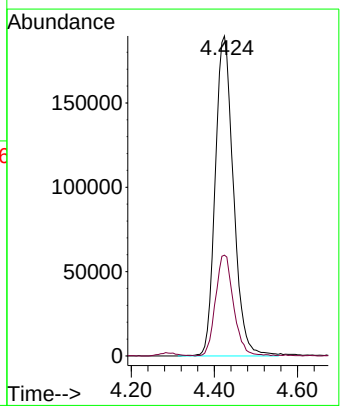


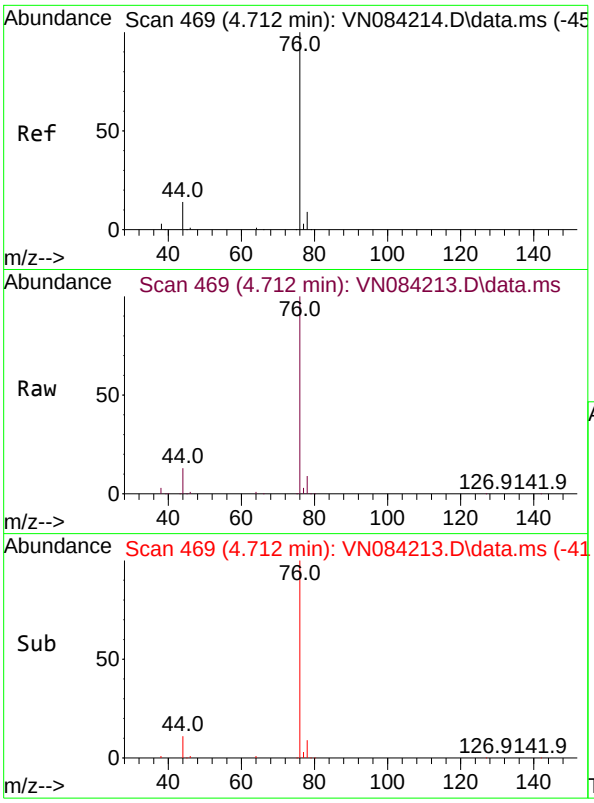


#16
Acetone
Concen: 470.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 576139

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6



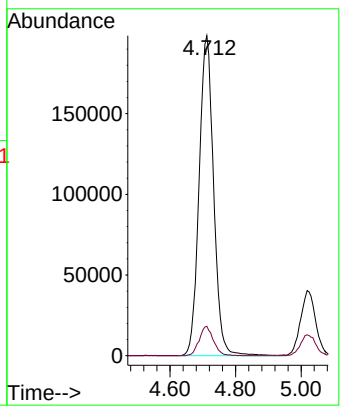


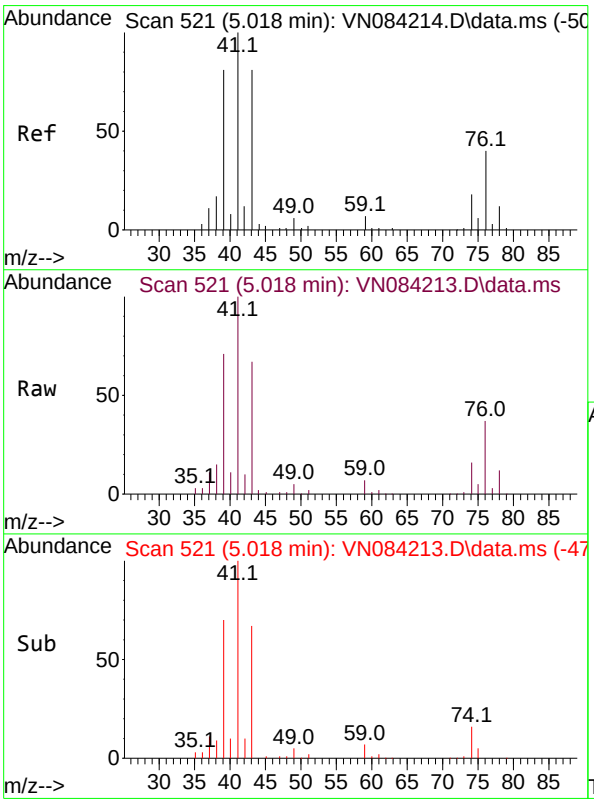
#17
Carbon Disulfide
Concen: 89.090 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 611042

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

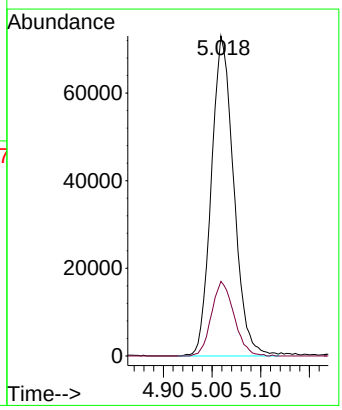


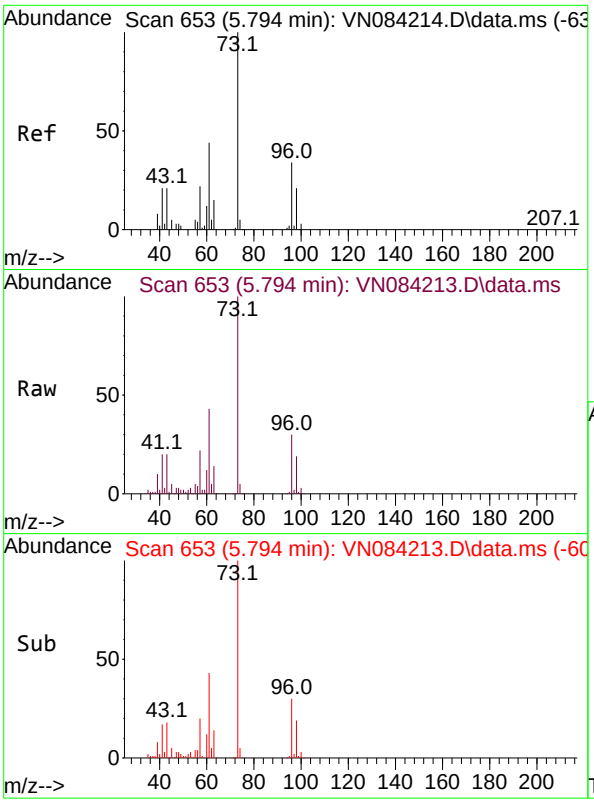


#18
Methyl Acetate
Concen: 87.499 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 233708

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8



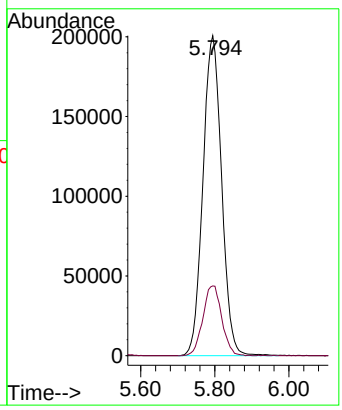


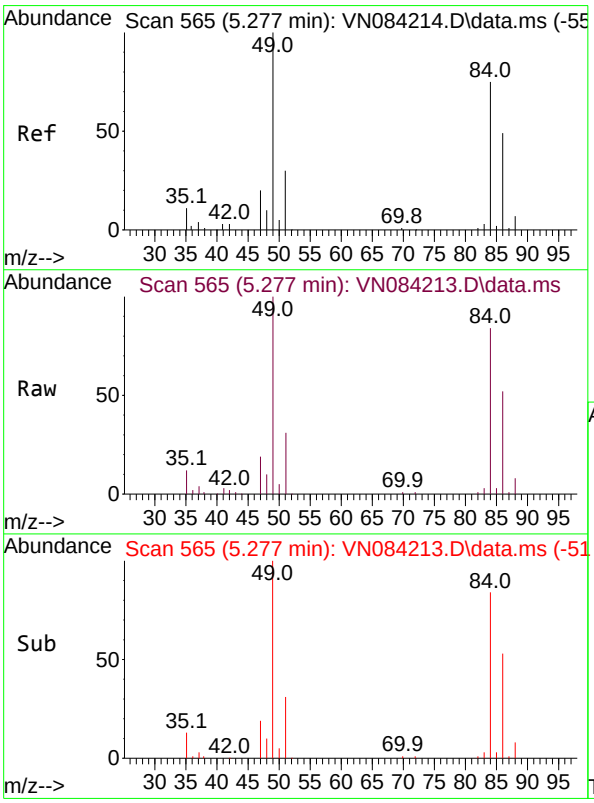
#19
Methyl tert-butyl Ether
Concen: 96.061 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 702366

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

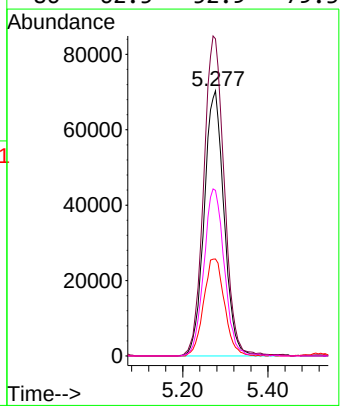


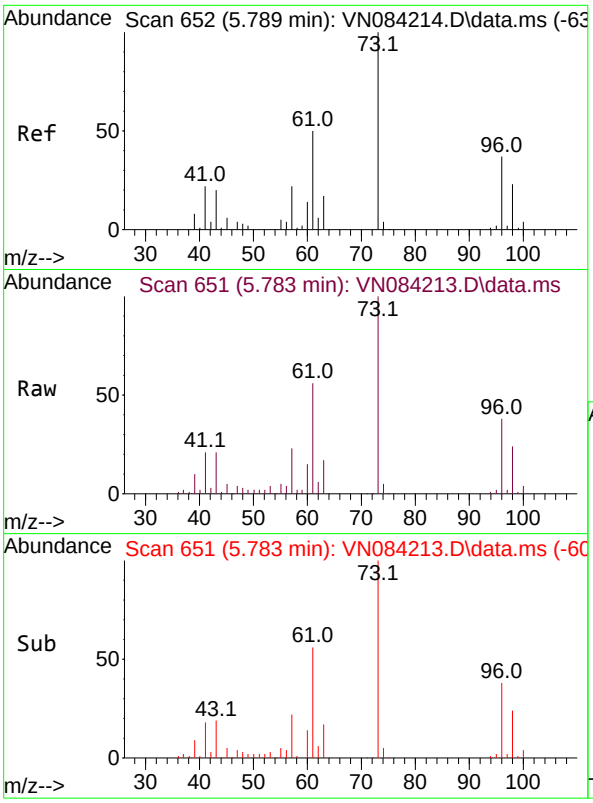


#20
Methylene Chloride
Concen: 91.809 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 84 Resp: 228706

Ion	Ratio	Lower	Upper
84	100		
49	119.6	107.2	160.8
51	36.6	31.8	47.8
86	62.5	52.9	79.3



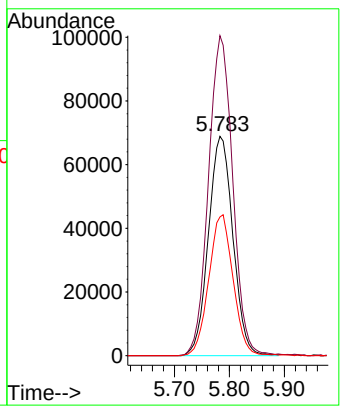


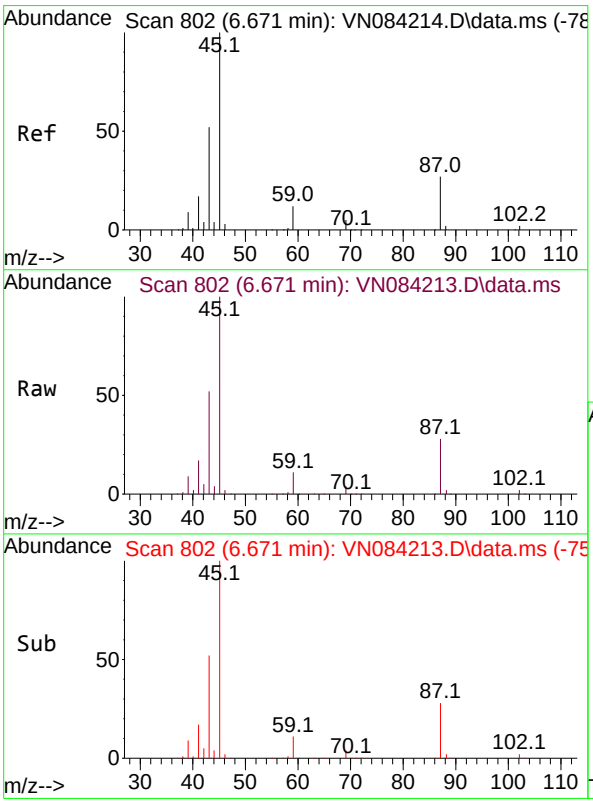
#21
trans-1,2-Dichloroethene
Concen: 94.160 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 213704

Ion	Ratio	Lower	Upper
96	100		
61	145.8	108.4	162.6
98	63.2	49.8	74.8

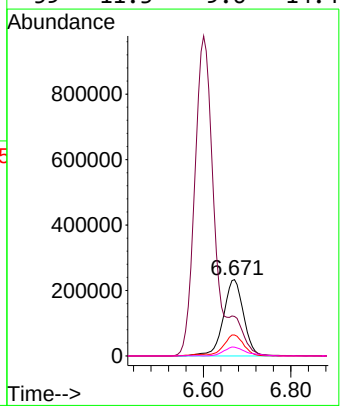


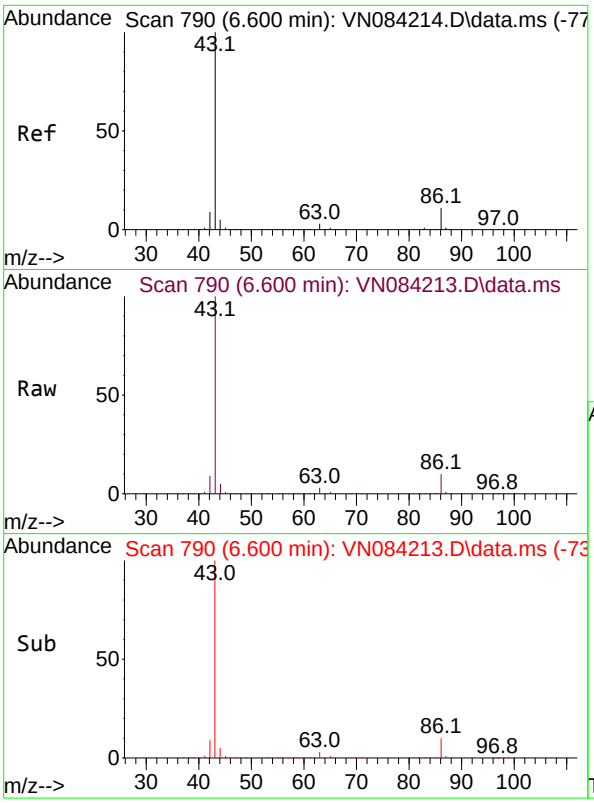


#22
Diisopropyl ether
Concen: 95.811 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 45 Resp: 745614

Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.3	63.5
87	27.4	21.8	32.6
59	11.3	9.6	14.4



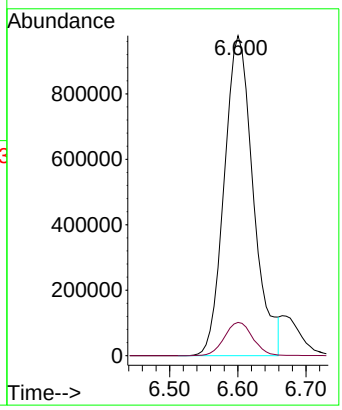


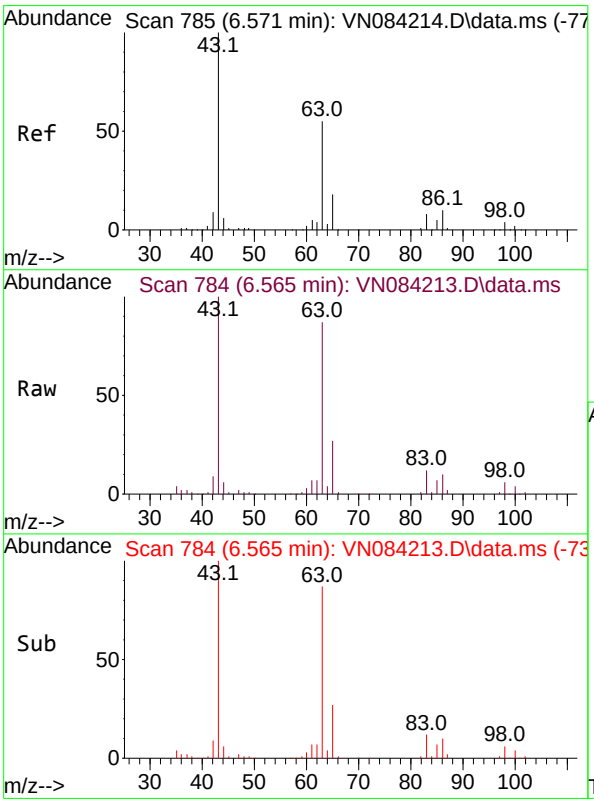
#23
Vinyl Acetate
Concen: 498.979 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2895429

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

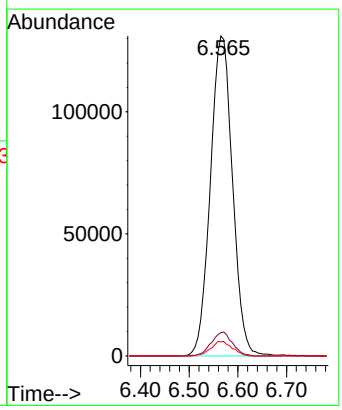


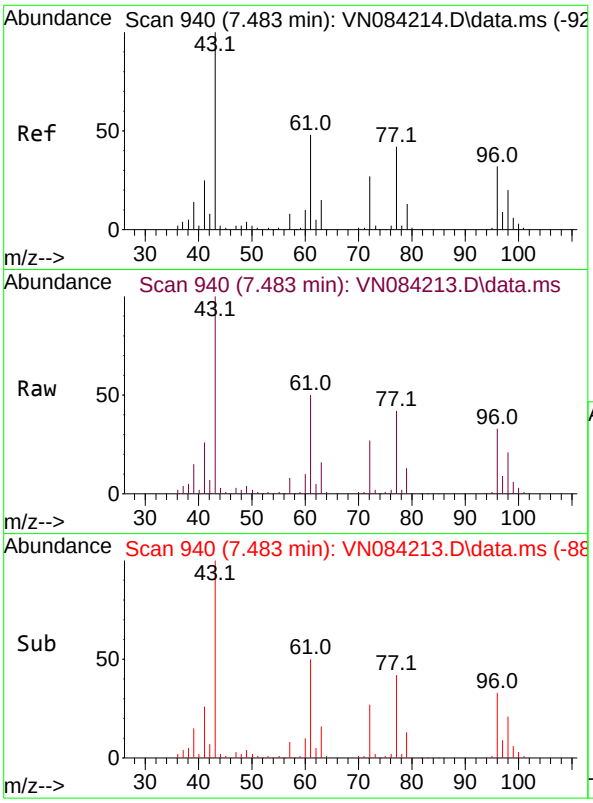


#24
1,1-Dichloroethane
Concen: 95.021 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 413523

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.4	2.0	5.8



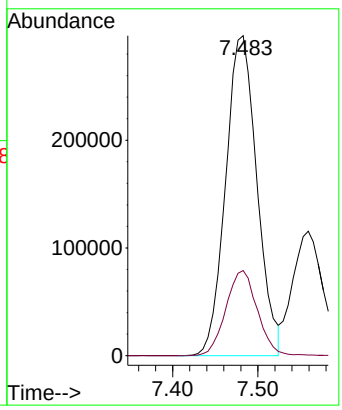


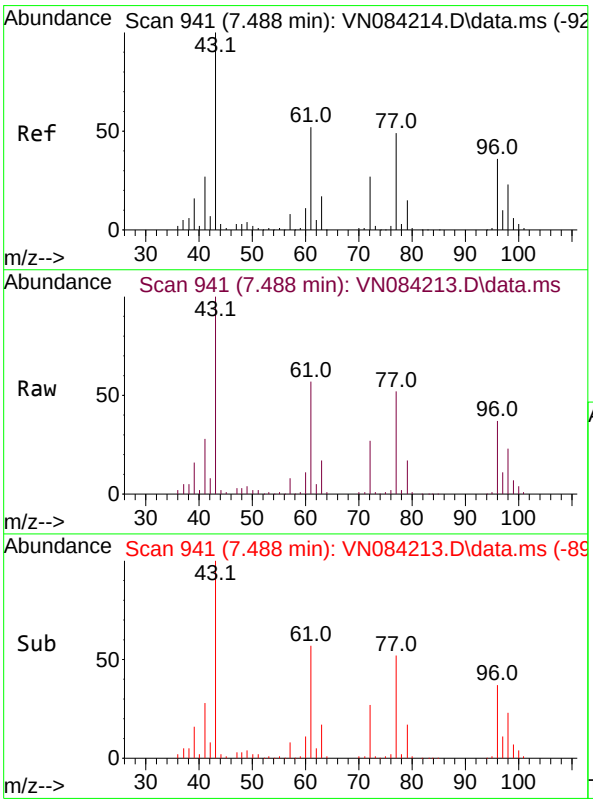
#25
2-Butanone
Concen: 454.946 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 759354

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2

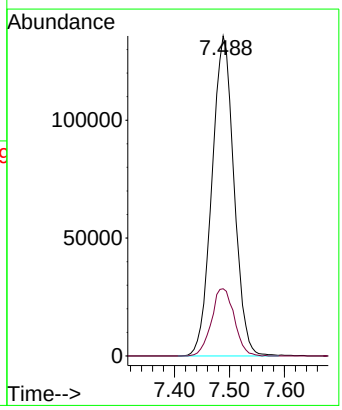


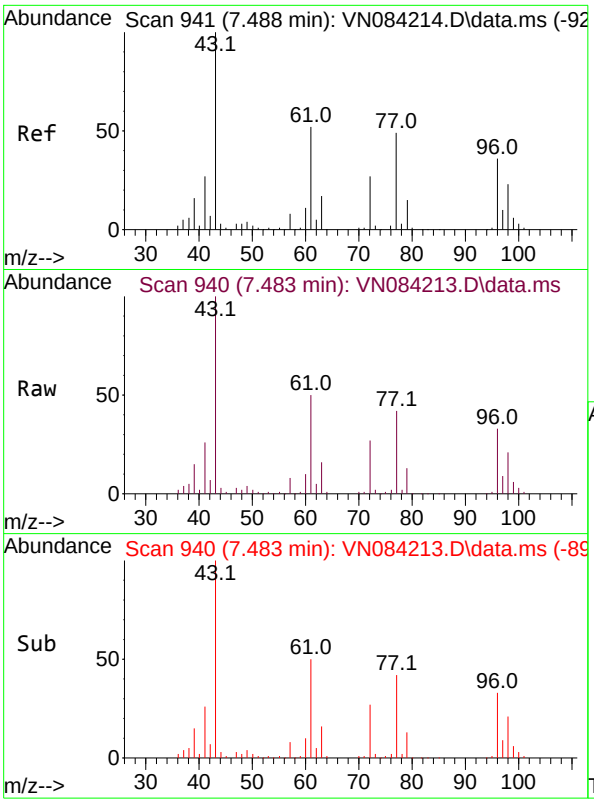


#26
2,2-Dichloropropane
Concen: 96.560 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 77 Resp: 378893

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



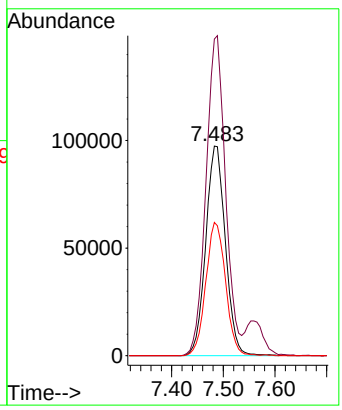


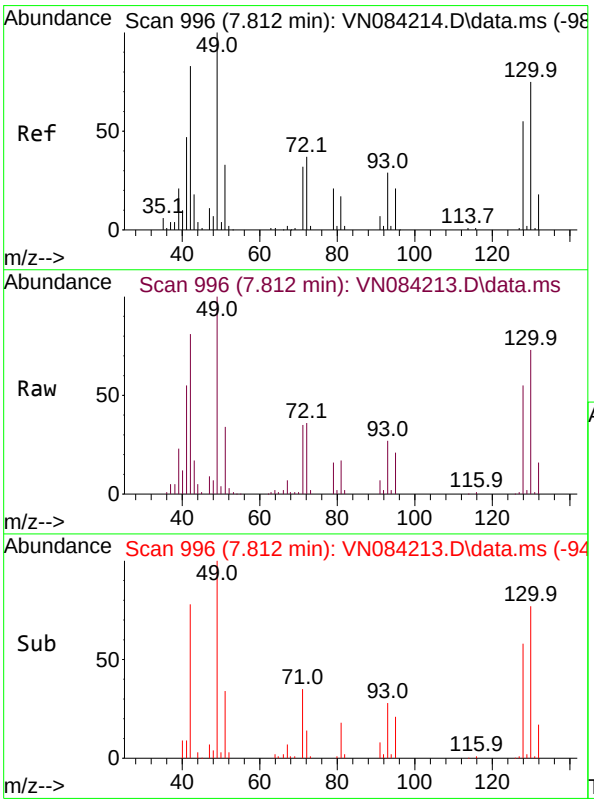
#27
cis-1,2-Dichloroethene
Concen: 93.962 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 257696

Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	301.8
98	63.8	0.0	128.2

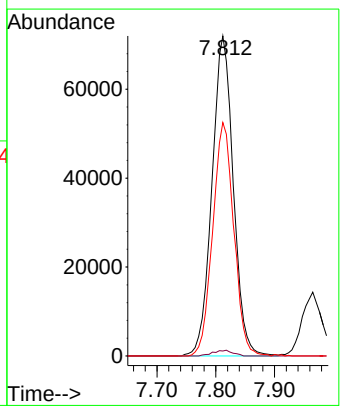


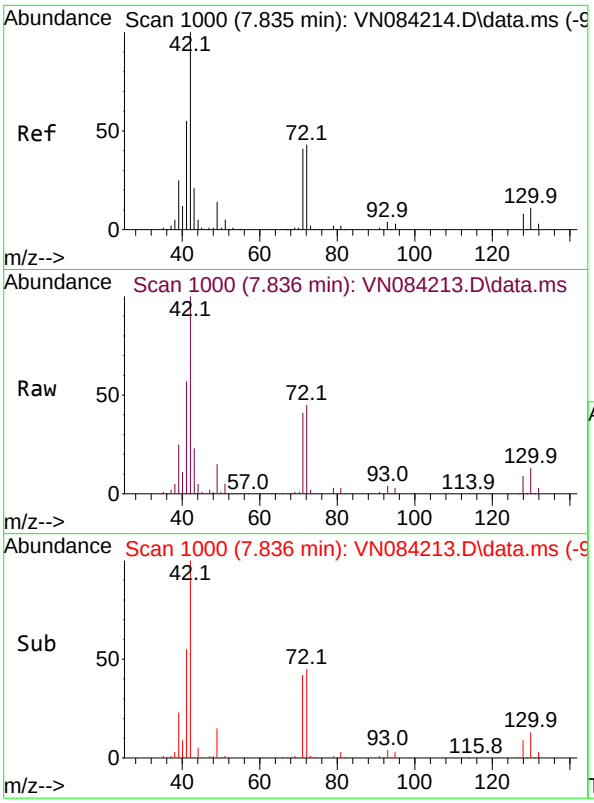


#28
Bromochloromethane
Concen: 93.497 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 49 Resp: 181546

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	72.1	58.0	87.0



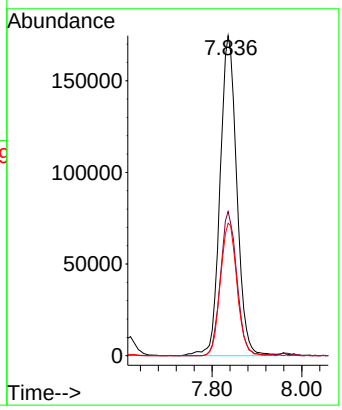


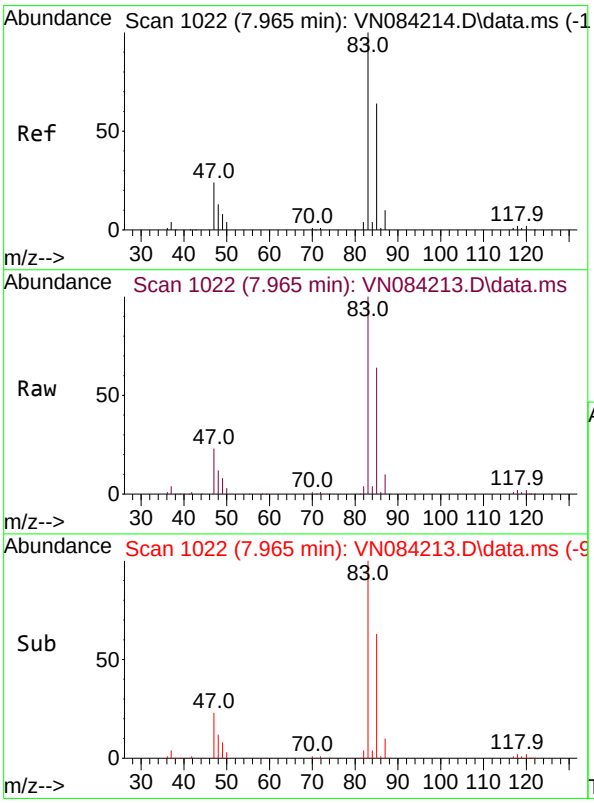
#29
Tetrahydrofuran
Concen: 440.124 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 453342

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	41.2	32.2	48.4

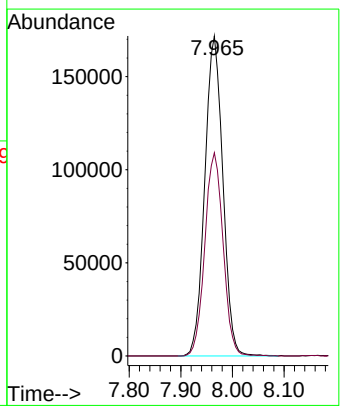


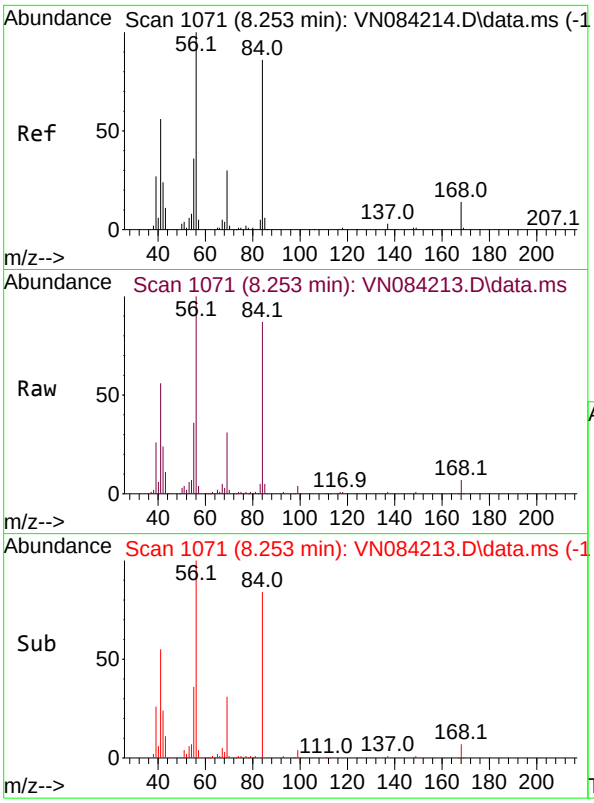


#30
Chloroform
Concen: 92.156 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 416595

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4



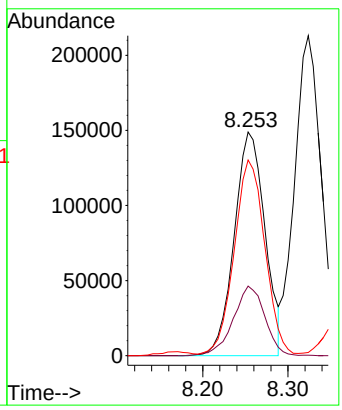


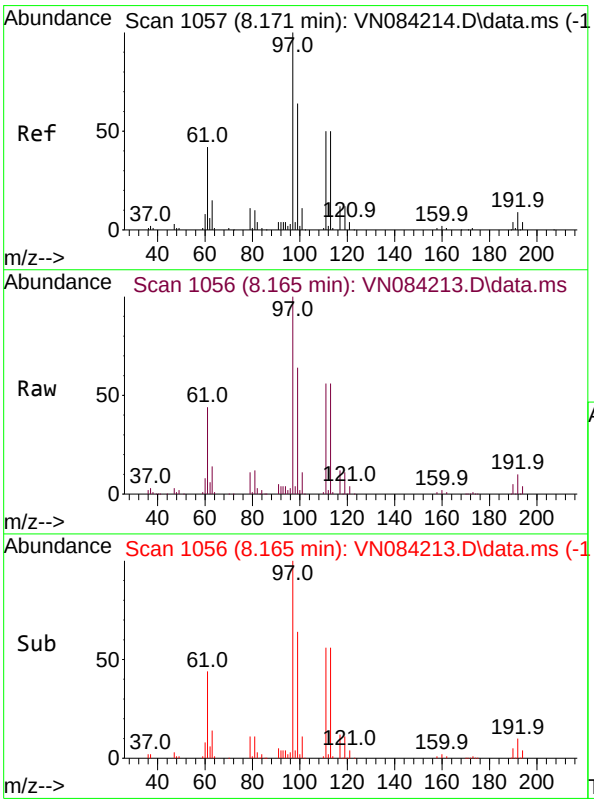
#31
Cyclohexane
Concen: 88.380 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 373445

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	85.7	68.8	103.2

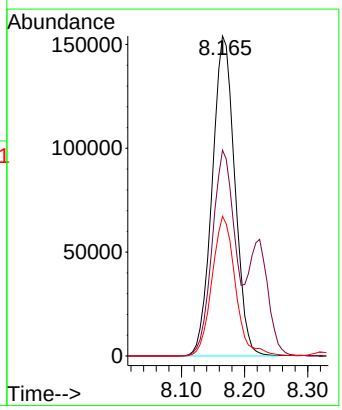


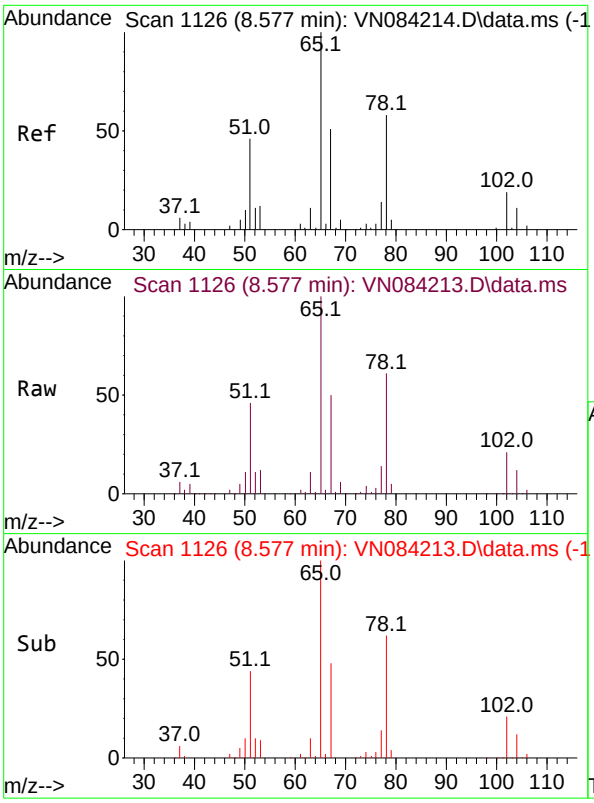


#32
1,1,1-Trichloroethane
Concen: 94.476 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 97 Resp: 383566

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	45.2	37.5	56.3



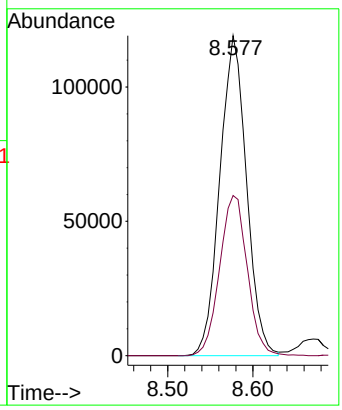


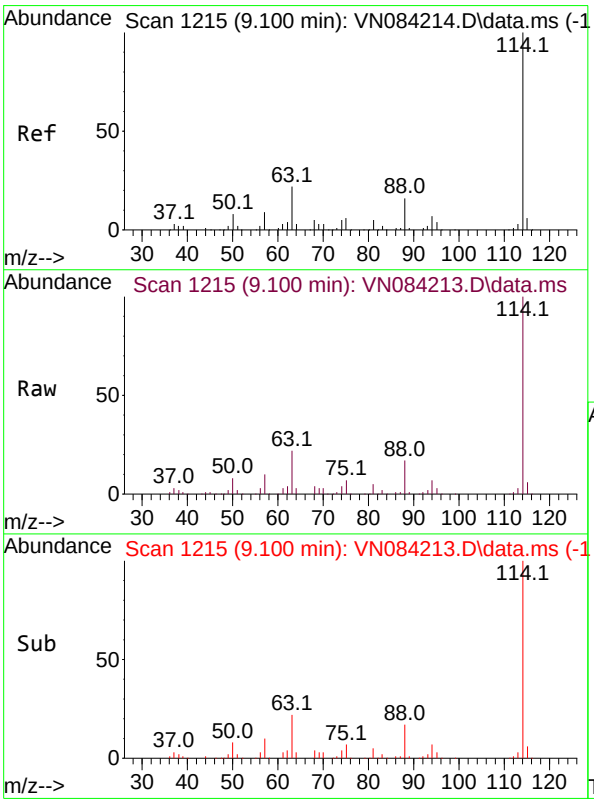
#33
1,2-Dichloroethane-d4
Concen: 90.797 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 259018

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0

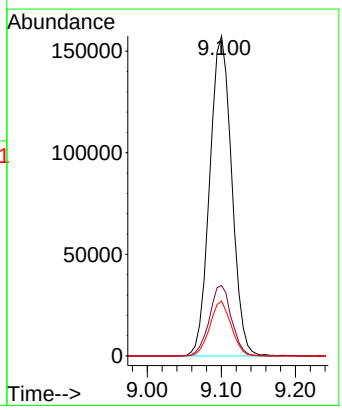


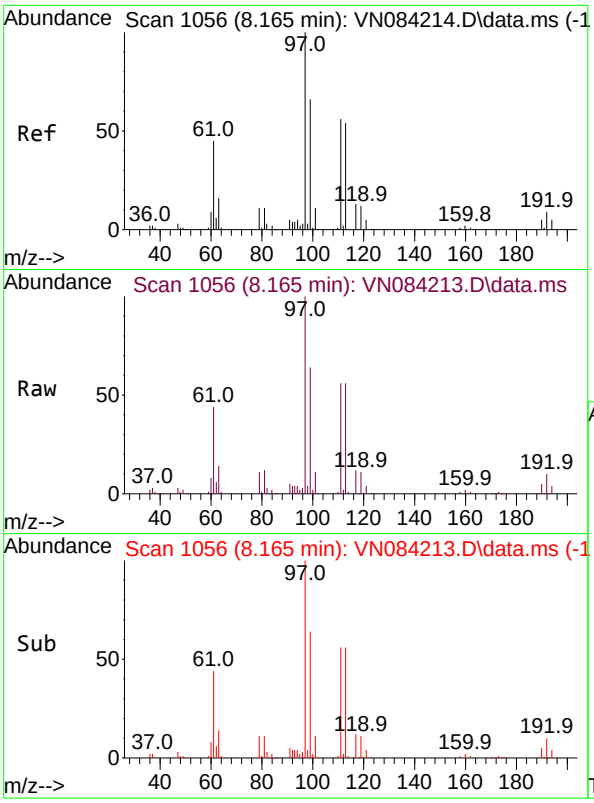


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:114 Resp: 324582

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	17.2	0.0	31.6



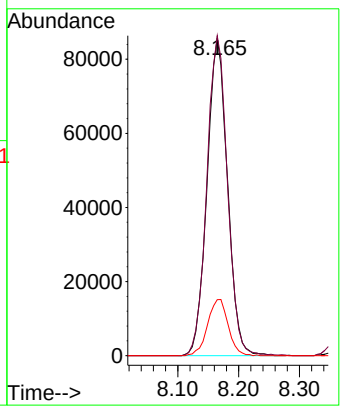


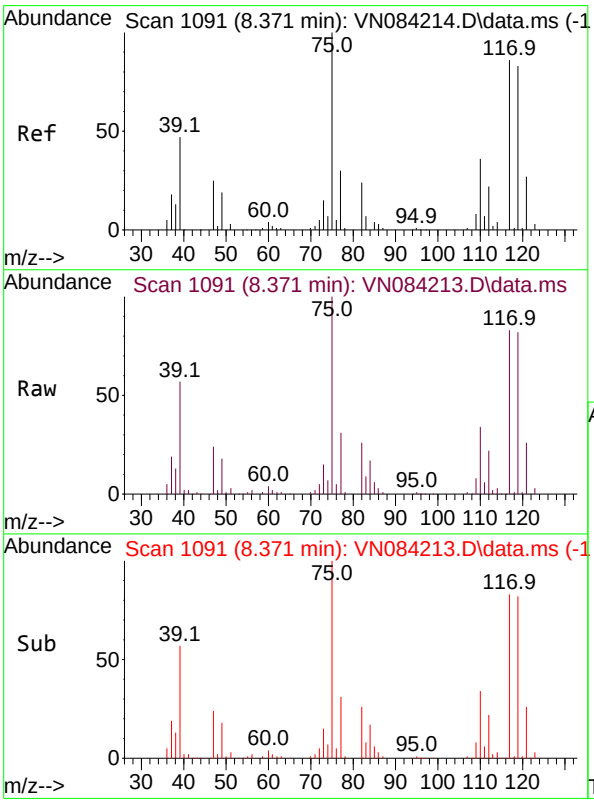
#35
Dibromofluoromethane
Concen: 93.542 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 200166

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	17.8	13.5	20.3

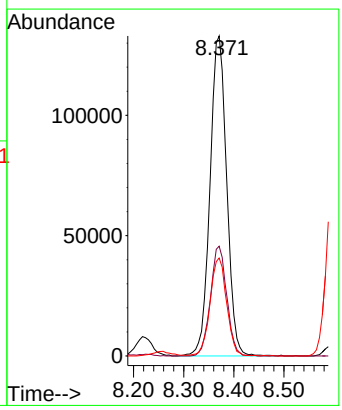


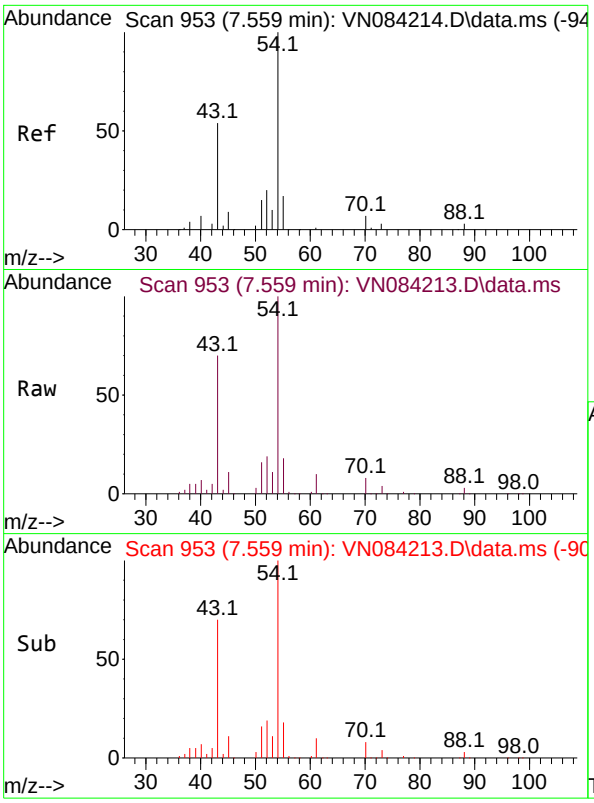


#36
1,1-Dichloropropene
Concen: 98.969 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 307616

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.5	24.7	37.1



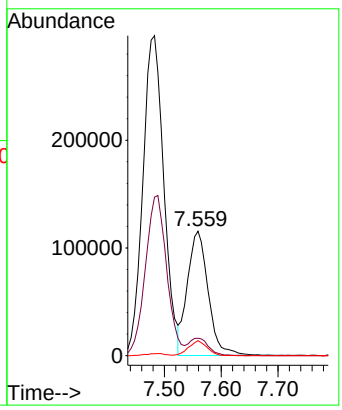


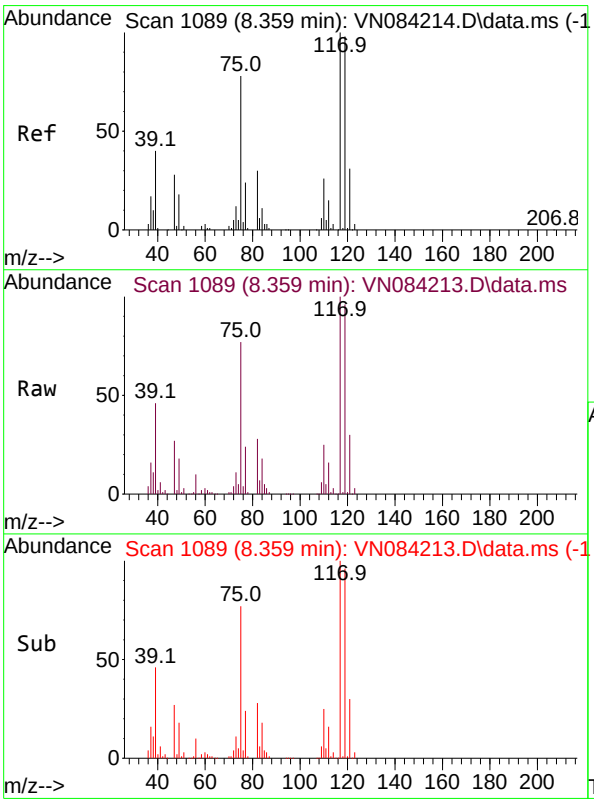
#37
Ethyl Acetate
Concen: 92.073 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 293597

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.8	13.2

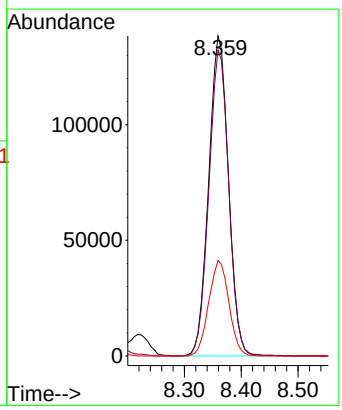


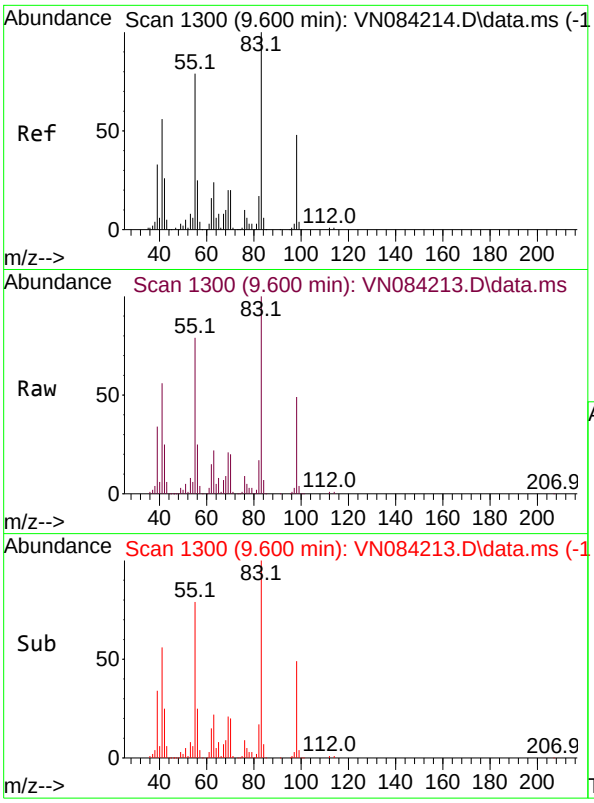


#38
Carbon Tetrachloride
Concen: 98.077 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 334398

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.7	118.1
121	29.8	24.4	36.6



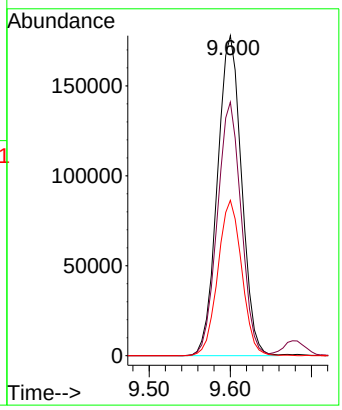


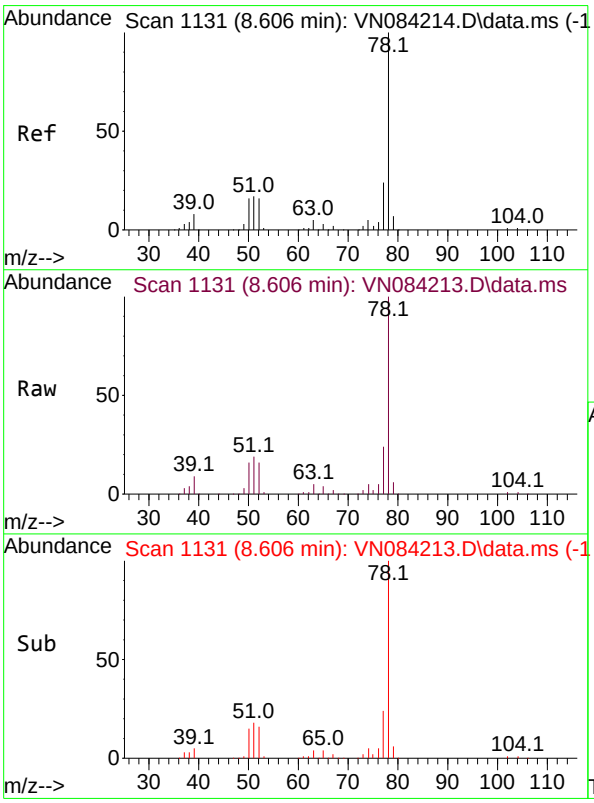
#39
Methylcyclohexane
Concen: 106.466 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 368299

Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.8	94.2
98	48.5	38.8	58.2

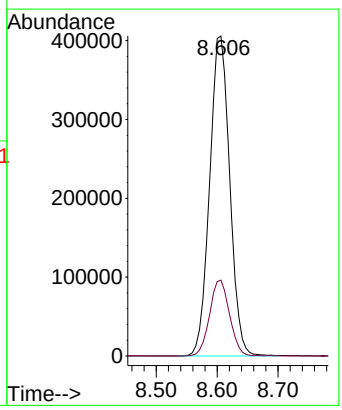


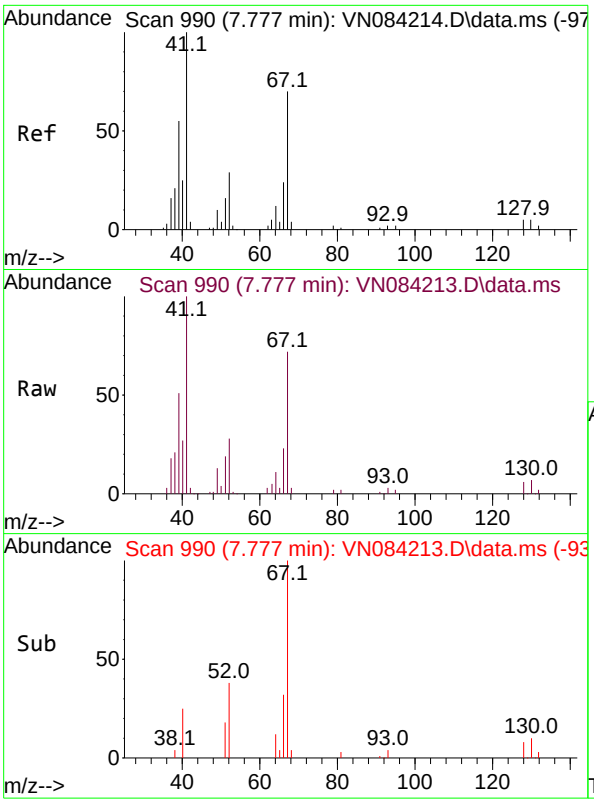


#40
Benzene
Concen: 96.145 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 78 Resp: 931076

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7



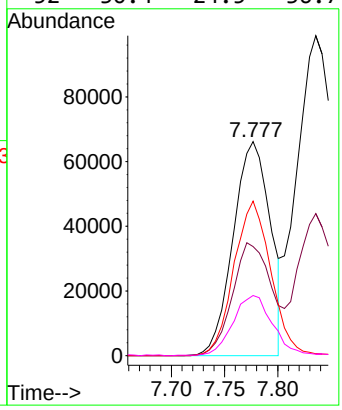


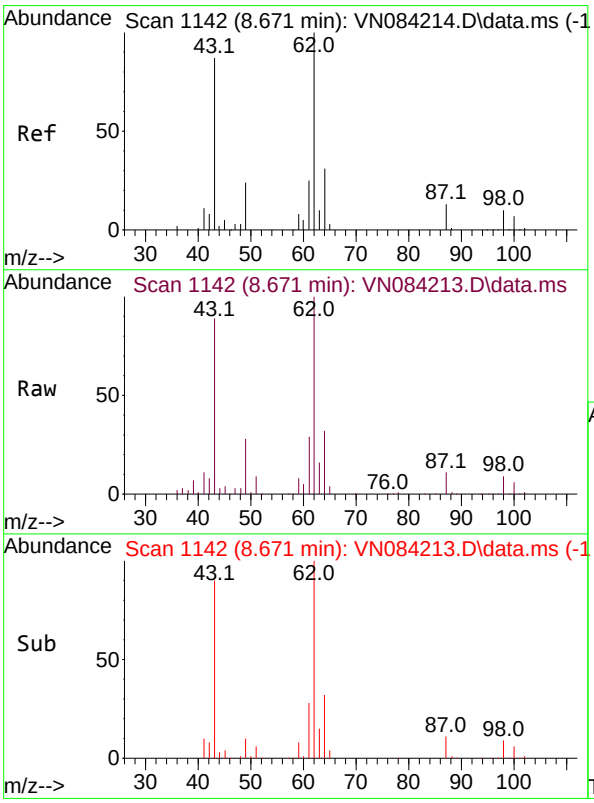
#41
Methacrylonitrile
Concen: 92.581 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 160270

Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.3	64.9
67	72.4	56.1	84.1
52	30.4	24.5	36.7

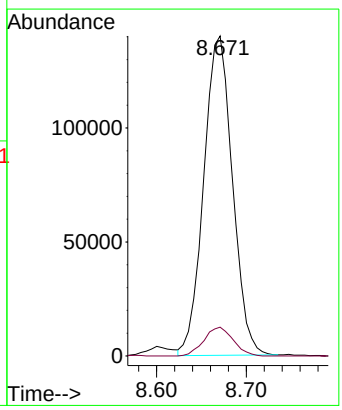


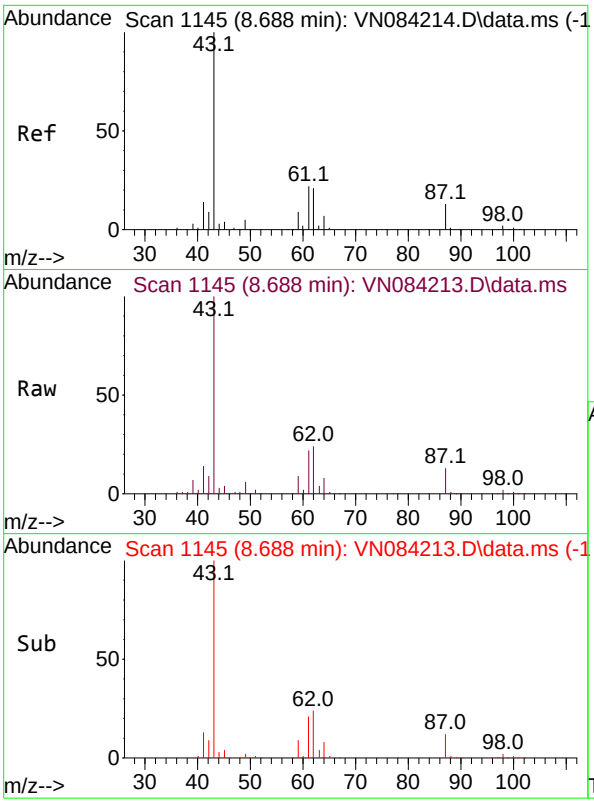


#42
1,2-Dichloroethane
Concen: 94.900 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 311563

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



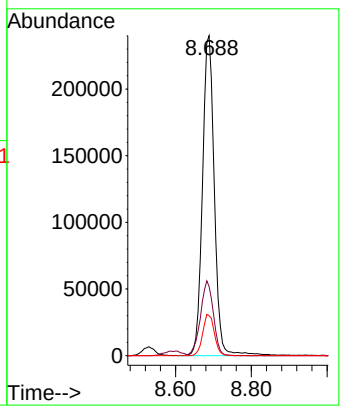


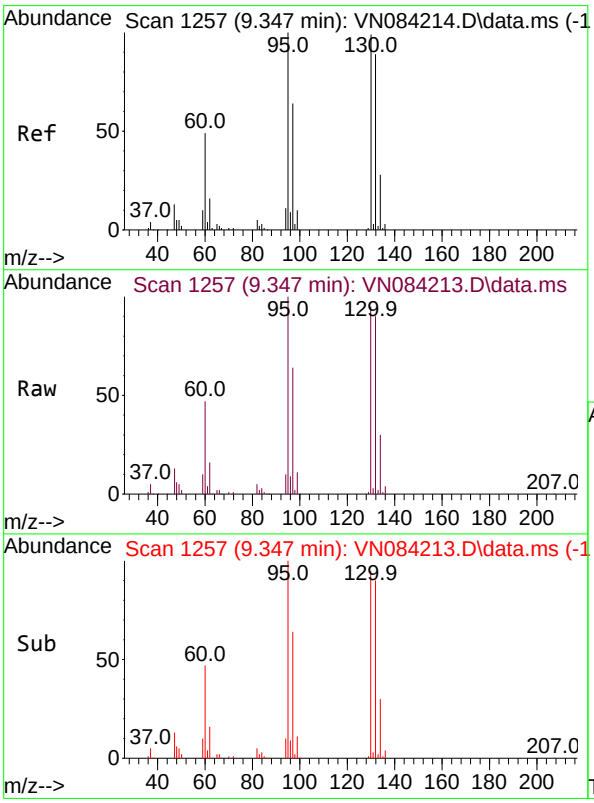
#43
Isopropyl Acetate
Concen: 83.581 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 521814

Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.4	30.6
87	12.6	10.3	15.5

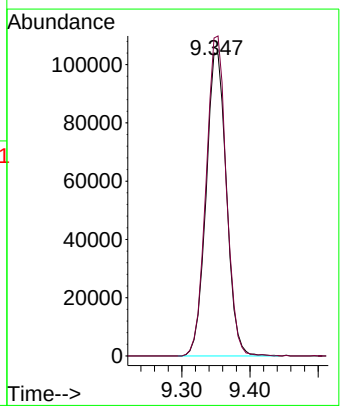


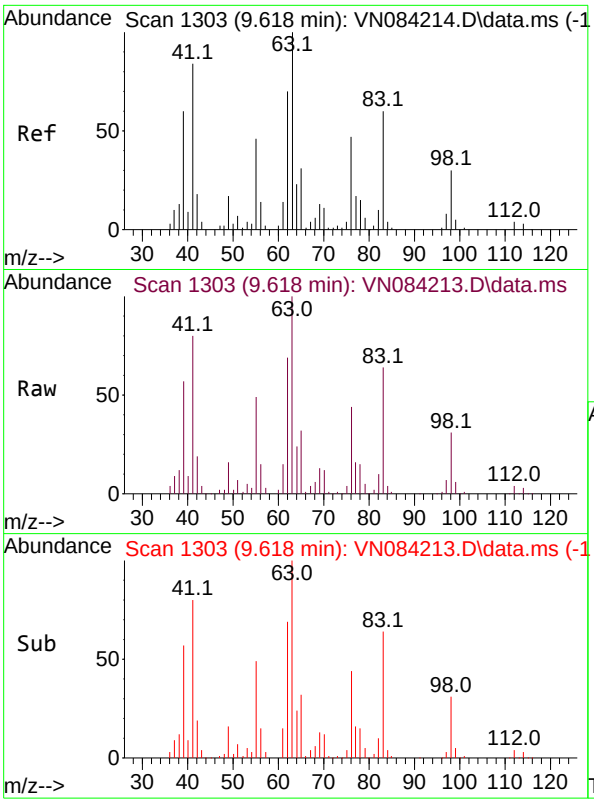


#44
Trichloroethene
Concen: 95.798 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:130 Resp: 216678

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.0



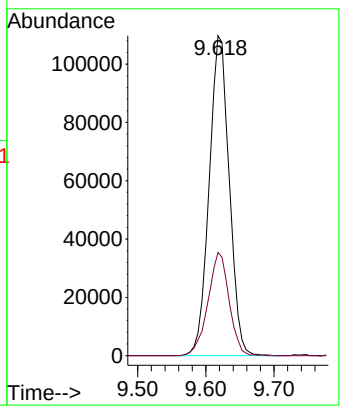


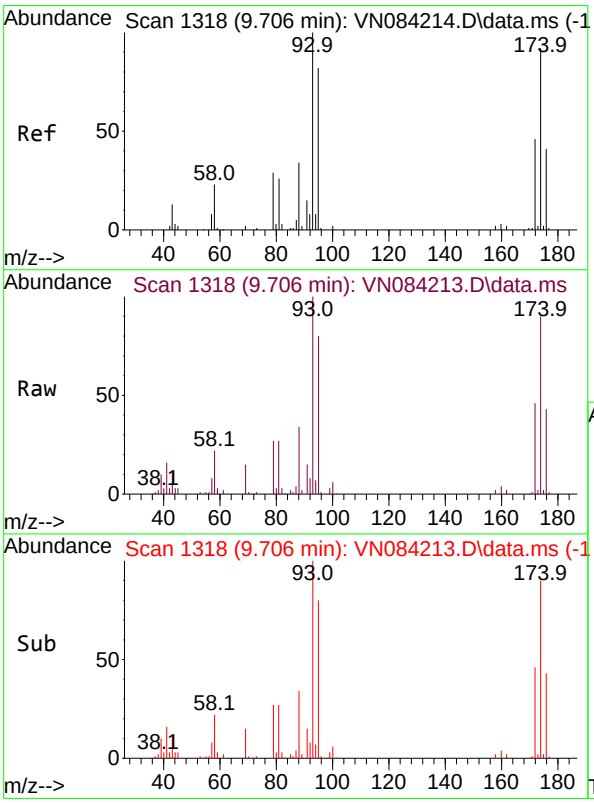
#45
1,2-Dichloropropane
Concen: 98.095 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 224724

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	37.0

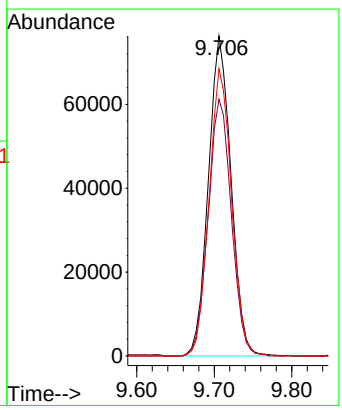


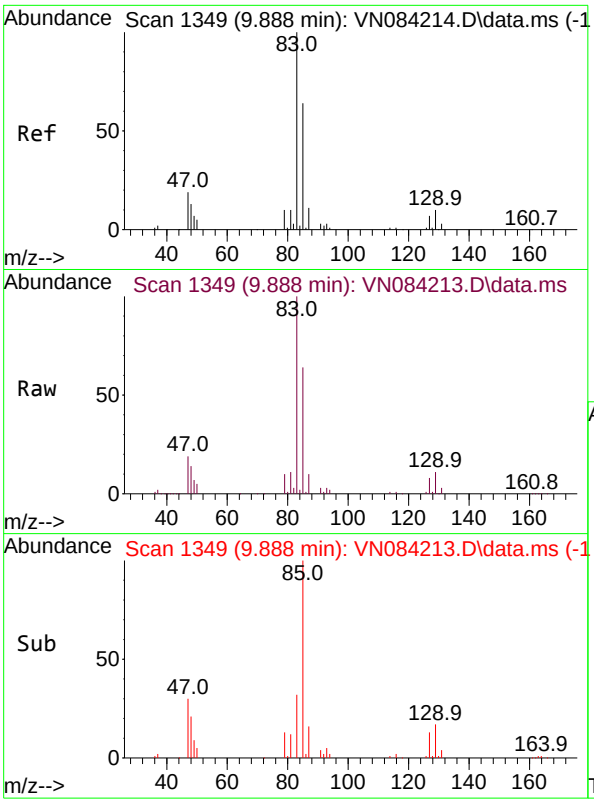


#46
Dibromomethane
Concen: 100.091 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 93 Resp: 154739

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.4
174	89.5	71.8	107.8



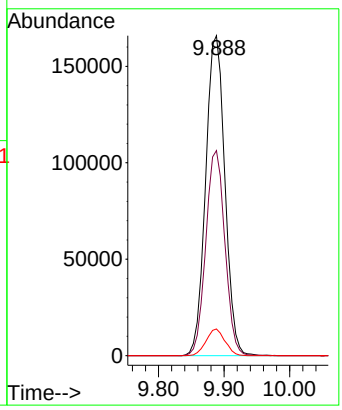


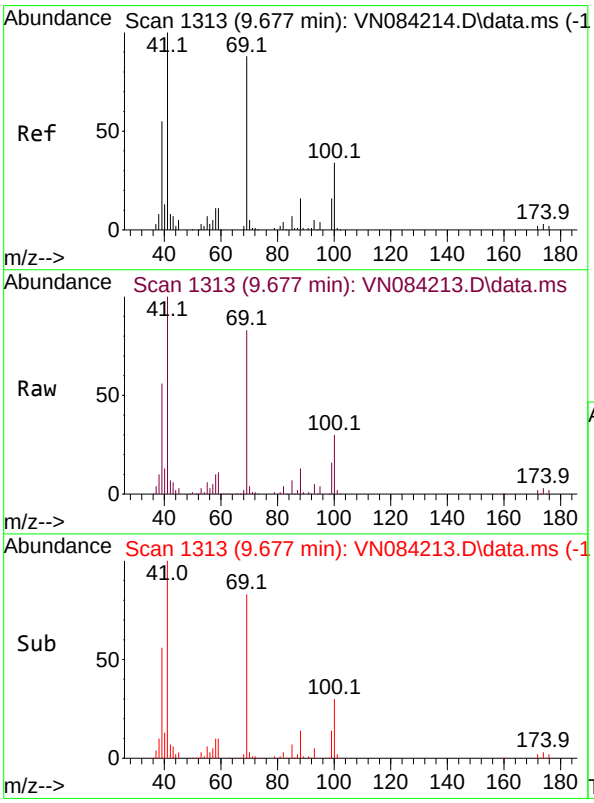
#47
Bromodichloromethane
Concen: 98.526 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 338406

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.4	5.7	8.5

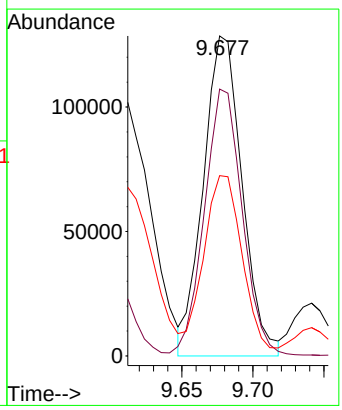


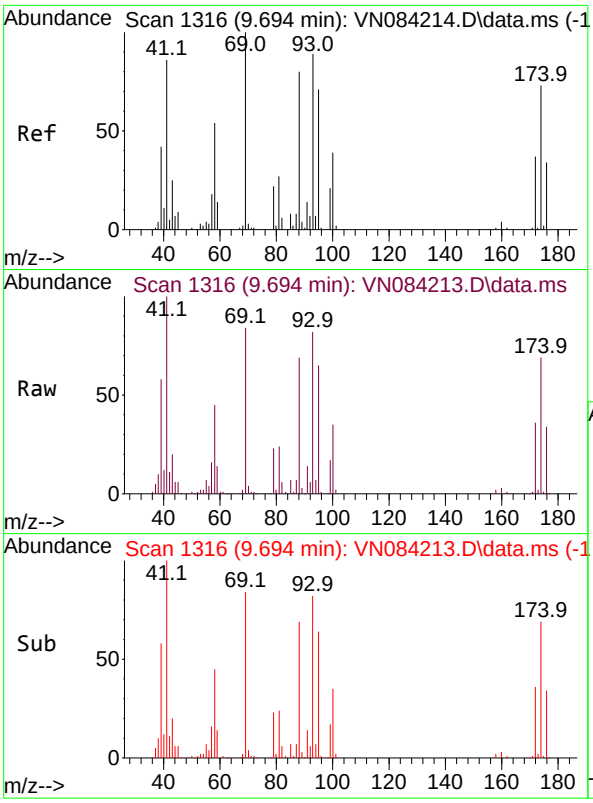


#48
Methyl methacrylate
Concen: 98.163 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 244061

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	57.1	45.8	68.6



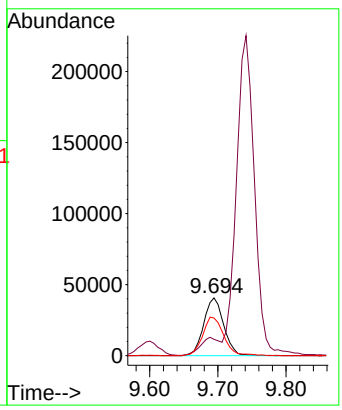


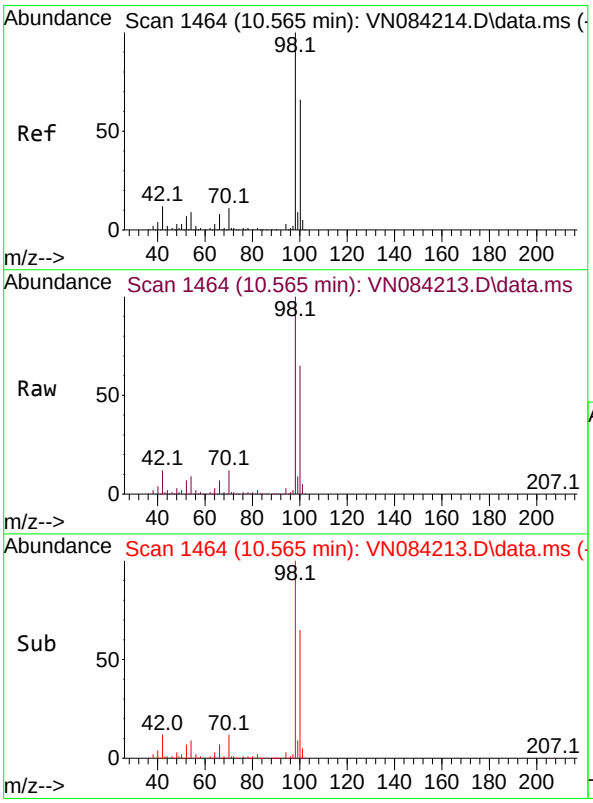
#49
1,4-Dioxane
Concen: 1810.110 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 82854

Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.3	37.9
58	70.9	56.4	84.6

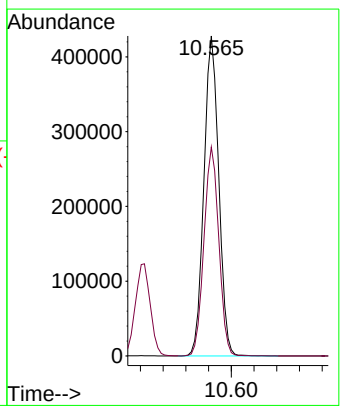


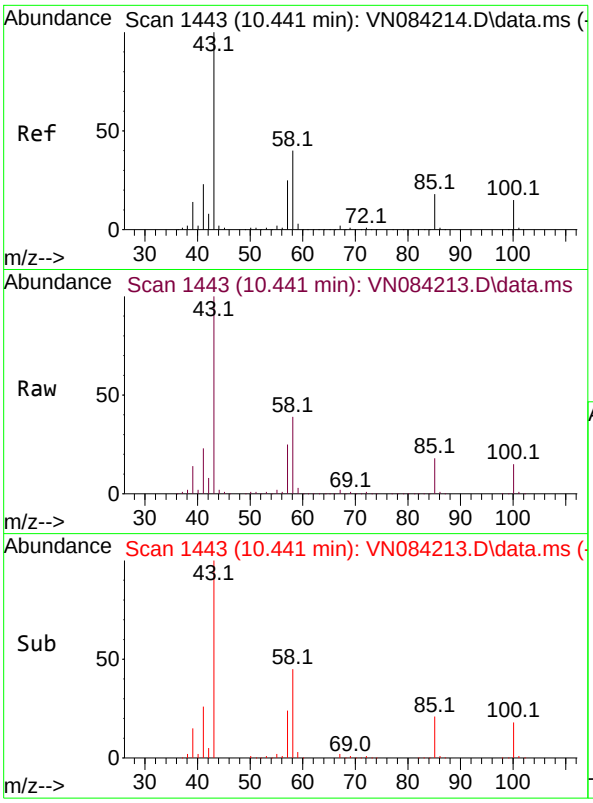


#50
Toluene-d8
Concen: 98.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 98 Resp: 772146

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



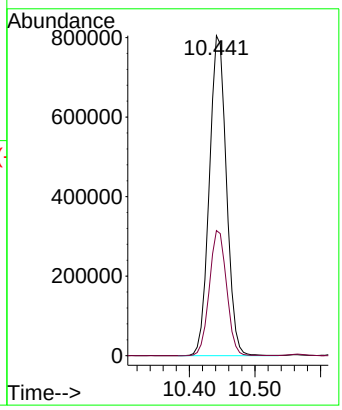


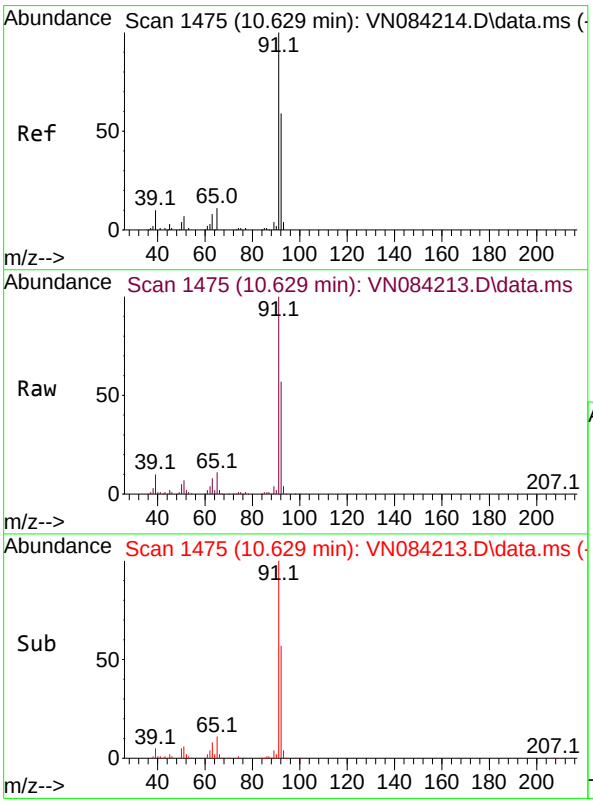
#51
4-Methyl-2-Pentanone
Concen: 479.699 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1456154

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4

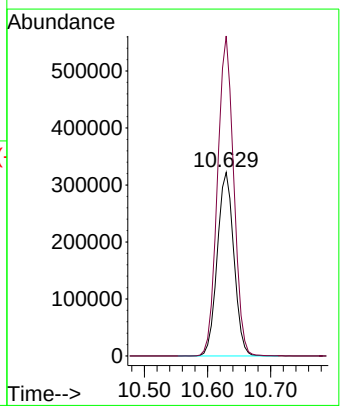


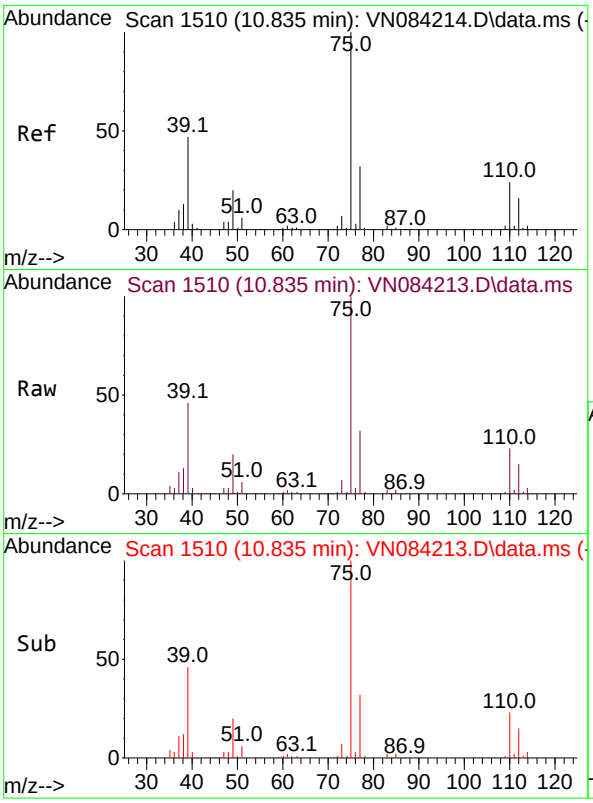


#52
Toluene
Concen: 99.324 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 92 Resp: 586544

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



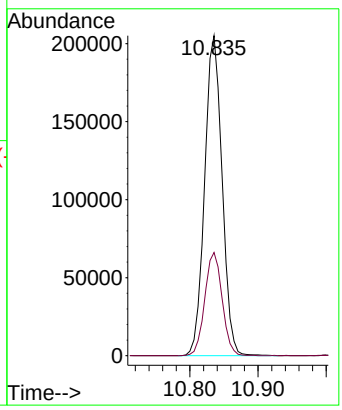


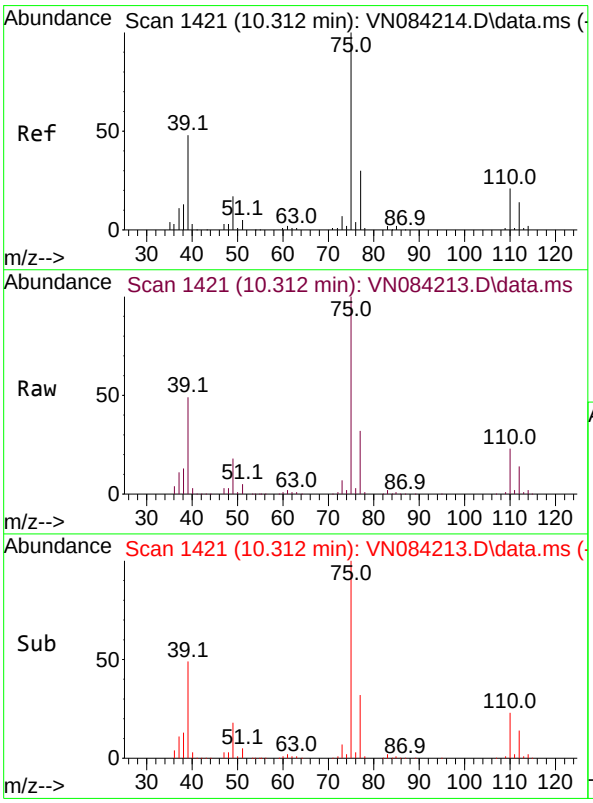
#53
t-1,3-Dichloropropene
Concen: 104.280 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 365099

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

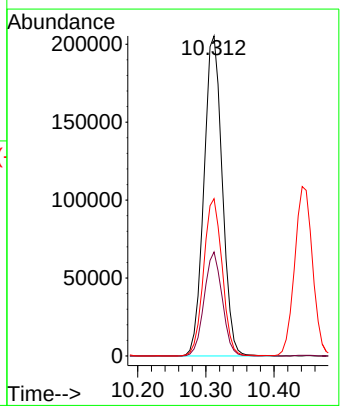


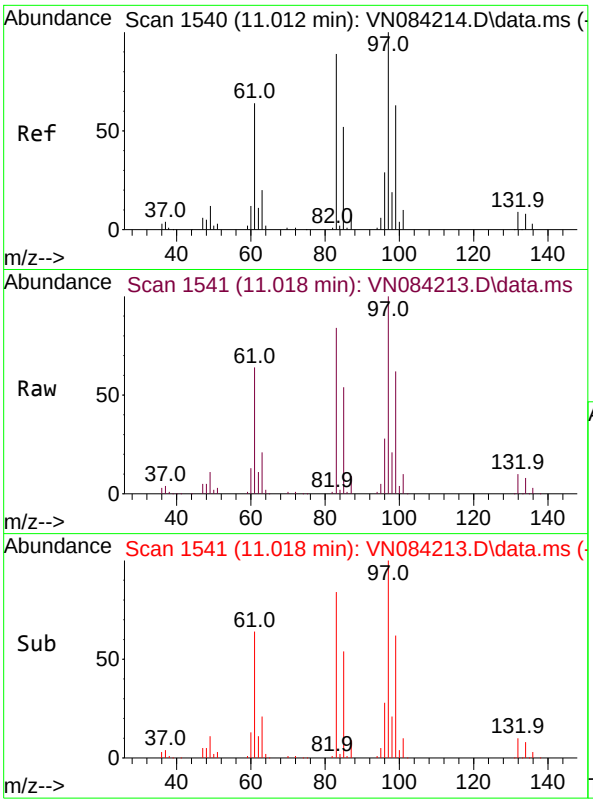


#54
cis-1,3-Dichloropropene
Concen: 101.975 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 384030

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	49.2	38.7	58.1



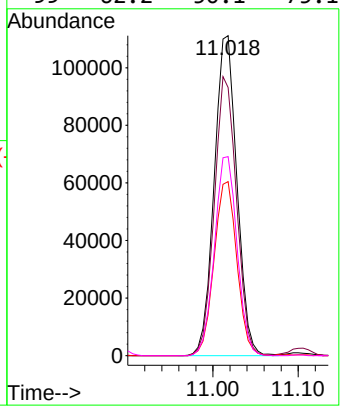


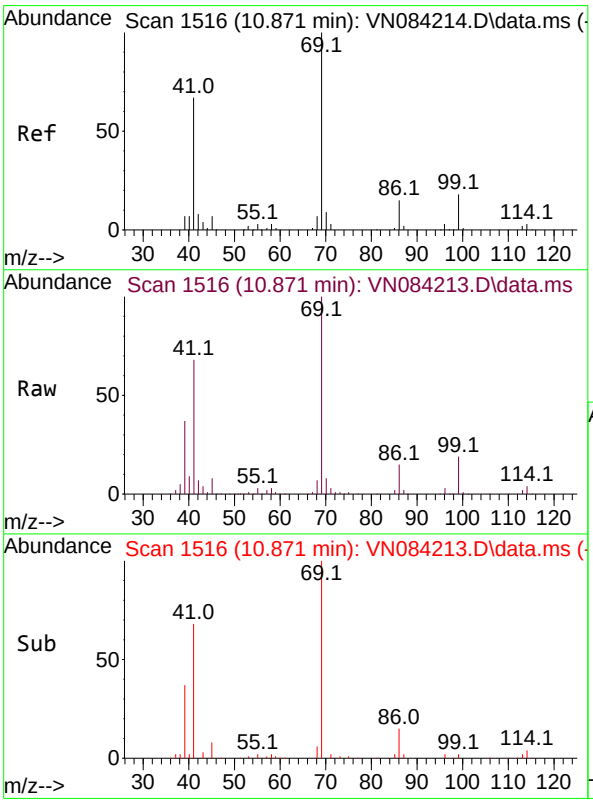
#55
1,1,2-Trichloroethane
Concen: 97.170 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205711

Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.0	106.4
85	54.4	41.7	62.5
99	62.2	50.1	75.1

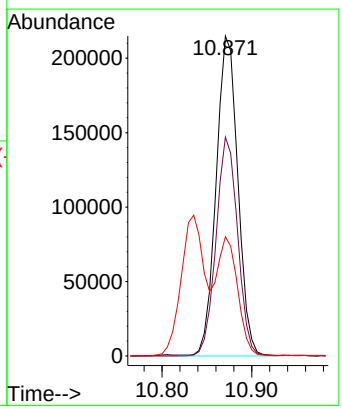


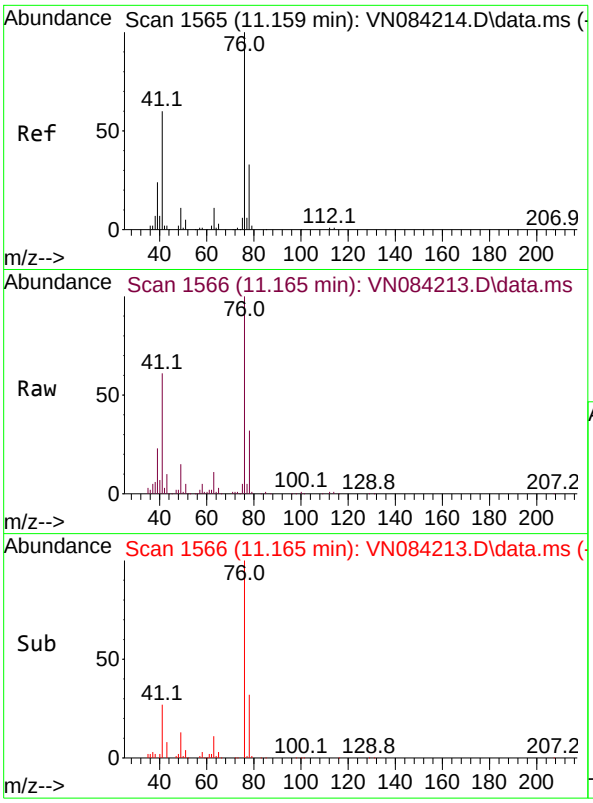


#56
Ethyl methacrylate
Concen: 103.608 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 69 Resp: 360916

Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.3	79.9
39	36.1	28.8	43.2



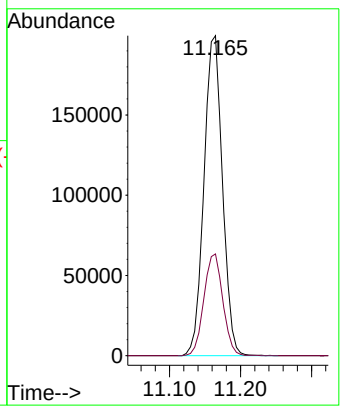


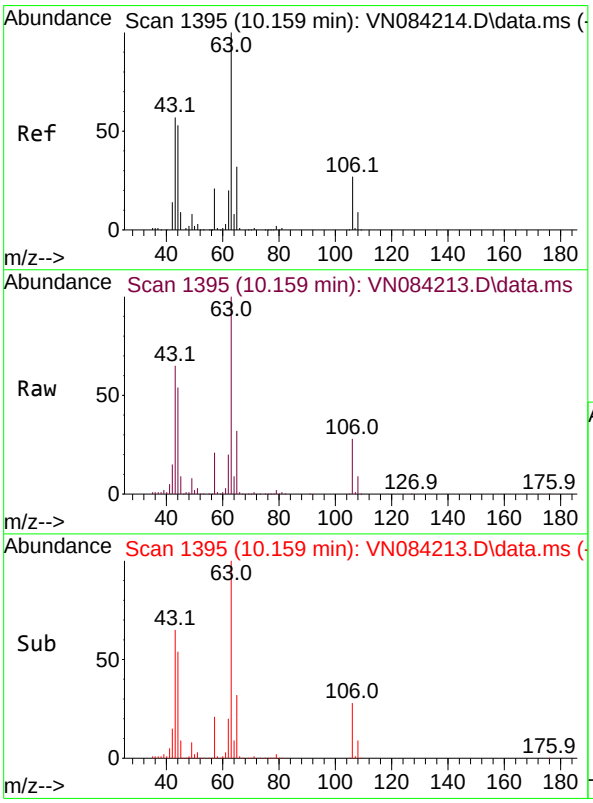
#57
1,3-Dichloropropane
Concen: 95.326 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 360601

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

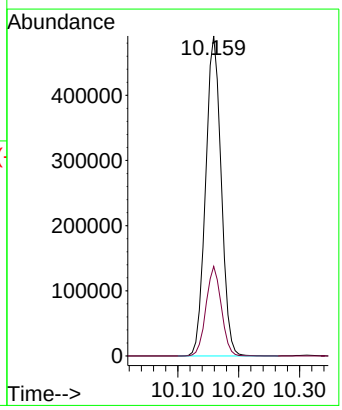


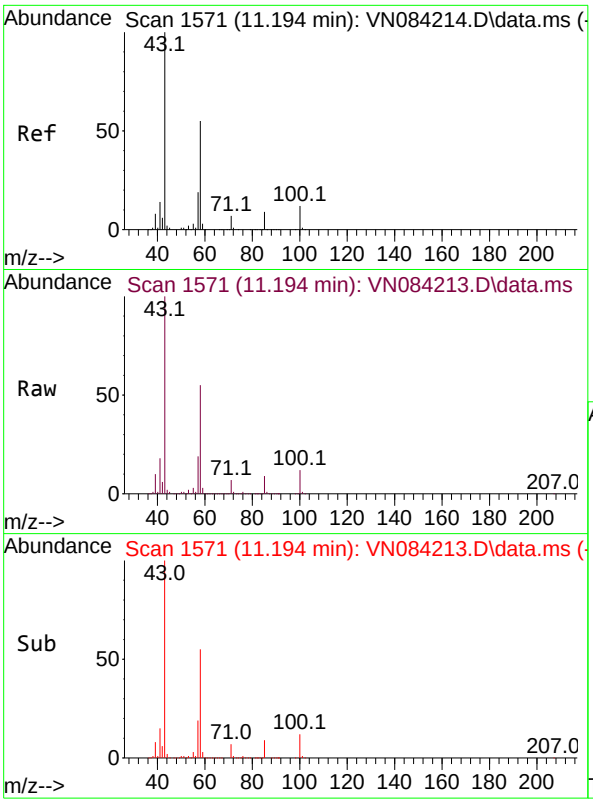


#58
2-Chloroethyl Vinyl ether
Concen: 538.640 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 870416

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6



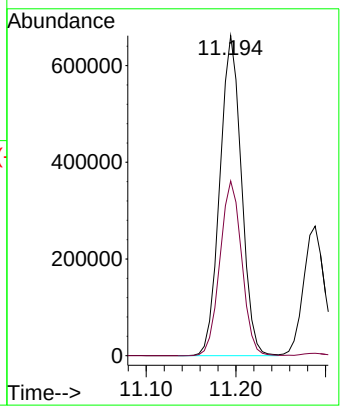


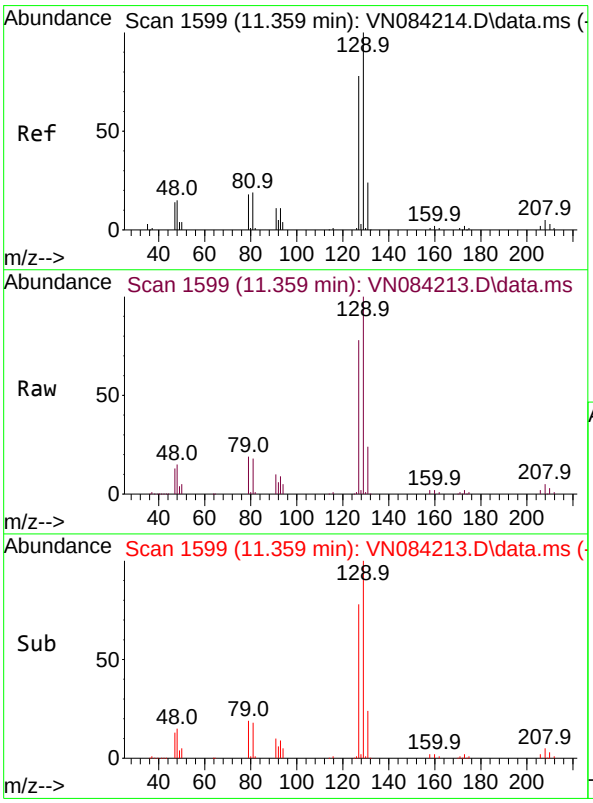
#59
2-Hexanone
Concen: 487.363 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1105736

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

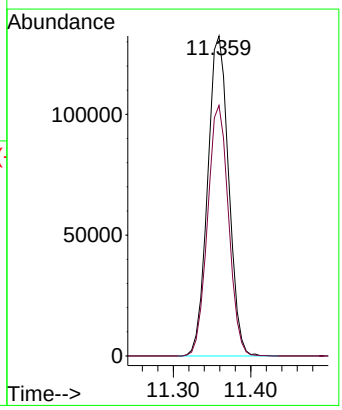


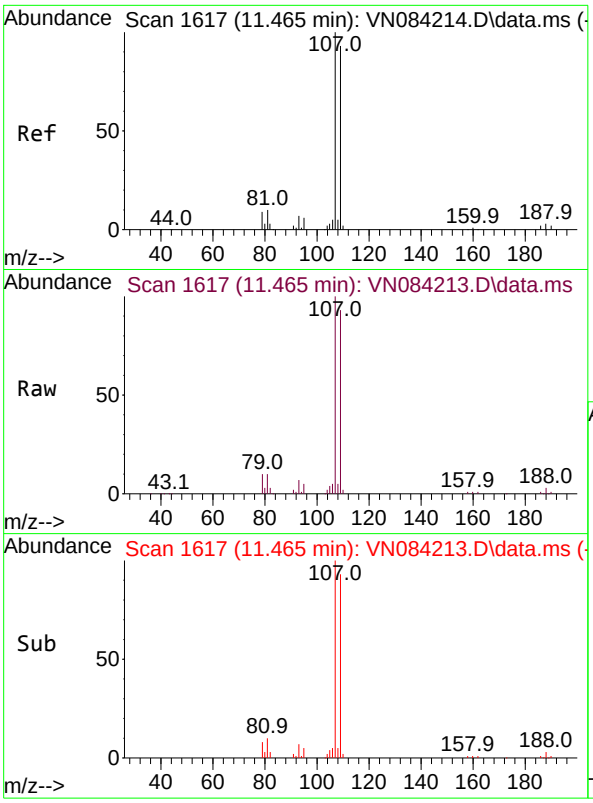


#60
Dibromochloromethane
Concen: 99.721 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:129 Resp: 249435

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9



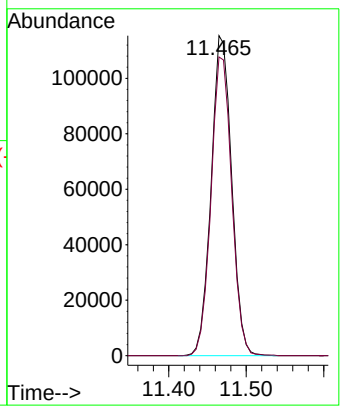


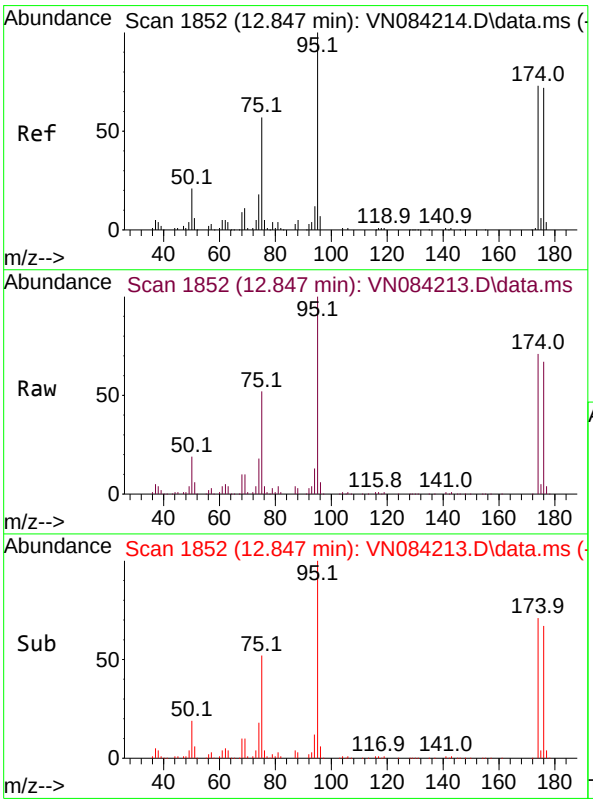
#61
1,2-Dibromoethane
Concen: 96.694 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 212705

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0

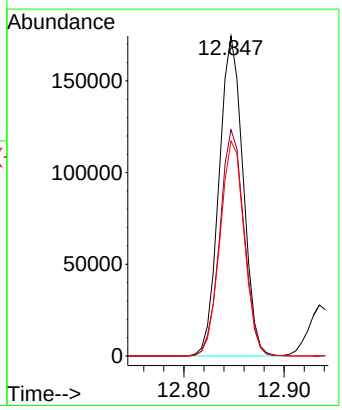


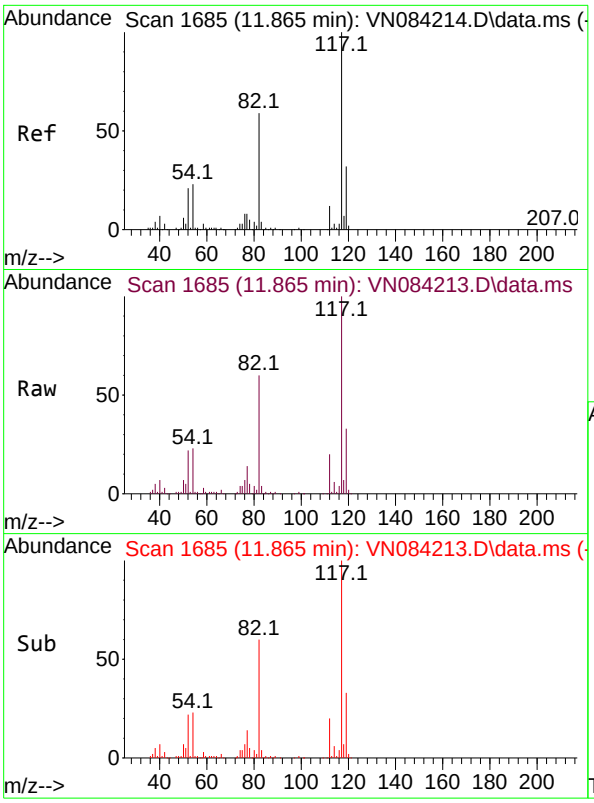


#62
4-Bromofluorobenzene
Concen: 101.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 95 Resp: 289867

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	145.2
176	68.2	0.0	140.0



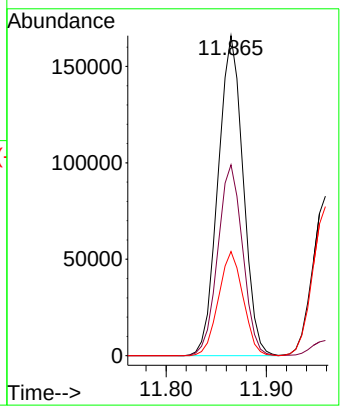


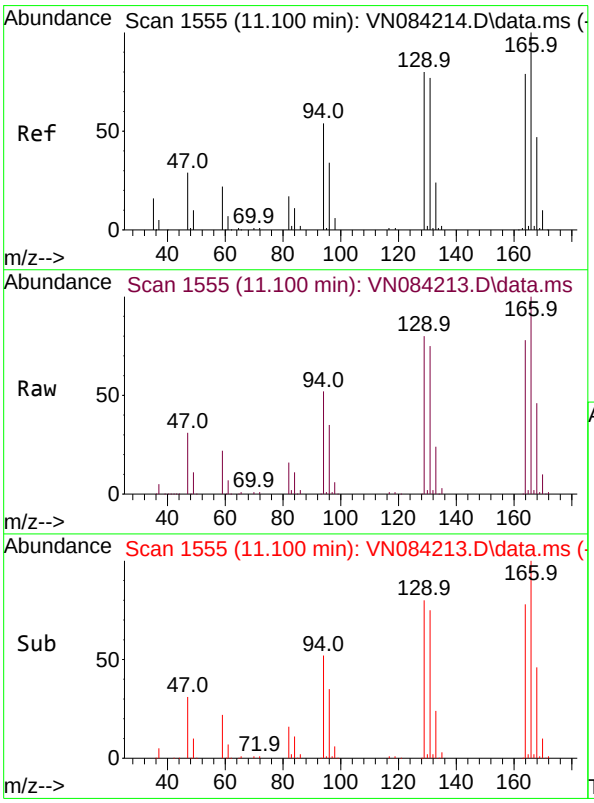
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 288467

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.2	70.8
119	32.5	25.4	38.0

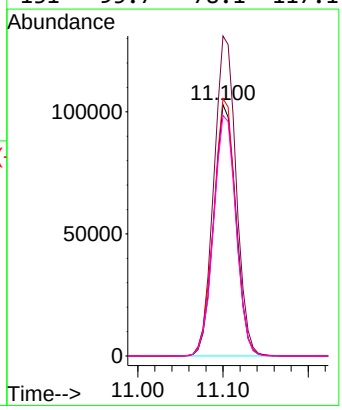


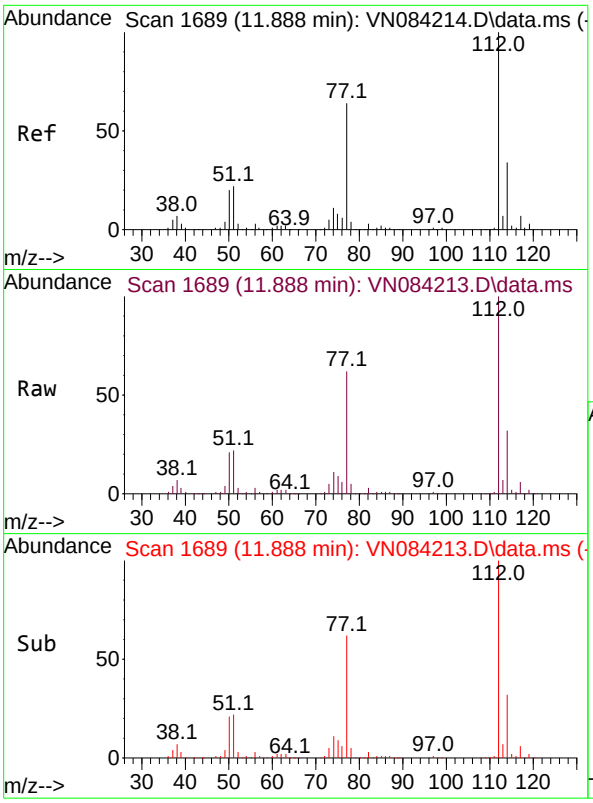


#64
Tetrachloroethene
Concen: 92.608 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:164 Resp: 186069

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	102.4	80.8	121.2
131	95.7	78.1	117.1



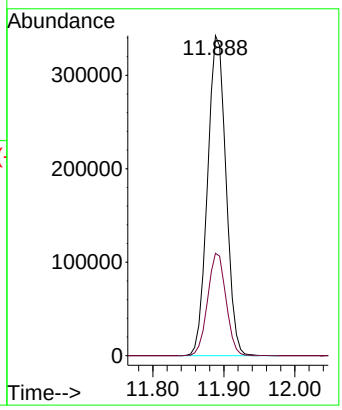


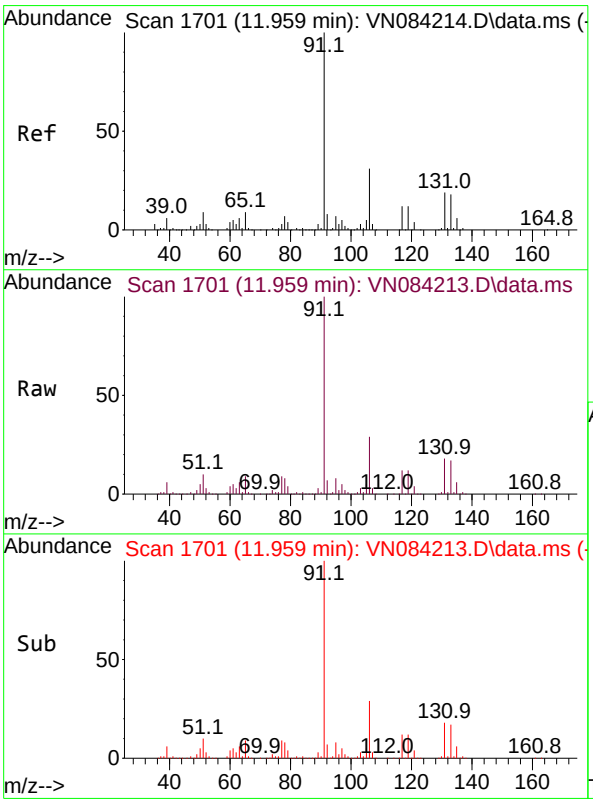
#65
Chlorobenzene
Concen: 96.376 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 616423

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6

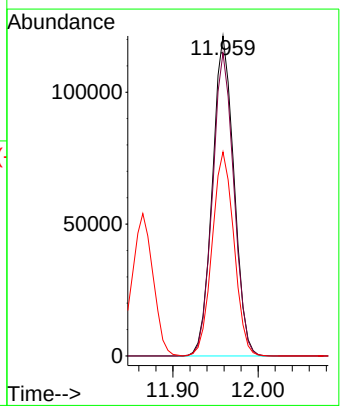


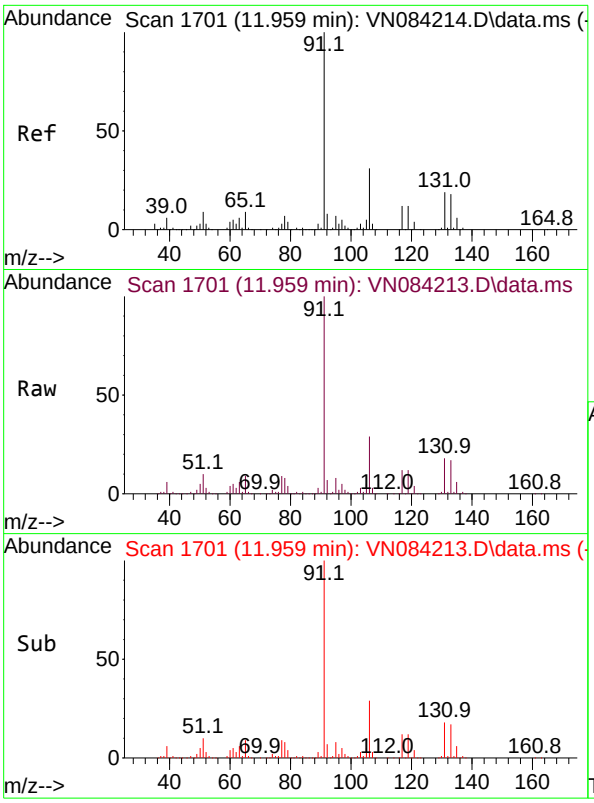


#66
1,1,1,2-Tetrachloroethane
Concen: 96.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:131 Resp: 212695

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.8	32.8	98.3



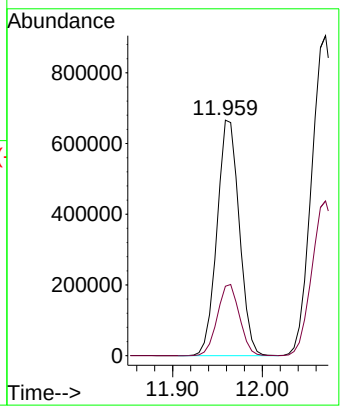


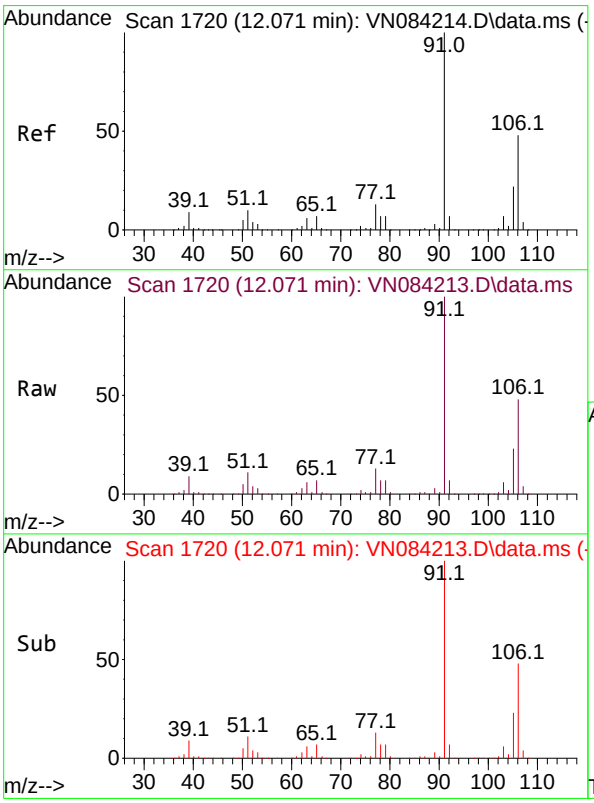
#67
Ethyl Benzene
Concen: 101.385 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1146786

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7

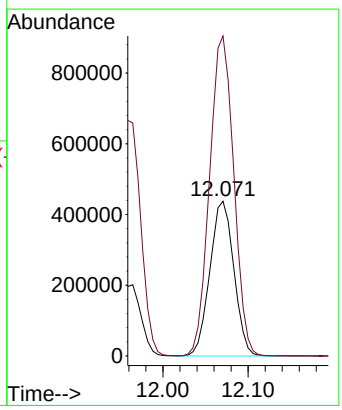


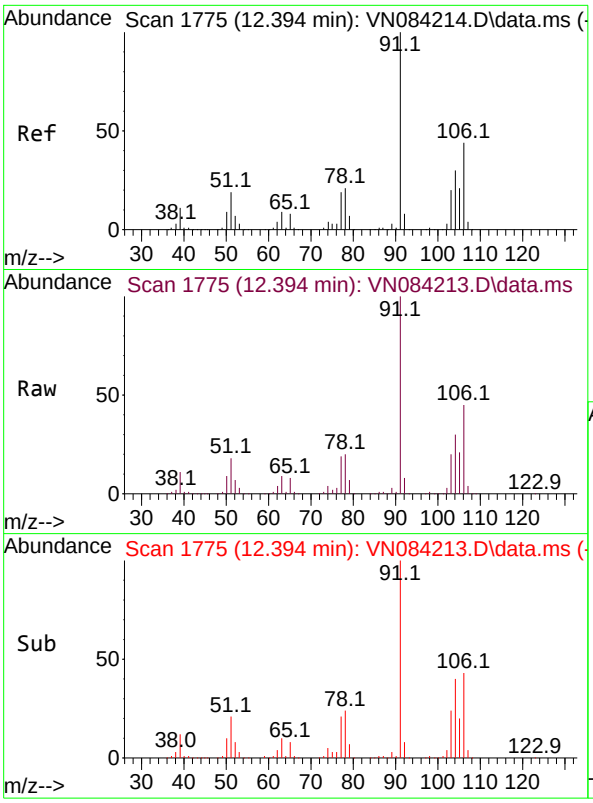


#68
m/p-Xylenes
Concen: 204.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 855381

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7



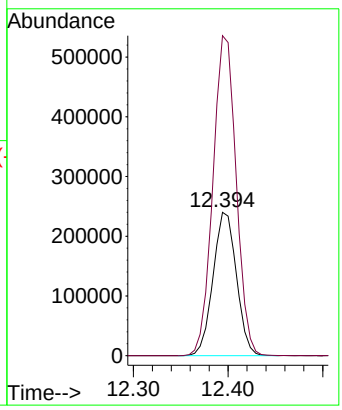


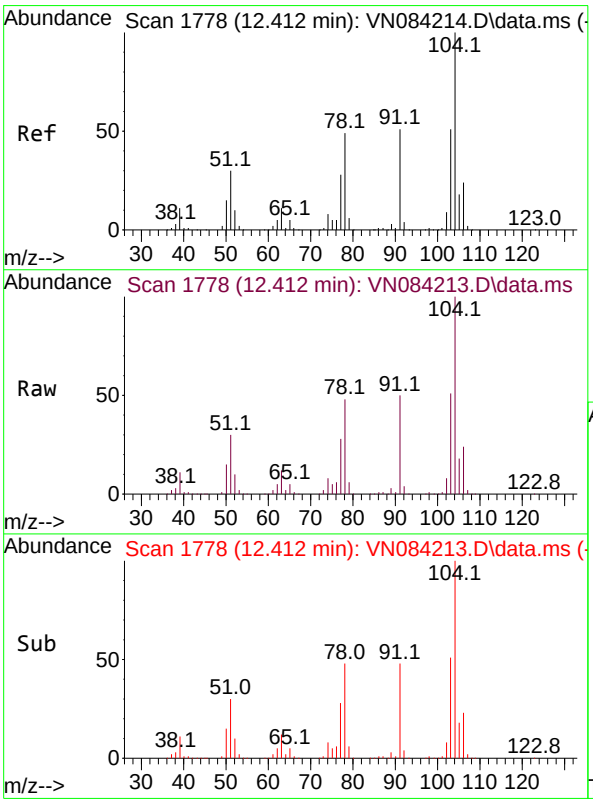
#69
o-Xylene
Concen: 104.101 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 412098

Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.2	330.6

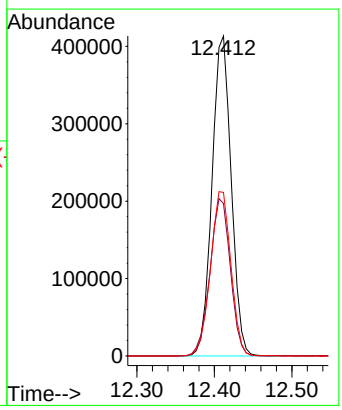


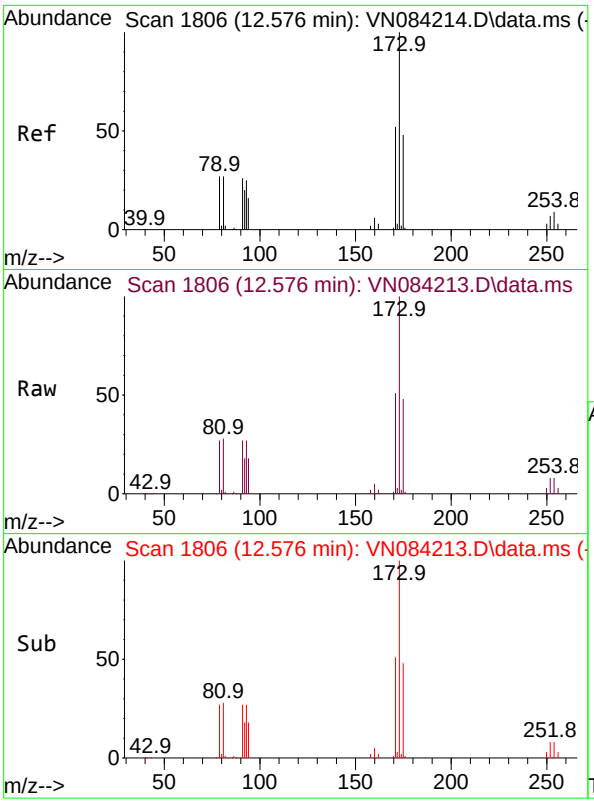


#70
Styrene
Concen: 106.165 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:104 Resp: 711855

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.7	64.1
103	54.7	43.6	65.4



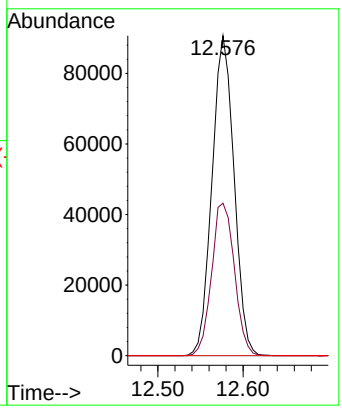


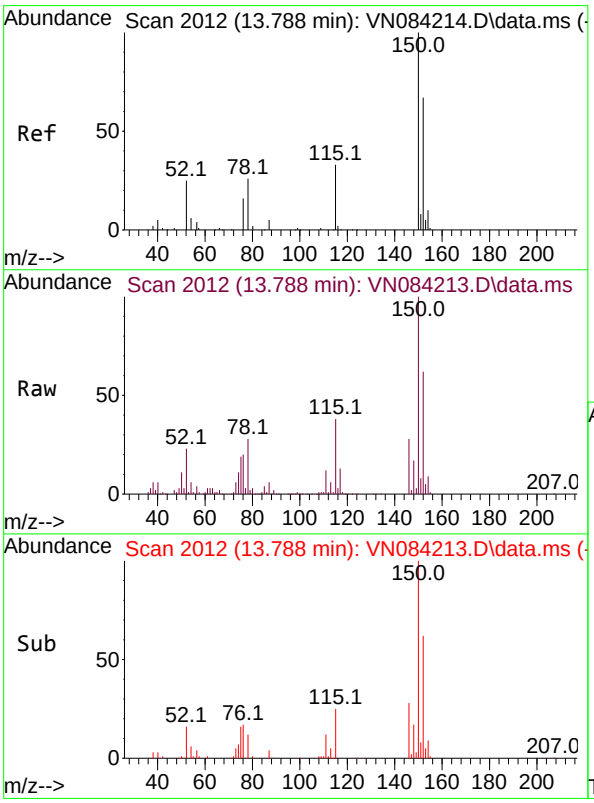
#71
Bromoform
Concen: 100.412 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 162862

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.0	0.0	0.0

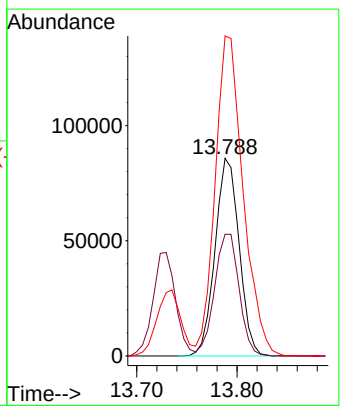


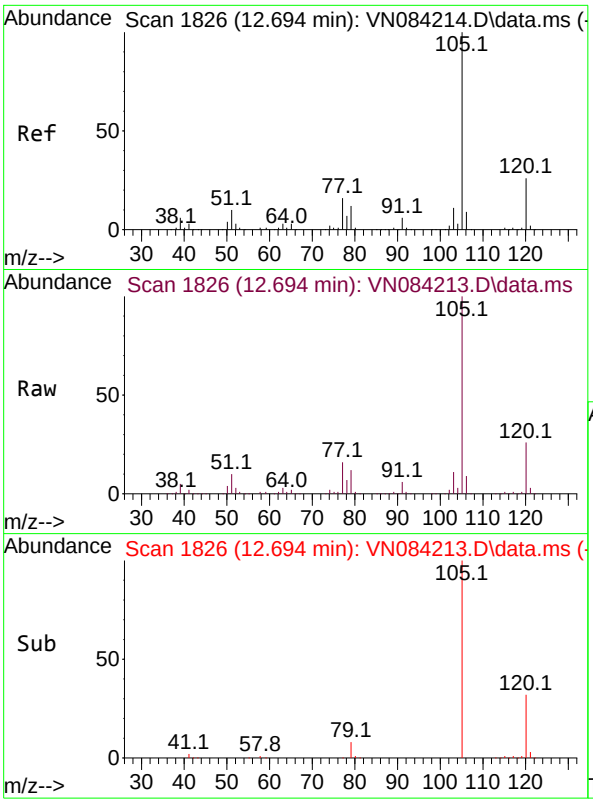


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:152 Resp: 142880

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	188.1	0.0	349.8



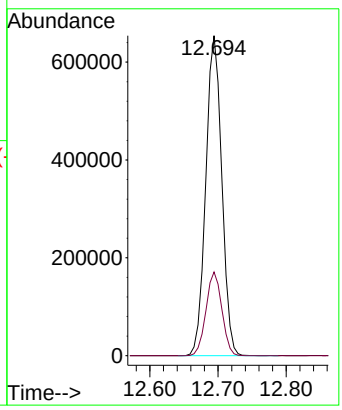


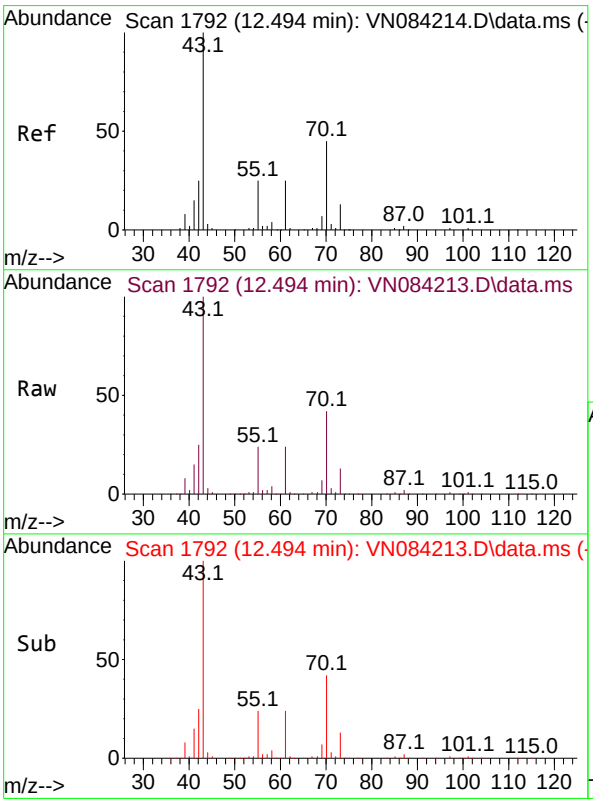
#73
Isopropylbenzene
Concen: 97.936 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1067798

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

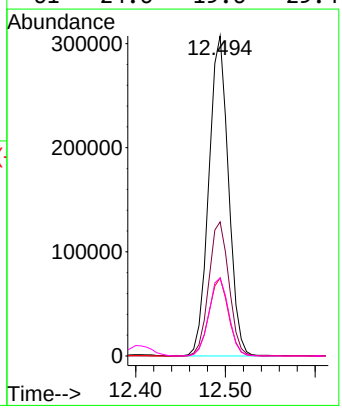


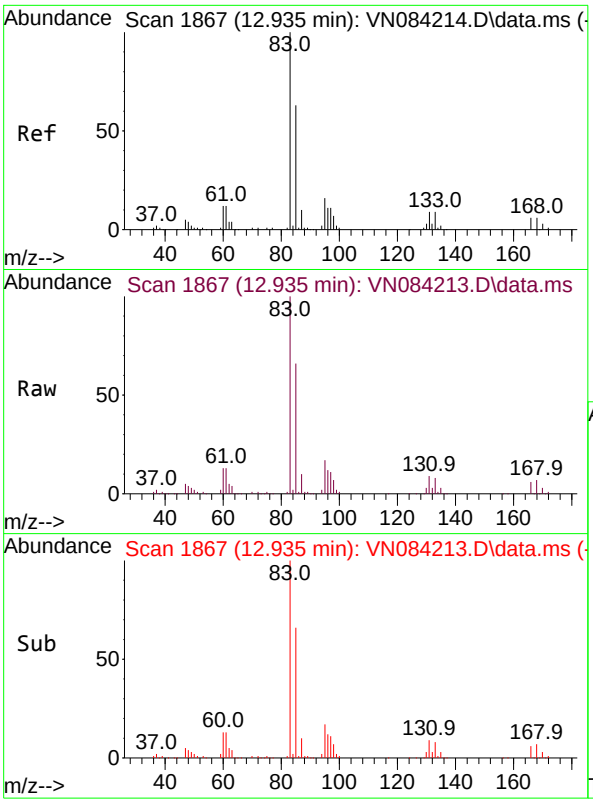


#74
N-amyl acetate
Concen: 94.716 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 467641

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	24.2	19.6	29.4
61	24.6	19.6	29.4



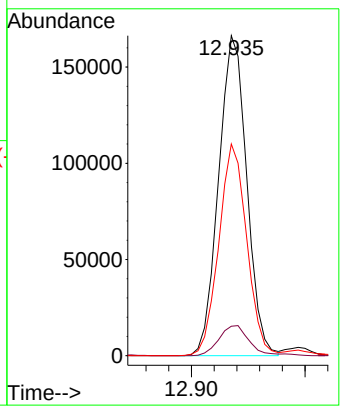


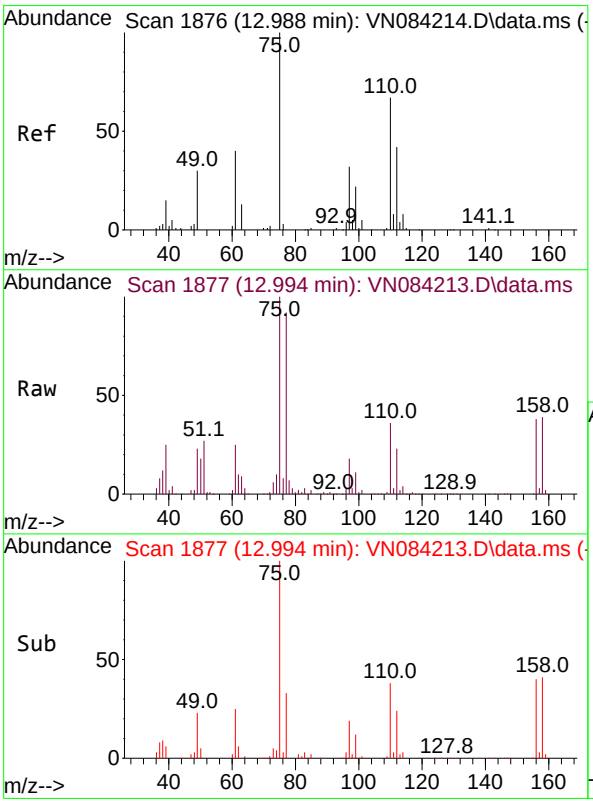
#75
1,1,2,2-Tetrachloroethane
Concen: 87.285 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 286161

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.7	31.9	95.7

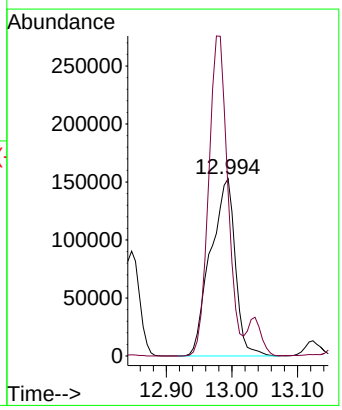


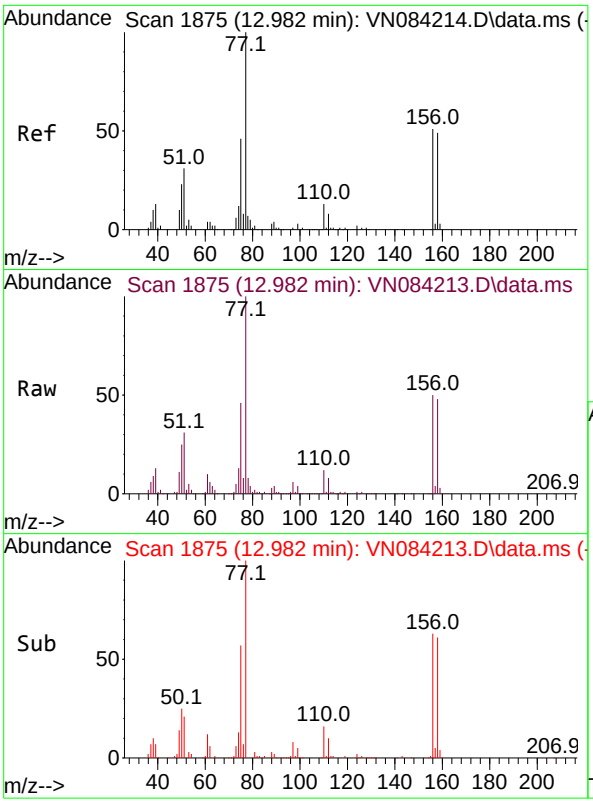


#76
1,2,3-Trichloropropane
Concen: 140.449 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 399963

Ion	Ratio	Lower	Upper
75	100		
77	139.8	96.9	290.7



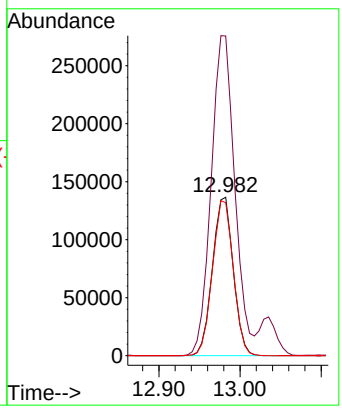


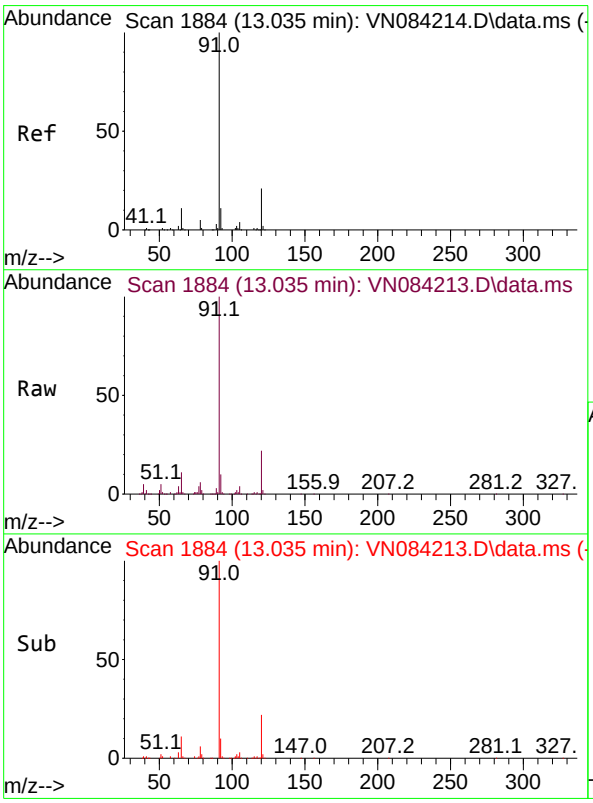
#77
Bromobenzene
Concen: 92.425 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 243075

Ion	Ratio	Lower	Upper
156	100		
77	230.0	115.1	345.3
158	98.3	48.9	146.8

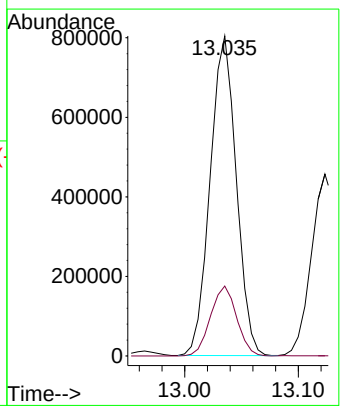


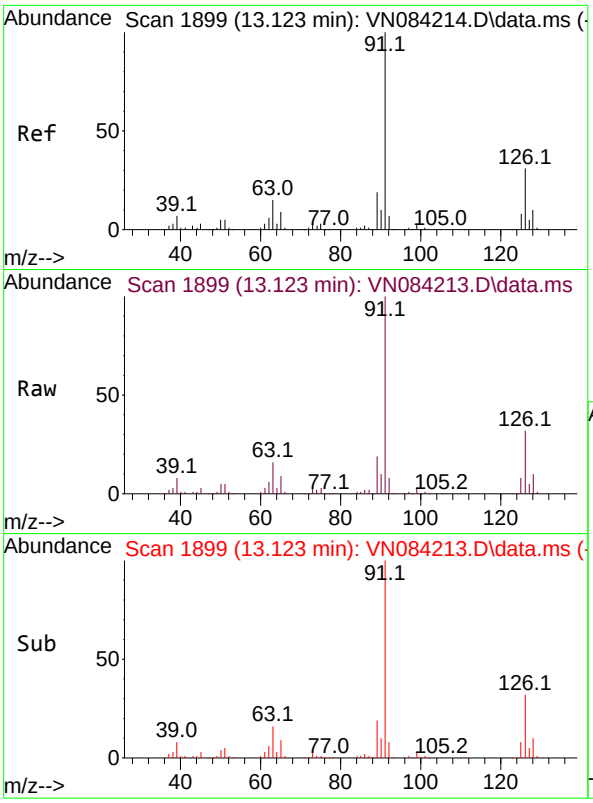


#78
n-propylbenzene
Concen: 101.754 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1285399

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



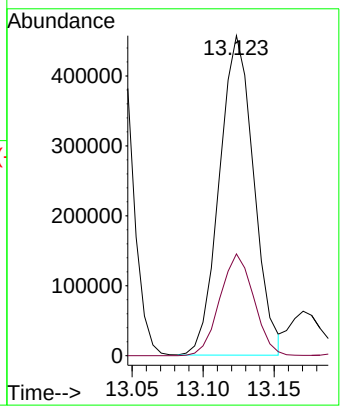


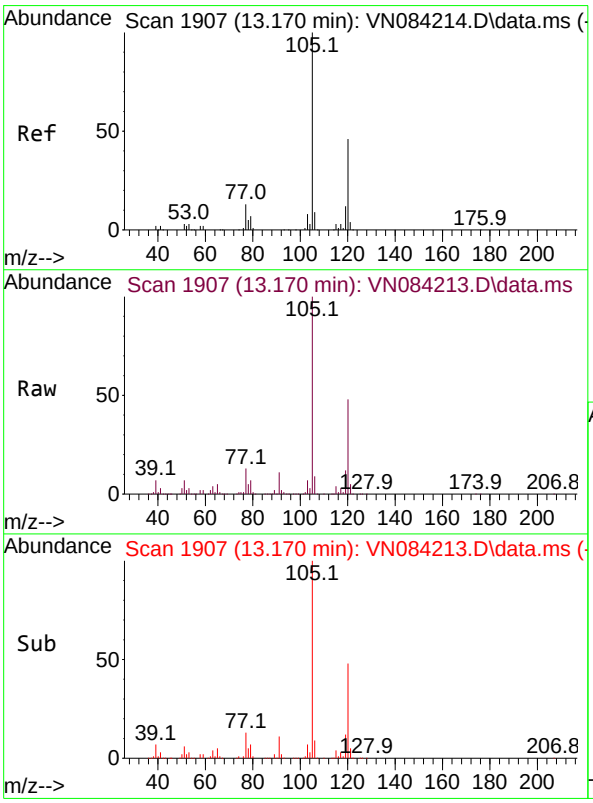
#79
2-Chlorotoluene
Concen: 95.567 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 770341

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

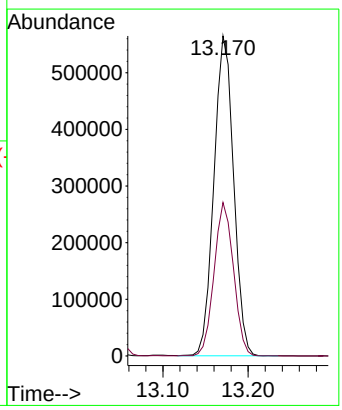


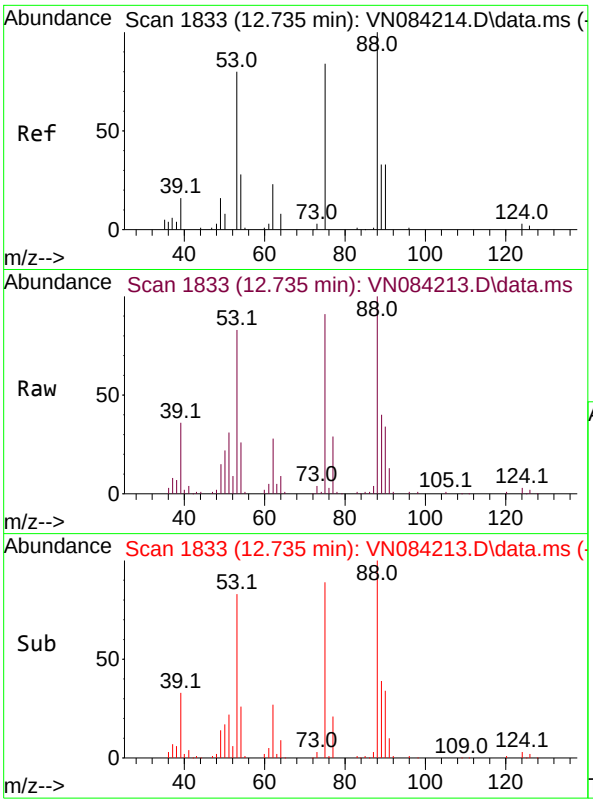


#80
1,3,5-Trimethylbenzene
Concen: 101.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 905999

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1



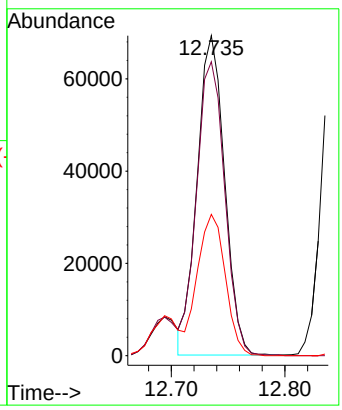


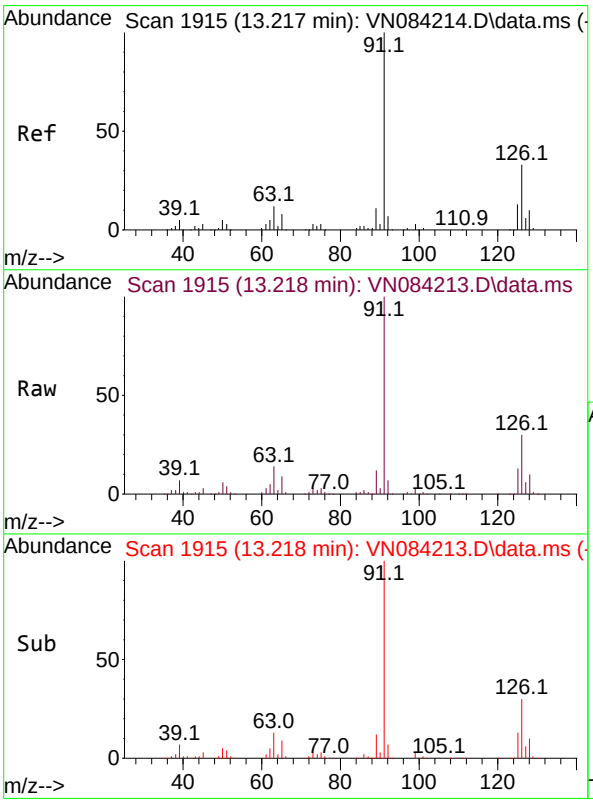
#81
trans-1,4-Dichloro-2-butene
Concen: 95.579 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 116289

Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.0	117.0
89	44.4	35.5	53.3

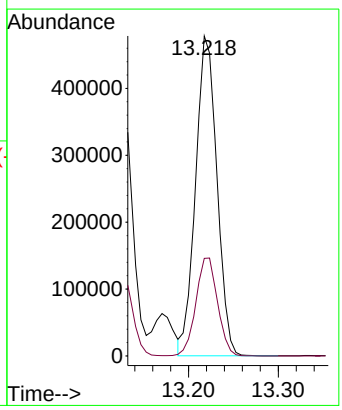


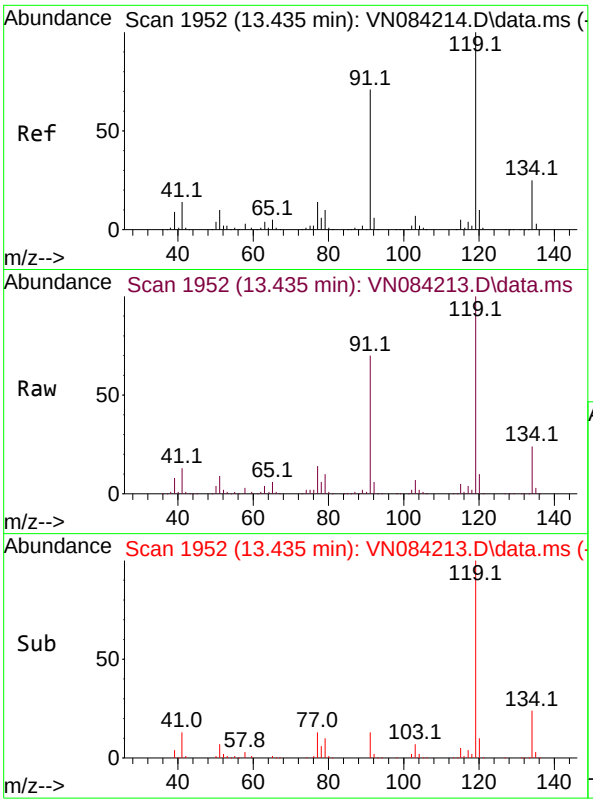


#82
4-Chlorotoluene
Concen: 97.362 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 790045

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



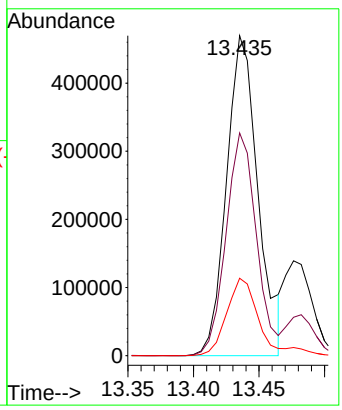


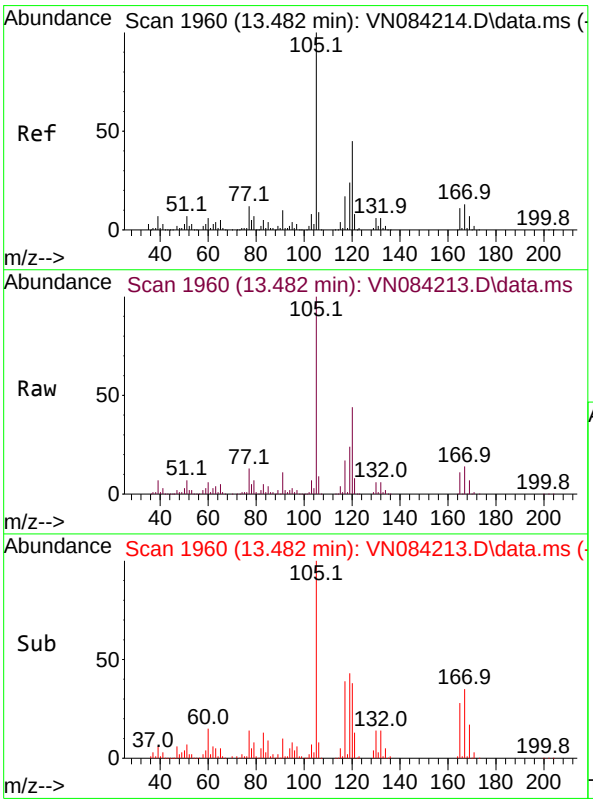
#83
tert-Butylbenzene
Concen: 99.349 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 785331

Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	25.2	12.8	38.4

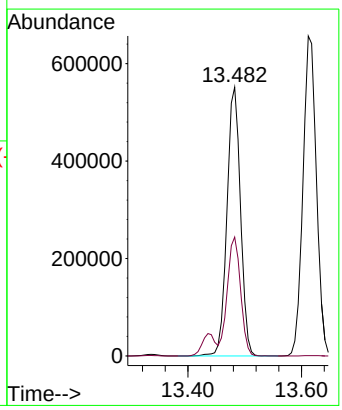


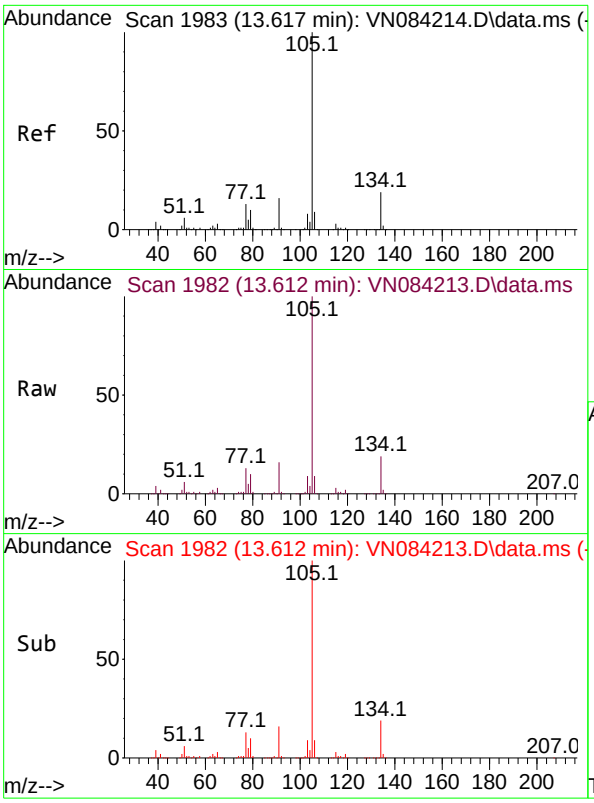


#84
1,2,4-Trimethylbenzene
Concen: 101.908 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 913037

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



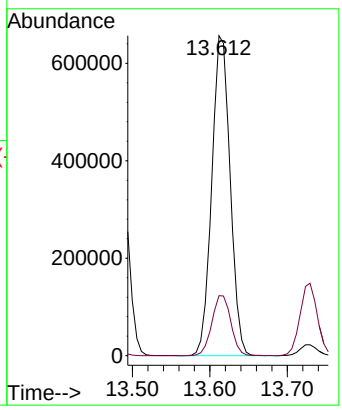


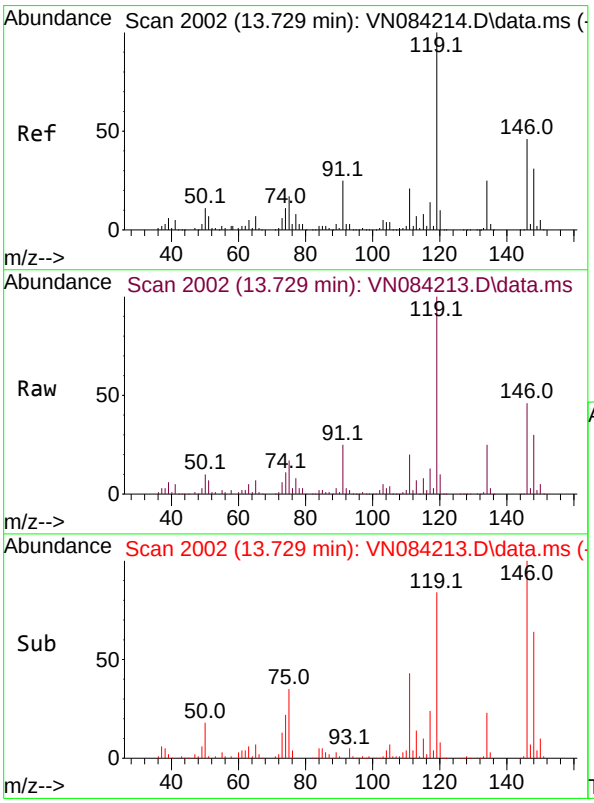
#85
sec-Butylbenzene
Concen: 102.580 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1082055

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

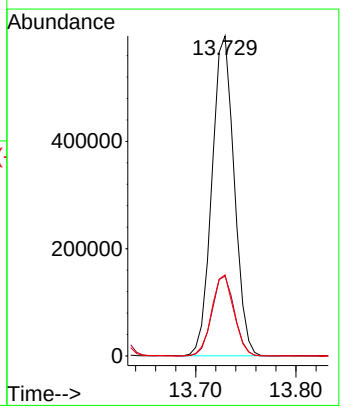


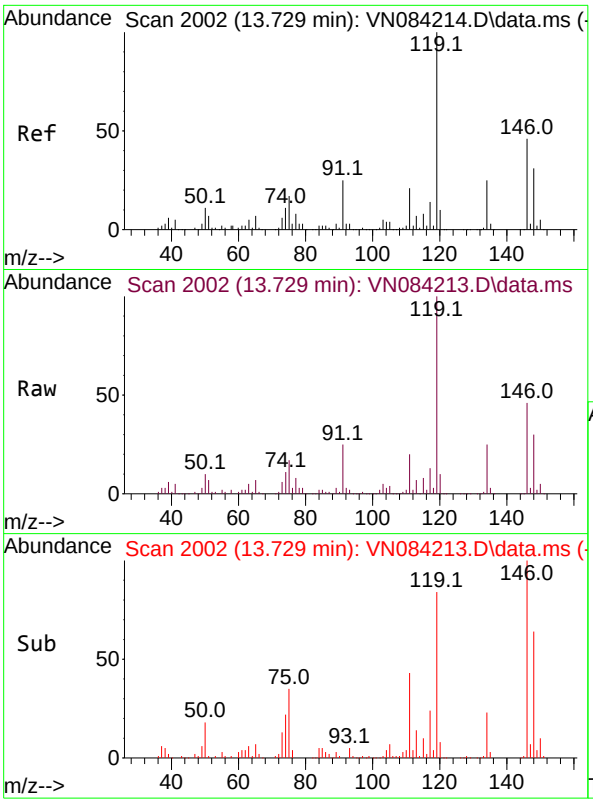


#86
p-Isopropyltoluene
Concen: 105.328 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:119 Resp: 918730

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.4	37.2



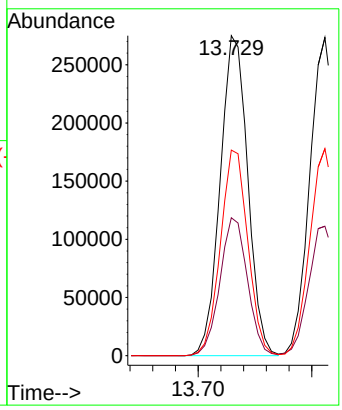


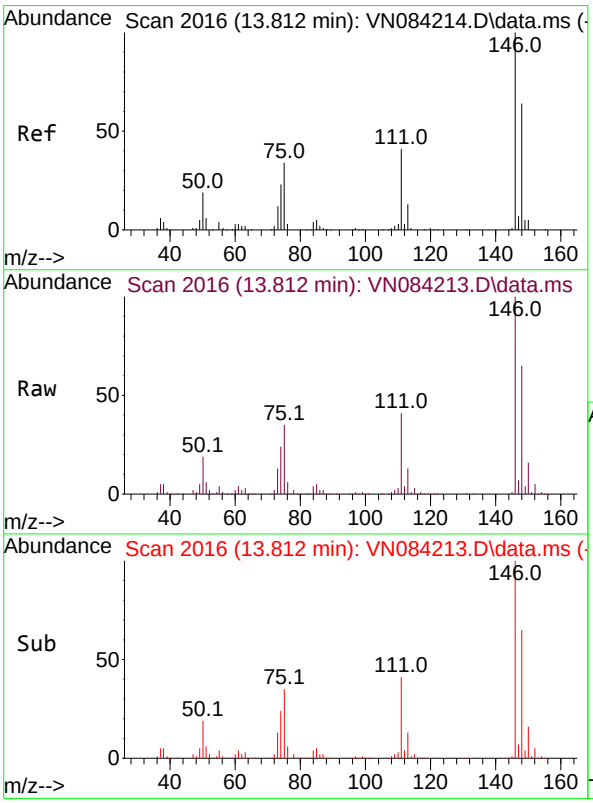
#87
1,3-Dichlorobenzene
Concen: 94.046 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 463998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.9	31.9	95.7

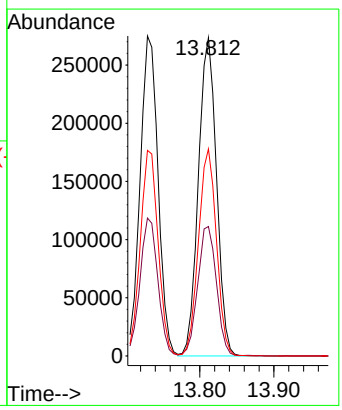


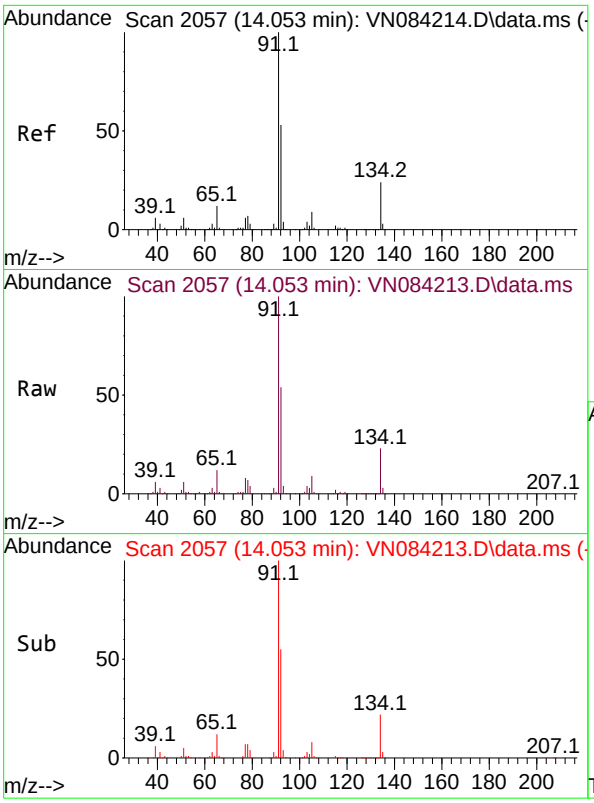


#88
1,4-Dichlorobenzene
Concen: 93.346 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 465087

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.4	31.9	95.9



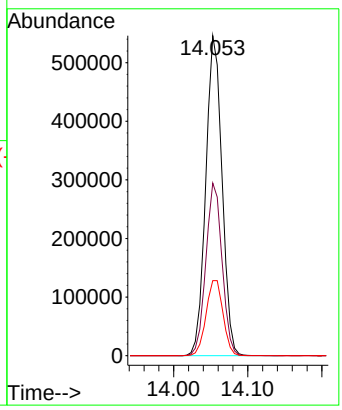


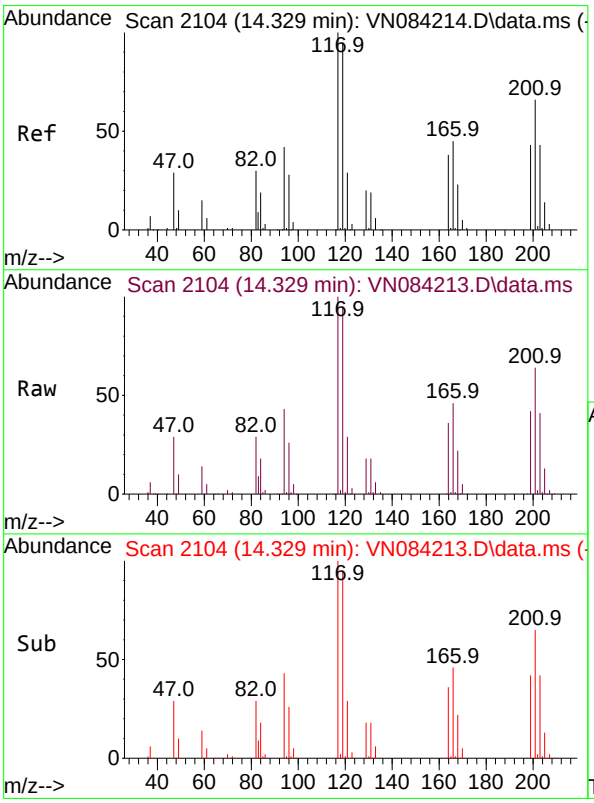
#89
n-Butylbenzene
Concen: 105.197 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 832034

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.5	12.3	36.9

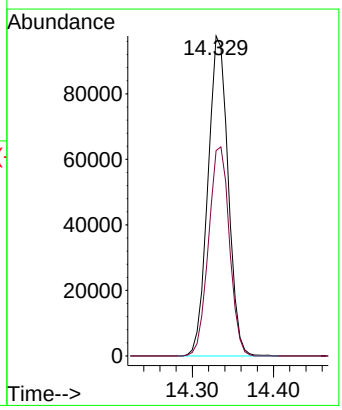


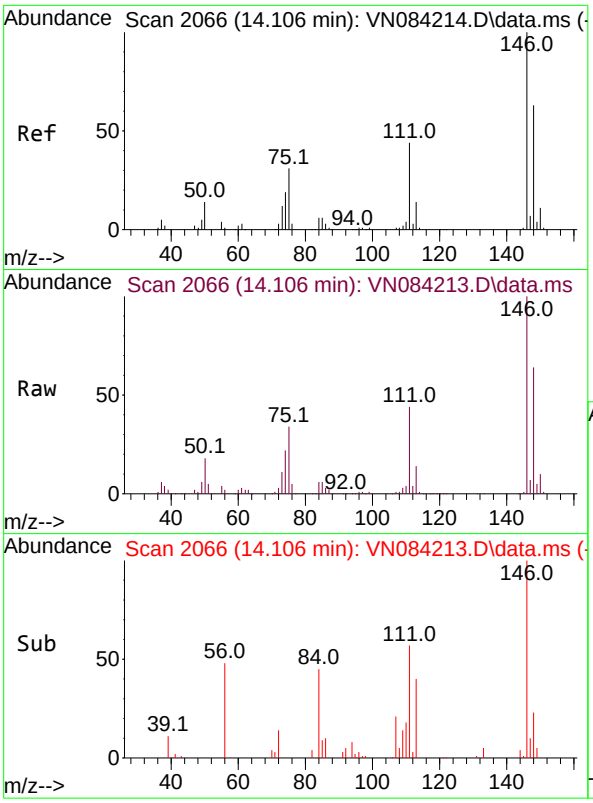


#90
Hexachloroethane
Concen: 95.289 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 168712

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



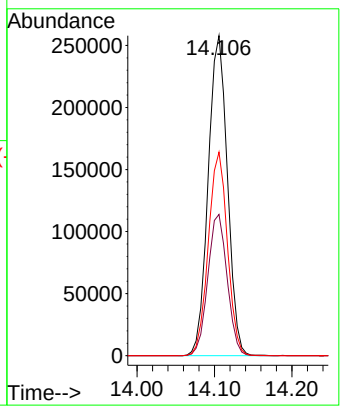


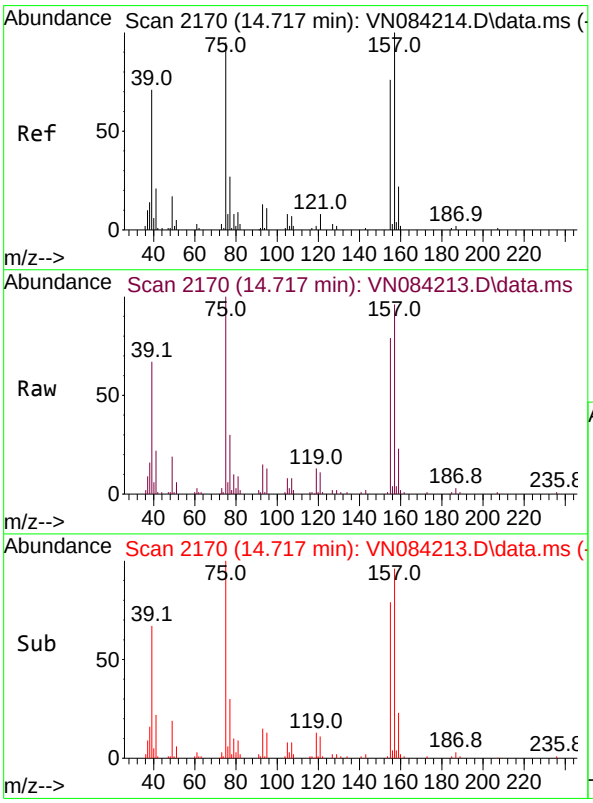
#91
1,2-Dichlorobenzene
Concen: 91.843 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 444319

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	63.1	32.1	96.3

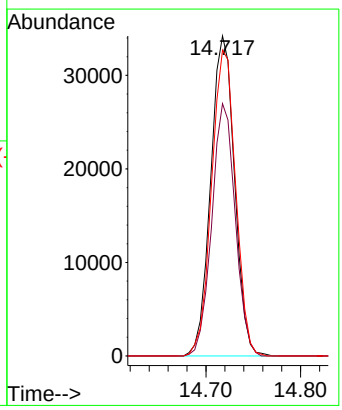


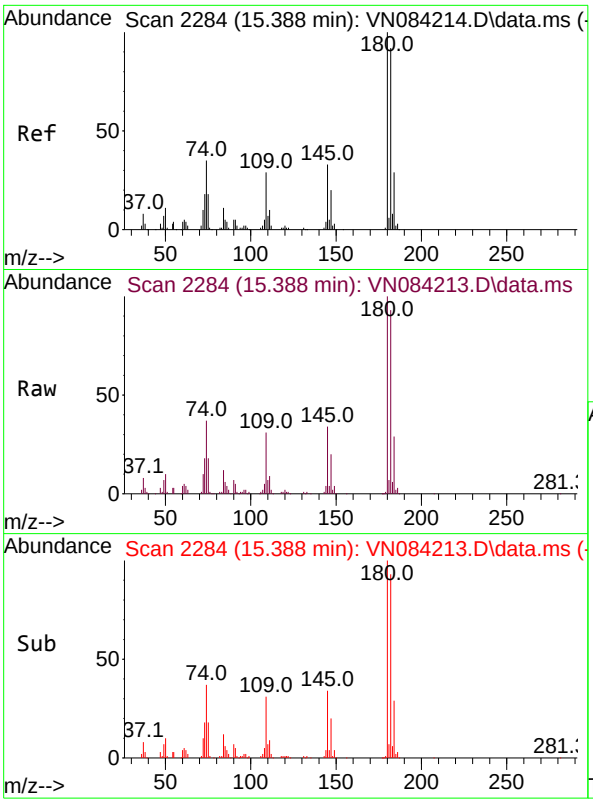


#92
1,2-Dibromo-3-Chloropropane
Concen: 88.446 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 59837

Ion	Ratio	Lower	Upper
75	100		
155	77.6	38.1	114.5
157	96.3	49.6	149.0



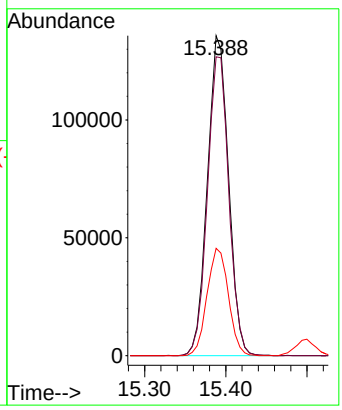


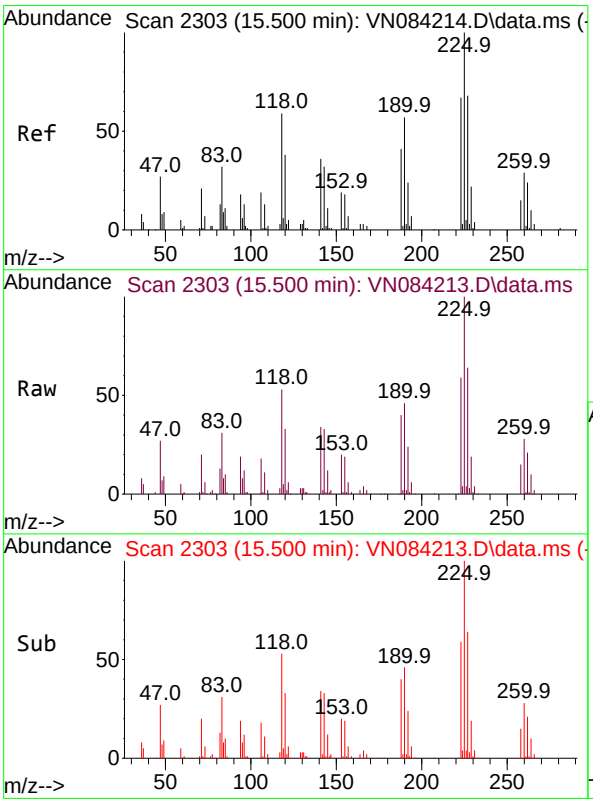
#93
1,2,4-Trichlorobenzene
Concen: 103.017 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 245477

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	33.9	16.4	49.4

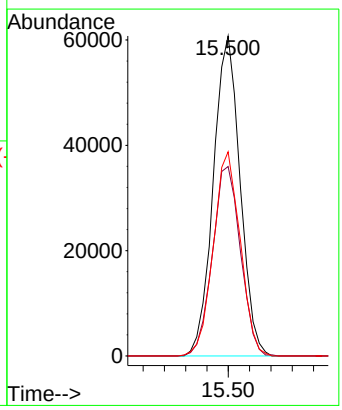


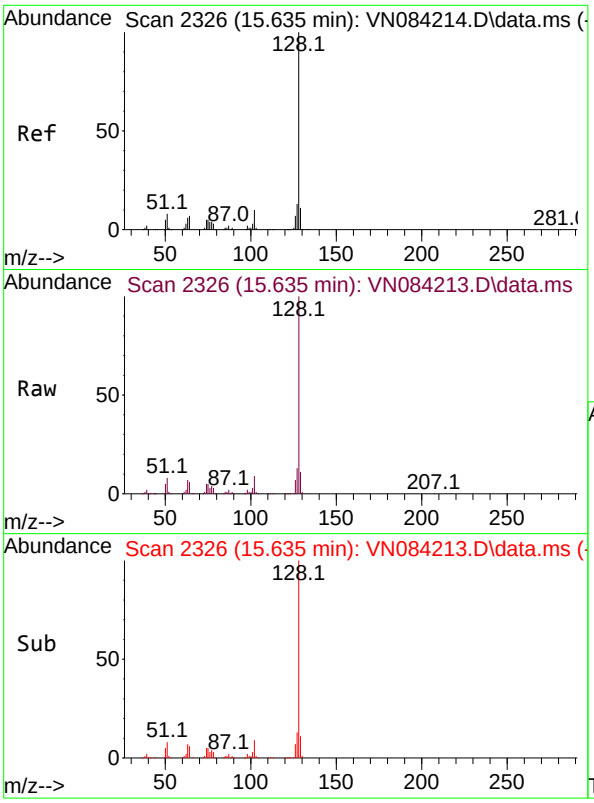


#94
Hexachlorobutadiene
Concen: 89.034 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:225 Resp: 105801

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.0	32.4	97.0



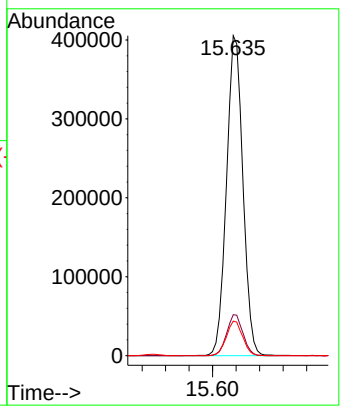


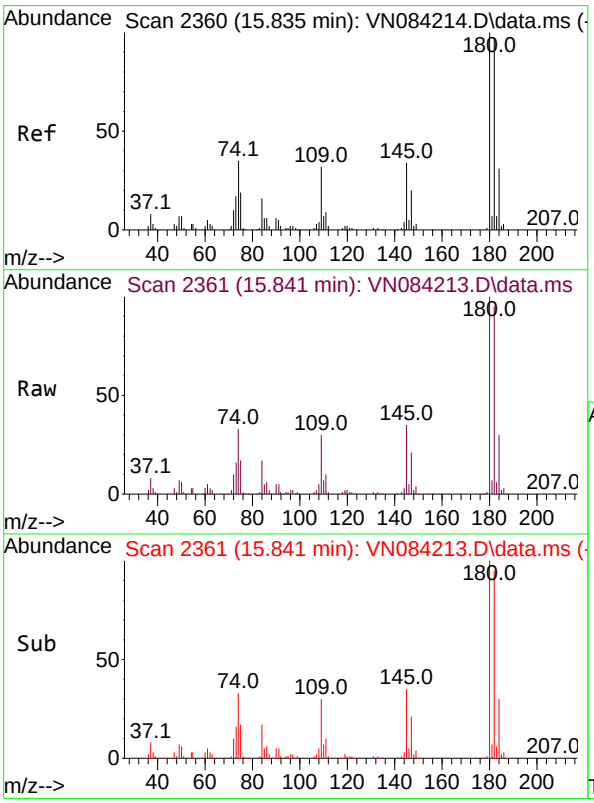
#95
Naphthalene
Concen: 99.356 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 784876

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

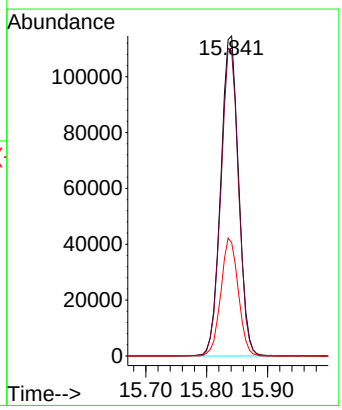




#96
1,2,3-Trichlorobenzene
Concen: 97.736 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:180 Resp: 233126

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.2	144.6
145	35.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	175379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129300	49.725	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.440%			
35) Dibromofluoromethane	8.165	113	98531	49.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.280%			
50) Toluene-d8	10.565	98	377886	51.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.847	95	137388	51.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	107530	51.835	ug/l	100
3) Chloromethane	2.359	50	117689	49.686	ug/l	100
4) Vinyl Chloride	2.518	62	117031	51.007	ug/l	100
5) Bromomethane	2.953	94	75848	50.118	ug/l	100
6) Chloroethane	3.118	64	73440	44.693	ug/l	100
7) Trichlorofluoromethane	3.495	101	185982	52.055	ug/l	100
8) Diethyl Ether	3.959	74	68385	51.608	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	103552	50.583	ug/l	100
10) Methyl Iodide	4.595	142	141310	53.600	ug/l	100
11) Tert butyl alcohol	5.524	59	107986	251.850	ug/l	100
12) 1,1-Dichloroethene	4.342	96	102934	52.128	ug/l	100
13) Acrolein	4.177	56	124940	253.821	ug/l	100
14) Allyl chloride	5.024	41	174518	50.889	ug/l	100
15) Acrylonitrile	5.718	53	277346	256.145	ug/l	100
16) Acetone	4.424	43	299515	268.132	ug/l	100
17) Carbon Disulfide	4.712	76	302183	48.335	ug/l	100
18) Methyl Acetate	5.018	43	124007	50.934	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	356478	53.487	ug/l	100
20) Methylene Chloride	5.277	84	114918	50.609	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	109048	52.711	ug/l	100
22) Diisopropyl ether	6.671	45	379516	53.501	ug/l	100
23) Vinyl Acetate	6.600	43	1444909	273.176	ug/l	100
24) 1,1-Dichloroethane	6.571	63	209222	52.742	ug/l	100
25) 2-Butanone	7.483	43	396369	260.524	ug/l	100
26) 2,2-Dichloropropane	7.488	77	189745	53.050	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	129873	51.951	ug/l	100
28) Bromochloromethane	7.812	49	86584	48.919	ug/l	100
29) Tetrahydrofuran	7.835	42	248328	264.488	ug/l	100
30) Chloroform	7.965	83	211178	51.249	ug/l	100
31) Cyclohexane	8.253	56	187282	48.624	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	193315	52.237	ug/l	100
36) 1,1-Dichloropropene	8.371	75	154855	53.172	ug/l	100
37) Ethyl Acetate	7.559	43	153024	51.216	ug/l	100
38) Carbon Tetrachloride	8.359	117	167086	52.301	ug/l	100
39) Methylcyclohexane	9.600	83	177433	54.741	ug/l	100
40) Benzene	8.606	78	472170	52.037	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	87365	53.861	ug/l		100
42) 1,2-Dichloroethane	8.671	62	160606	52.210	ug/l		100
43) Isopropyl Acetate	8.688	43	272992	46.667	ug/l		100
44) Trichloroethene	9.347	130	110119	51.961	ug/l		100
45) 1,2-Dichloropropane	9.618	63	114143	53.176	ug/l		100
46) Dibromomethane	9.706	93	79007	54.542	ug/l		100
47) Bromodichloromethane	9.888	83	169263	52.595	ug/l		100
48) Methyl methacrylate	9.677	41	127042	54.534	ug/l		100
49) 1,4-Dioxane	9.694	88	44512	1037.858	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	772927	271.750	ug/l		100
52) Toluene	10.629	92	295099	53.332	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	179453	54.703	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	193952	54.966	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	106288	53.583	ug/l		100
56) Ethyl methacrylate	10.871	69	183059	56.085	ug/l		100
57) 1,3-Dichloropropane	11.159	76	187372	52.864	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	426364	281.593	ug/l		100
59) 2-Hexanone	11.194	43	588361	276.767	ug/l		100
60) Dibromochloromethane	11.359	129	126992	54.184	ug/l		100
61) 1,2-Dibromoethane	11.465	107	108817	52.794	ug/l		100
64) Tetrachloroethene	11.100	164	94966	51.486	ug/l		100
65) Chlorobenzene	11.888	112	309849	52.770	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	106981	52.897	ug/l		100
67) Ethyl Benzene	11.959	91	561770	54.100	ug/l		100
68) m/p-Xylenes	12.071	106	427131	111.201	ug/l		100
69) o-Xylene	12.394	106	204854	56.370	ug/l		100
70) Styrene	12.412	104	347383	56.434	ug/l		100
71) Bromoform	12.576	173	83487	56.070	ug/l	#	100
73) Isopropylbenzene	12.694	105	527625	54.145	ug/l		100
74) N-amyl acetate	12.494	43	237131	53.738	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	151079	51.560	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	203575	79.983	ug/l		62
77) Bromobenzene	12.982	156	120918	51.442	ug/l		100
78) n-propylbenzene	13.035	91	626503	55.490	ug/l		100
79) 2-Chlorotoluene	13.123	91	384795	53.411	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	445807	56.084	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57572	52.943	ug/l		100
82) 4-Chlorotoluene	13.217	91	386854	53.341	ug/l		100
83) tert-Butylbenzene	13.435	119	386532	54.711	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	449720	56.161	ug/l		100
85) sec-Butylbenzene	13.617	105	529076	56.119	ug/l		100
86) p-Isopropyltoluene	13.729	119	448148	57.485	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	228219	51.755	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	227835	51.163	ug/l		100
89) n-Butylbenzene	14.053	91	394831	55.854	ug/l		100
90) Hexachloroethane	14.329	117	81626	51.582	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	218378	50.506	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30379	50.241	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	119164	55.953	ug/l		100
94) Hexachlorobutadiene	15.500	225	50680	47.718	ug/l		100
95) Naphthalene	15.635	128	393177	55.688	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	114483	53.701	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

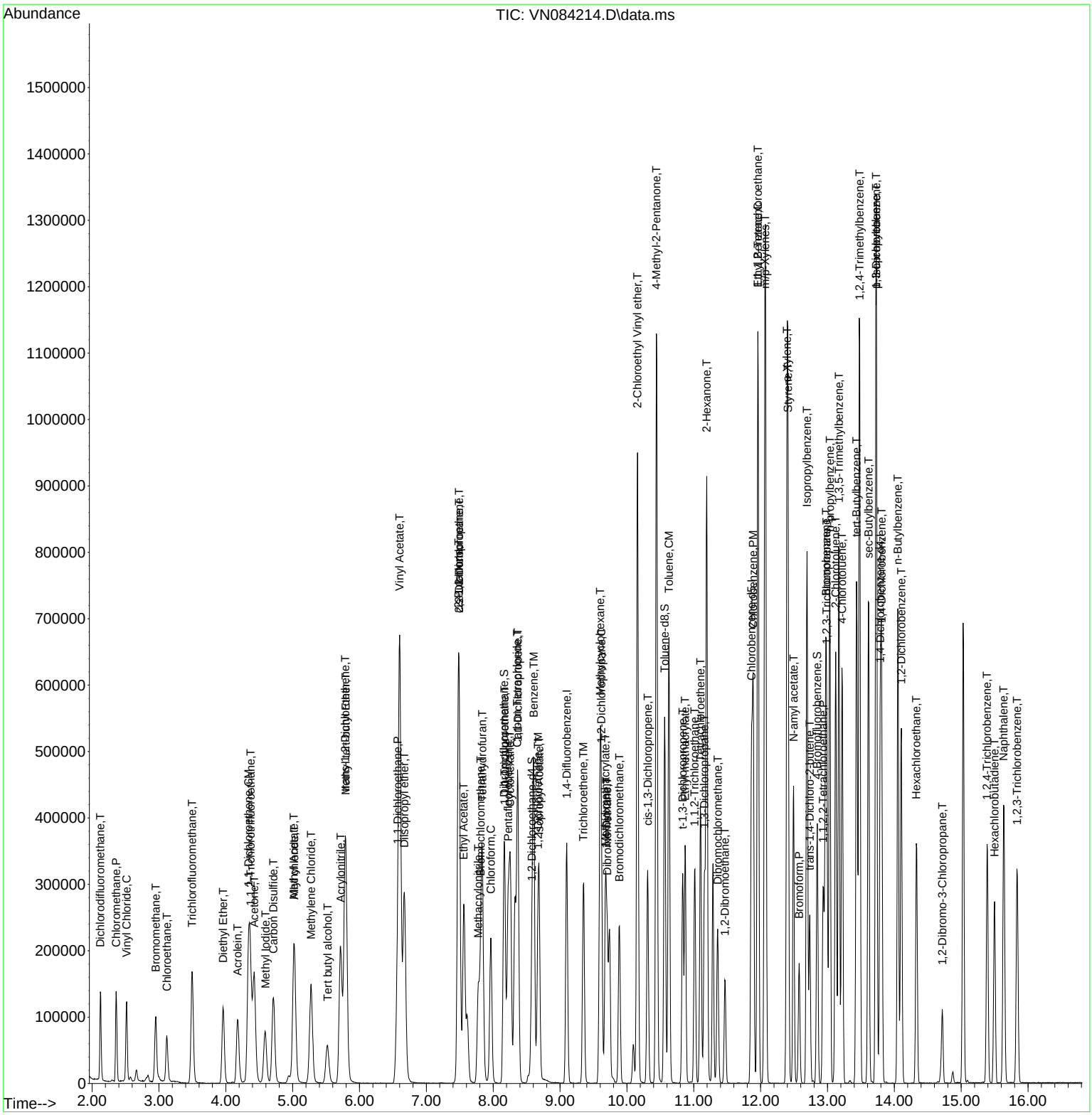
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

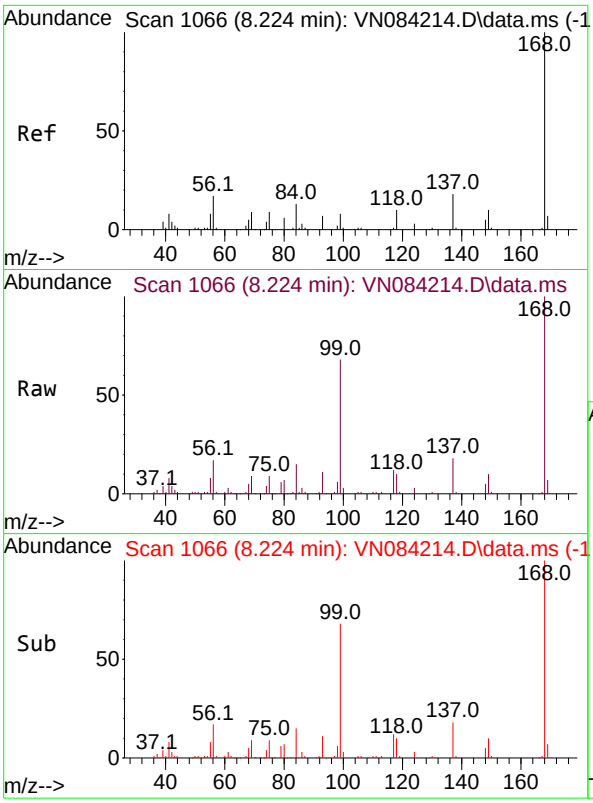
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



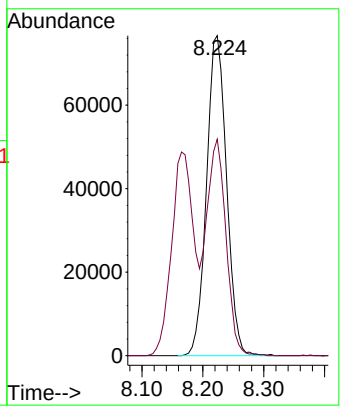


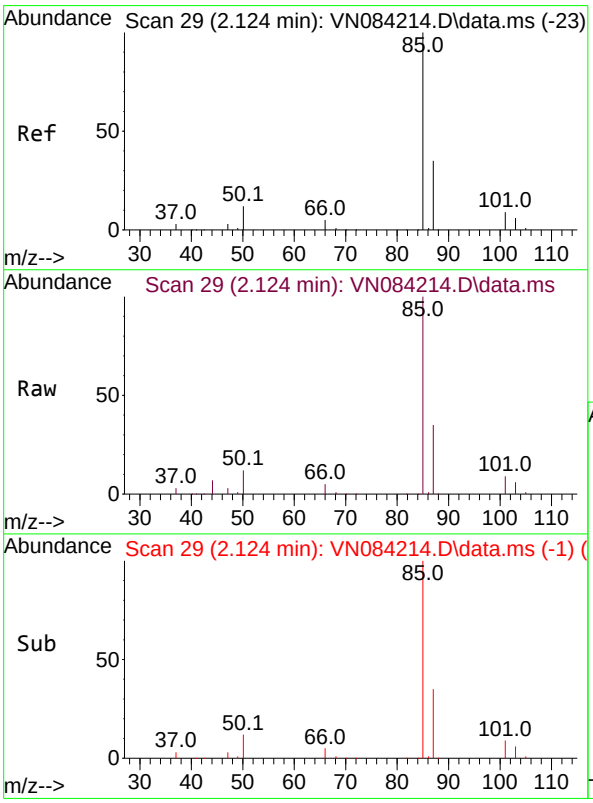
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 175379

Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.2	81.2

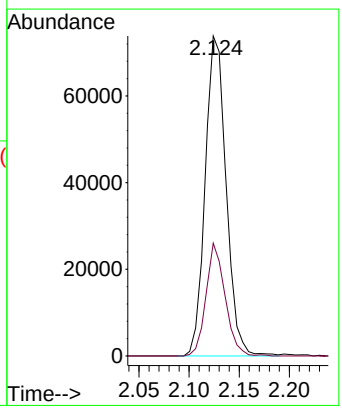


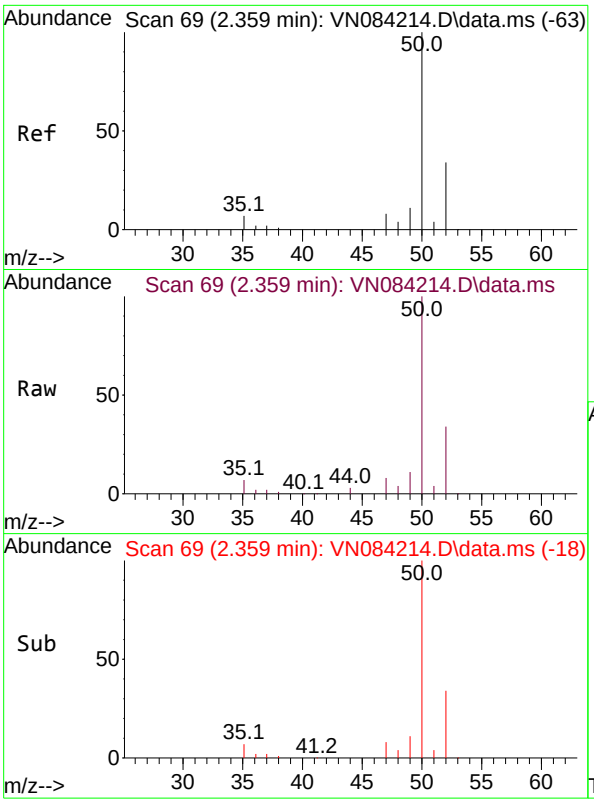


#2
Dichlorodifluoromethane
Concen: 51.835 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.6	52.9



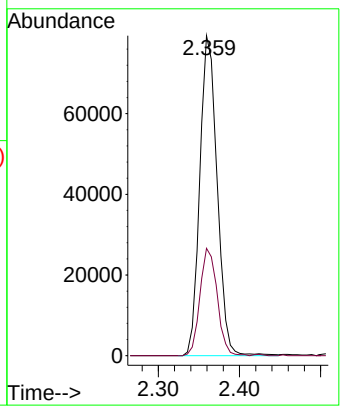


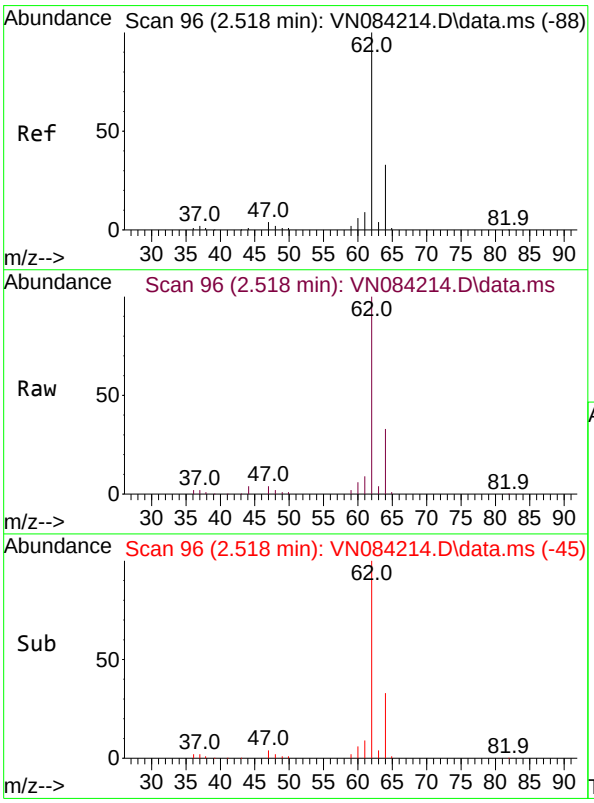
#3
Chloromethane
Concen: 49.686 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 117689

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

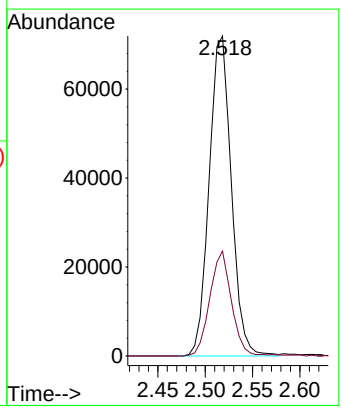


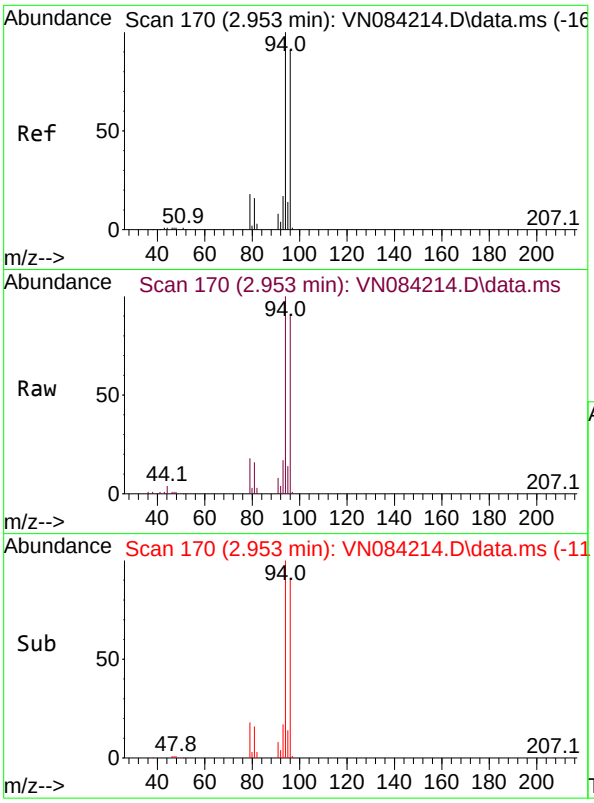


#4
Vinyl Chloride
Concen: 51.007 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 117031

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



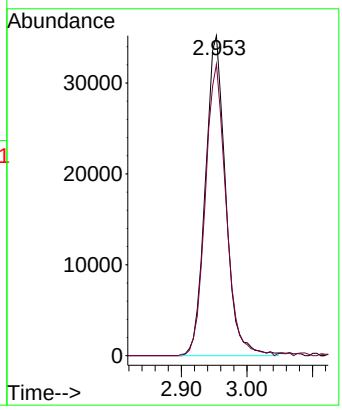


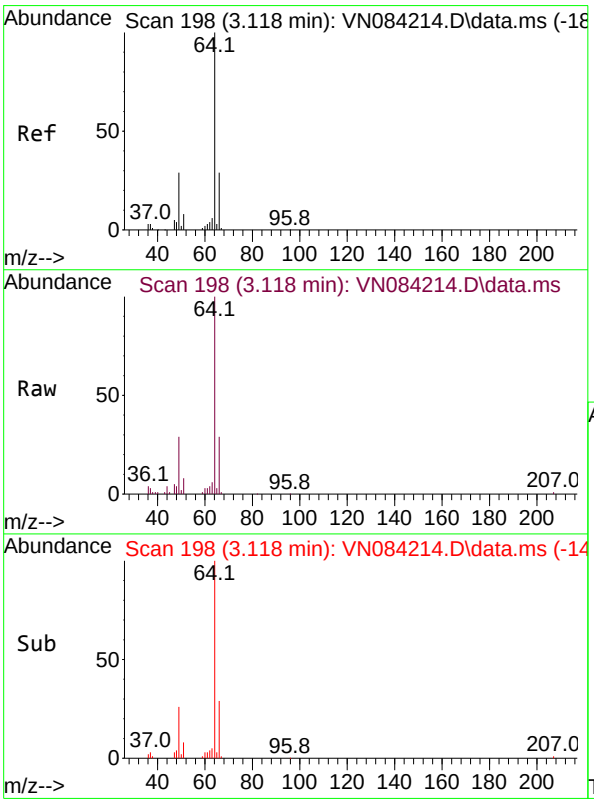
#5
Bromomethane
Concen: 50.118 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 75848

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3

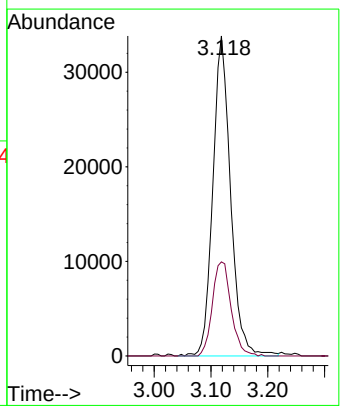


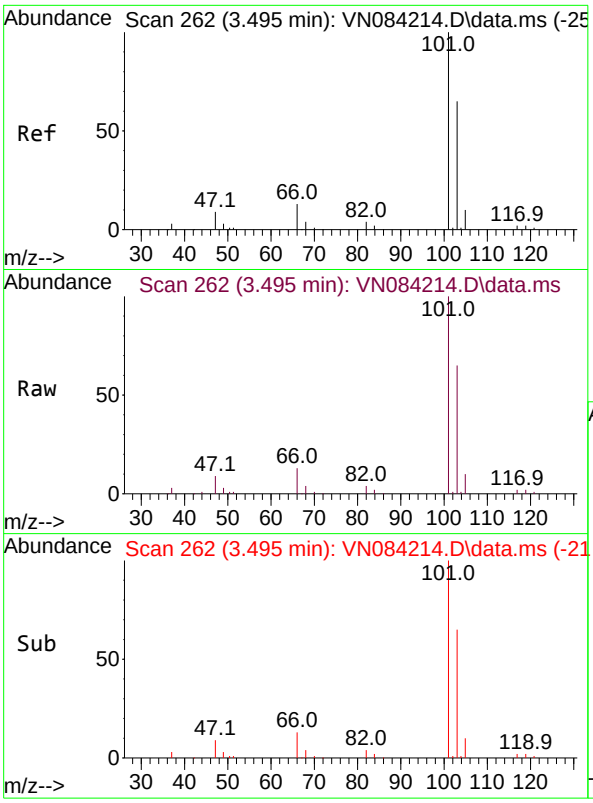


#6
Chloroethane
Concen: 44.693 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 64 Resp: 73440

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.5	35.3



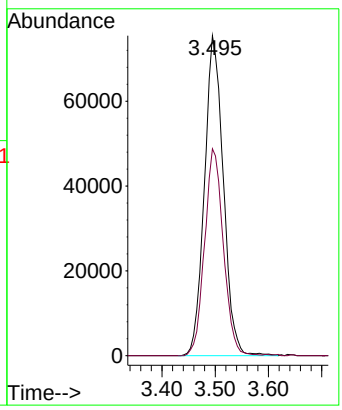


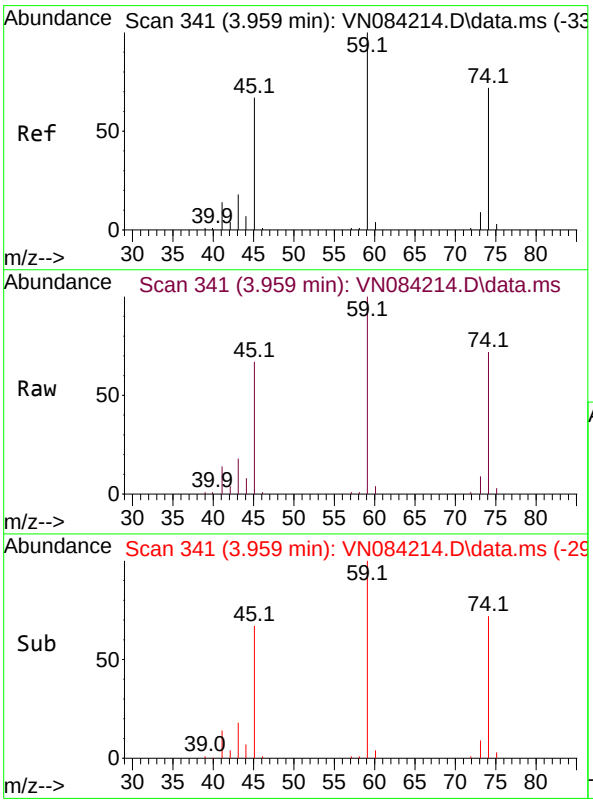
#7
Trichlorofluoromethane
Concen: 52.055 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 185982

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

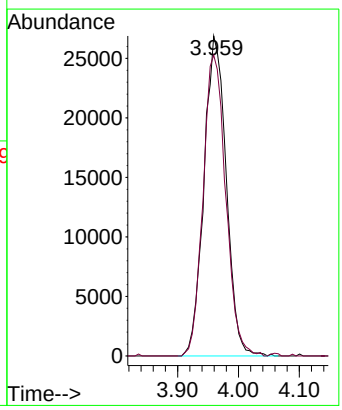


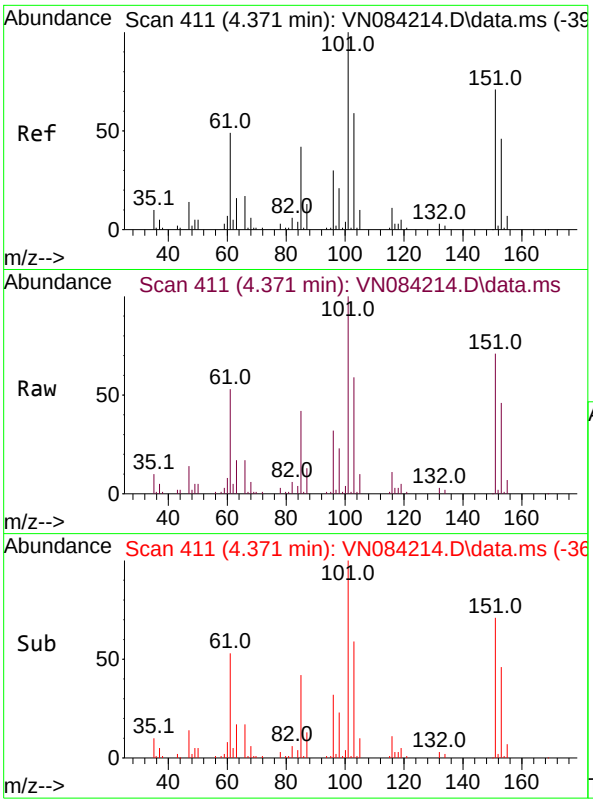


#8
Diethyl Ether
Concen: 51.608 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 74 Resp: 68385

Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.7	143.1



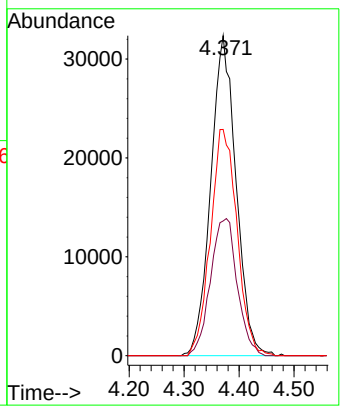


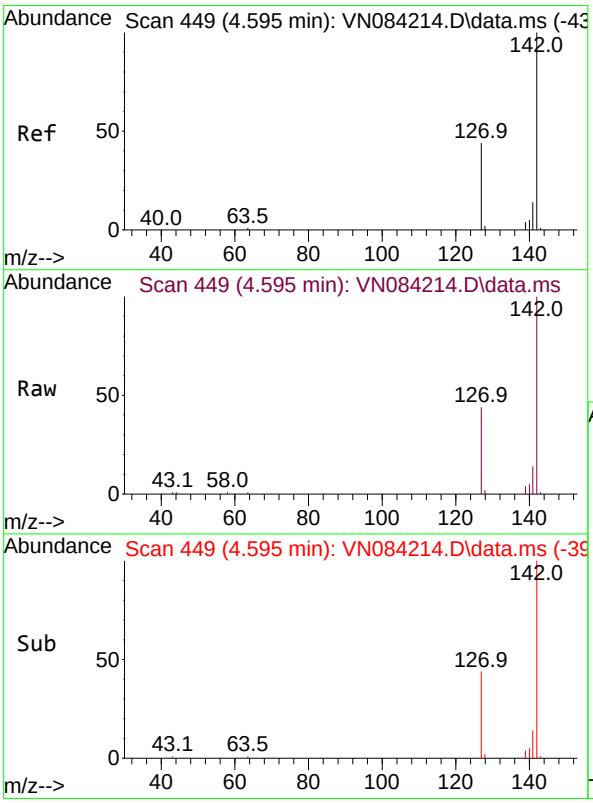
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.583 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103552

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	74.1	59.3	88.9

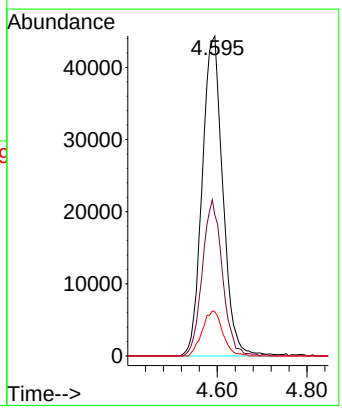


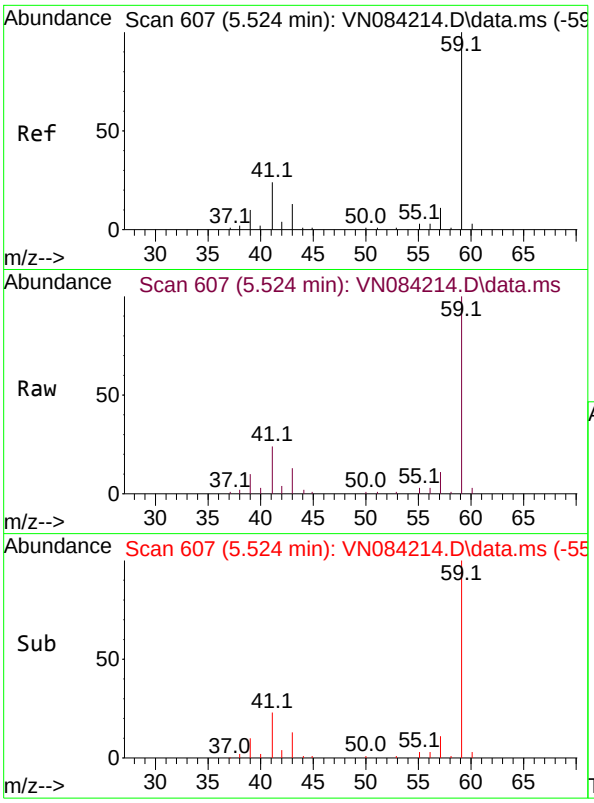


#10
Methyl Iodide
Concen: 53.600 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:142 Resp: 141310

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.3	52.9
141	13.8	11.0	16.6



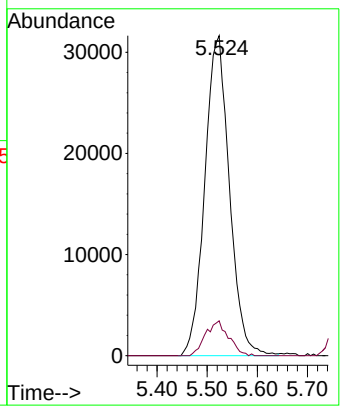


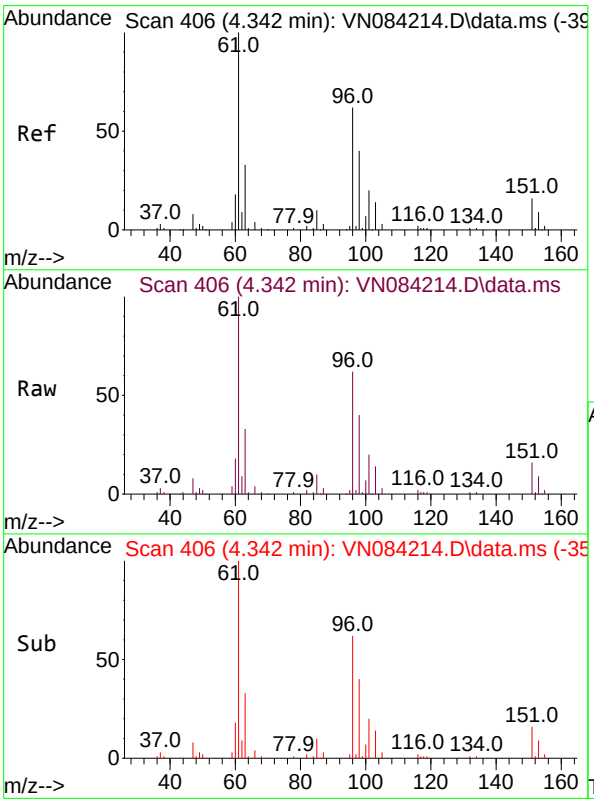
#11
Tert butyl alcohol
Concen: 251.850 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 107986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

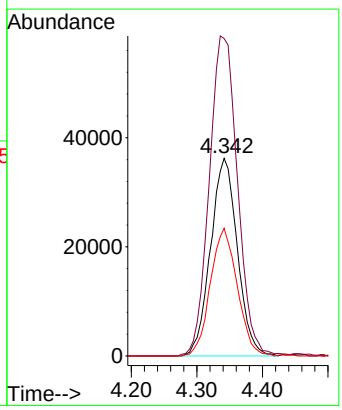


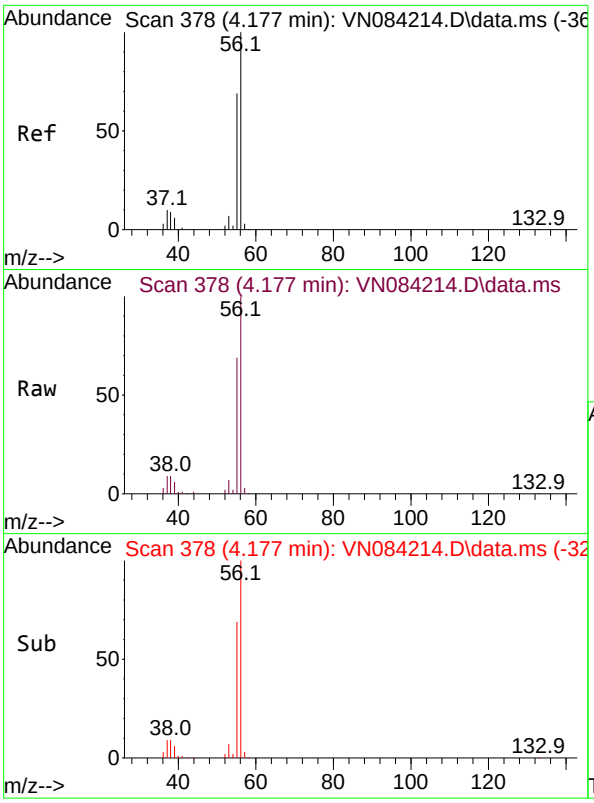


#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 102934

Ion	Ratio	Lower	Upper
96	100		
61	160.7	128.6	192.8
98	64.6	51.7	77.5



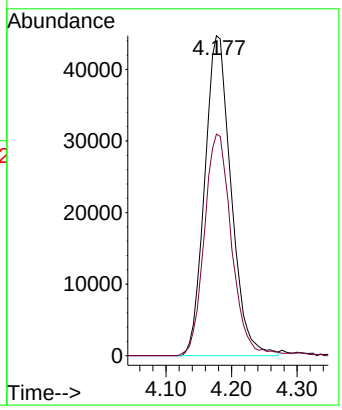


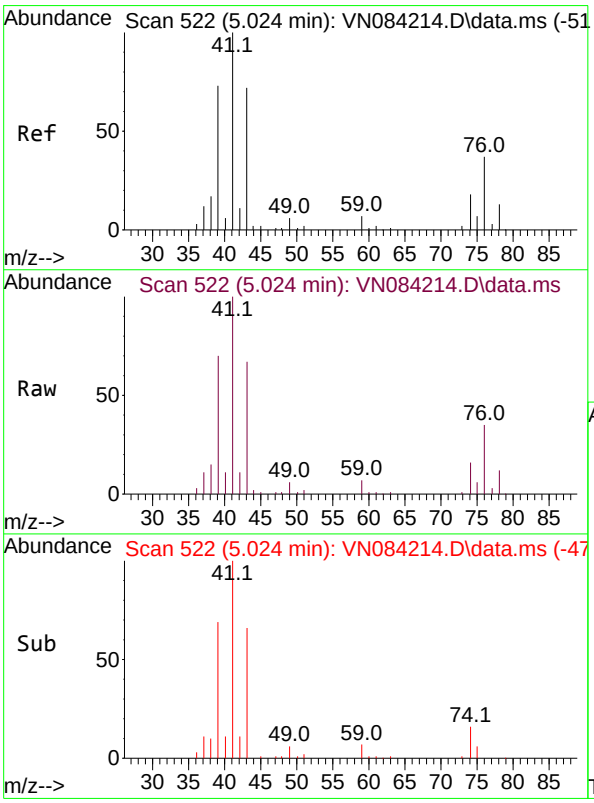
#13
Acrolein
Concen: 253.821 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 124940

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

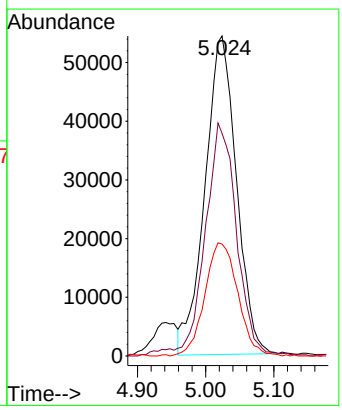


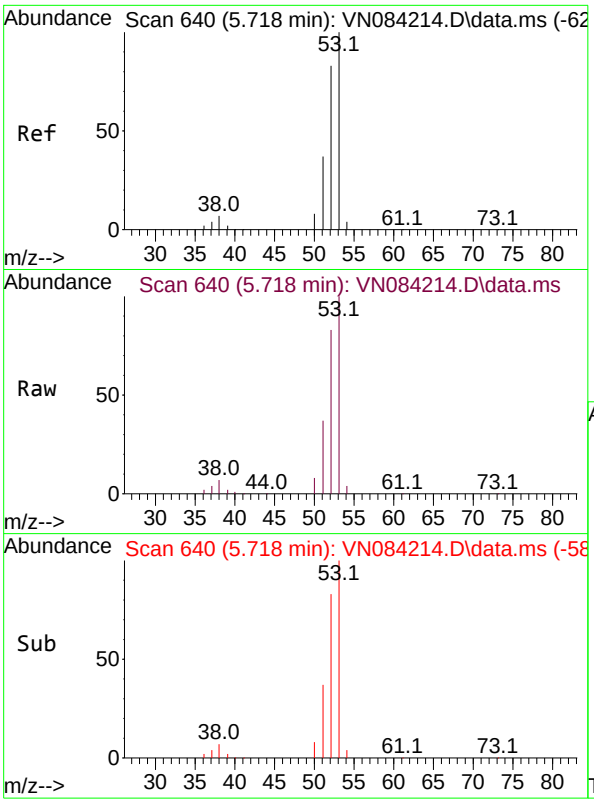


#14
Allyl chloride
Concen: 50.889 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 174518

Ion	Ratio	Lower	Upper
41	100		
39	73.8	59.0	88.6
76	37.2	29.8	44.6



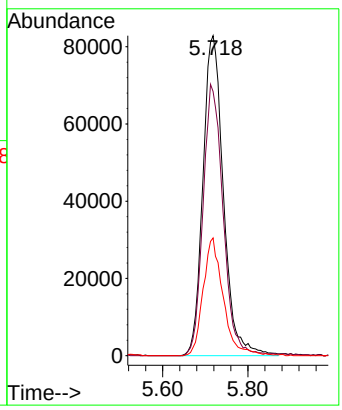


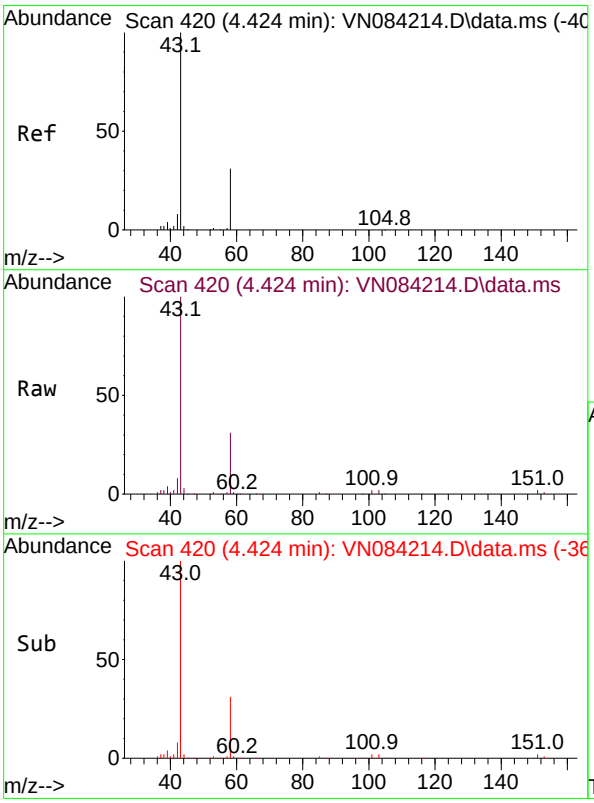
#15
Acrylonitrile
Concen: 256.145 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 277346

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.0	28.8	43.2

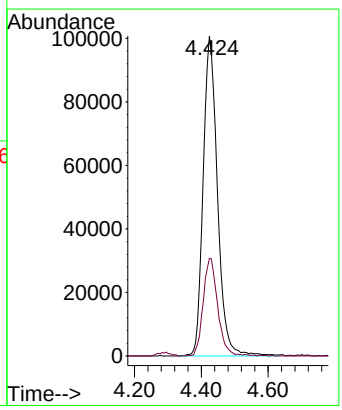


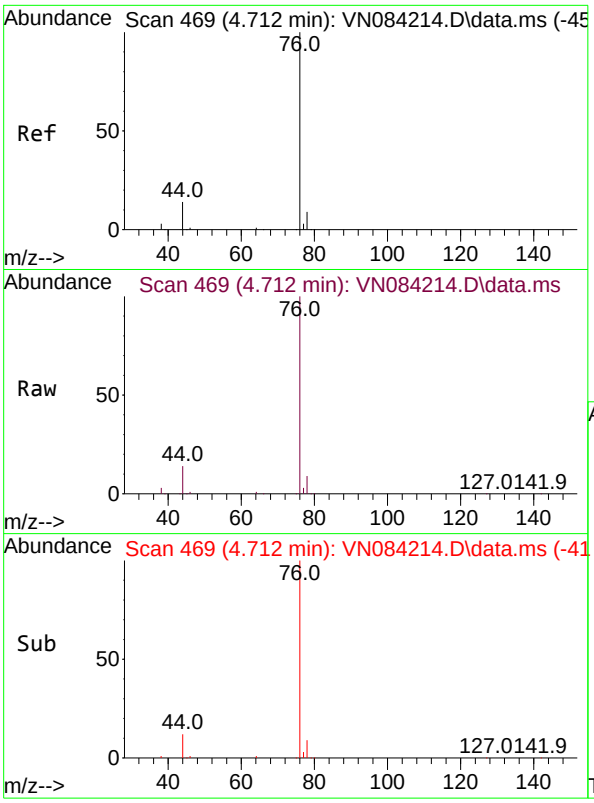


#16
Acetone
Concen: 268.132 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 299515

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6



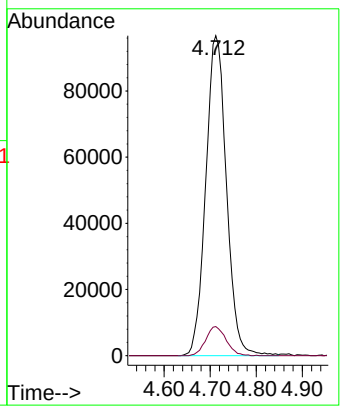


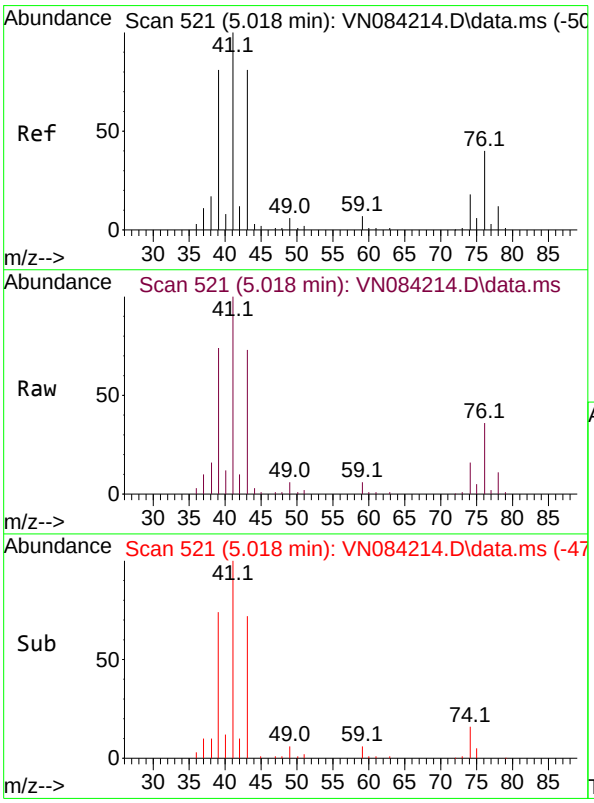
#17
Carbon Disulfide
Concen: 48.335 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 302183

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

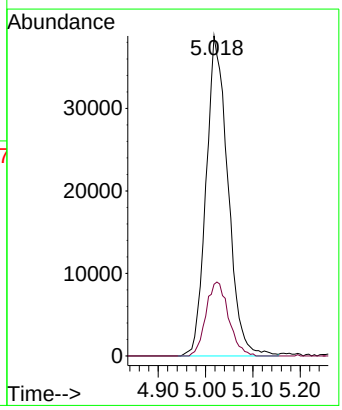


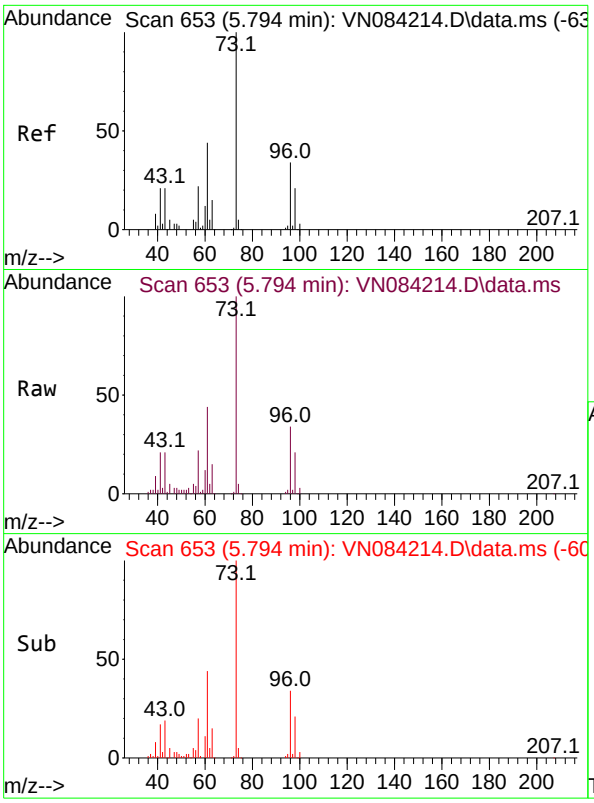


#18
Methyl Acetate
Concen: 50.934 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 124007

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



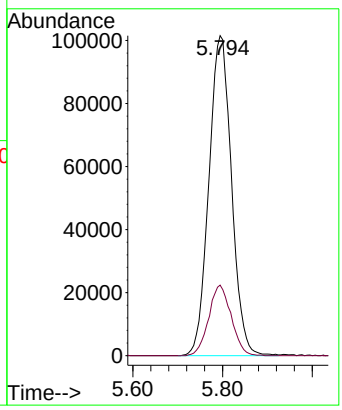


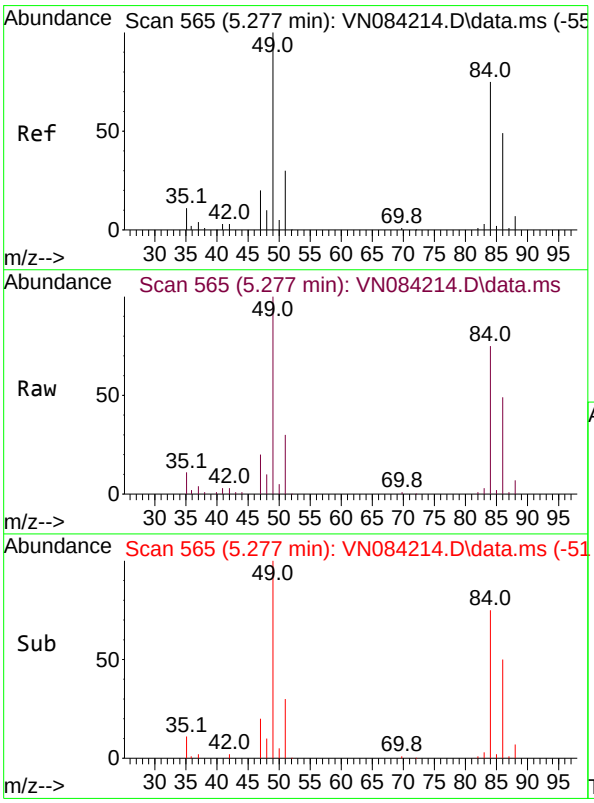
#19
Methyl tert-butyl Ether
Concen: 53.487 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 356478

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

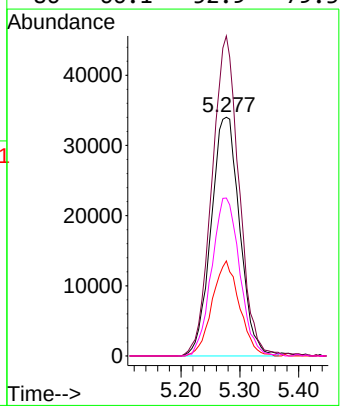


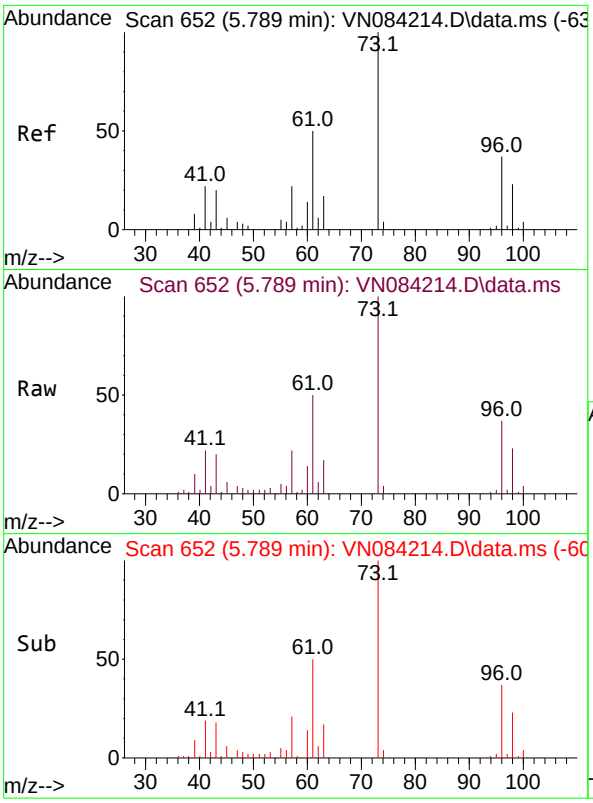


#20
Methylene Chloride
Concen: 50.609 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 84 Resp: 114918

Ion	Ratio	Lower	Upper
84	100		
49	134.0	107.2	160.8
51	39.8	31.8	47.8
86	66.1	52.9	79.3



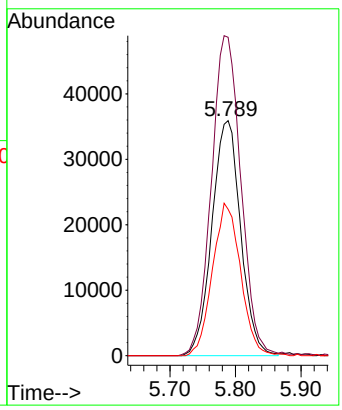


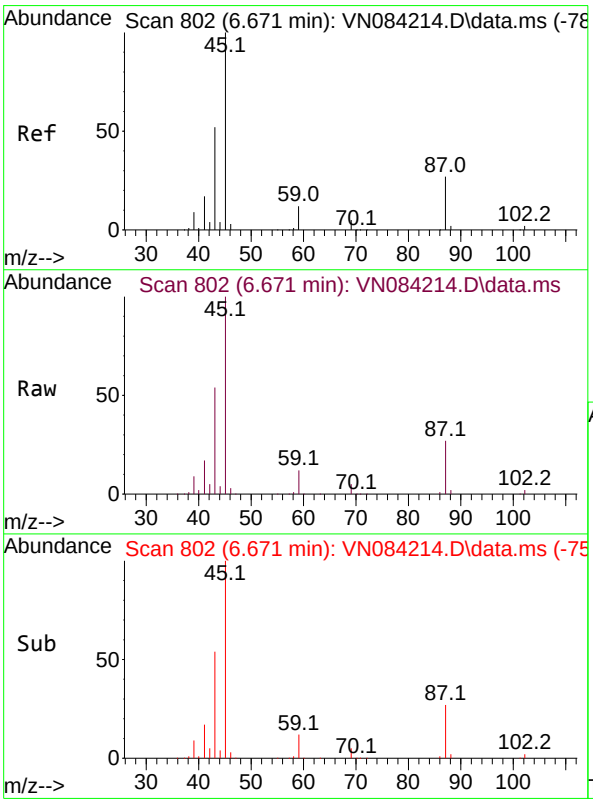
#21
trans-1,2-Dichloroethene
Concen: 52.711 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 109048

Ion	Ratio	Lower	Upper
96	100		
61	135.5	108.4	162.6
98	62.3	49.8	74.8

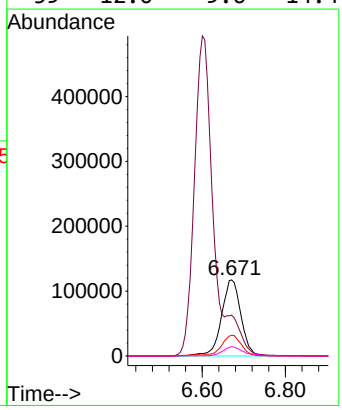


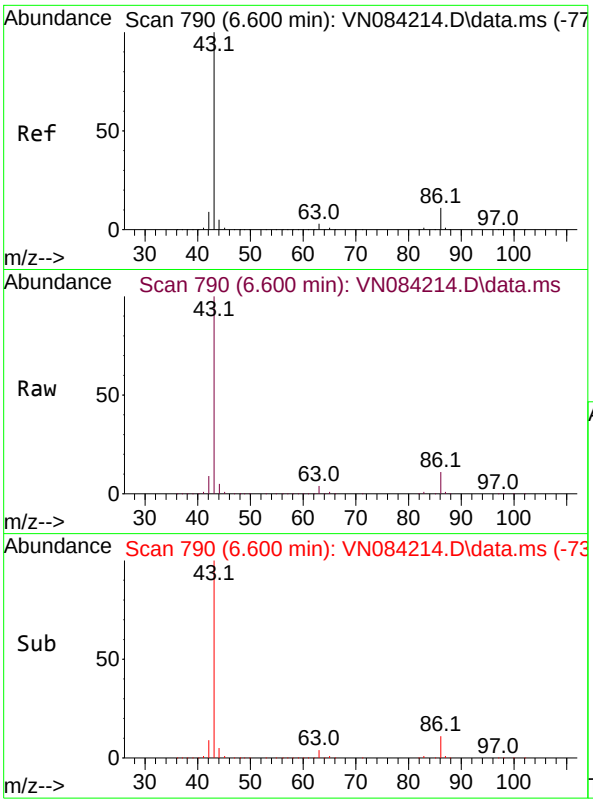


#22
Diisopropyl ether
Concen: 53.501 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 45 Resp: 379516

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	27.2	21.8	32.6
59	12.0	9.6	14.4



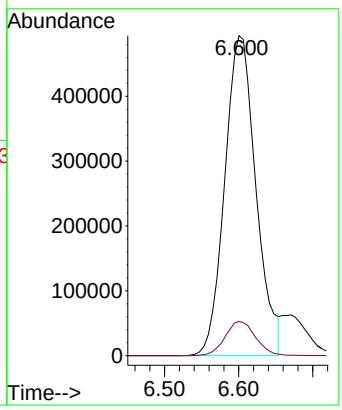


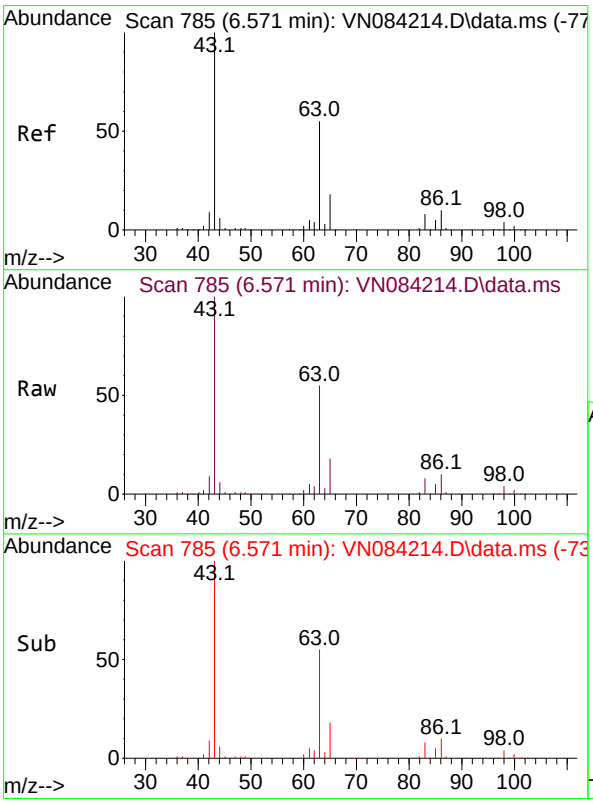
#23
Vinyl Acetate
Concen: 273.176 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1444909

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

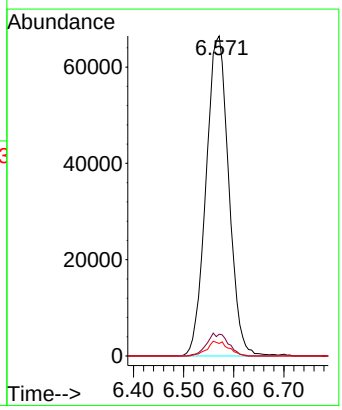


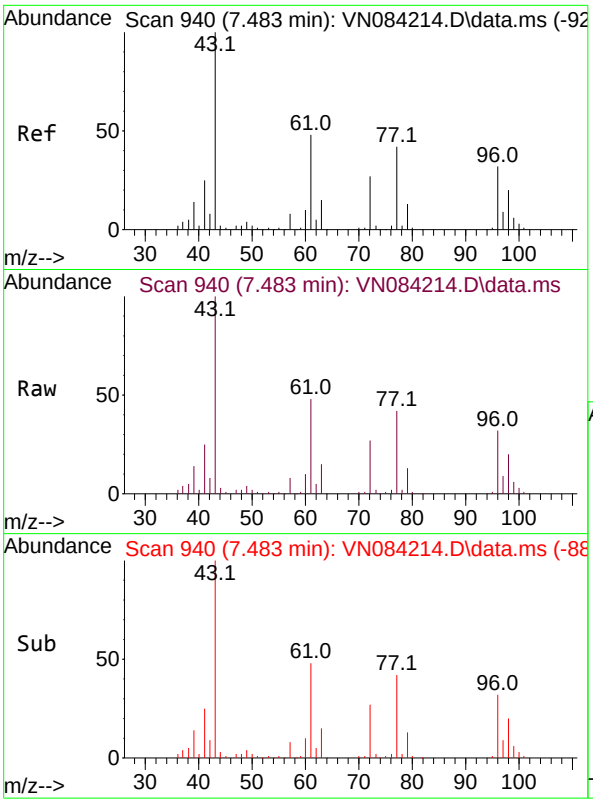


#24
1,1-Dichloroethane
Concen: 52.742 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 209222

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	3.9	2.0	5.8



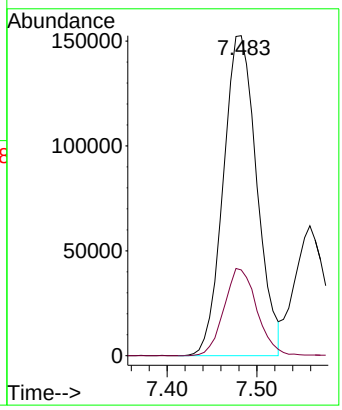


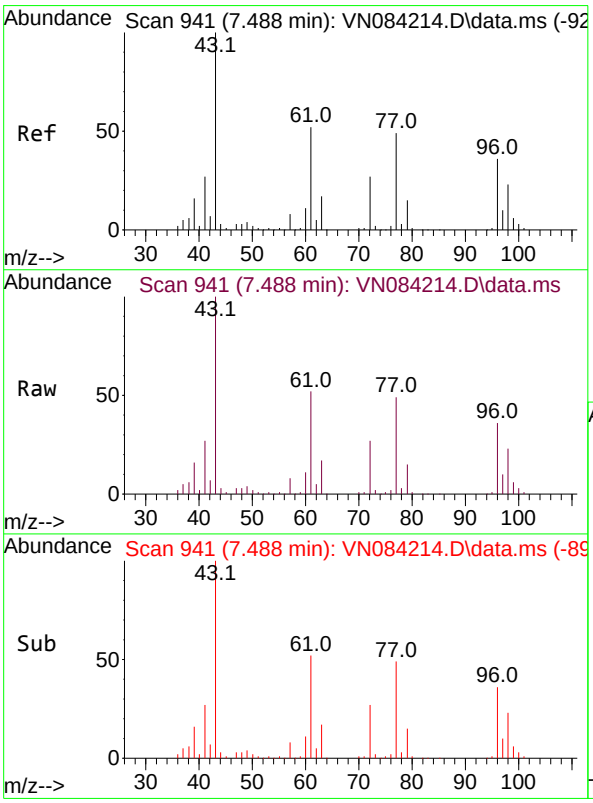
#25
2-Butanone
Concen: 260.524 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 396369

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

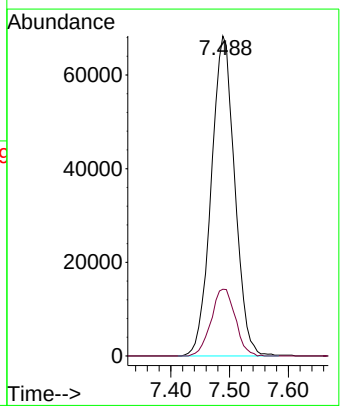


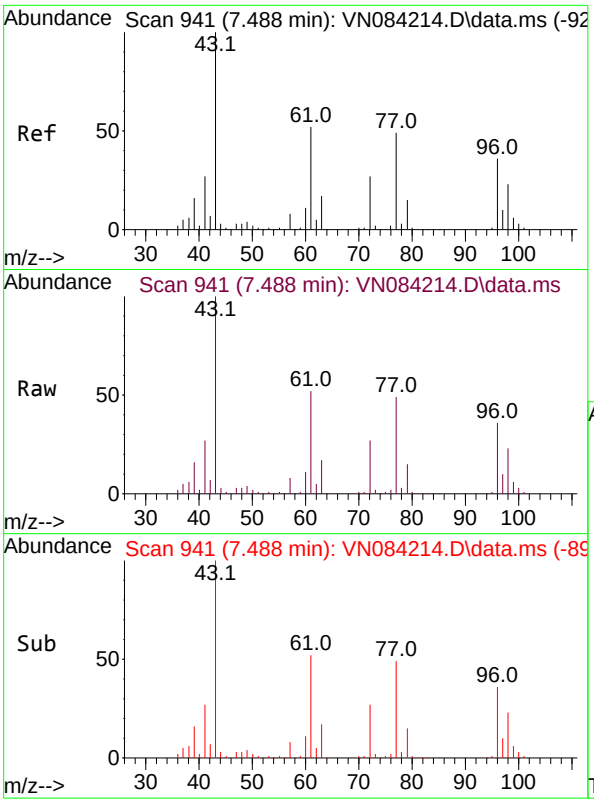


#26
2,2-Dichloropropane
Concen: 53.050 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 77 Resp: 189745

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



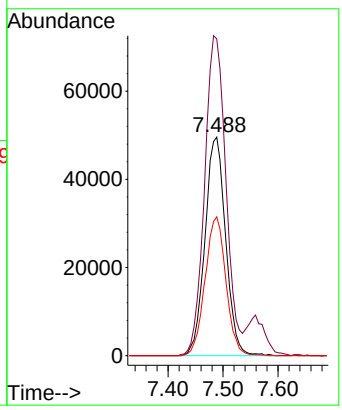


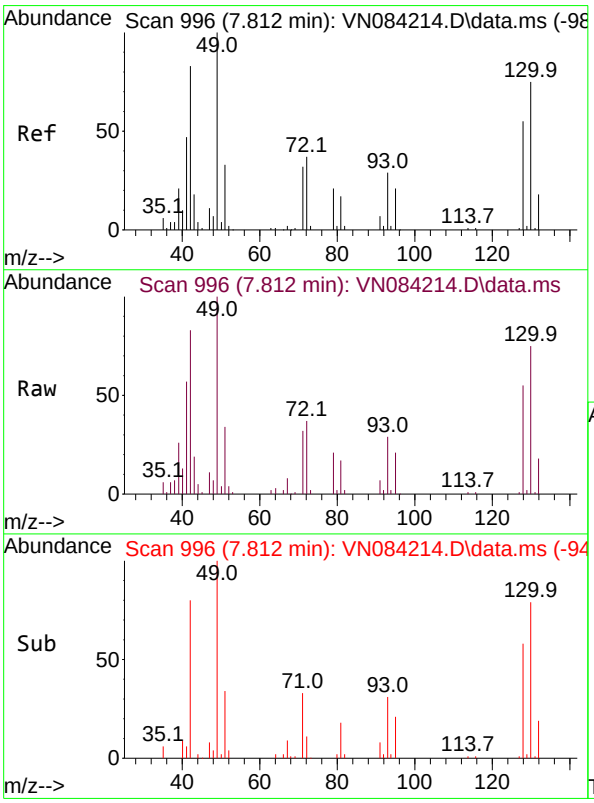
#27
cis-1,2-Dichloroethene
Concen: 51.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 129873

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	301.8
98	64.1	0.0	128.2

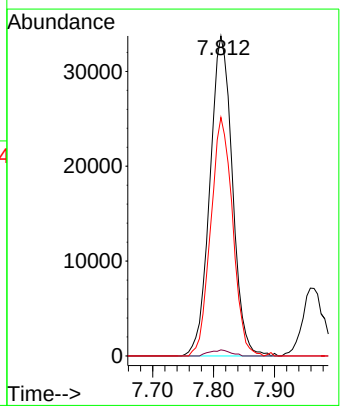


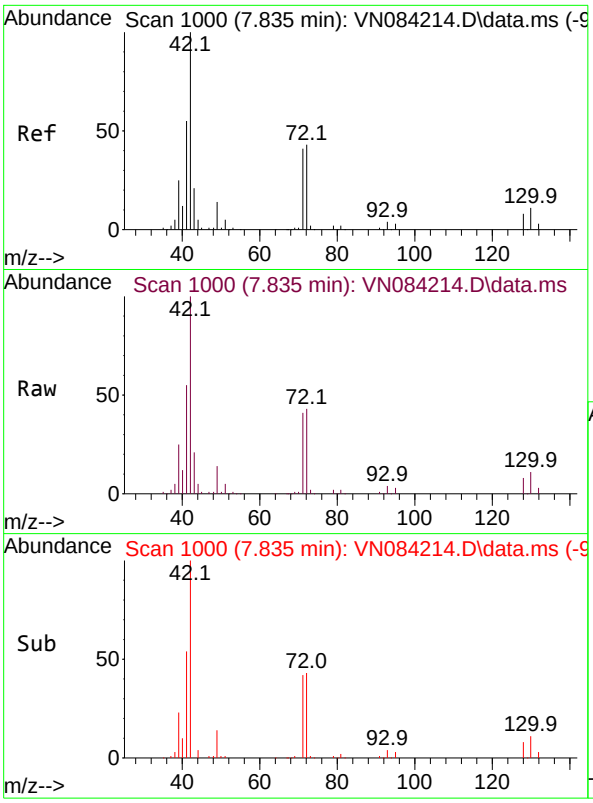


#28
Bromochloromethane
Concen: 48.919 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 49 Resp: 86584

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.5	58.0	87.0



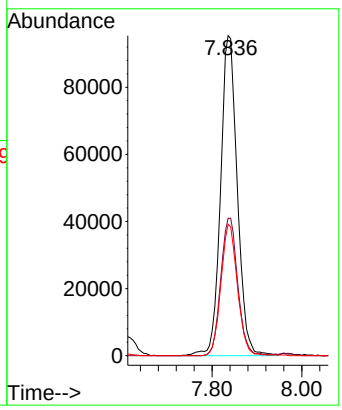


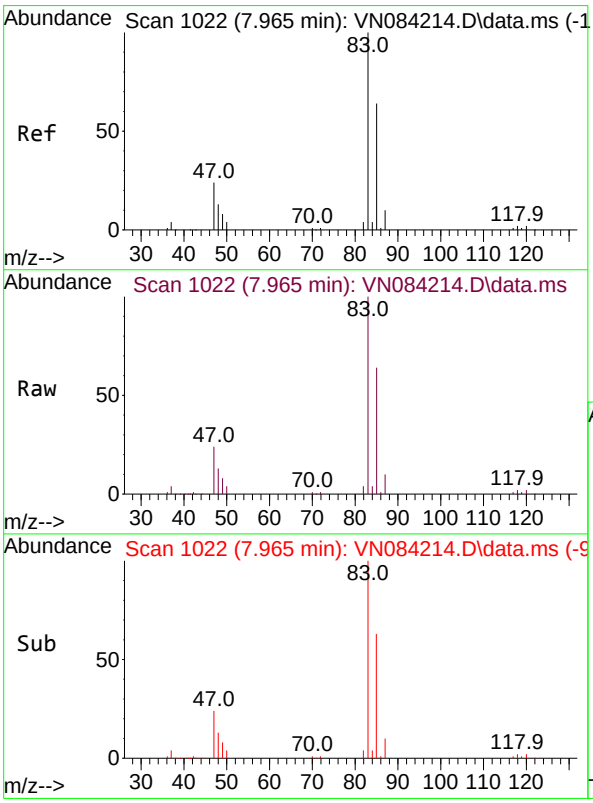
#29
Tetrahydrofuran
Concen: 264.488 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 248328

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	40.3	32.2	48.4

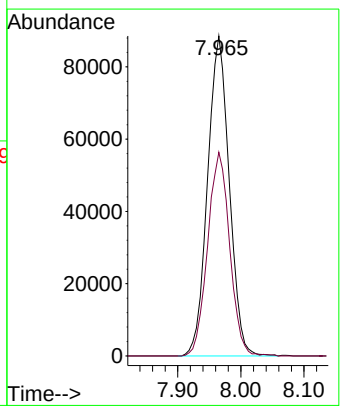


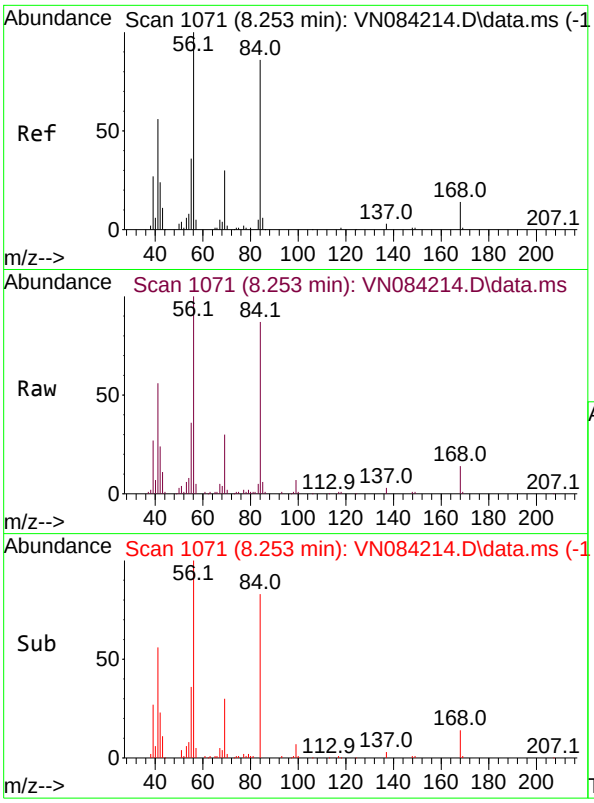


#30
Chloroform
Concen: 51.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 211178

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4



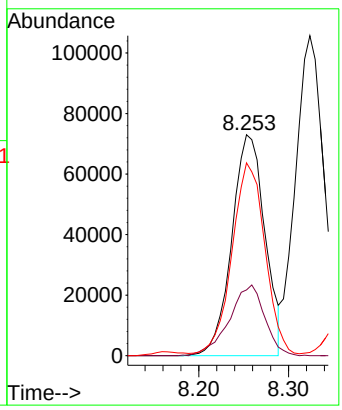


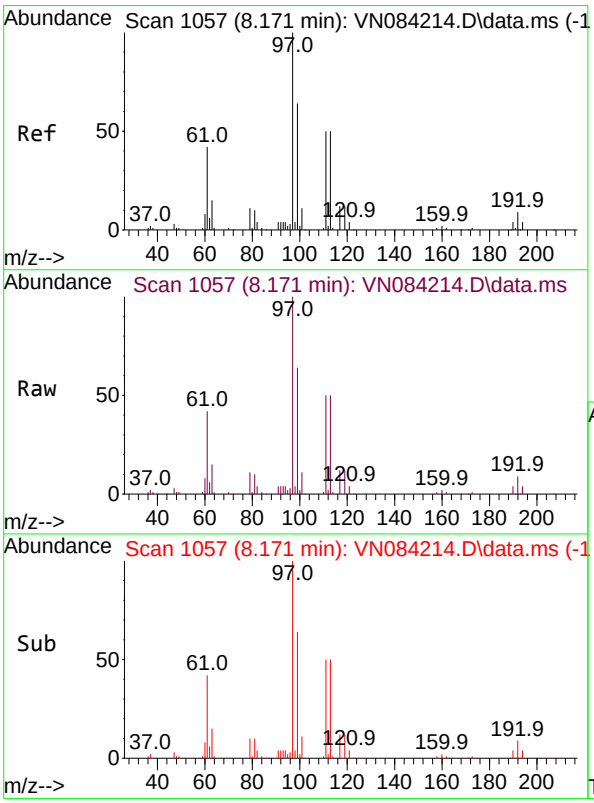
#31
Cyclohexane
Concen: 48.624 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 187282

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.6
84	86.0	68.8	103.2

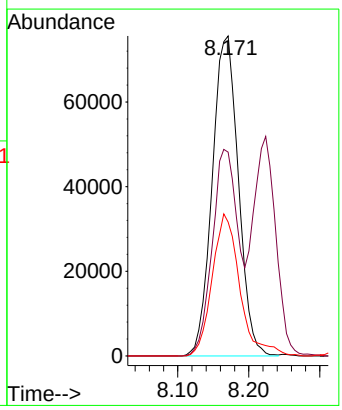


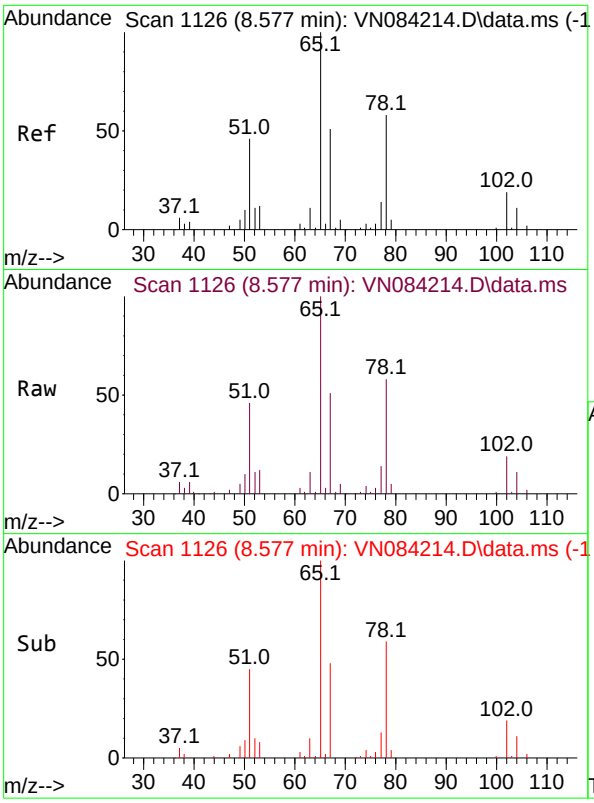


#32
1,1,1-Trichloroethane
Concen: 52.237 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 97 Resp: 193315

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.9	37.5	56.3



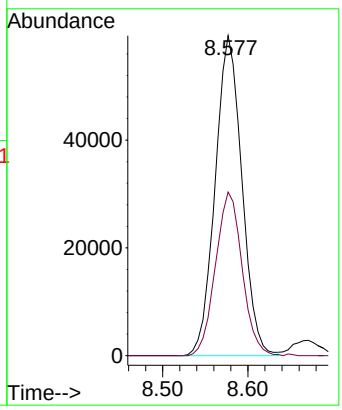


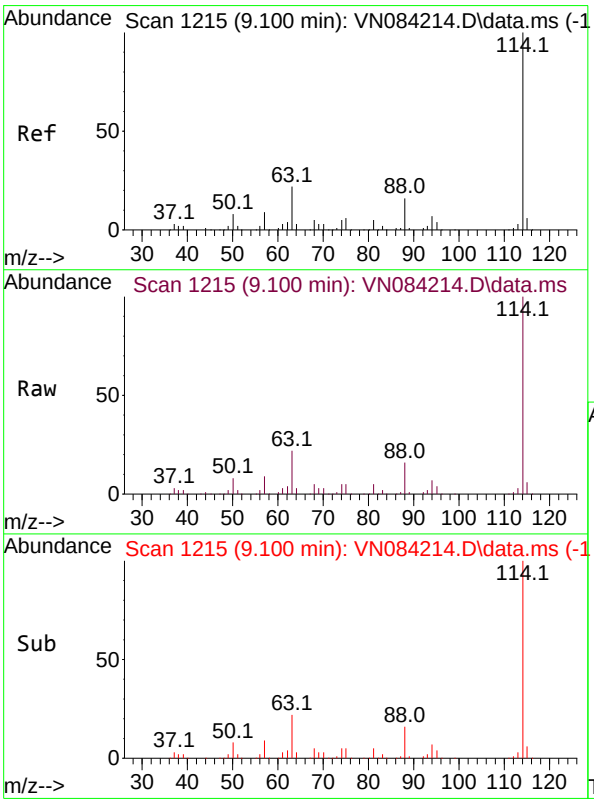
#33
1,2-Dichloroethane-d4
Concen: 49.725 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 129300

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

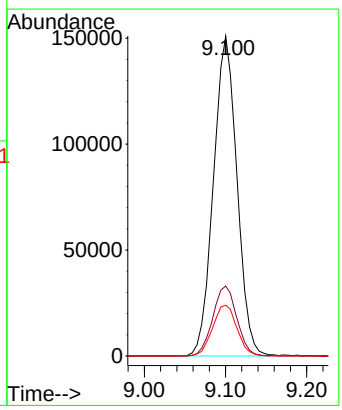


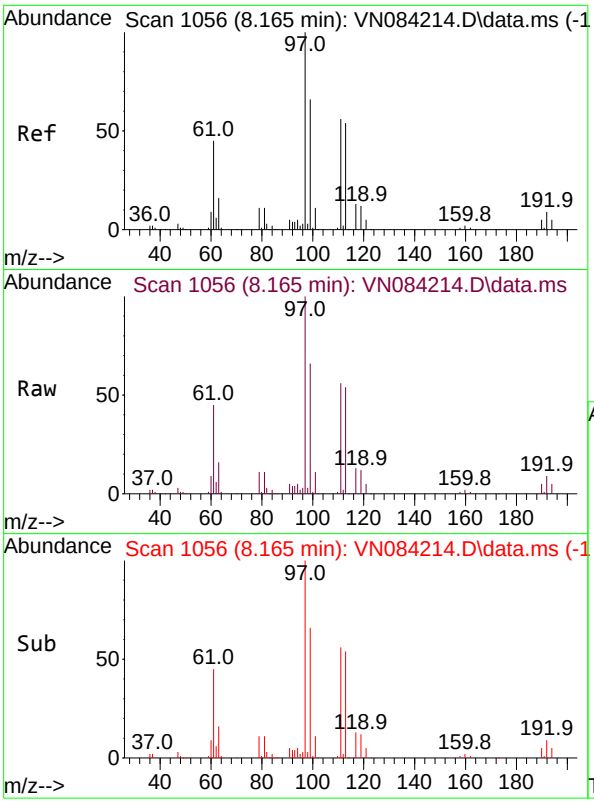


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:114 Resp: 304127

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	15.8	0.0	31.6



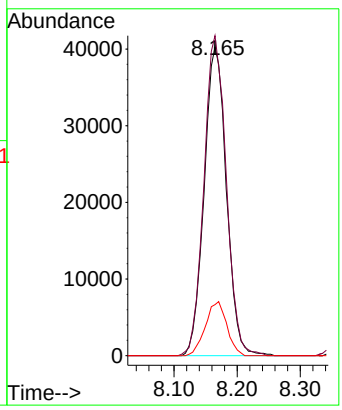


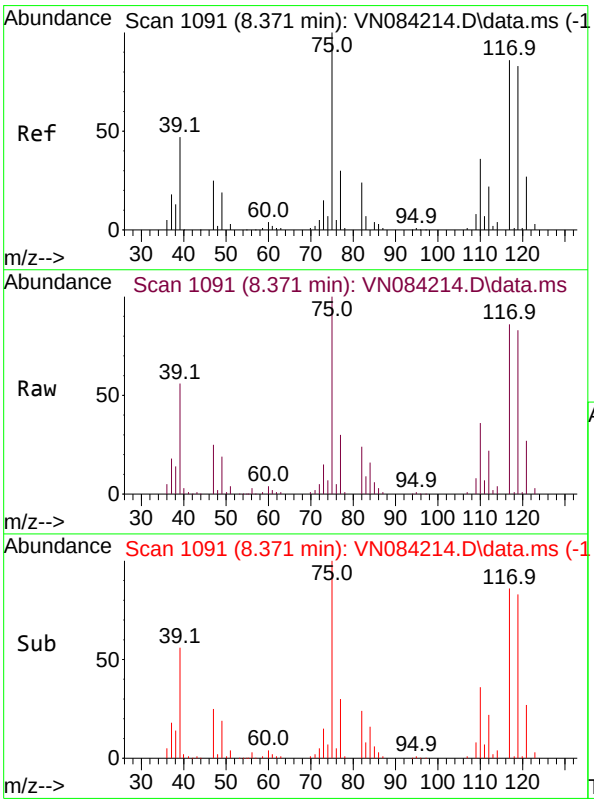
#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 98531

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	16.9	13.5	20.3

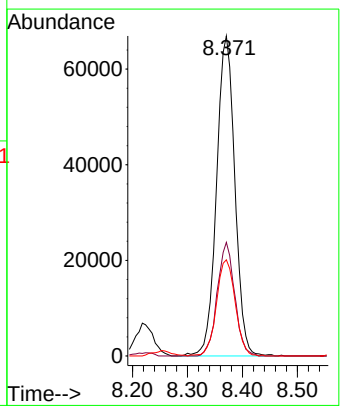


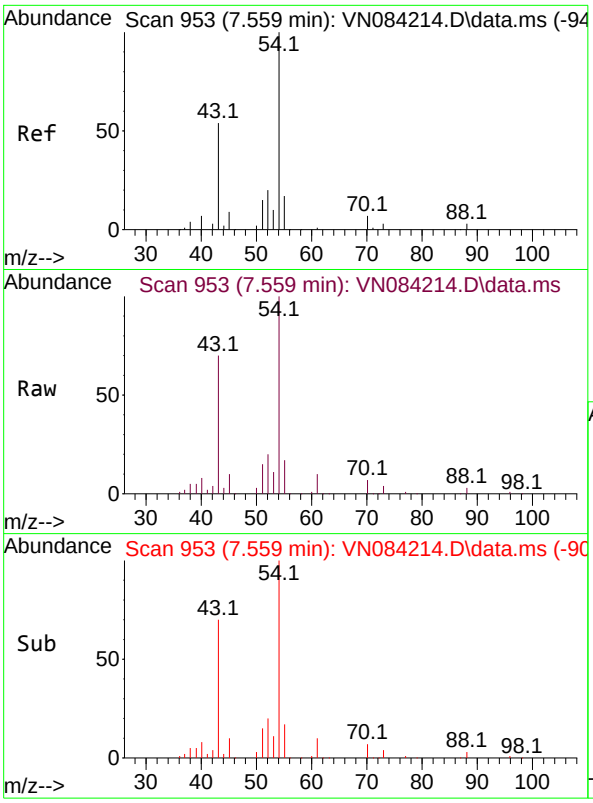


#36
1,1-Dichloropropene
Concen: 53.172 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 154855

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.9	24.7	37.1



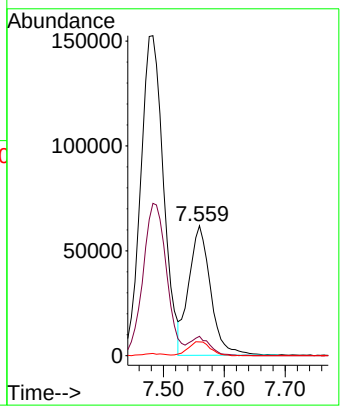


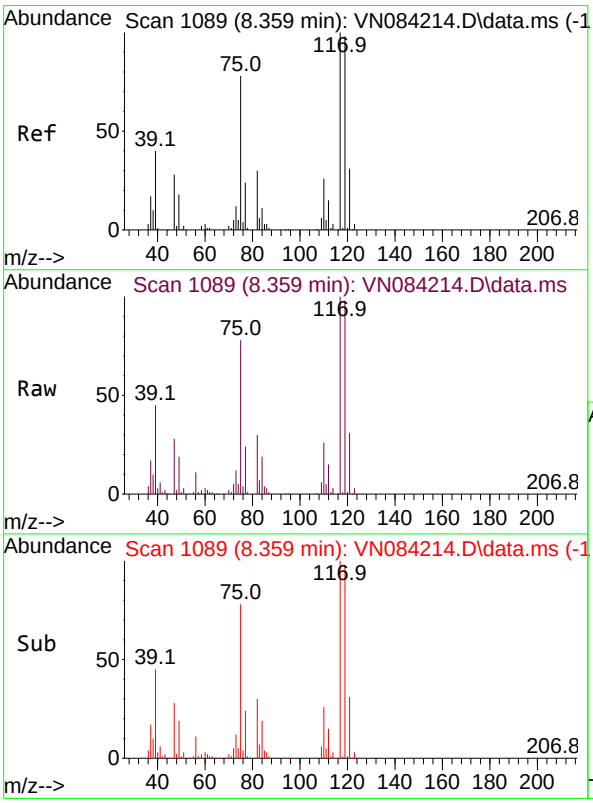
#37
Ethyl Acetate
Concen: 51.216 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 153024

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.0	8.8	13.2

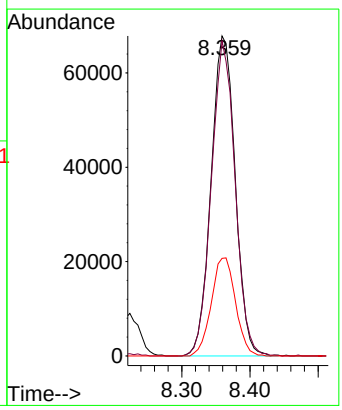


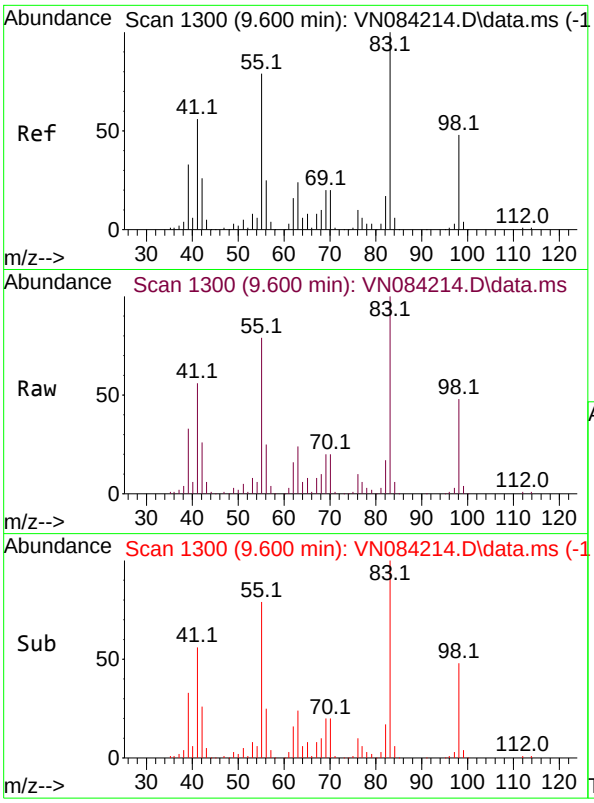


#38
Carbon Tetrachloride
Concen: 52.301 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 167086

Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	30.5	24.4	36.6



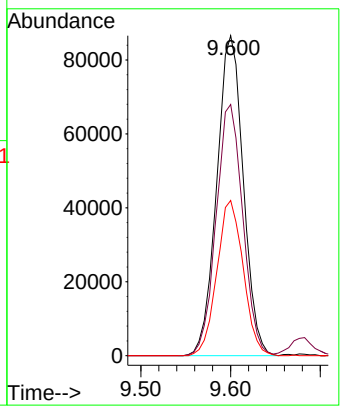


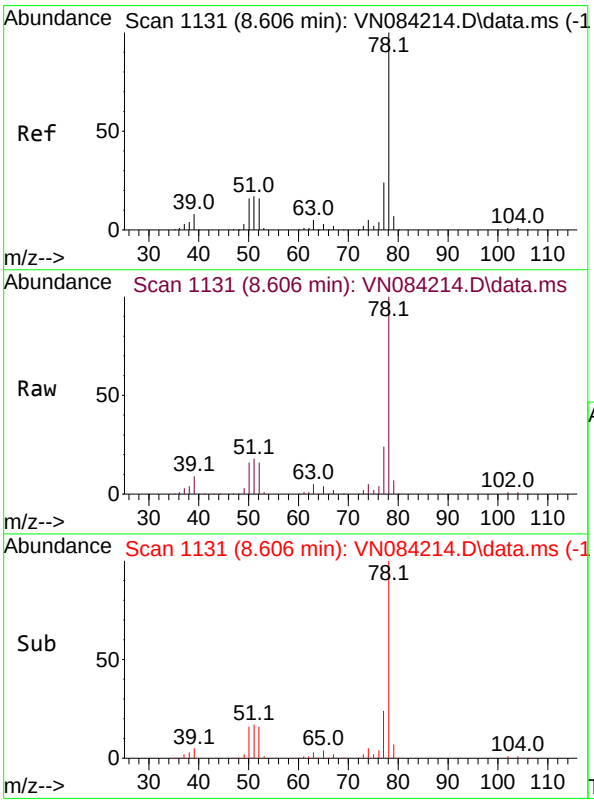
#39
Methylcyclohexane
Concen: 54.741 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 177433

Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.8	94.2
98	48.5	38.8	58.2

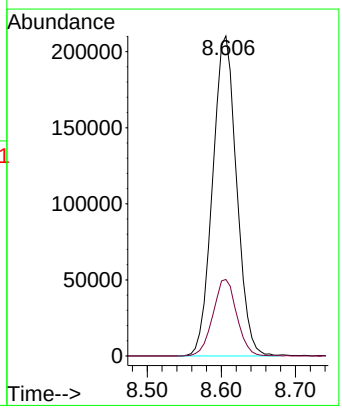


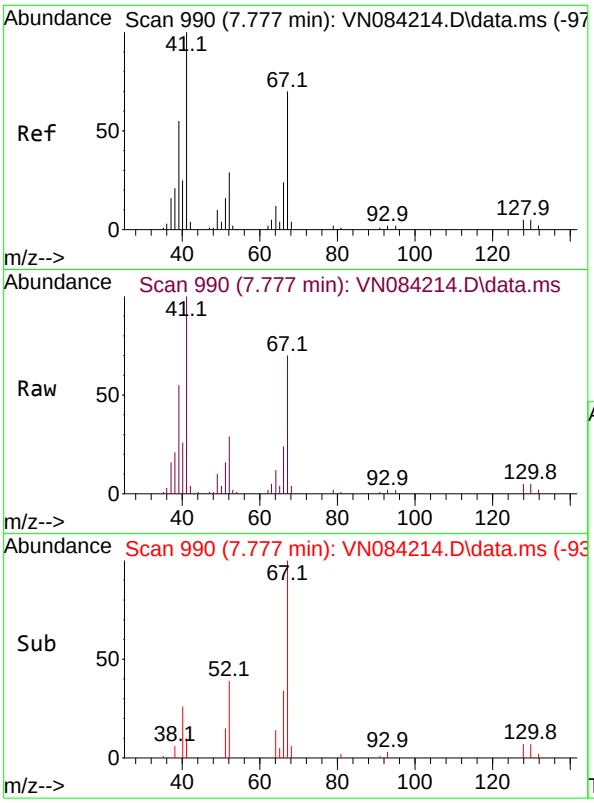


#40
Benzene
Concen: 52.037 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 78 Resp: 472170

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7



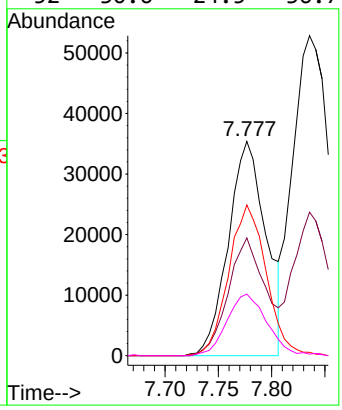


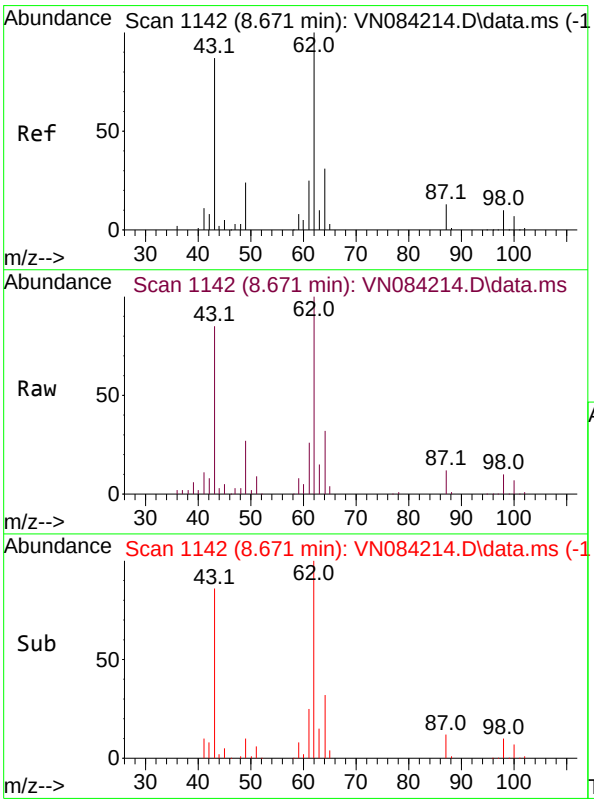
#41
Methacrylonitrile
Concen: 53.861 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 87365

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	70.1	56.1	84.1
52	30.6	24.5	36.7

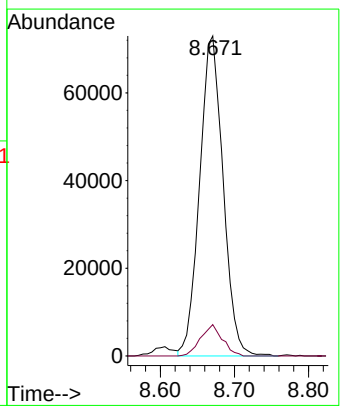


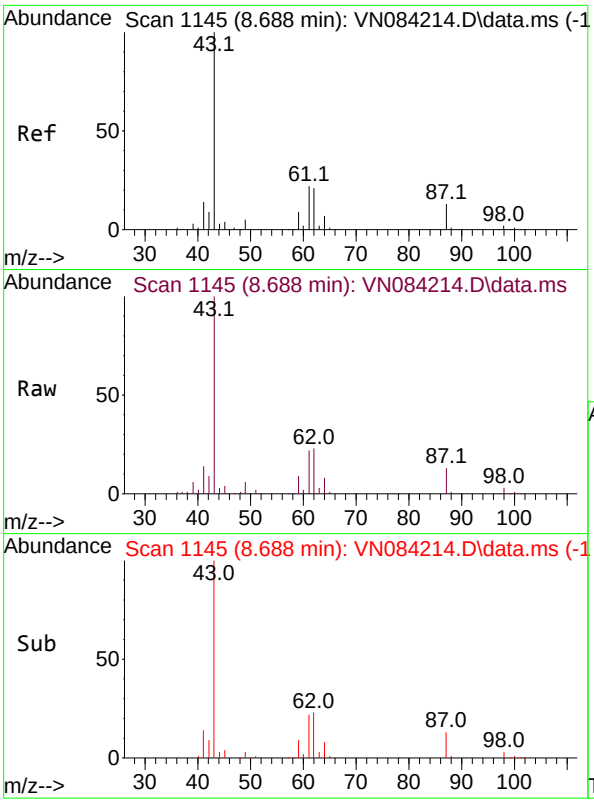


#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 160606

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



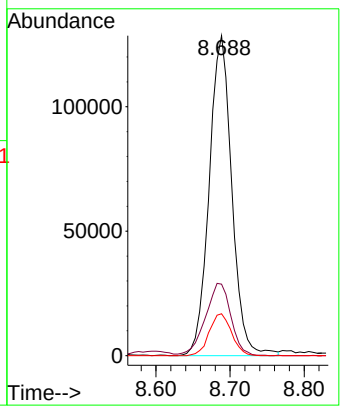


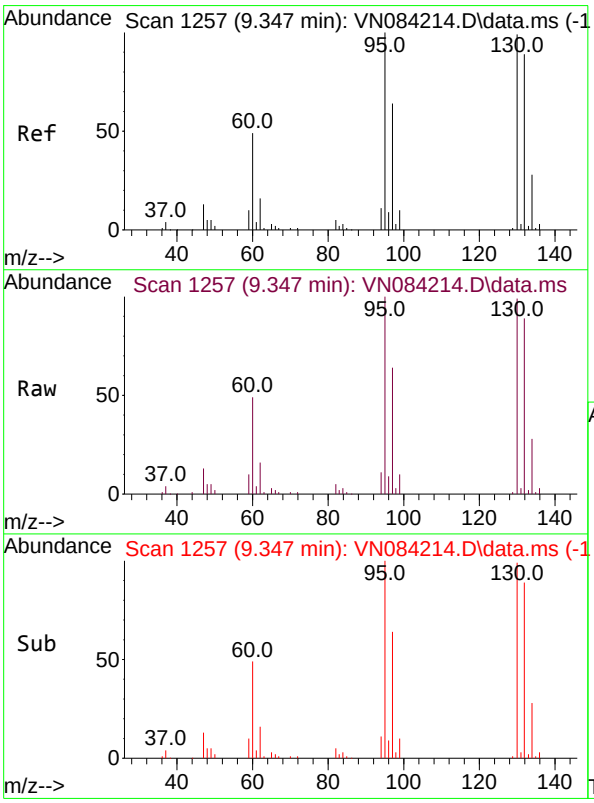
#43
Isopropyl Acetate
Concen: 46.667 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 272992

Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5

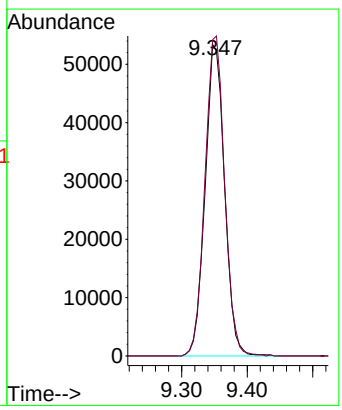


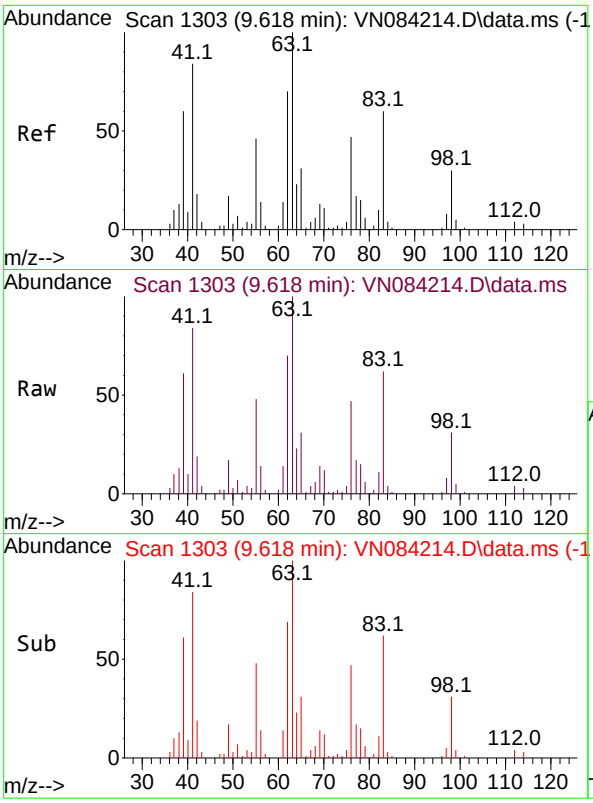


#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:130 Resp: 110119

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0



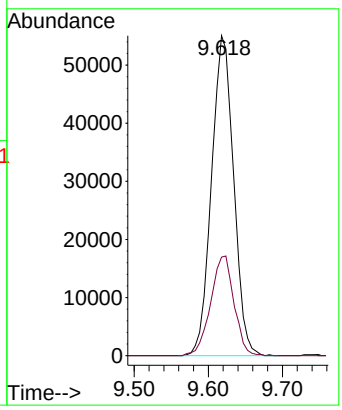


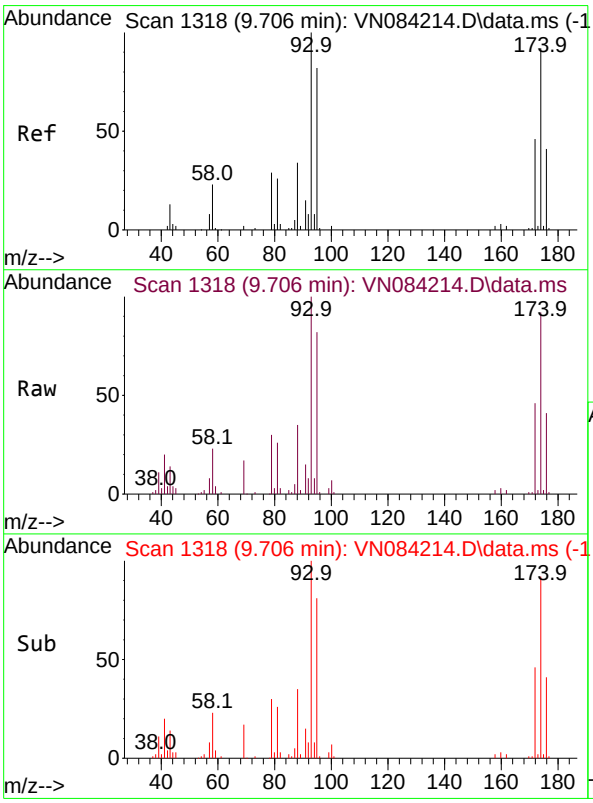
#45
1,2-Dichloropropane
Concen: 53.176 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 114143

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

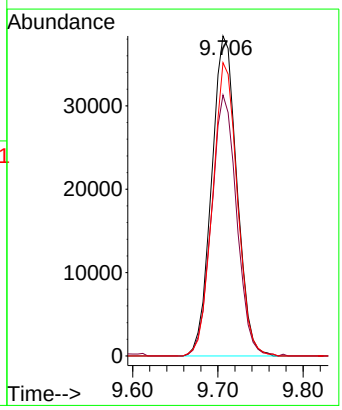


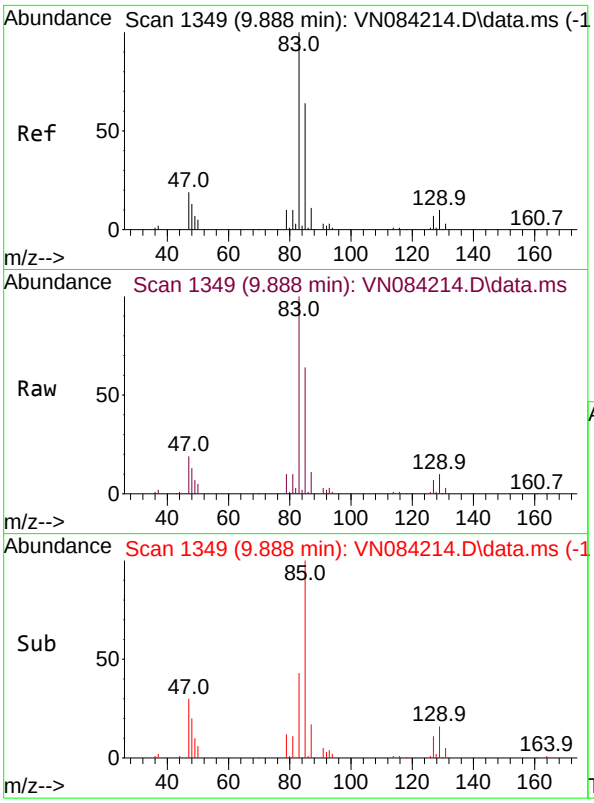


#46
Dibromomethane
Concen: 54.542 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 93 Resp: 79007

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	89.8	71.8	107.8



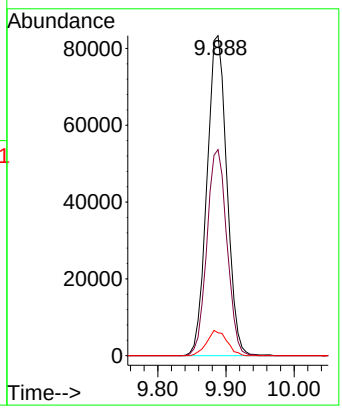


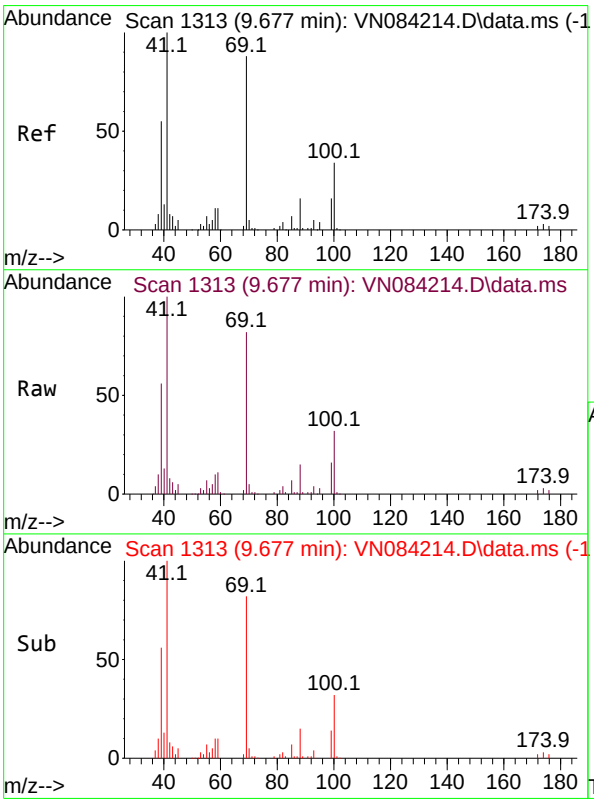
#47
Bromodichloromethane
Concen: 52.595 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 169263

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.1	5.7	8.5

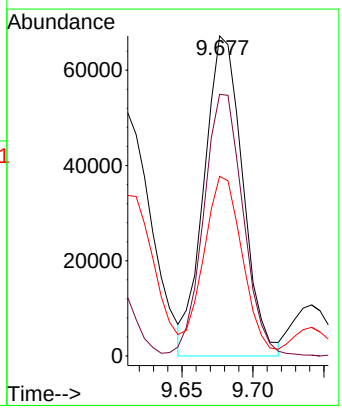


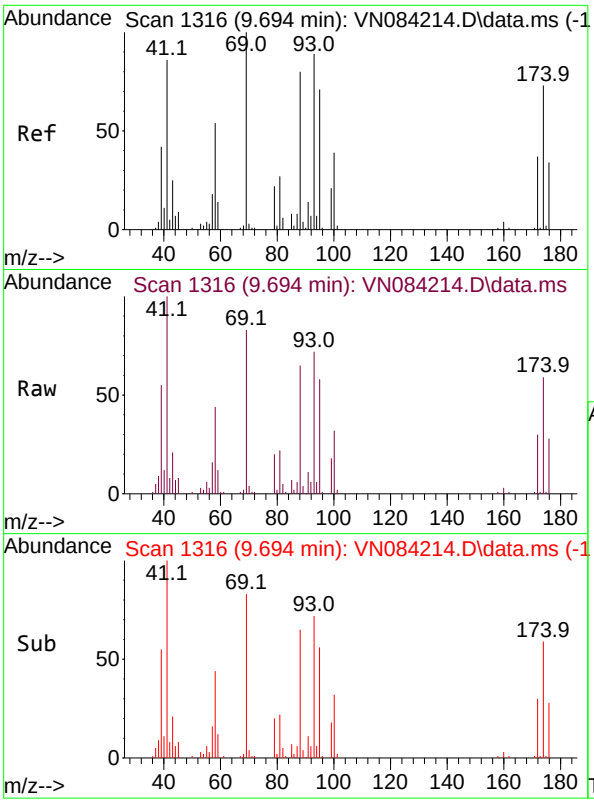


#48
Methyl methacrylate
Concen: 54.534 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 127042

Ion	Ratio	Lower	Upper
41	100		
69	83.9	67.1	100.7
39	57.2	45.8	68.6



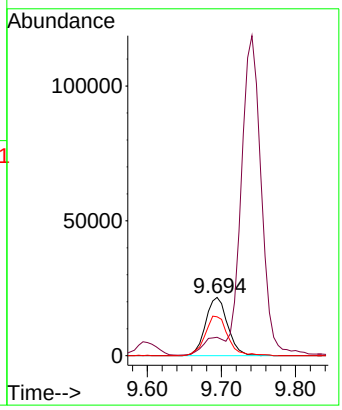


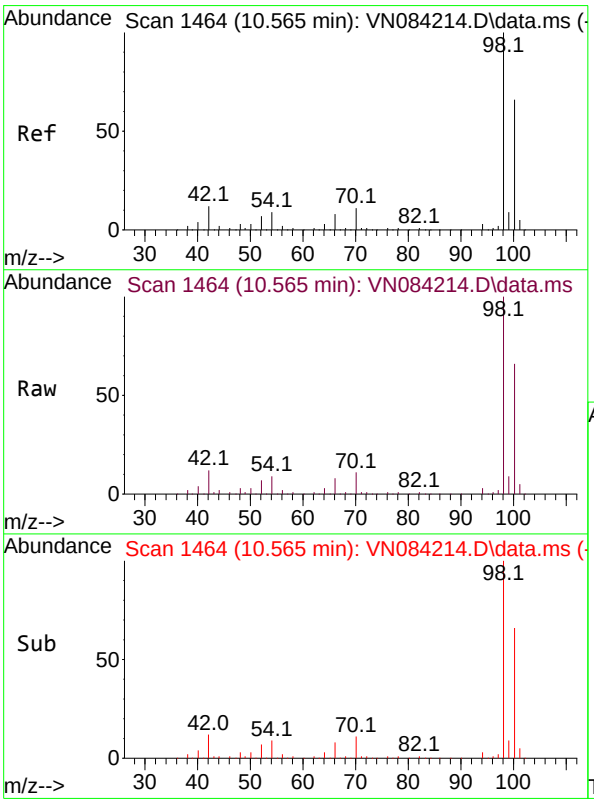
#49
1,4-Dioxane
Concen: 1037.858 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 44512

Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	70.5	56.4	84.6

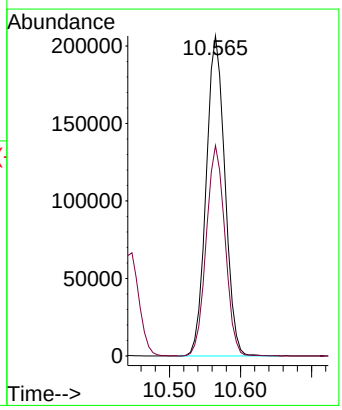


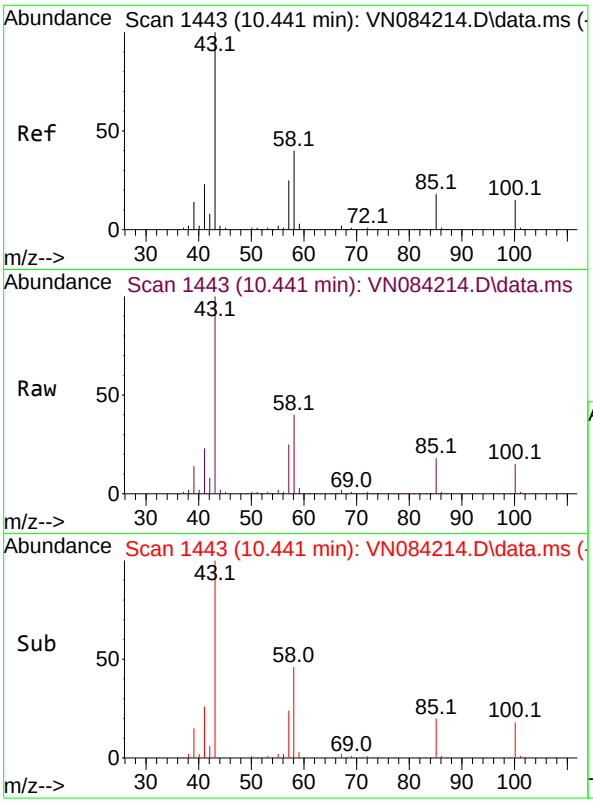


#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 98 Resp: 377886

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



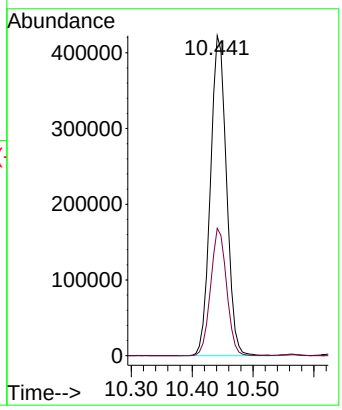


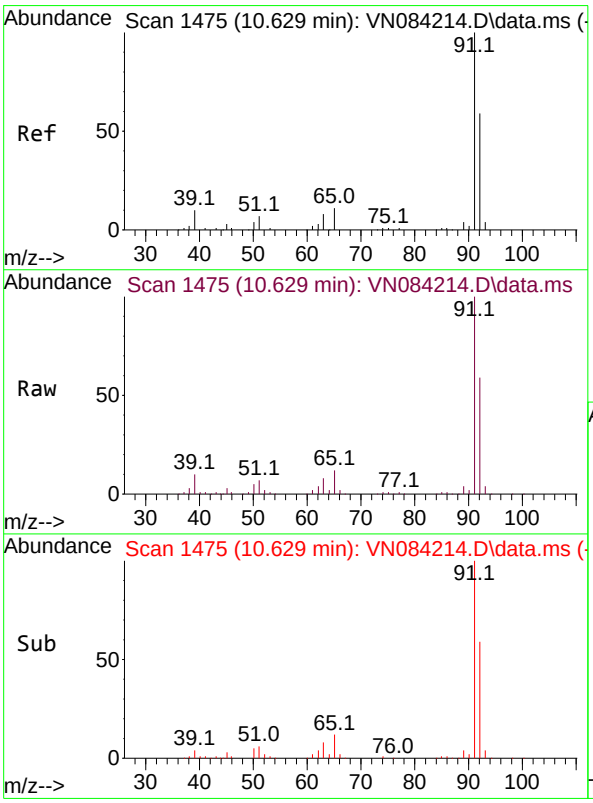
#51
4-Methyl-2-Pentanone
Concen: 271.750 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 772927

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

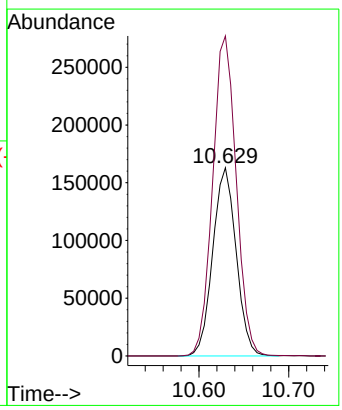


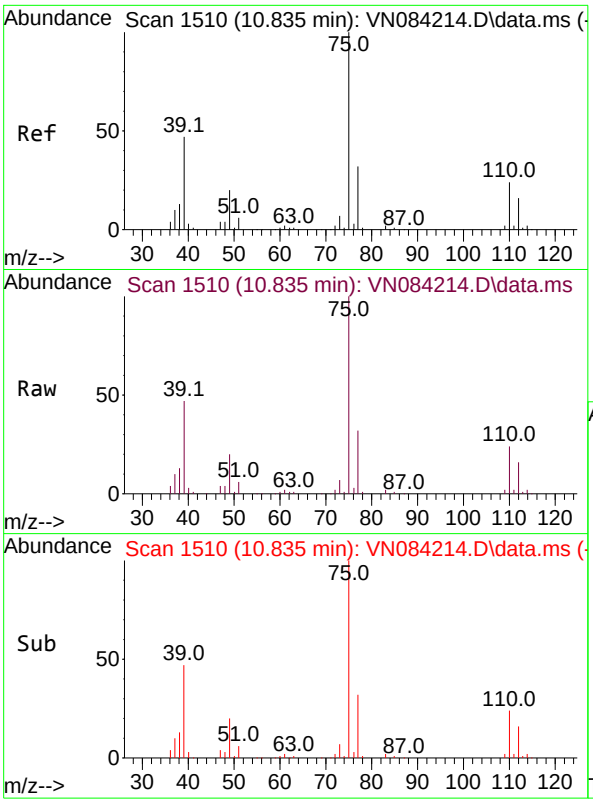


#52
Toluene
Concen: 53.332 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 92 Resp: 295099

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



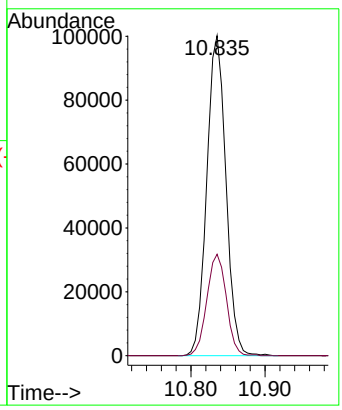


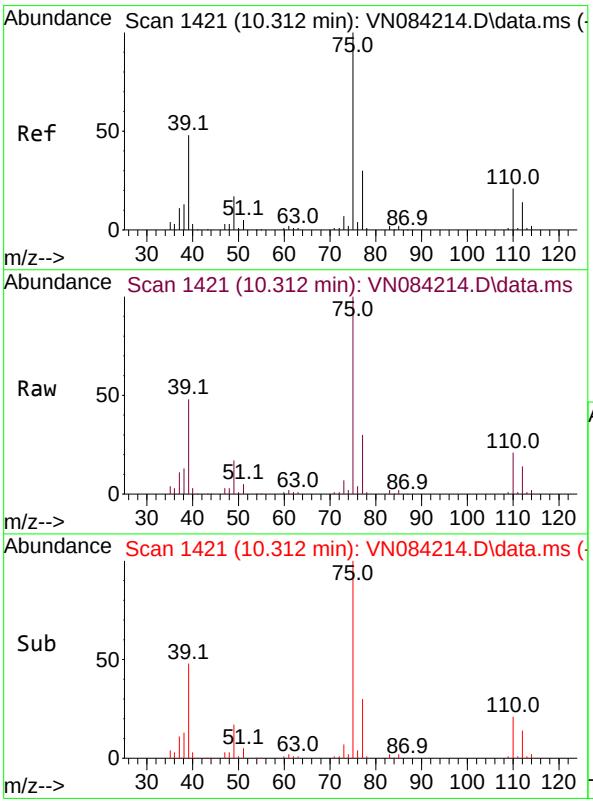
#53
t-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 179453

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

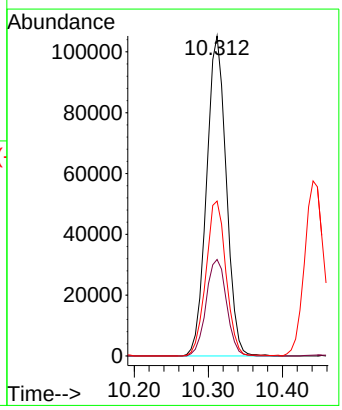


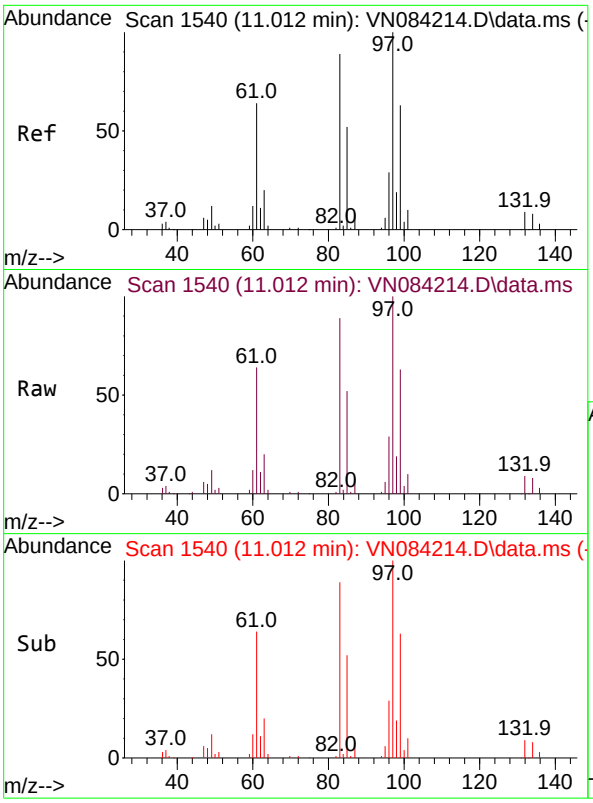


#54
cis-1,3-Dichloropropene
Concen: 54.966 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 193952

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2
39	48.4	38.7	58.1



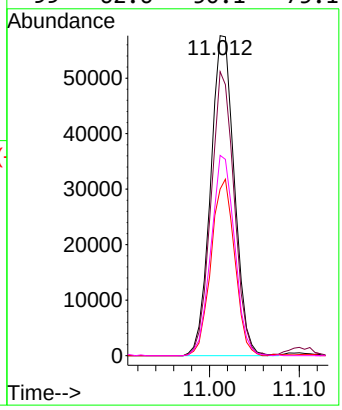


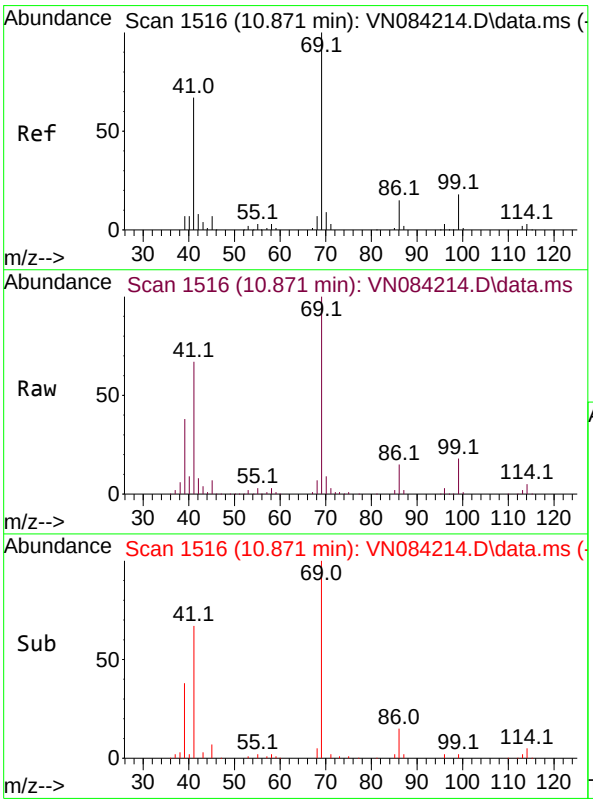
#55
1,1,2-Trichloroethane
Concen: 53.583 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 106288

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	52.1	41.7	62.5
99	62.6	50.1	75.1

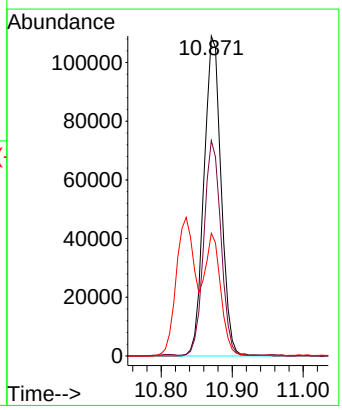


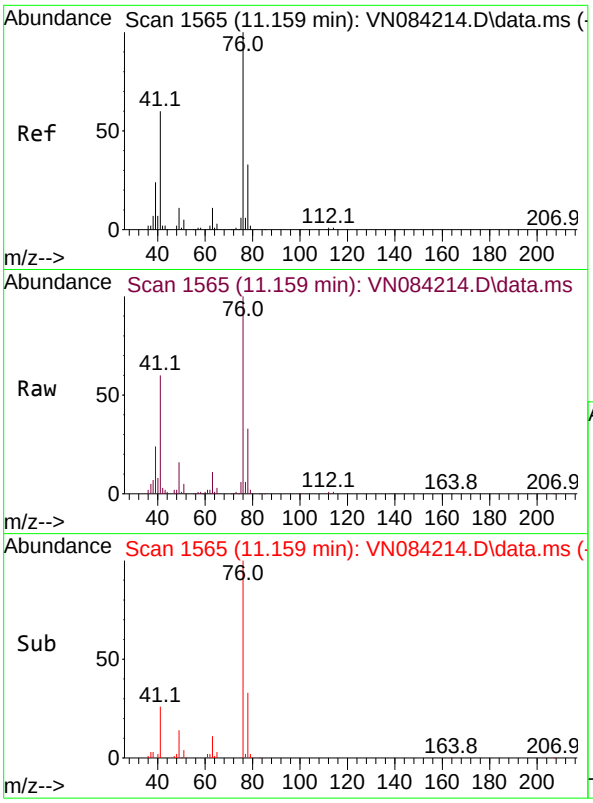


#56
Ethyl methacrylate
Concen: 56.085 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 69 Resp: 183059

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	36.0	28.8	43.2



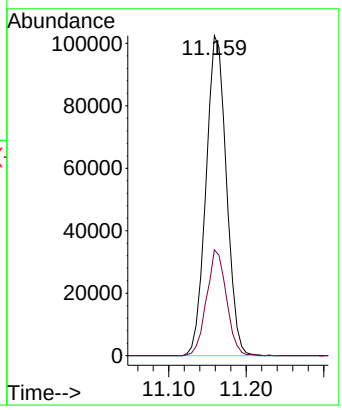


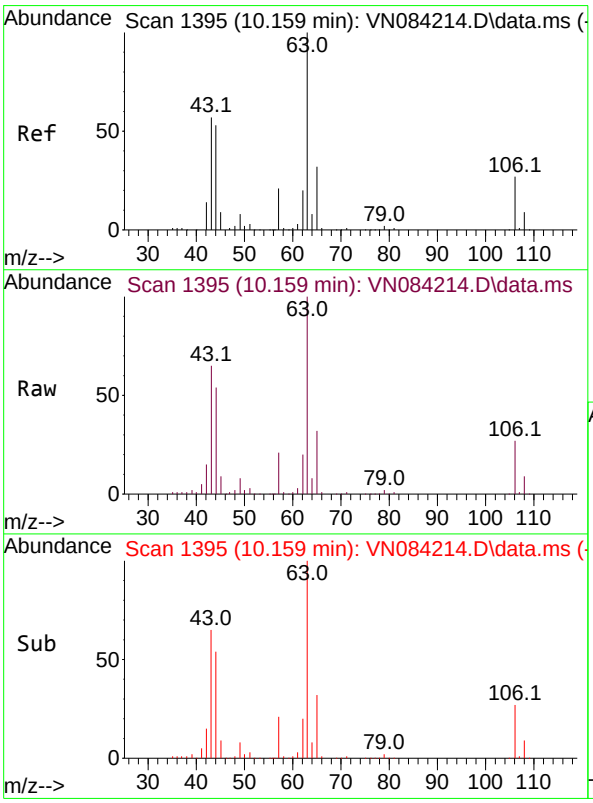
#57
1,3-Dichloropropane
Concen: 52.864 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 187372

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

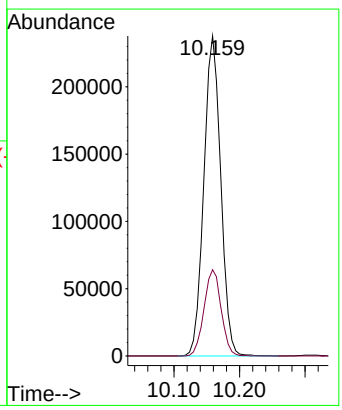


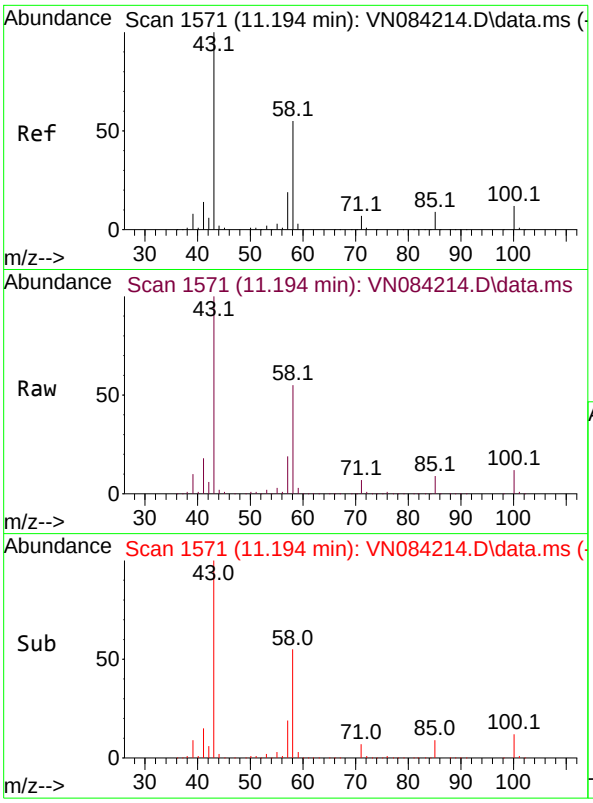


#58
2-Chloroethyl Vinyl ether
Concen: 281.593 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 426364

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6



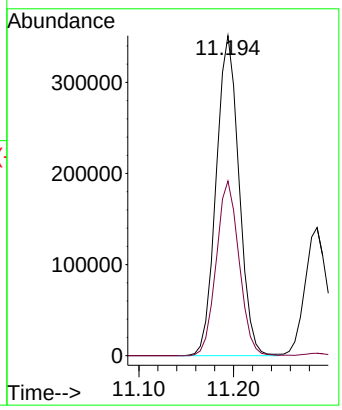


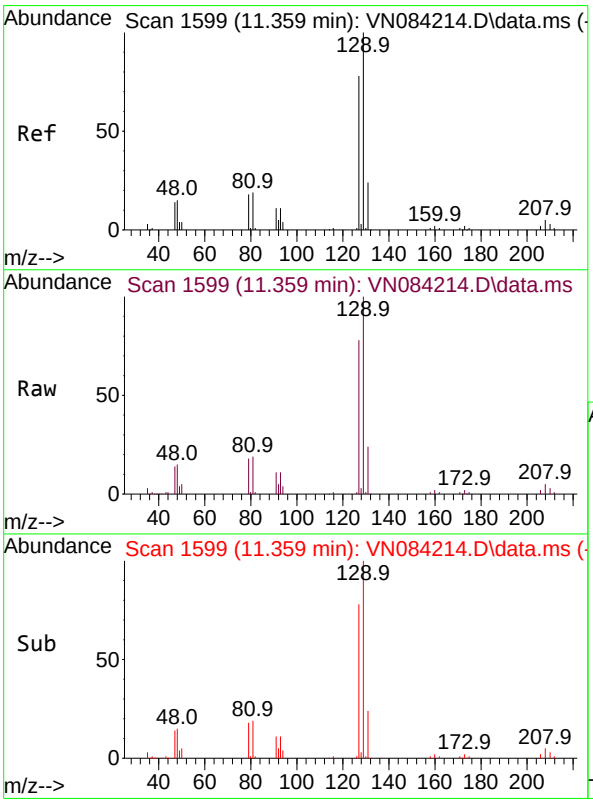
#59
2-Hexanone
Concen: 276.767 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 588361

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

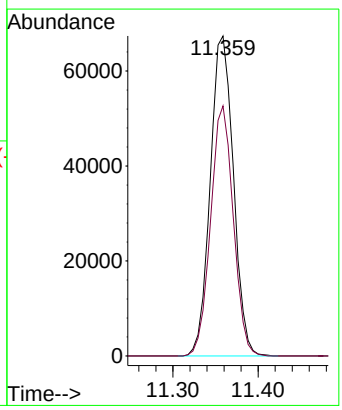


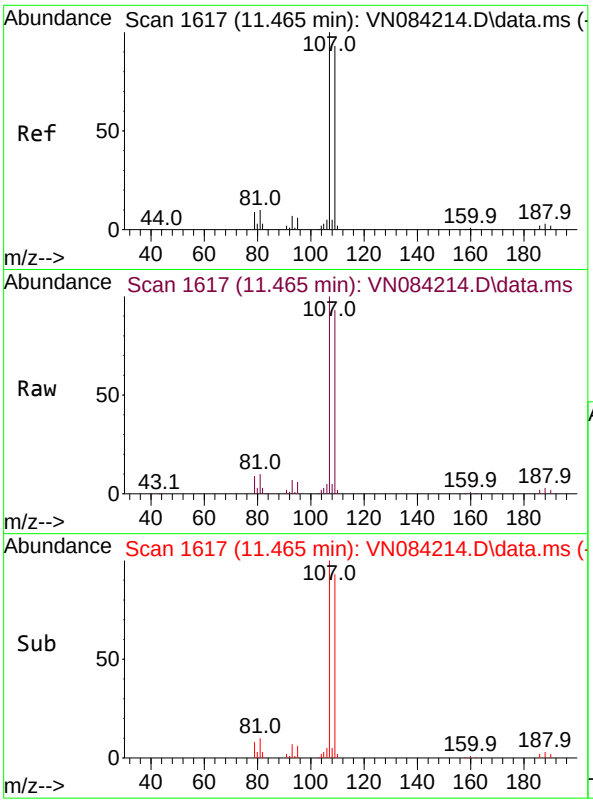


#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:129 Resp: 126992

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9



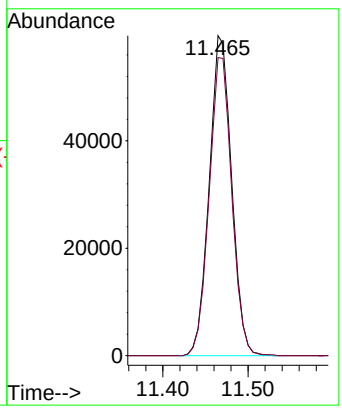


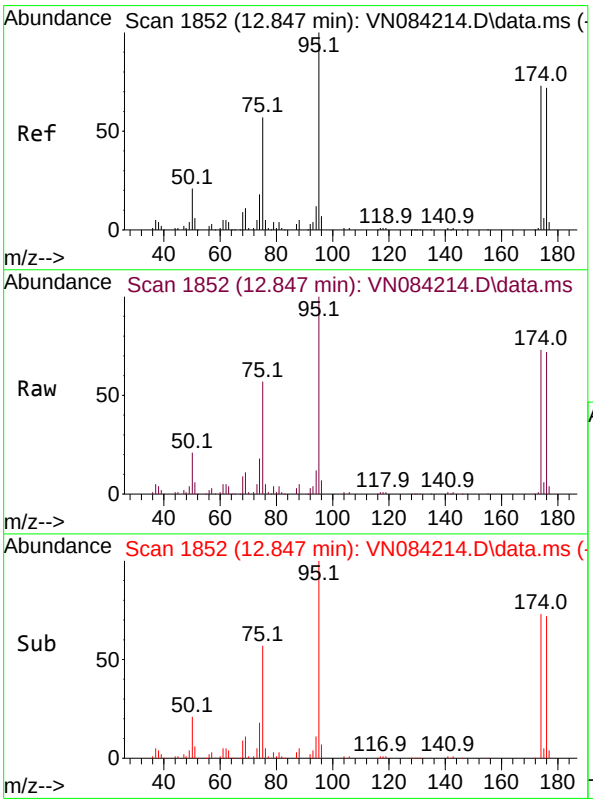
#61
1,2-Dibromoethane
Concen: 52.794 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 108817

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

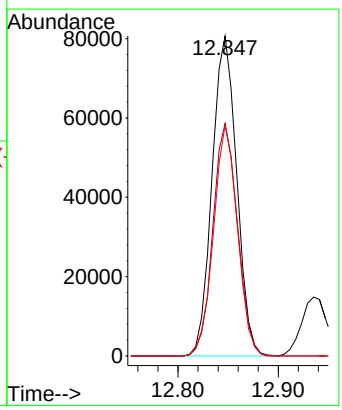


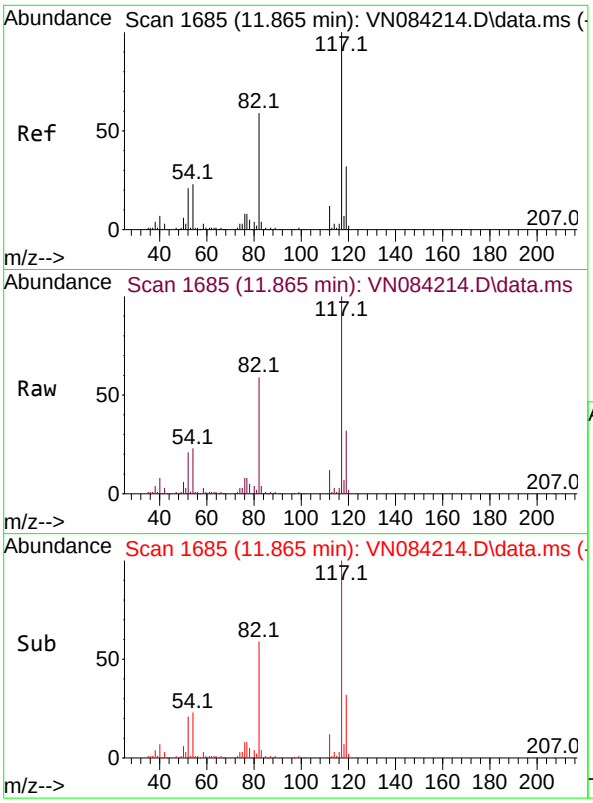


#62
4-Bromofluorobenzene
Concen: 51.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 95 Resp: 137388

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	70.0	0.0	140.0



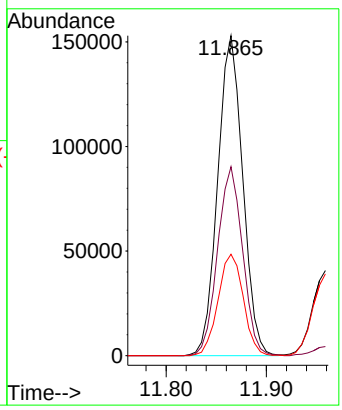


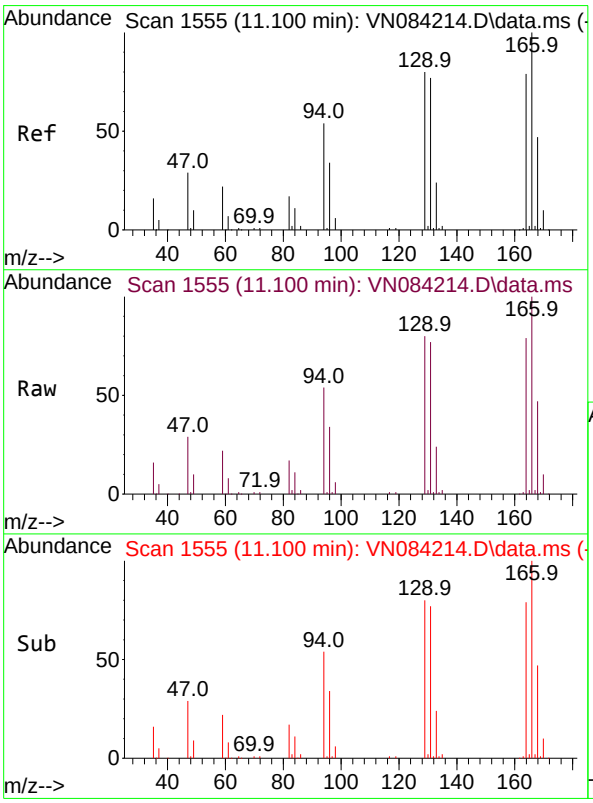
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 264820

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.7	25.4	38.0

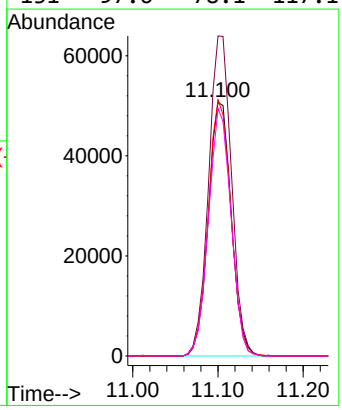


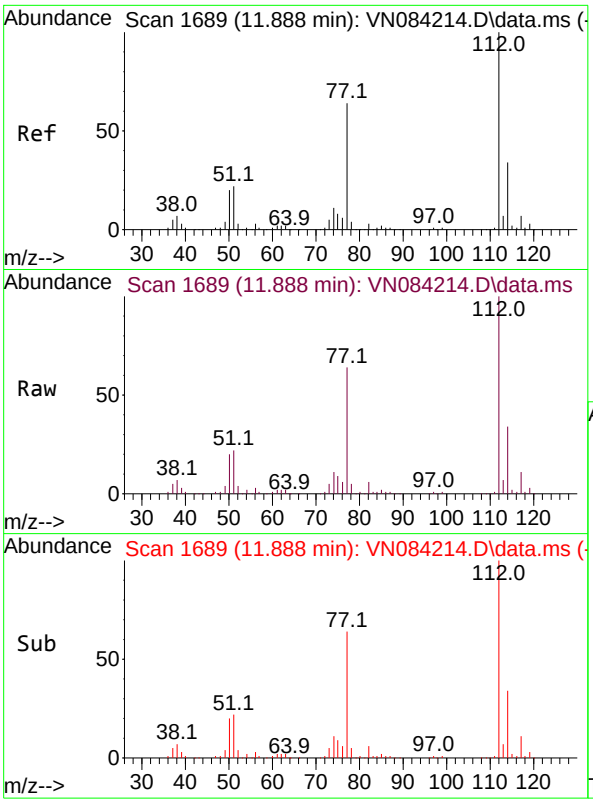


#64
Tetrachloroethene
Concen: 51.486 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:164 Resp: 94966

Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.0	151.4
129	101.0	80.8	121.2
131	97.6	78.1	117.1



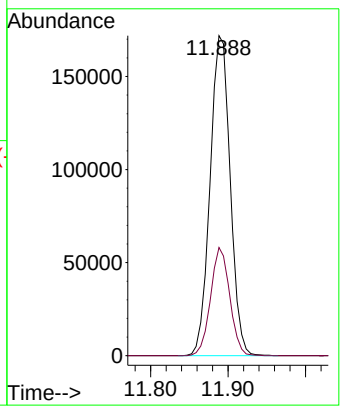


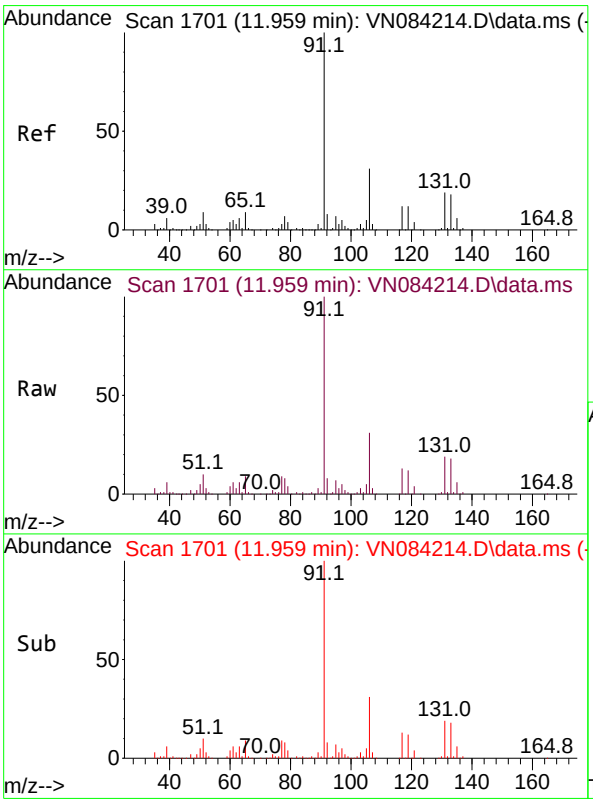
#65
Chlorobenzene
Concen: 52.770 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 309849

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6

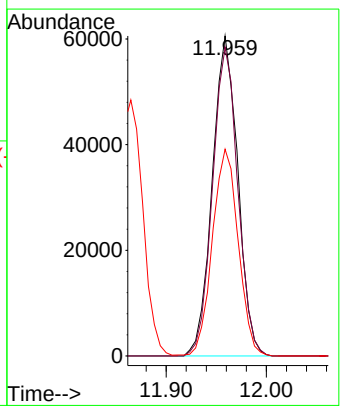


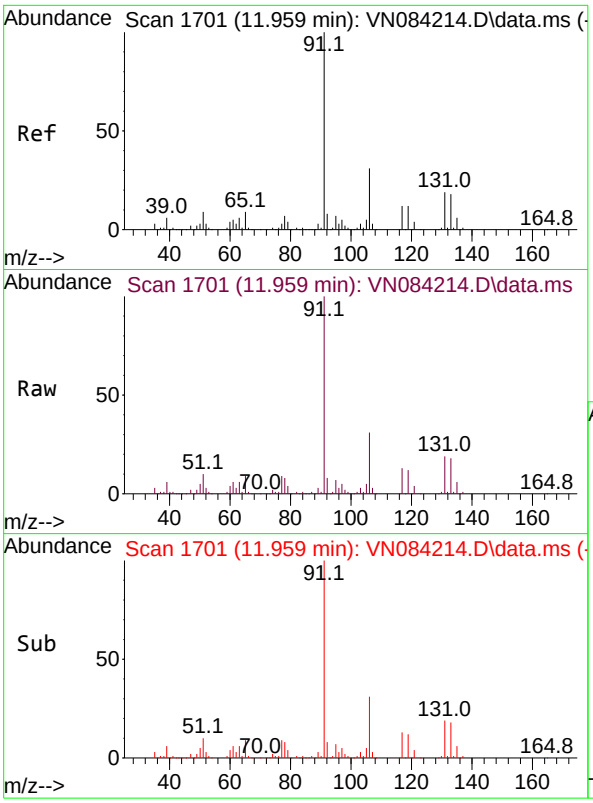


#66
1,1,1,2-Tetrachloroethane
Concen: 52.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:131 Resp: 106981

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.7
119	65.5	32.8	98.3



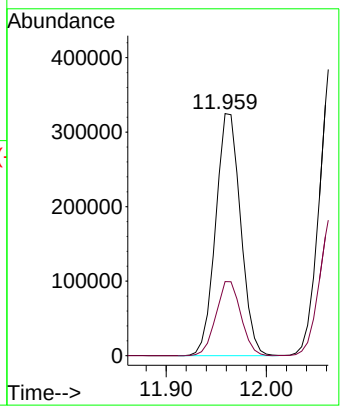


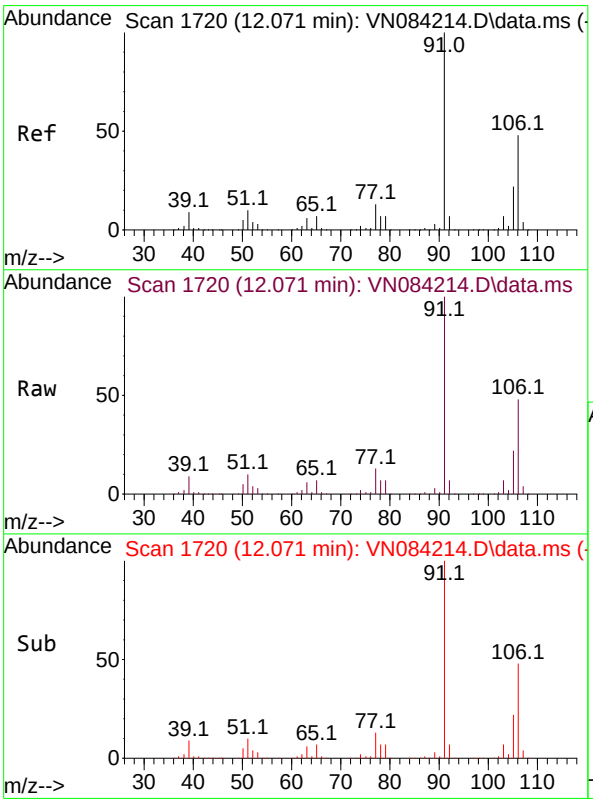
#67
Ethyl Benzene
Concen: 54.100 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 561770

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7

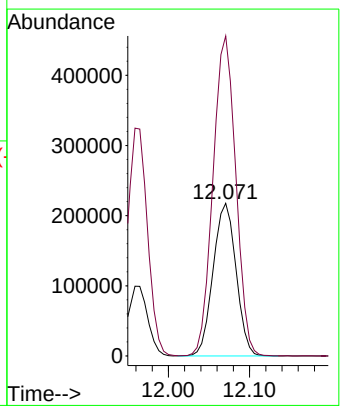


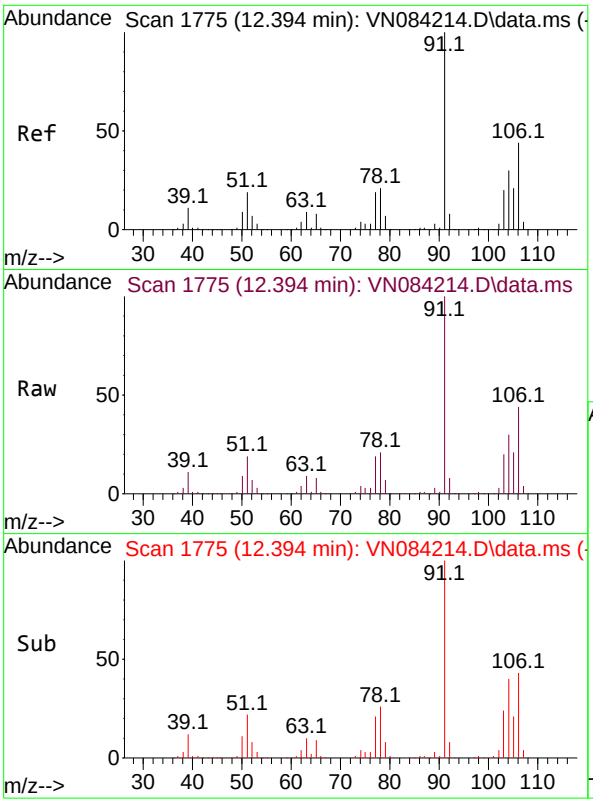


#68
m/p-Xylenes
Concen: 111.201 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 427131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7



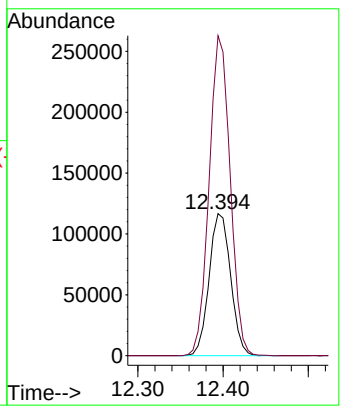


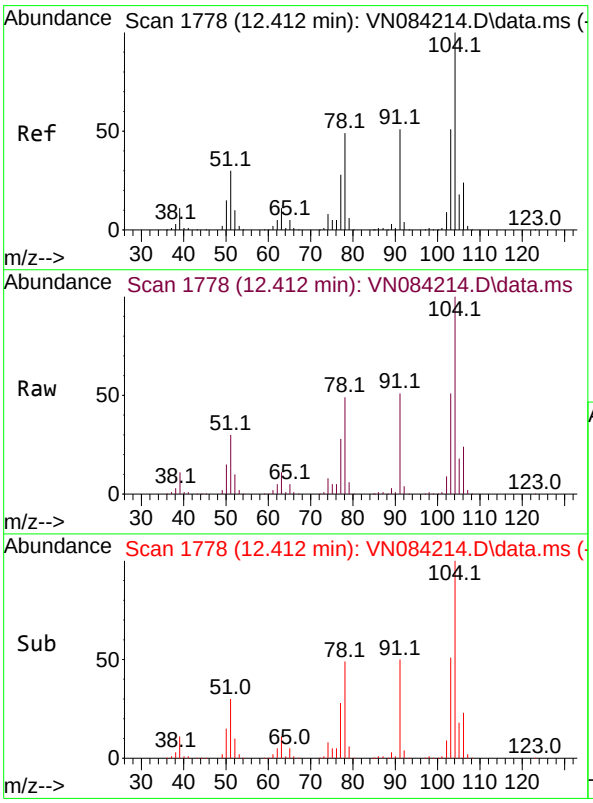
#69
o-Xylene
Concen: 56.370 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 204854

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6

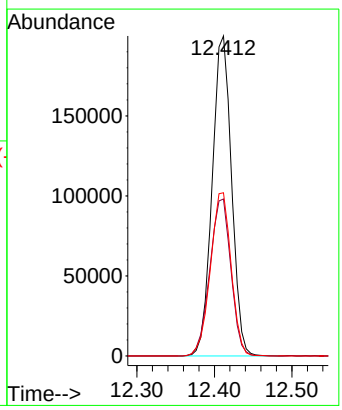


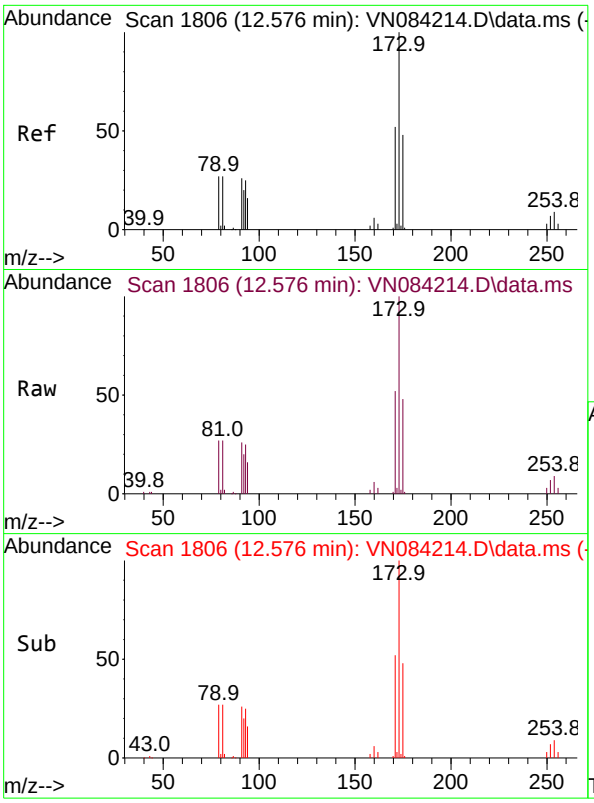


#70
Styrene
Concen: 56.434 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:104 Resp: 347383

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.7	64.1
103	54.5	43.6	65.4



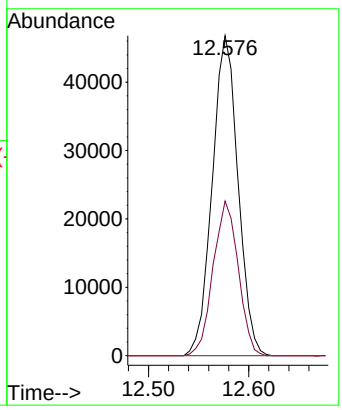


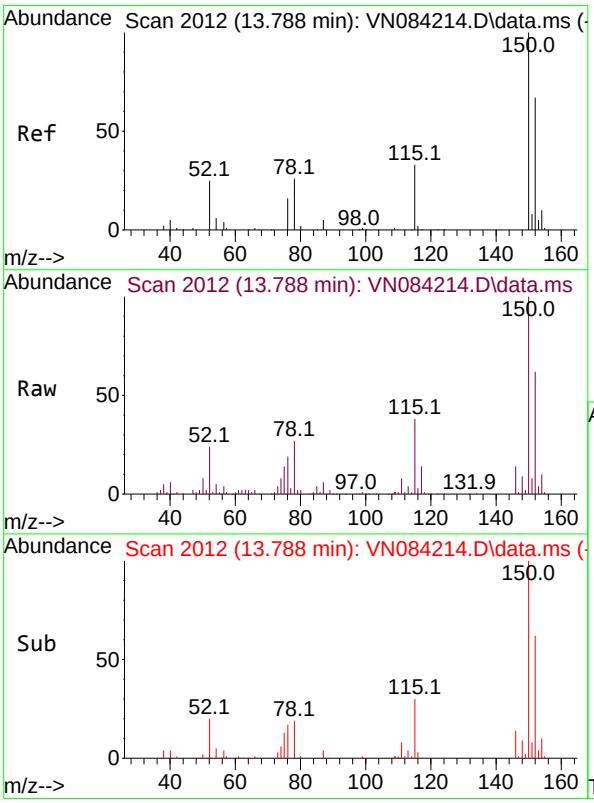
#71
Bromoform
Concen: 56.070 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 83487

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0

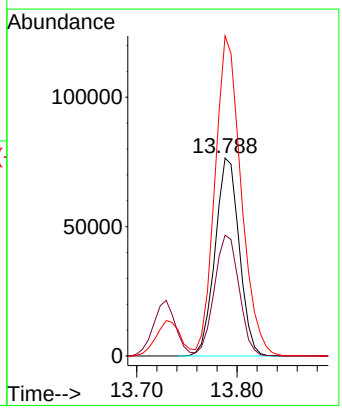


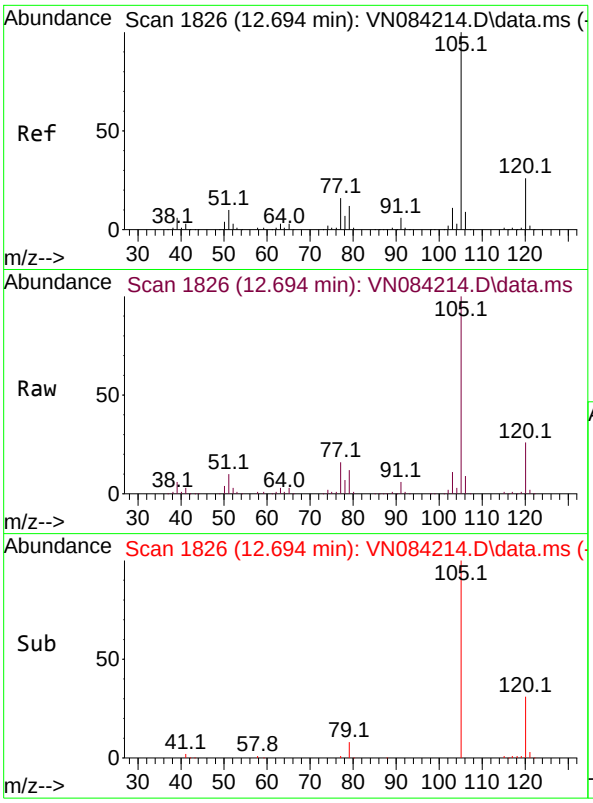


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:152 Resp: 127701

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	174.9	0.0	349.8



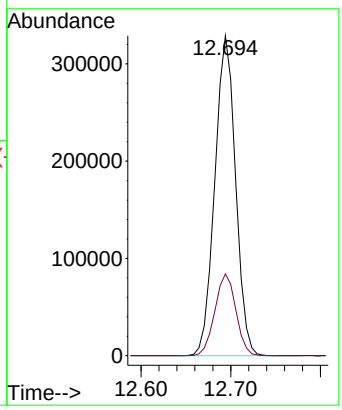


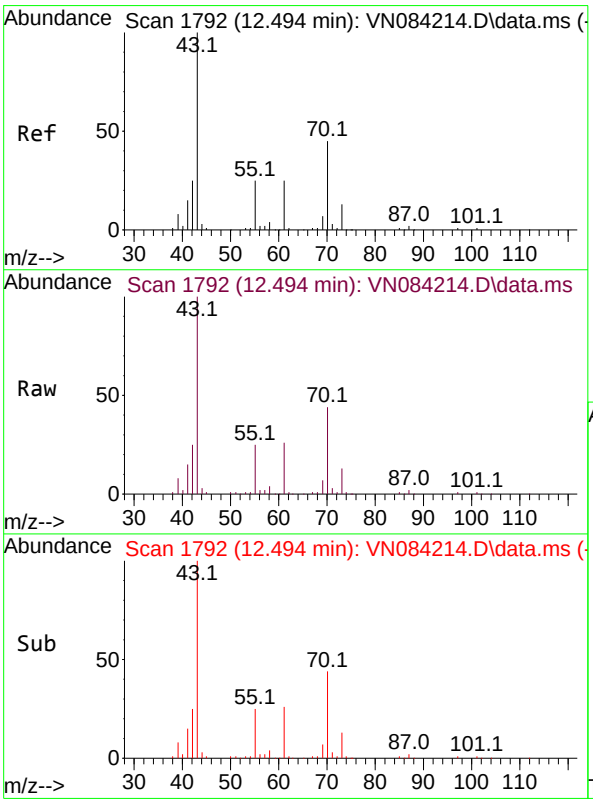
#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 527625

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

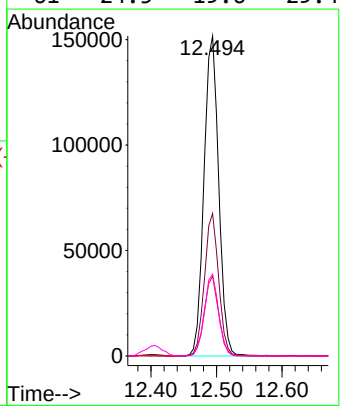


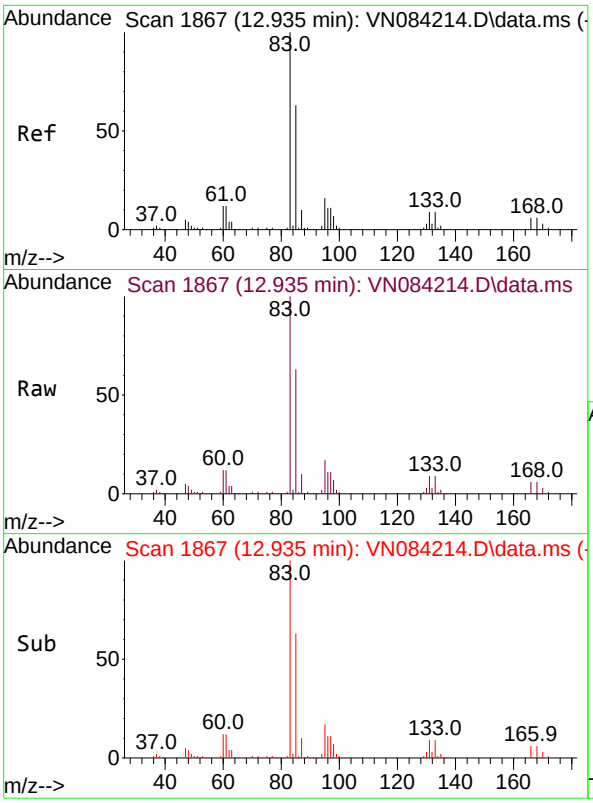


#74
N-amyl acetate
Concen: 53.738 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 237131

Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.4	51.6
55	24.5	19.6	29.4
61	24.5	19.6	29.4



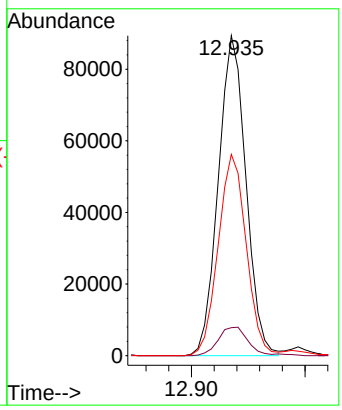


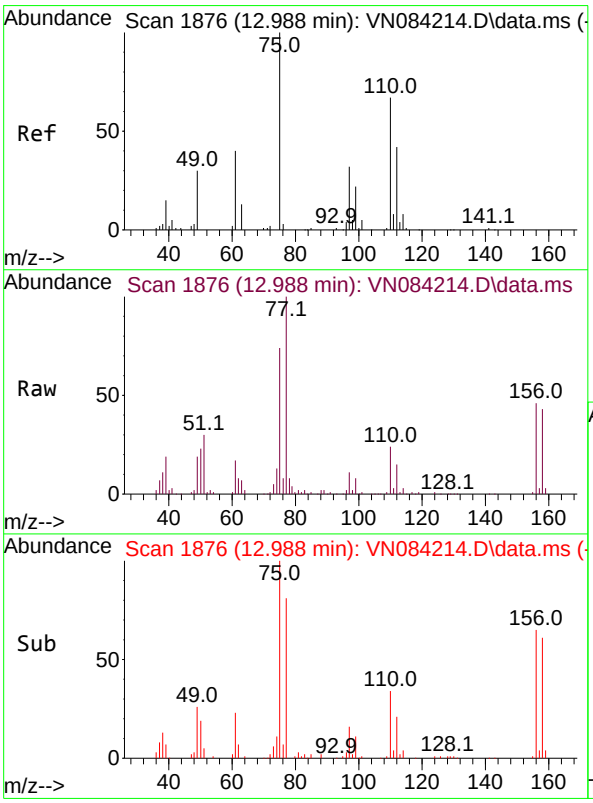
#75
1,1,2,2-Tetrachloroethane
Concen: 51.560 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 151079

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	31.9	95.7

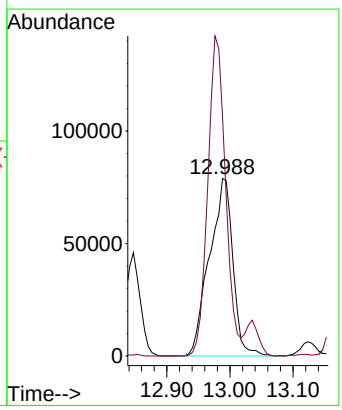


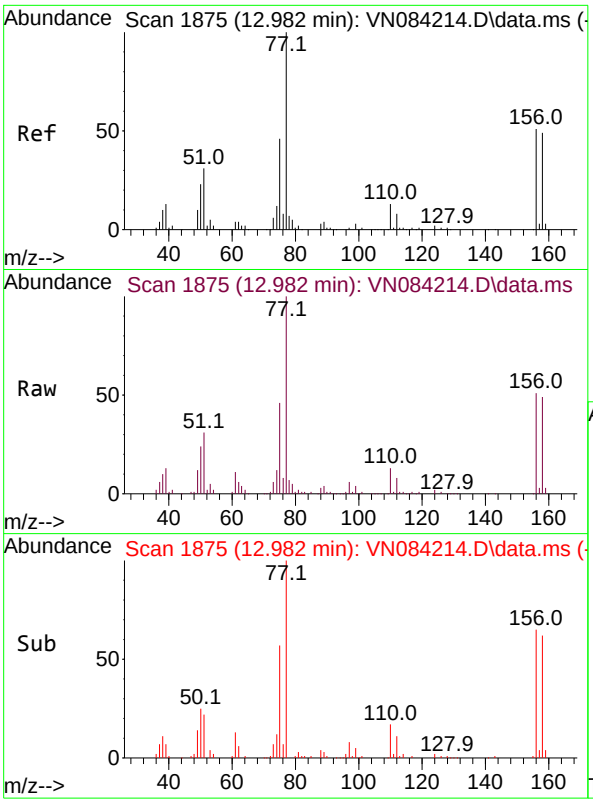


#76
1,2,3-Trichloropropane
Concen: 79.983 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 203575

Ion	Ratio	Lower	Upper
75	100		
77	136.7	96.9	290.7



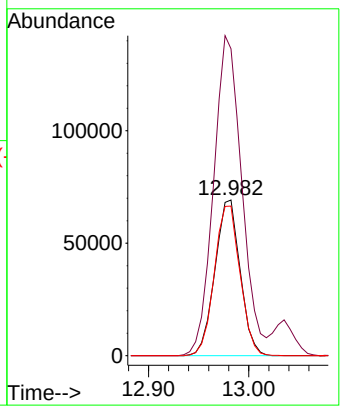


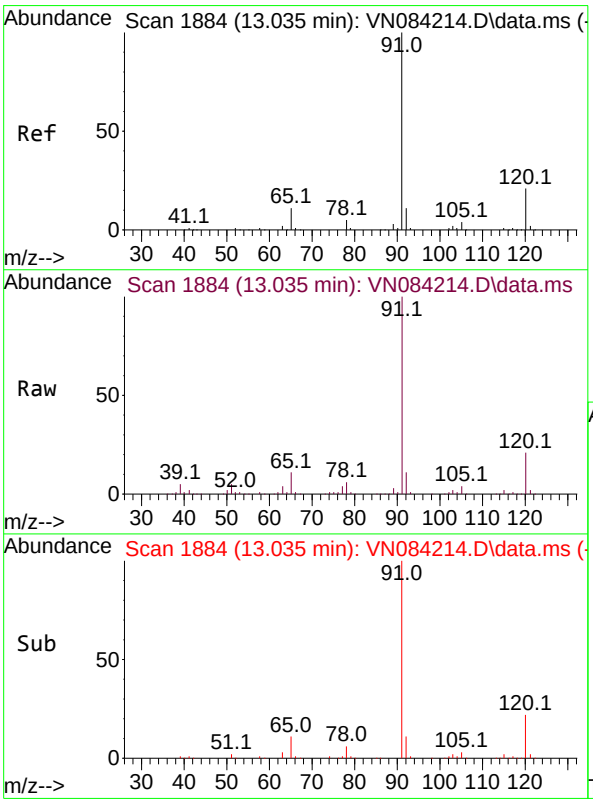
#77
Bromobenzene
Concen: 51.442 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 120918

Ion	Ratio	Lower	Upper
156	100		
77	230.2	115.1	345.3
158	97.9	48.9	146.8

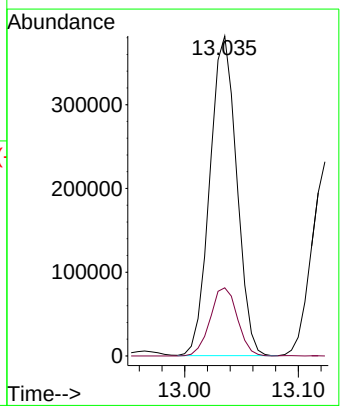


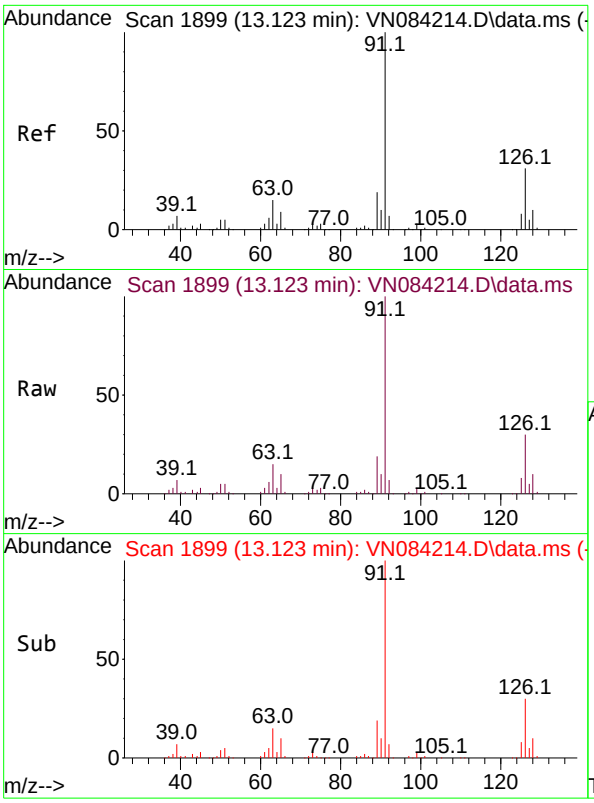


#78
n-propylbenzene
Concen: 55.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 626503

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



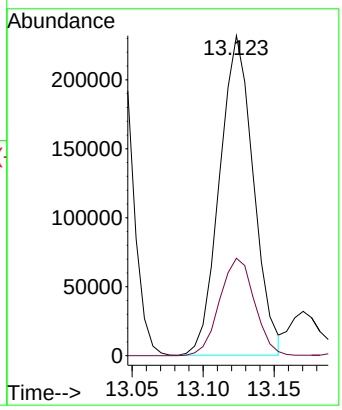


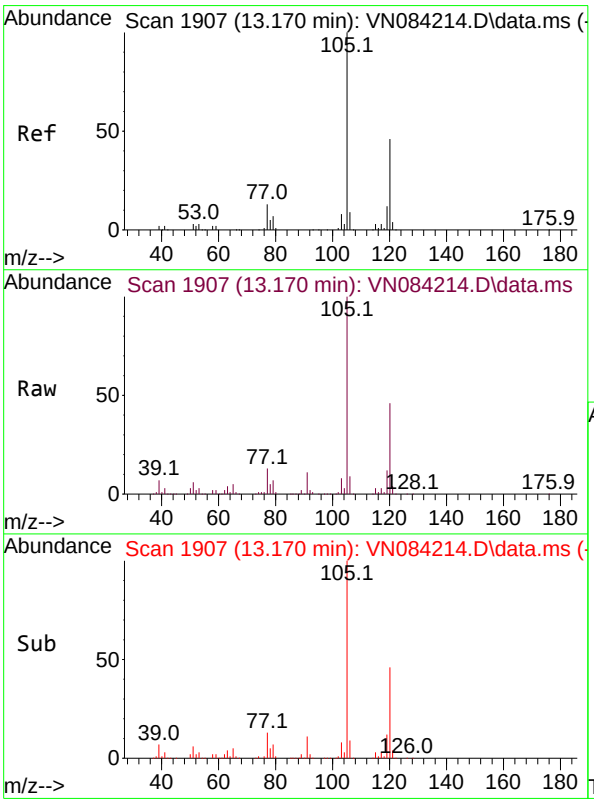
#79
2-Chlorotoluene
Concen: 53.411 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 384795

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

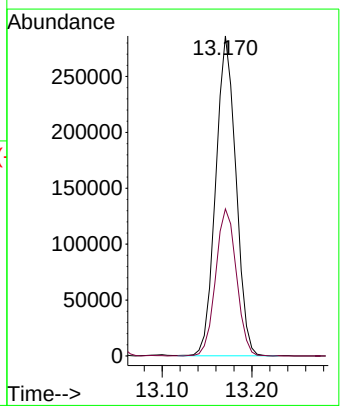


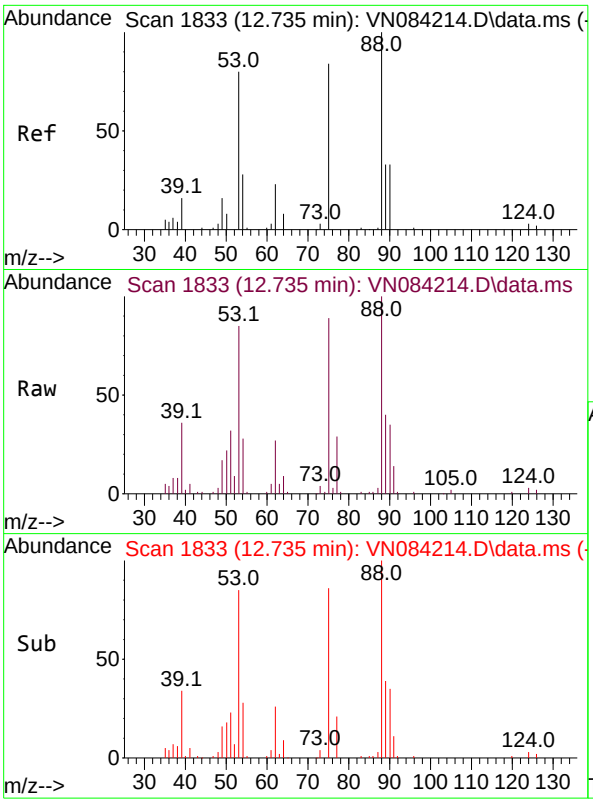


#80
1,3,5-Trimethylbenzene
Concen: 56.084 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 445807

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



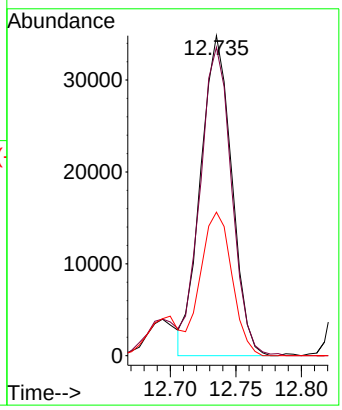


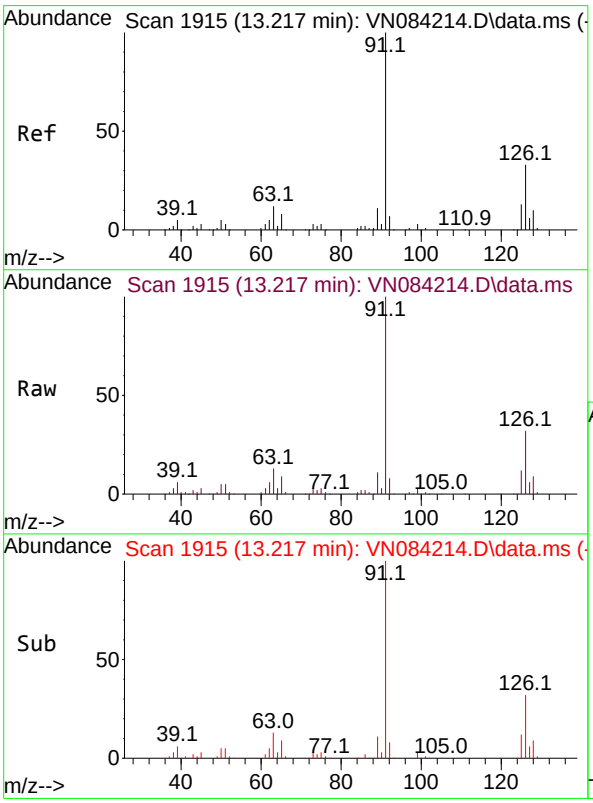
#81
trans-1,4-Dichloro-2-butene
Concen: 52.943 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 57572

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	44.4	35.5	53.3

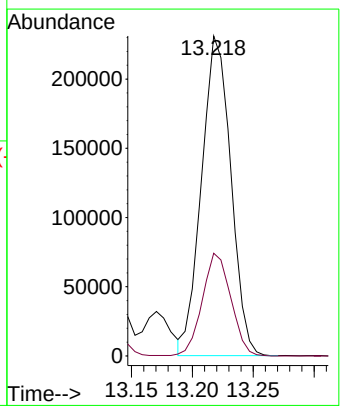


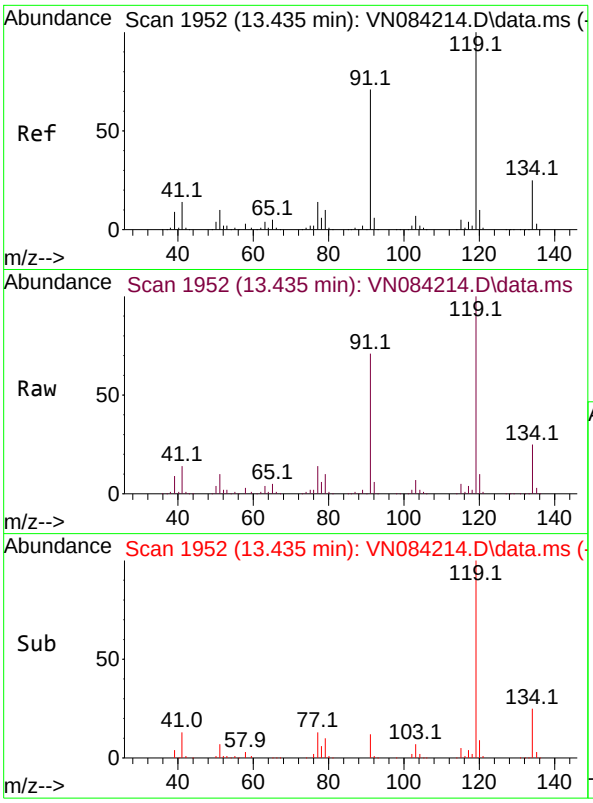


#82
4-Chlorotoluene
Concen: 53.341 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 386854

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



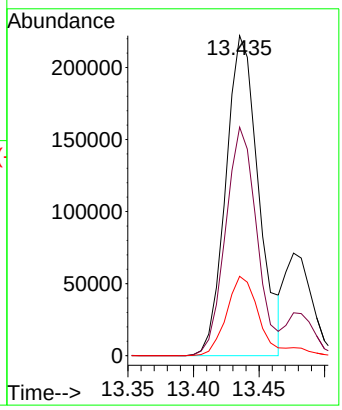


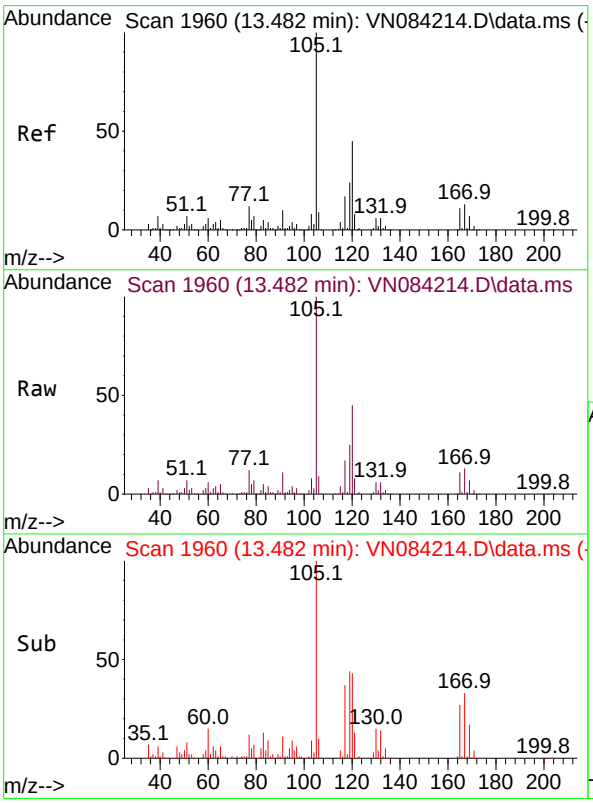
#83
tert-Butylbenzene
Concen: 54.711 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 386532

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.6	12.8	38.4

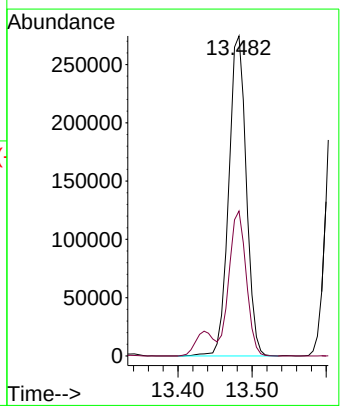


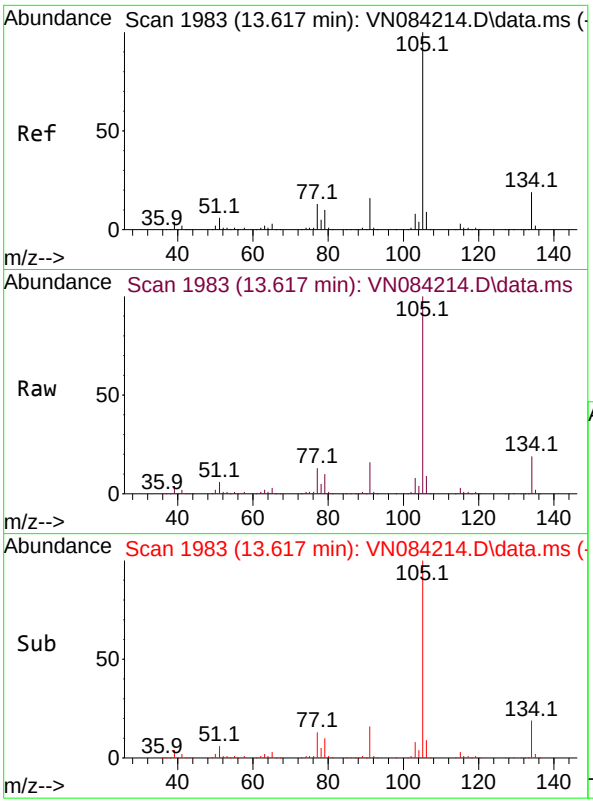


#84
1,2,4-Trimethylbenzene
Concen: 56.161 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 449720

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8



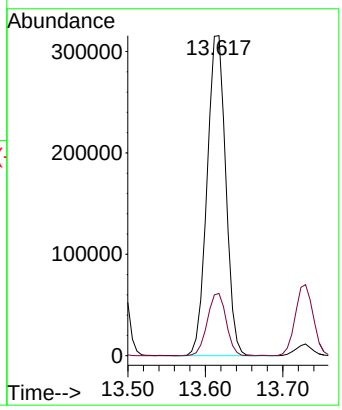


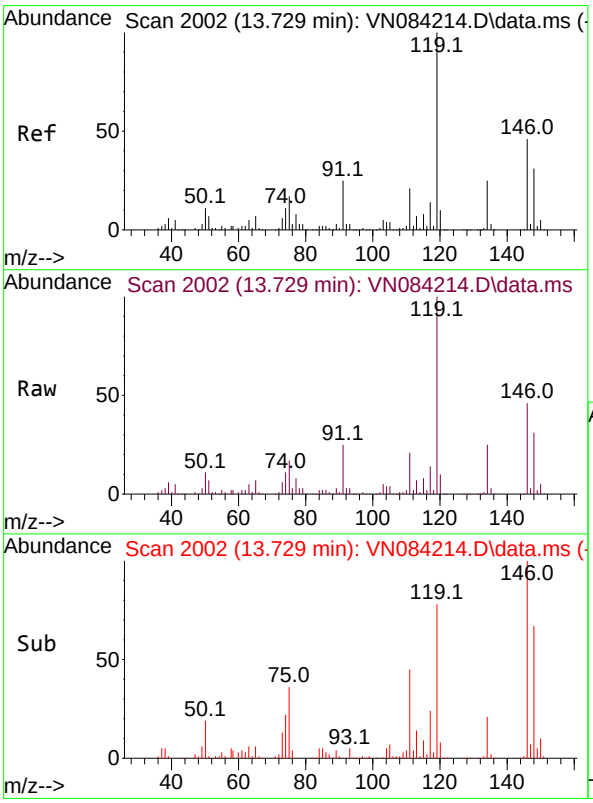
#85
sec-Butylbenzene
Concen: 56.119 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 529076

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

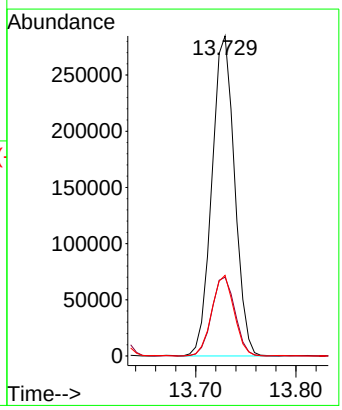


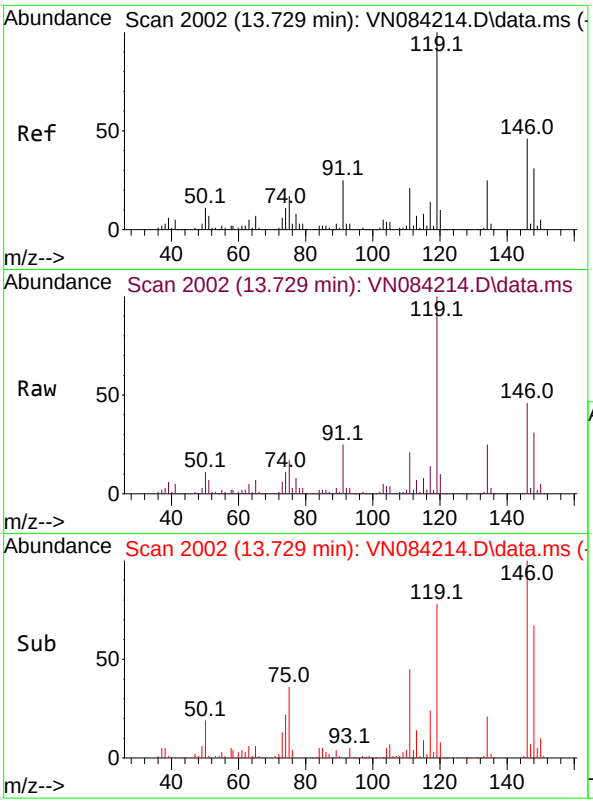


#86
p-Isopropyltoluene
Concen: 57.485 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:119 Resp: 448148

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	24.8	12.4	37.2



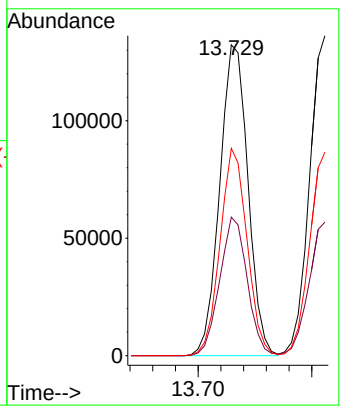


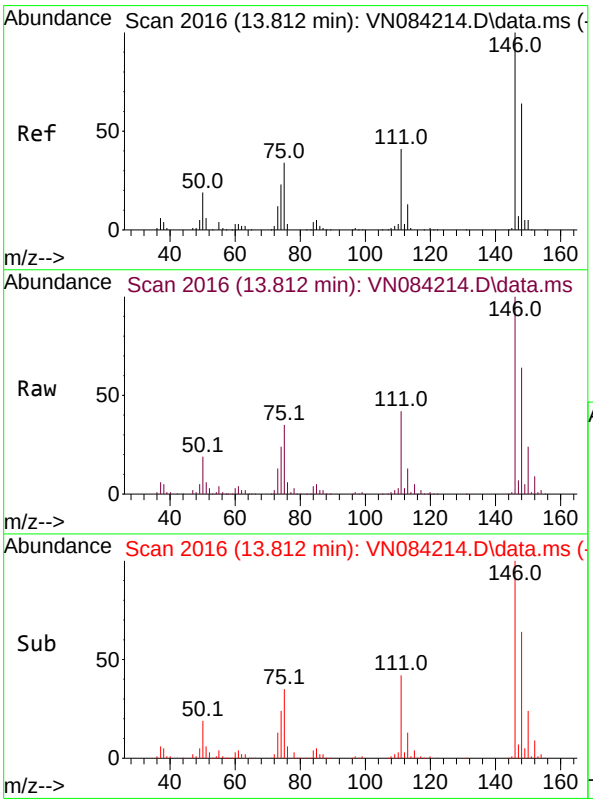
#87
1,3-Dichlorobenzene
Concen: 51.755 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 228219

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.8	31.9	95.7

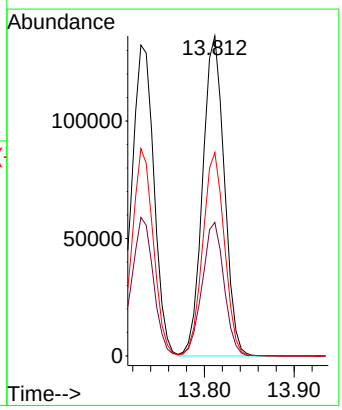


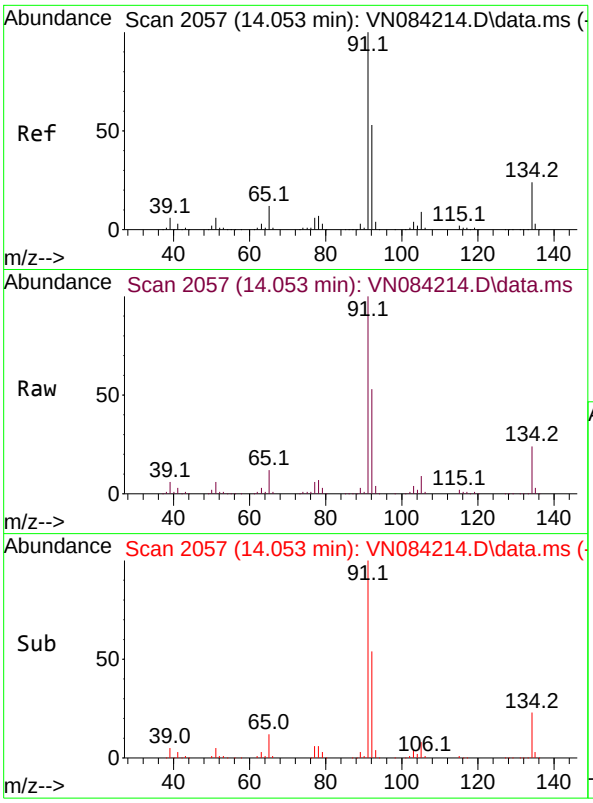


#88
1,4-Dichlorobenzene
Concen: 51.163 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 227835

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.9	31.9	95.9



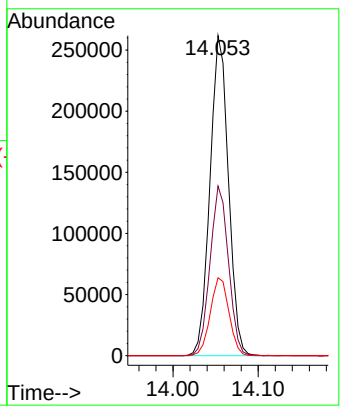


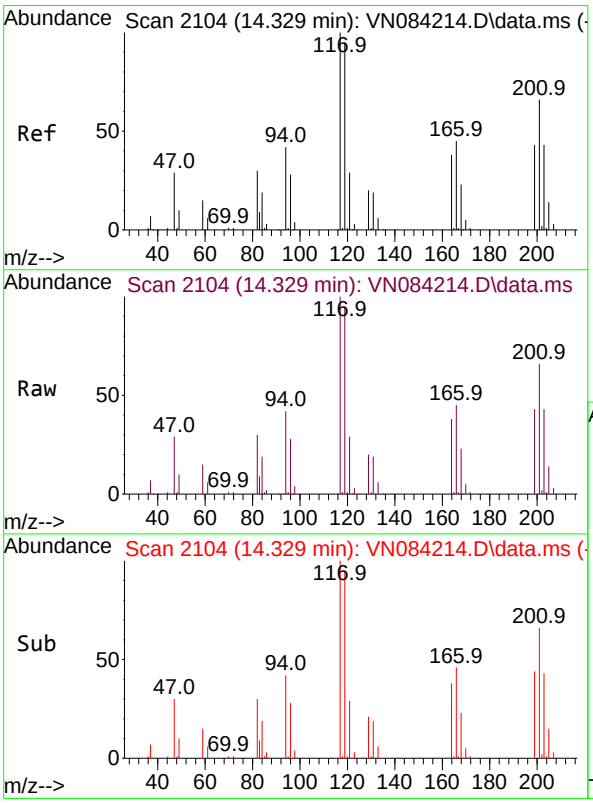
#89
n-Butylbenzene
Concen: 55.854 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 394831

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.6	12.3	36.9

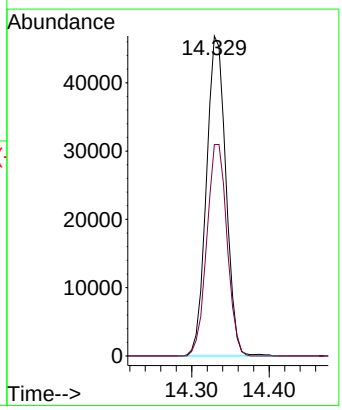


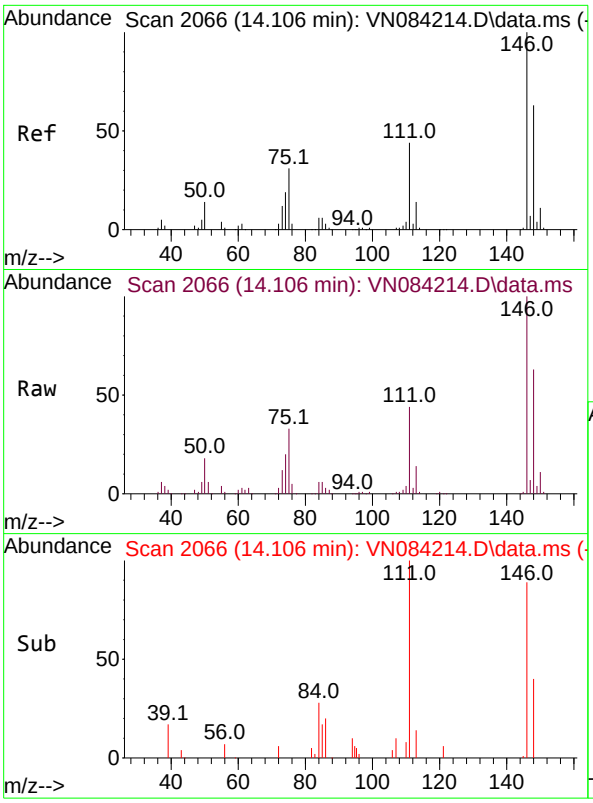


#90
Hexachloroethane
Concen: 51.582 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 81626

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2



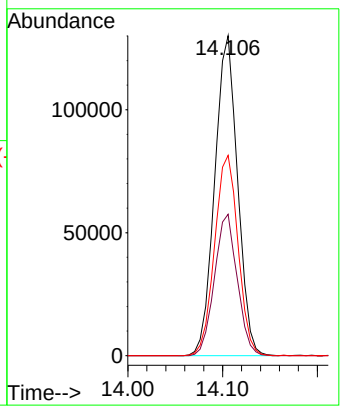


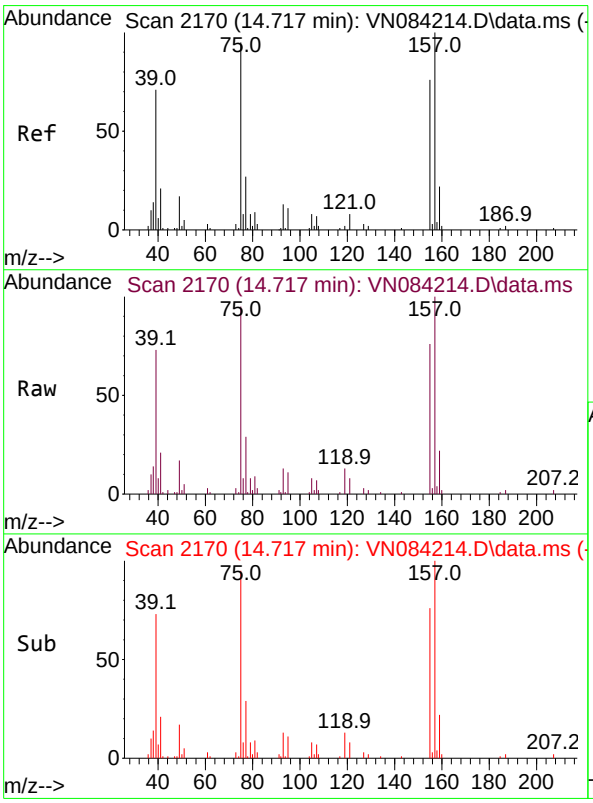
#91
1,2-Dichlorobenzene
Concen: 50.506 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 218378

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.2	32.1	96.3

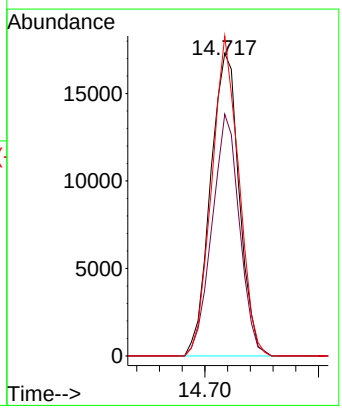


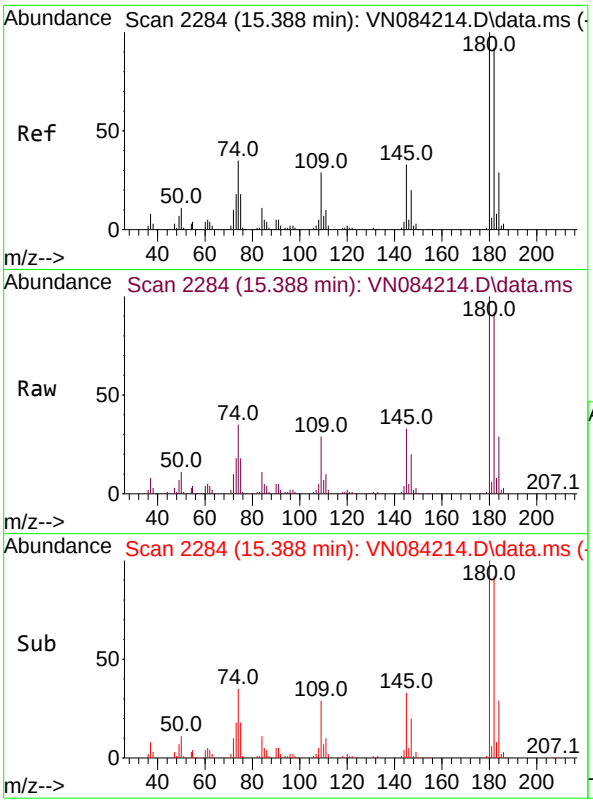


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 30379

Ion	Ratio	Lower	Upper
75	100		
155	76.3	38.1	114.5
157	99.3	49.6	149.0



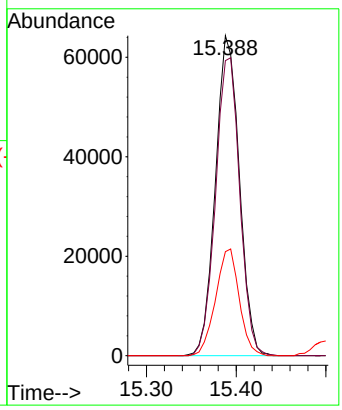


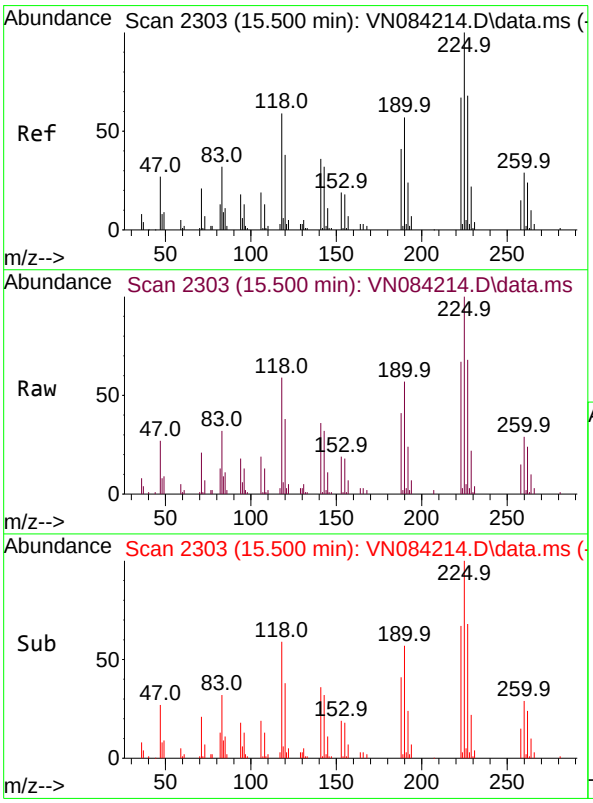
#93
1,2,4-Trichlorobenzene
Concen: 55.953 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 119164

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.9	16.4	49.4

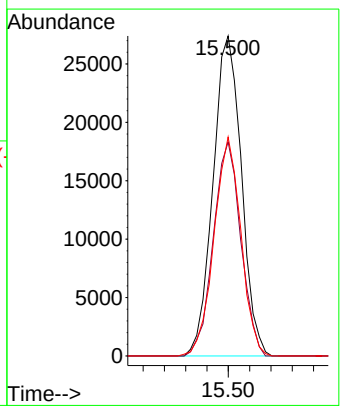


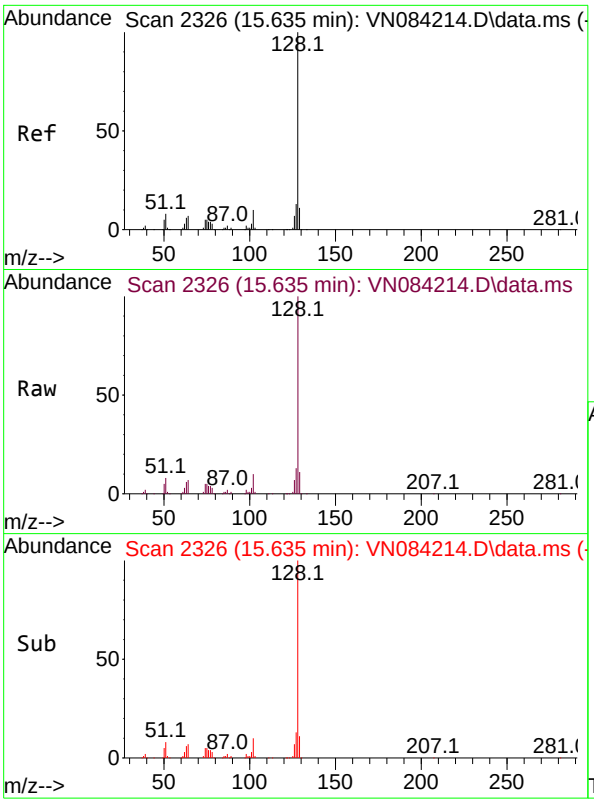


#94
Hexachlorobutadiene
Concen: 47.718 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:225 Resp: 50680

Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.4	97.2
227	64.7	32.4	97.0



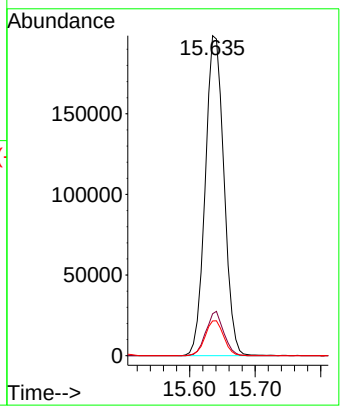


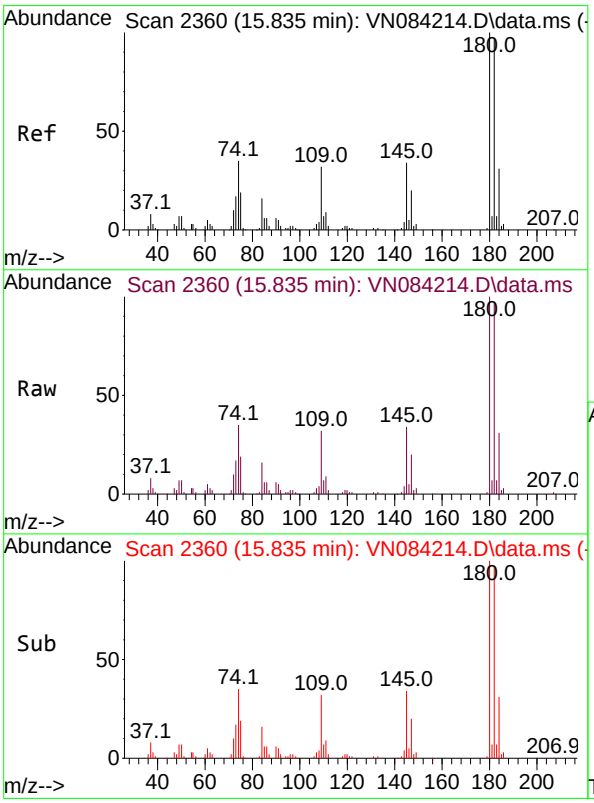
#95
Naphthalene
Concen: 55.688 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 393177

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

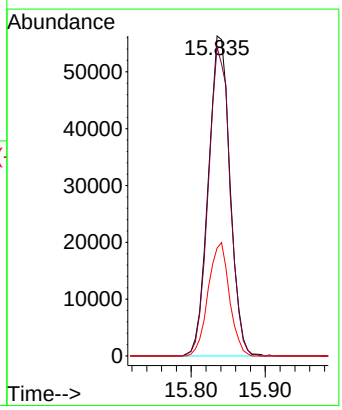




#96
1,2,3-Trichlorobenzene
Concen: 53.701 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:180 Resp: 114483

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.2	144.6
145	34.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	178087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	54409	20.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	41.220%#		
35) Dibromofluoromethane	8.171	113	41903	20.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.360%#		
50) Toluene-d8	10.565	98	152668	20.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.960%#		
62) 4-Bromofluorobenzene	12.847	95	55201	20.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42709	20.275	ug/l	94
3) Chloromethane	2.359	50	48218	20.047	ug/l	99
4) Vinyl Chloride	2.518	62	47375	20.334	ug/l	96
5) Bromomethane	2.942	94	30751	20.010	ug/l	97
6) Chloroethane	3.118	64	30650	18.369	ug/l	96
7) Trichlorofluoromethane	3.495	101	74579	20.557	ug/l	95
8) Diethyl Ether	3.959	74	29090	21.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	42958	20.665	ug/l	99
10) Methyl Iodide	4.589	142	54769	20.458	ug/l	97
11) Tert butyl alcohol	5.518	59	45501	104.506	ug/l	98
12) 1,1-Dichloroethene	4.336	96	42450	21.171	ug/l	95
13) Acrolein	4.183	56	48261	96.553	ug/l	98
14) Allyl chloride	5.024	41	77338	22.208	ug/l	92
15) Acrylonitrile	5.718	53	115451	105.004	ug/l	99
16) Acetone	4.430	43	119948	105.747	ug/l	98
17) Carbon Disulfide	4.706	76	124366	19.590	ug/l	99
18) Methyl Acetate	5.030	43	49436	19.996	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	144972	21.421	ug/l	100
20) Methylene Chloride	5.271	84	47091	20.423	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	44064	20.976	ug/l	92
22) Diisopropyl ether	6.671	45	154575	21.460	ug/l	98
23) Vinyl Acetate	6.600	43	589404	109.739	ug/l	99
24) 1,1-Dichloroethane	6.565	63	82821	20.561	ug/l	98
25) 2-Butanone	7.482	43	165762	107.295	ug/l	100
26) 2,2-Dichloropropane	7.494	77	76824	21.152	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	52758	20.783	ug/l	99
28) Bromochloromethane	7.812	49	34591	19.246	ug/l	99
29) Tetrahydrofuran	7.835	42	100146	105.041	ug/l	99
30) Chloroform	7.965	83	85848	20.517	ug/l	99
31) Cyclohexane	8.253	56	77216	19.743	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	77552	20.637	ug/l	97
36) 1,1-Dichloropropene	8.371	75	61556	20.918	ug/l	99
37) Ethyl Acetate	7.559	43	61023	20.213	ug/l	99
38) Carbon Tetrachloride	8.359	117	67913	21.039	ug/l	95
39) Methylcyclohexane	9.600	83	70956	21.665	ug/l	99
40) Benzene	8.606	78	191581	20.896	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	34943	21.320	ug/l		99
42) 1,2-Dichloroethane	8.671	62	64453	20.736	ug/l		99
43) Isopropyl Acetate	8.688	43	114278	19.334	ug/l		99
44) Trichloroethene	9.347	130	44412	20.740	ug/l		98
45) 1,2-Dichloropropane	9.618	63	46651	21.509	ug/l		100
46) Dibromomethane	9.706	93	31672	21.639	ug/l		97
47) Bromodichloromethane	9.888	83	68343	21.017	ug/l		96
48) Methyl methacrylate	9.682	41	50498	21.453	ug/l		98
49) 1,4-Dioxane	9.700	88	18411	424.848	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.441	43	313636	109.132	ug/l		99
52) Toluene	10.629	92	118412	21.179	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	70403	21.240	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74778	20.973	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	42631	21.270	ug/l		98
56) Ethyl methacrylate	10.871	69	72159	21.880	ug/l		99
57) 1,3-Dichloropropane	11.159	76	75915	21.197	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	142843	93.367	ug/l		99
59) 2-Hexanone	11.194	43	237694	110.658	ug/l		100
60) Dibromochloromethane	11.359	129	50326	21.251	ug/l		97
61) 1,2-Dibromoethane	11.470	107	44554	21.393	ug/l		98
64) Tetrachloroethene	11.100	164	38055	20.179	ug/l		97
65) Chlorobenzene	11.888	112	123787	20.620	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44285	21.417	ug/l		96
67) Ethyl Benzene	11.959	91	219635	20.688	ug/l		98
68) m/p-Xylenes	12.070	106	168826	42.989	ug/l		98
69) o-Xylene	12.394	106	79896	21.503	ug/l		98
70) Styrene	12.412	104	134066	21.302	ug/l		98
71) Bromoform	12.576	173	32824	21.561	ug/l	#	99
73) Isopropylbenzene	12.694	105	207217	21.254	ug/l		99
74) N-amyl acetate	12.494	43	93392	21.154	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	60656	20.690	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	81444	31.983	ug/l		61
77) Bromobenzene	12.976	156	48803	20.752	ug/l		98
78) n-propylbenzene	13.035	91	241164	21.350	ug/l		98
79) 2-Chlorotoluene	13.123	91	147738	20.497	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	171600	21.577	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22222	20.426	ug/l		92
82) 4-Chlorotoluene	13.217	91	151387	20.864	ug/l		100
83) tert-Butylbenzene	13.435	119	147727	20.899	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	176283	22.004	ug/l		99
85) sec-Butylbenzene	13.611	105	205477	21.784	ug/l		99
86) p-Isopropyltoluene	13.729	119	171766	22.022	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	90970	20.620	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	88628	19.893	ug/l		96
89) n-Butylbenzene	14.053	91	151334	21.398	ug/l		100
90) Hexachloroethane	14.335	117	32554	20.562	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	88942	20.560	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12914	21.347	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	47149	22.128	ug/l		99
94) Hexachlorobutadiene	15.500	225	22742	21.402	ug/l		97
95) Naphthalene	15.641	128	149988	21.233	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	46153	21.639	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

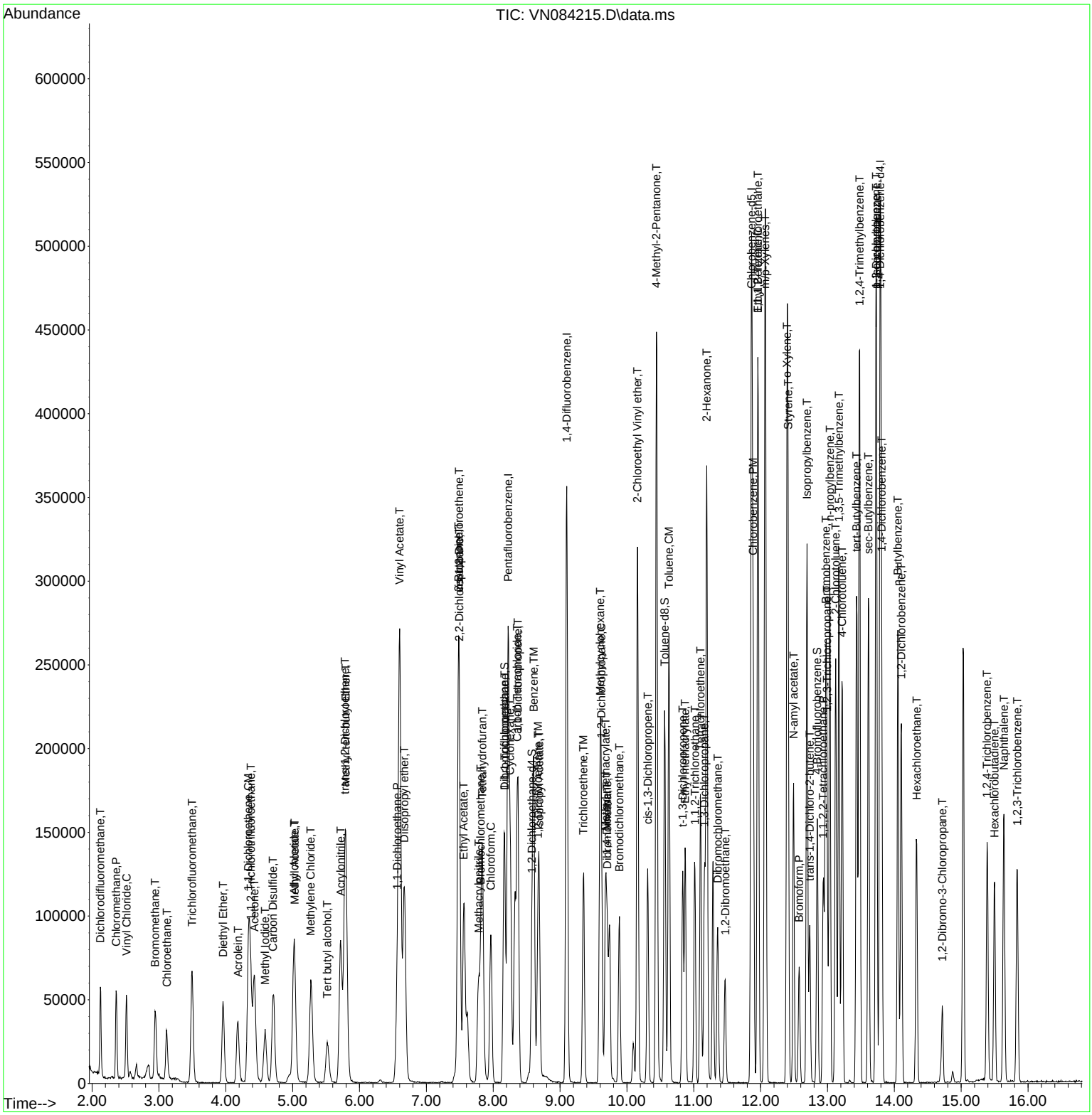
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

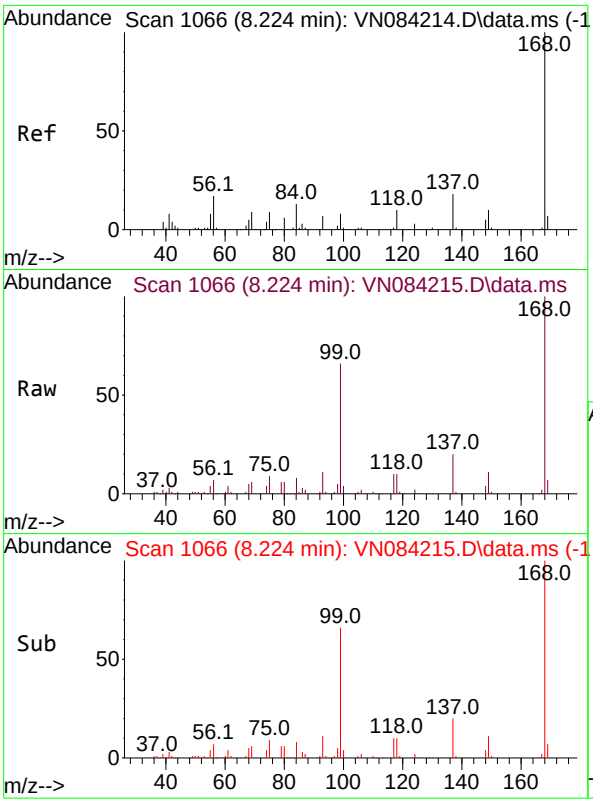
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 01 06:48:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



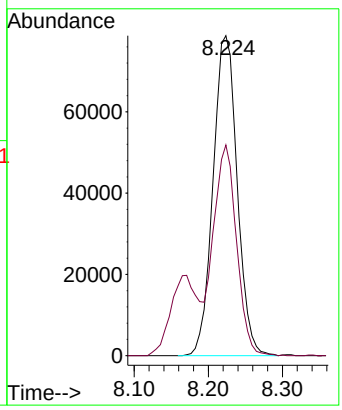


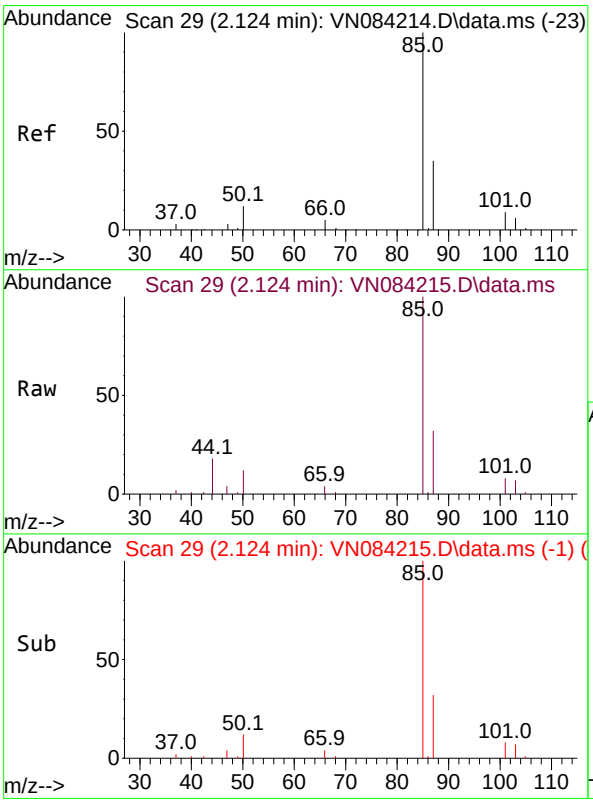
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 178087

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2

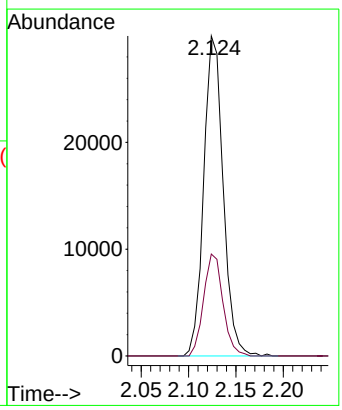


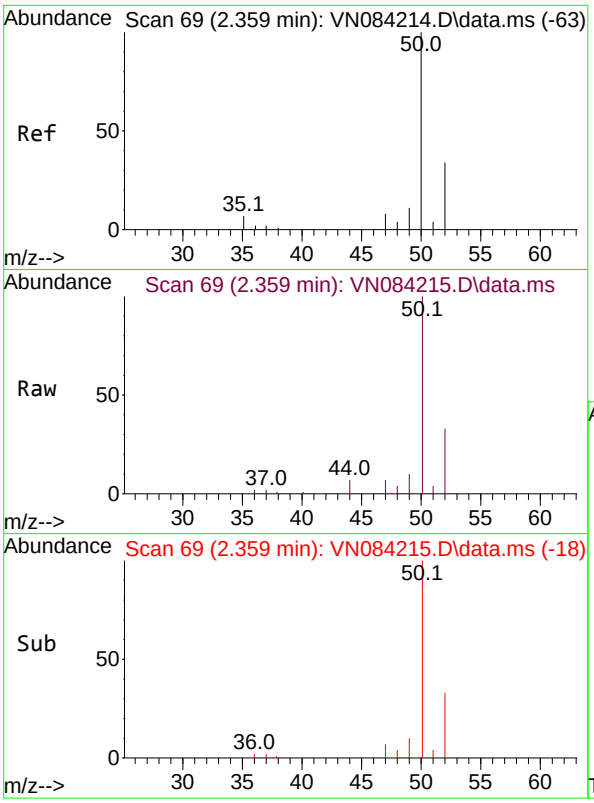


#2
Dichlorodifluoromethane
Concen: 20.275 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 85 Resp: 42709

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



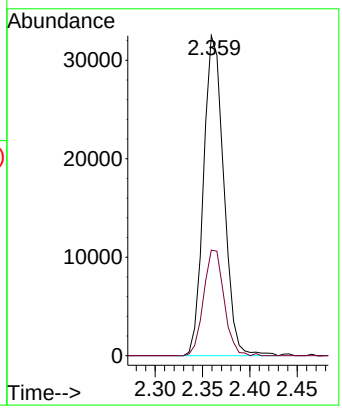


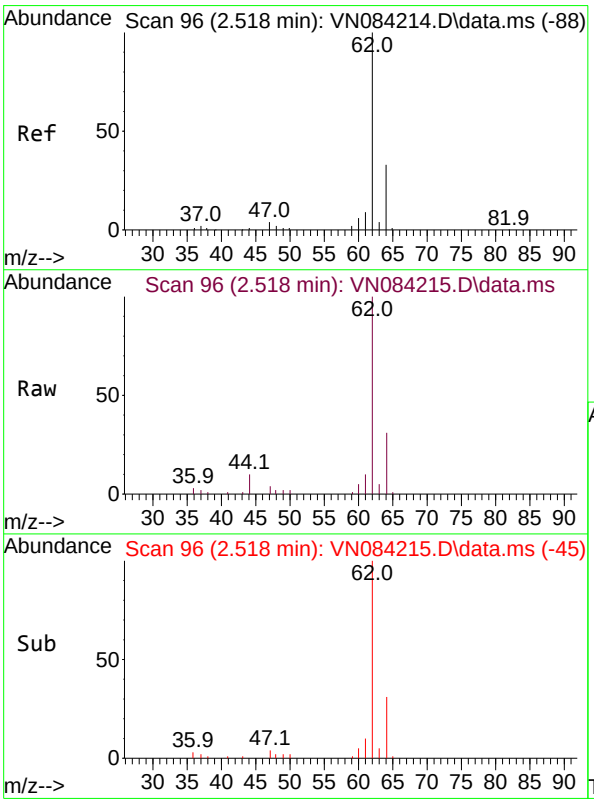
#3
Chloromethane
Concen: 20.047 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 48218

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2

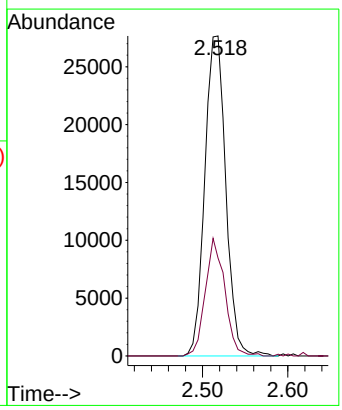


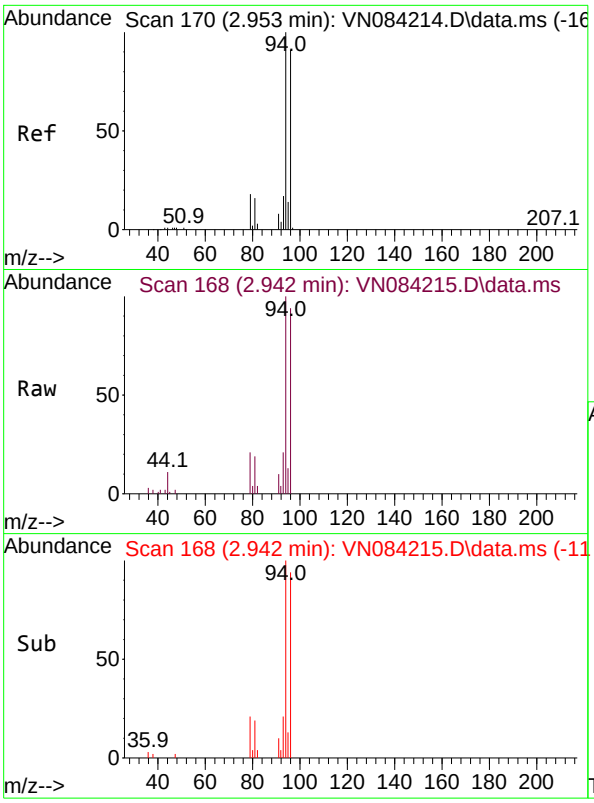


#4
Vinyl Chloride
Concen: 20.334 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 47375

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4



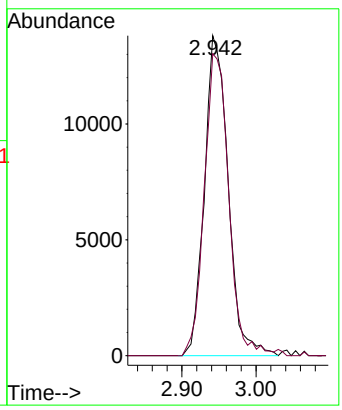


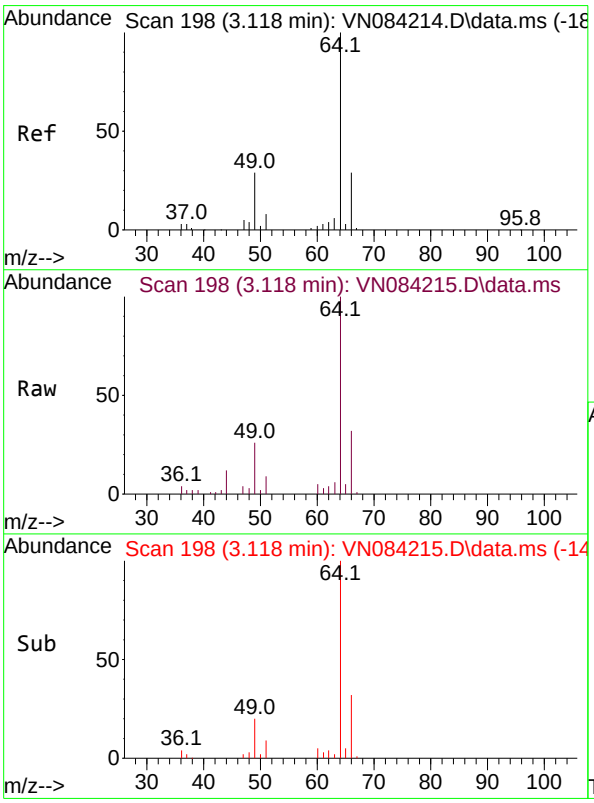
#5
Bromomethane
Concen: 20.010 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 30751

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3

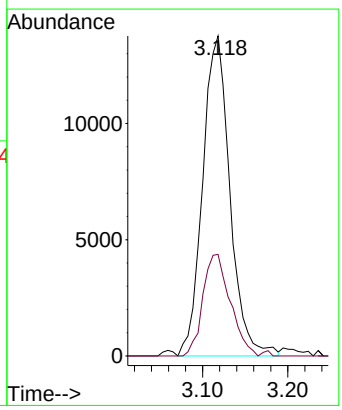


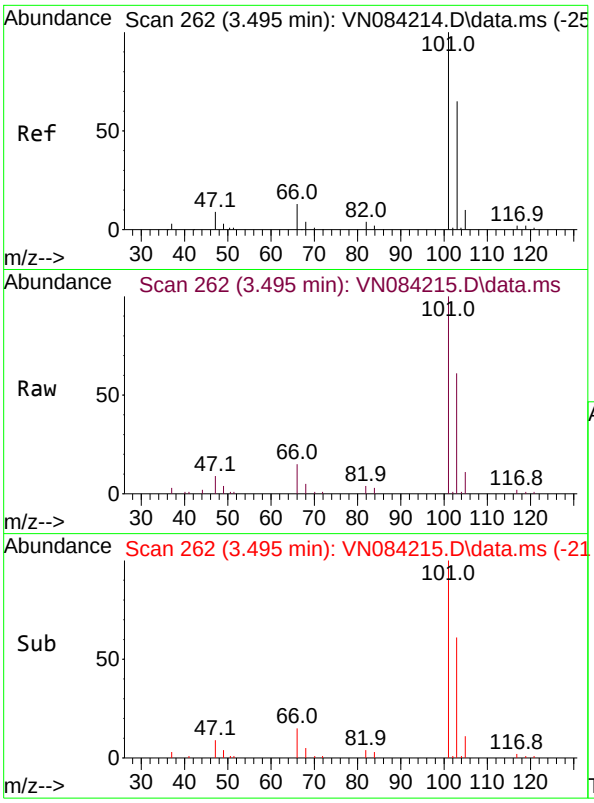


#6
Chloroethane
Concen: 18.369 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 64 Resp: 30650

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3



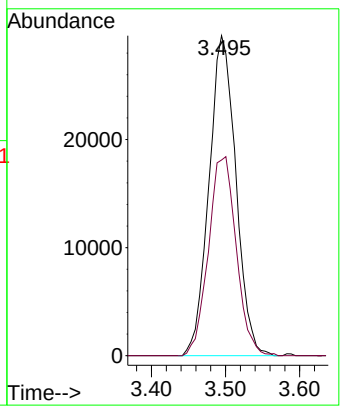


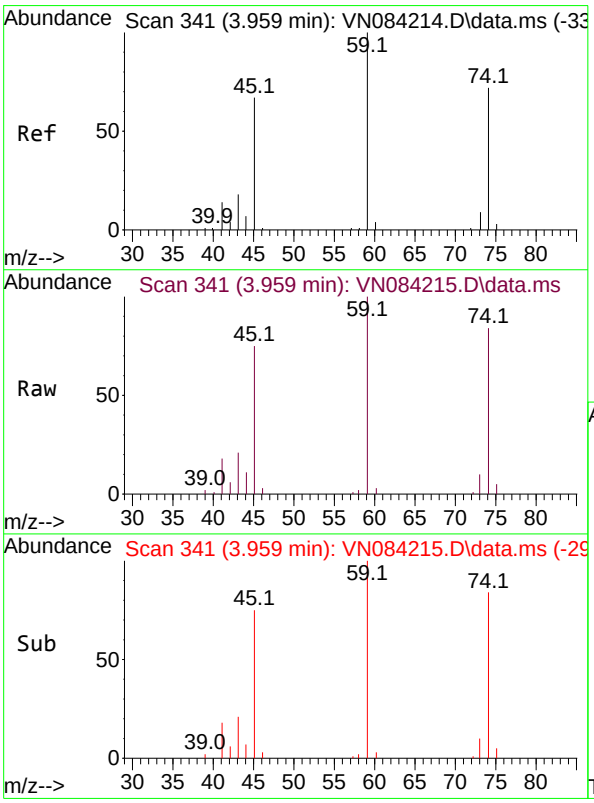
#7
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 74579

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.8	77.6

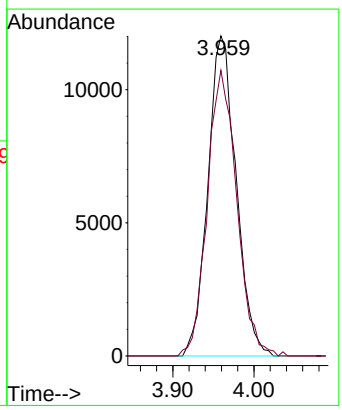


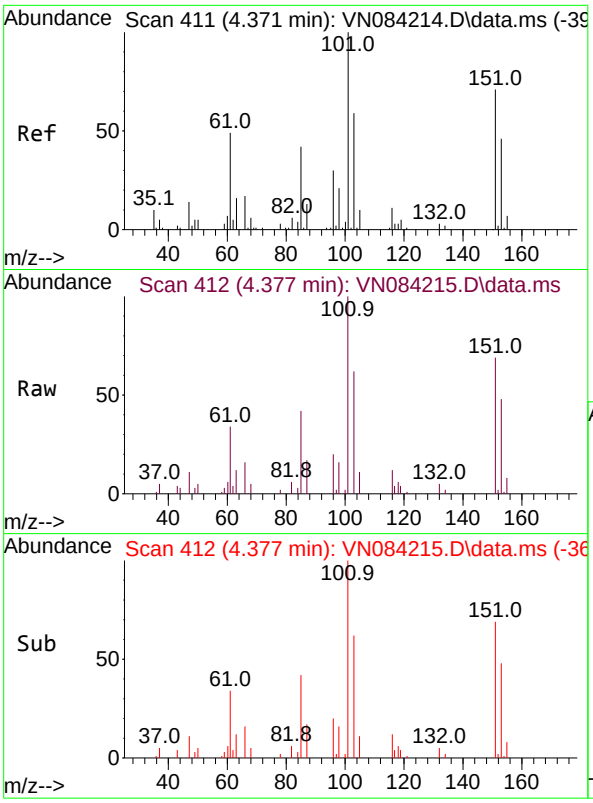


#8
Diethyl Ether
Concen: 21.619 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 74 Resp: 29090

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1



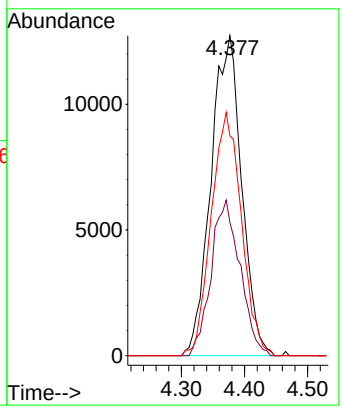


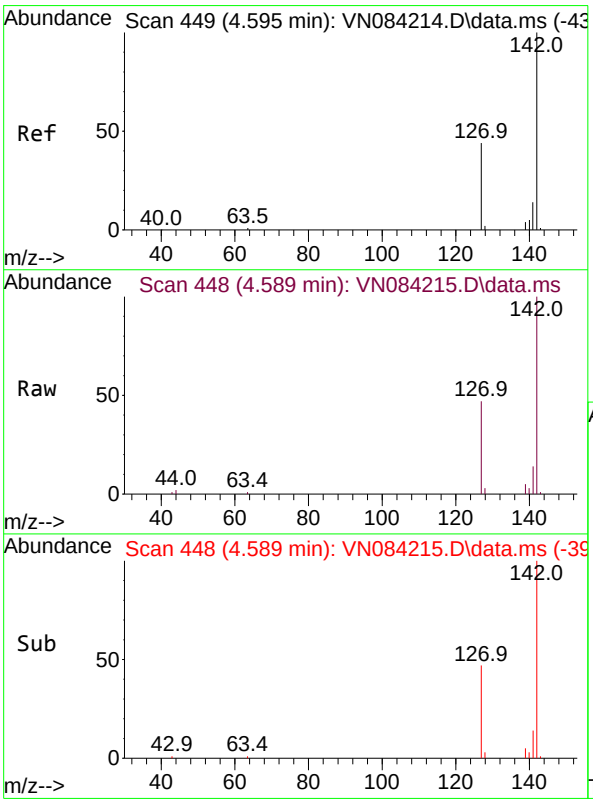
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 42958

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	74.9	59.3	88.9

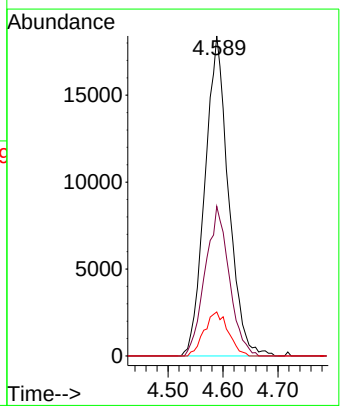


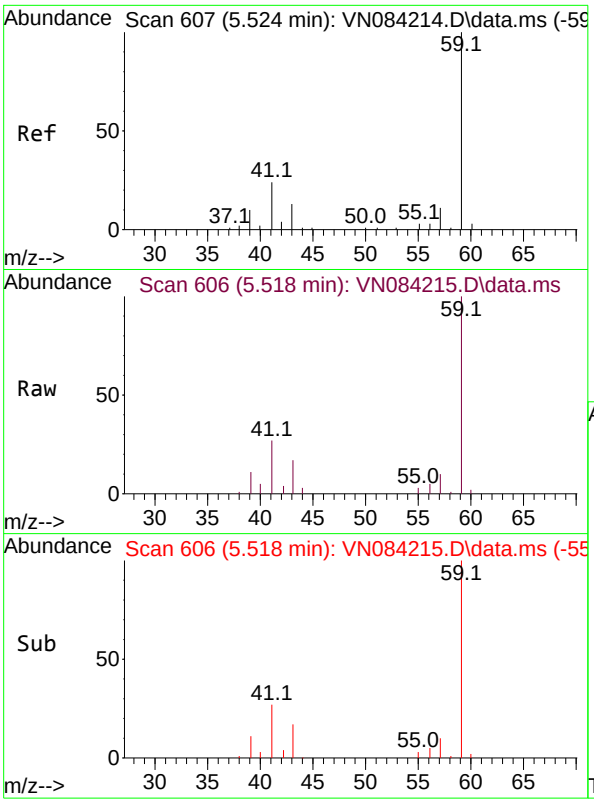


#10
Methyl Iodide
Concen: 20.458 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:142 Resp: 54769

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	13.7	11.0	16.6



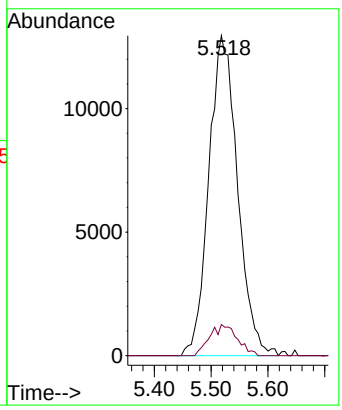


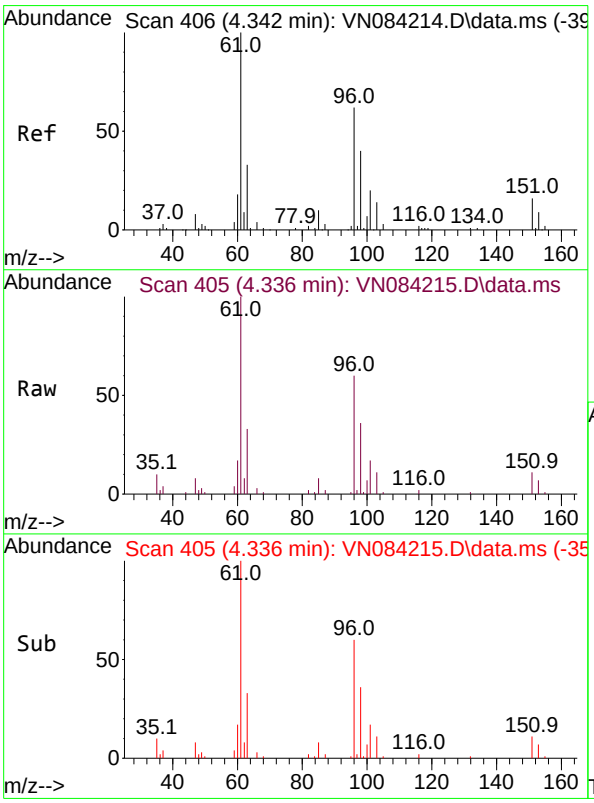
#11
Tert butyl alcohol
Concen: 104.506 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 45501

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

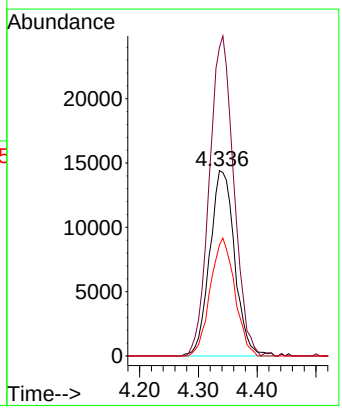


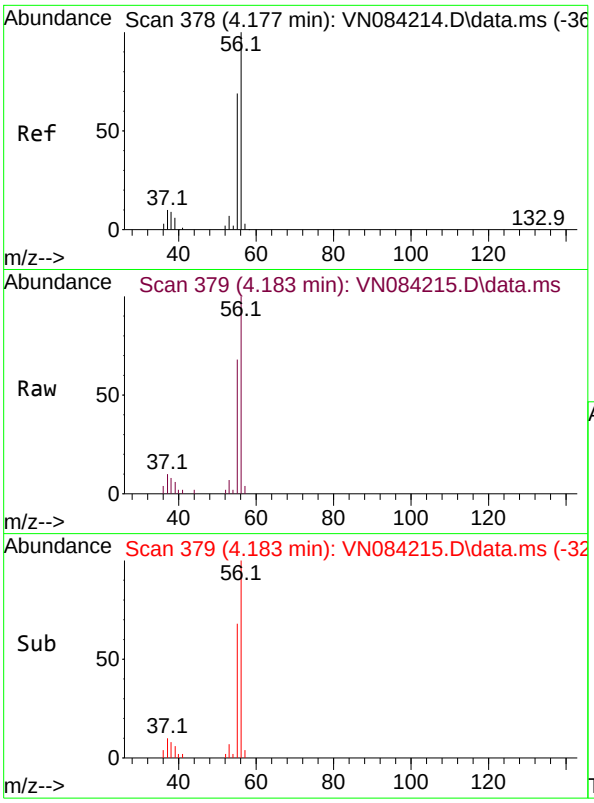


#12
1,1-Dichloroethene
Concen: 21.171 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 42450

Ion	Ratio	Lower	Upper
96	100		
61	166.5	128.6	192.8
98	60.0	51.7	77.5



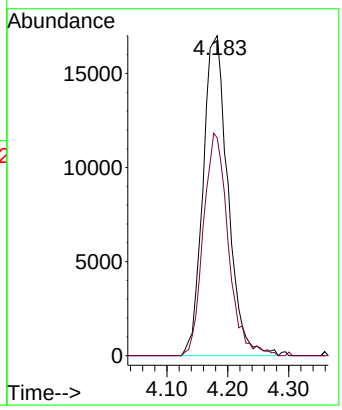


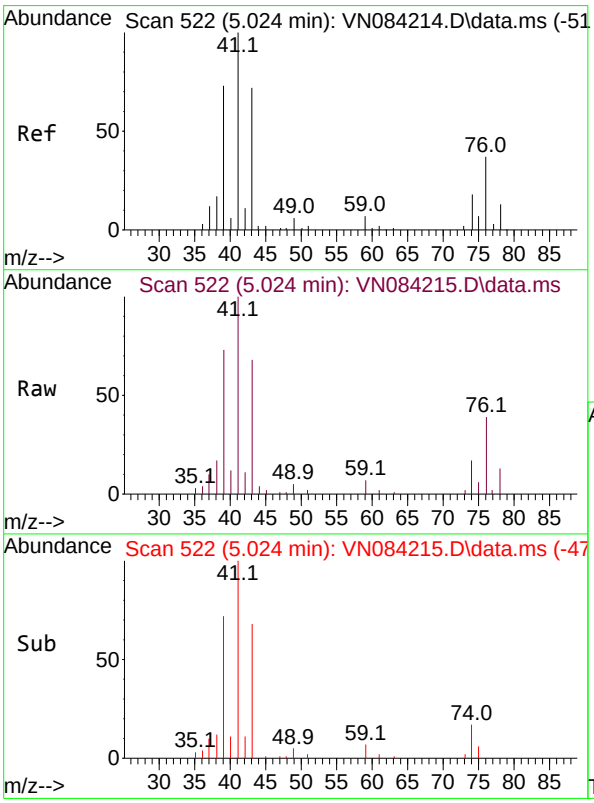
#13
Acrolein
Concen: 96.553 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 48261

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.2	85.8

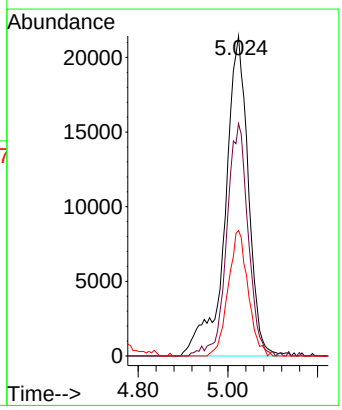


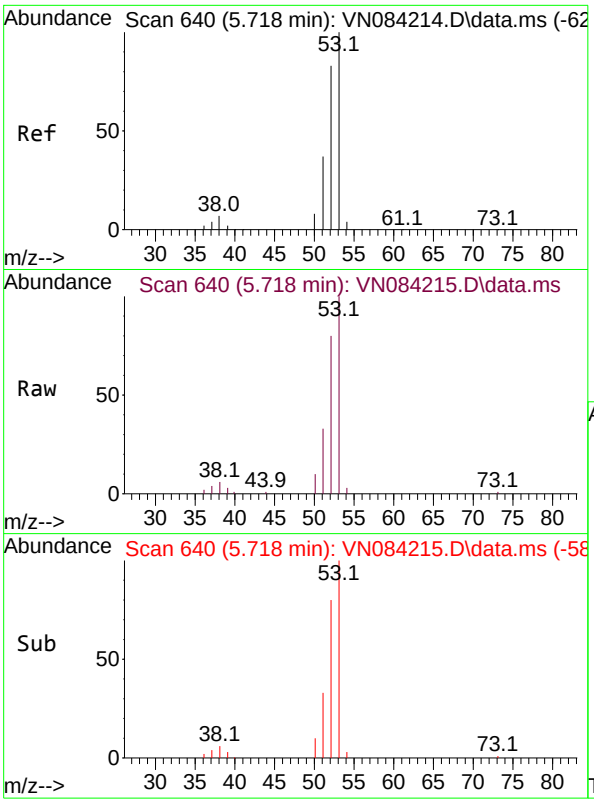


#14
Allyl chloride
Concen: 22.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 77338

Ion	Ratio	Lower	Upper
41	100		
39	66.9	59.0	88.6
76	33.5	29.8	44.6



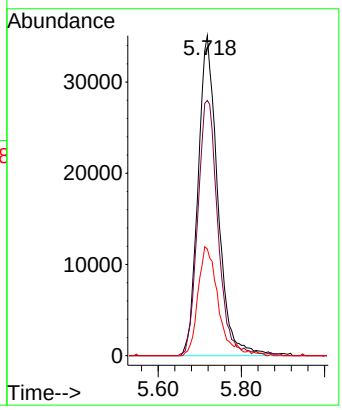


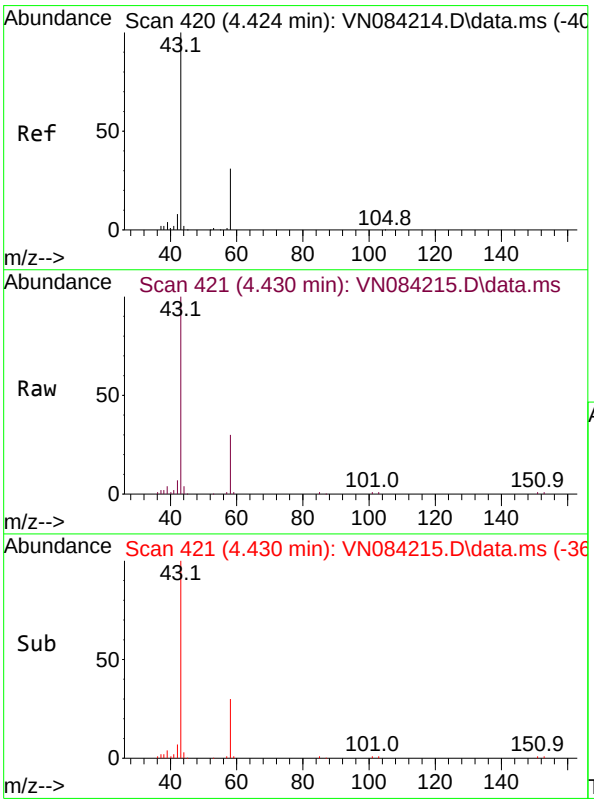
#15
Acrylonitrile
Concen: 105.004 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 115451

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.2	28.8	43.2

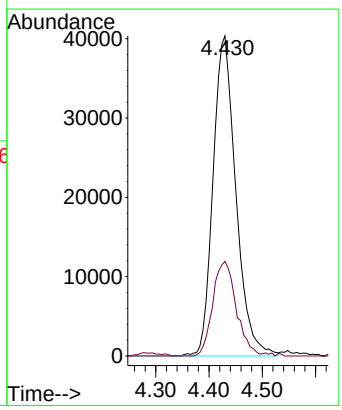


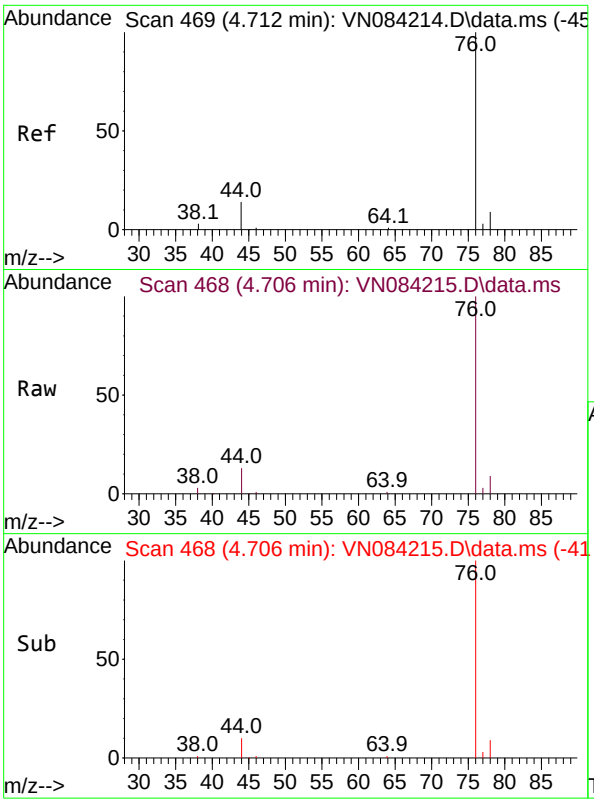


#16
Acetone
Concen: 105.747 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



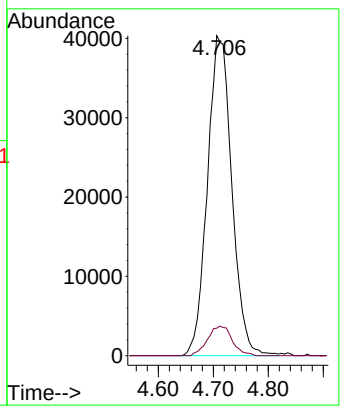


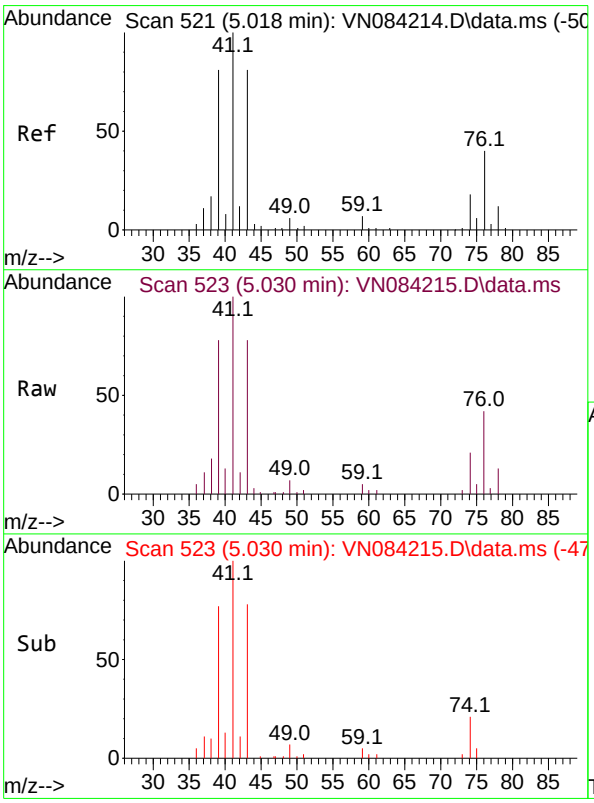
#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 124366

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

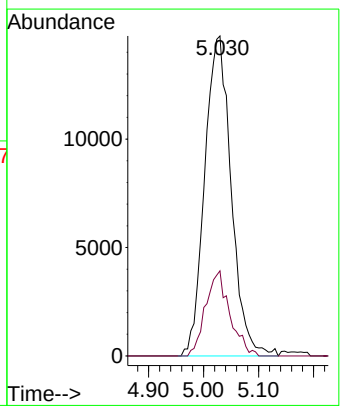


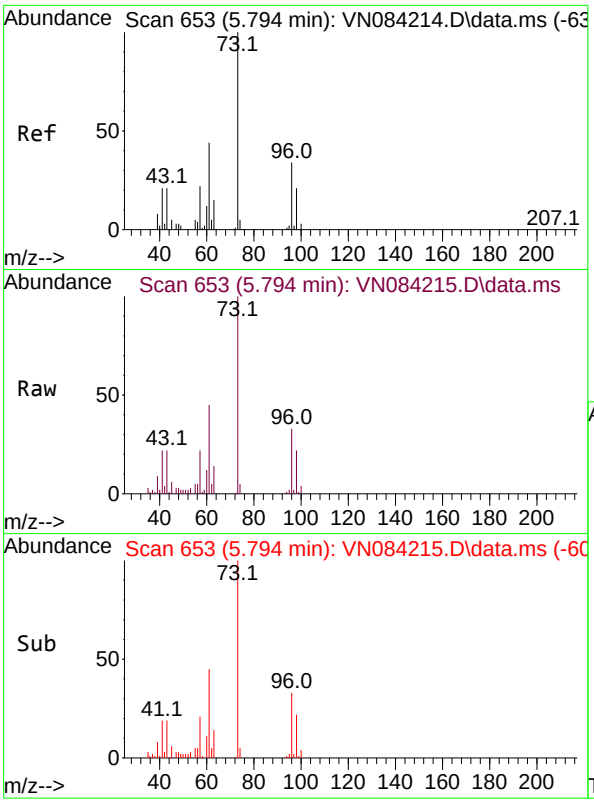


#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 49436

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8



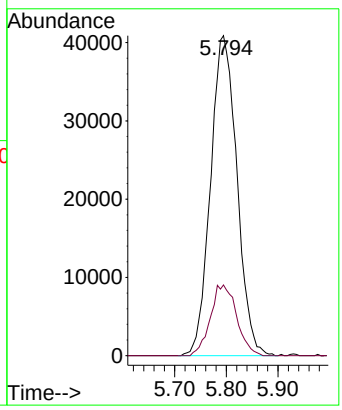


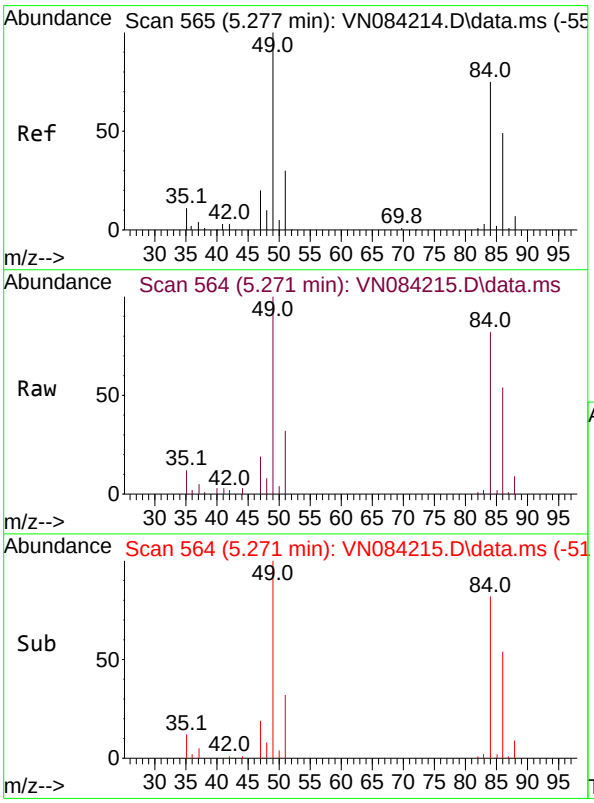
#19
Methyl tert-butyl Ether
Concen: 21.421 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 144972

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

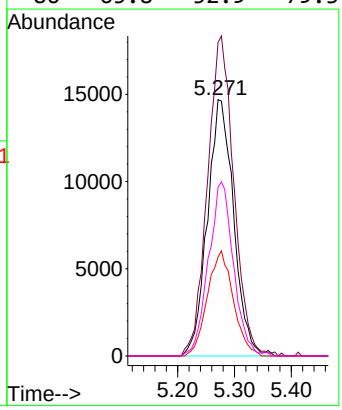


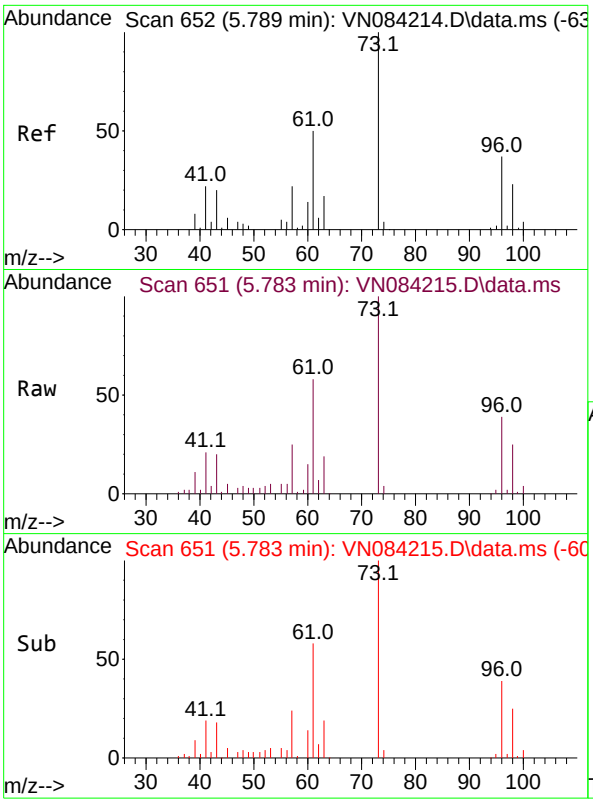


#20
Methylene Chloride
Concen: 20.423 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 84 Resp: 47091

Ion	Ratio	Lower	Upper
84	100		
49	122.3	107.2	160.8
51	38.6	31.8	47.8
86	65.8	52.9	79.3



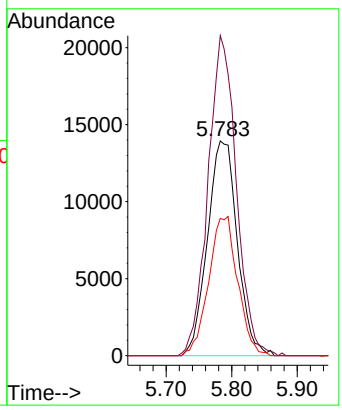


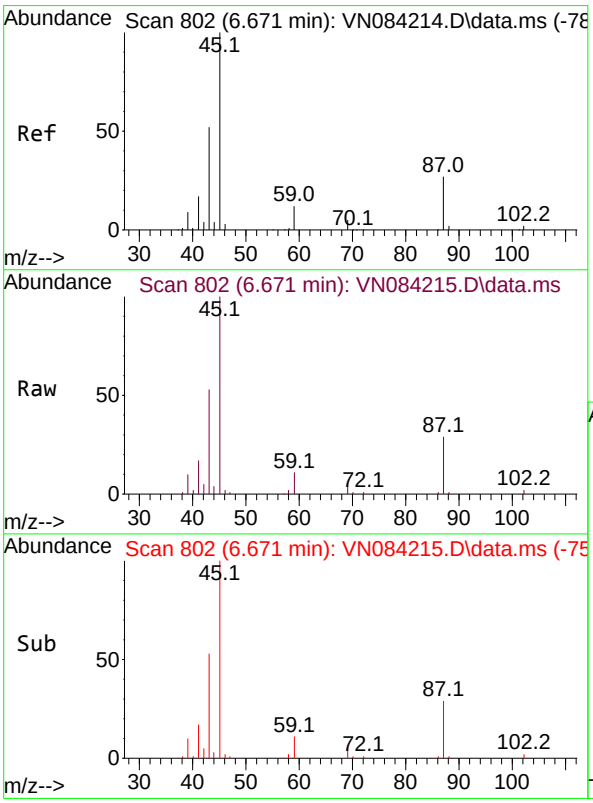
#21
trans-1,2-Dichloroethene
Concen: 20.976 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44064

Ion	Ratio	Lower	Upper
96	100		
61	149.0	108.4	162.6
98	63.9	49.8	74.8

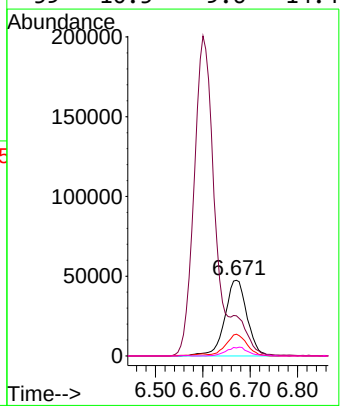


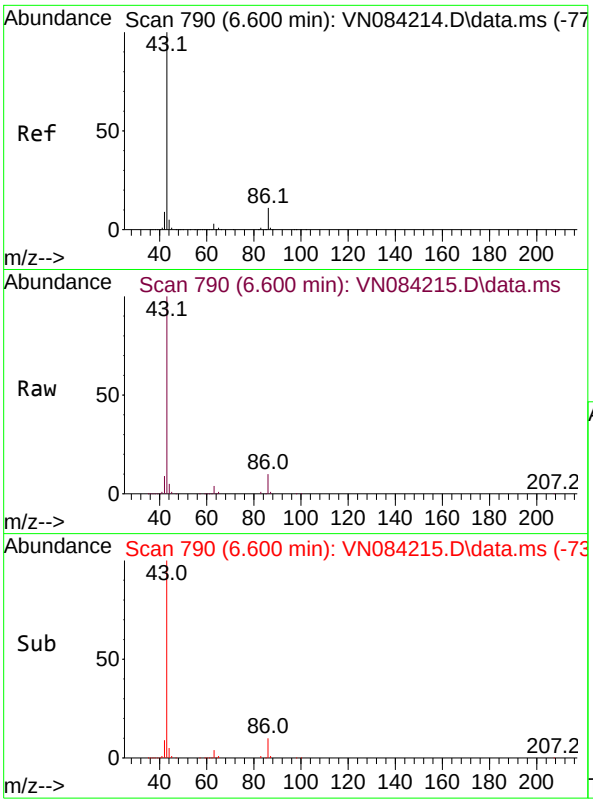


#22
Diisopropyl ether
Concen: 21.460 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 45 Resp: 154575

Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.3	63.5
87	28.8	21.8	32.6
59	10.5	9.6	14.4



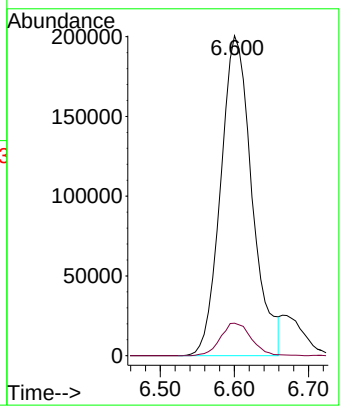


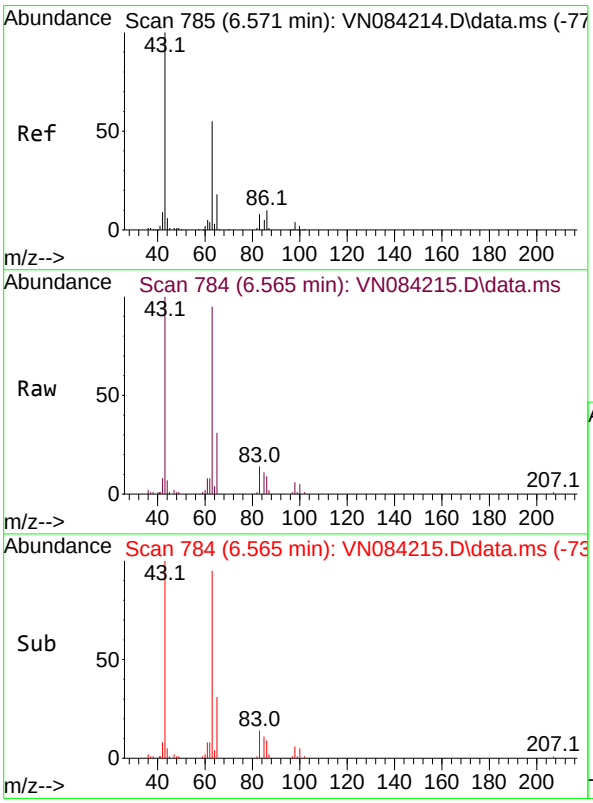
#23
Vinyl Acetate
Concen: 109.739 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 589404

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8

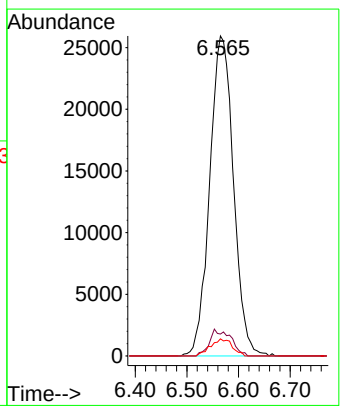


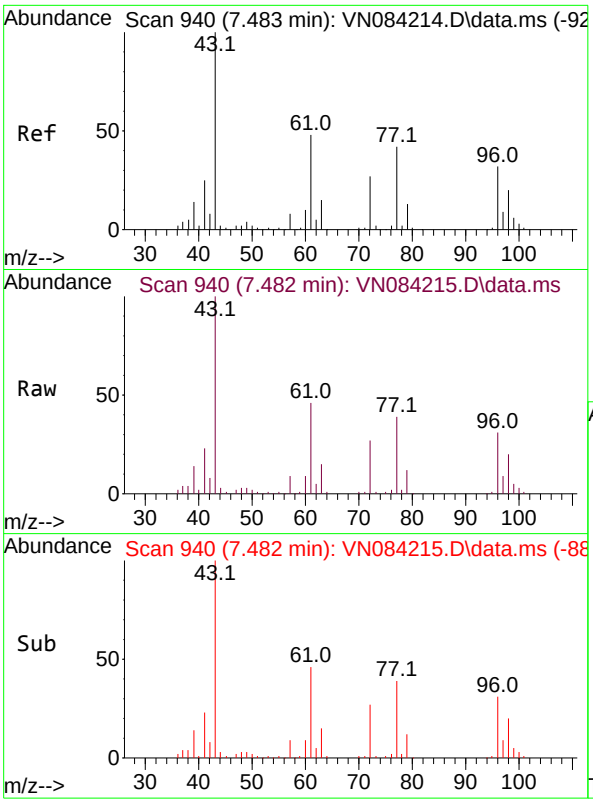


#24
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 82821

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	5.3	2.0	5.8



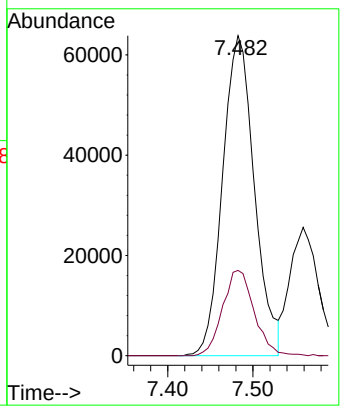


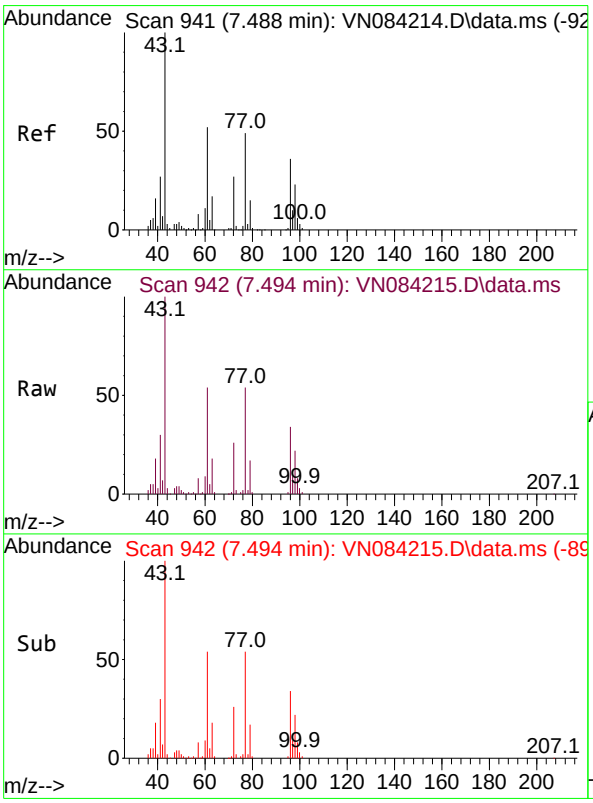
#25
2-Butanone
Concen: 107.295 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 165762

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2

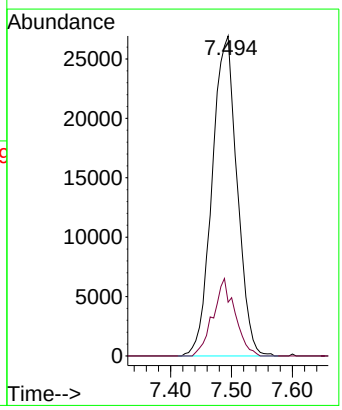


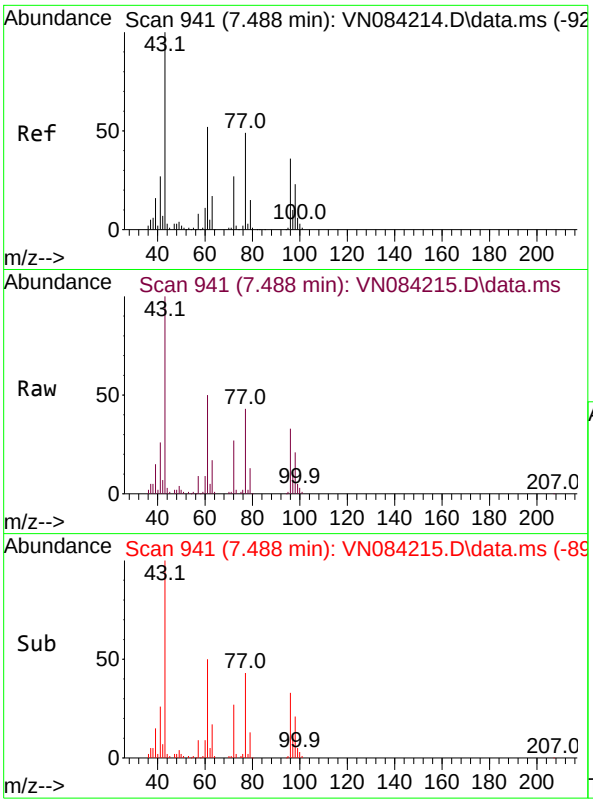


#26
2,2-Dichloropropane
Concen: 21.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 77 Resp: 76824

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3



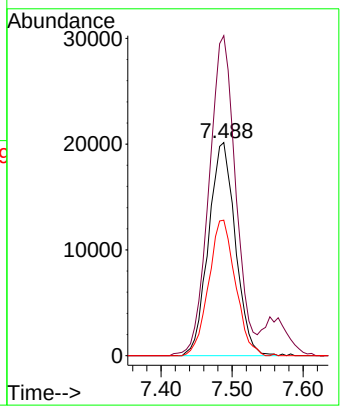


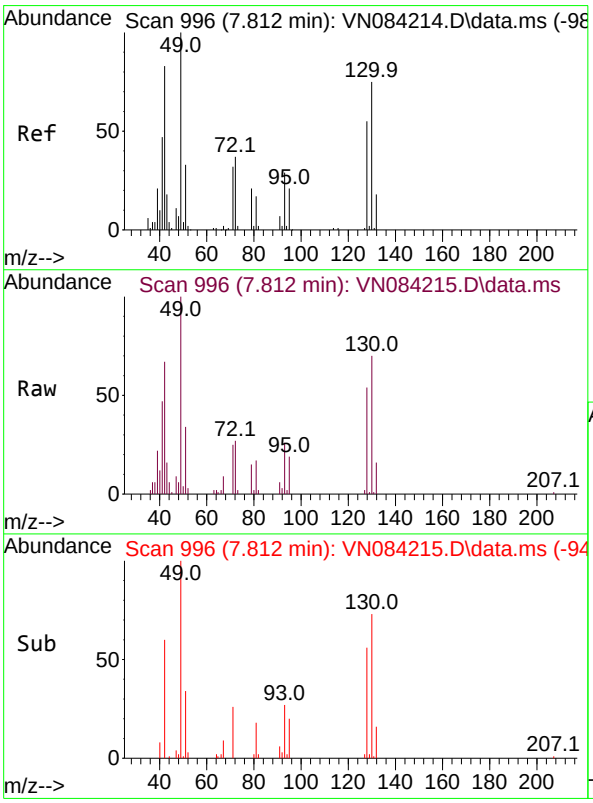
#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 52758

Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	301.8
98	63.6	0.0	128.2

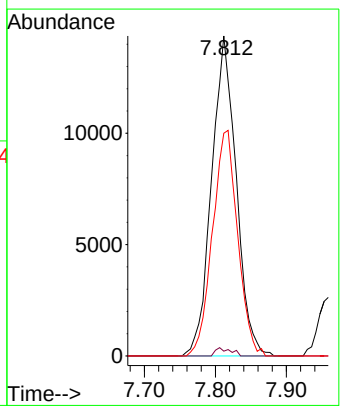


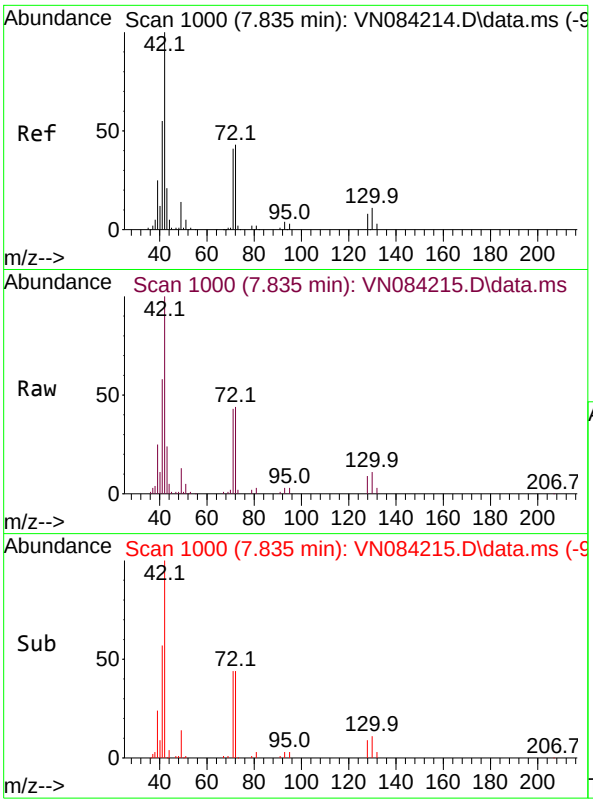


#28
Bromochloromethane
Concen: 19.246 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 49 Resp: 34591

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	71.9	58.0	87.0



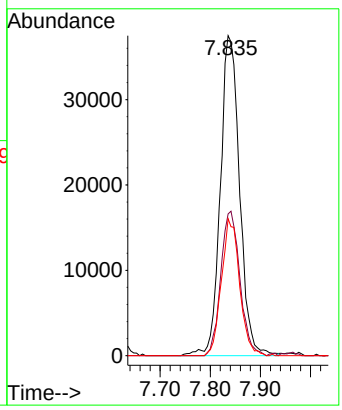


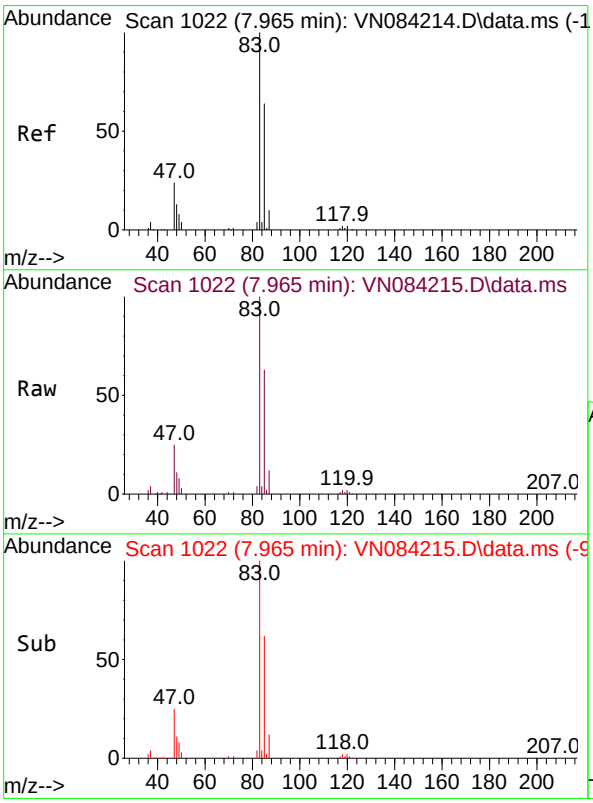
#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 100146

Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	40.3	32.2	48.4

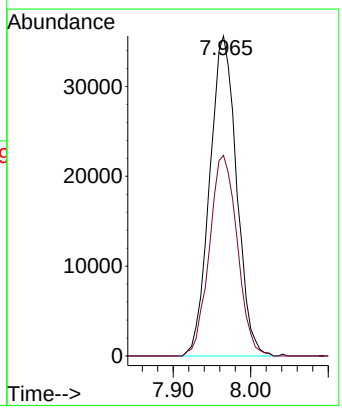


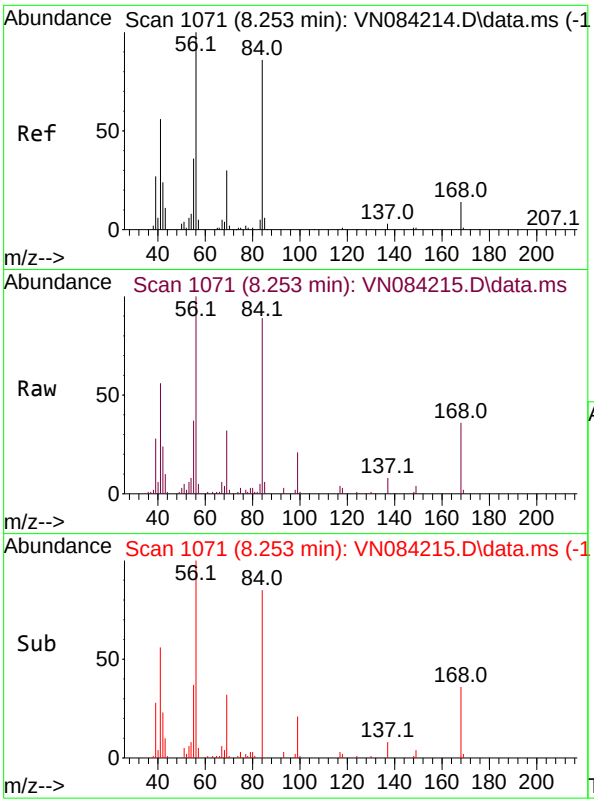


#30
Chloroform
Concen: 20.517 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 85848

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4



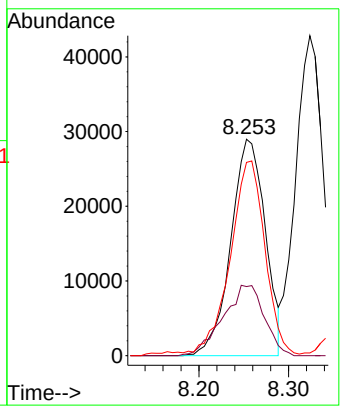


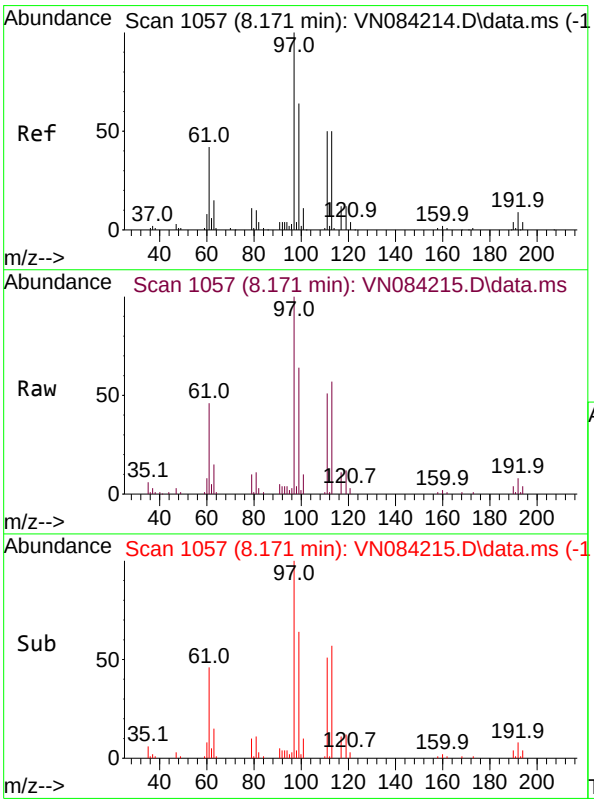
#31
Cyclohexane
Concen: 19.743 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 77216

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	87.6	68.8	103.2

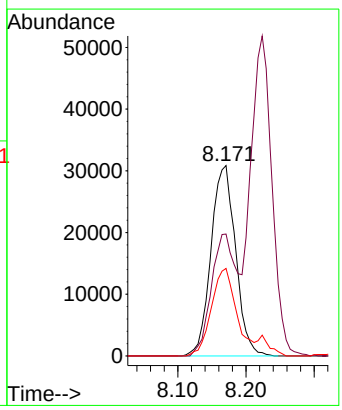


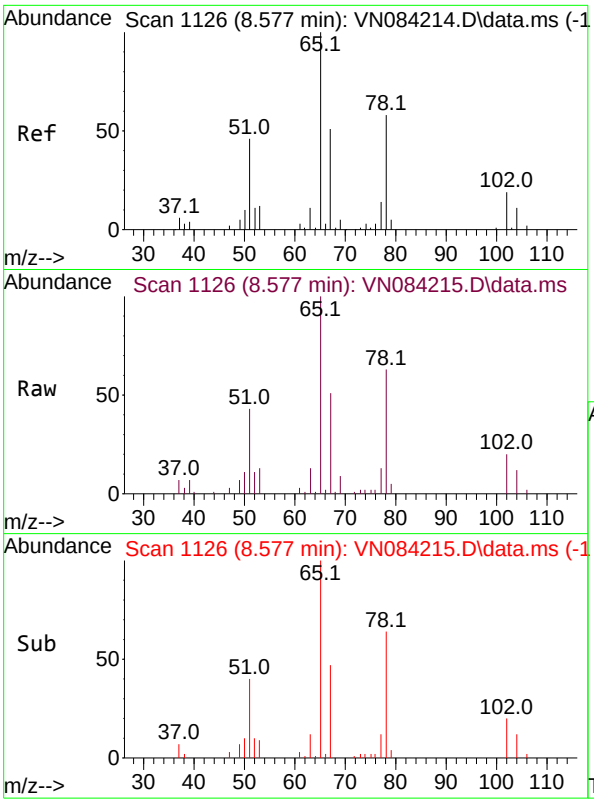


#32
1,1,1-Trichloroethane
Concen: 20.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 97 Resp: 77552

Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.2	76.8
61	46.9	37.5	56.3



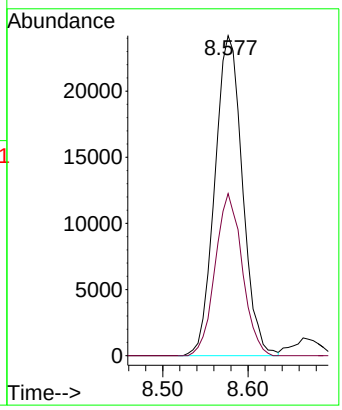


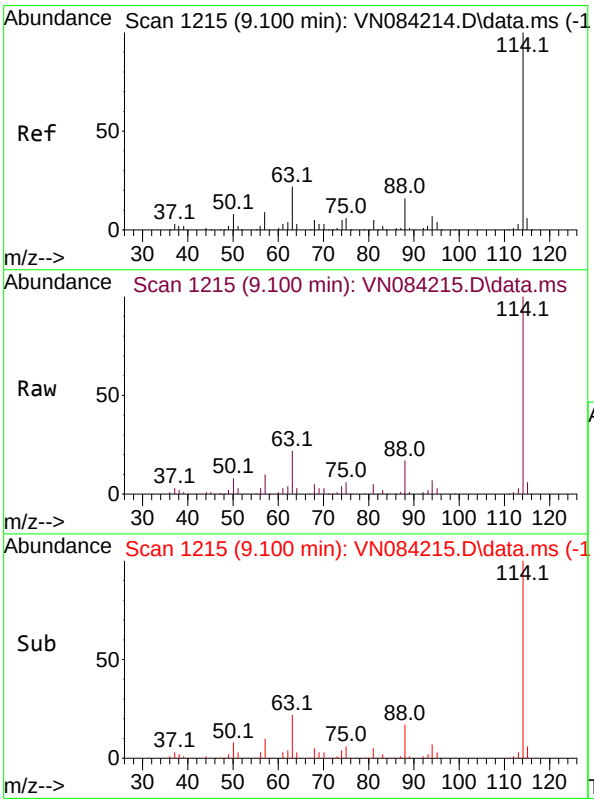
#33
1,2-Dichloroethane-d4
Concen: 20.606 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 54409

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.0

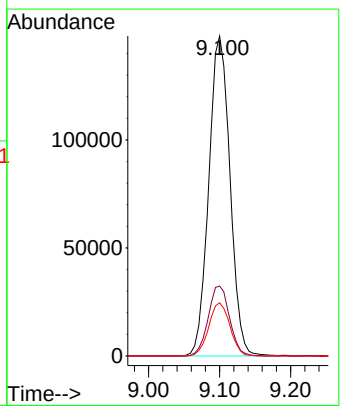


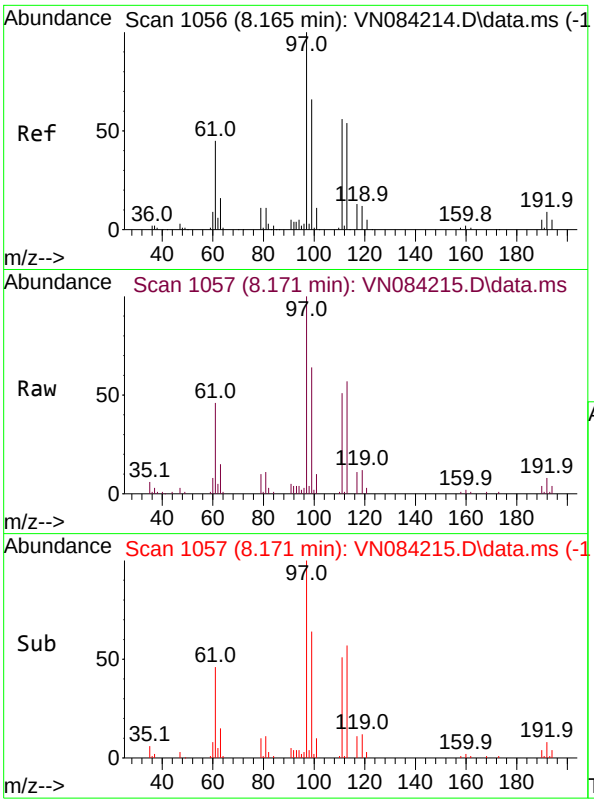


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:114 Resp: 307298

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



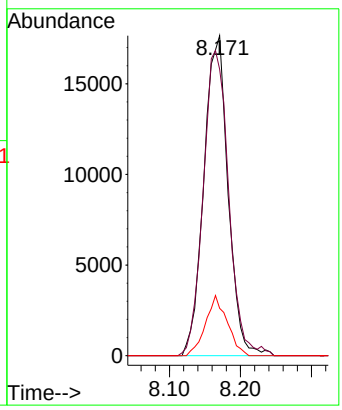


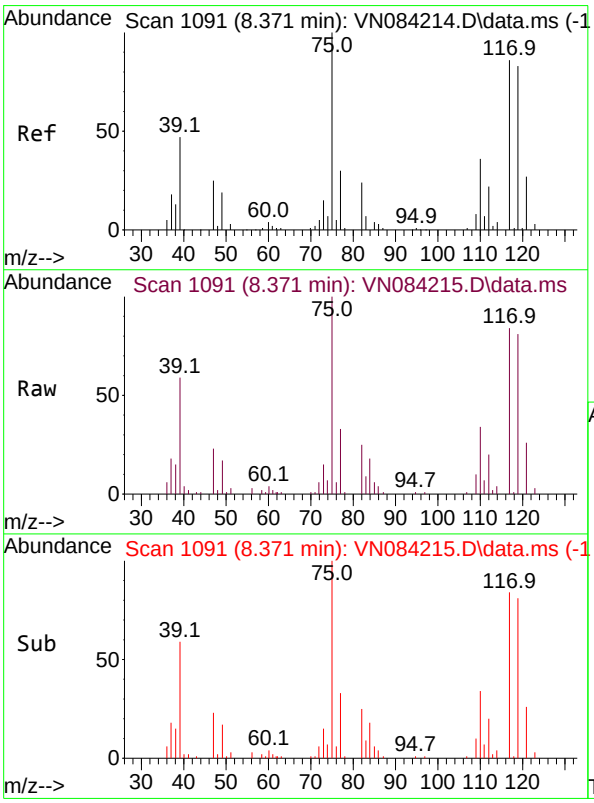
#35
Dibromofluoromethane
Concen: 20.684 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 41903

Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.3	124.9
192	16.8	13.5	20.3

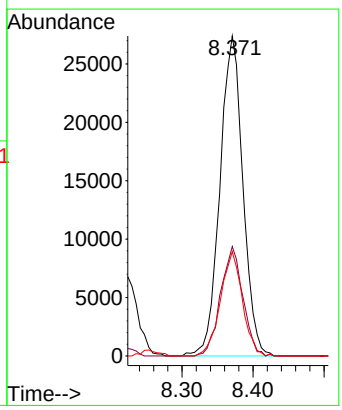


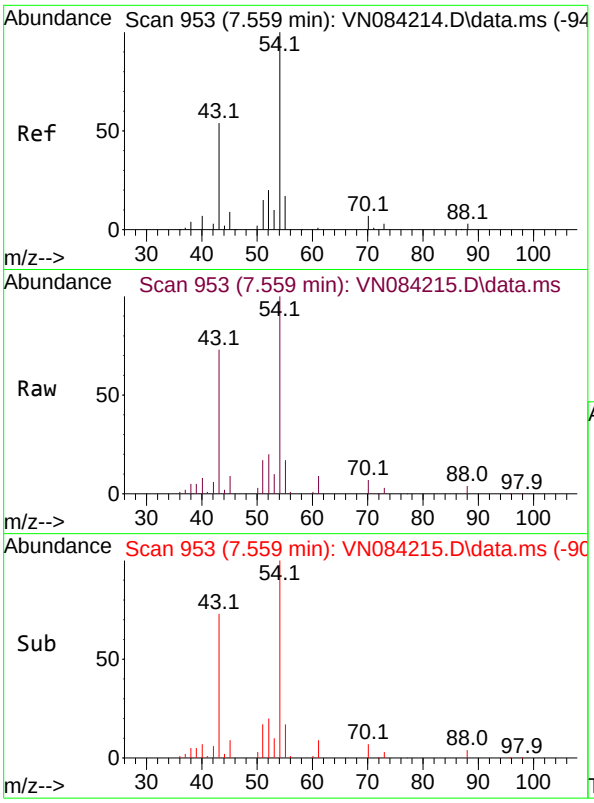


#36
1,1-Dichloropropene
Concen: 20.918 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 61556

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.7	37.1



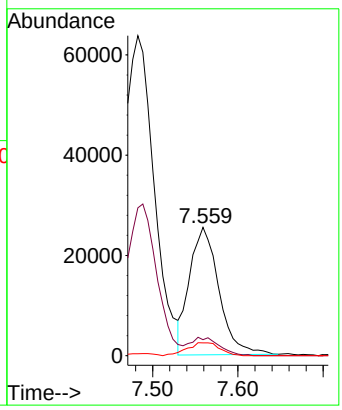


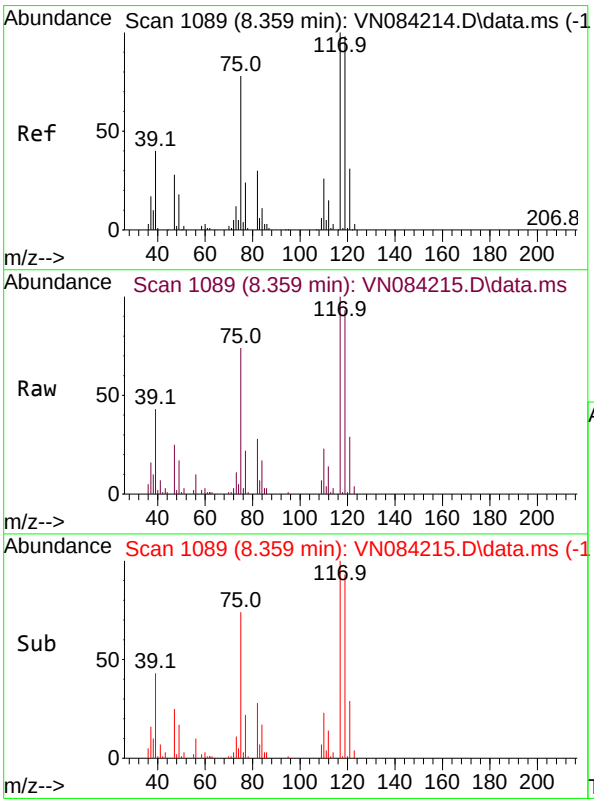
#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 61023

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.2	8.8	13.2

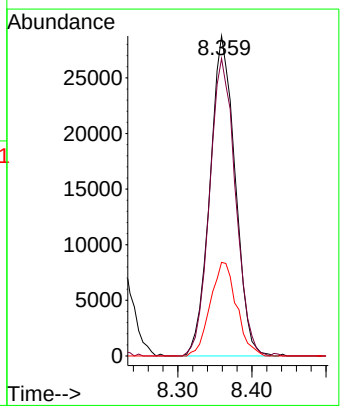


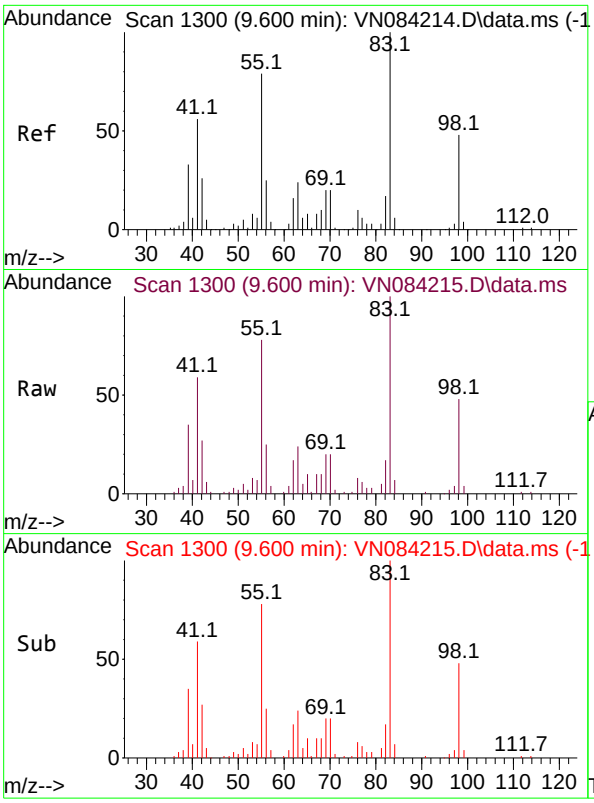


#38
Carbon Tetrachloride
Concen: 21.039 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 67913

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.7	118.1
121	29.2	24.4	36.6



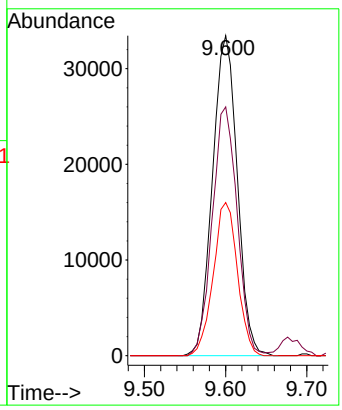


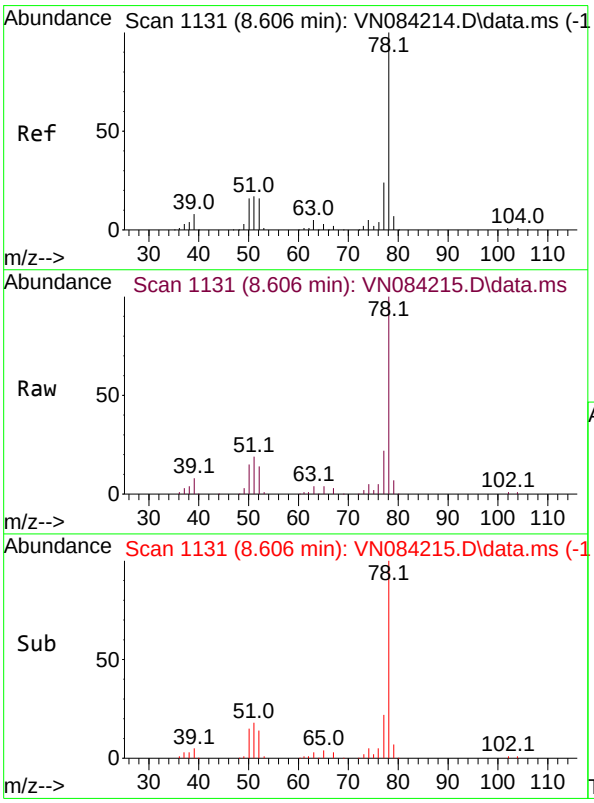
#39
Methylcyclohexane
Concen: 21.665 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 70956

Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	47.9	38.8	58.2

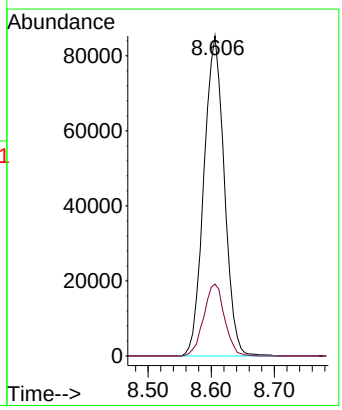


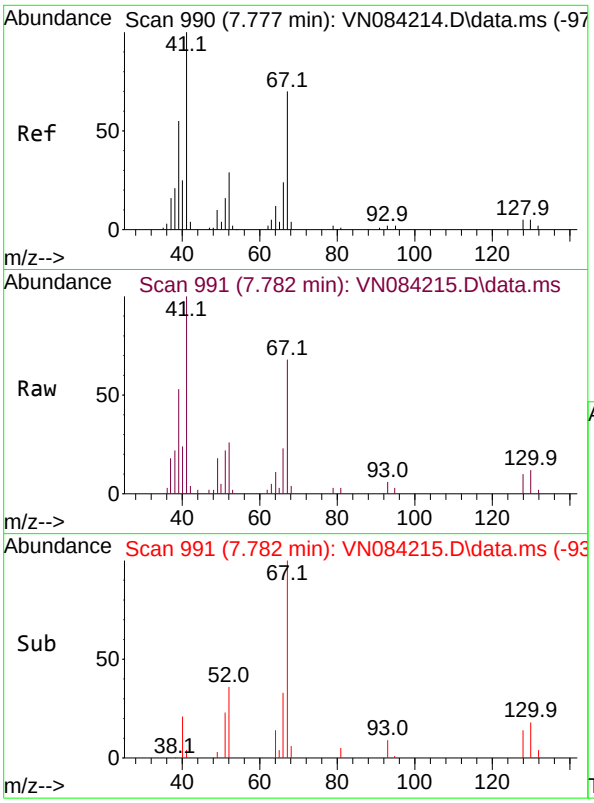


#40
Benzene
Concen: 20.896 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 78 Resp: 191581

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7



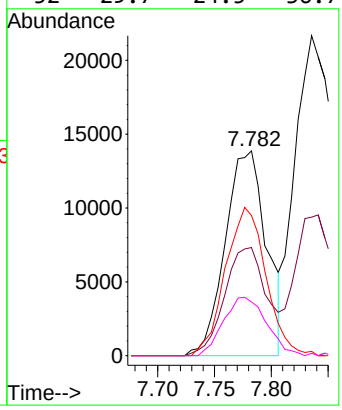


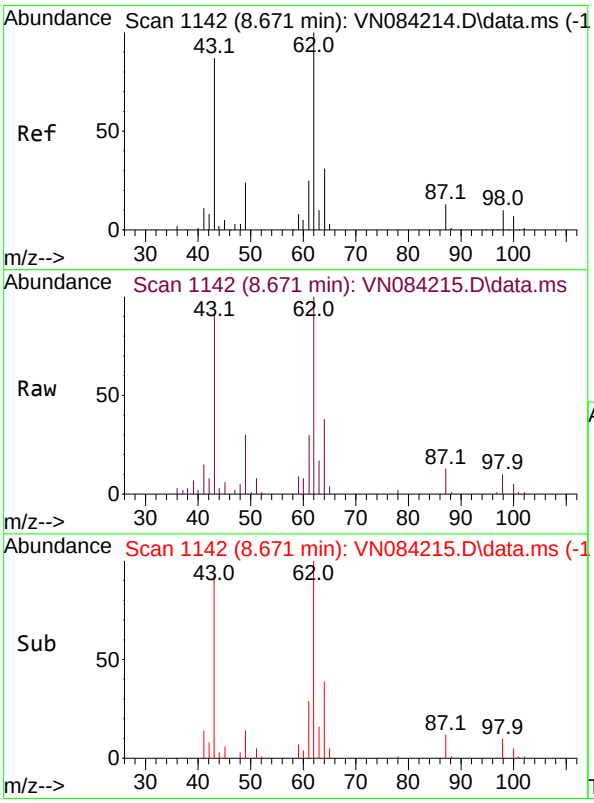
#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 34943

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.5	56.1	84.1
52	29.7	24.5	36.7

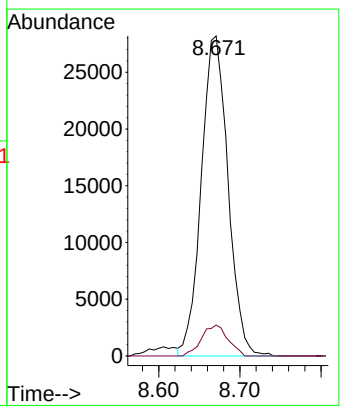


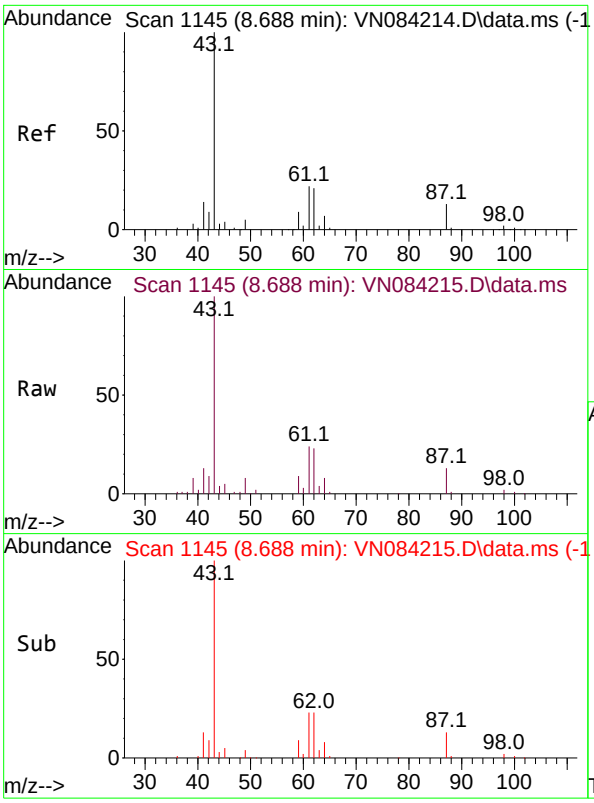


#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 64453

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



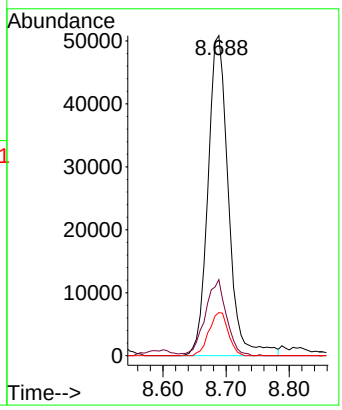


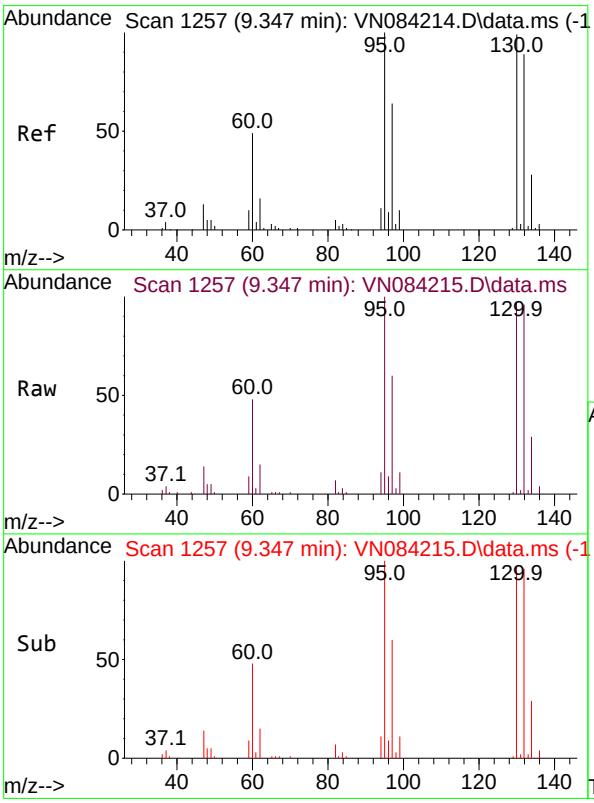
#43
Isopropyl Acetate
Concen: 19.334 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114278

Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.7	10.3	15.5

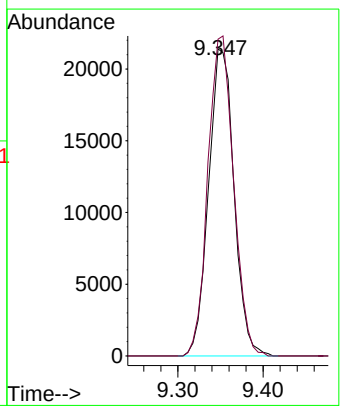


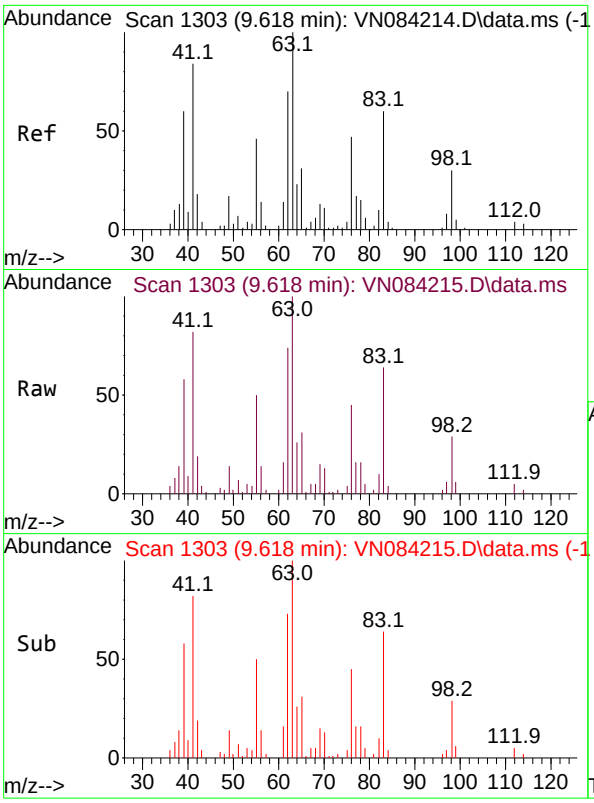


#44
Trichloroethene
Concen: 20.740 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:130 Resp: 44412

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0



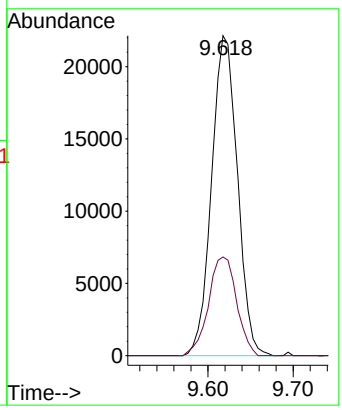


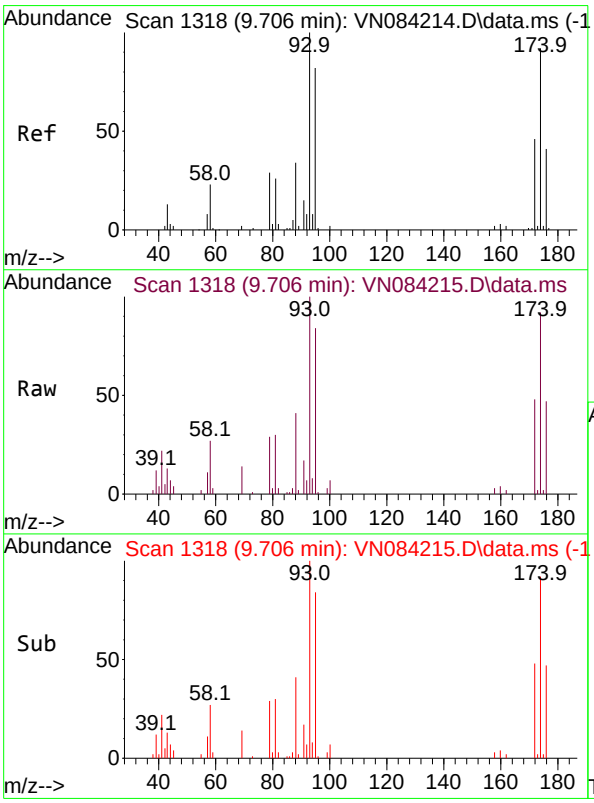
#45
1,2-Dichloropropane
Concen: 21.509 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 46651

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0

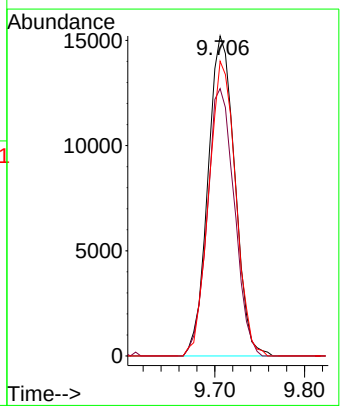


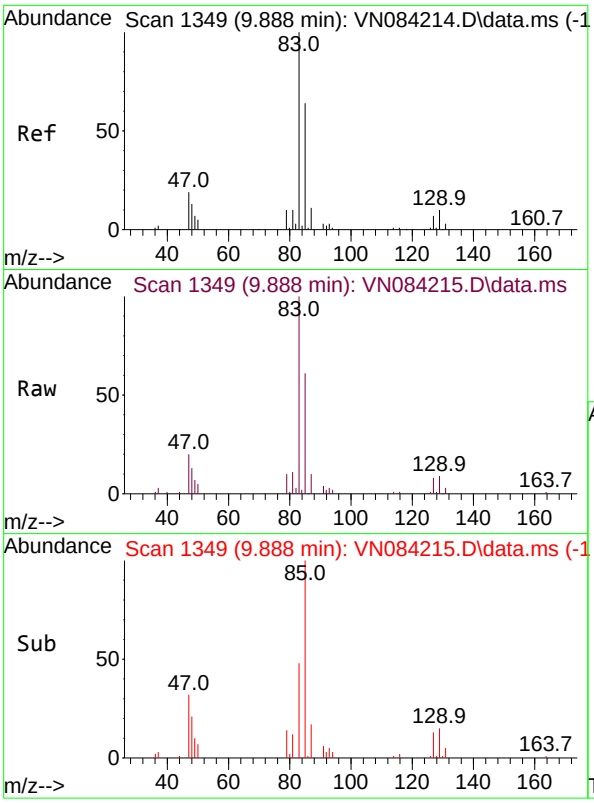


#46
Dibromomethane
Concen: 21.639 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 93 Resp: 31672

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.0	97.4
174	92.0	71.8	107.8



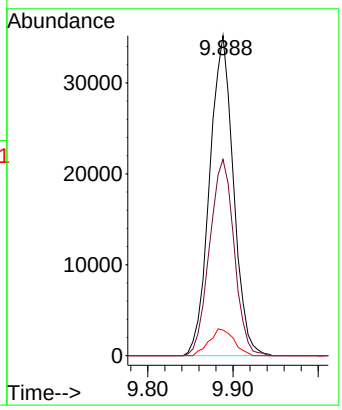


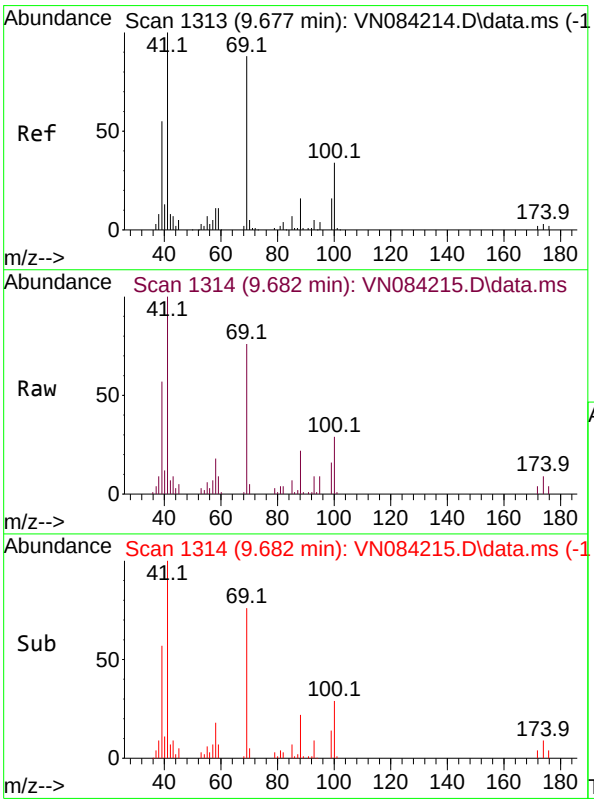
#47
Bromodichloromethane
Concen: 21.017 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68343

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	8.0	5.7	8.5

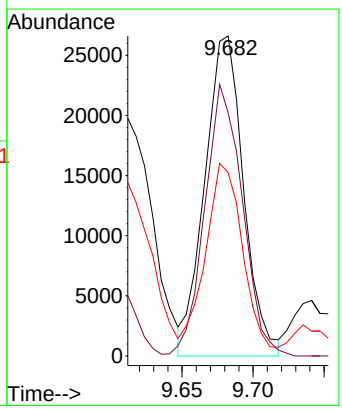


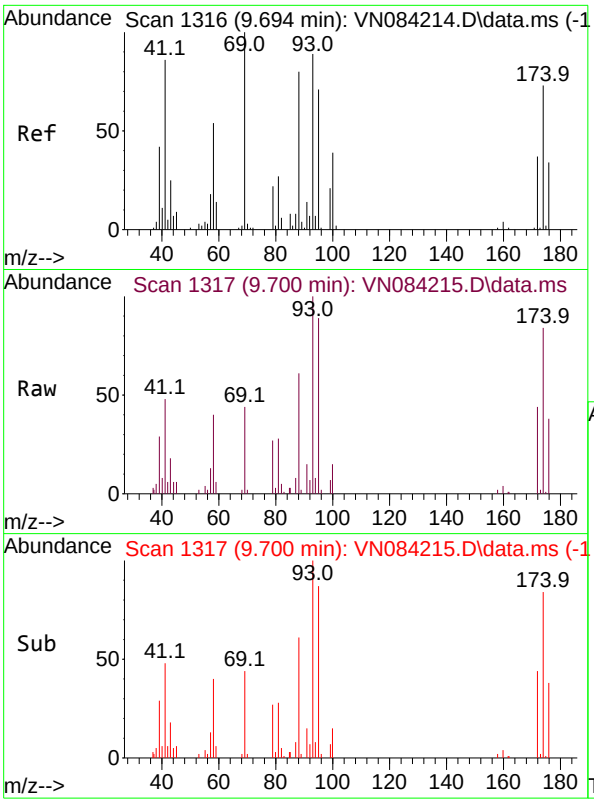


#48
Methyl methacrylate
Concen: 21.453 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 50498

Ion	Ratio	Lower	Upper
41	100		
69	82.3	67.1	100.7
39	59.0	45.8	68.6



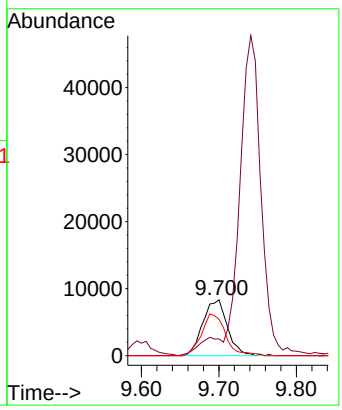


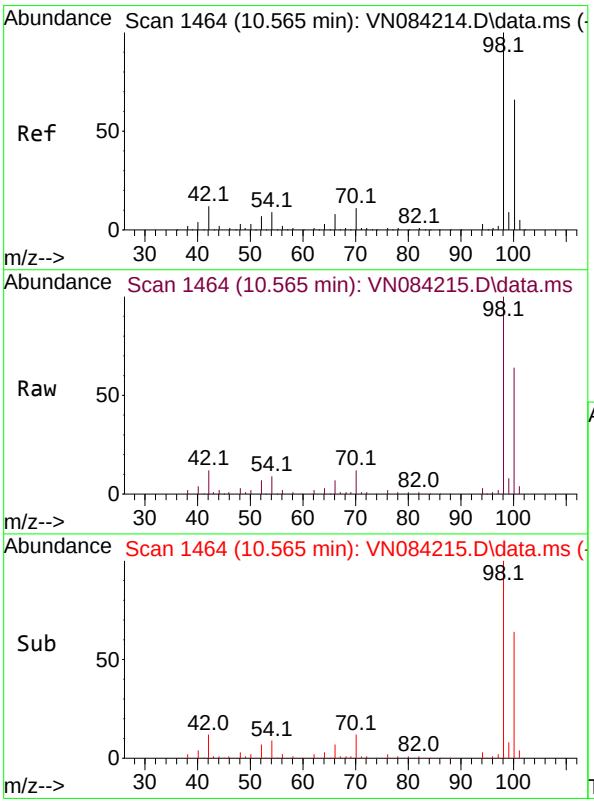
#49
1,4-Dioxane
Concen: 424.848 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 18411

Ion	Ratio	Lower	Upper
88	100		
43	22.7	25.3	37.9#
58	72.9	56.4	84.6

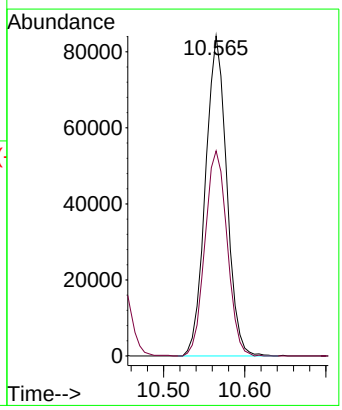


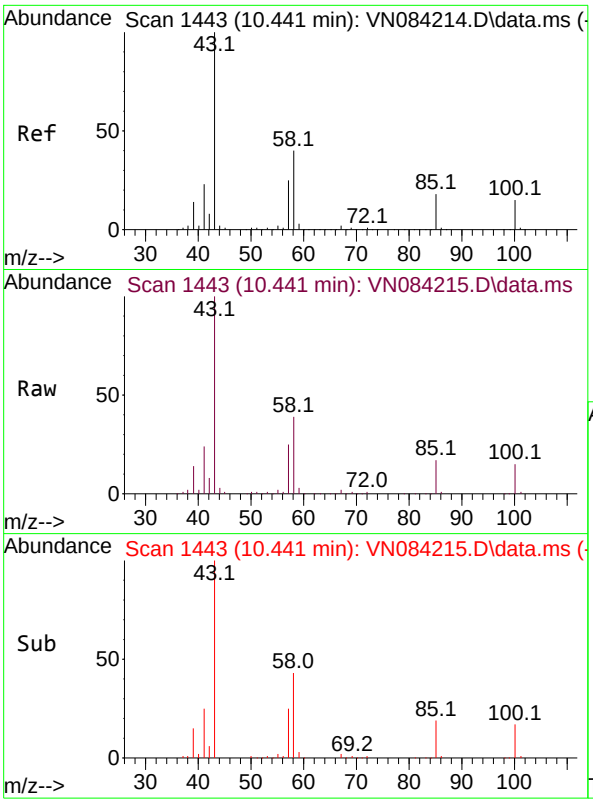


#50
Toluene-d8
Concen: 20.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 98 Resp: 152668

Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.7	79.1



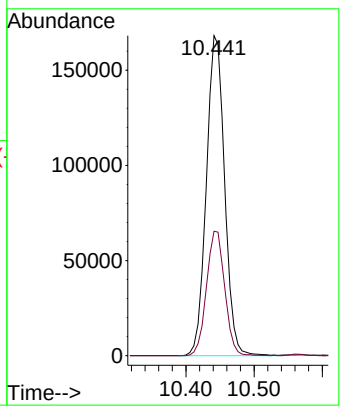


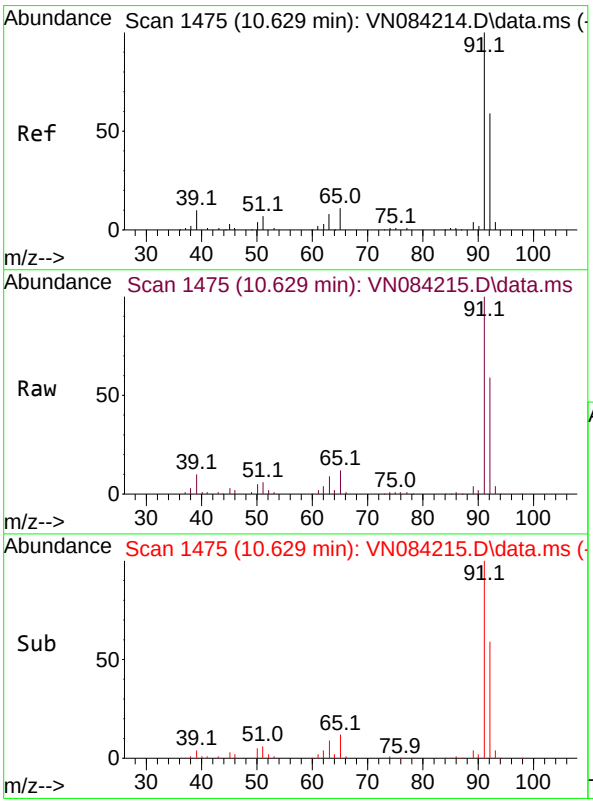
#51
4-Methyl-2-Pentanone
Concen: 109.132 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 313636

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

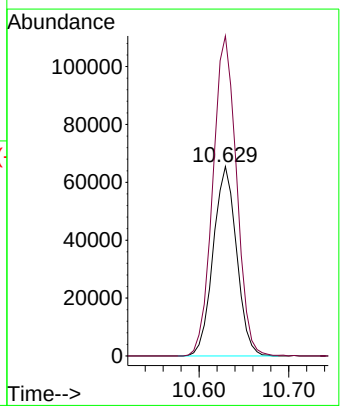


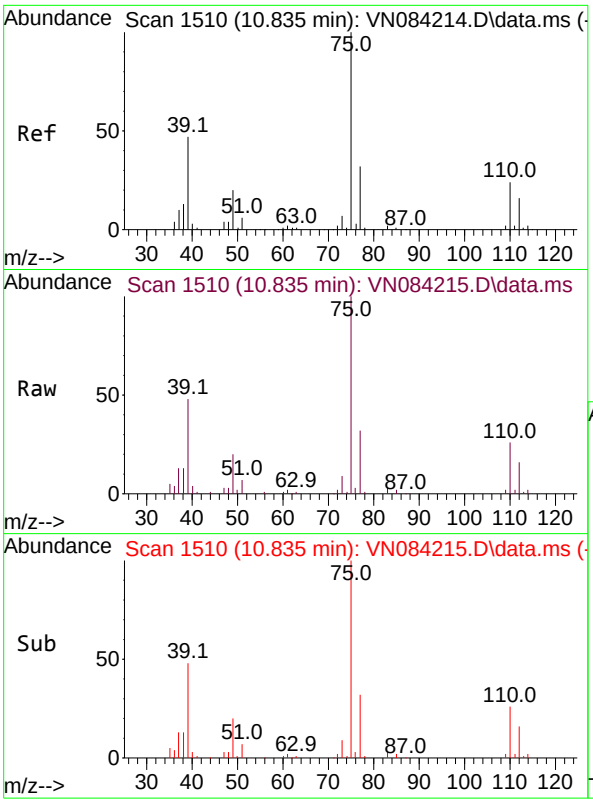


#52
Toluene
Concen: 21.179 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 92 Resp: 118412

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



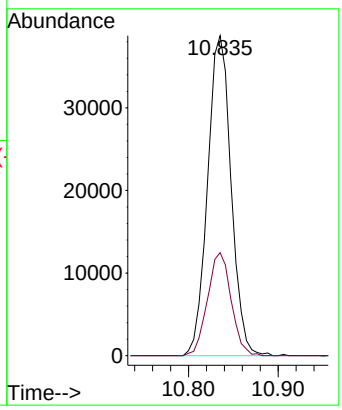


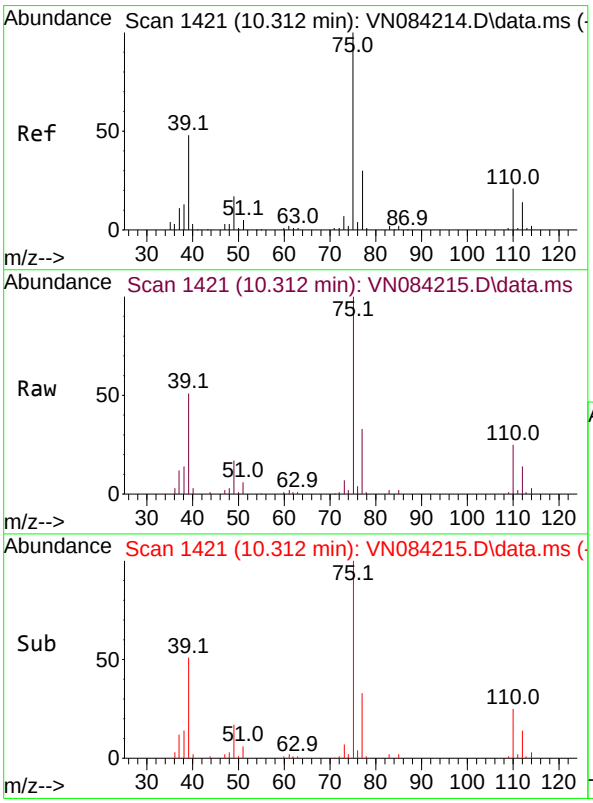
#53
t-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 70403

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

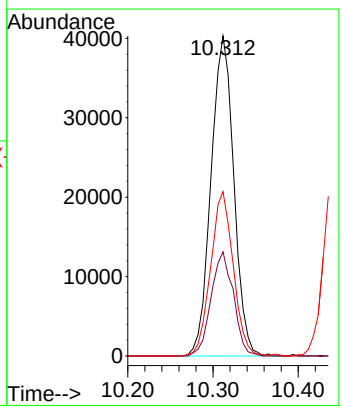


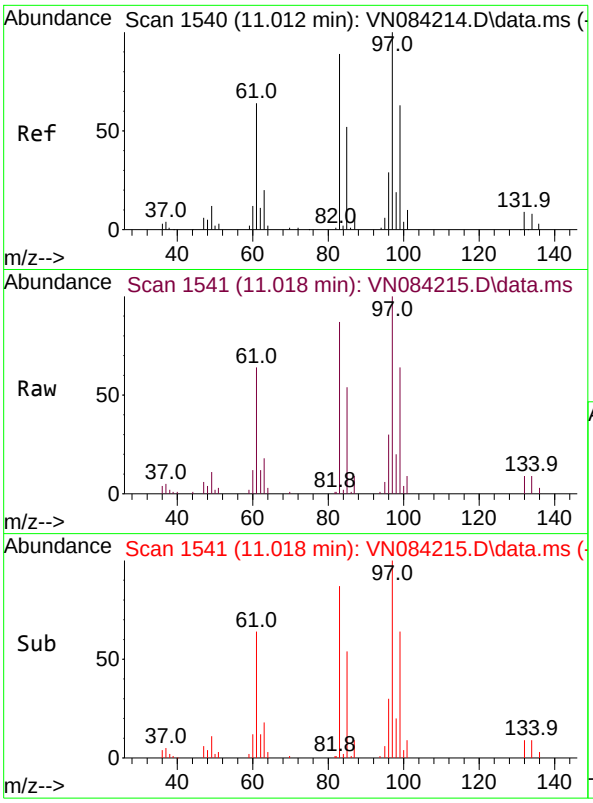


#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 74778

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	51.4	38.7	58.1



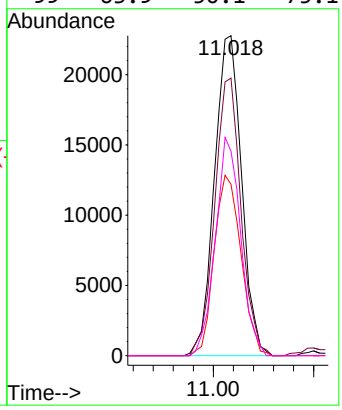


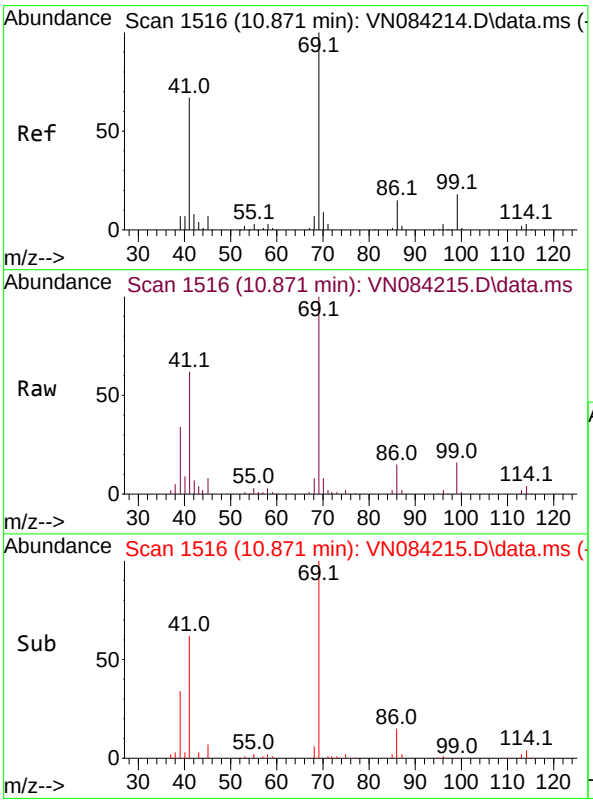
#55
1,1,2-Trichloroethane
Concen: 21.270 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 42631

Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.0	106.4
85	53.6	41.7	62.5
99	63.9	50.1	75.1

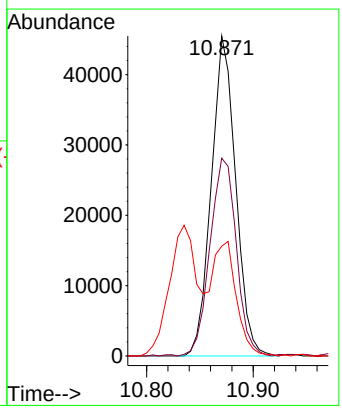


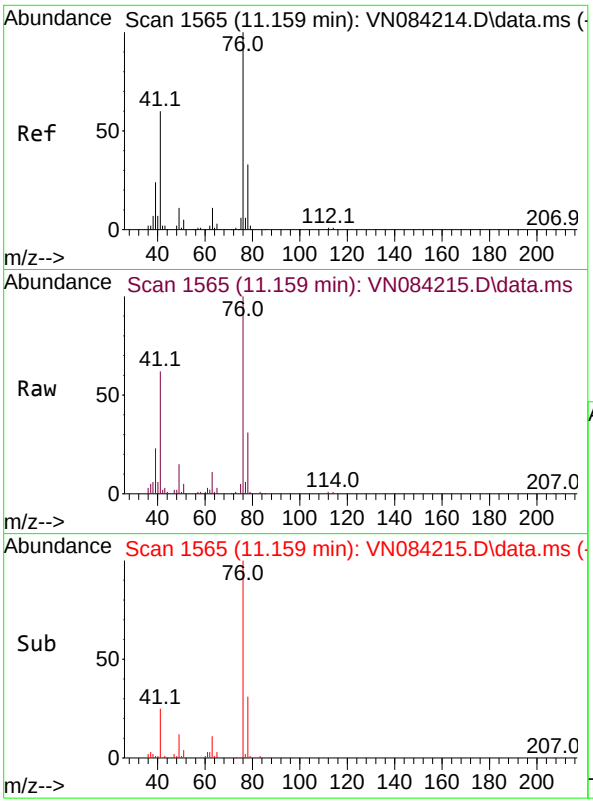


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 69 Resp: 72159

Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.3	79.9
39	36.6	28.8	43.2



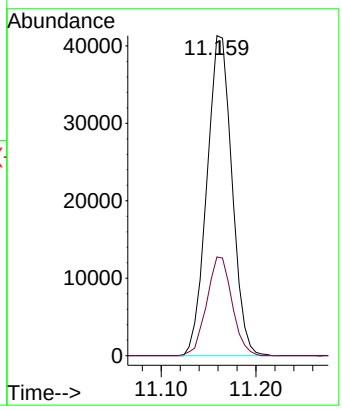


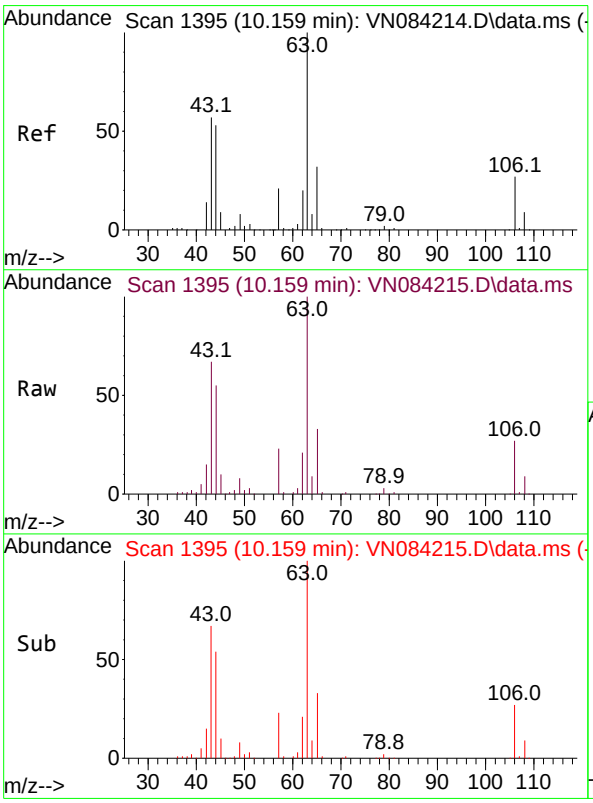
#57
1,3-Dichloropropane
Concen: 21.197 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 75915

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6

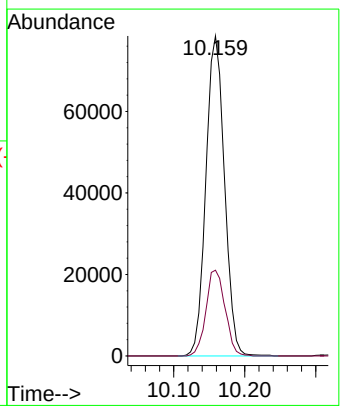


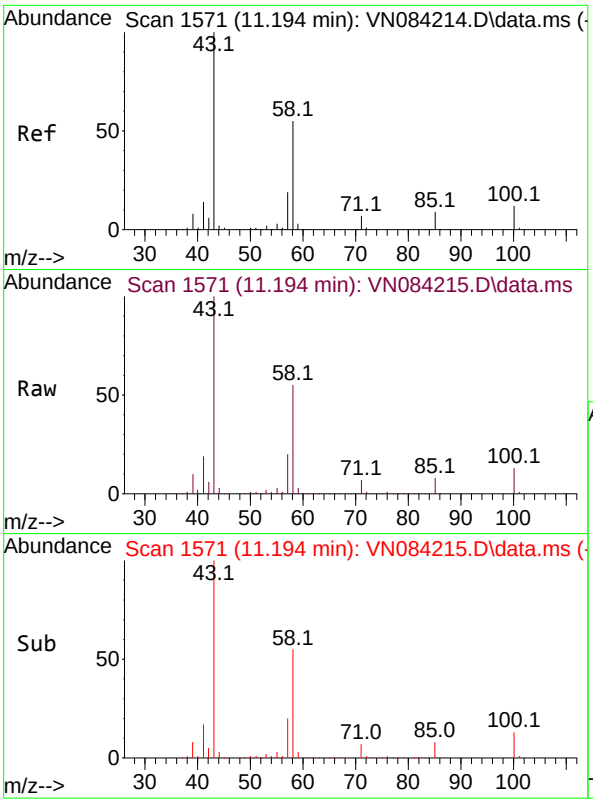


#58
2-Chloroethyl Vinyl ether
Concen: 93.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 142843

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6



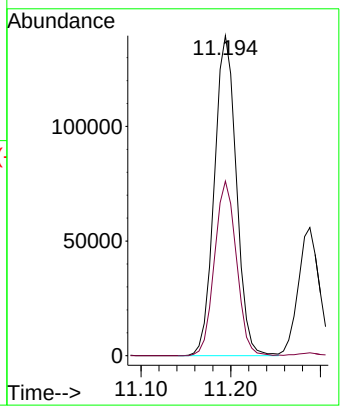


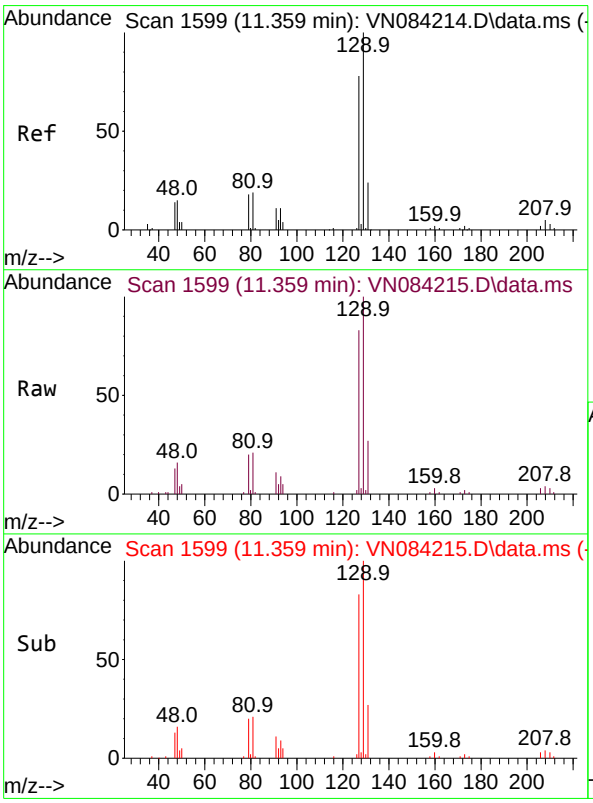
#59
2-Hexanone
Concen: 110.658 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 237694

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

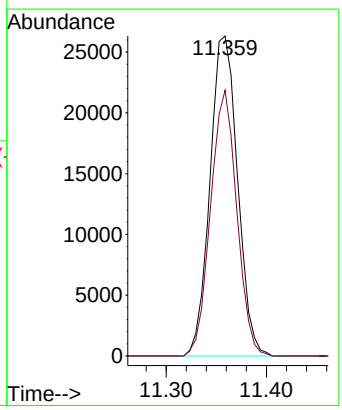


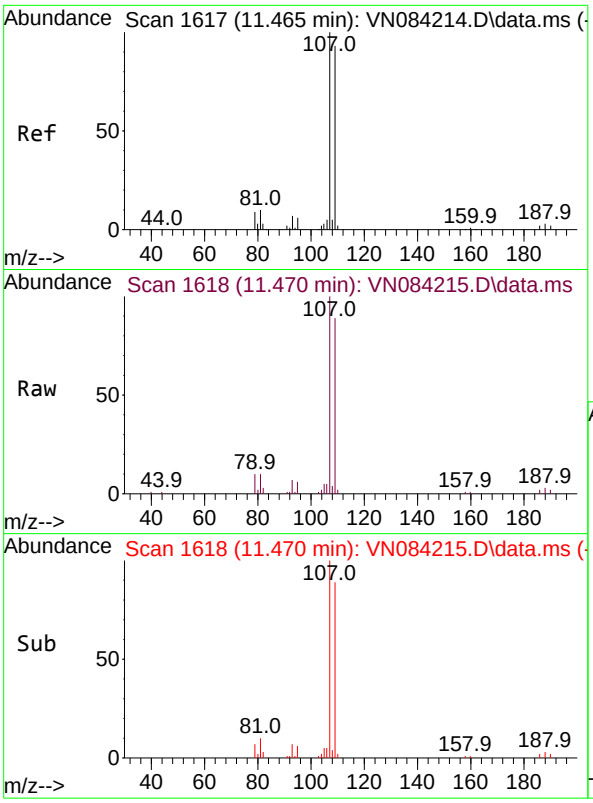


#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:129 Resp: 50326

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.9



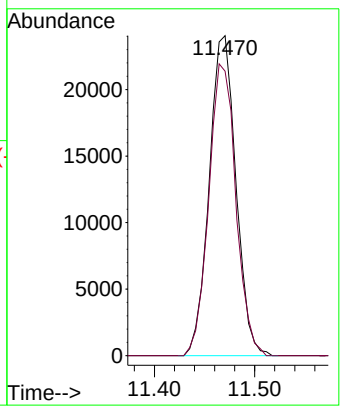


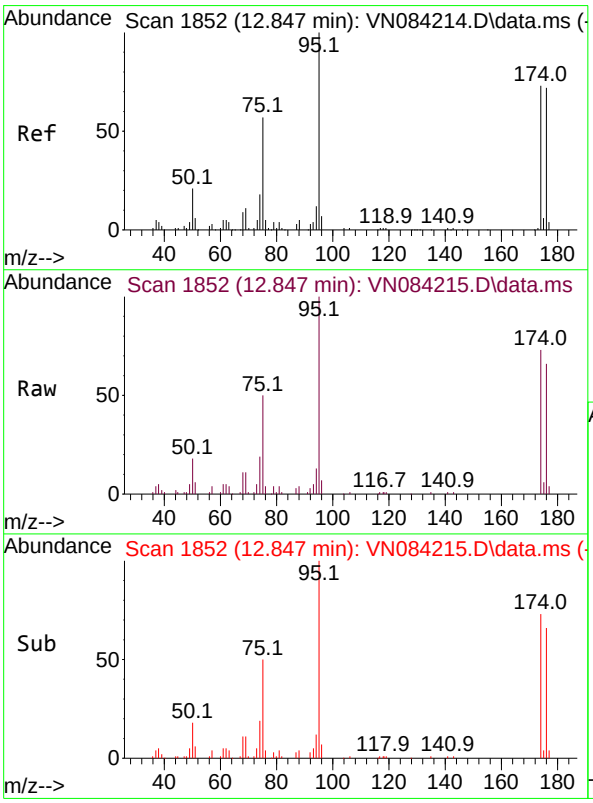
#61
1,2-Dibromoethane
Concen: 21.393 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 44554

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

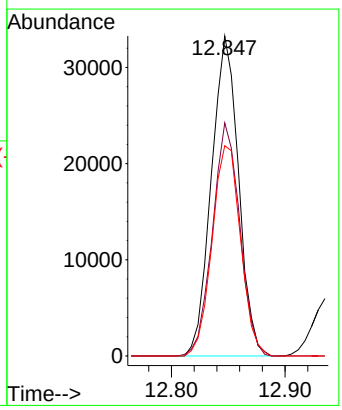


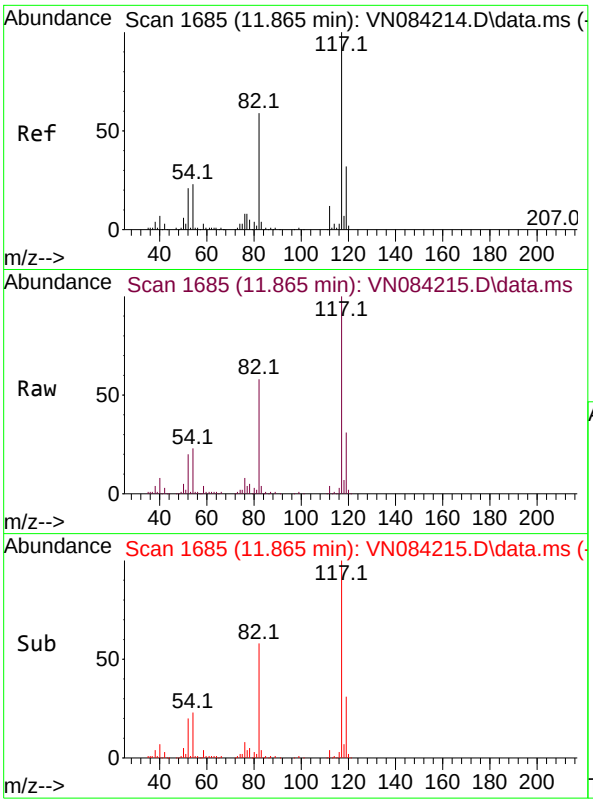


#62
4-Bromofluorobenzene
Concen: 20.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 95 Resp: 55201

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	68.9	0.0	140.0



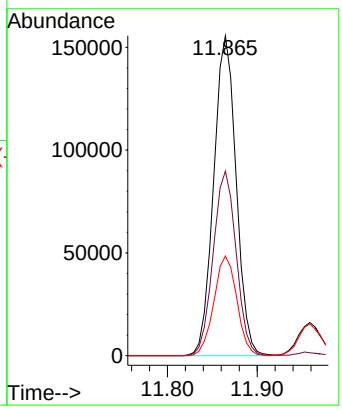


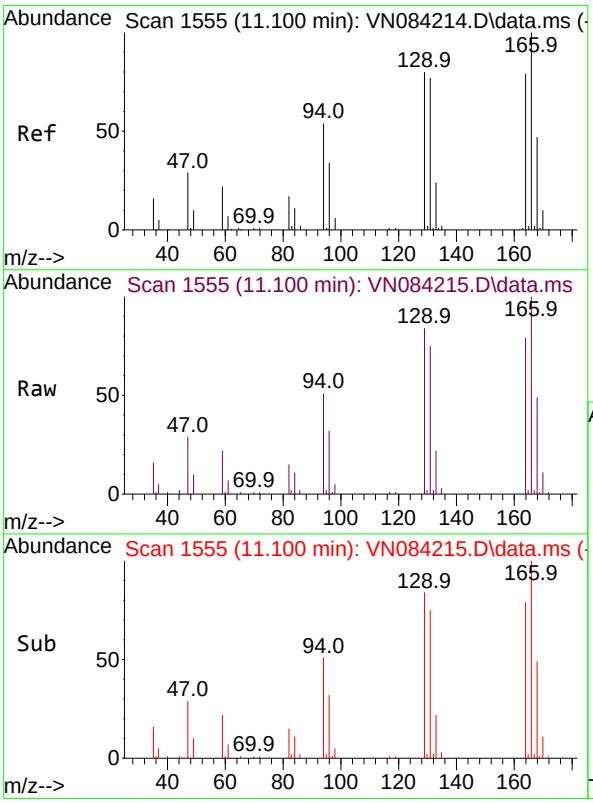
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 270754

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.2	25.4	38.0

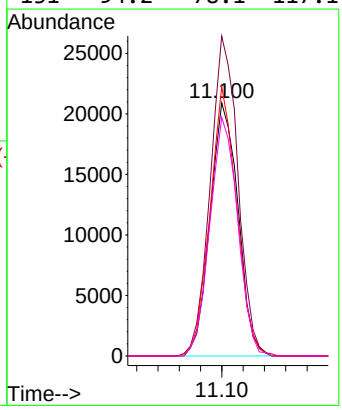


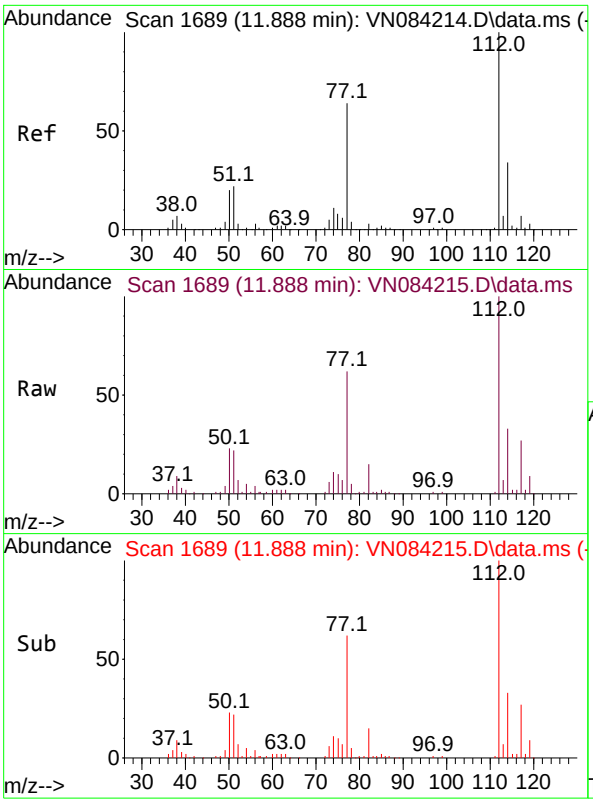


#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:164 Resp: 38055

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.0	151.4
129	106.4	80.8	121.2
131	94.2	78.1	117.1



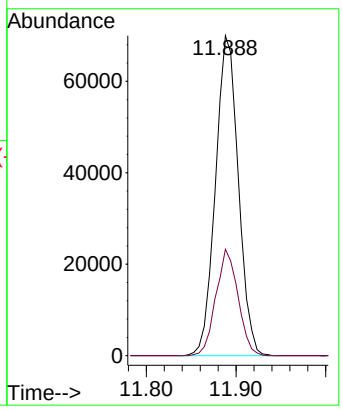


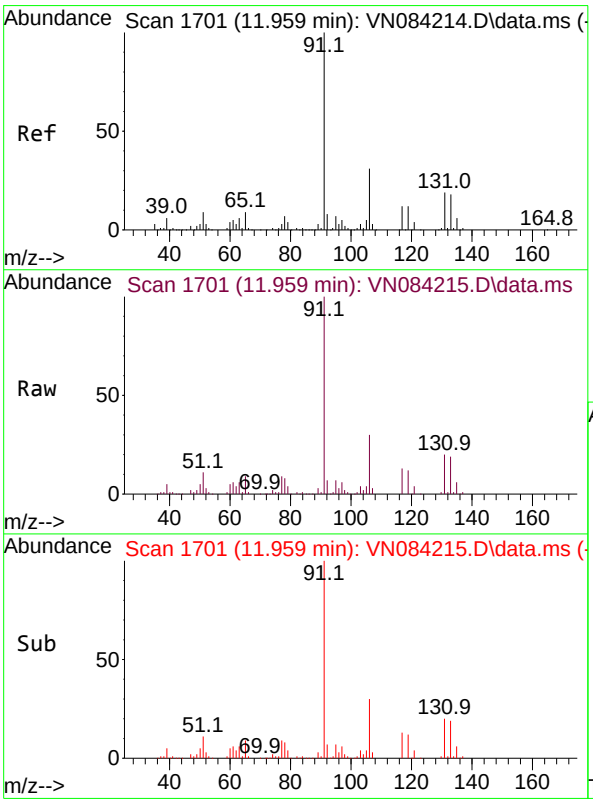
#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 123787

Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.0	40.6

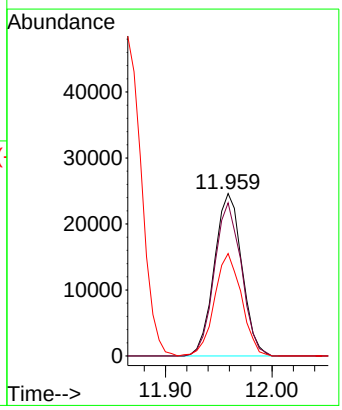


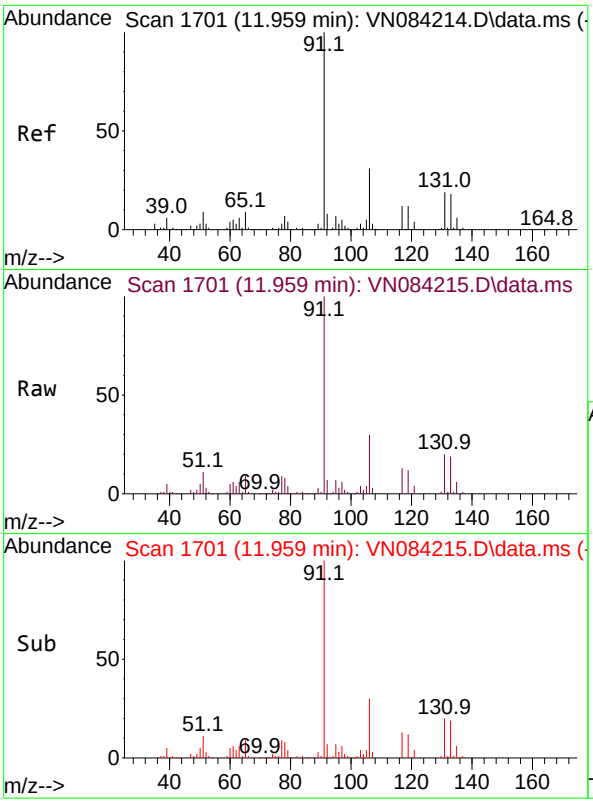


#66
1,1,1,2-Tetrachloroethane
Concen: 21.417 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:131 Resp: 44285

Ion	Ratio	Lower	Upper
131	100		
133	92.4	47.9	143.7
119	62.0	32.8	98.3



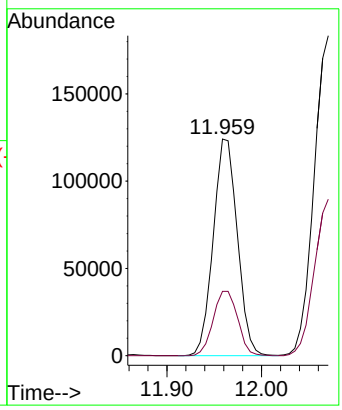


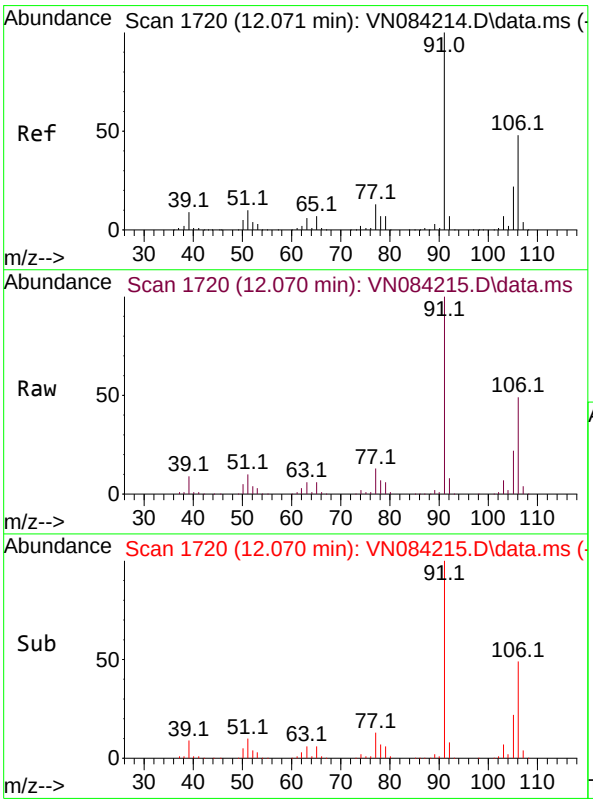
#67
Ethyl Benzene
Concen: 20.688 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 219635

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

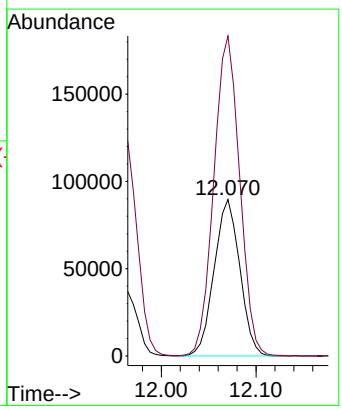


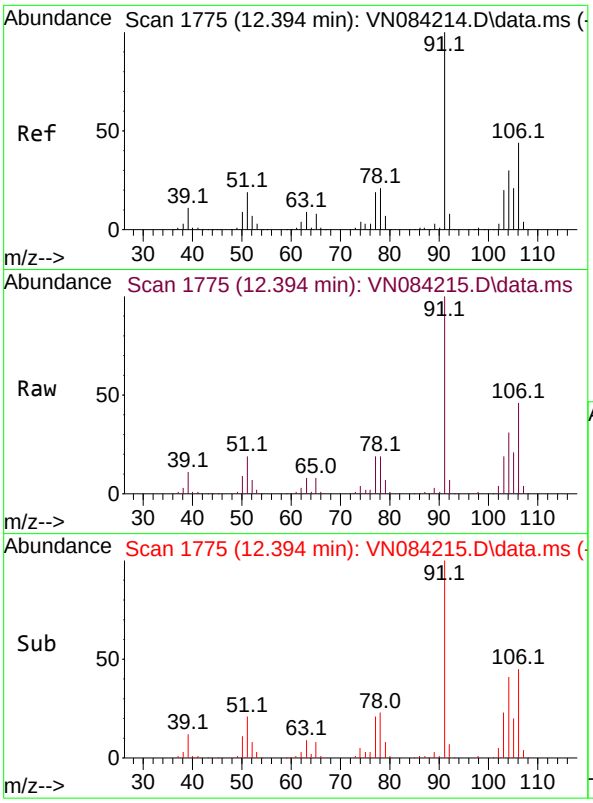


#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 168826

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.1	250.7



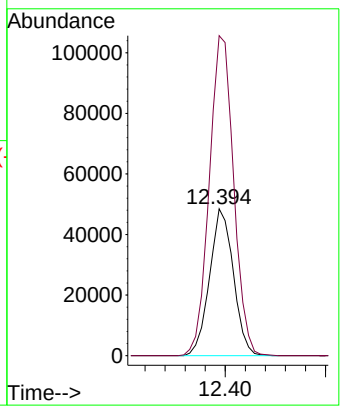


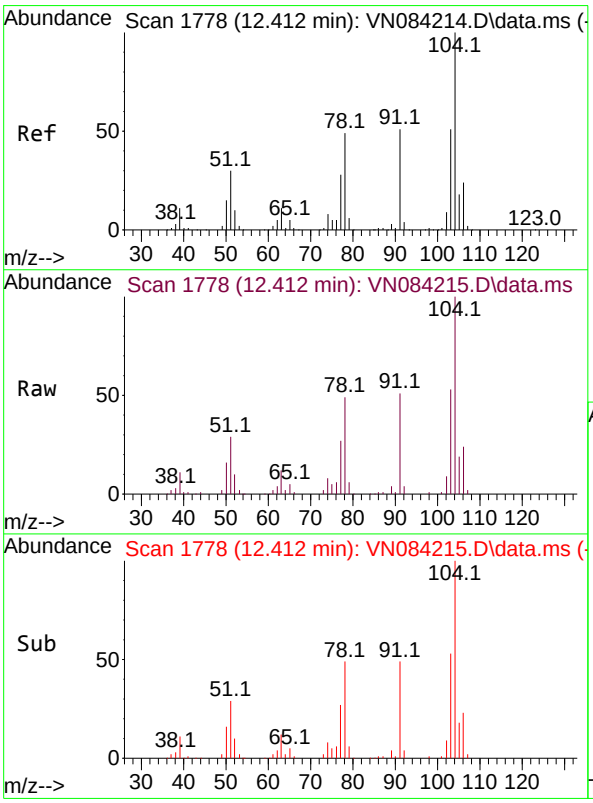
#69
o-Xylene
Concen: 21.503 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 79896

Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6

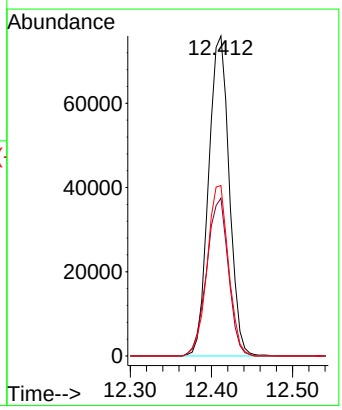


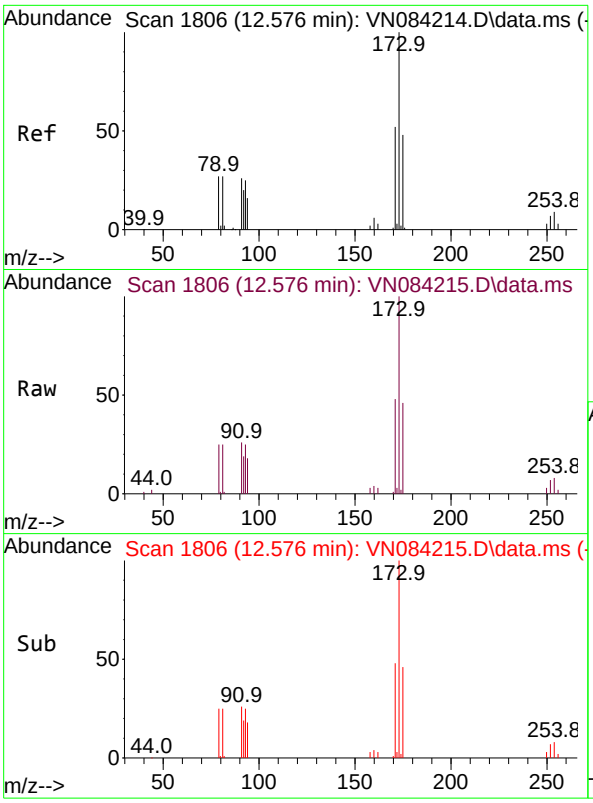


#70
Styrene
Concen: 21.302 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:104 Resp: 134066

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	55.2	43.6	65.4



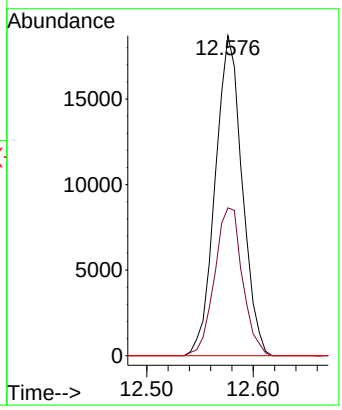


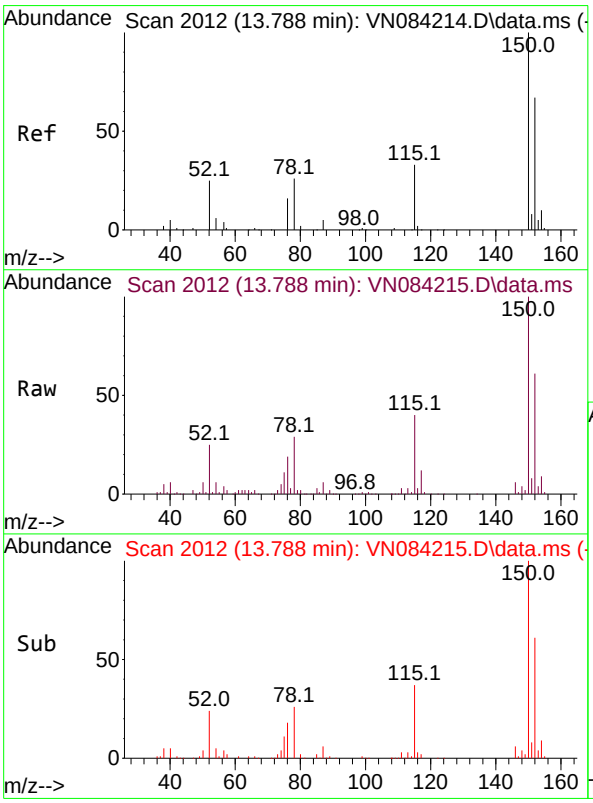
#71
Bromoform
Concen: 21.561 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 32824

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0

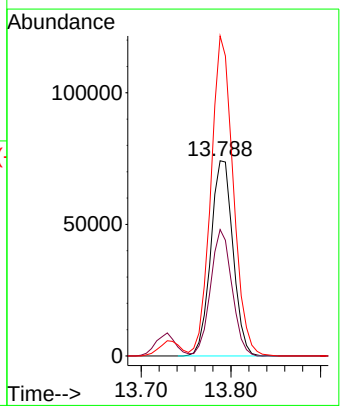


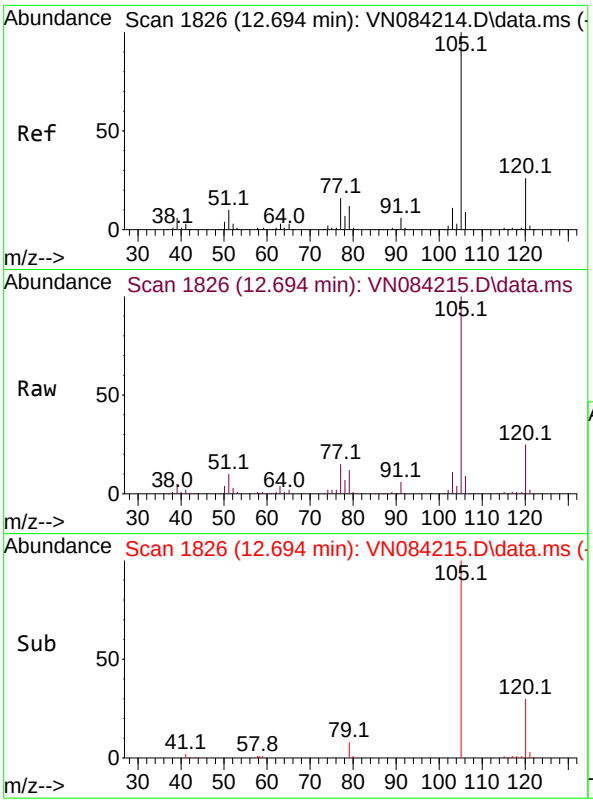


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:152 Resp: 127763

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	164.5	0.0	349.8



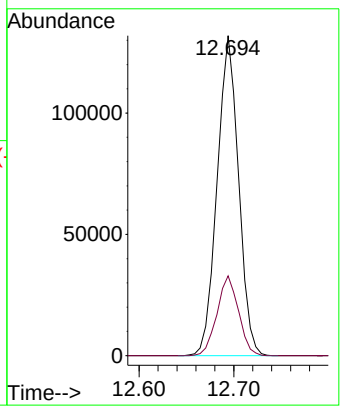


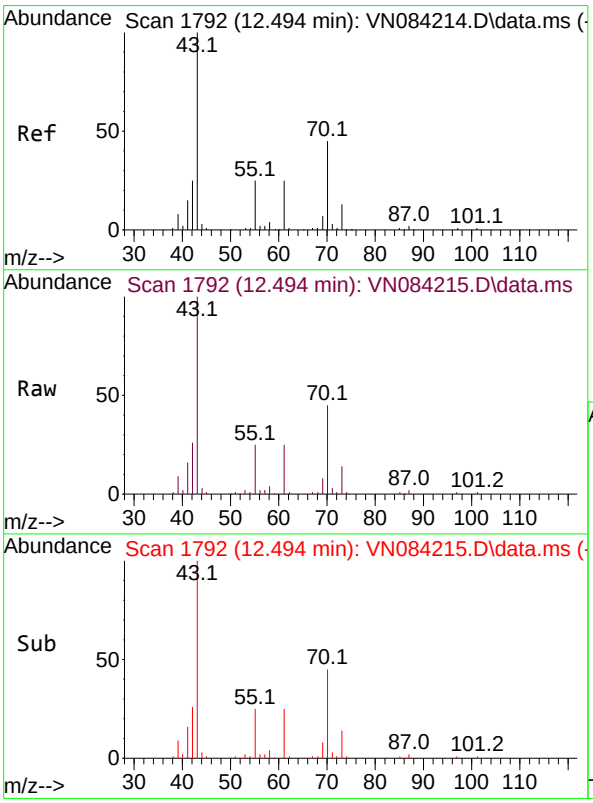
#73
Isopropylbenzene
Concen: 21.254 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 207217

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7

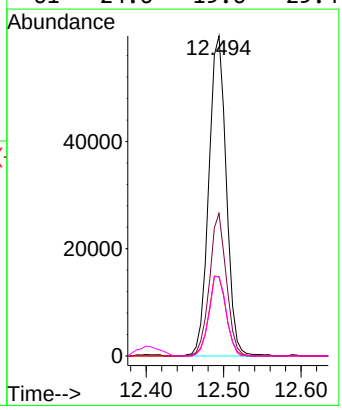


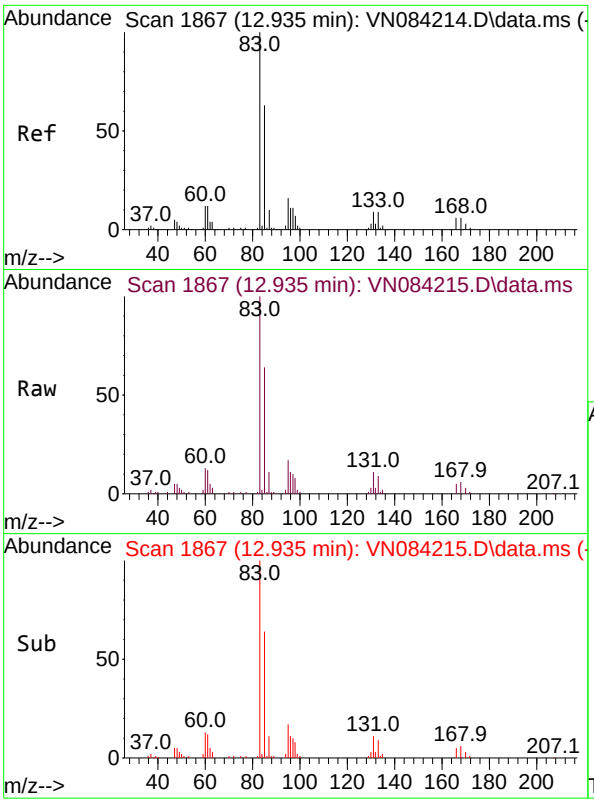


#74
N-amyl acetate
Concen: 21.154 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 93392

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	25.0	19.6	29.4
61	24.6	19.6	29.4



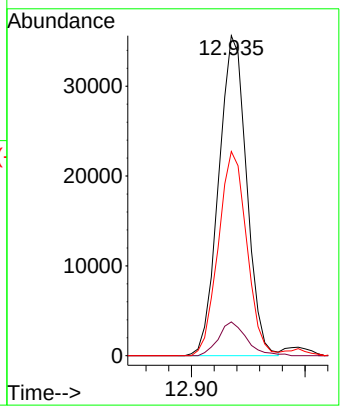


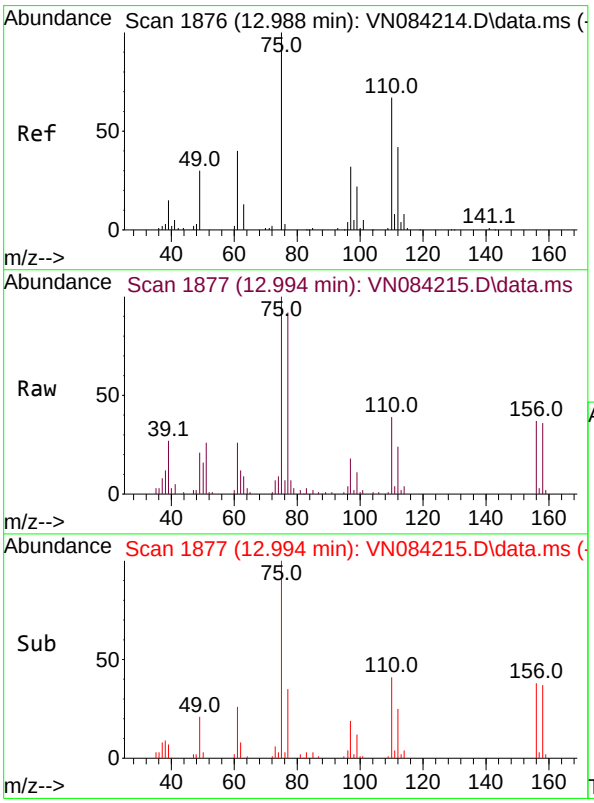
#75
1,1,2,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 60656

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	65.1	31.9	95.7

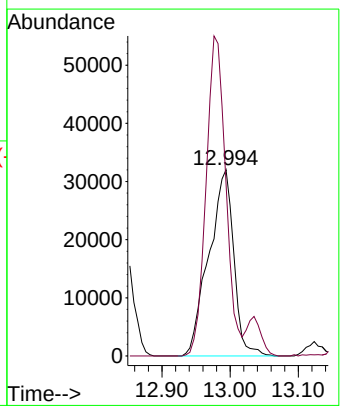


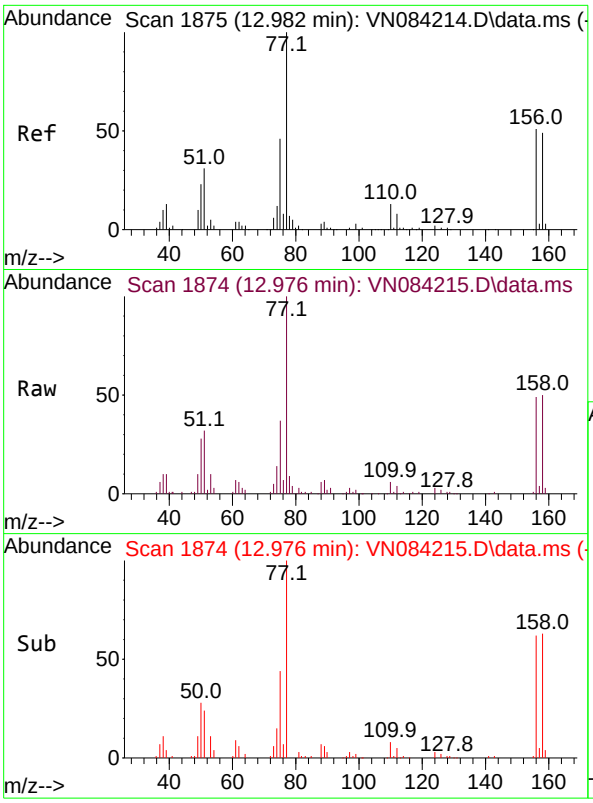


#76
1,2,3-Trichloropropane
Concen: 31.983 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 81444

Ion	Ratio	Lower	Upper
75	100		
77	136.1	96.9	290.7



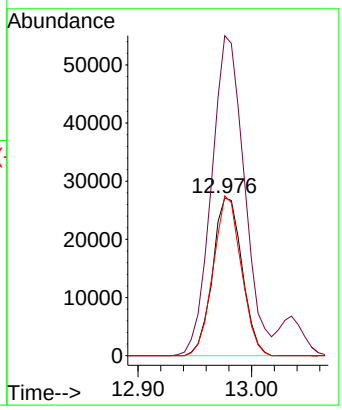


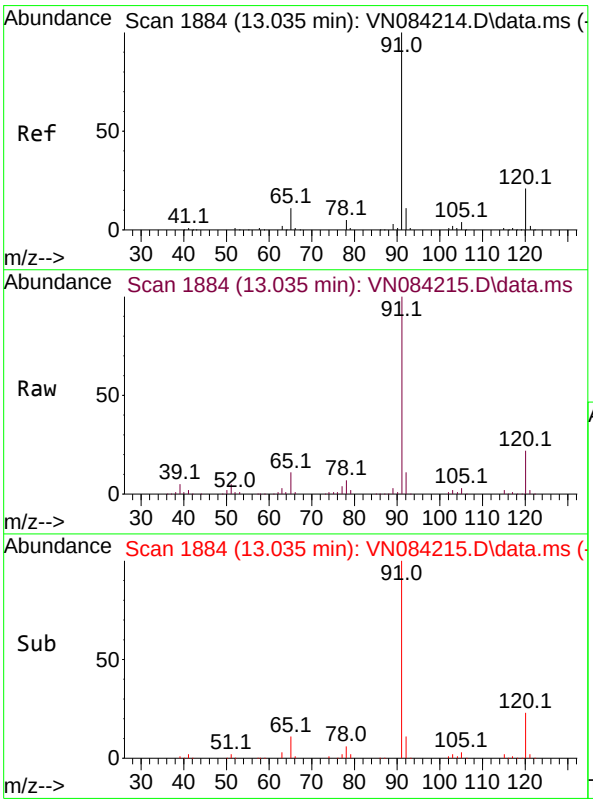
#77
Bromobenzene
Concen: 20.752 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 48803

Ion	Ratio	Lower	Upper
156	100		
77	227.1	115.1	345.3
158	96.5	48.9	146.8

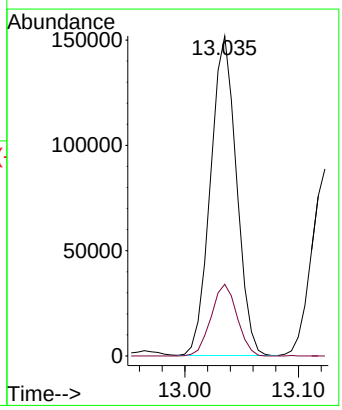


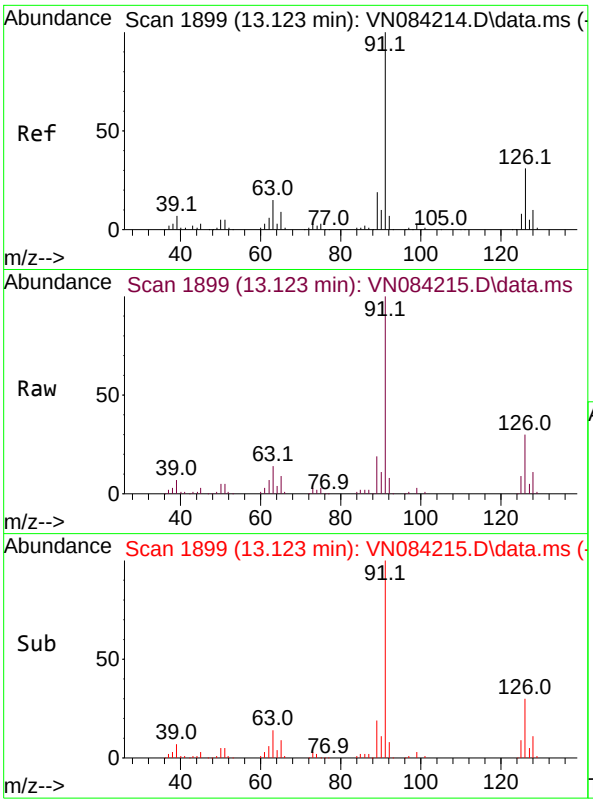


#78
n-propylbenzene
Concen: 21.350 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 241164

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



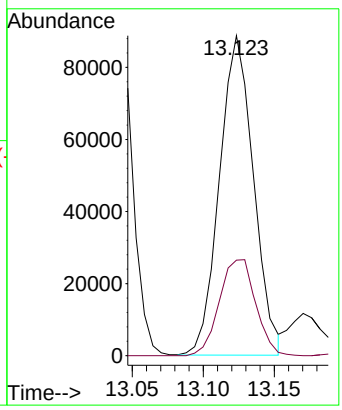


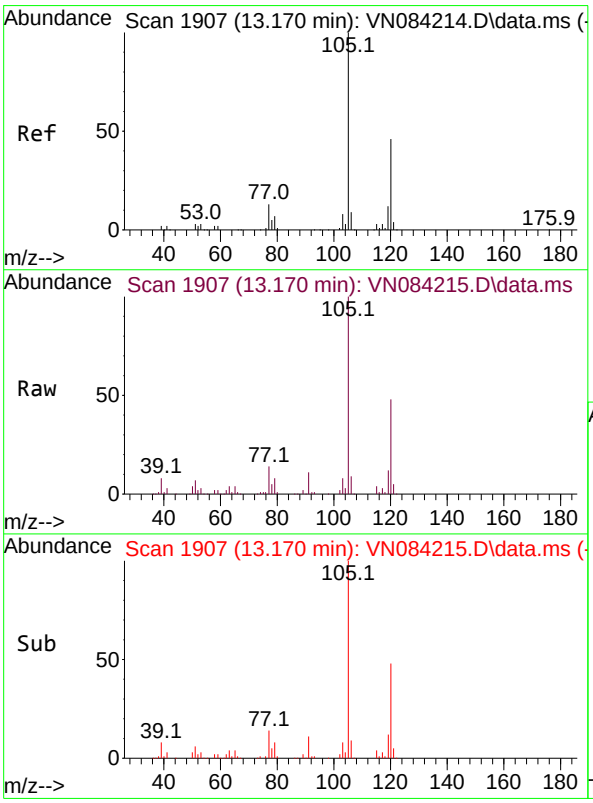
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 147738

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

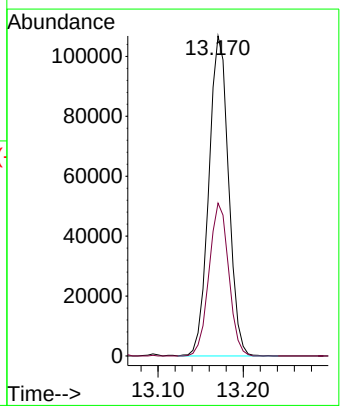


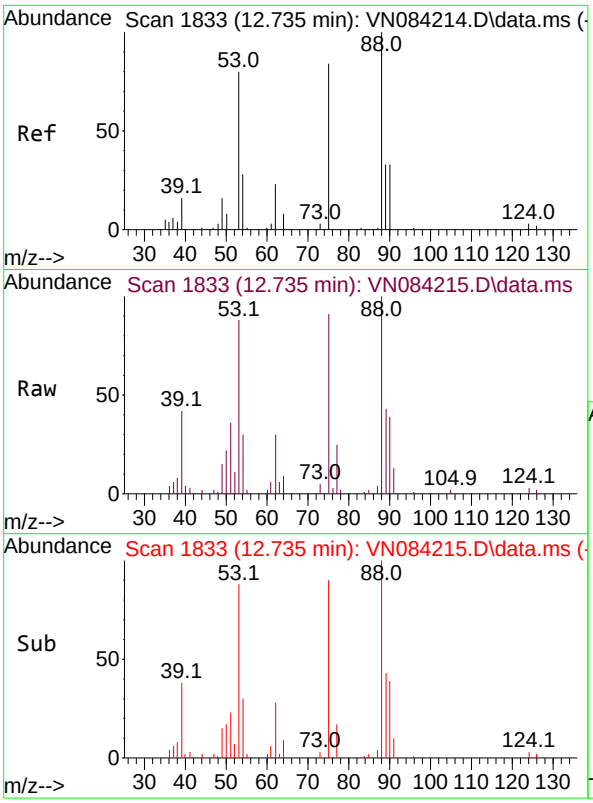


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 171600

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



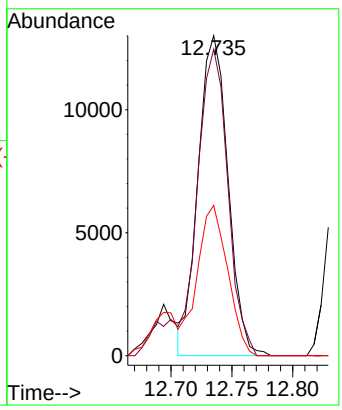


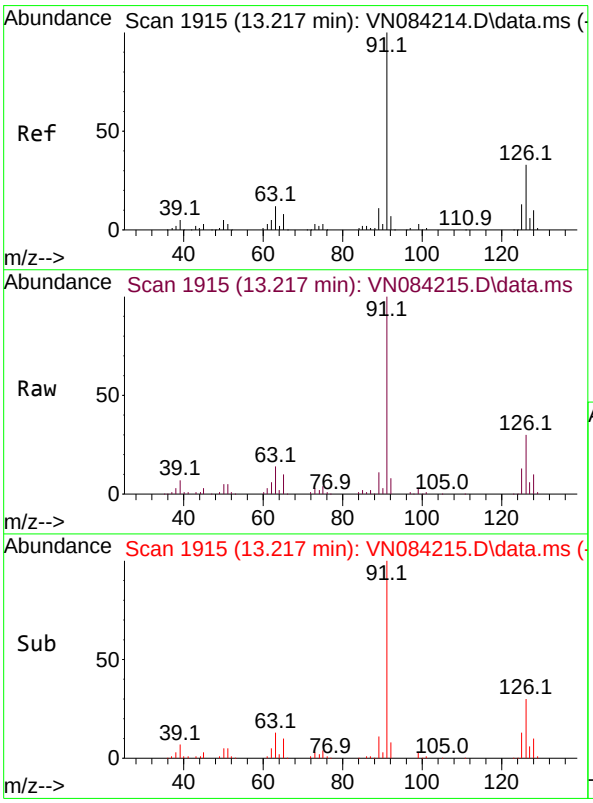
#81
trans-1,4-Dichloro-2-butene
Concen: 20.426 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 22222

Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.0	117.0
89	48.1	35.5	53.3

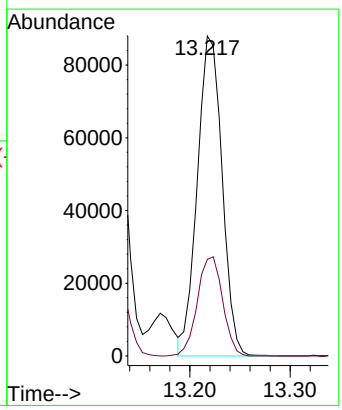


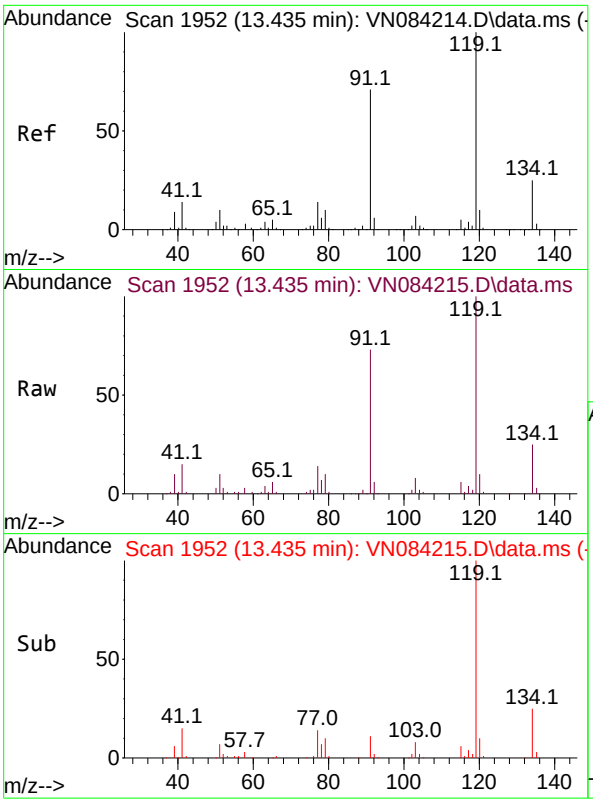


#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151387

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



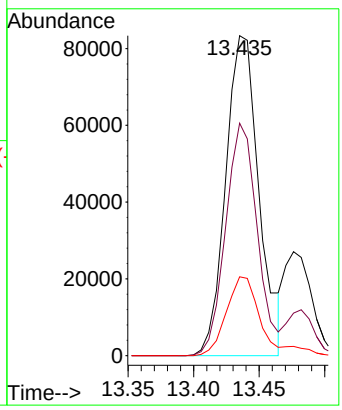


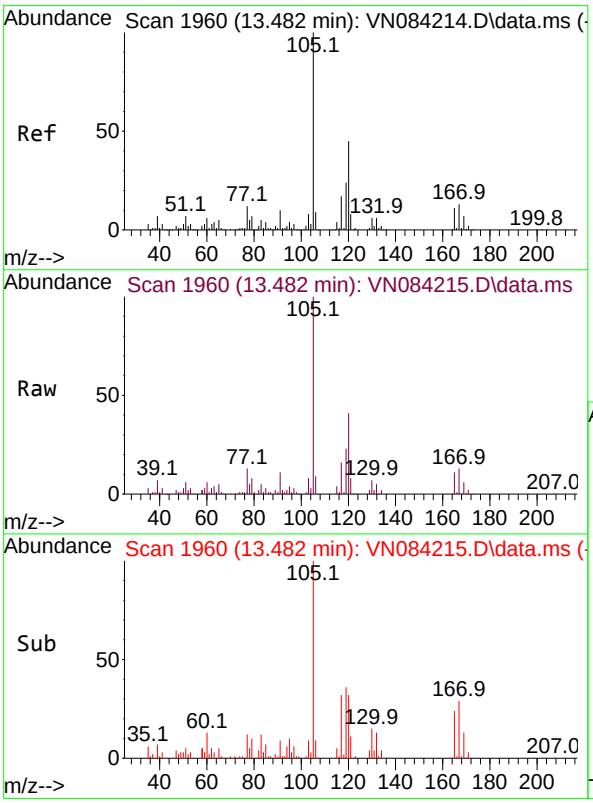
#83
tert-Butylbenzene
Concen: 20.899 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 147727

Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	25.9	12.8	38.4

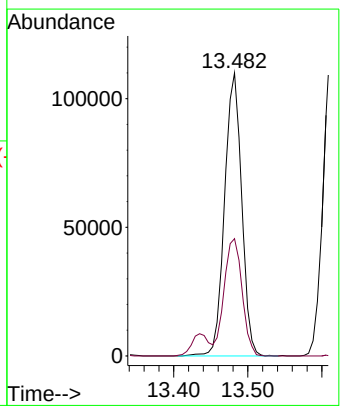


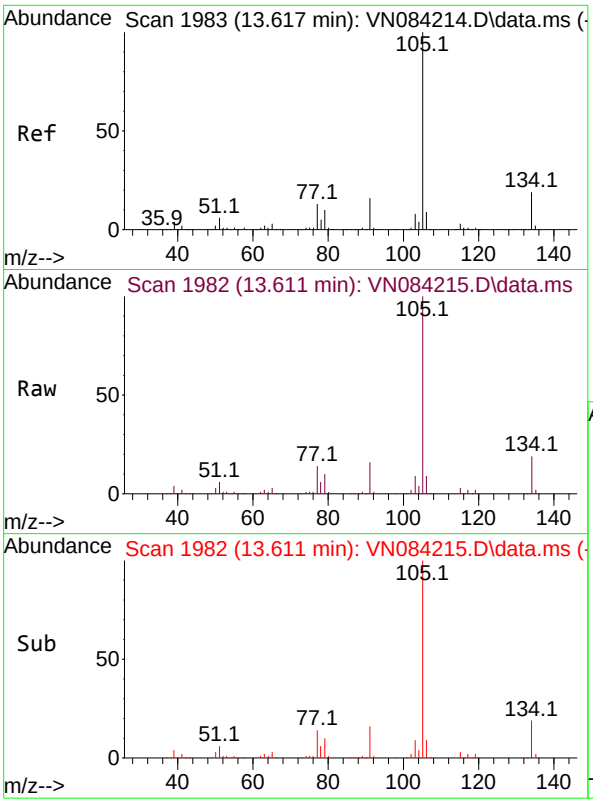


#84
1,2,4-Trimethylbenzene
Concen: 22.004 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 176283

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8



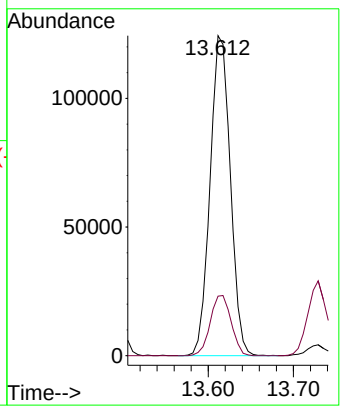


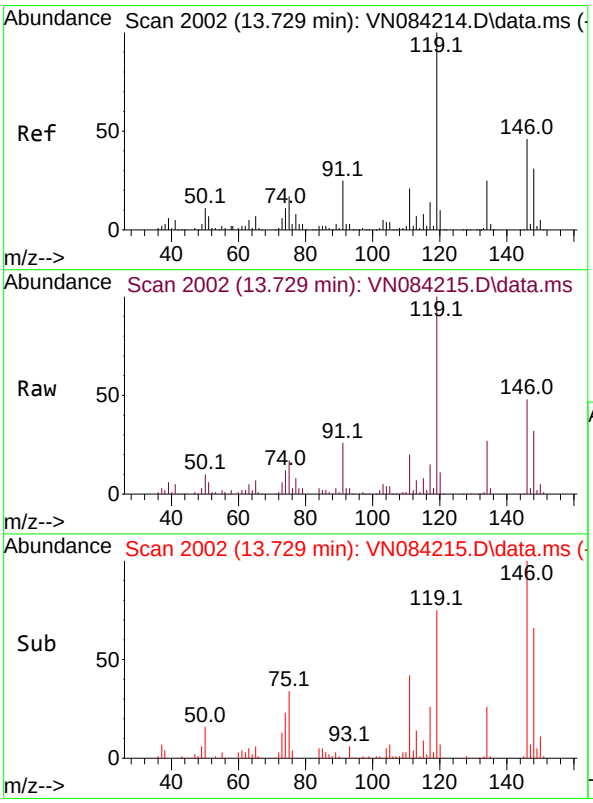
#85
sec-Butylbenzene
Concen: 21.784 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 205477

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

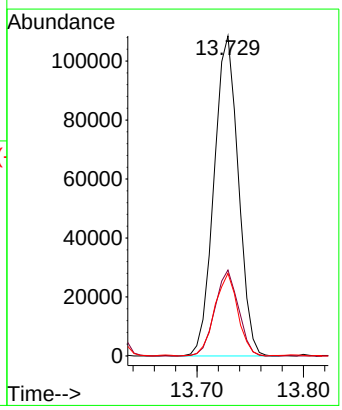


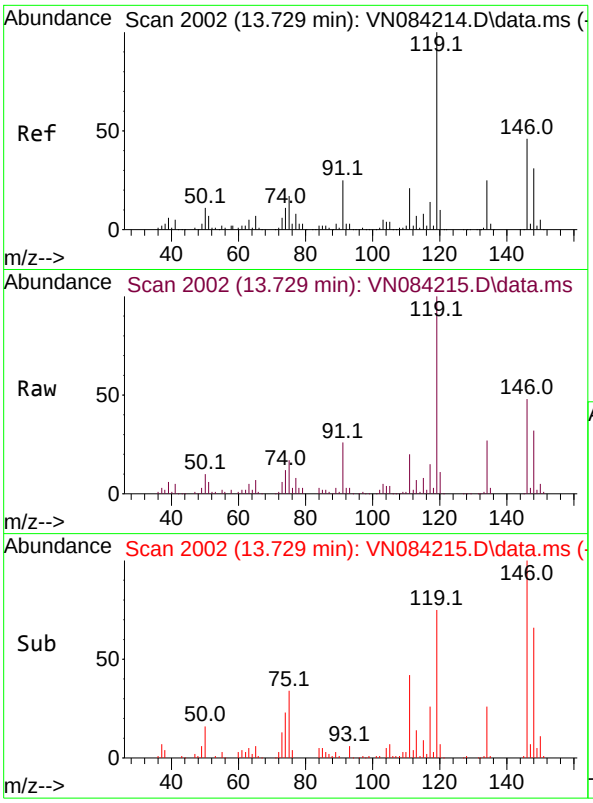


#86
p-Isopropyltoluene
Concen: 22.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:119 Resp: 171766

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.7	12.4	37.2



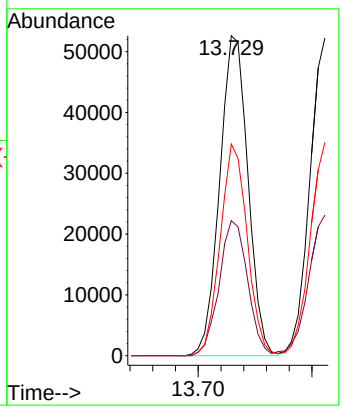


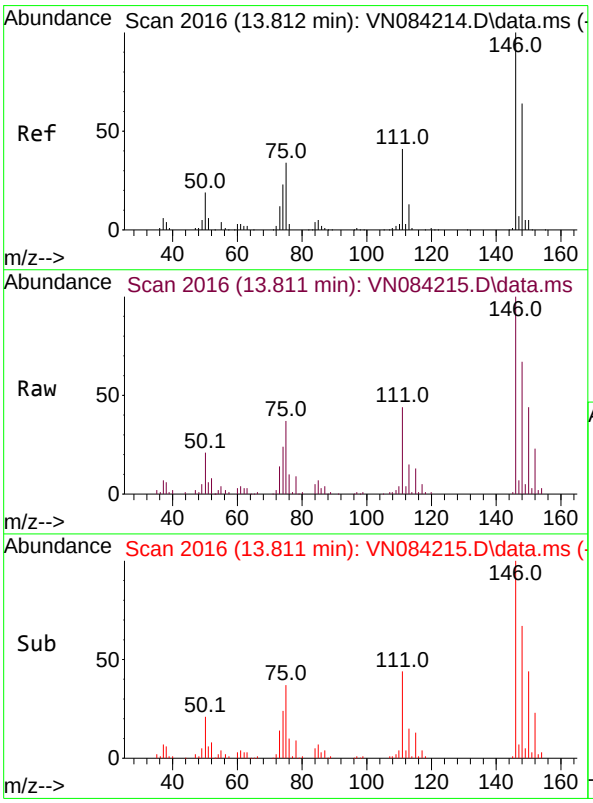
#87
1,3-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 90970

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.4	31.9	95.7

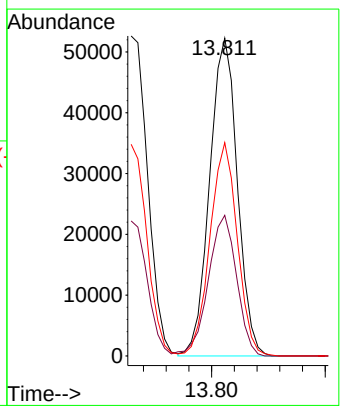


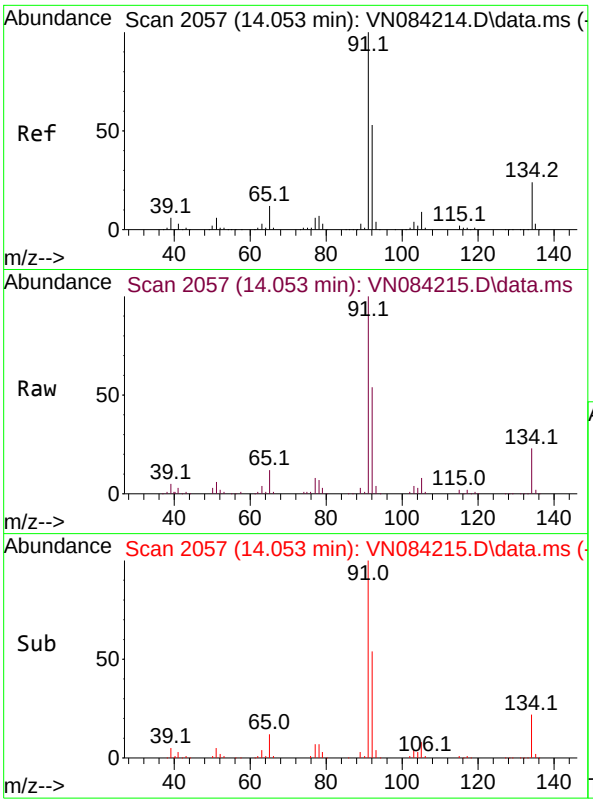


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 88628

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	66.2	31.9	95.9



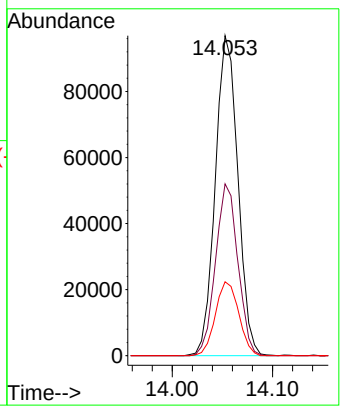


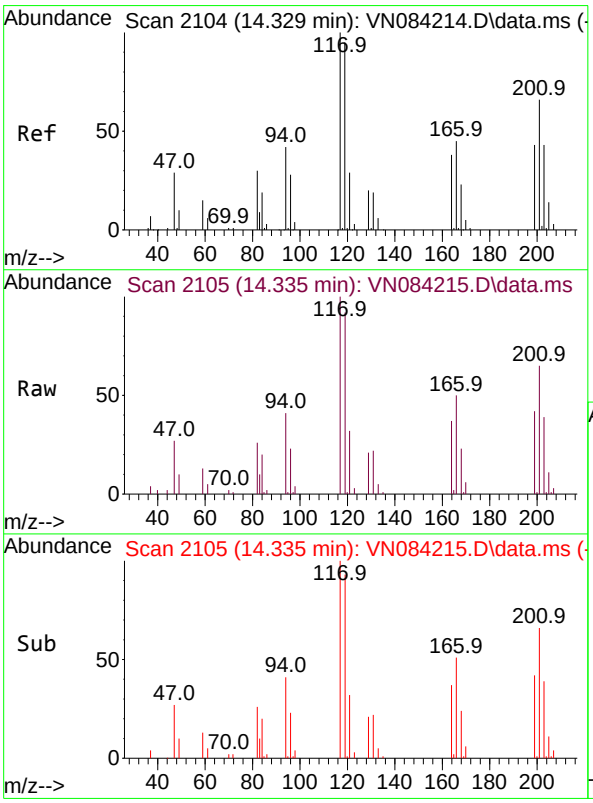
#89
n-Butylbenzene
Concen: 21.398 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 151334

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	23.9	12.3	36.9

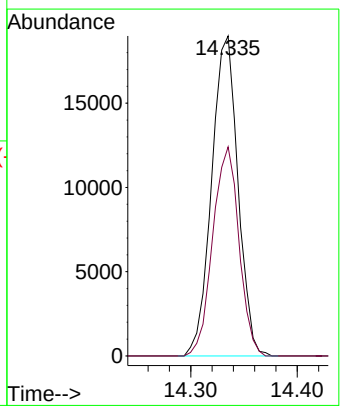


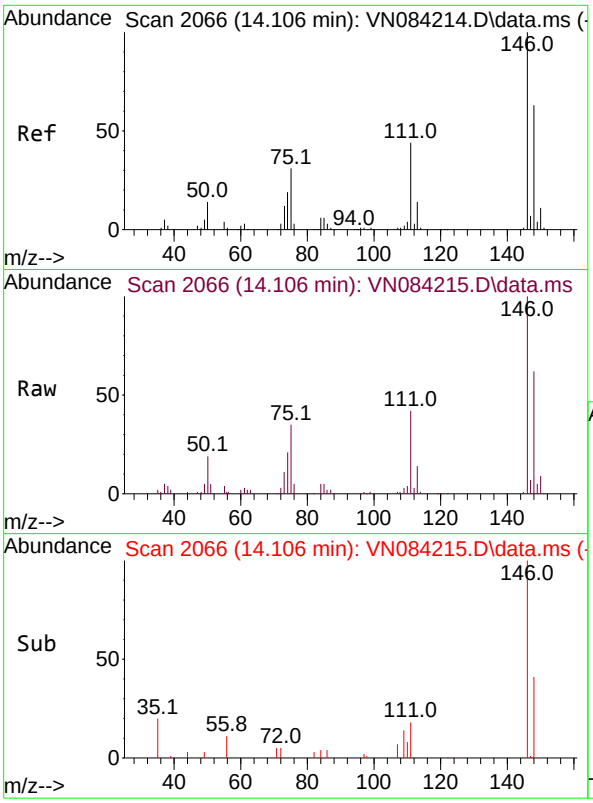


#90
Hexachloroethane
Concen: 20.562 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 32554

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2



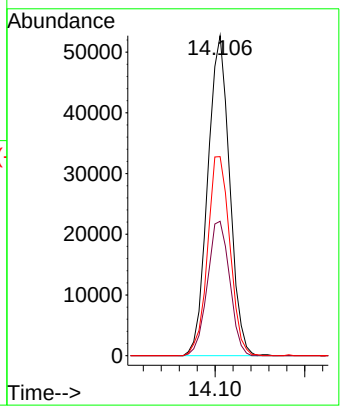


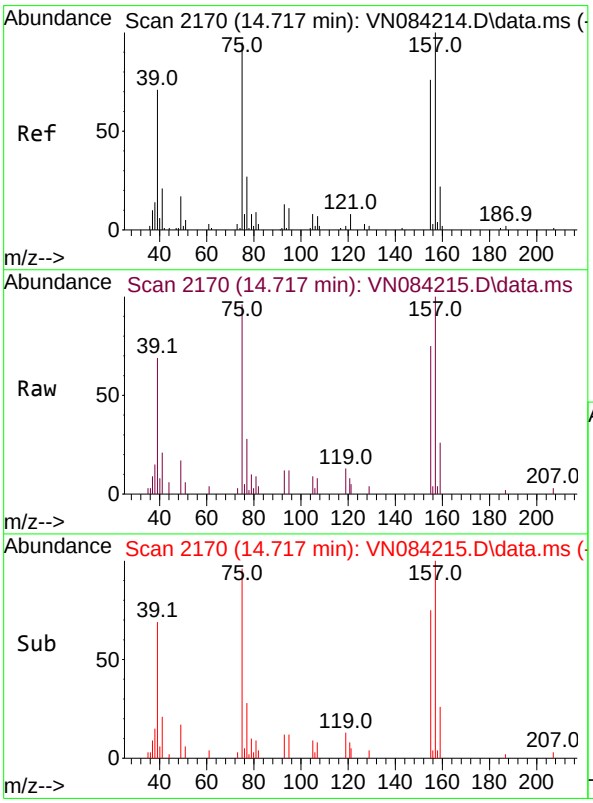
#91
1,2-Dichlorobenzene
Concen: 20.560 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 88942

Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.0	66.0
148	63.6	32.1	96.3

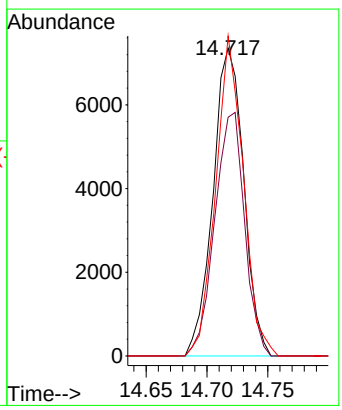


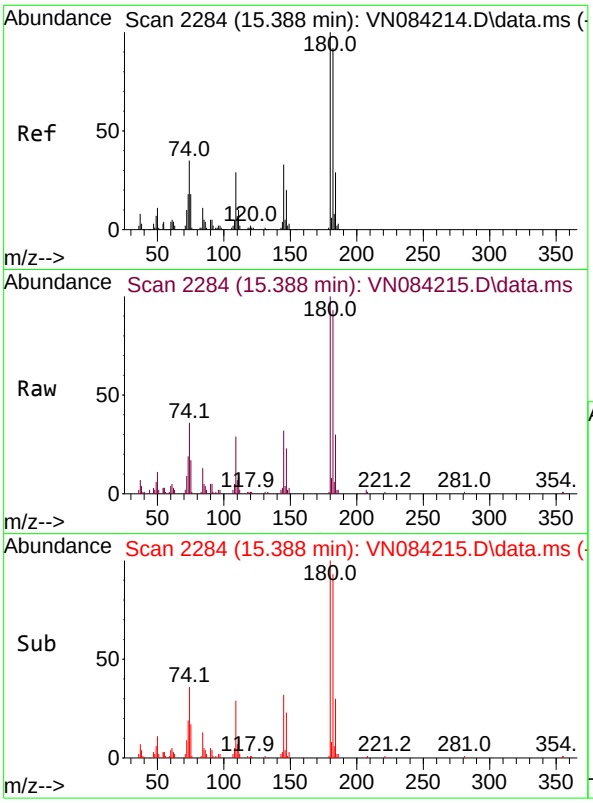


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.347 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 12914

Ion	Ratio	Lower	Upper
75	100		
155	76.9	38.1	114.5
157	93.4	49.6	149.0



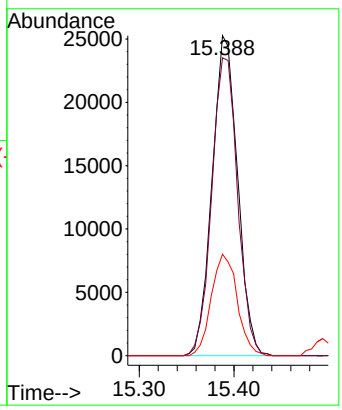


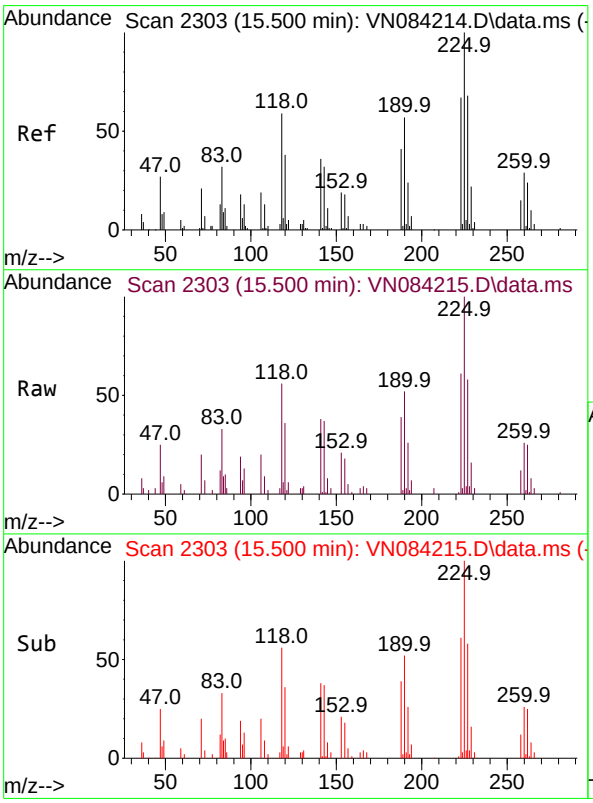
#93
1,2,4-Trichlorobenzene
Concen: 22.128 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 47149

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.3	16.4	49.4

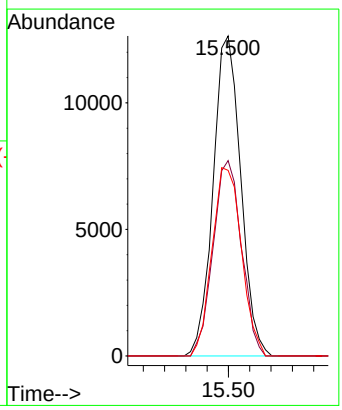


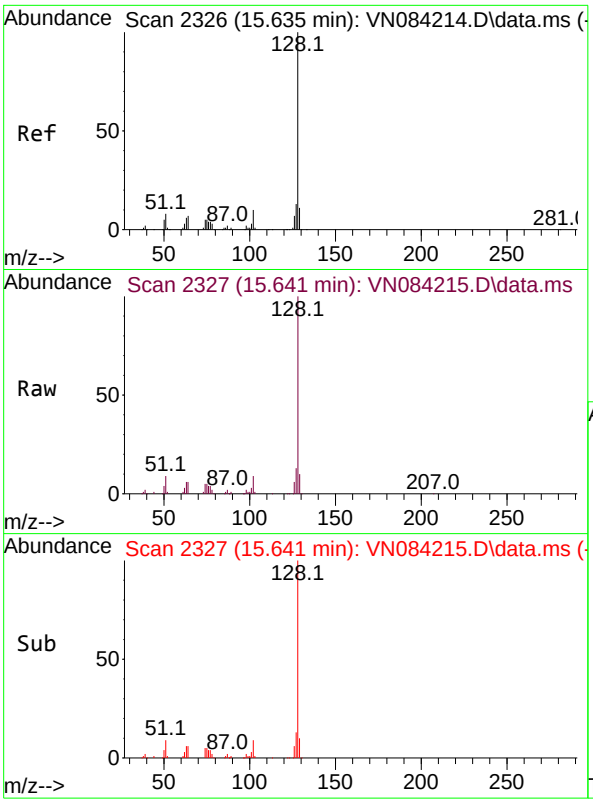


#94
Hexachlorobutadiene
Concen: 21.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:225 Resp: 22742

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	62.7	32.4	97.0



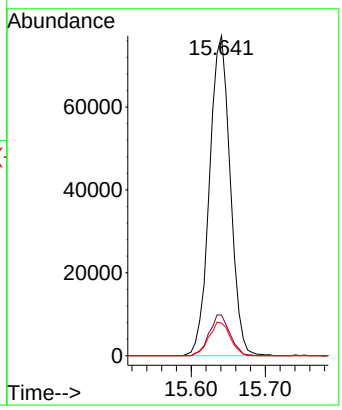


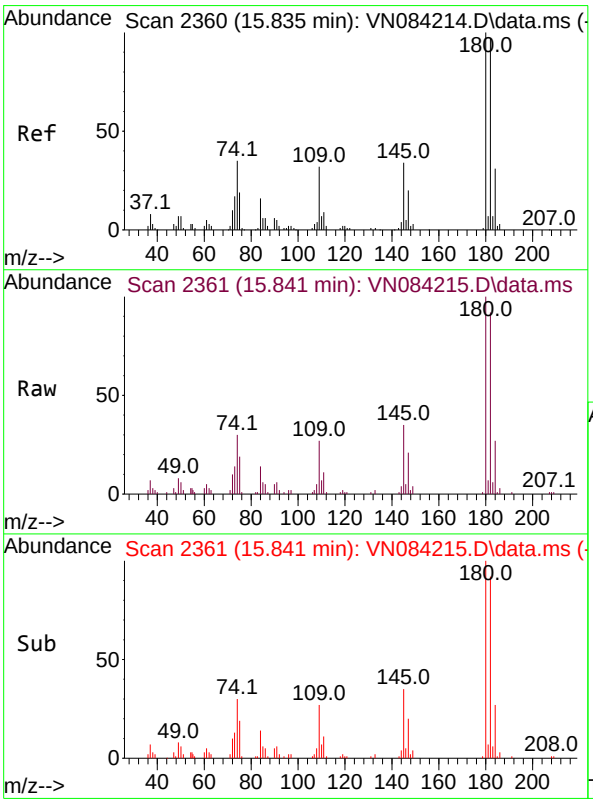
#95
Naphthalene
Concen: 21.233 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 149988

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1

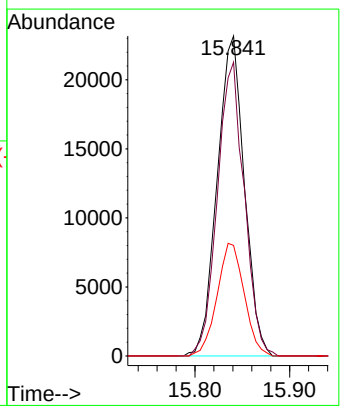




#96
1,2,3-Trichlorobenzene
Concen: 21.639 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:180 Resp: 46153

Ion	Ratio	Lower	Upper
180	100		
182	90.7	48.2	144.6
145	35.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	25083	9.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 19.200%#			
35) Dibromofluoromethane	8.165	113	19289	9.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.180%#			
50) Toluene-d8	10.565	98	70000	9.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 18.920%#			
62) 4-Bromofluorobenzene	12.847	95	24756	9.186	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 18.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	19806	9.501	ug/l	96
3) Chloromethane	2.359	50	22840	9.595	ug/l	97
4) Vinyl Chloride	2.518	62	22584	9.795	ug/l	97
5) Bromomethane	2.965	94	14957	9.835	ug/l	96
6) Chloroethane	3.124	64	15254	9.238	ug/l	89
7) Trichlorofluoromethane	3.494	101	33820	9.420	ug/l	99
8) Diethyl Ether	3.965	74	12422	9.328	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	18747	9.113	ug/l	98
10) Methyl Iodide	4.594	142	24268	9.160	ug/l	96
11) Tert butyl alcohol	5.512	59	20490	47.553	ug/l #	86
12) 1,1-Dichloroethene	4.341	96	18798	9.473	ug/l	86
13) Acrolein	4.183	56	22976	46.448	ug/l	98
14) Allyl chloride	5.024	41	31571	9.161	ug/l	98
15) Acrylonitrile	5.718	53	52809	48.533	ug/l	99
16) Acetone	4.424	43	52518	46.785	ug/l	96
17) Carbon Disulfide	4.718	76	58158	9.257	ug/l	99
18) Methyl Acetate	5.024	43	24366	9.959	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	63531	9.486	ug/l	94
20) Methylene Chloride	5.277	84	21801	9.554	ug/l	87
21) trans-1,2-Dichloroethene	5.788	96	20107	9.672	ug/l	85
22) Diisopropyl ether	6.671	45	66959	9.393	ug/l	97
23) Vinyl Acetate	6.606	43	248594	46.769	ug/l	98
24) 1,1-Dichloroethane	6.571	63	38215	9.586	ug/l	99
25) 2-Butanone	7.482	43	73877	48.320	ug/l	99
26) 2,2-Dichloropropane	7.488	77	34655	9.641	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	23095	9.193	ug/l	98
28) Bromochloromethane	7.812	49	14904	8.379	ug/l	100
29) Tetrahydrofuran	7.835	42	46917	49.725	ug/l	99
30) Chloroform	7.965	83	39355	9.504	ug/l	90
31) Cyclohexane	8.253	56	36916	9.538	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	35869	9.645	ug/l #	87
36) 1,1-Dichloropropene	8.377	75	28525	9.767	ug/l	99
37) Ethyl Acetate	7.565	43	29754	9.931	ug/l #	81
38) Carbon Tetrachloride	8.365	117	30964	9.665	ug/l	92
39) Methylcyclohexane	9.600	83	30932	9.516	ug/l	95
40) Benzene	8.606	78	86029	9.454	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	15332	9.426	ug/l		97
42) 1,2-Dichloroethane	8.671	62	30402	9.855	ug/l		97
43) Isopropyl Acetate	8.688	43	52246	8.906	ug/l		99
44) Trichloroethene	9.347	130	20092	9.454	ug/l		99
45) 1,2-Dichloropropane	9.618	63	20703	9.618	ug/l		96
46) Dibromomethane	9.706	93	13770	9.479	ug/l		95
47) Bromodichloromethane	9.888	83	30289	9.385	ug/l	#	98
48) Methyl methacrylate	9.682	41	22612	9.679	ug/l		98
49) 1,4-Dioxane	9.694	88	8627	200.587	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.441	43	142632	50.007	ug/l		99
52) Toluene	10.629	92	52537	9.468	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	31555	9.592	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	34684	9.802	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	19245	9.675	ug/l		97
56) Ethyl methacrylate	10.870	69	31262	9.551	ug/l		97
57) 1,3-Dichloropropane	11.165	76	33613	9.457	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	71035	46.784	ug/l		99
59) 2-Hexanone	11.194	43	103615	48.604	ug/l		100
60) Dibromochloromethane	11.359	129	22833	9.715	ug/l		99
61) 1,2-Dibromoethane	11.470	107	19220	9.299	ug/l		95
64) Tetrachloroethene	11.100	164	17743	9.711	ug/l		97
65) Chlorobenzene	11.894	112	56099	9.645	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	19227	9.597	ug/l		97
67) Ethyl Benzene	11.964	91	96533	9.385	ug/l		97
68) m/p-Xylenes	12.070	106	72910	19.162	ug/l		100
69) o-Xylene	12.394	106	34965	9.713	ug/l		100
70) Styrene	12.412	104	58367	9.572	ug/l		99
71) Bromoform	12.576	173	13618	9.233	ug/l	#	96
73) Isopropylbenzene	12.694	105	88000	9.638	ug/l		99
74) N-amyl acetate	12.494	43	40801	9.868	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	26966	9.822	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	36789	15.426	ug/l		59
77) Bromobenzene	12.982	156	21439	9.734	ug/l		99
78) n-propylbenzene	13.035	91	105334	9.957	ug/l		99
79) 2-Chlorotoluene	13.123	91	65511	9.704	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	73637	9.887	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	10237	10.047	ug/l		94
82) 4-Chlorotoluene	13.223	91	66449	9.778	ug/l		99
83) tert-Butylbenzene	13.435	119	64152	9.691	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	74245	9.895	ug/l		99
85) sec-Butylbenzene	13.611	105	88913	10.065	ug/l		100
86) p-Isopropyltoluene	13.729	119	71675	9.812	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	39402	9.536	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	39191	9.392	ug/l		97
89) n-Butylbenzene	14.053	91	61422	9.273	ug/l		99
90) Hexachloroethane	14.335	117	14560	9.820	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	38594	9.526	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5799	10.235	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	18960	9.501	ug/l		99
94) Hexachlorobutadiene	15.500	225	9592	9.638	ug/l		95
95) Naphthalene	15.635	128	63596	9.613	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	19629	9.826	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

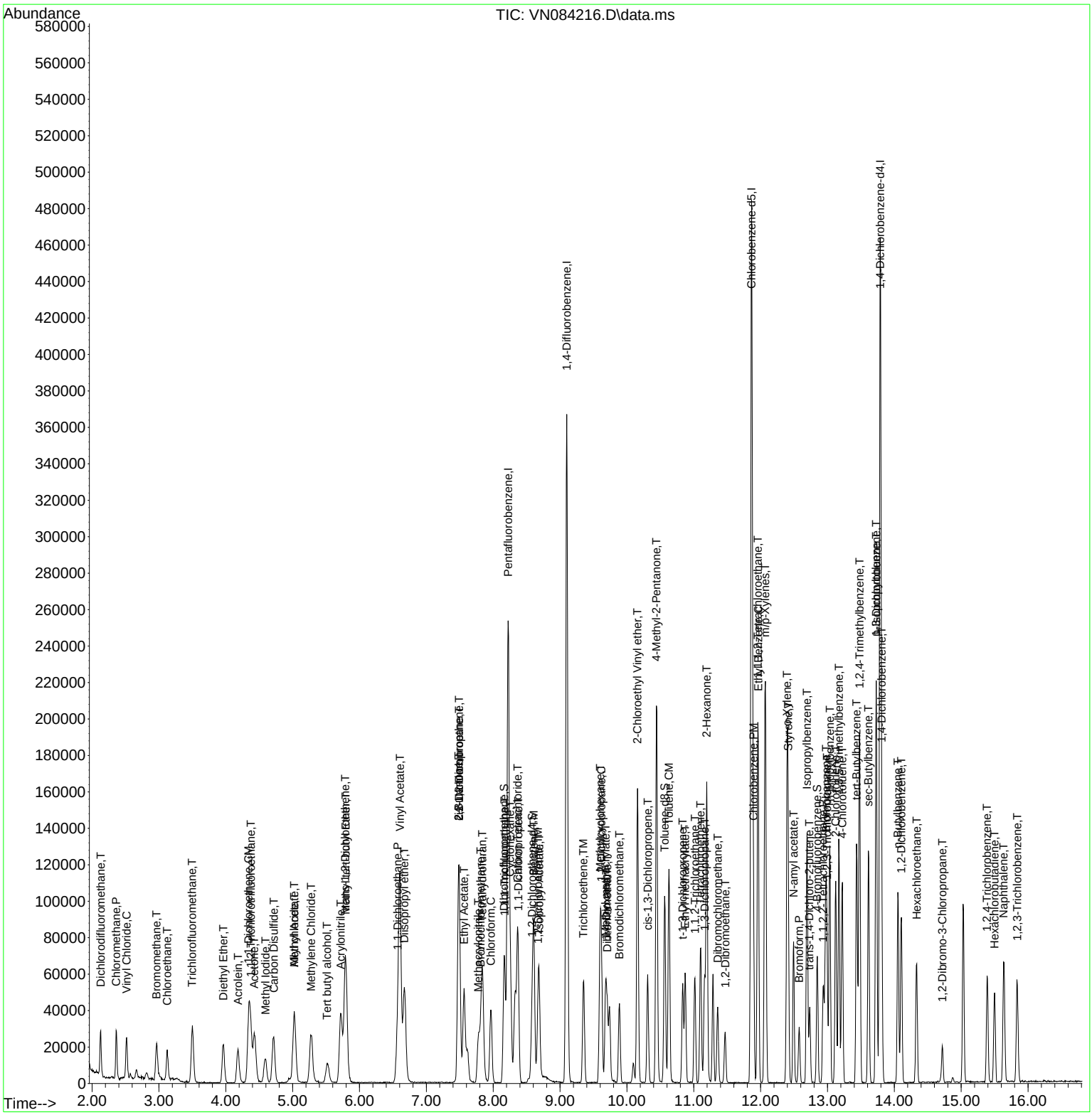
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

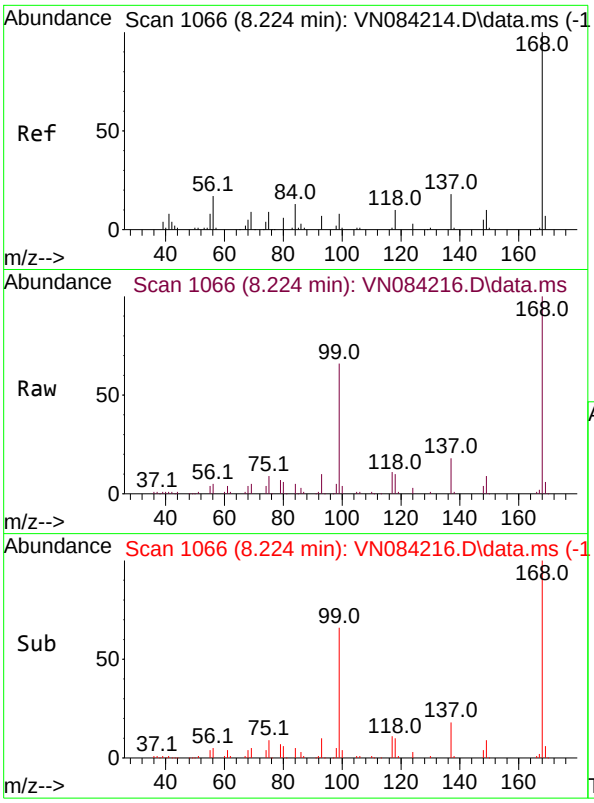
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 01 06:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



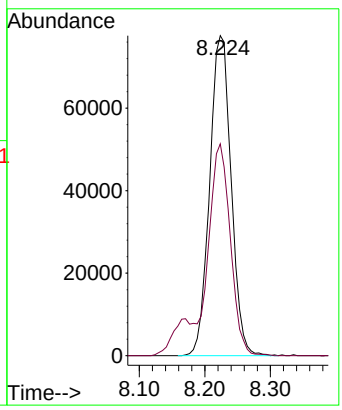


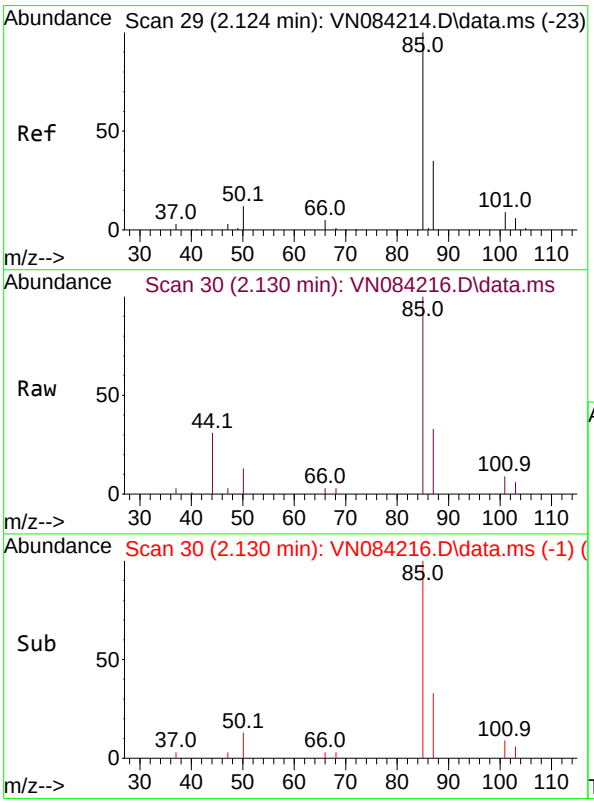
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 176243

Ion	Ratio	Lower	Upper
168	100		
99	66.2	54.2	81.2

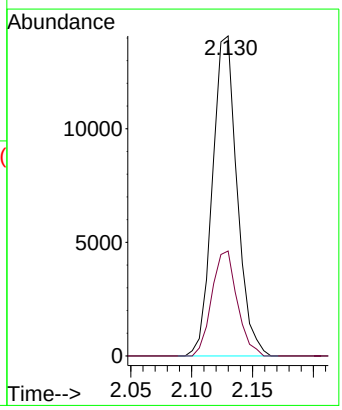


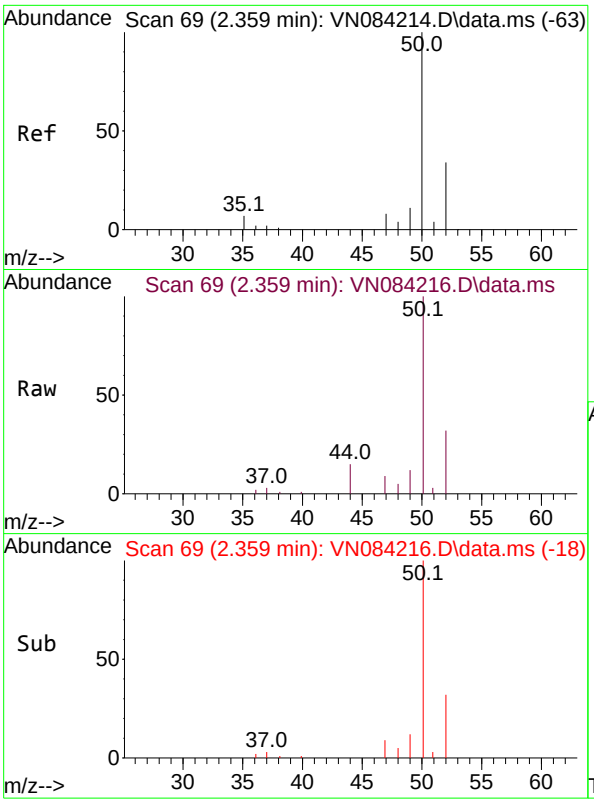


#2
Dichlorodifluoromethane
Concen: 9.501 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 85 Resp: 19806

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9



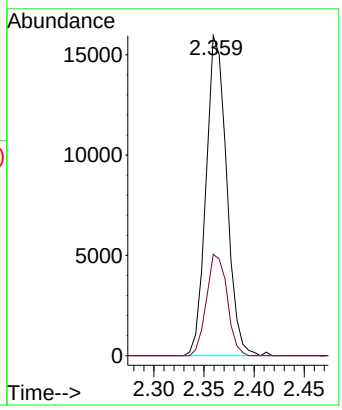


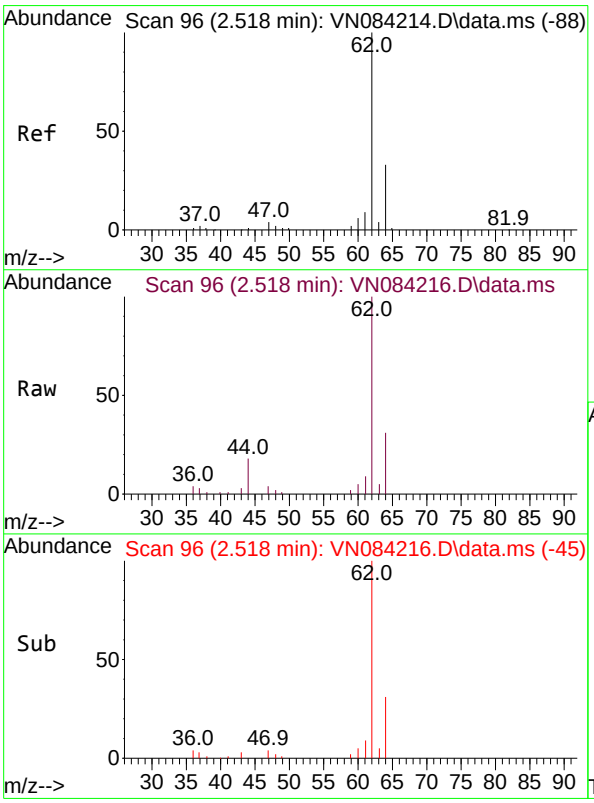
#3
Chloromethane
Concen: 9.595 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 22840

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2

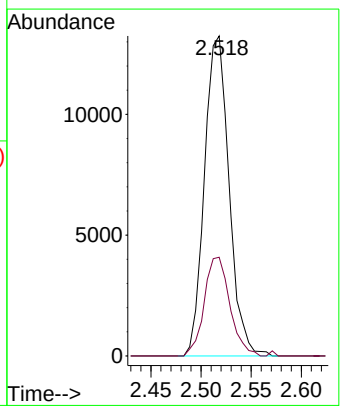


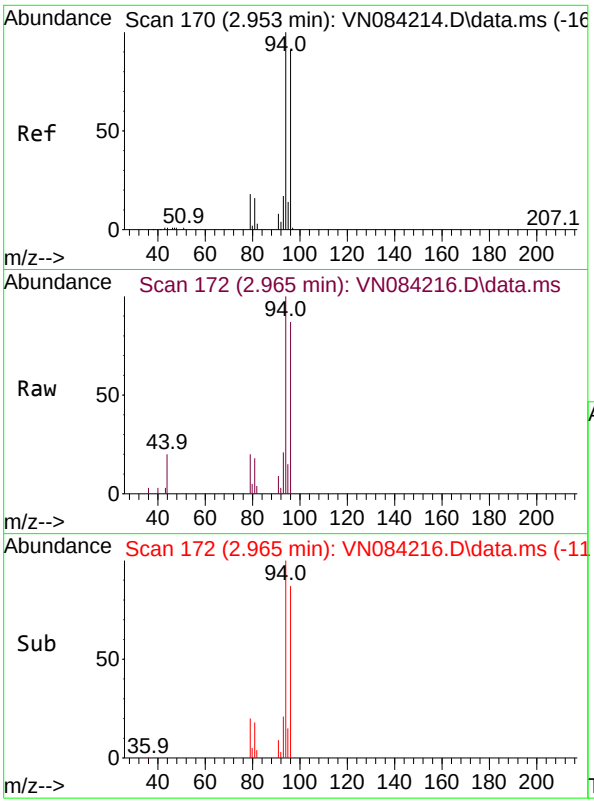


#4
Vinyl Chloride
Concen: 9.795 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 22584

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4



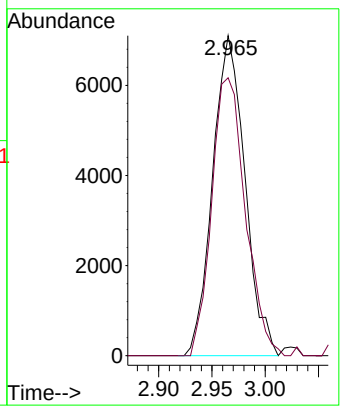


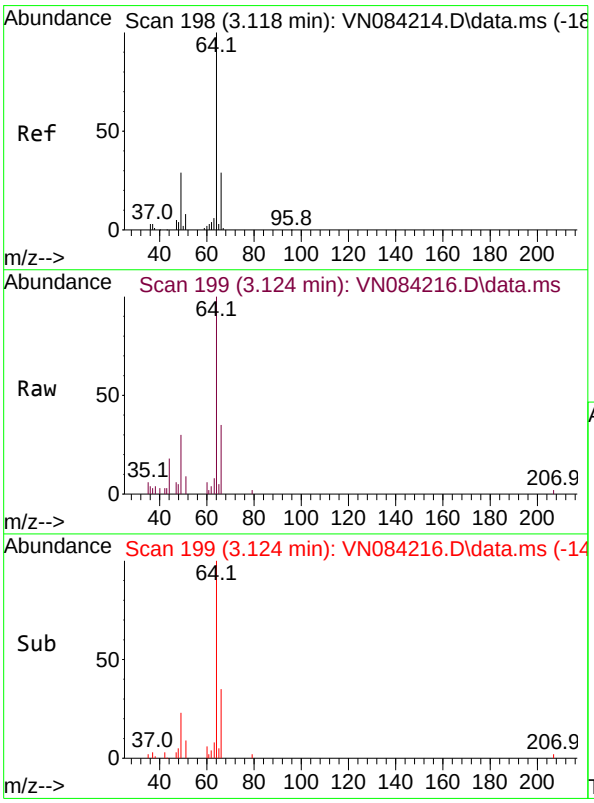
#5
Bromomethane
Concen: 9.835 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 14957

Ion	Ratio	Lower	Upper
94	100		
96	86.8	72.9	109.3

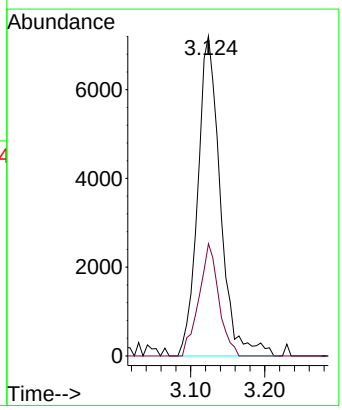


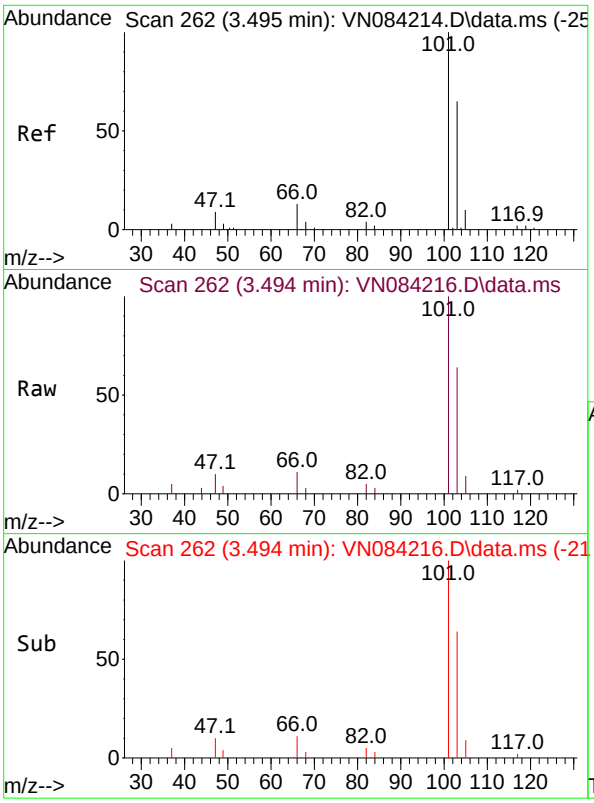


#6
Chloroethane
Concen: 9.238 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 64 Resp: 15254

Ion	Ratio	Lower	Upper
64	100		
66	35.0	23.5	35.3



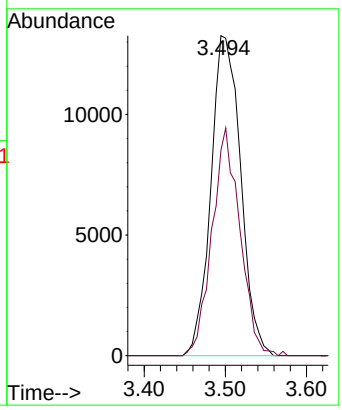


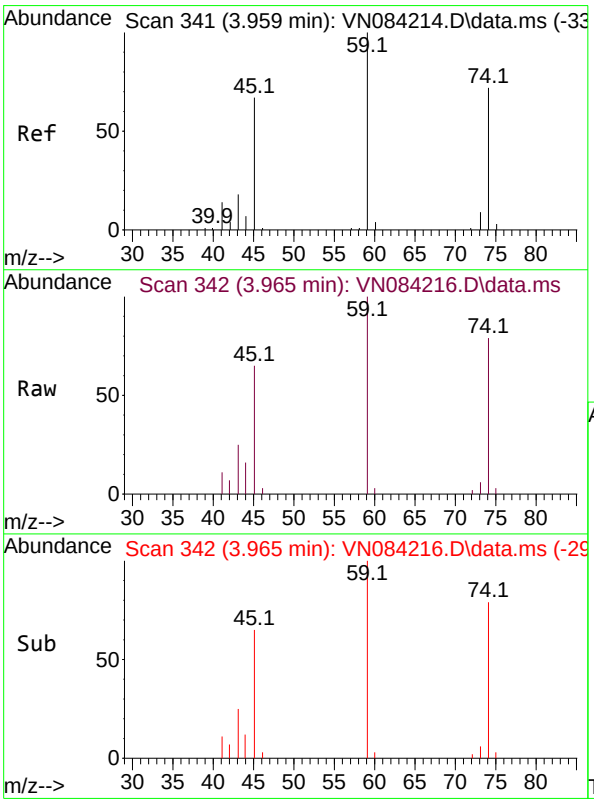
#7
Trichlorofluoromethane
Concen: 9.420 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33820

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

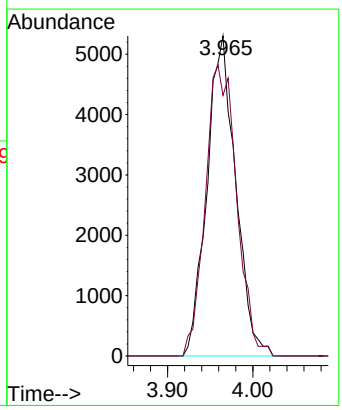


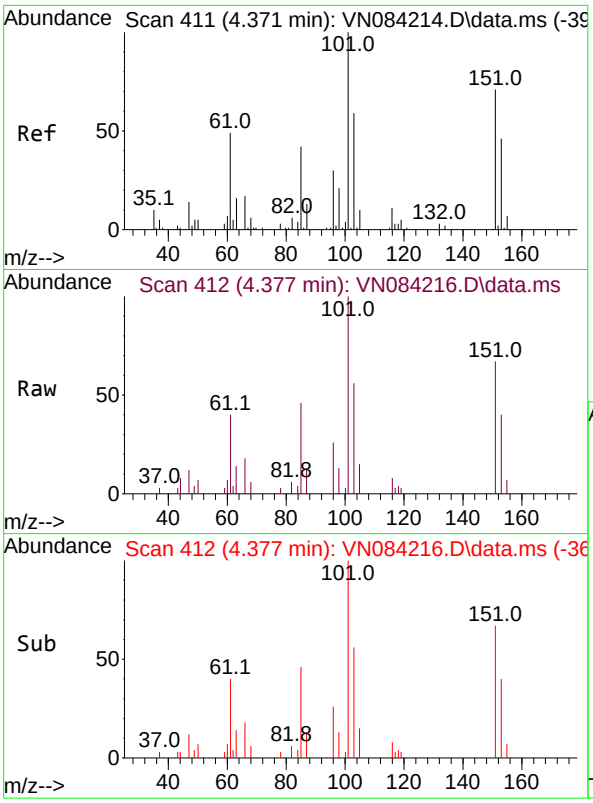


#8
Diethyl Ether
Concen: 9.328 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 74 Resp: 12422

Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.7	143.1



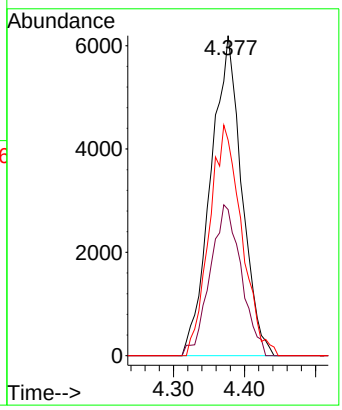


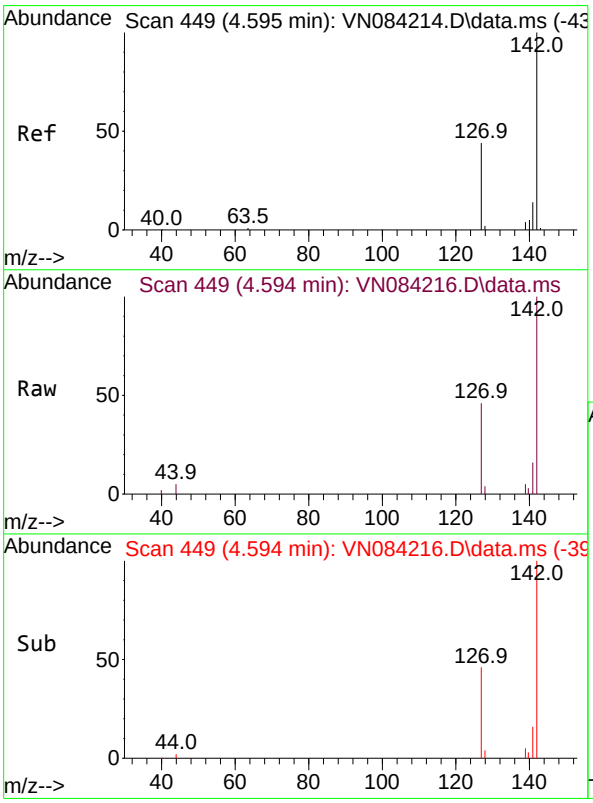
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 18747

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	75.1	59.3	88.9

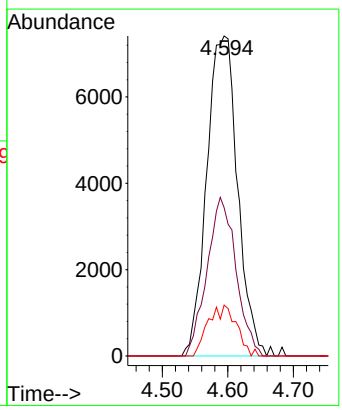


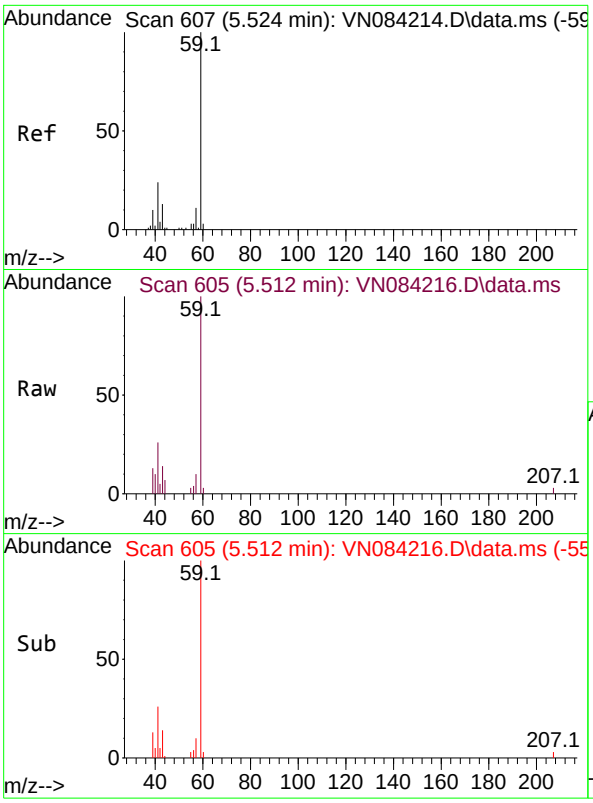


#10
Methyl Iodide
Concen: 9.160 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:142 Resp: 24268

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.3	52.9
141	15.9	11.0	16.6



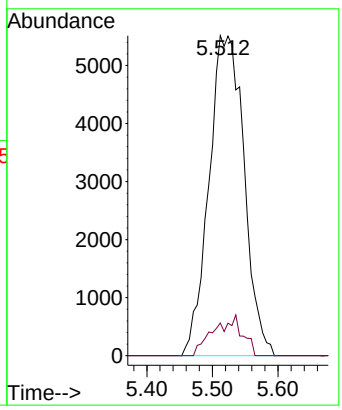


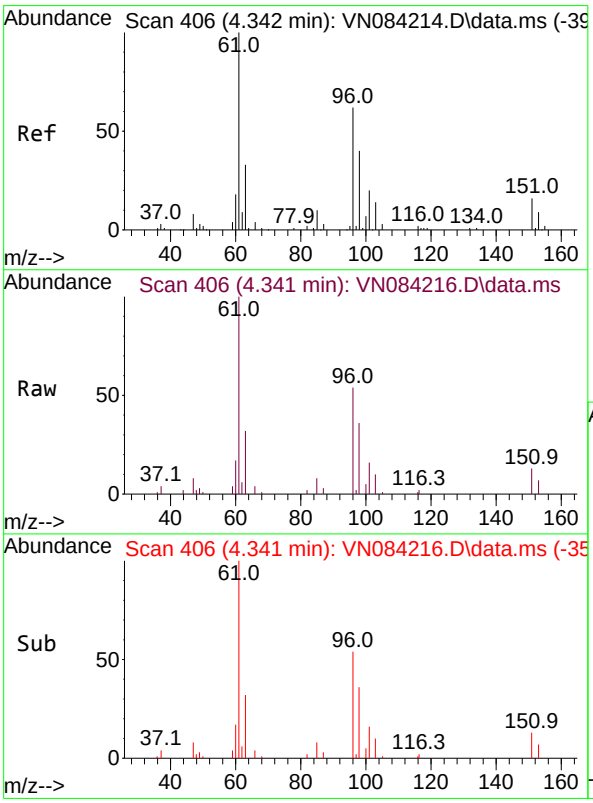
#11
Tert butyl alcohol
Concen: 47.553 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 20490

Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.2#

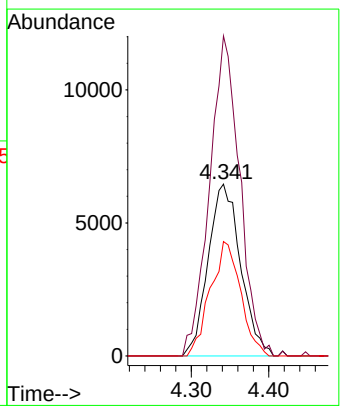


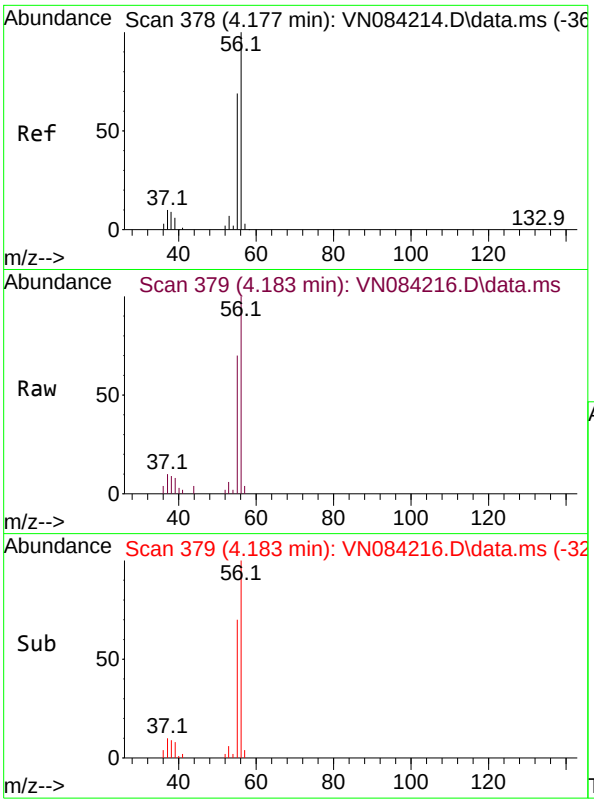


#12
1,1-Dichloroethene
Concen: 9.473 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 18798

Ion	Ratio	Lower	Upper
96	100		
61	186.2	128.6	192.8
98	66.5	51.7	77.5



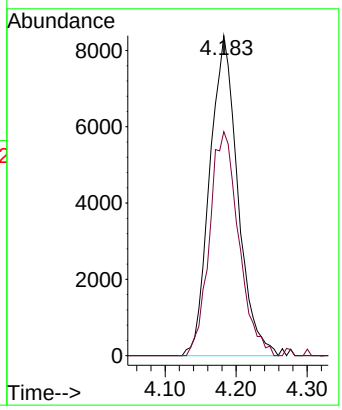


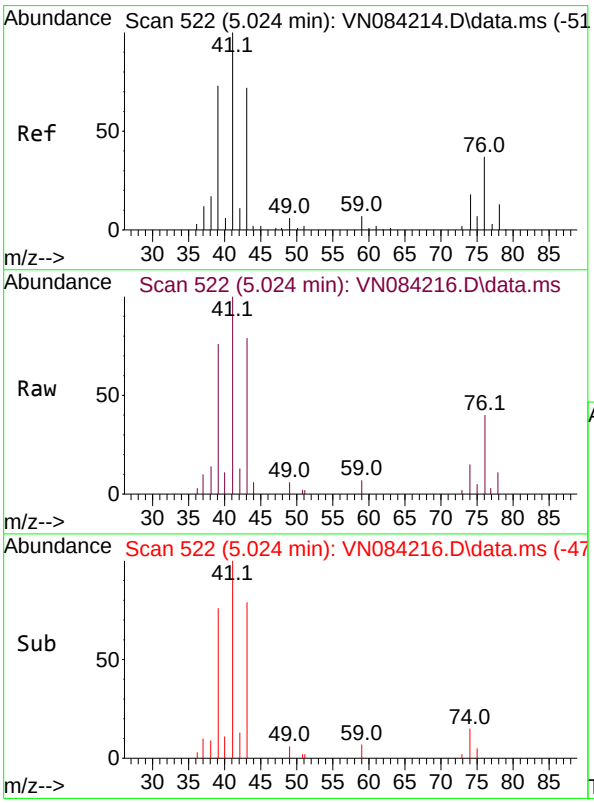
#13
Acrolein
Concen: 46.448 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 22976

Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8

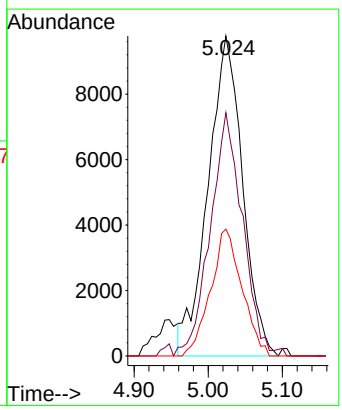


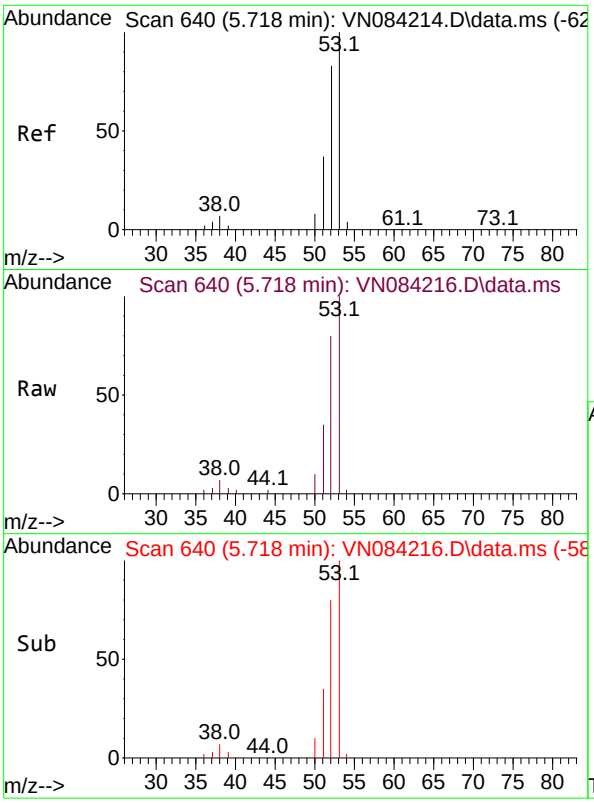


#14
Allyl chloride
Concen: 9.161 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 31571

Ion	Ratio	Lower	Upper
41	100		
39	71.4	59.0	88.6
76	36.1	29.8	44.6



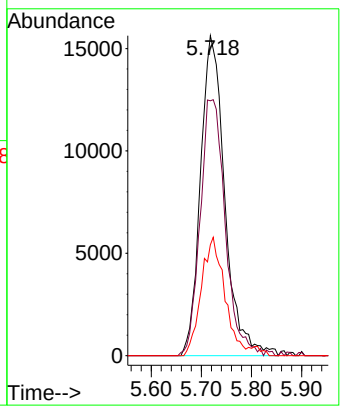


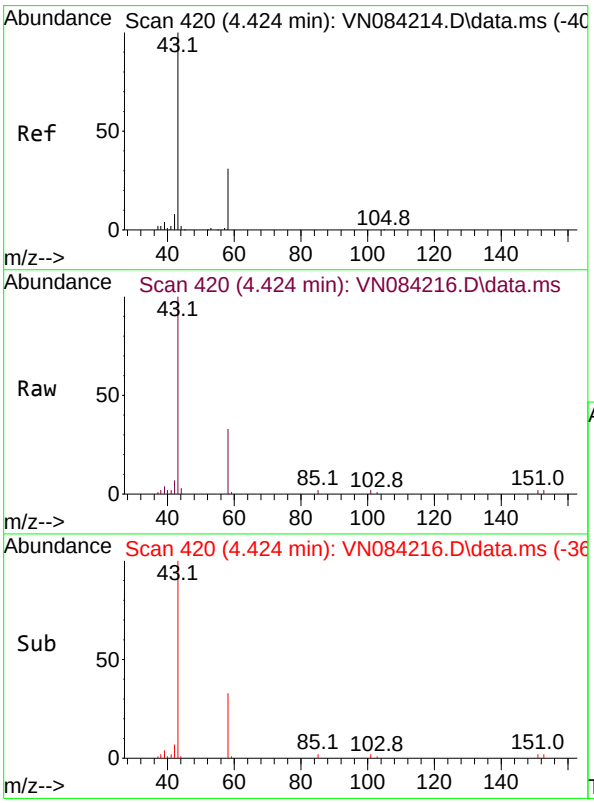
#15
Acrylonitrile
Concen: 48.533 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 52809

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.4	28.8	43.2

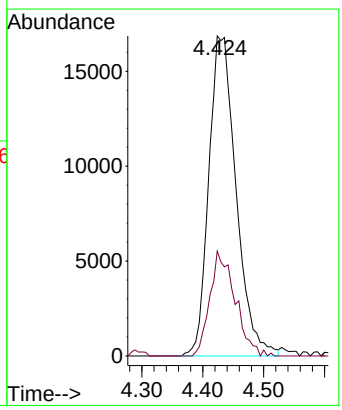


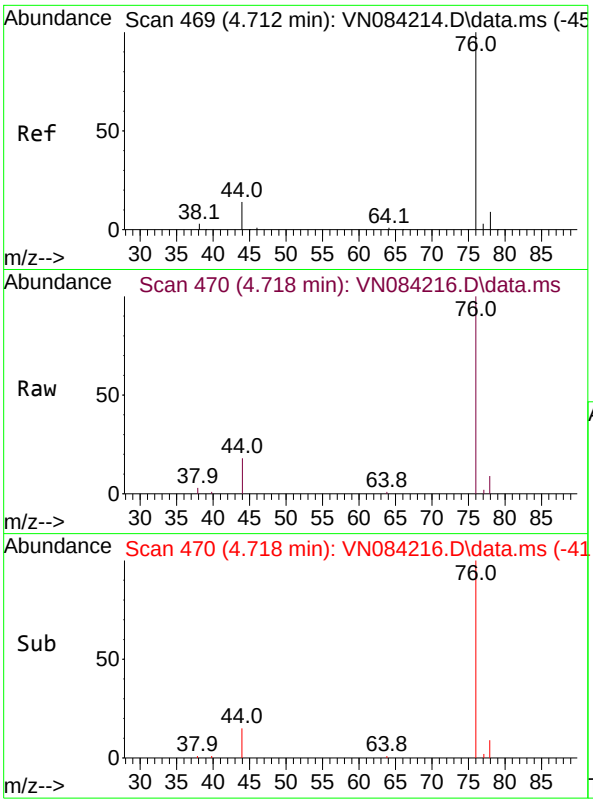


#16
Acetone
Concen: 46.785 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52518

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6



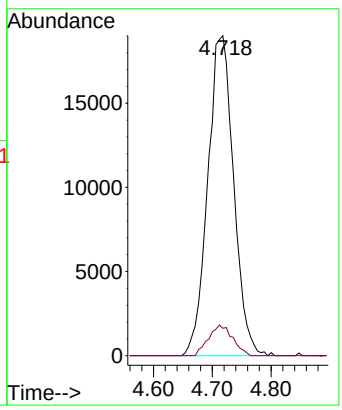


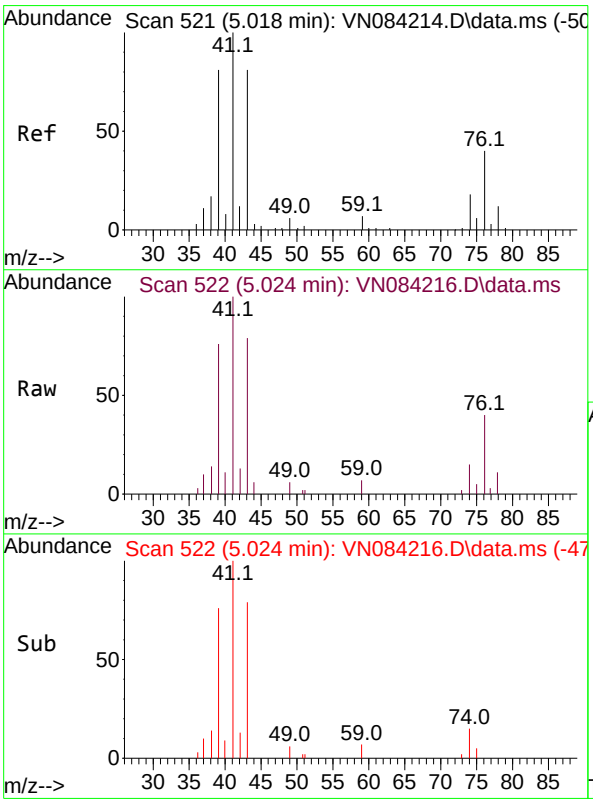
#17
Carbon Disulfide
Concen: 9.257 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 58158

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

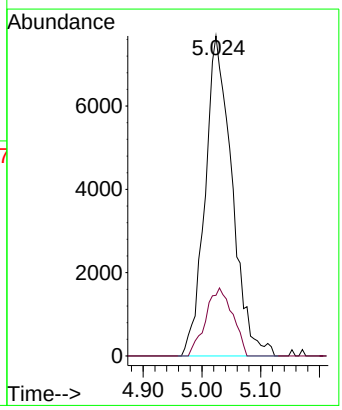


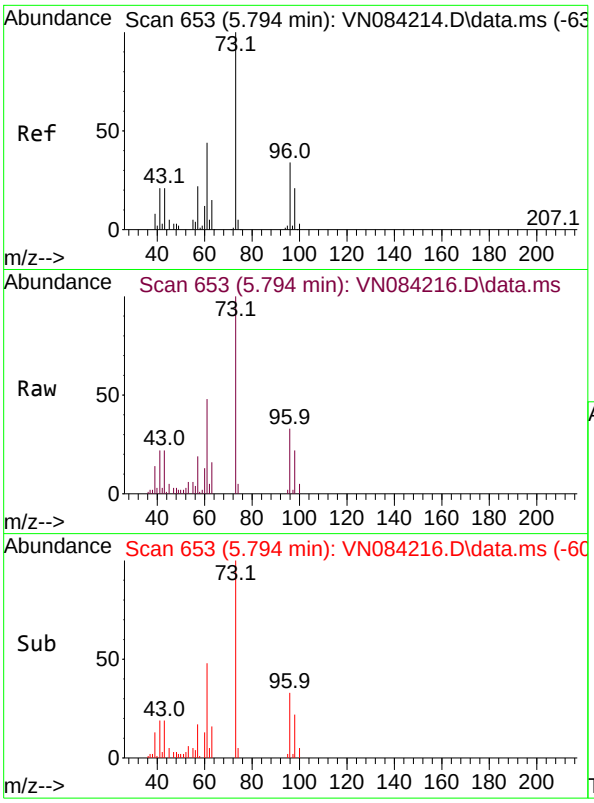


#18
Methyl Acetate
Concen: 9.959 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 24366

Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.2	28.8



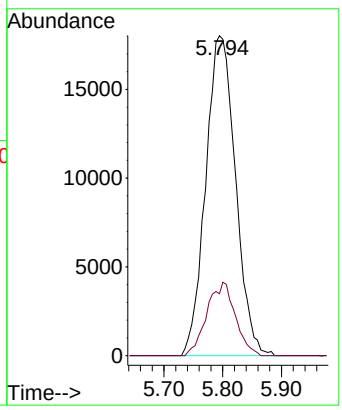


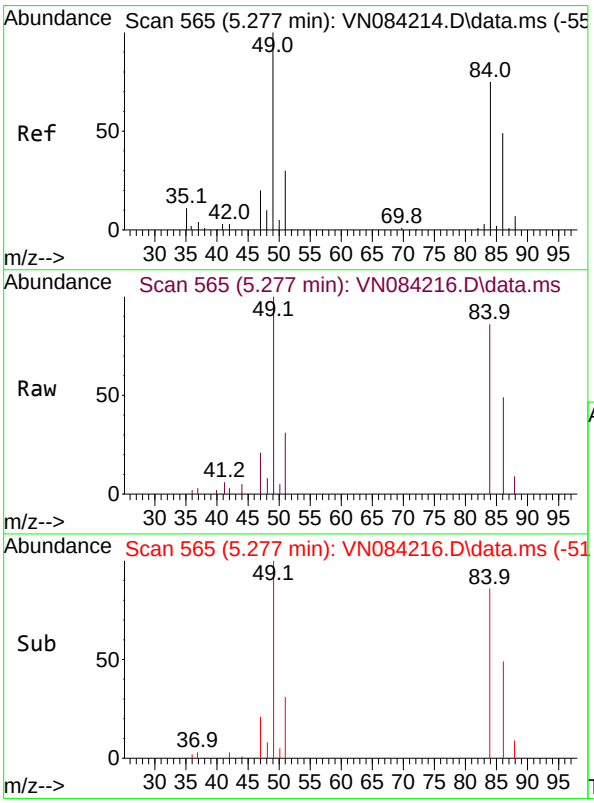
#19
Methyl tert-butyl Ether
Concen: 9.486 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 63531

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.7	26.5

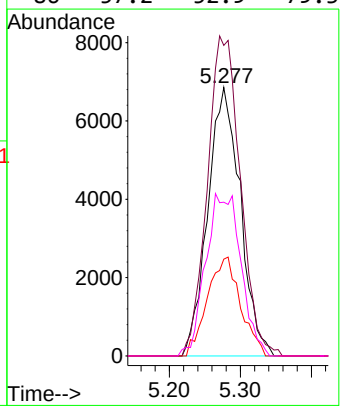


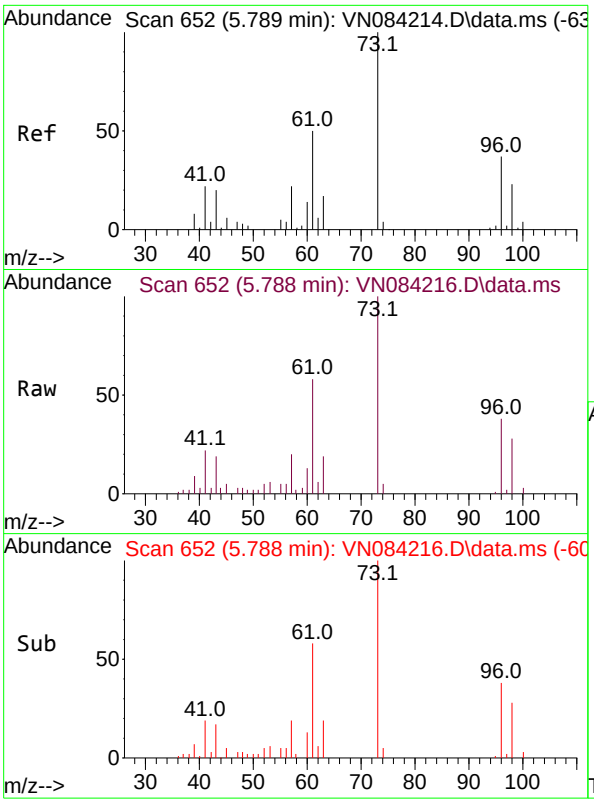


#20
Methylene Chloride
Concen: 9.554 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 84 Resp: 21801

Ion	Ratio	Lower	Upper
84	100		
49	115.7	107.2	160.8
51	36.0	31.8	47.8
86	57.2	52.9	79.3



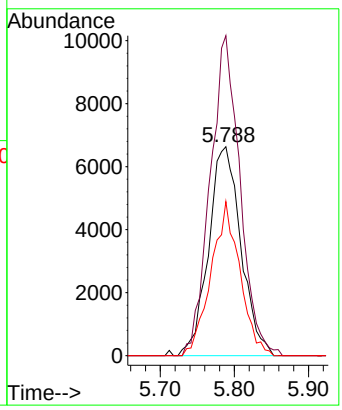


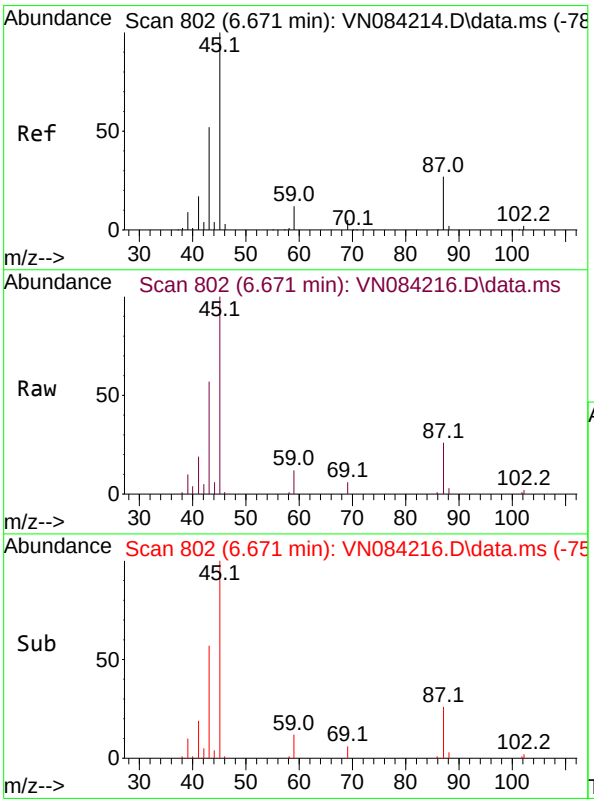
#21
trans-1,2-Dichloroethene
Concen: 9.672 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 20107

Ion	Ratio	Lower	Upper
96	100		
61	153.1	108.4	162.6
98	73.7	49.8	74.8

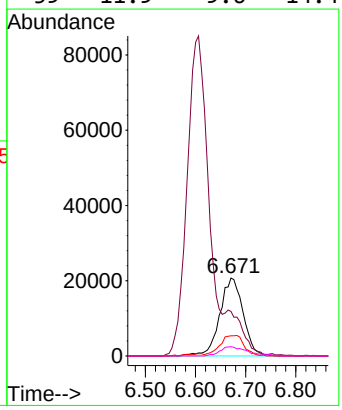


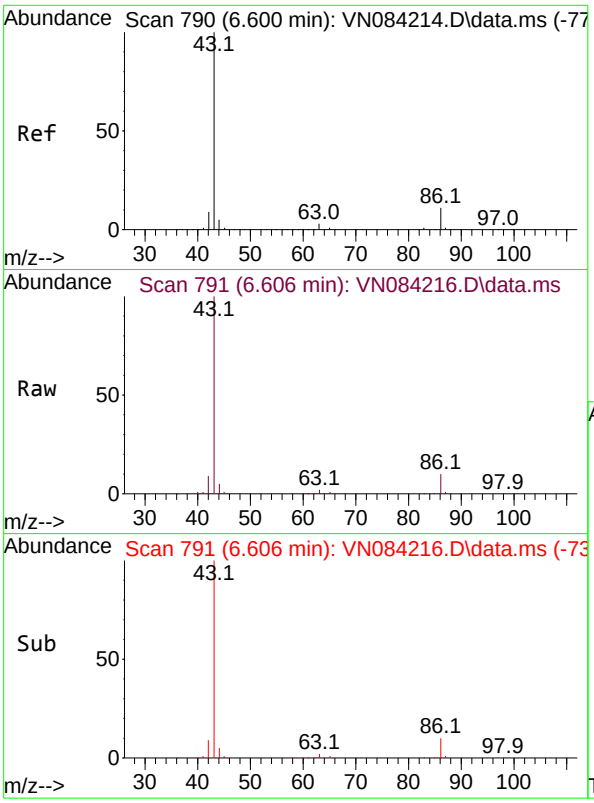


#22
Diisopropyl ether
Concen: 9.393 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 45 Resp: 66959

Ion	Ratio	Lower	Upper
45	100		
43	55.7	42.3	63.5
87	25.9	21.8	32.6
59	11.9	9.6	14.4



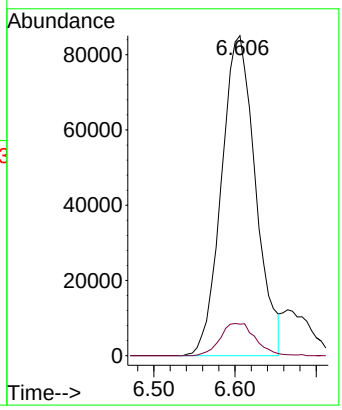


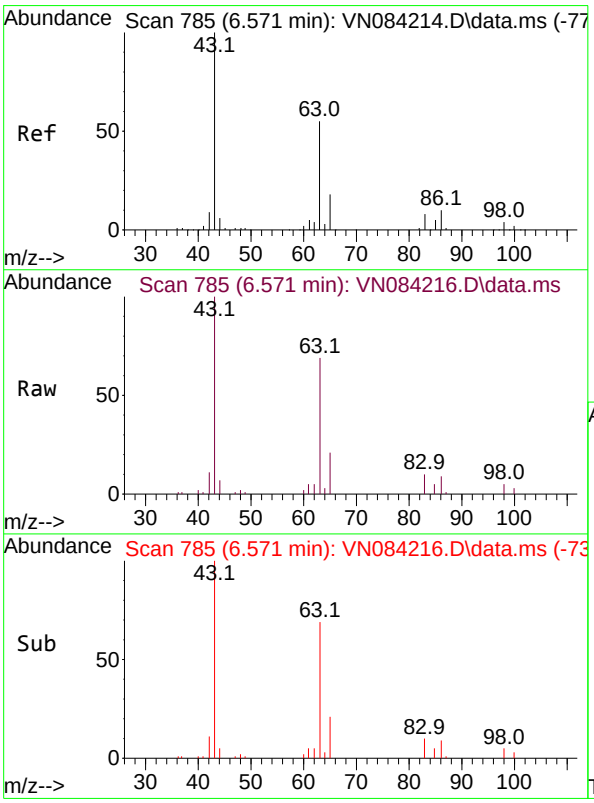
#23
Vinyl Acetate
Concen: 46.769 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 248594

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8

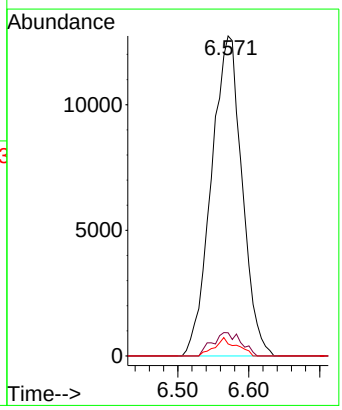


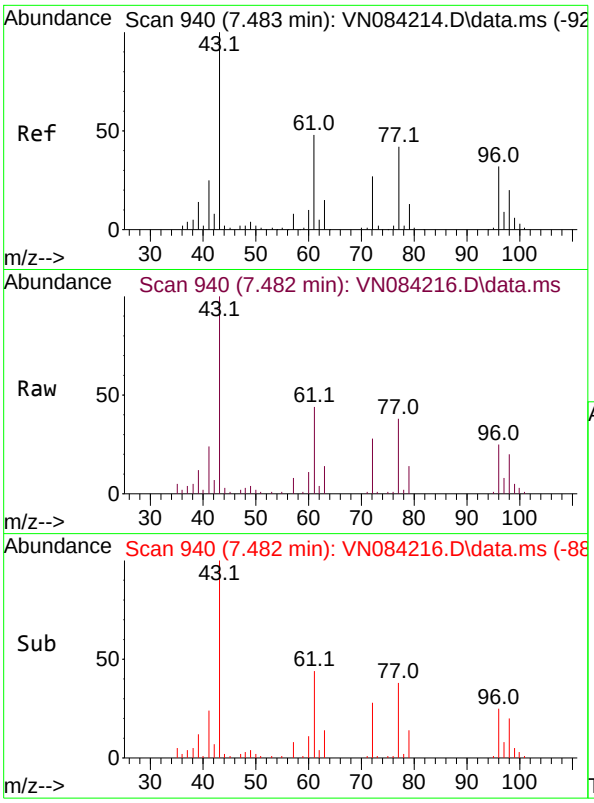


#24
1,1-Dichloroethane
Concen: 9.586 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 38215

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	3.8	2.0	5.8



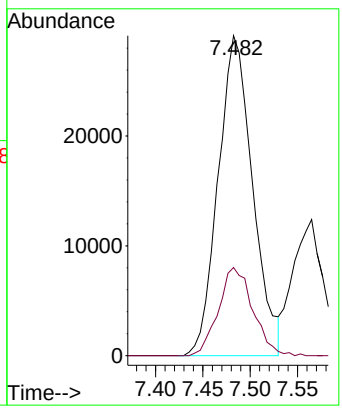


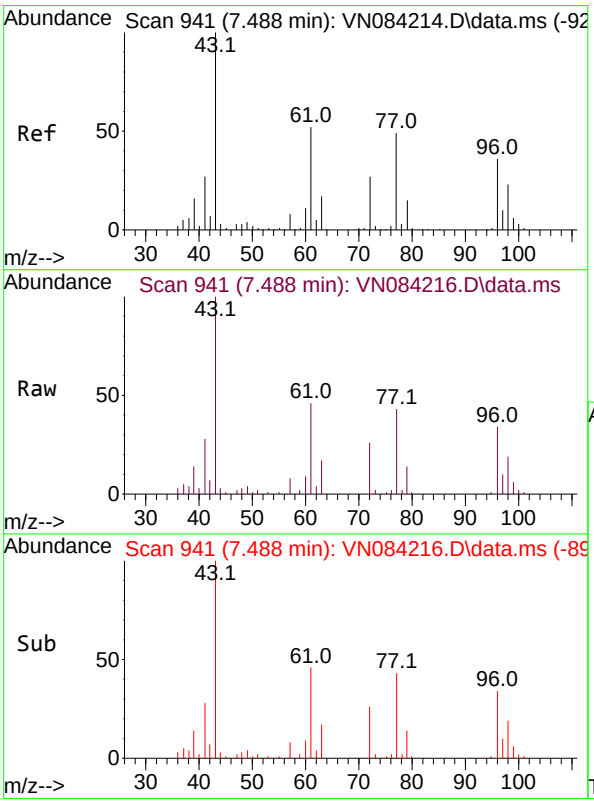
#25
2-Butanone
Concen: 48.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 73877

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2

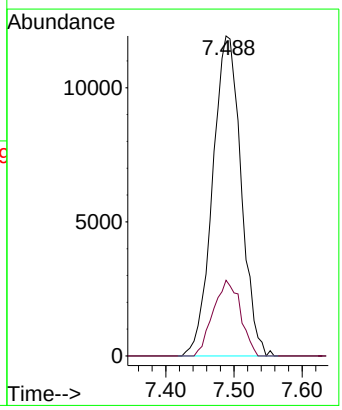


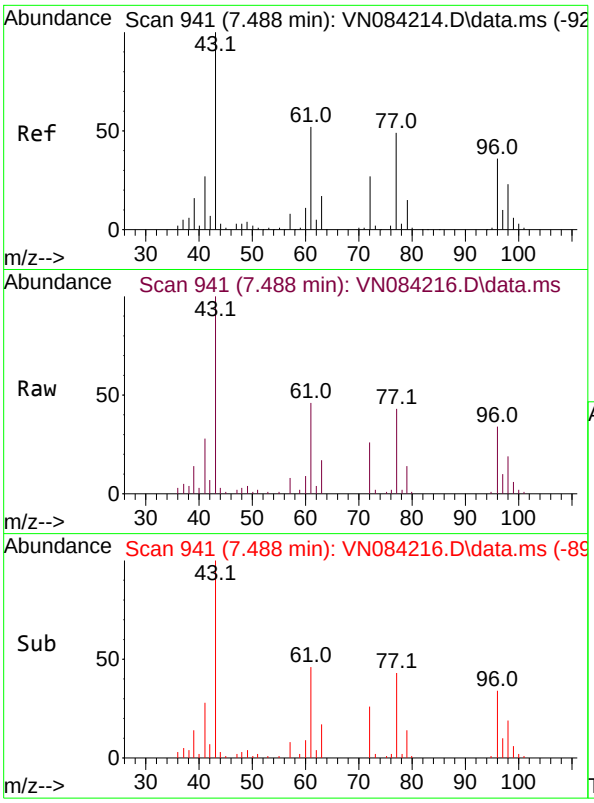


#26
2,2-Dichloropropane
Concen: 9.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 77 Resp: 34655

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3



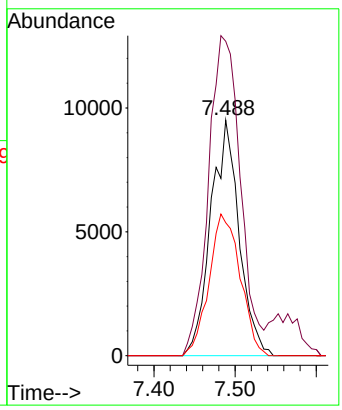


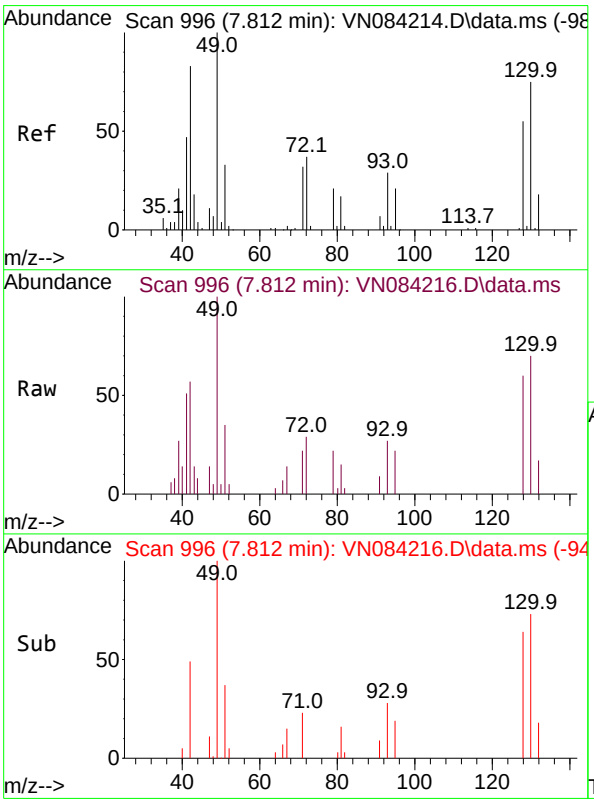
#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 23095

Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	301.8
98	66.0	0.0	128.2

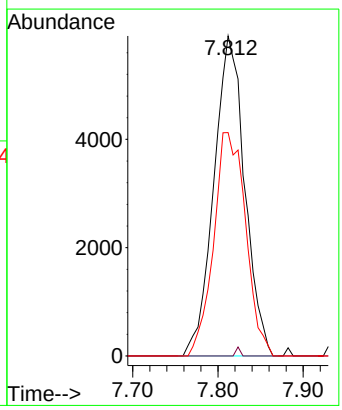


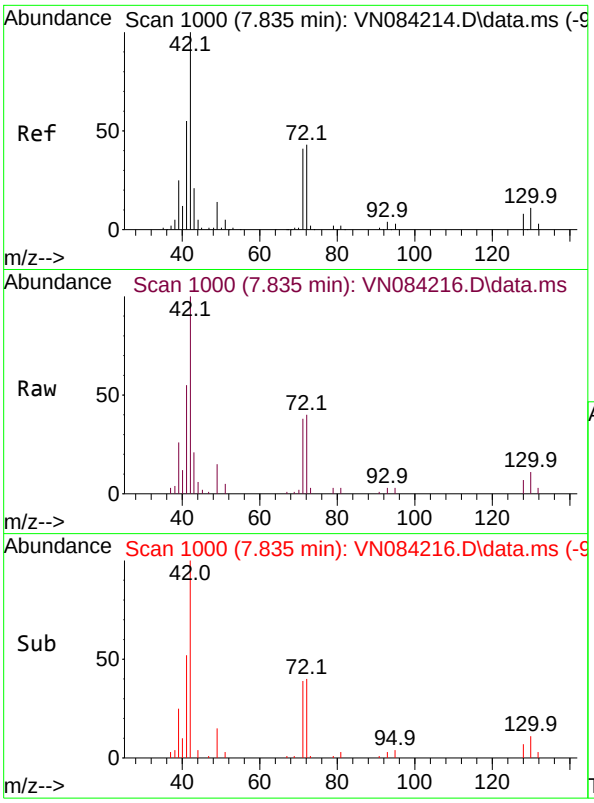


#28
Bromochloromethane
Concen: 8.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 49 Resp: 14904

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.6
130	72.3	58.0	87.0



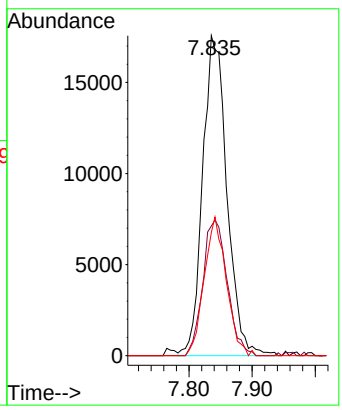


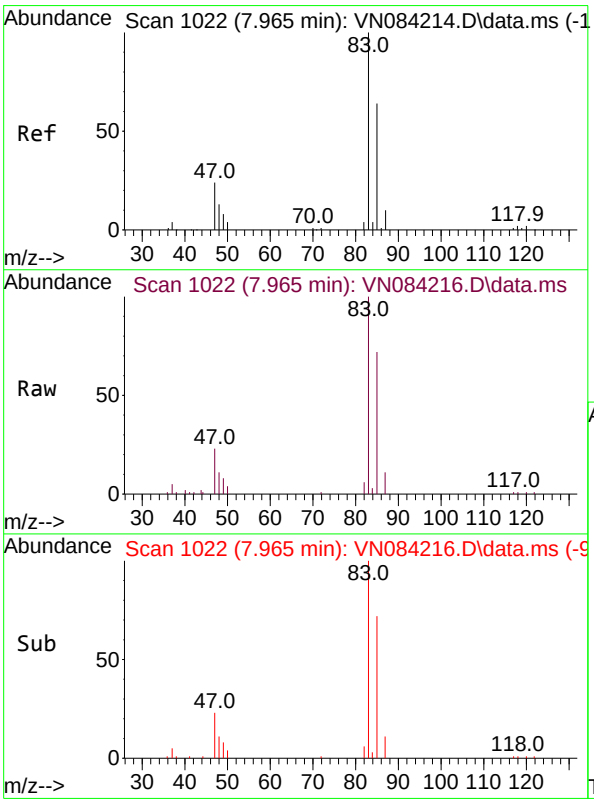
#29
Tetrahydrofuran
Concen: 49.725 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 46917

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	51.8
71	39.5	32.2	48.4

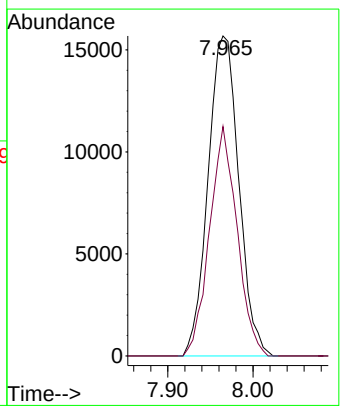


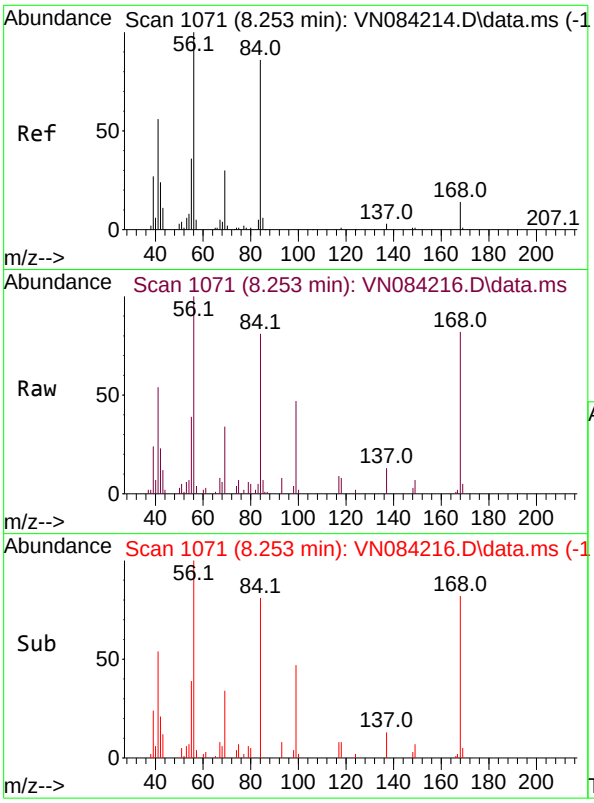


#30
Chloroform
Concen: 9.504 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 39355

Ion	Ratio	Lower	Upper
83	100		
85	71.7	51.0	76.4



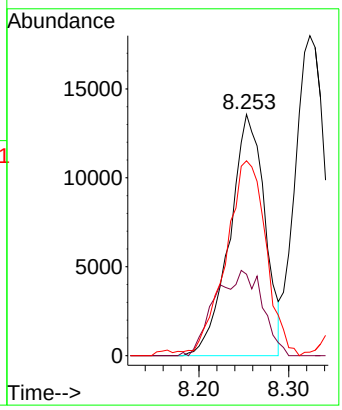


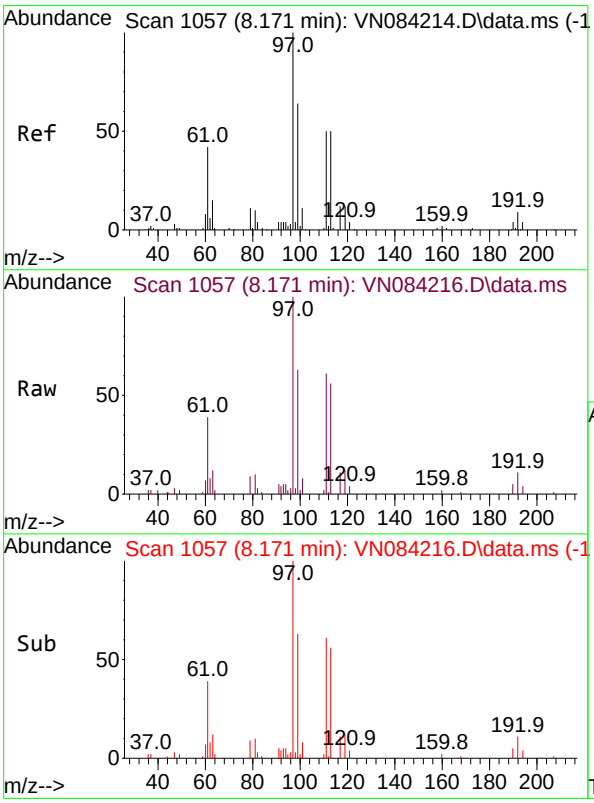
#31
Cyclohexane
Concen: 9.538 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 36916

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.6
84	79.0	68.8	103.2

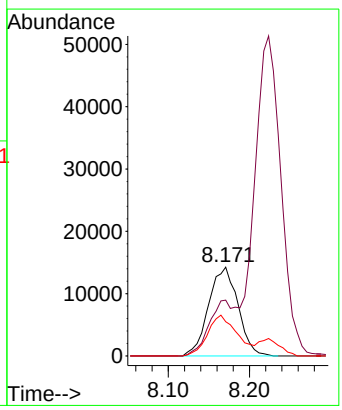


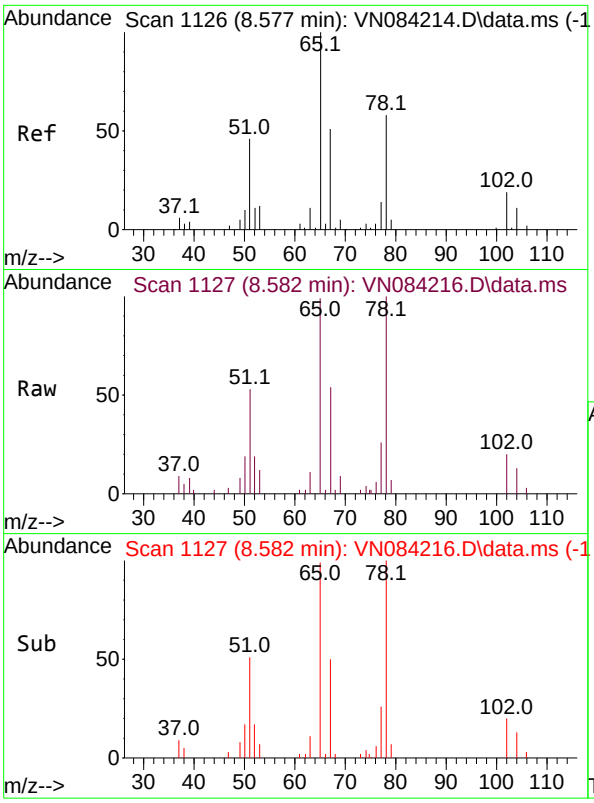


#32
1,1,1-Trichloroethane
Concen: 9.645 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 97 Resp: 35869

Ion	Ratio	Lower	Upper
97	100		
99	46.3	51.2	76.8#
61	46.7	37.5	56.3



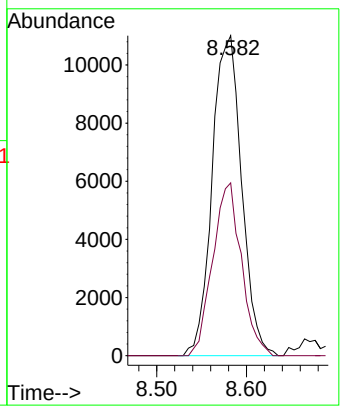


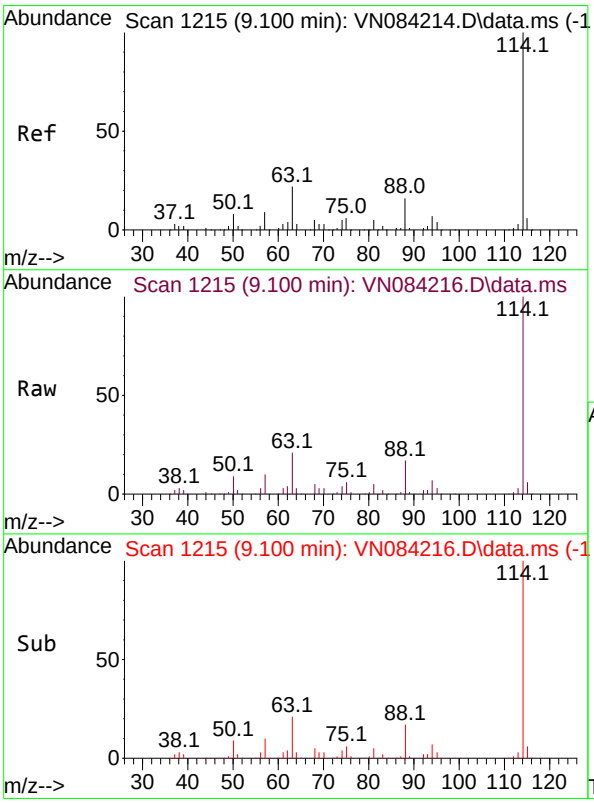
#33
1,2-Dichloroethane-d4
Concen: 9.599 ug/l
RT: 8.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25083

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0

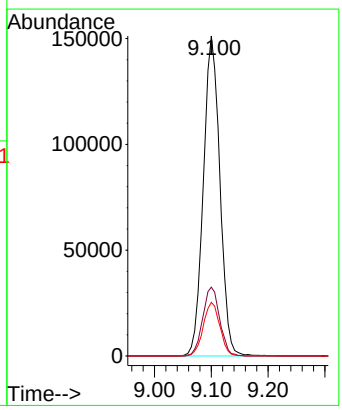


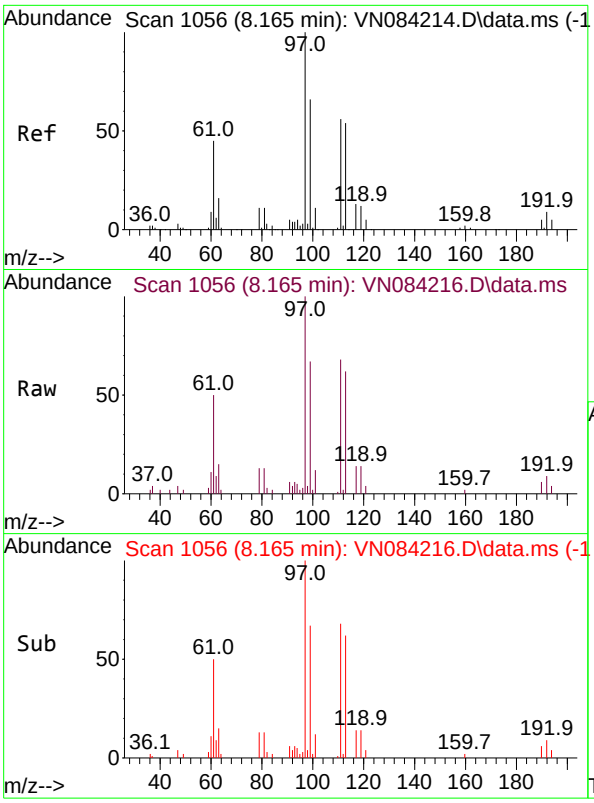


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:114 Resp: 304981

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	16.7	0.0	31.6



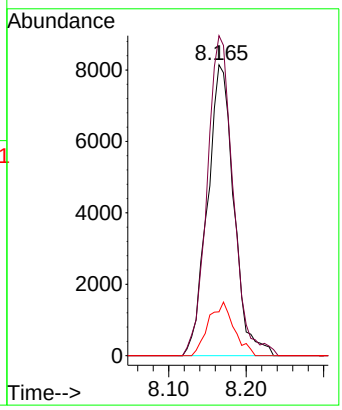


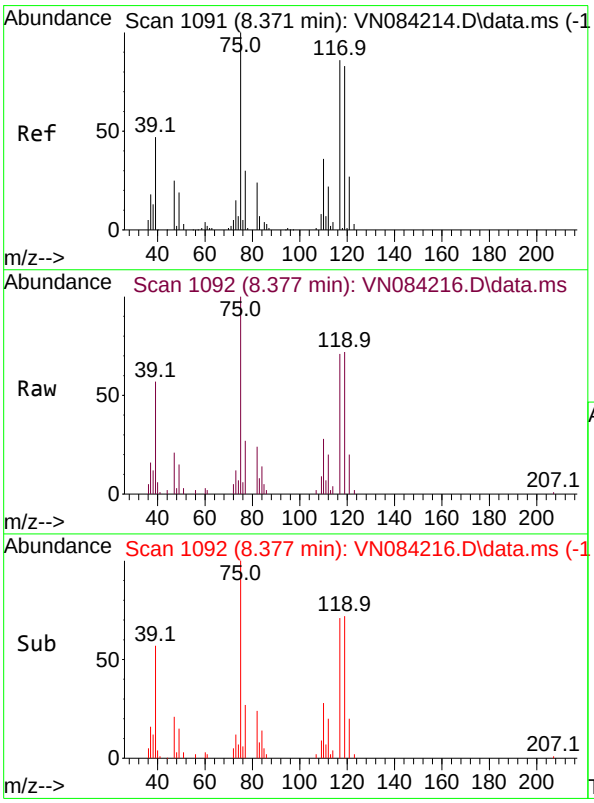
#35
Dibromofluoromethane
Concen: 9.594 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 19289

Ion	Ratio	Lower	Upper
113	100		
111	108.7	83.3	124.9
192	17.7	13.5	20.3

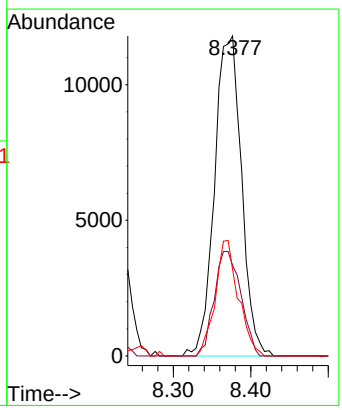


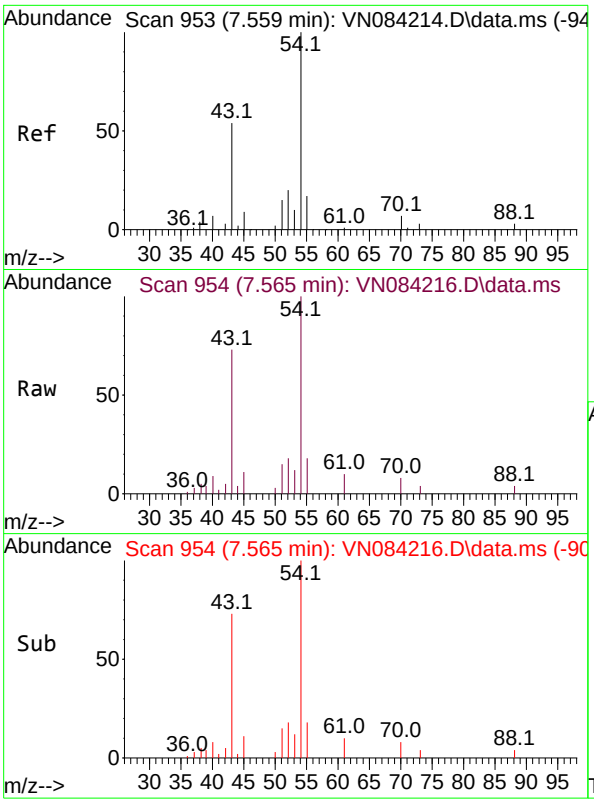


#36
1,1-Dichloropropene
Concen: 9.767 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 28525

Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.9	50.7
77	31.0	24.7	37.1



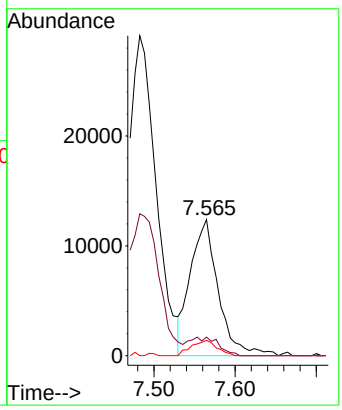


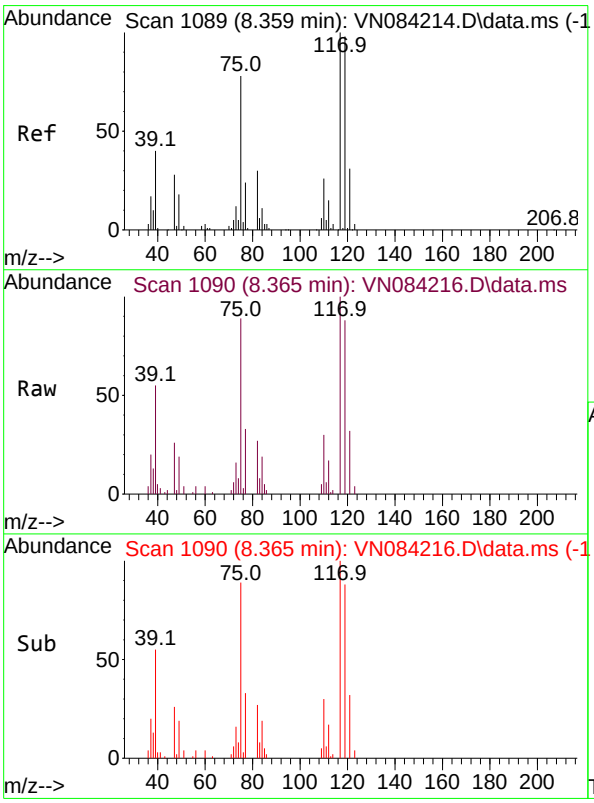
#37
Ethyl Acetate
Concen: 9.931 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 29754

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	10.2	8.8	13.2

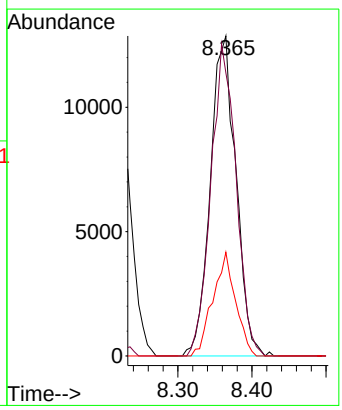


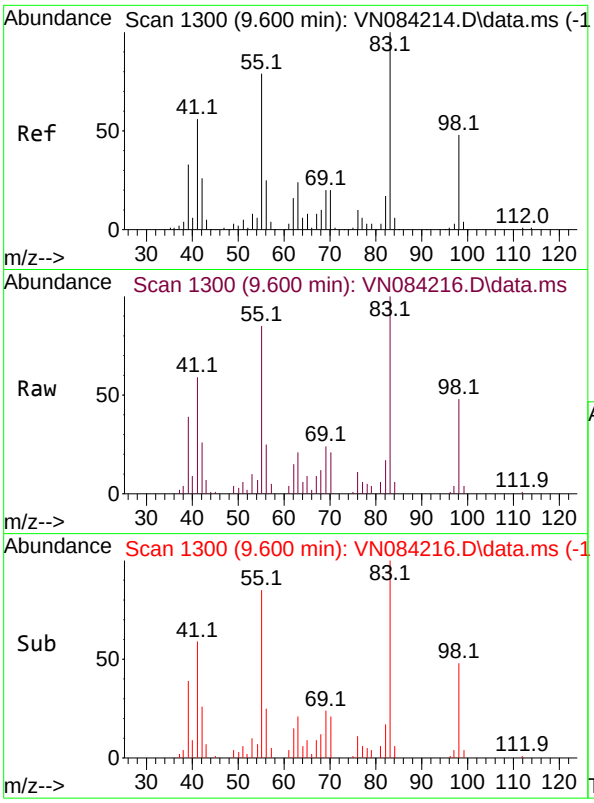


#38
Carbon Tetrachloride
Concen: 9.665 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 30964

Ion	Ratio	Lower	Upper
117	100		
119	88.4	78.7	118.1
121	32.4	24.4	36.6



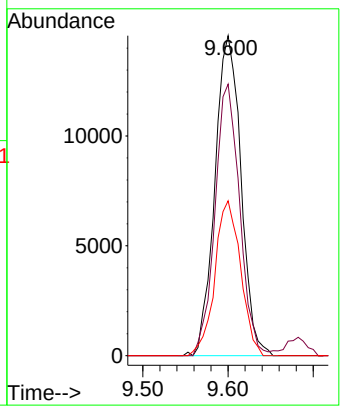


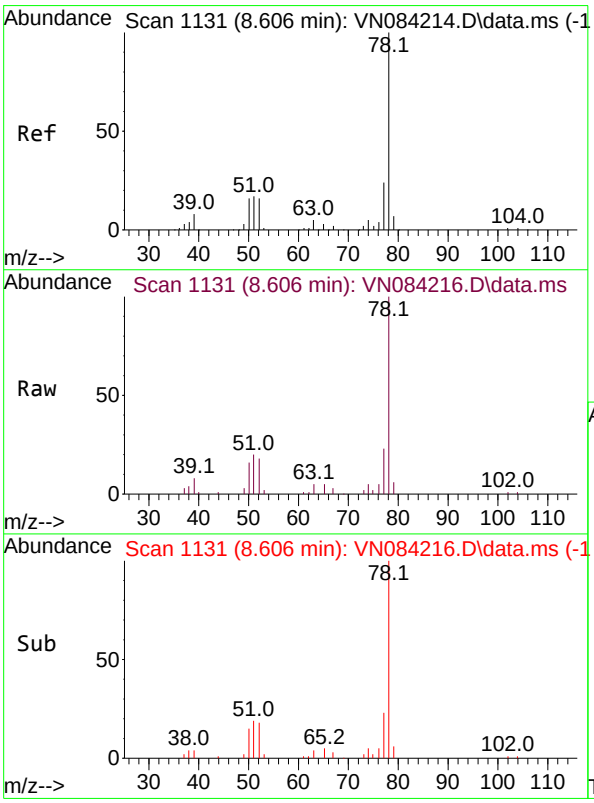
#39
Methylcyclohexane
Concen: 9.516 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30932

Ion	Ratio	Lower	Upper
83	100		
55	84.9	62.8	94.2
98	48.4	38.8	58.2

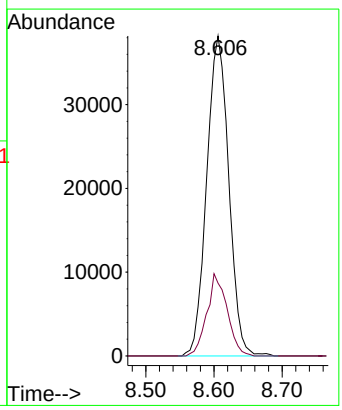


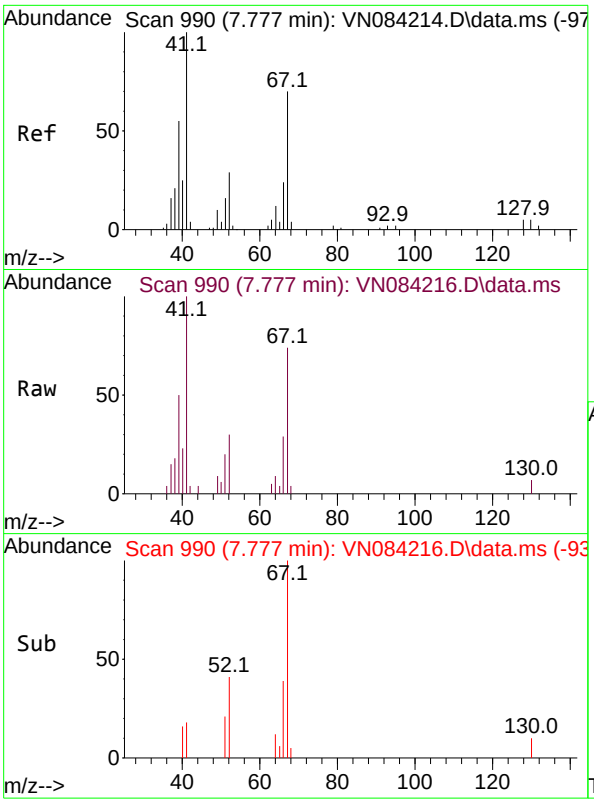


#40
Benzene
Concen: 9.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 78 Resp: 86029

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7



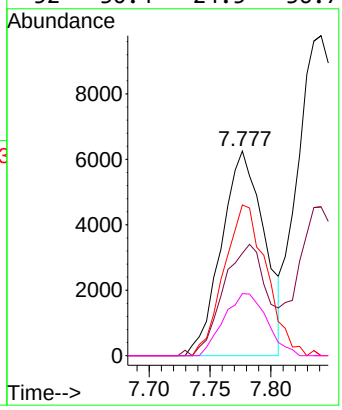


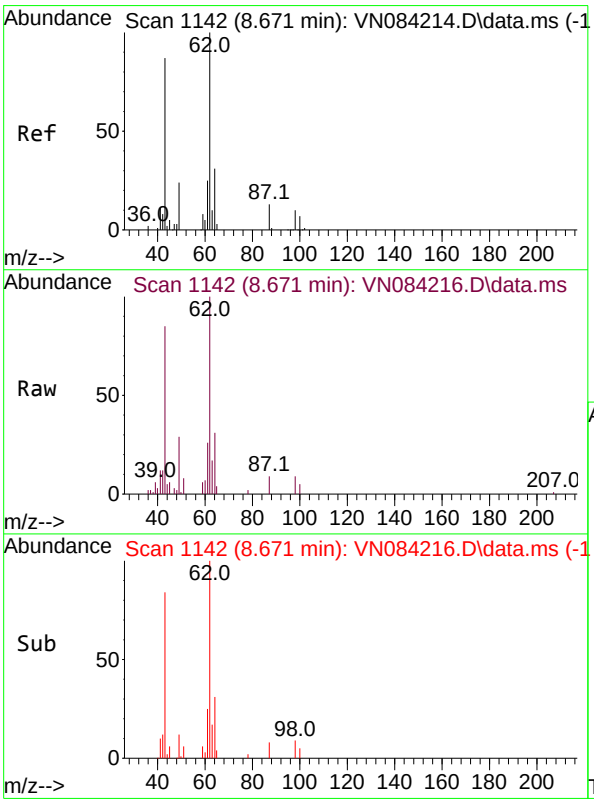
#41
Methacrylonitrile
Concen: 9.426 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 15332

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.0	56.1	84.1
52	30.4	24.5	36.7

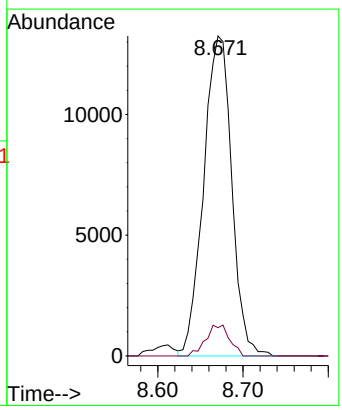


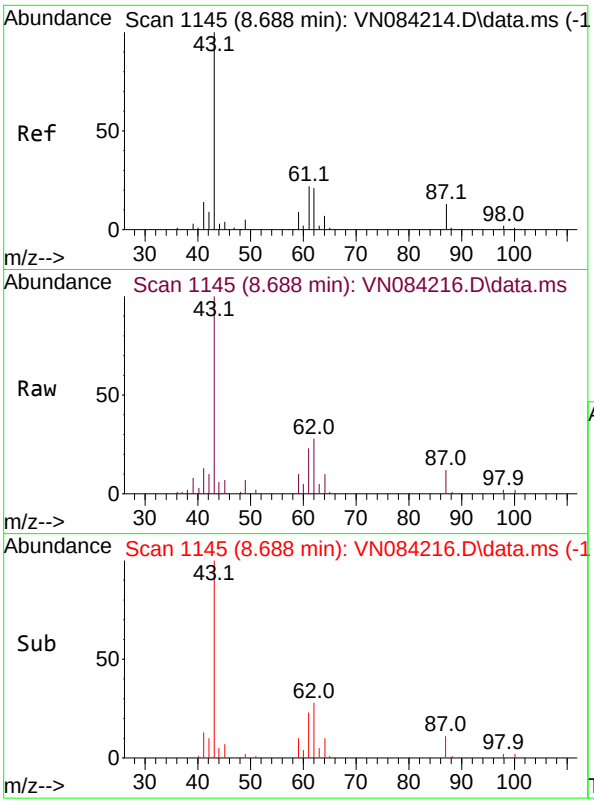


#42
1,2-Dichloroethane
Concen: 9.855 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 30402

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2



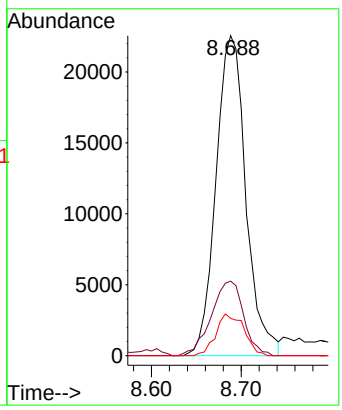


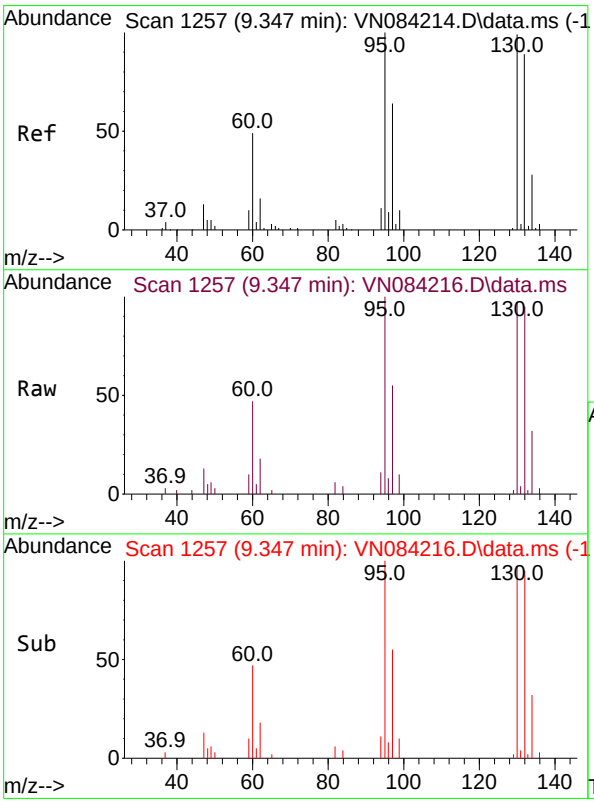
#43
Isopropyl Acetate
Concen: 8.906 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 52246

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.4	30.6
87	12.3	10.3	15.5

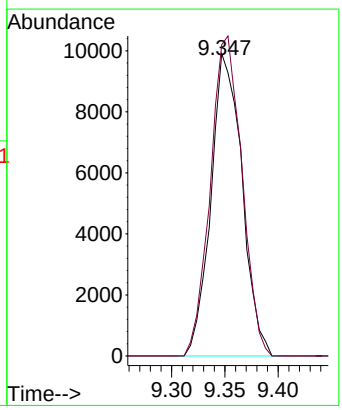


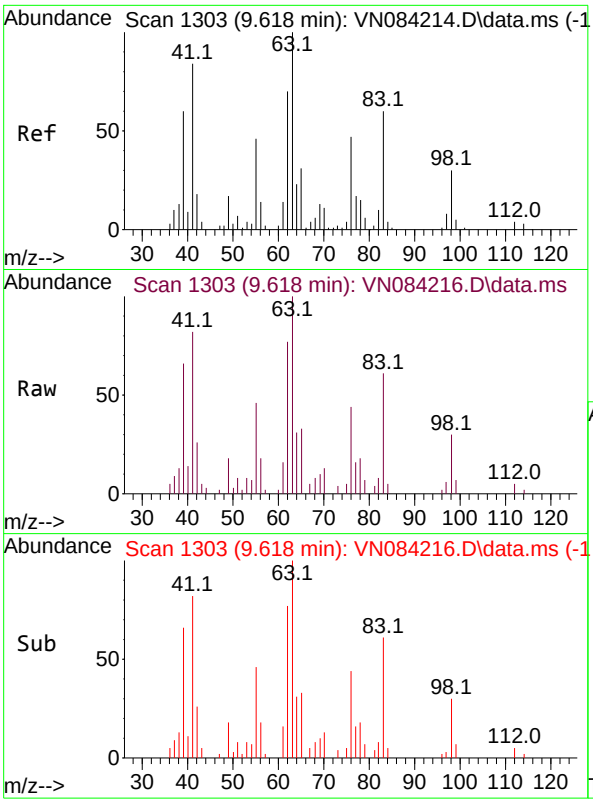


#44
Trichloroethene
Concen: 9.454 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:130 Resp: 20092

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.0



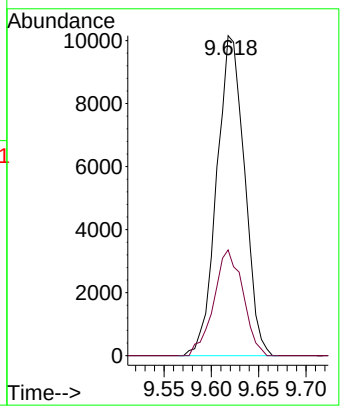


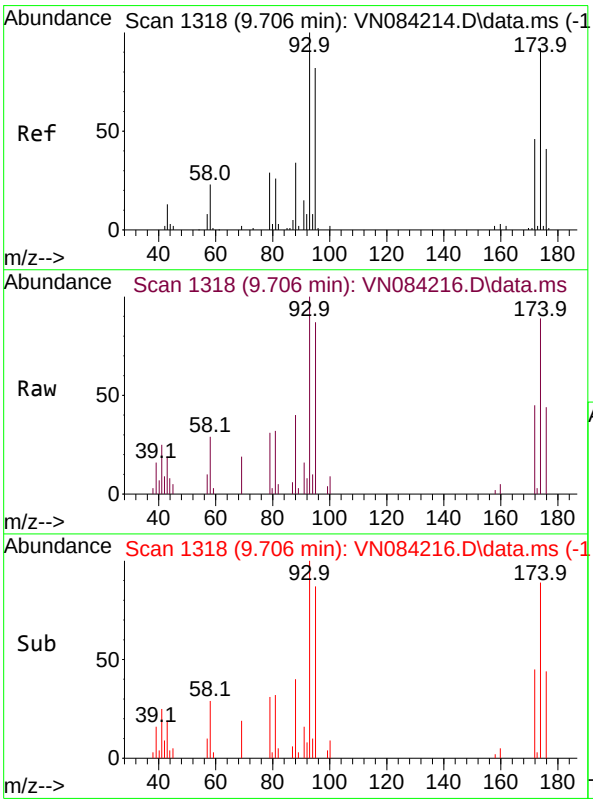
#45
1,2-Dichloropropane
Concen: 9.618 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 20703

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

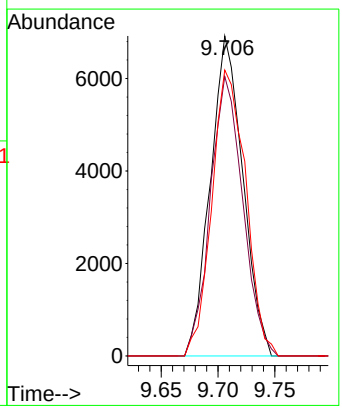


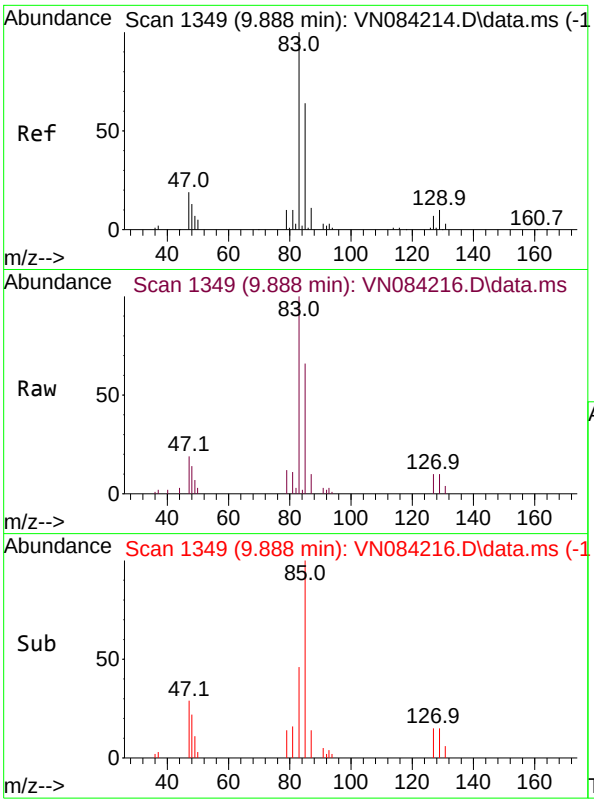


#46
Dibromomethane
Concen: 9.479 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 93 Resp: 13770

Ion	Ratio	Lower	Upper
93	100		
95	87.2	65.0	97.4
174	92.7	71.8	107.8



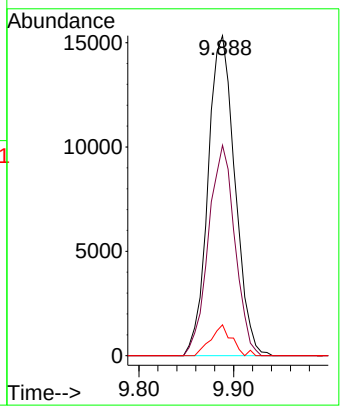


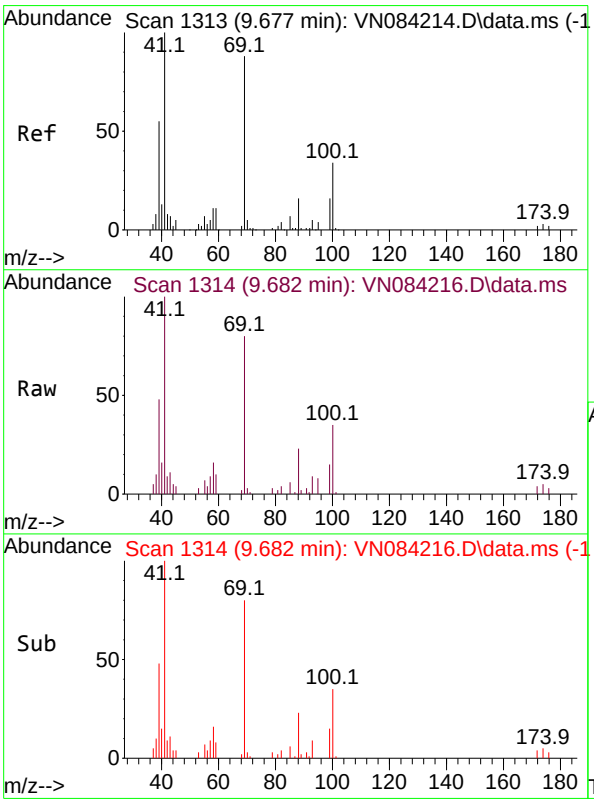
#47
Bromodichloromethane
Concen: 9.385 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30289

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	9.6	5.7	8.5#

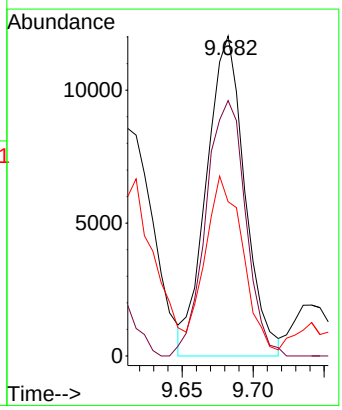


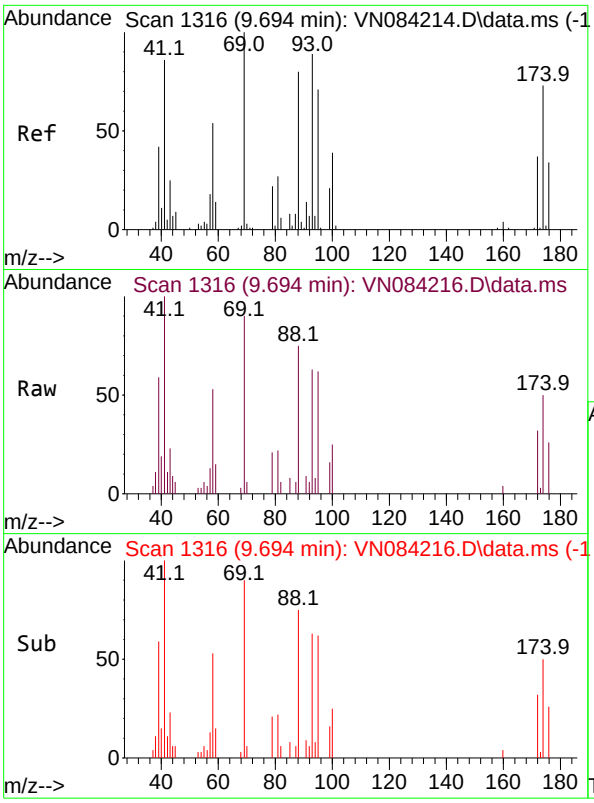


#48
Methyl methacrylate
Concen: 9.679 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 22612

Ion	Ratio	Lower	Upper
41	100		
69	82.7	67.1	100.7
39	55.6	45.8	68.6



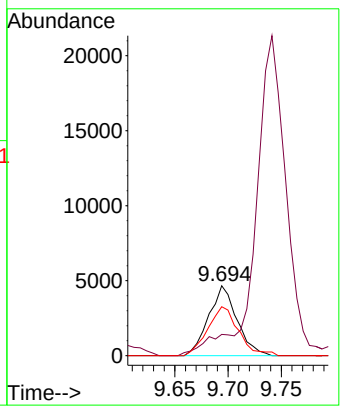


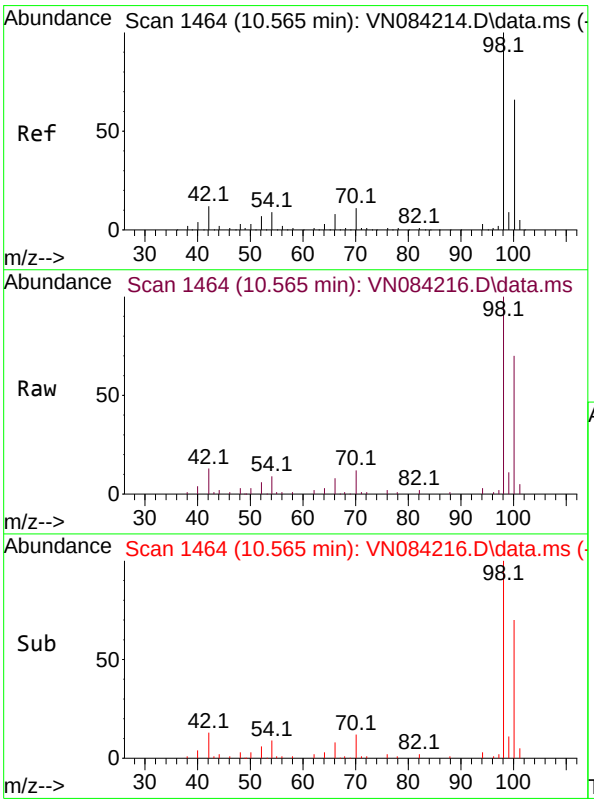
#49
1,4-Dioxane
Concen: 200.587 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 8627

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	76.0	56.4	84.6

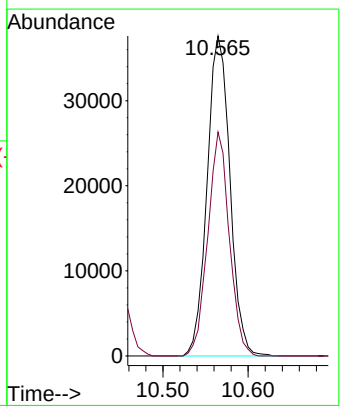


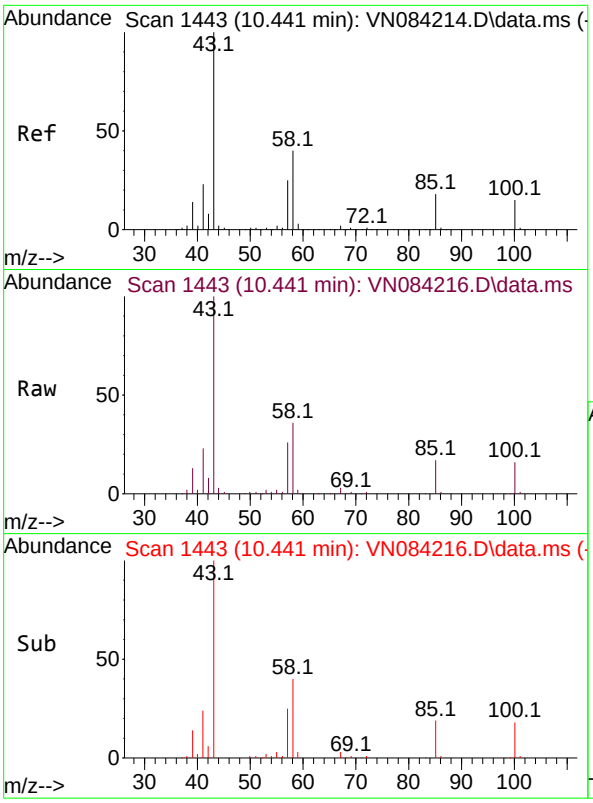


#50
Toluene-d8
Concen: 9.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 98 Resp: 70000

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



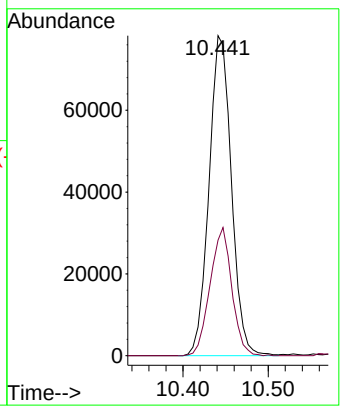


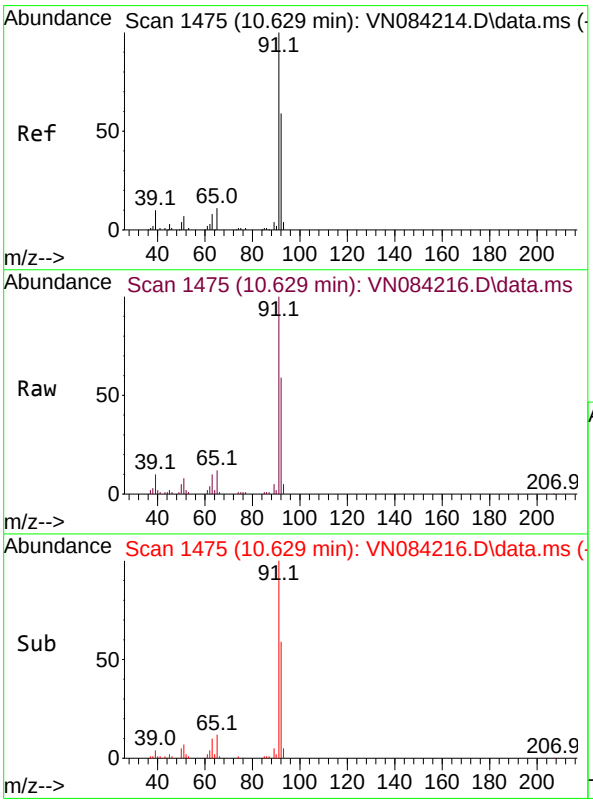
#51
4-Methyl-2-Pentanone
Concen: 50.007 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 142632

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

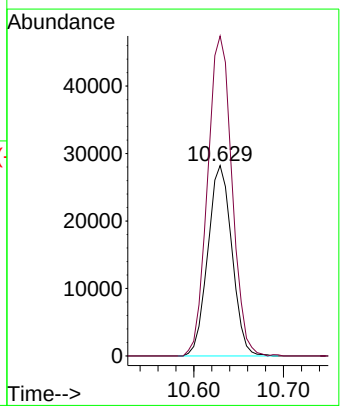


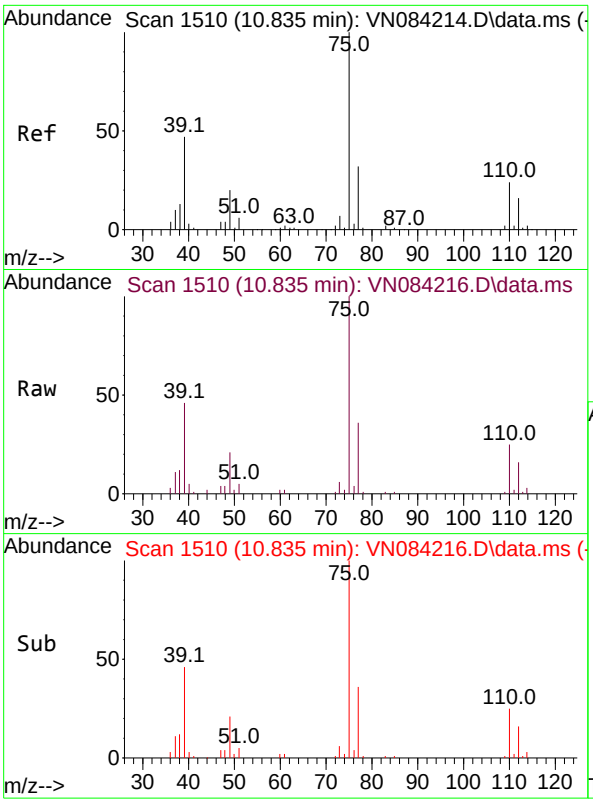


#52
Toluene
Concen: 9.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 92 Resp: 52537

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.3	205.9



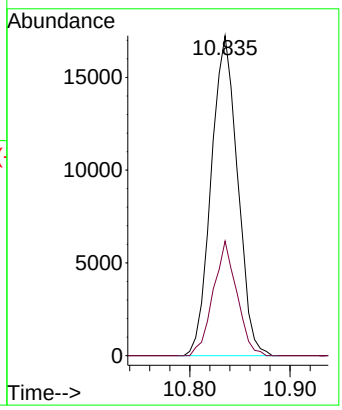


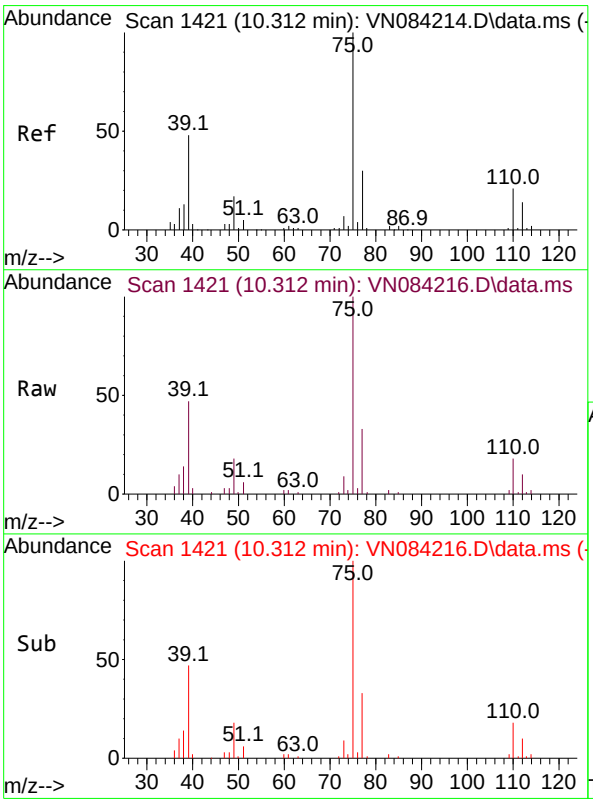
#53
t-1,3-Dichloropropene
Concen: 9.592 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 31555

Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.4	38.0

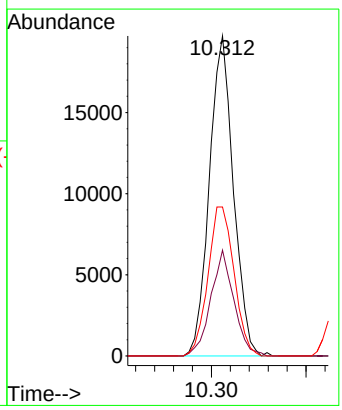


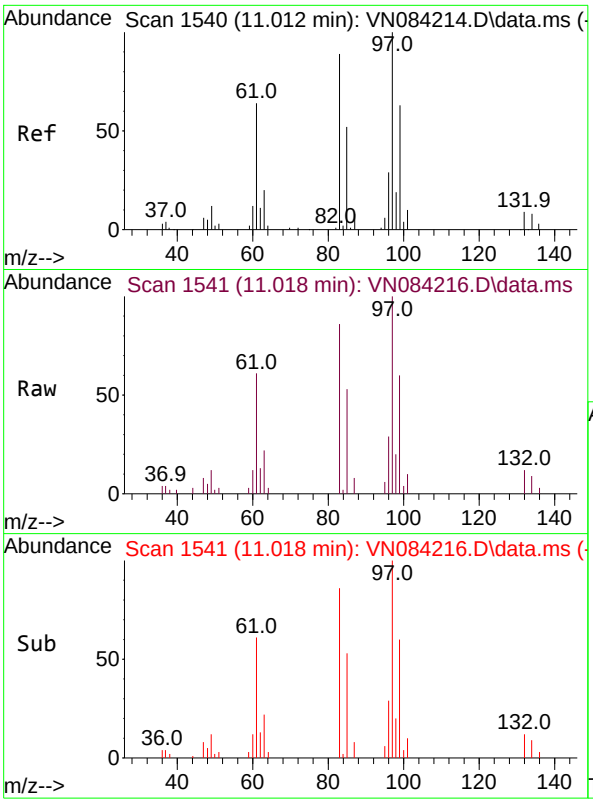


#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 34684

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	46.6	38.7	58.1



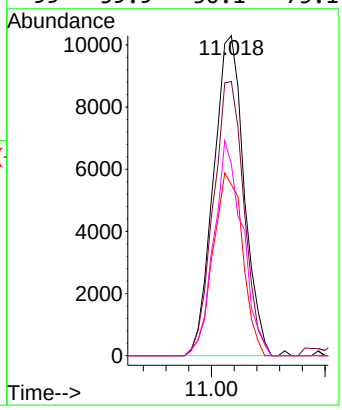


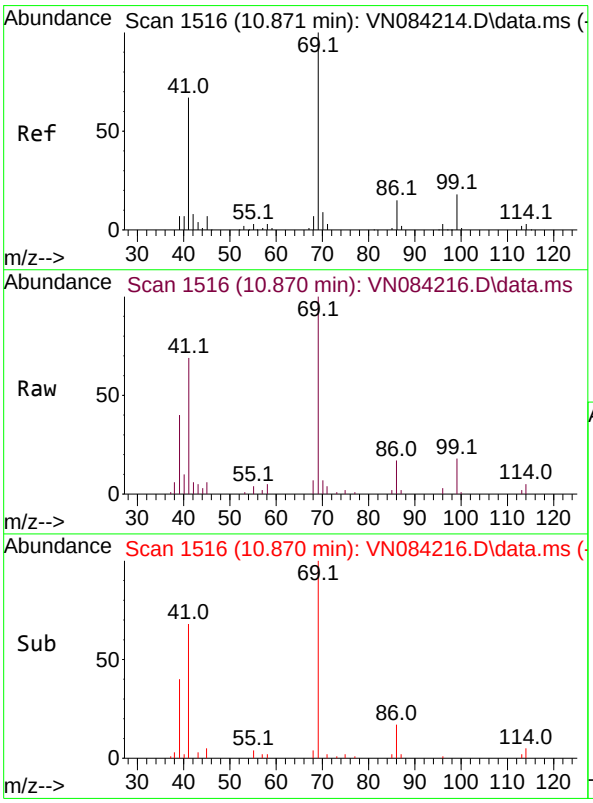
#55
1,1,2-Trichloroethane
Concen: 9.675 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 19245

Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.0	106.4
85	53.5	41.7	62.5
99	59.9	50.1	75.1

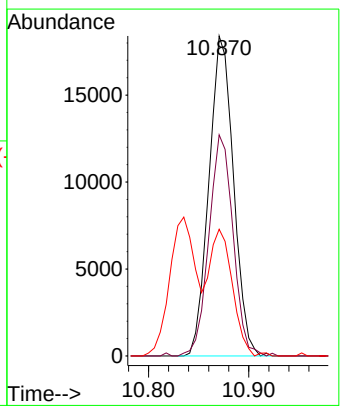


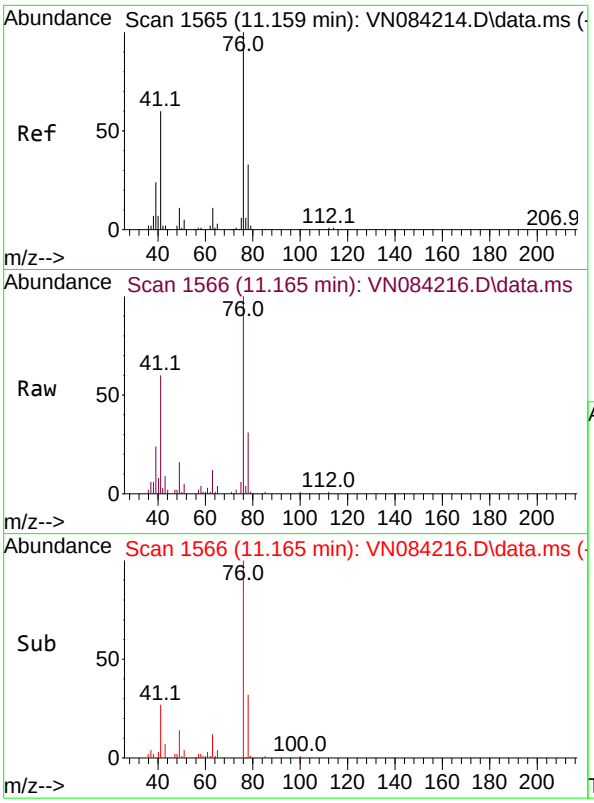


#56
Ethyl methacrylate
Concen: 9.551 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 69 Resp: 31262

Ion	Ratio	Lower	Upper
69	100		
41	68.2	53.3	79.9
39	38.1	28.8	43.2



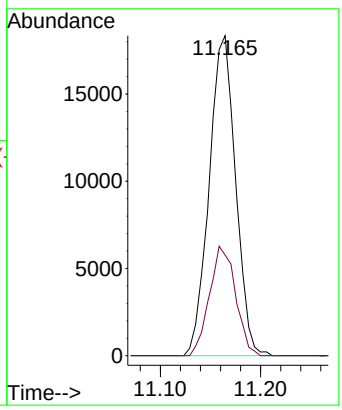


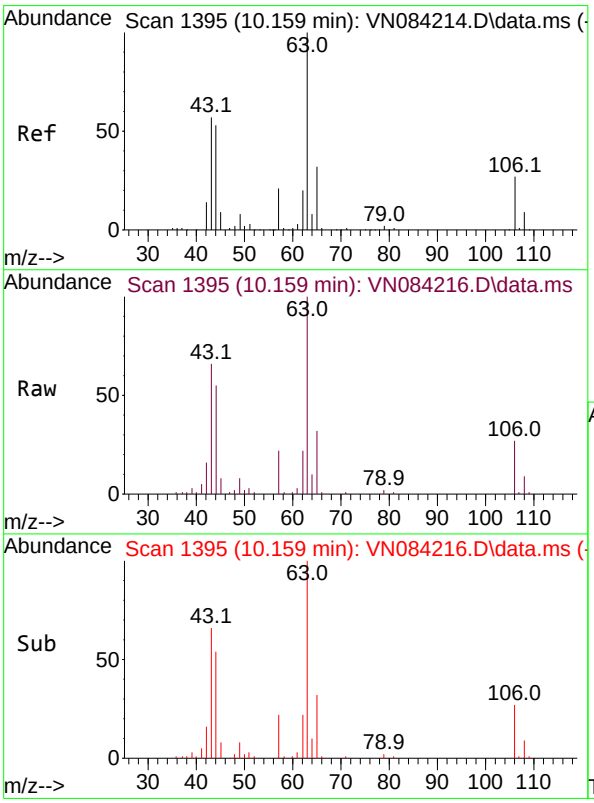
#57
1,3-Dichloropropane
Concen: 9.457 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 33613

Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6

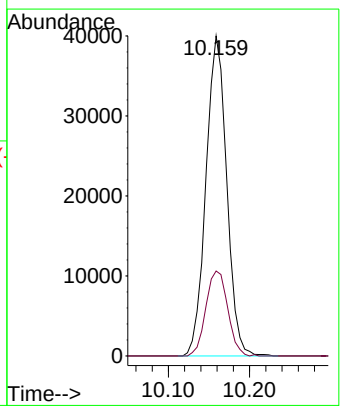


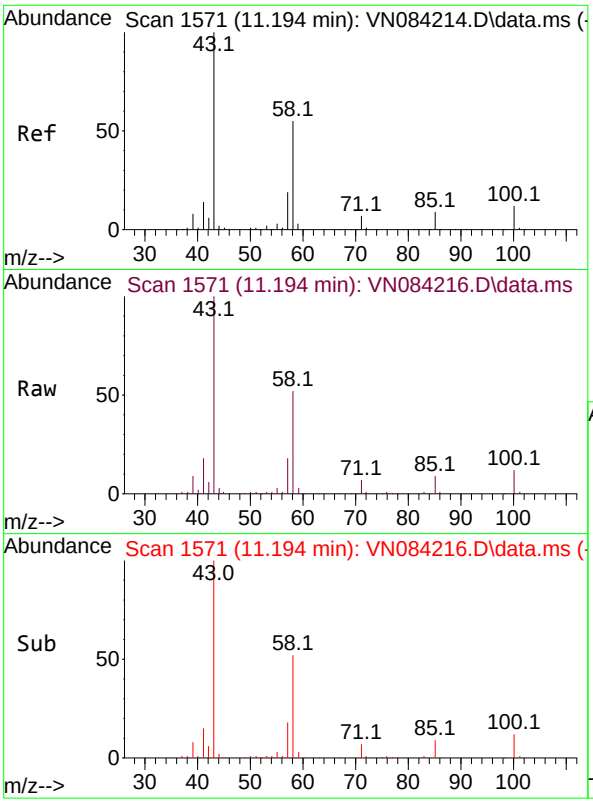


#58
2-Chloroethyl Vinyl ether
Concen: 46.784 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 71035

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6



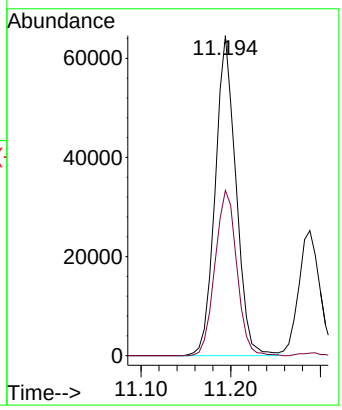


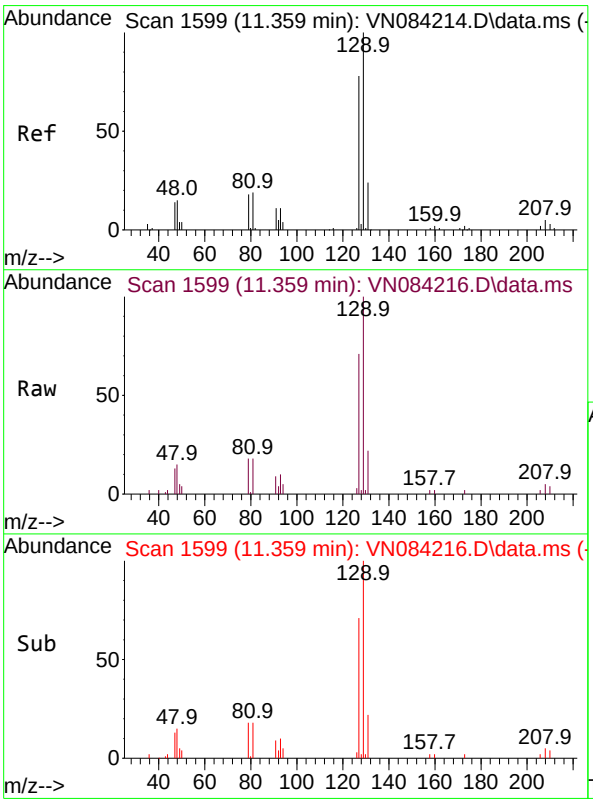
#59
2-Hexanone
Concen: 48.604 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 103615

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.3	81.8

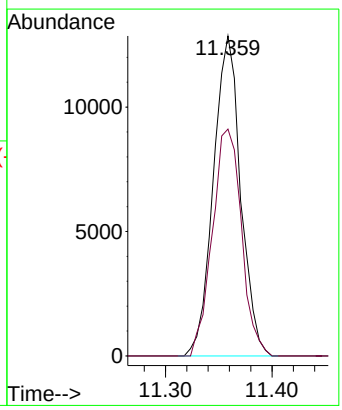


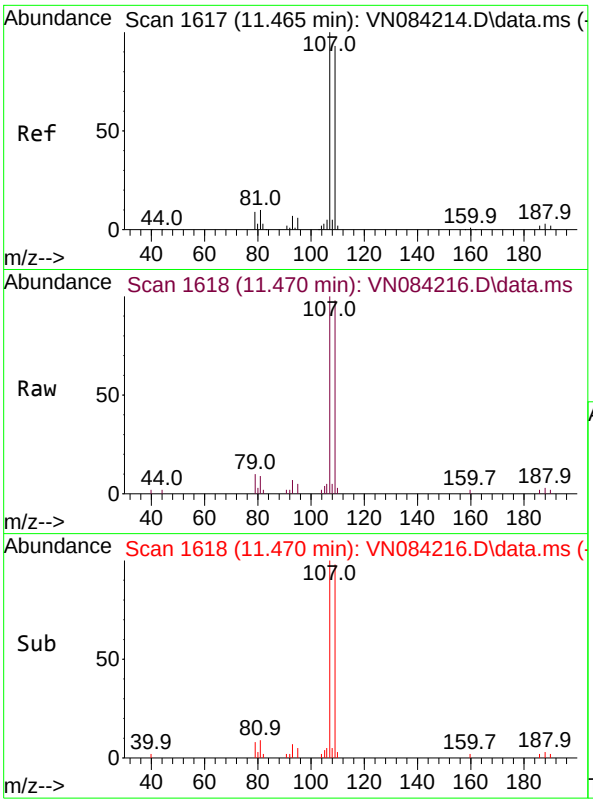


#60
Dibromochloromethane
Concen: 9.715 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:129 Resp: 22833

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9



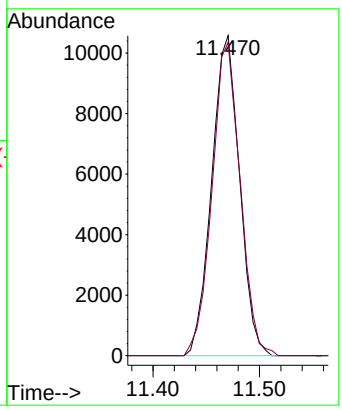


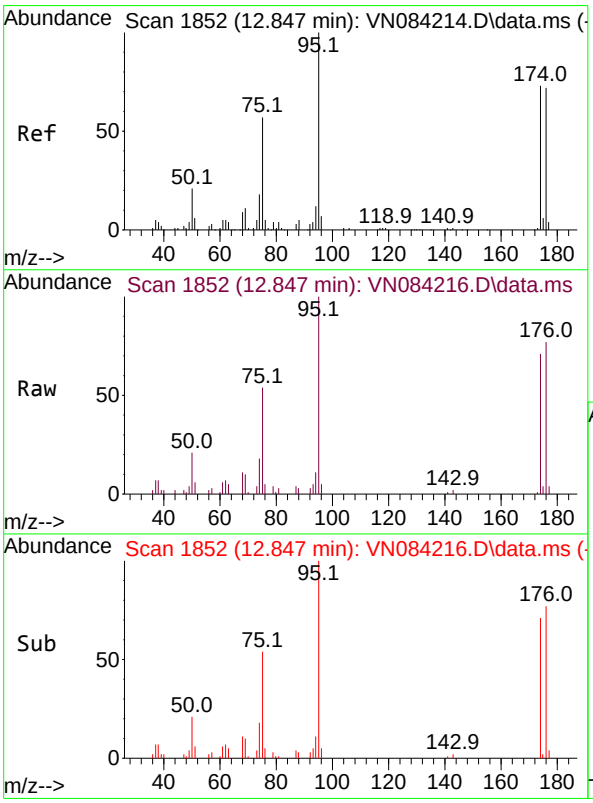
#61
1,2-Dibromoethane
Concen: 9.299 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 19220

Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.4	113.0

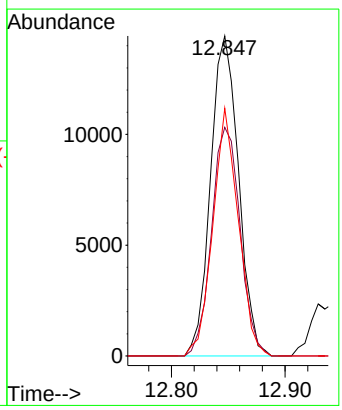


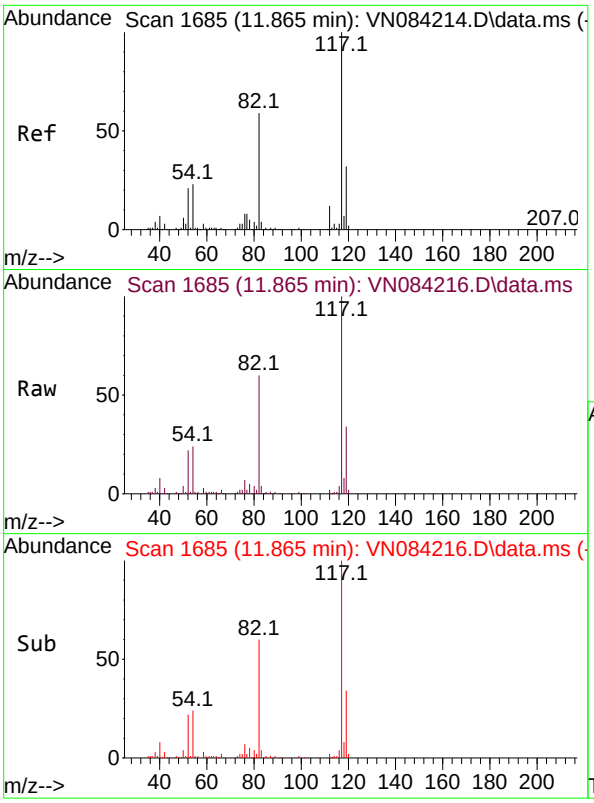


#62
4-Bromofluorobenzene
Concen: 9.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 95 Resp: 24756

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	145.2
176	70.5	0.0	140.0



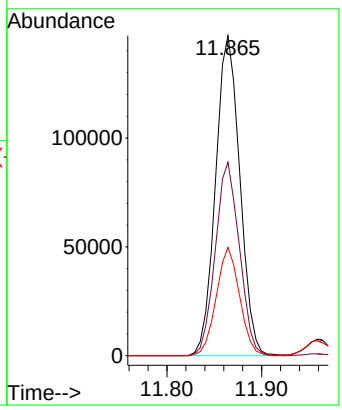


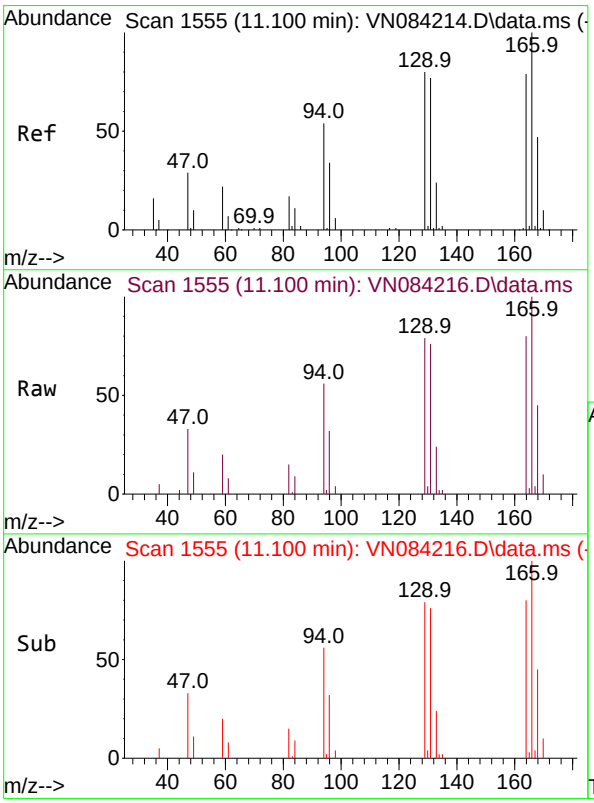
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 262325

Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	33.9	25.4	38.0

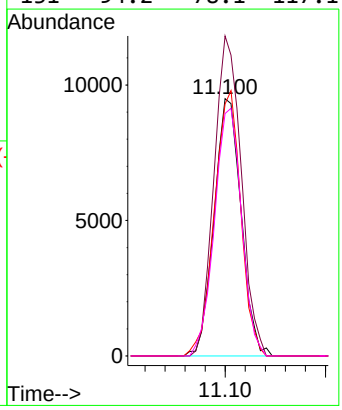


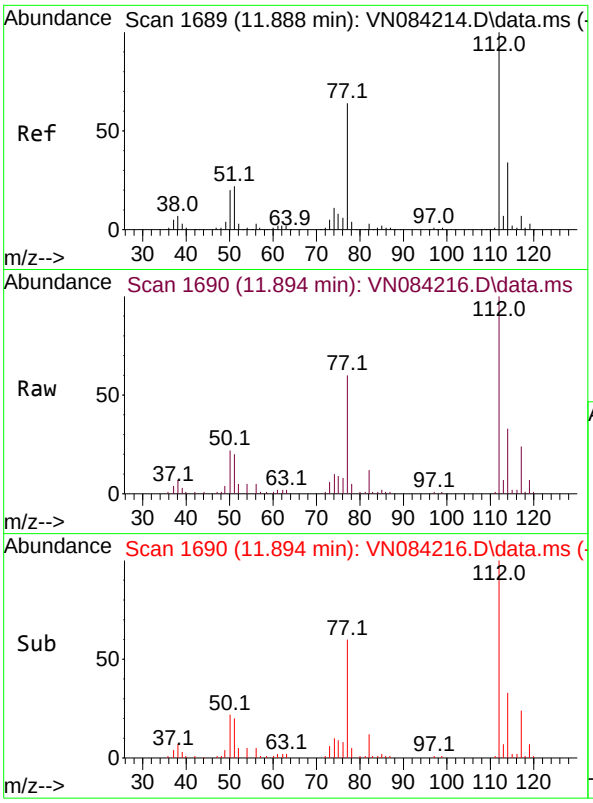


#64
Tetrachloroethene
Concen: 9.711 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:164 Resp: 17743

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.0	151.4
129	98.0	80.8	121.2
131	94.2	78.1	117.1



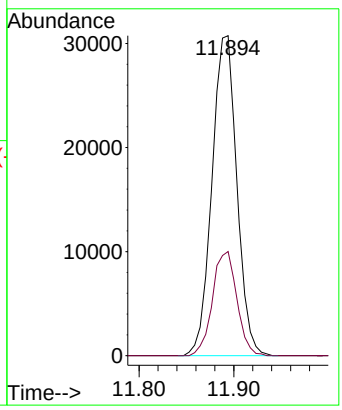


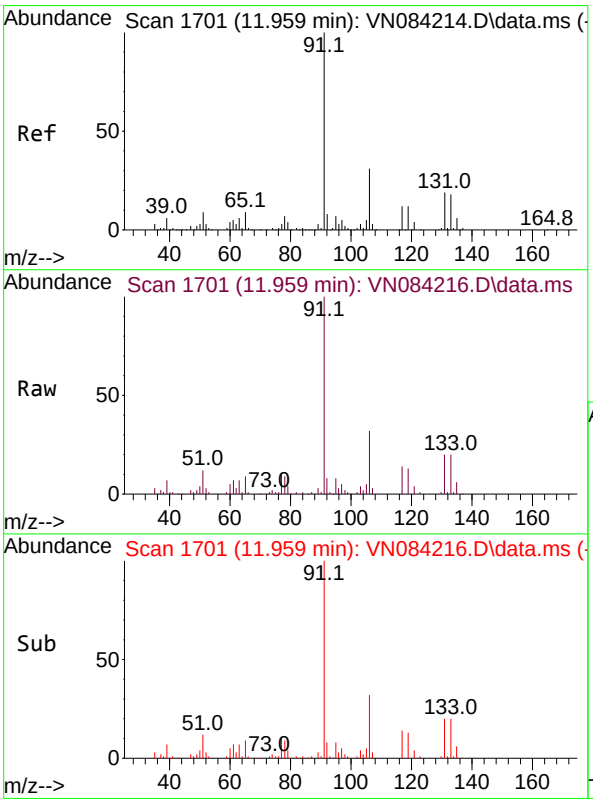
#65
Chlorobenzene
Concen: 9.645 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 56099

Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6

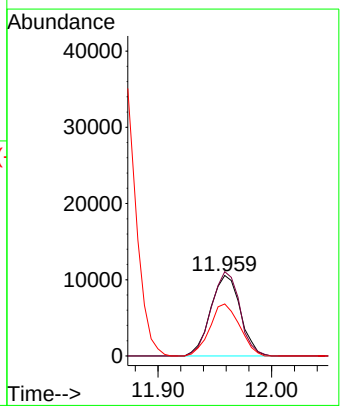


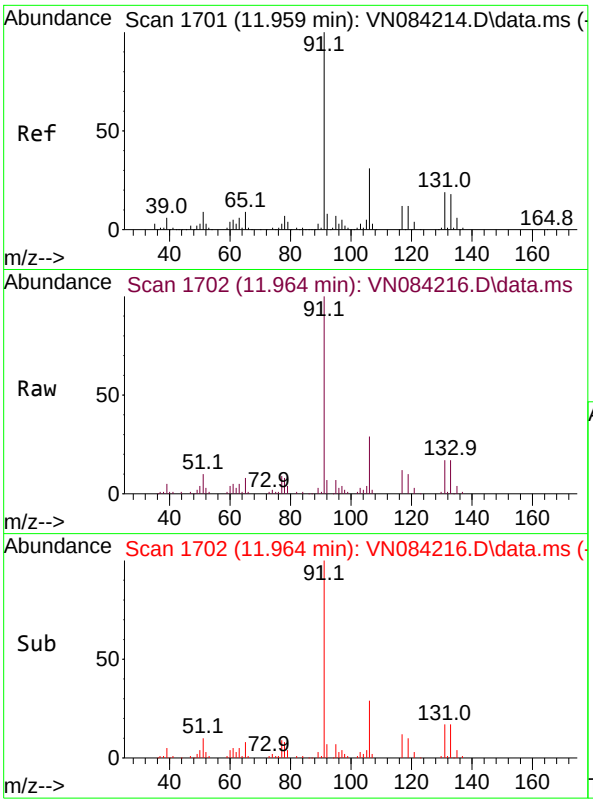


#66
1,1,1,2-Tetrachloroethane
Concen: 9.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:131 Resp: 19227

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.9	143.7
119	64.6	32.8	98.3



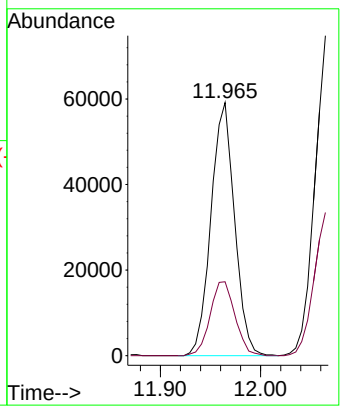


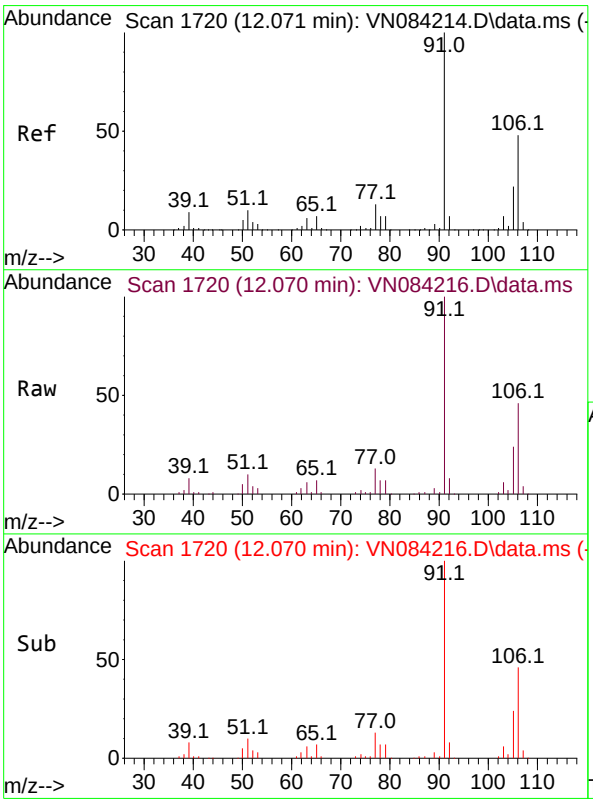
#67
Ethyl Benzene
Concen: 9.385 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 96533

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.5	36.7

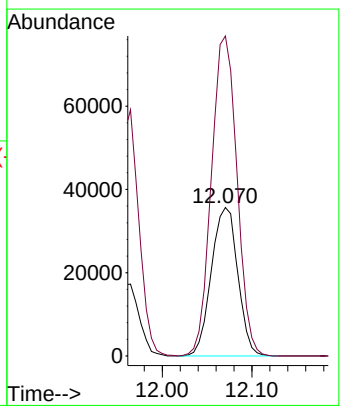


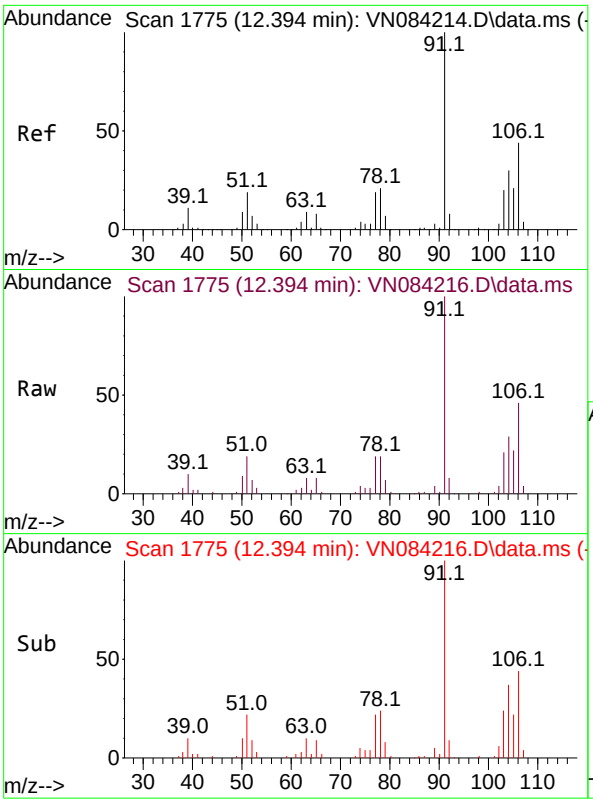


#68
m/p-Xylenes
Concen: 19.162 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 72910

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7



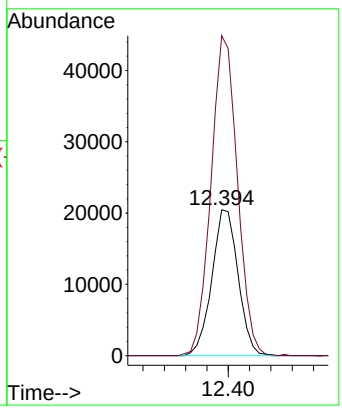


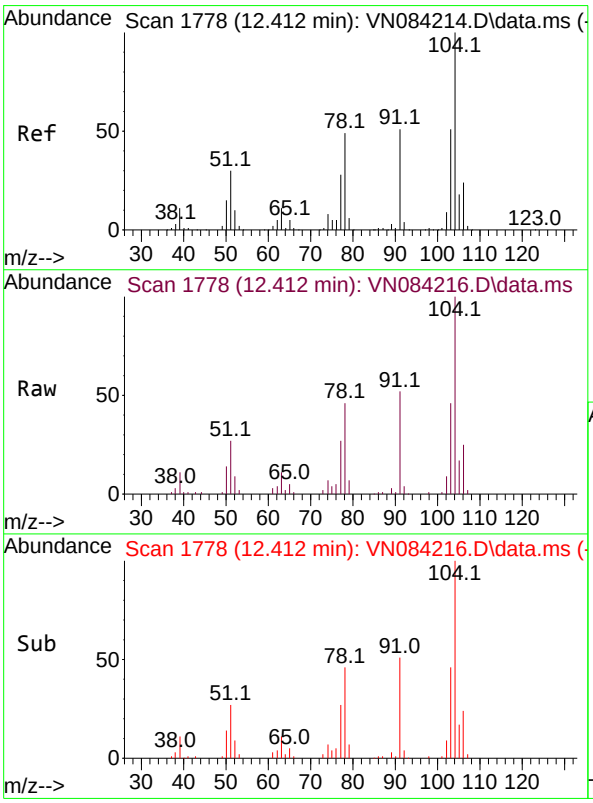
#69
o-Xylene
Concen: 9.713 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 34965

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6

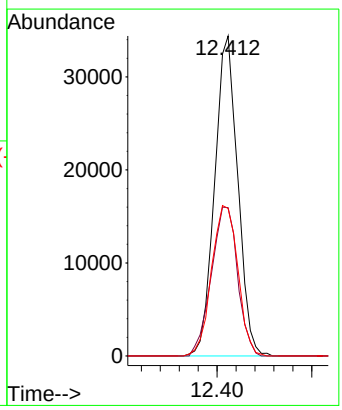


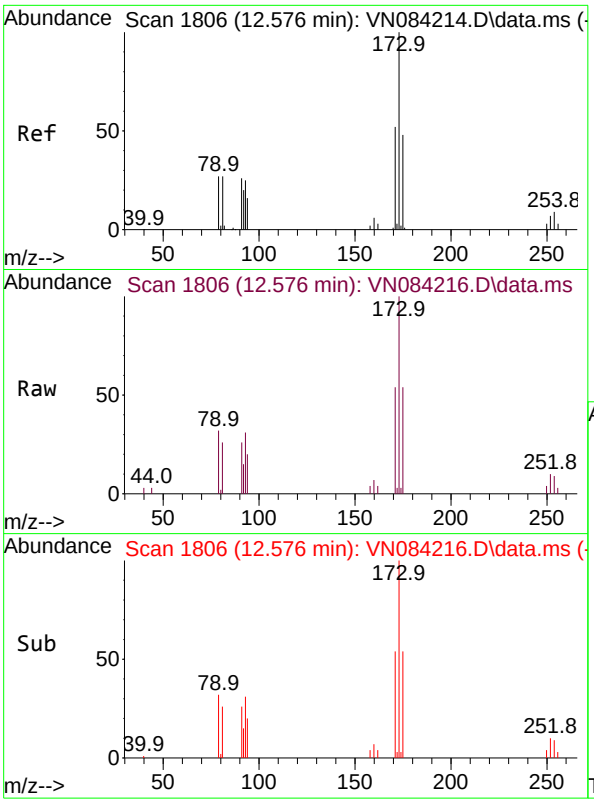


#70
Styrene
Concen: 9.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:104 Resp: 58367

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	53.4	43.6	65.4



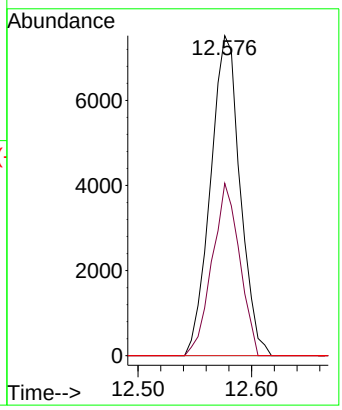


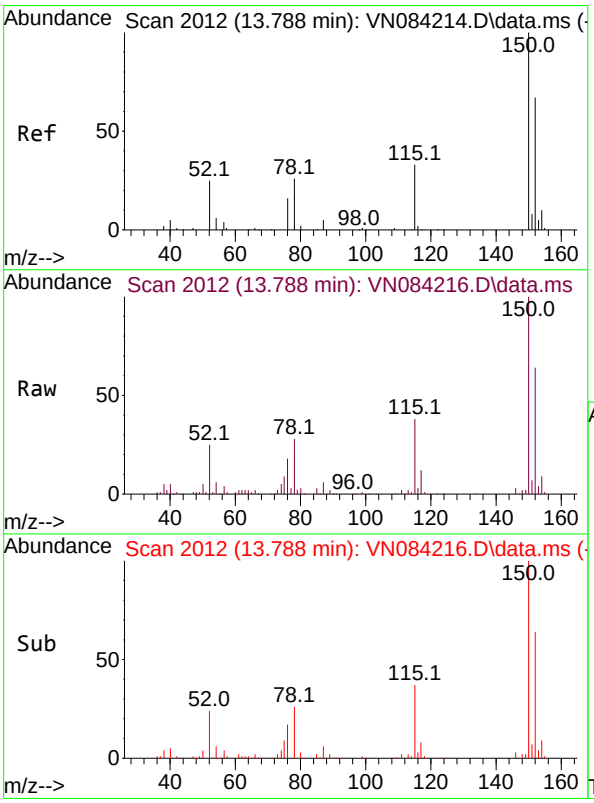
#71
Bromoform
Concen: 9.233 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 13618

Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.5	70.6
254	0.0	0.0	0.0

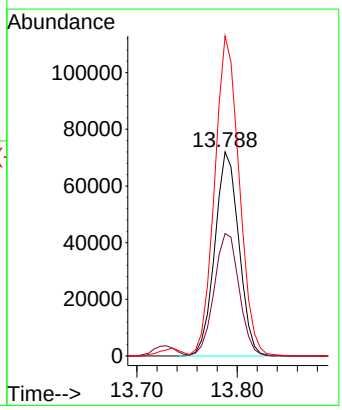


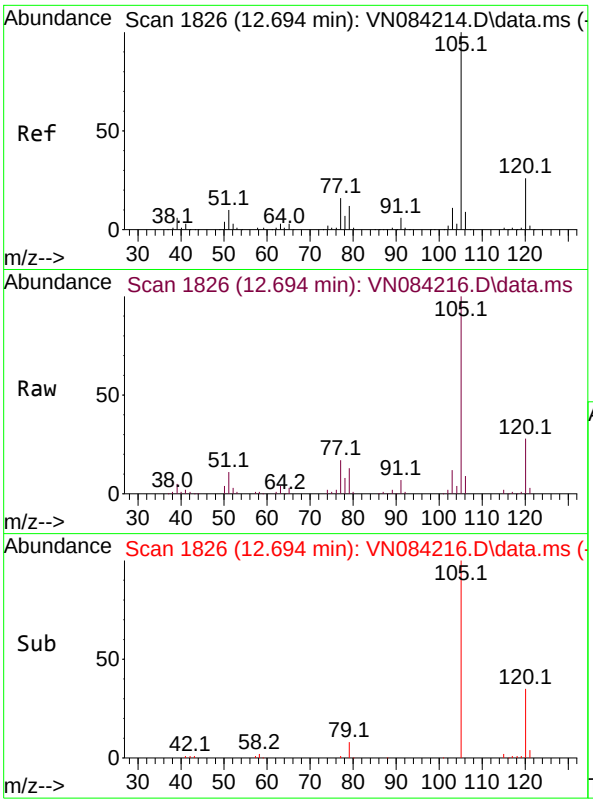


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:152 Resp: 119657

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	160.7	0.0	349.8



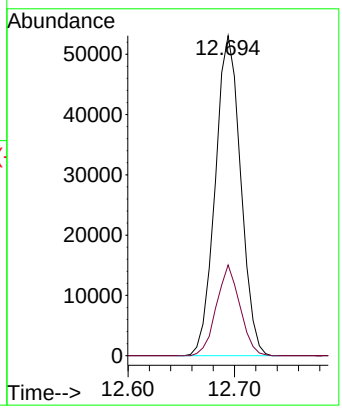


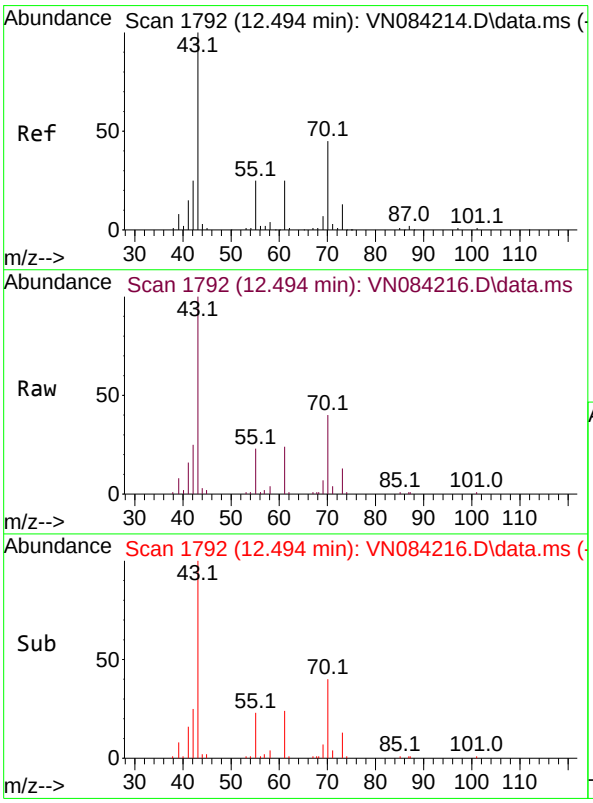
#73
Isopropylbenzene
Concen: 9.638 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 88000

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

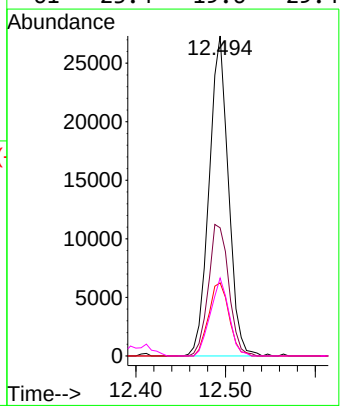


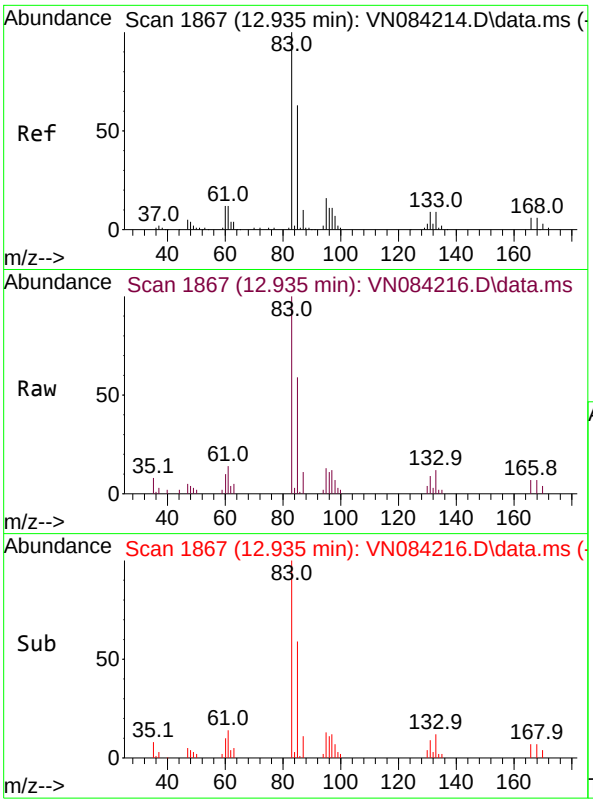


#74
N-amyl acetate
Concen: 9.868 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 40801

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	24.2	19.6	29.4
61	23.4	19.6	29.4



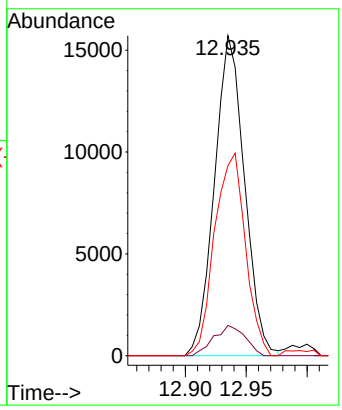


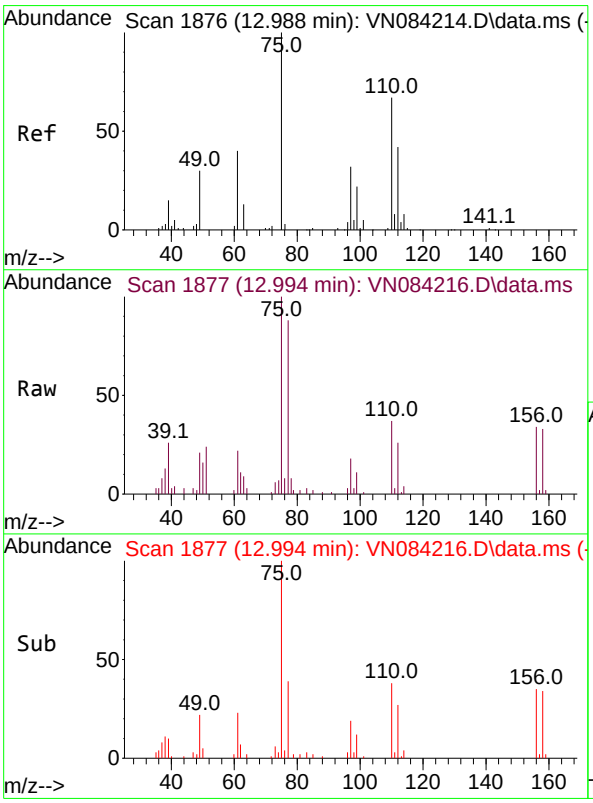
#75
1,1,2,2-Tetrachloroethane
Concen: 9.822 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 26966

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.7	31.9	95.7

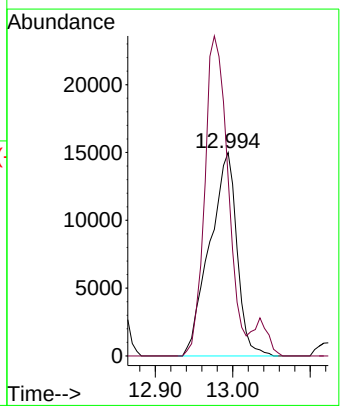


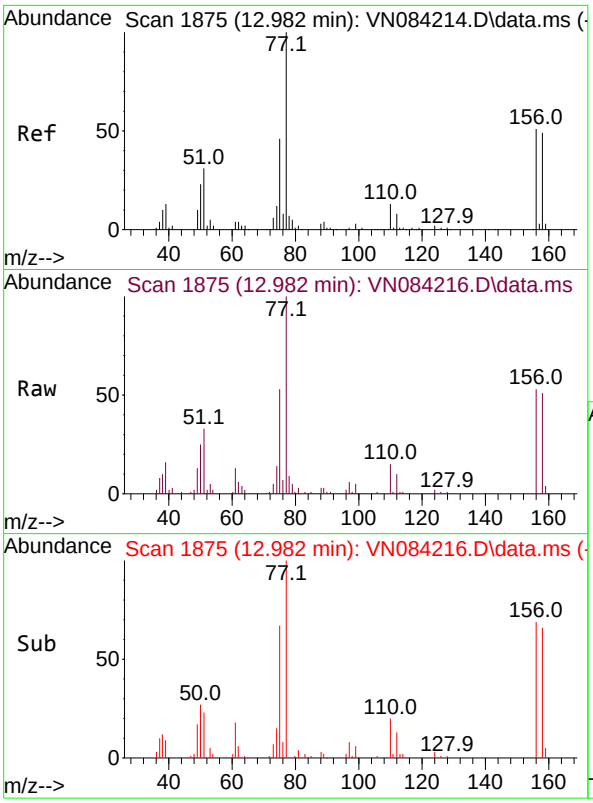


#76
1,2,3-Trichloropropane
Concen: 15.426 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 36789

Ion	Ratio	Lower	Upper
75	100		
77	133.4	96.9	290.7



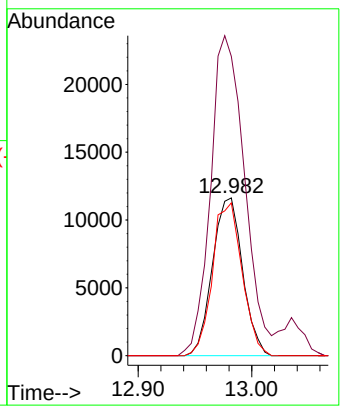


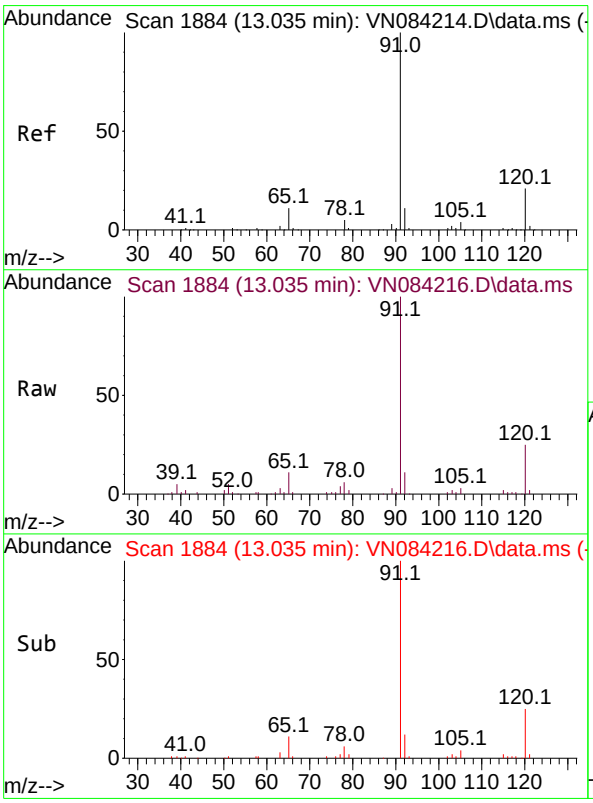
#77
Bromobenzene
Concen: 9.734 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 21439

Ion	Ratio	Lower	Upper
156	100		
77	229.0	115.1	345.3
158	95.3	48.9	146.8

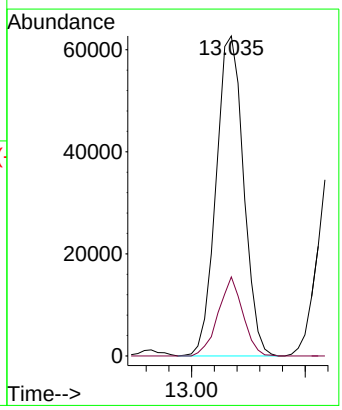


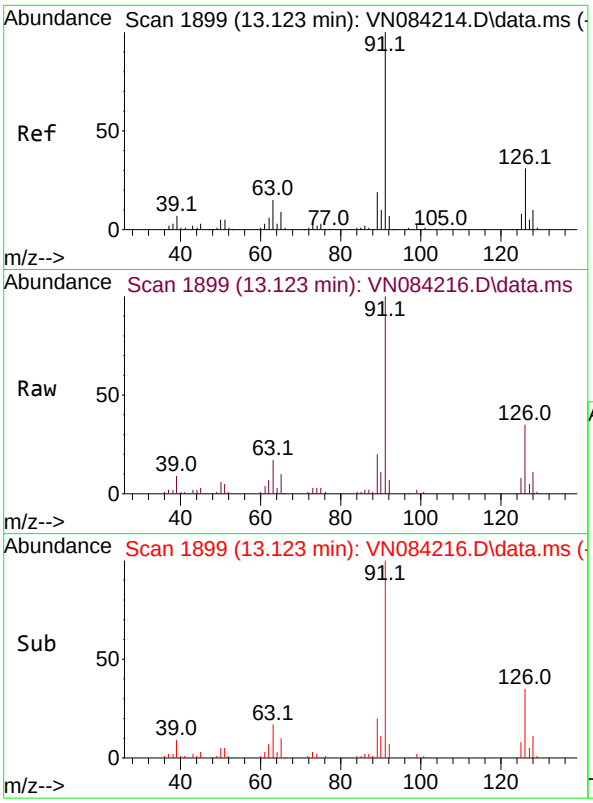


#78
n-propylbenzene
Concen: 9.957 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 105334

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



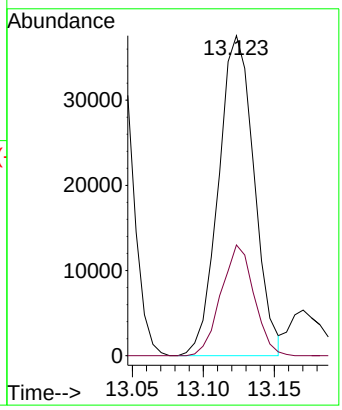


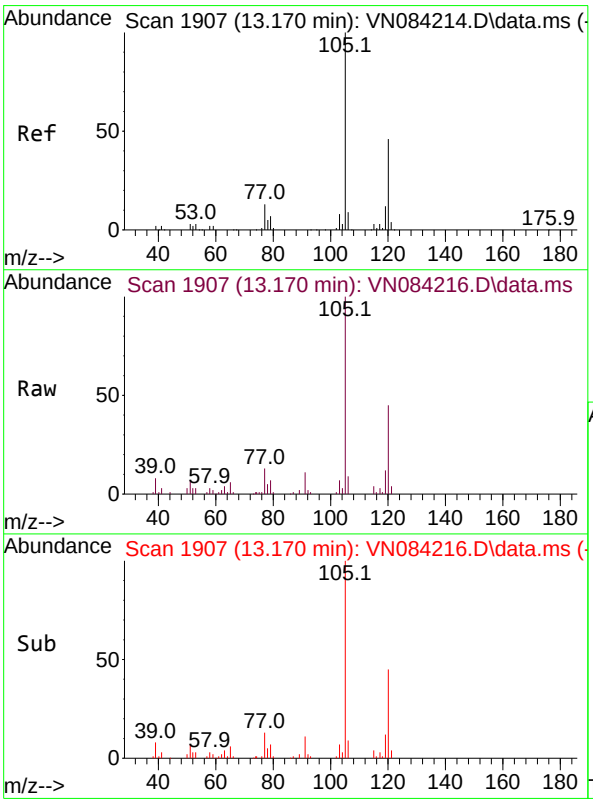
#79
2-Chlorotoluene
Concen: 9.704 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 65511

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

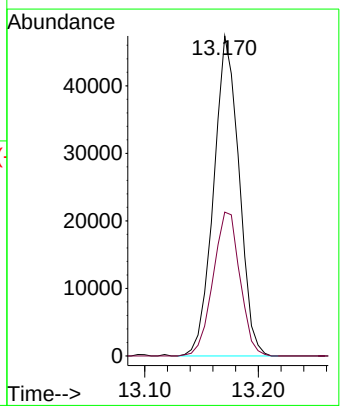


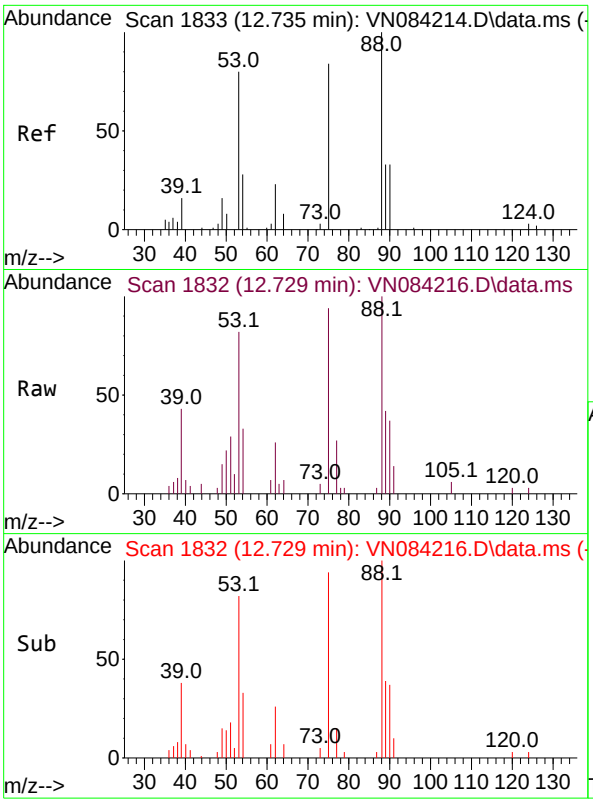


#80
1,3,5-Trimethylbenzene
Concen: 9.887 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 73637

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



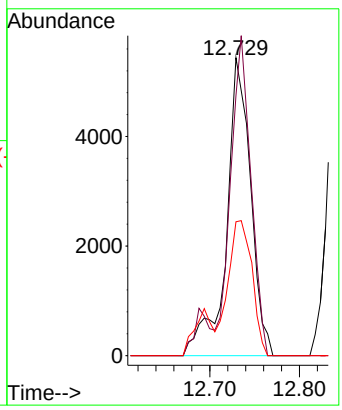


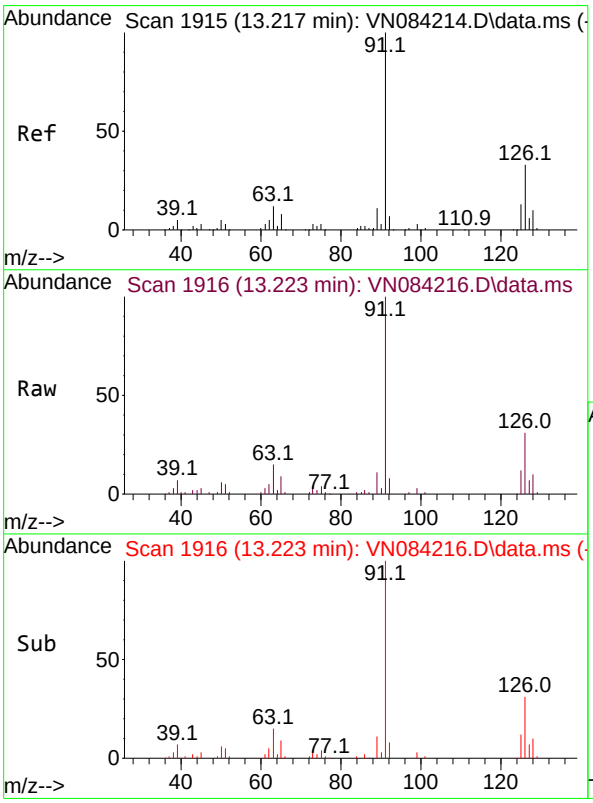
#81
trans-1,4-Dichloro-2-butene
Concen: 10.047 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 10237

Ion	Ratio	Lower	Upper
75	100		
53	89.4	78.0	117.0
89	44.7	35.5	53.3

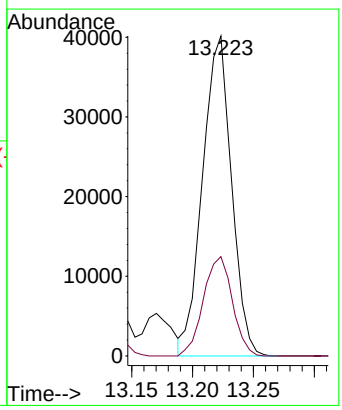


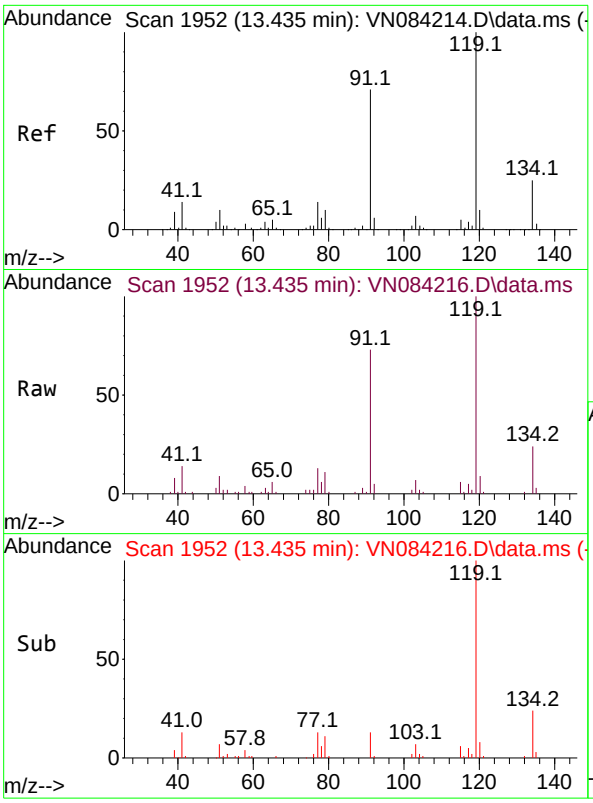


#82
4-Chlorotoluene
Concen: 9.778 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 66449

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



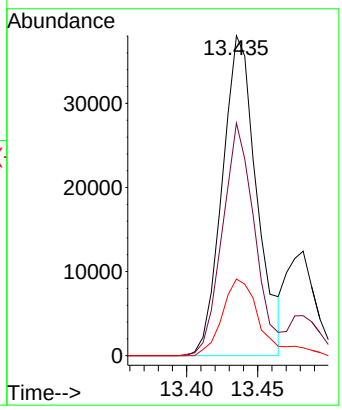


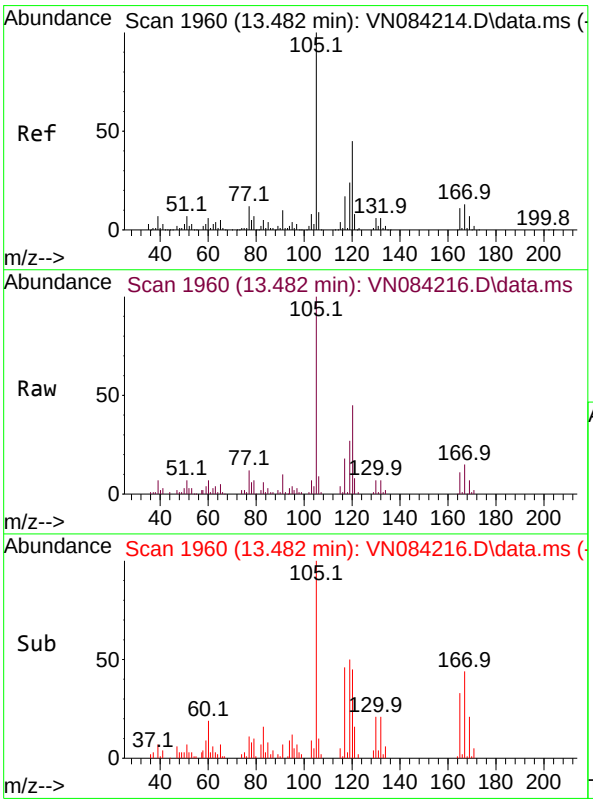
#83
tert-Butylbenzene
Concen: 9.691 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 64152

Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	26.6	12.8	38.4

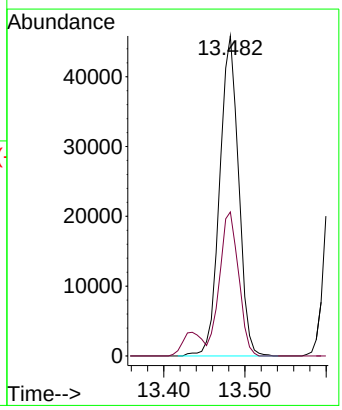


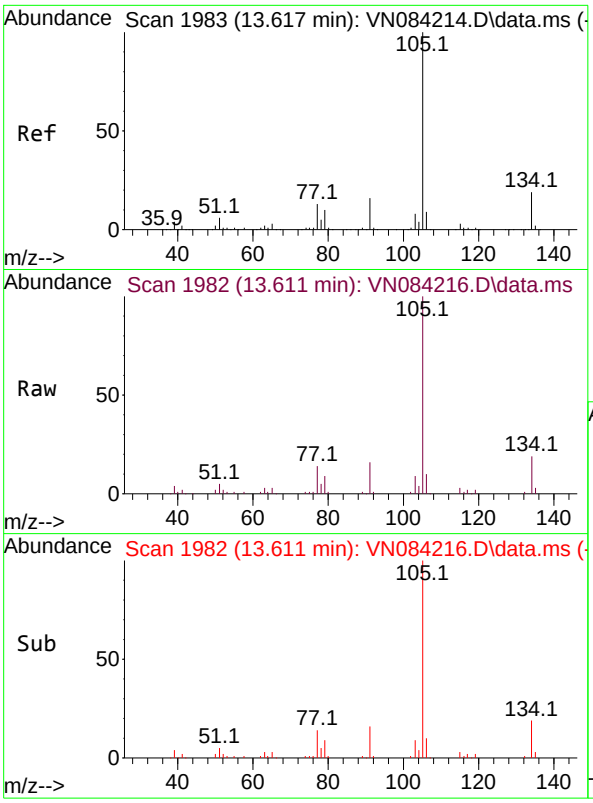


#84
1,2,4-Trimethylbenzene
Concen: 9.895 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 74245

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8



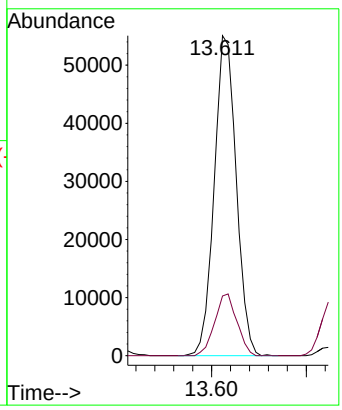


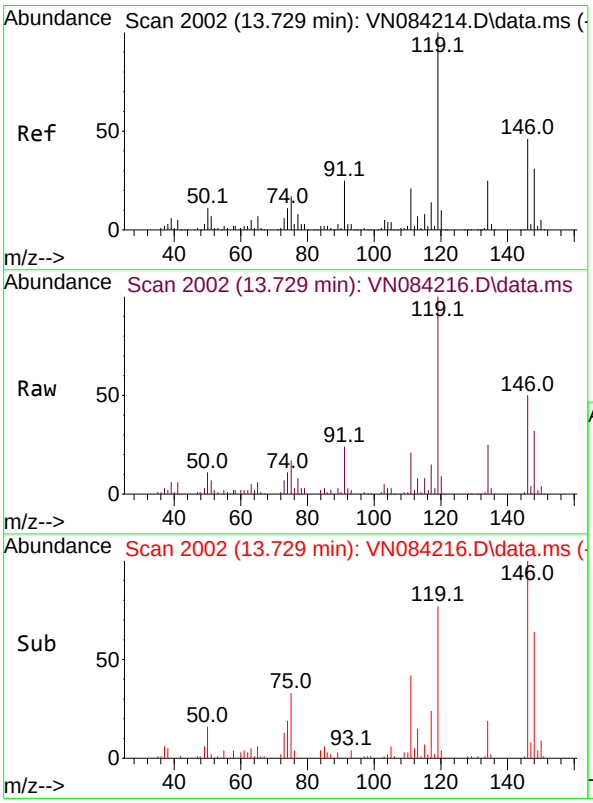
#85
sec-Butylbenzene
Concen: 10.065 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 88913

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

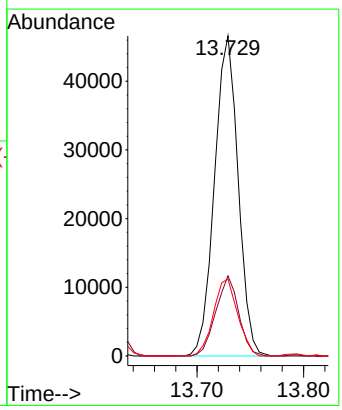


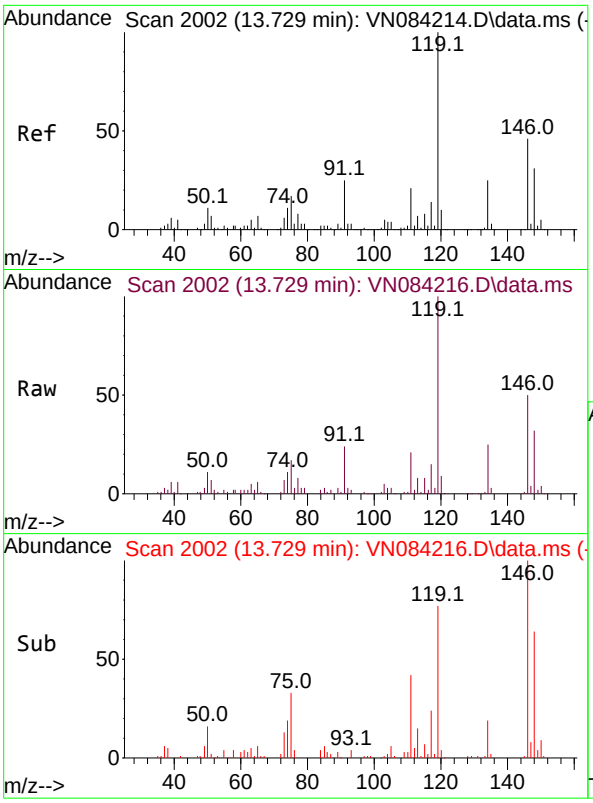


#86
p-Isopropyltoluene
Concen: 9.812 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:119 Resp: 71675

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	24.7	12.4	37.2



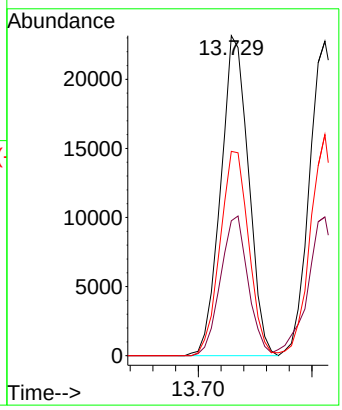


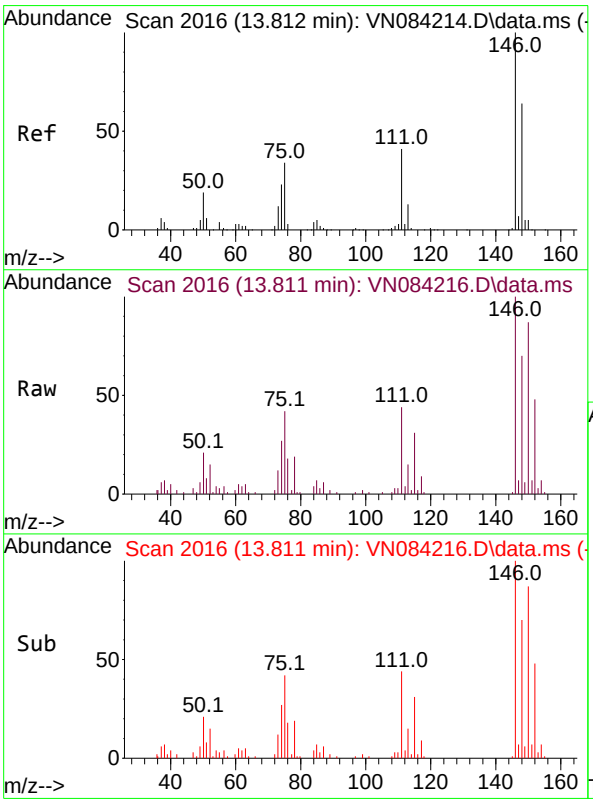
#87
1,3-Dichlorobenzene
Concen: 9.536 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 39402

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	65.7	31.9	95.7

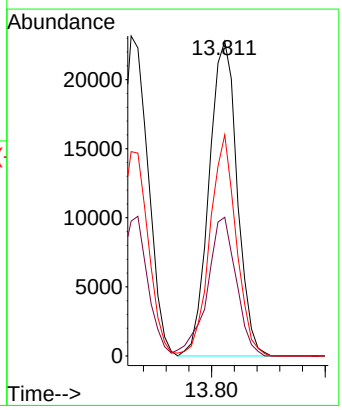


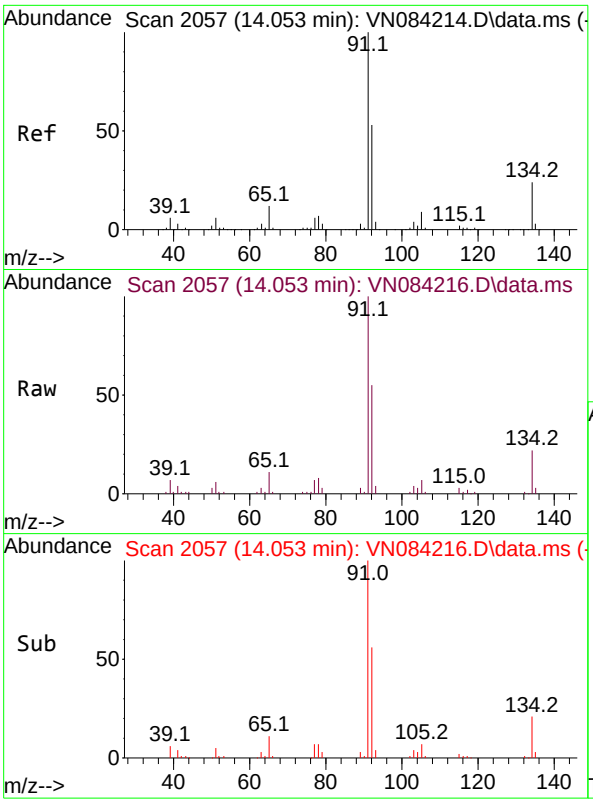


#88
1,4-Dichlorobenzene
Concen: 9.392 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 39191

Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.2	63.6
148	65.5	31.9	95.9



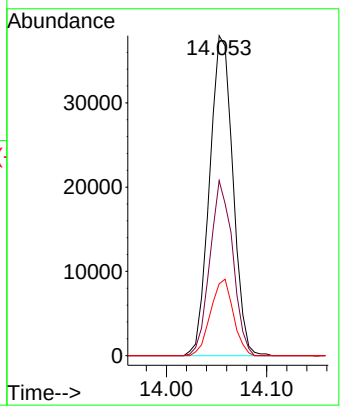


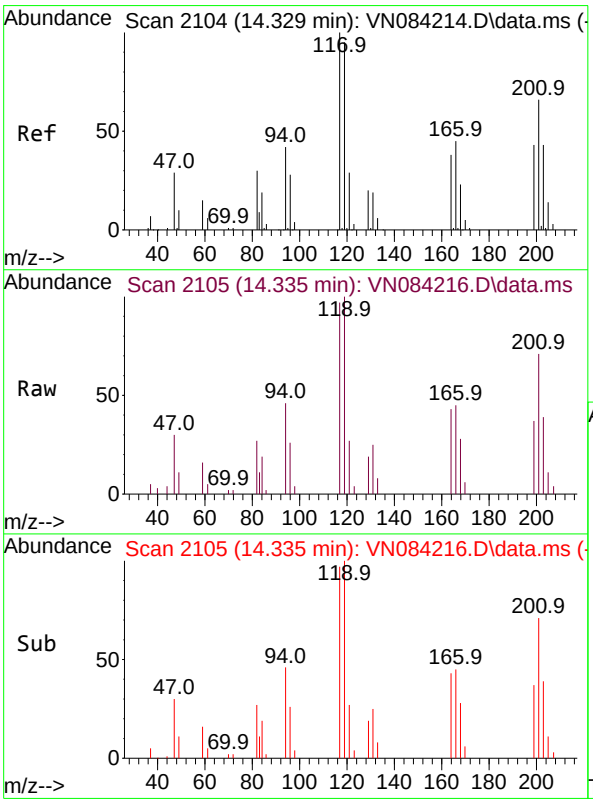
#89
n-Butylbenzene
Concen: 9.273 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 61422

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	23.2	12.3	36.9

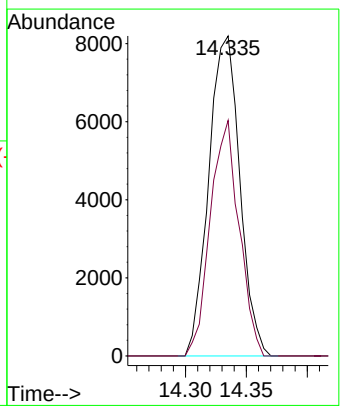


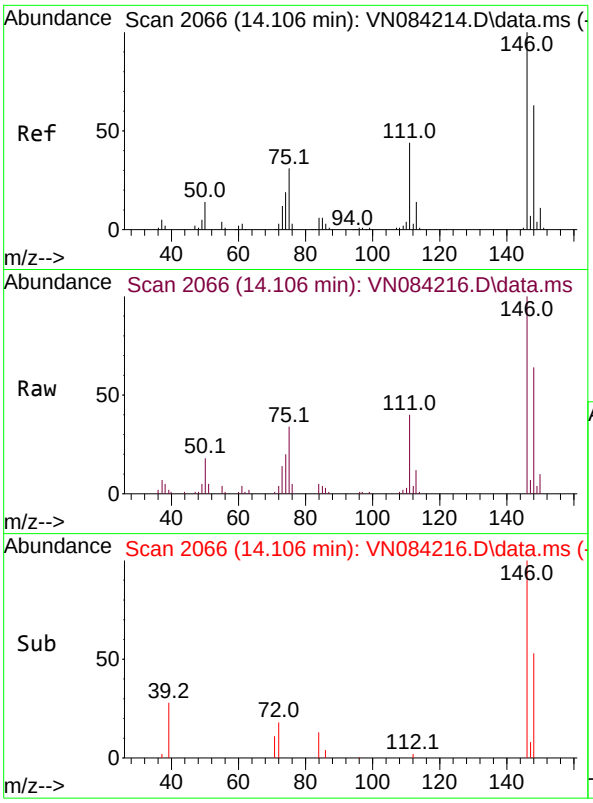


#90
Hexachloroethane
Concen: 9.820 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 14560

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2



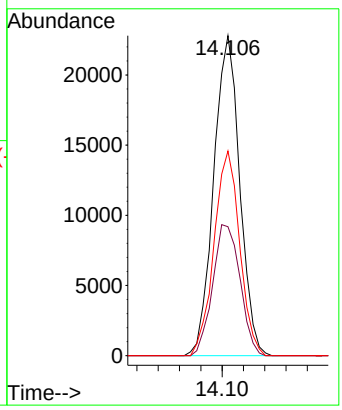


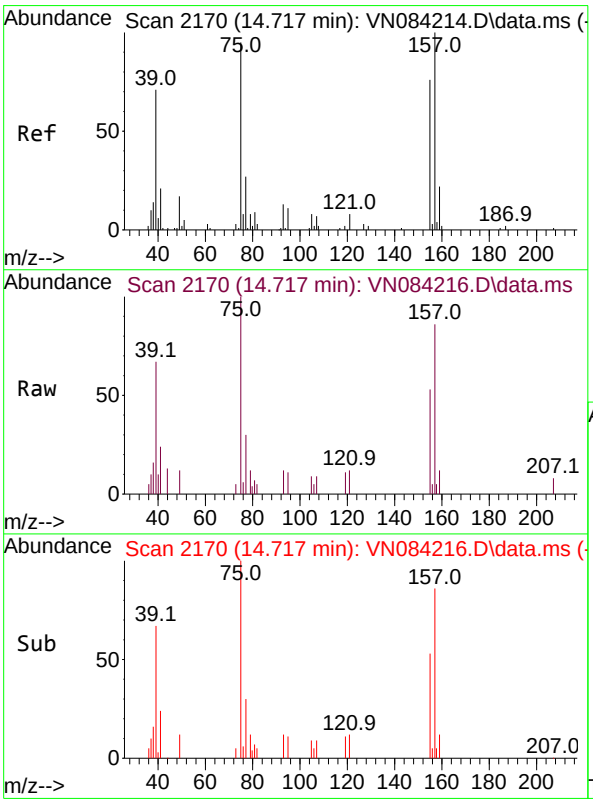
#91
1,2-Dichlorobenzene
Concen: 9.526 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 38594

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.1	32.1	96.3

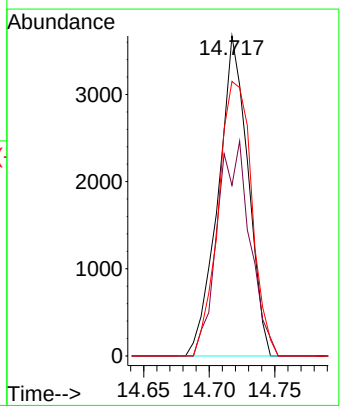


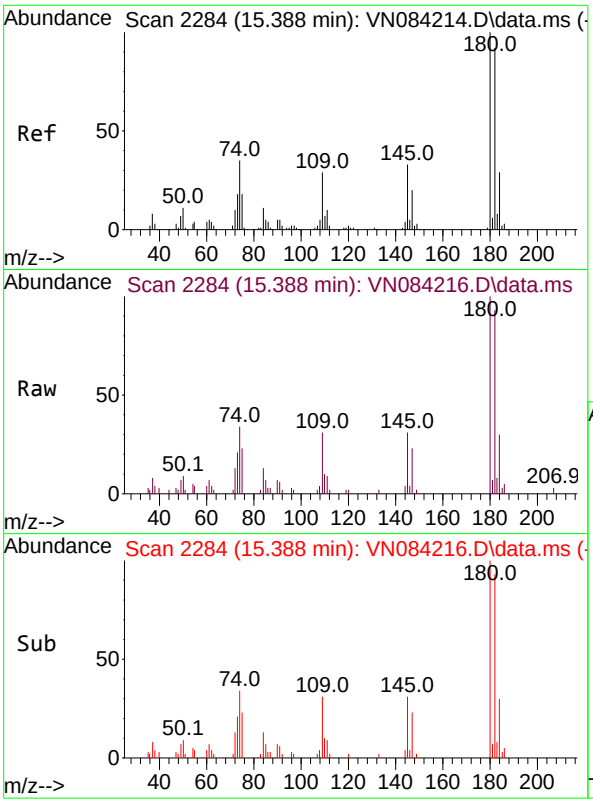


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.235 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 5799

Ion	Ratio	Lower	Upper
75	100		
155	73.5	38.1	114.5
157	96.2	49.6	149.0



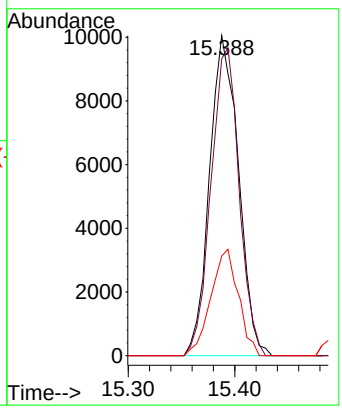


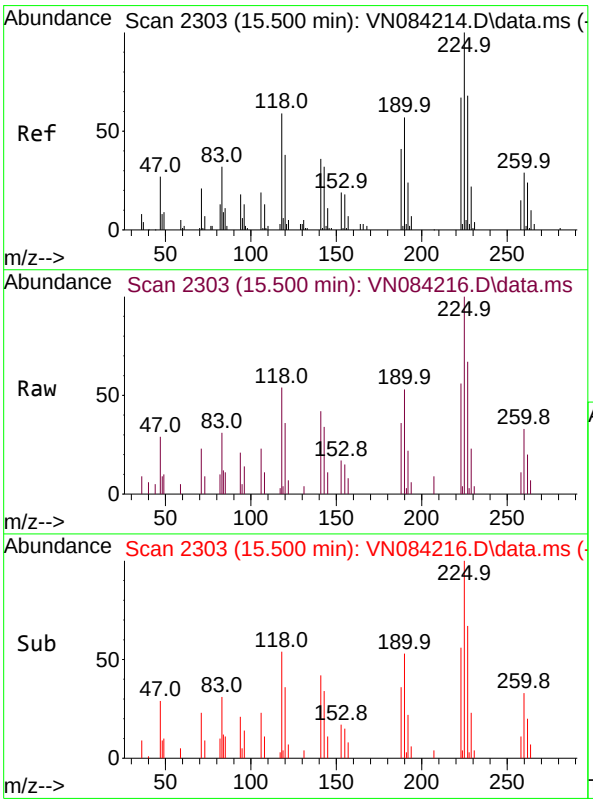
#93
1,2,4-Trichlorobenzene
Concen: 9.501 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 18960

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	31.7	16.4	49.4

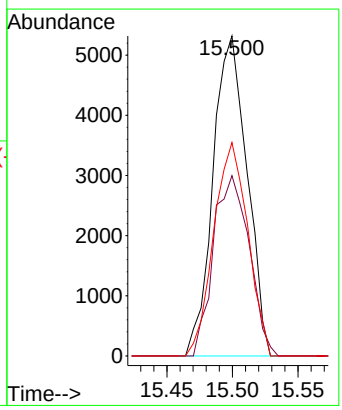


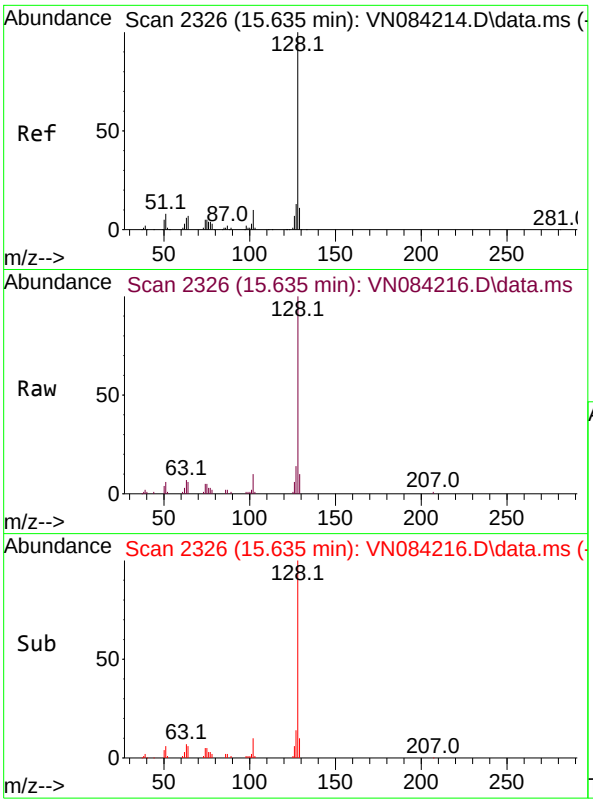


#94
Hexachlorobutadiene
Concen: 9.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:225 Resp: 9592

Ion	Ratio	Lower	Upper
225	100		
223	59.4	32.4	97.2
227	66.8	32.4	97.0



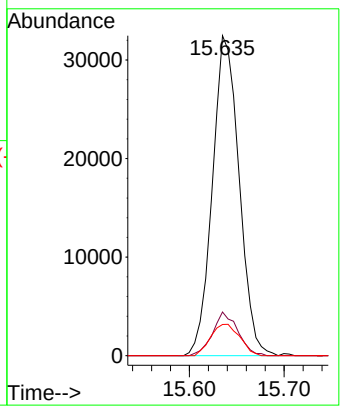


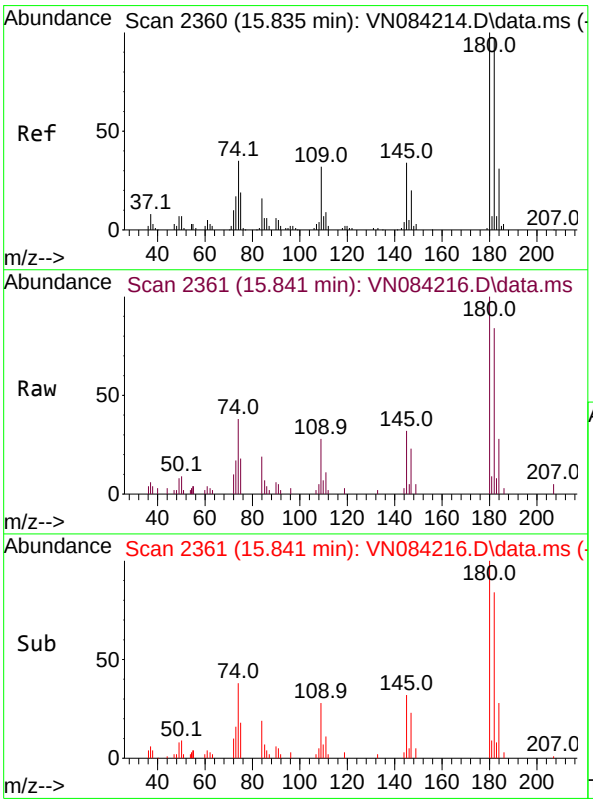
#95
Naphthalene
Concen: 9.613 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 63596

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1

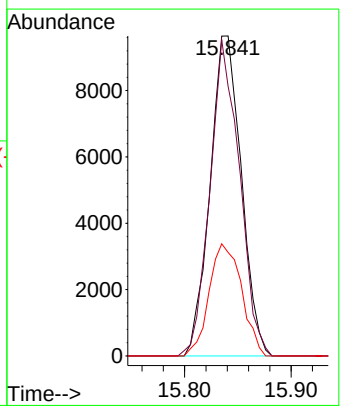




#96
1,2,3-Trichlorobenzene
Concen: 9.826 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:180 Resp: 19629

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.2	144.6
145	36.4	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	161547	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	288067	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	245710	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112491	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	13262	5.537	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.080%#			
35) Dibromofluoromethane	8.171	113	10333	5.441	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.880%#			
50) Toluene-d8	10.565	98	35782	5.121	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.240%#			
62) 4-Bromofluorobenzene	12.847	95	13132	5.159	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.320%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	9807	5.132	ug/l		94
3) Chloromethane	2.359	50	12064	5.529	ug/l		92
4) Vinyl Chloride	2.512	62	11701	5.536	ug/l		96
5) Bromomethane	2.947	94	8091	5.804	ug/l		97
6) Chloroethane	3.118	64	8433	5.571	ug/l		94
7) Trichlorofluoromethane	3.495	101	17988	5.466	ug/l		90
8) Diethyl Ether	3.953	74	6430	5.268	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	5482	2.907	ug/l	#	33
10) Methyl Iodide	4.589	142	12344	5.083	ug/l	#	97
11) Tert butyl alcohol	5.512	59	11537	29.211	ug/l	#	91
12) 1,1-Dichloroethene	4.342	96	10191	5.603	ug/l		95
13) Acrolein	4.177	56	13122	28.940	ug/l		99
14) Allyl chloride	5.030	41	17724	5.611	ug/l		90
15) Acrylonitrile	5.718	53	26537	26.607	ug/l		99
16) Acetone	4.430	43	27153	26.389	ug/l		95
17) Carbon Disulfide	4.712	76	30816	5.351	ug/l		97
18) Methyl Acetate	5.024	43	12354	5.509	ug/l	#	72
19) Methyl tert-butyl Ether	5.800	73	33101	5.392	ug/l		97
20) Methylene Chloride	5.265	84	10809	5.168	ug/l		96
21) trans-1,2-Dichloroethene	5.777	96	5005	2.626	ug/l		90
22) Diisopropyl ether	6.671	45	35654	5.457	ug/l		99
23) Vinyl Acetate	6.606	43	144069	29.570	ug/l		99
24) 1,1-Dichloroethane	6.565	63	19800	5.419	ug/l		95
25) 2-Butanone	7.482	43	37739	26.929	ug/l		99
26) 2,2-Dichloropropane	7.488	77	17552	5.327	ug/l		98
27) cis-1,2-Dichloroethene	7.488	96	12388	5.380	ug/l		99
28) Bromochloromethane	7.812	49	9996	6.131	ug/l	#	95
29) Tetrahydrofuran	7.841	42	23456	27.121	ug/l		97
30) Chloroform	7.965	83	20341	5.359	ug/l		92
31) Cyclohexane	8.259	56	21337	6.014	ug/l		99
32) 1,1,1-Trichloroethane	8.171	97	18635	5.467	ug/l	#	53
36) 1,1-Dichloropropene	8.371	75	14527	5.266	ug/l		99
37) Ethyl Acetate	7.565	43	16138	5.702	ug/l		97
38) Carbon Tetrachloride	8.359	117	15700	5.188	ug/l		95
39) Methylcyclohexane	9.594	83	15377	5.009	ug/l		94
40) Benzene	8.606	78	45343	5.276	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	7878	5.128	ug/l		93
42) 1,2-Dichloroethane	8.677	62	15661	5.375	ug/l		99
43) Isopropyl Acetate	8.682	43	29779	5.374	ug/l		95
44) Trichloroethene	9.347	130	10921	5.440	ug/l		87
45) 1,2-Dichloropropane	9.618	63	11181	5.499	ug/l		95
46) Dibromomethane	9.706	93	7207	5.253	ug/l		93
47) Bromodichloromethane	9.888	83	16407	5.382	ug/l	#	97
48) Methyl methacrylate	9.676	41	11766	5.332	ug/l		97
49) 1,4-Dioxane	9.688	88	4121	101.444	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.441	43	69730	25.883	ug/l		99
52) Toluene	10.629	92	26489	5.054	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	16242	5.227	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	17448	5.220	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	9805	5.219	ug/l		89
56) Ethyl methacrylate	10.876	69	15794	5.109	ug/l		96
57) 1,3-Dichloropropane	11.159	76	17954	5.348	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	38417	26.787	ug/l		99
59) 2-Hexanone	11.194	43	51488	25.570	ug/l		98
60) Dibromochloromethane	11.359	129	11412	5.141	ug/l		96
61) 1,2-Dibromoethane	11.470	107	10394	5.324	ug/l		98
64) Tetrachloroethene	11.106	164	9167	5.356	ug/l		90
65) Chlorobenzene	11.888	112	28818	5.290	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	10054	5.358	ug/l		97
67) Ethyl Benzene	11.965	91	49891	5.178	ug/l		97
68) m/p-Xylenes	12.065	106	35820	10.051	ug/l		98
69) o-Xylene	12.400	106	18041	5.350	ug/l		96
70) Styrene	12.412	104	28472	4.985	ug/l		99
71) Bromoform	12.582	173	7067	5.115	ug/l	#	95
73) Isopropylbenzene	12.694	105	43468	5.064	ug/l		98
74) N-amyl acetate	12.494	43	19775	5.087	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	14517	5.624	ug/l		94
76) 1,2,3-Trichloropropane	12.994	75	19041	8.493	ug/l		59
77) Bromobenzene	12.976	156	11049	5.336	ug/l		99
78) n-propylbenzene	13.035	91	51120	5.140	ug/l		99
79) 2-Chlorotoluene	13.123	91	33161	5.225	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	36100	5.156	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	4595	4.797	ug/l	#	79
82) 4-Chlorotoluene	13.223	91	33382	5.225	ug/l		99
83) tert-Butylbenzene	13.435	119	31990	5.140	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	36099	5.118	ug/l		100
85) sec-Butylbenzene	13.612	105	40954	4.931	ug/l		98
86) p-Isopropyltoluene	13.729	119	34083	4.963	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	20730	5.337	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	21249	5.417	ug/l		96
89) n-Butylbenzene	14.059	91	30253	4.858	ug/l		99
90) Hexachloroethane	14.329	117	7628	5.472	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	19905	5.226	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3046	5.719	ug/l		92
93) 1,2,4-Trichlorobenzene	15.394	180	9439	5.031	ug/l		95
94) Hexachlorobutadiene	15.500	225	5174	5.530	ug/l		89
95) Naphthalene	15.641	128	30391	4.886	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	9245	4.923	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

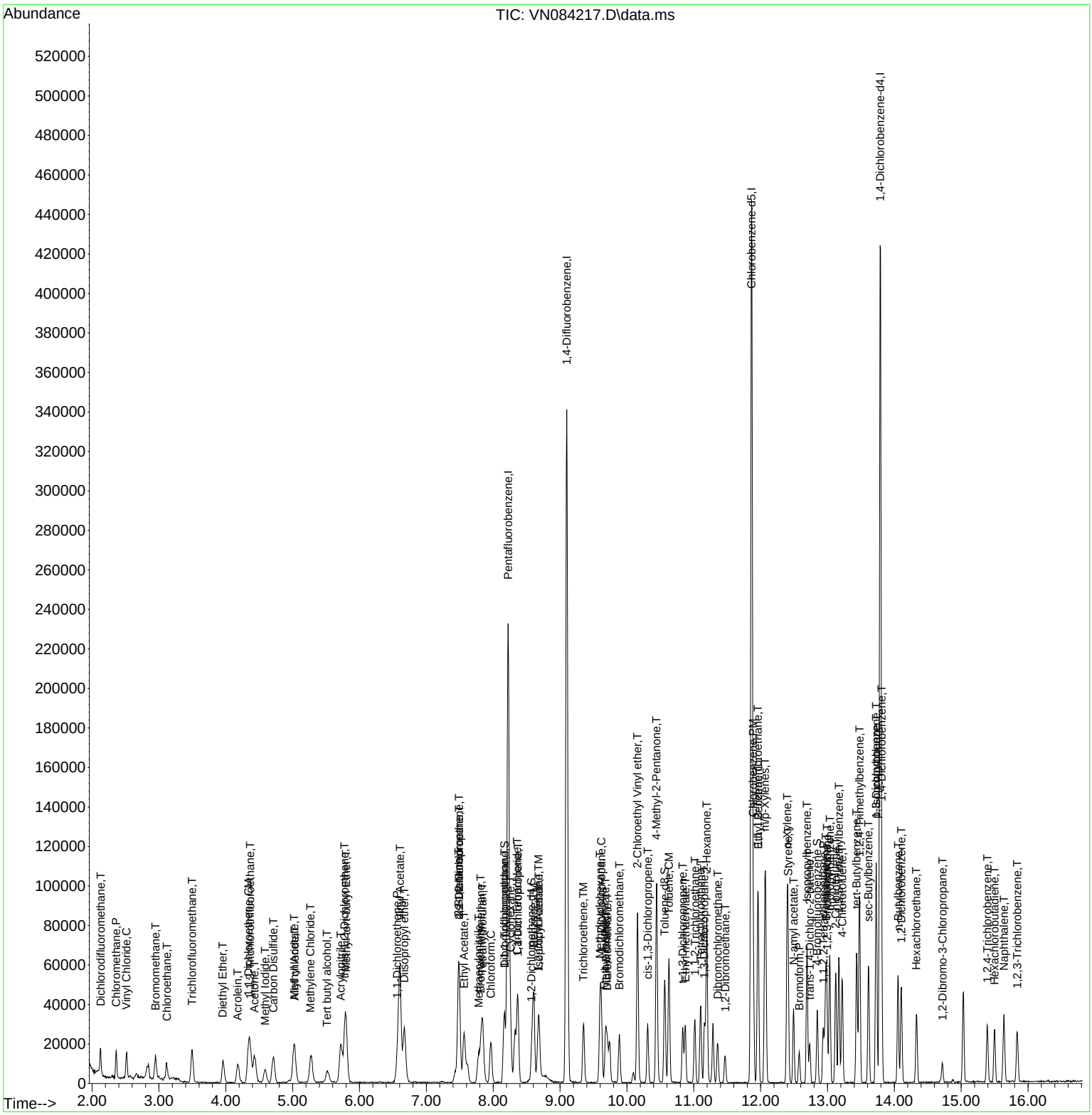
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

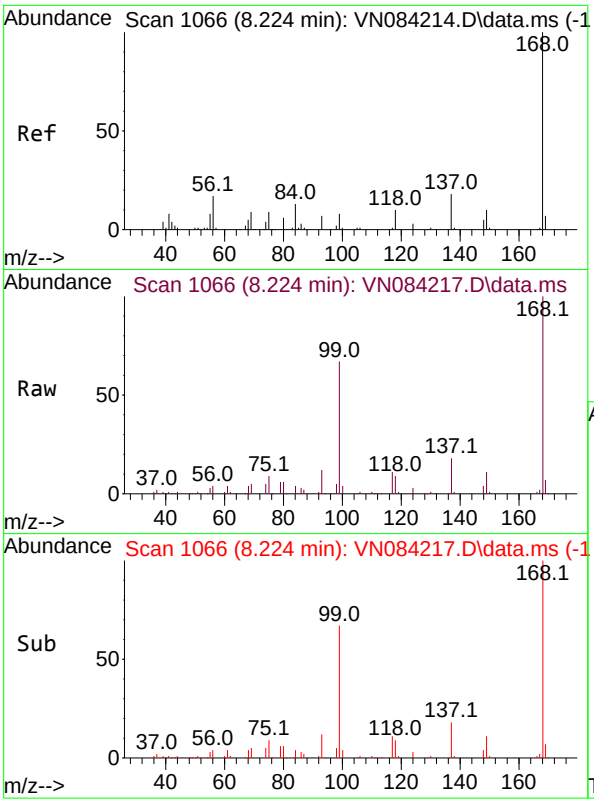
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 01 06:49:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



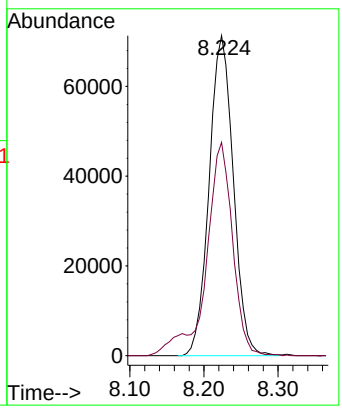


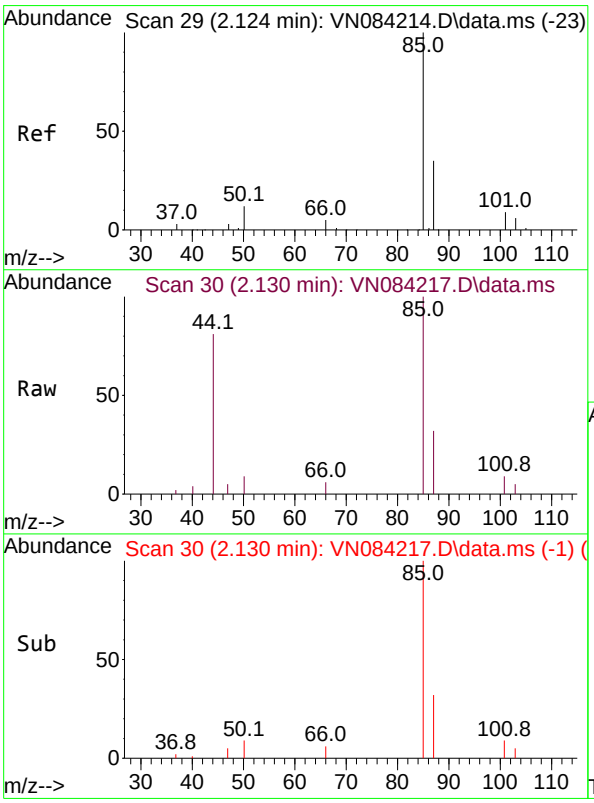
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 161547

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2

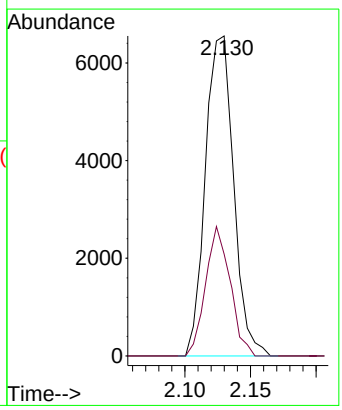


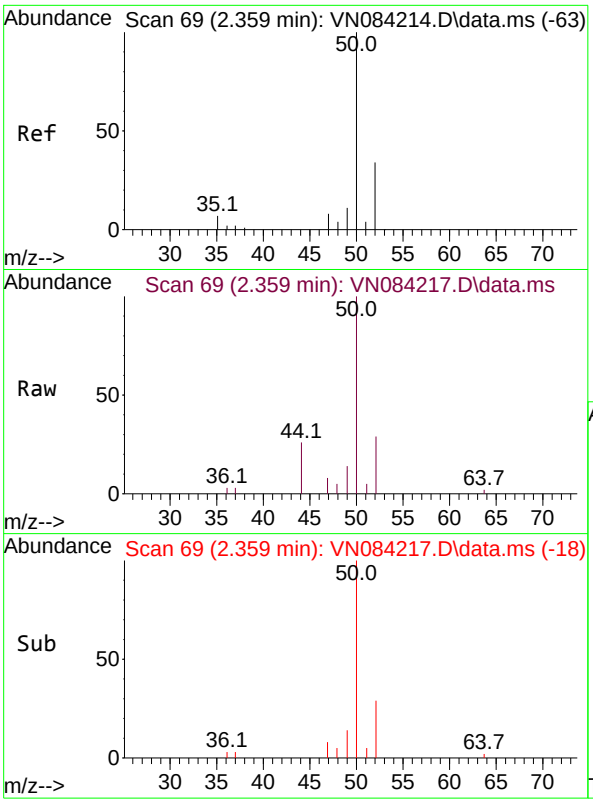


#2
Dichlorodifluoromethane
Concen: 5.132 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 85 Resp: 9807

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



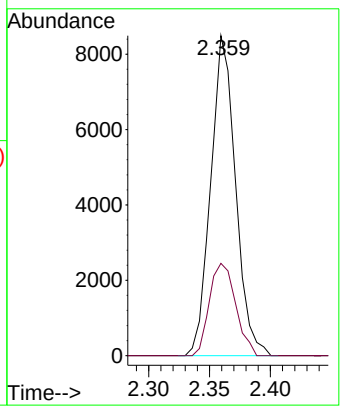


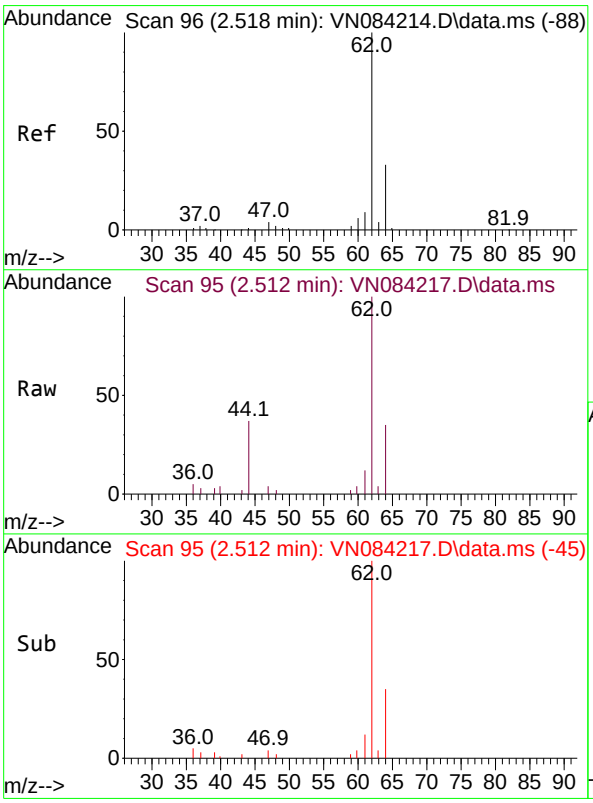
#3
Chloromethane
Concen: 5.529 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 12064

Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.8	40.2

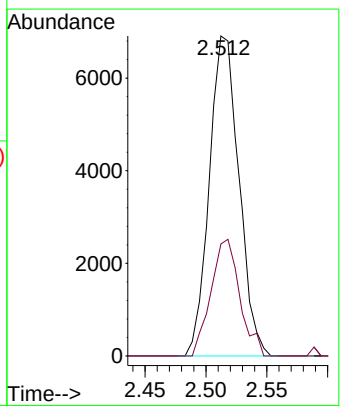


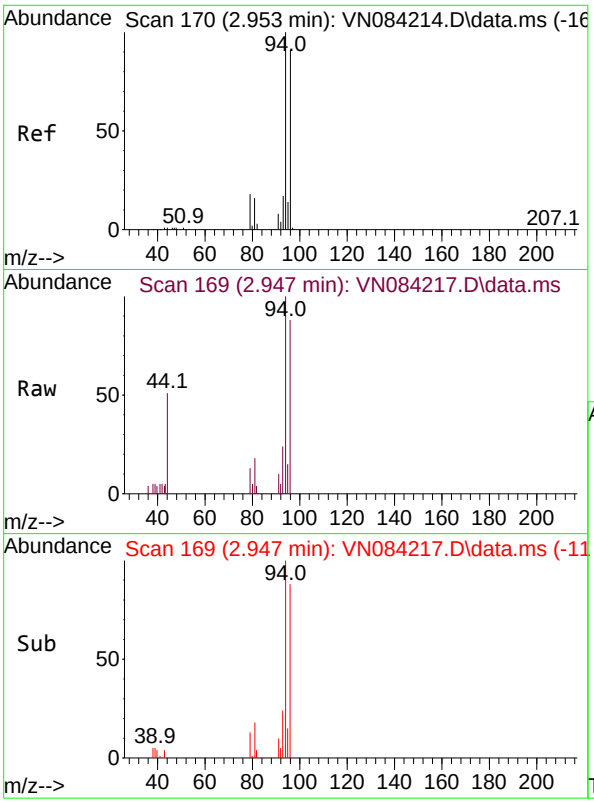


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 11701

Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.2	39.4



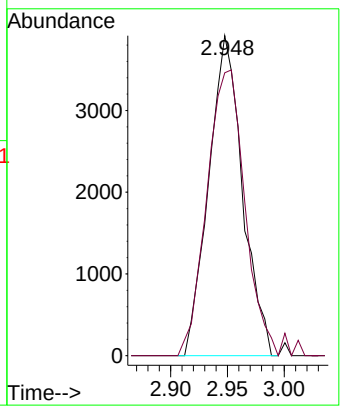


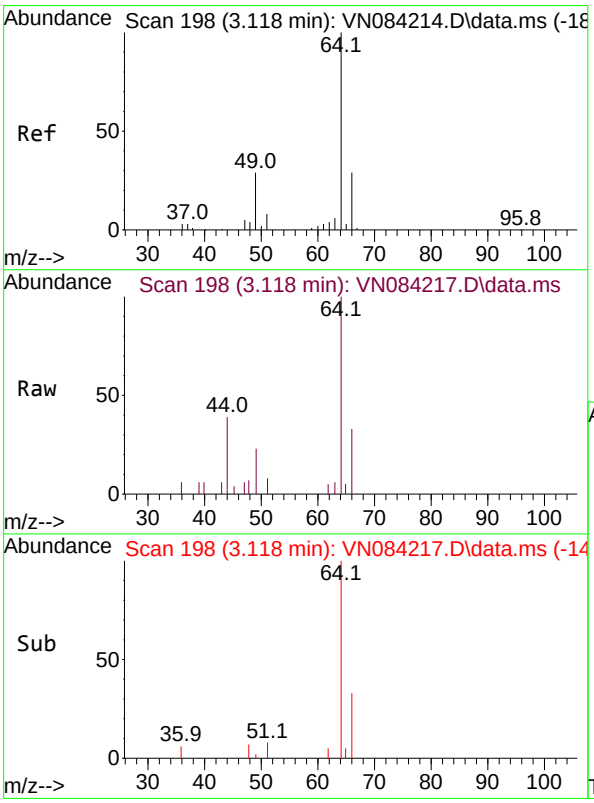
#5
Bromomethane
Concen: 5.804 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8091

Ion	Ratio	Lower	Upper
94	100		
96	88.4	72.9	109.3

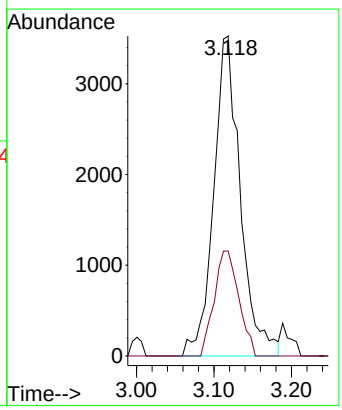


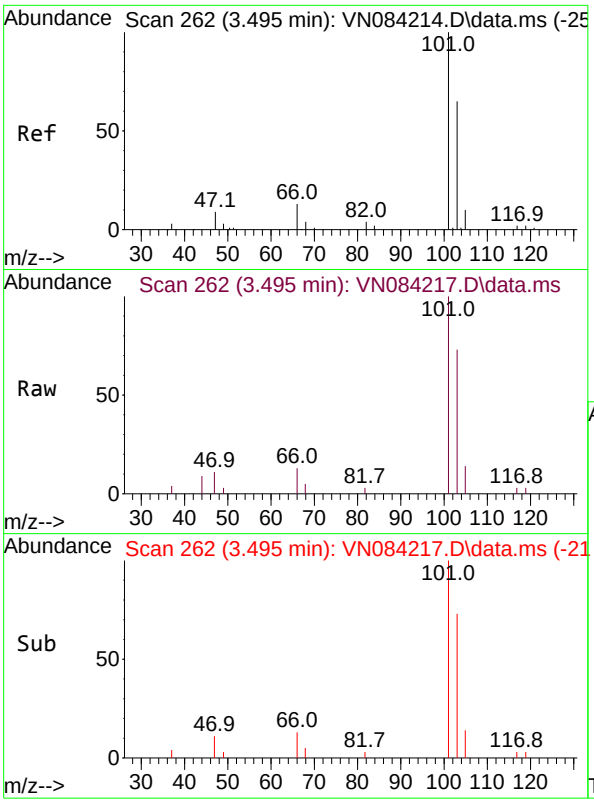


#6
Chloroethane
Concen: 5.571 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 64 Resp: 8433

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



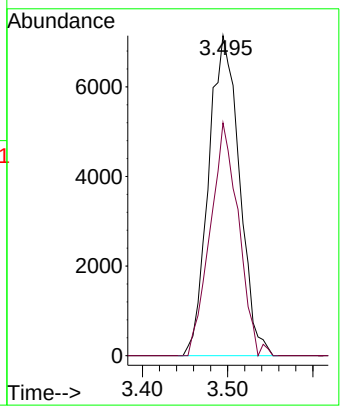


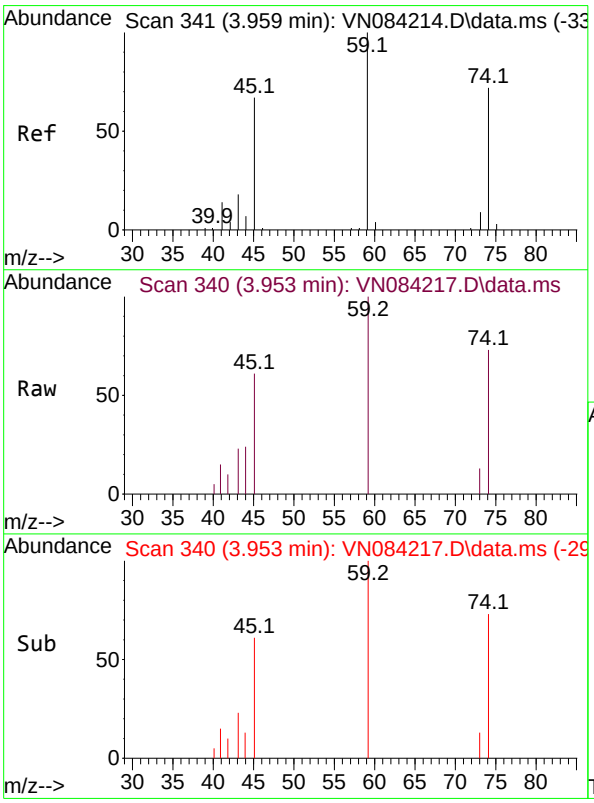
#7
Trichlorofluoromethane
Concen: 5.466 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17988

Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.8	77.6

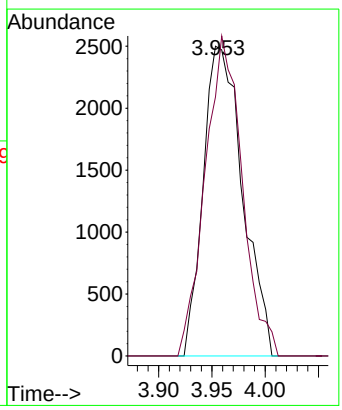


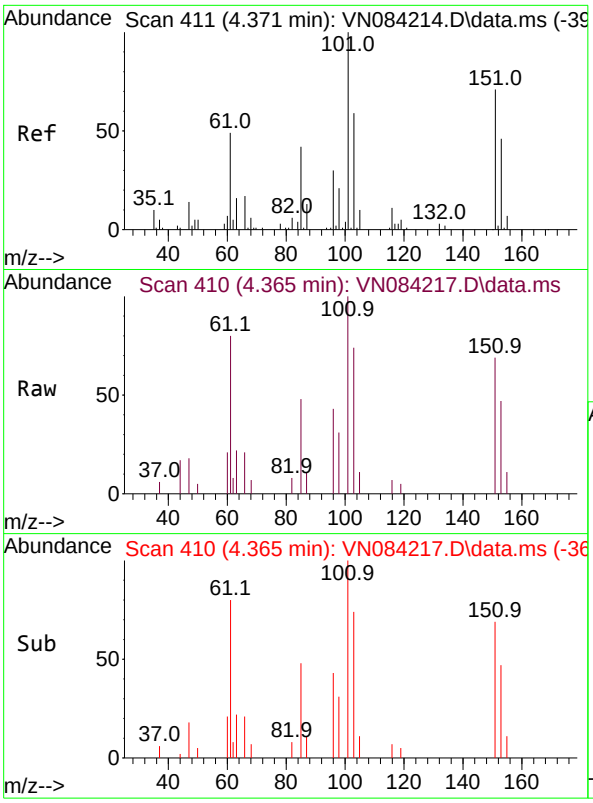


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 74 Resp: 6430

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.7	143.1



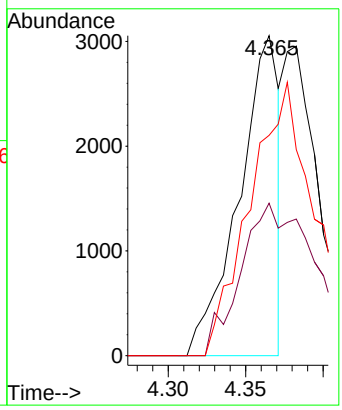


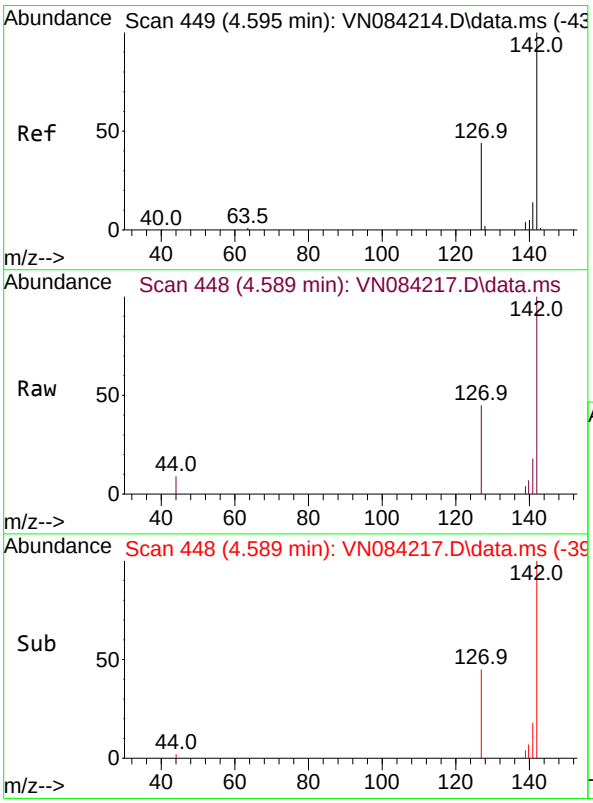
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.907 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 5482

Ion	Ratio	Lower	Upper
101	100		
85	86.0	36.2	54.4#
151	133.2	59.3	88.9#

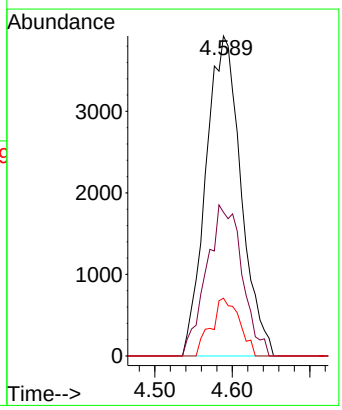


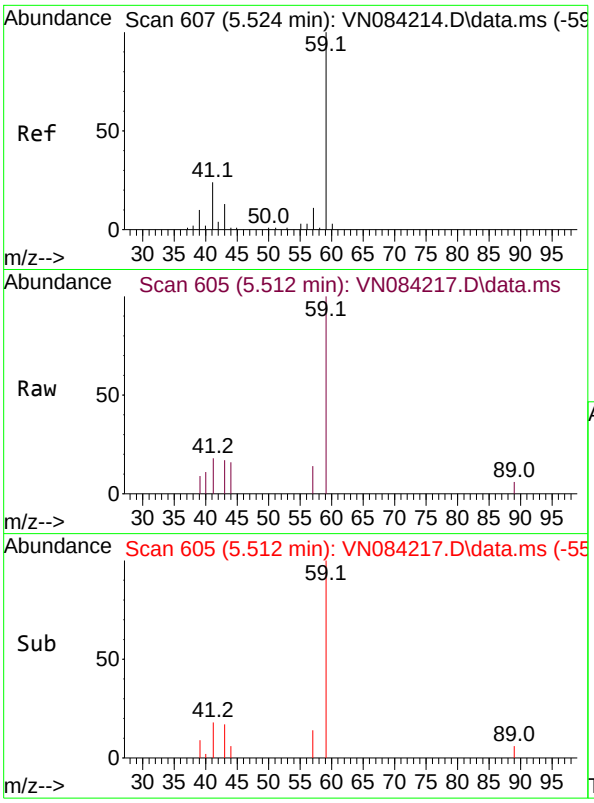


#10
Methyl Iodide
Concen: 5.083 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:142 Resp: 12344

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.3	52.9
141	18.0	11.0	16.6#



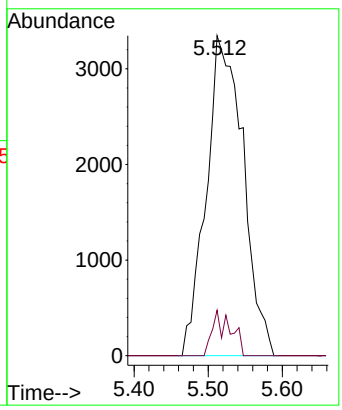


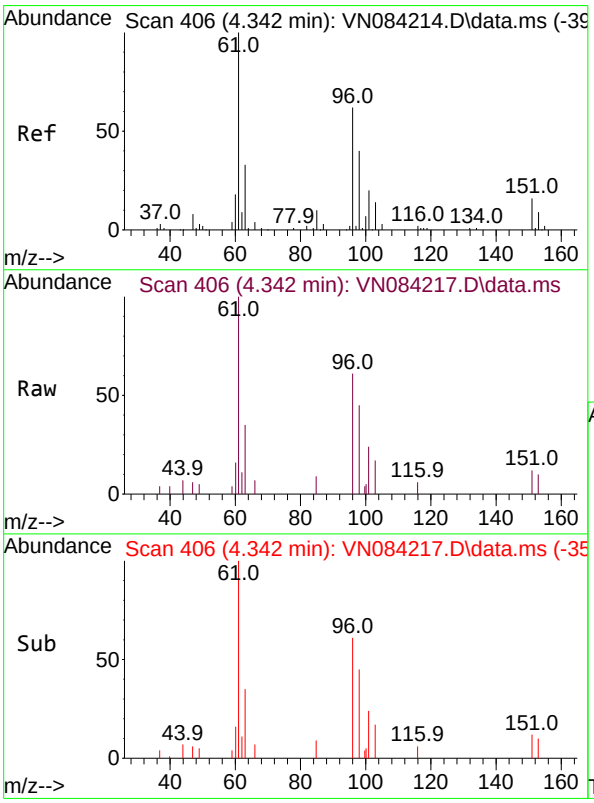
#11
Tert butyl alcohol
Concen: 29.211 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 11537

Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.2	12.2#

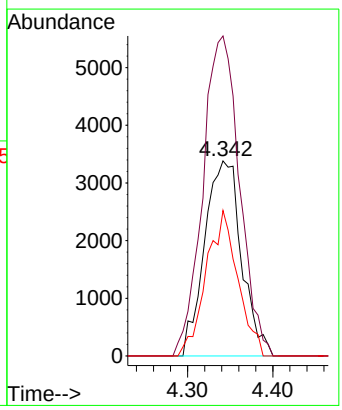


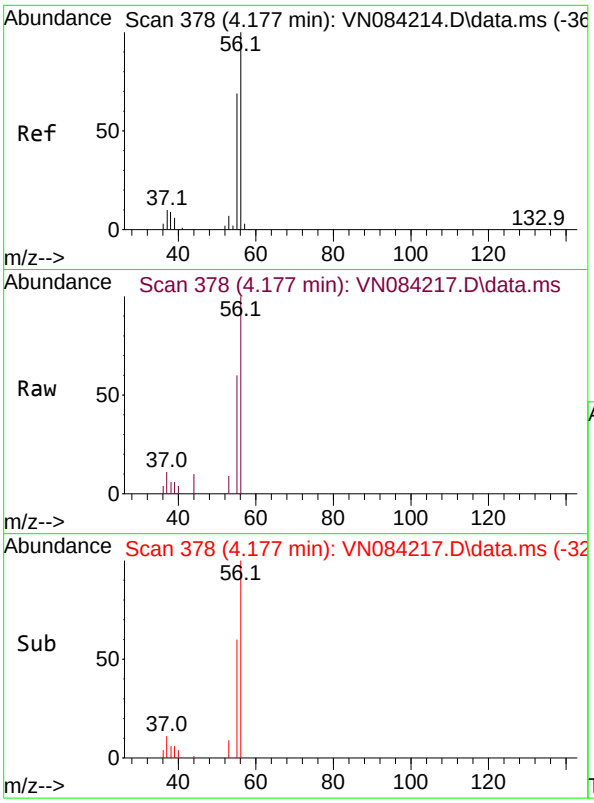


#12
1,1-Dichloroethene
Concen: 5.603 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 10191

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.6	192.8
98	74.5	51.7	77.5



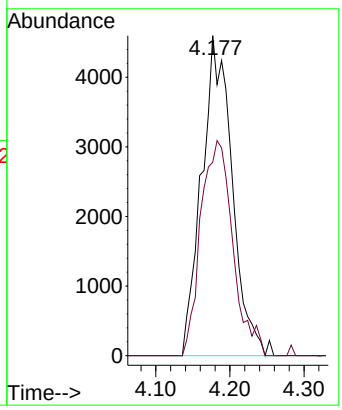


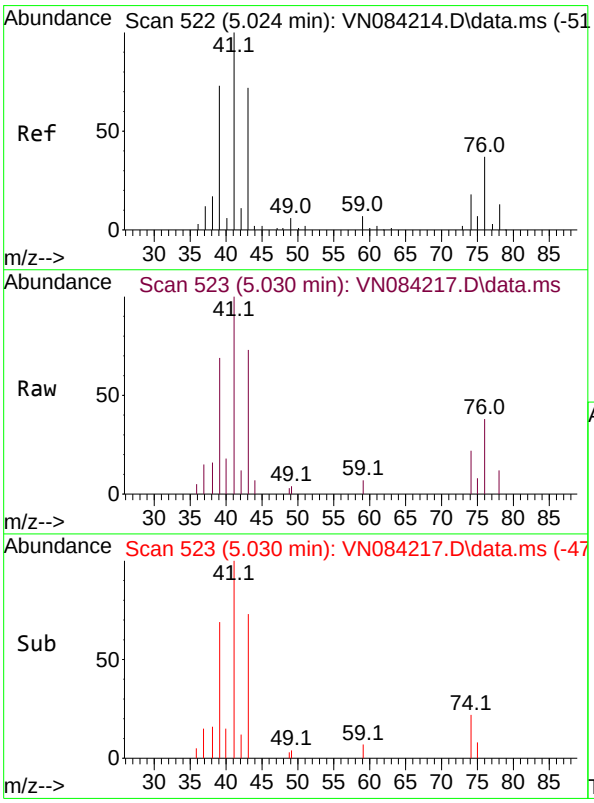
#13
Acrolein
Concen: 28.940 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13122

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8

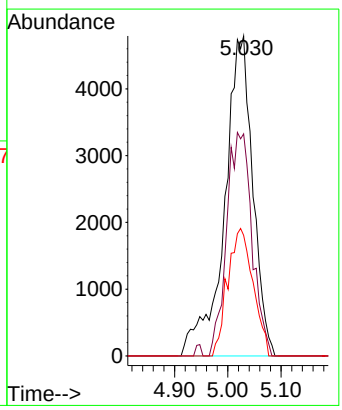


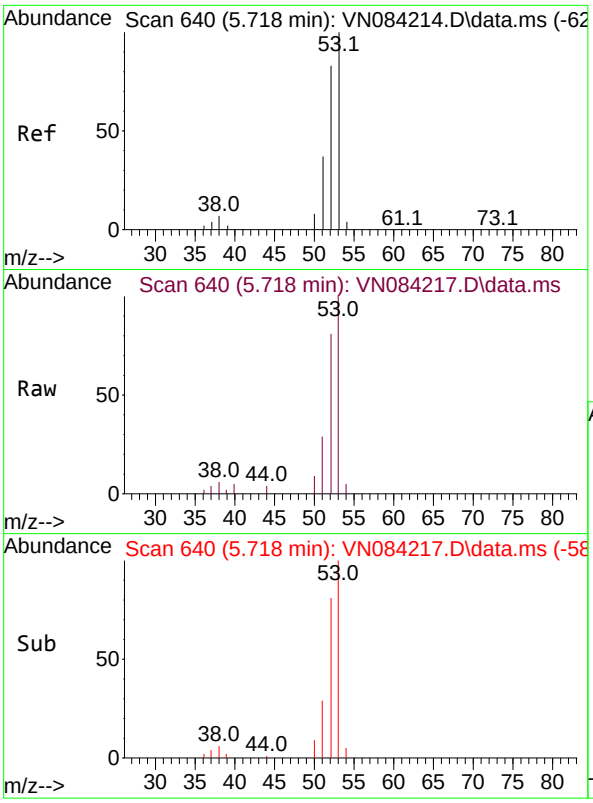


#14
Allyl chloride
Concen: 5.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 17724

Ion	Ratio	Lower	Upper
41	100		
39	62.5	59.0	88.6
76	35.6	29.8	44.6



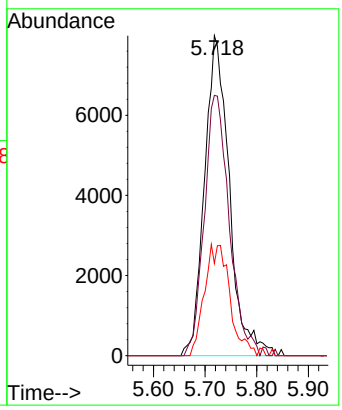


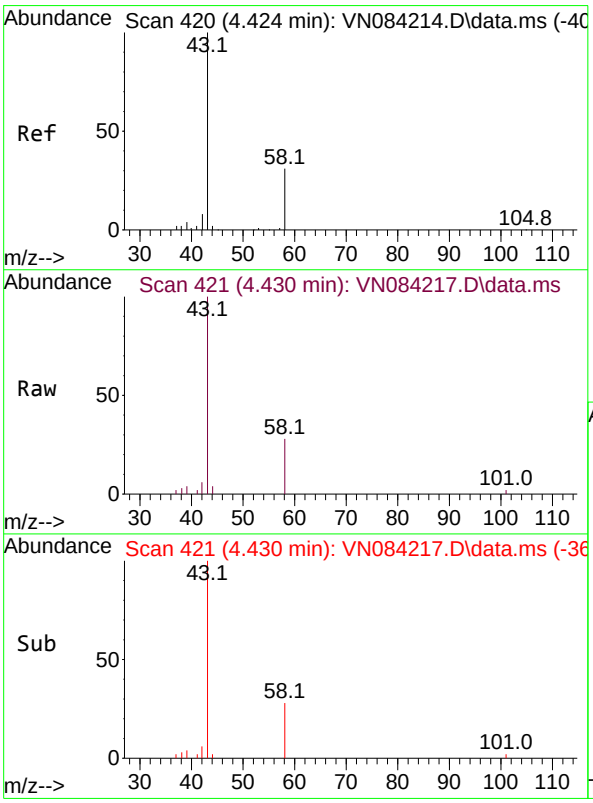
#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 26537

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.6	28.8	43.2

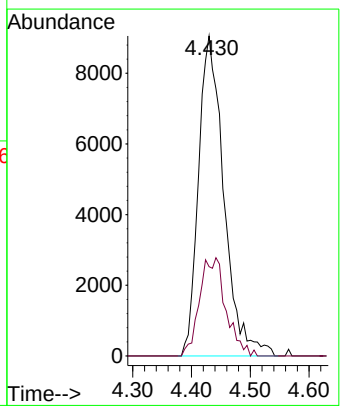


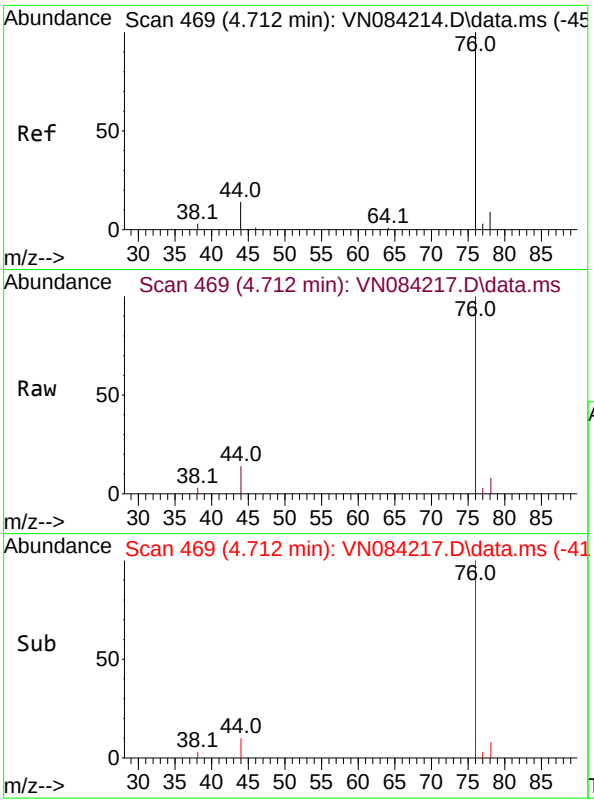


#16
Acetone
Concen: 26.389 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 27153

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.4	36.6



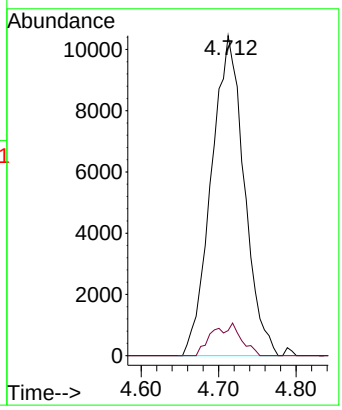


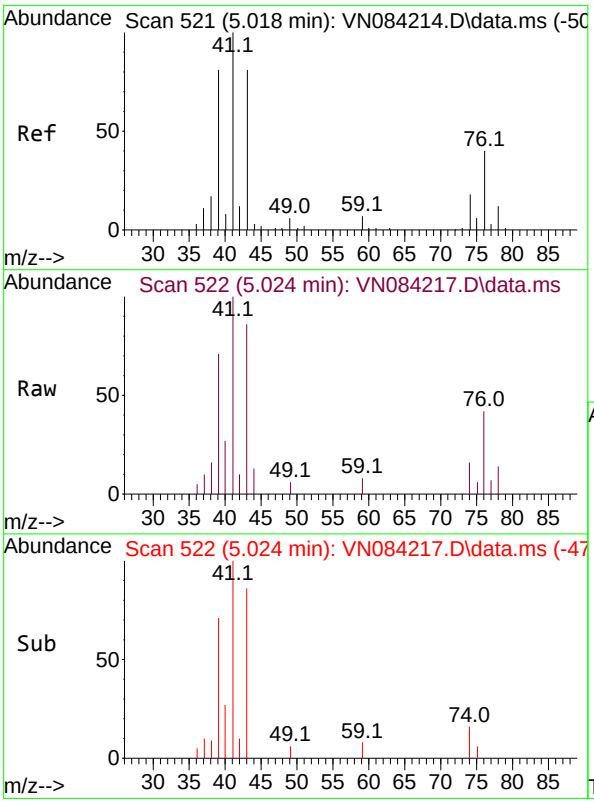
#17
Carbon Disulfide
Concen: 5.351 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30816

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

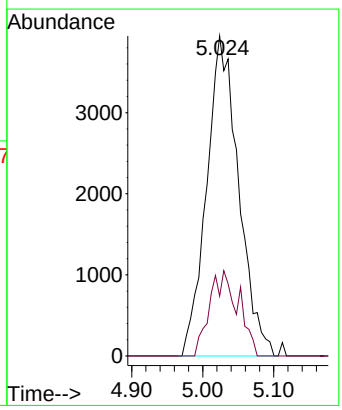


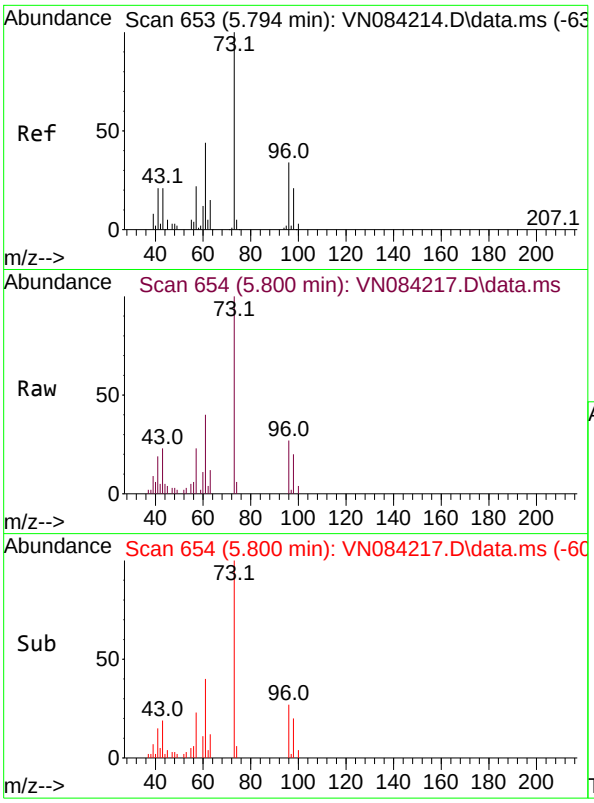


#18
Methyl Acetate
Concen: 5.509 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 12354

Ion	Ratio	Lower	Upper
43	100		
74	9.9	19.2	28.8#



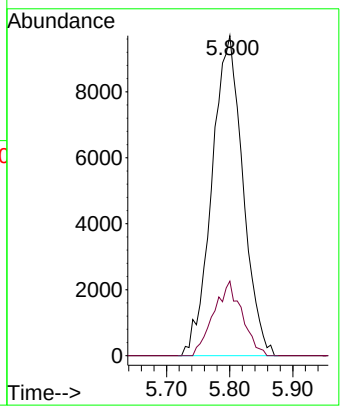


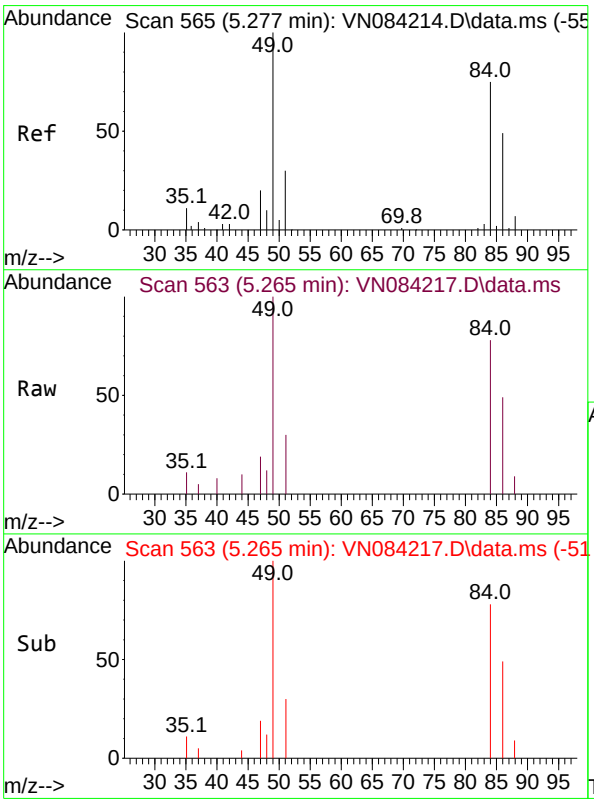
#19
Methyl tert-butyl Ether
Concen: 5.392 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 33101

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5

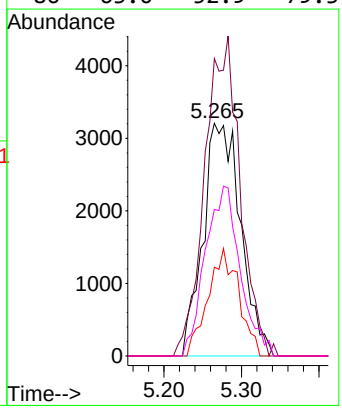


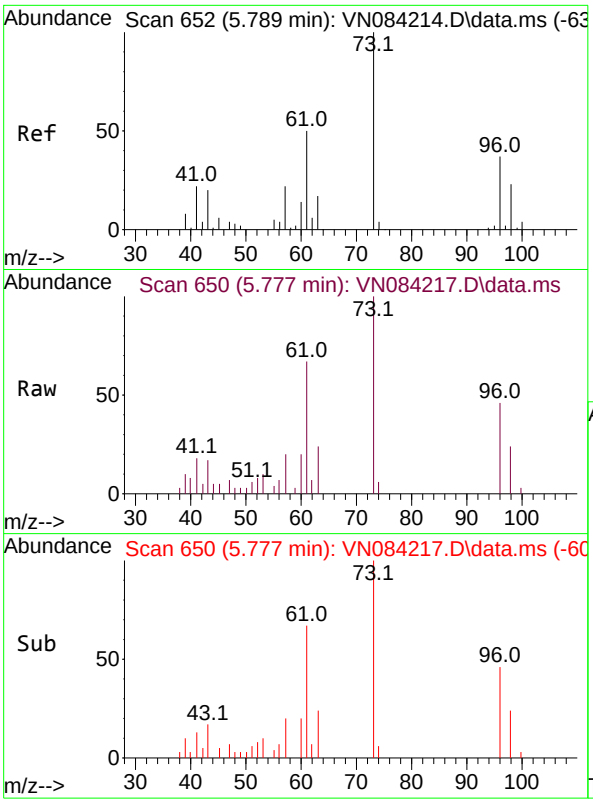


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 84 Resp: 10809

Ion	Ratio	Lower	Upper
84	100		
49	127.8	107.2	160.8
51	38.2	31.8	47.8
86	63.0	52.9	79.3



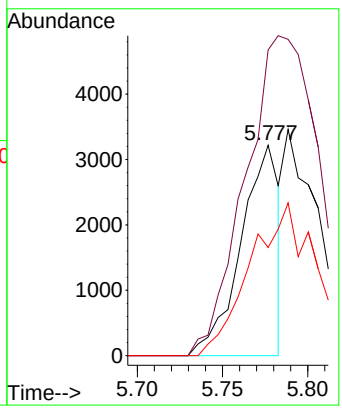


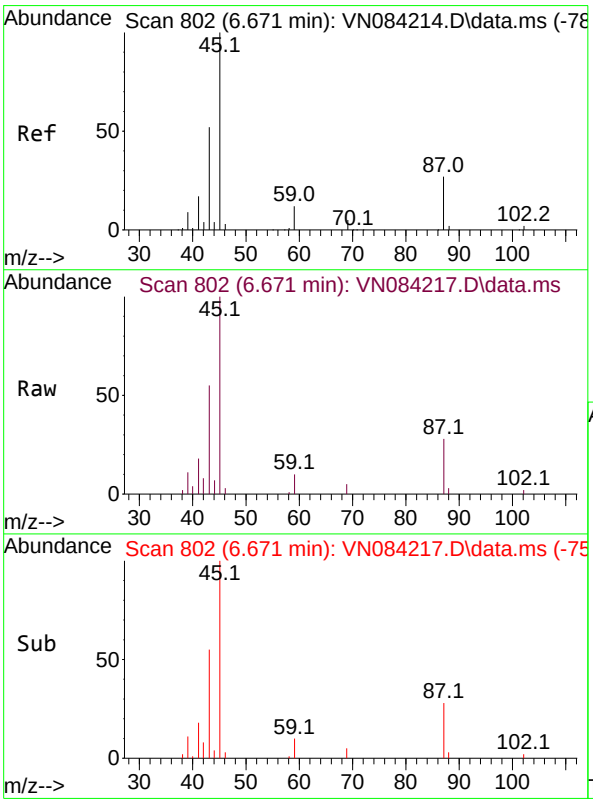
#21
trans-1,2-Dichloroethene
Concen: 2.626 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 5005

Ion	Ratio	Lower	Upper
96	100		
61	145.3	108.4	162.6
98	51.4	49.8	74.8

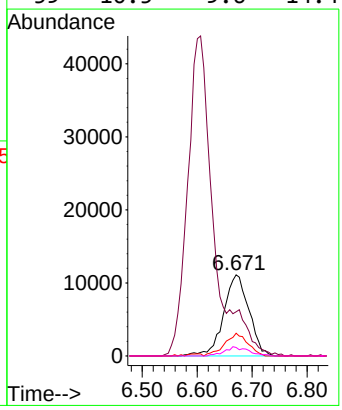


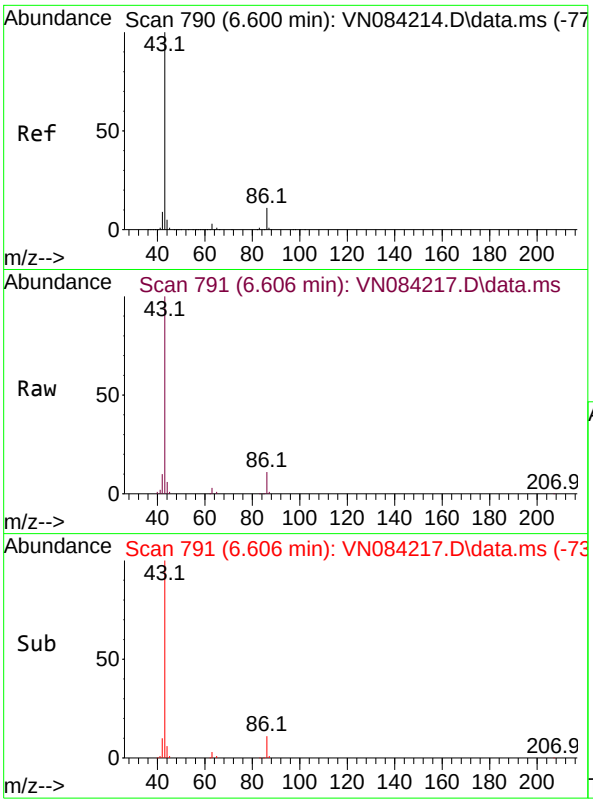


#22
Diisopropyl ether
Concen: 5.457 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 45 Resp: 35654

Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.3	63.5
87	28.1	21.8	32.6
59	10.5	9.6	14.4



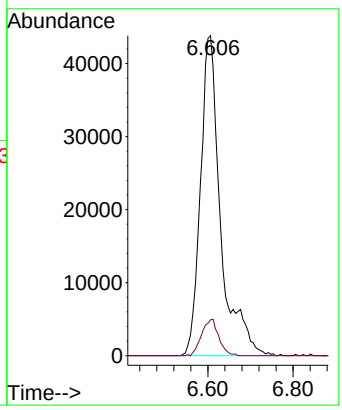


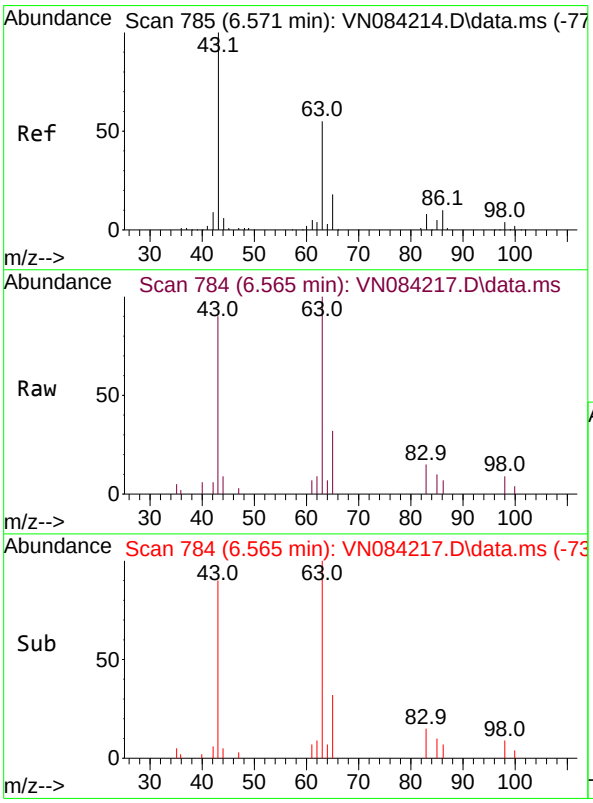
#23
Vinyl Acetate
Concen: 29.570 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 144069

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

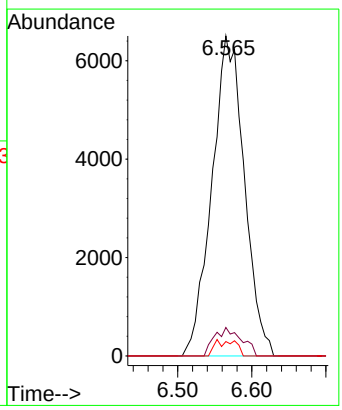


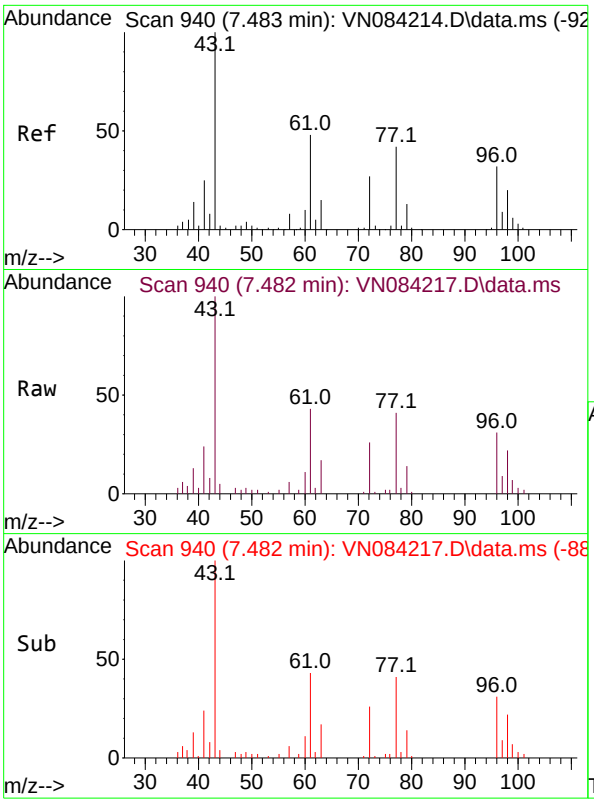


#24
1,1-Dichloroethane
Concen: 5.419 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 19800

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.4	10.2
100	4.5	2.0	5.8



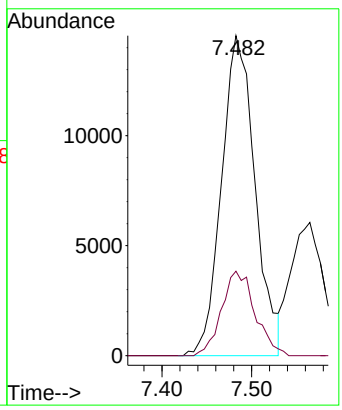


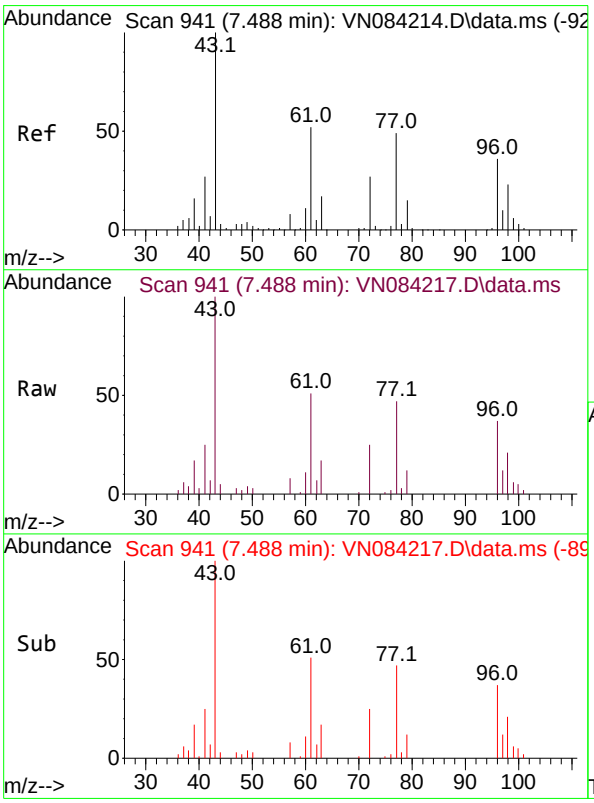
#25
2-Butanone
Concen: 26.929 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 37739

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

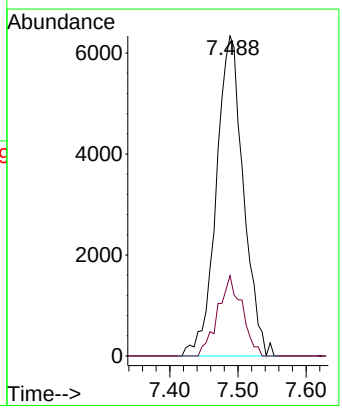


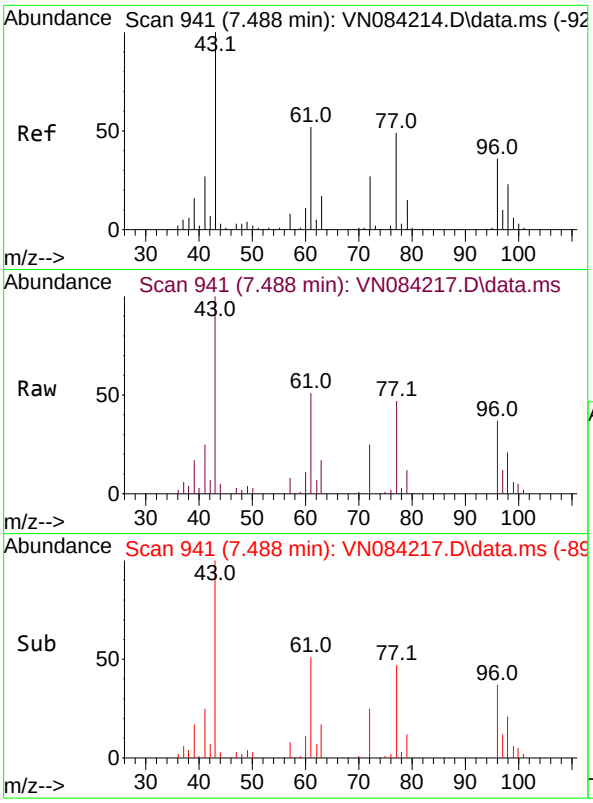


#26
2,2-Dichloropropane
Concen: 5.327 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 77 Resp: 17552

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



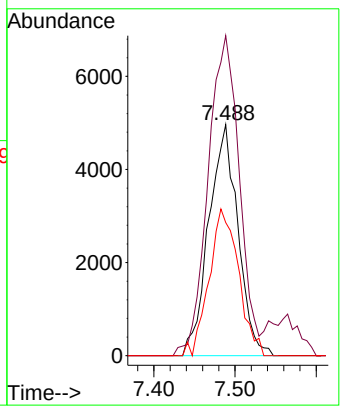


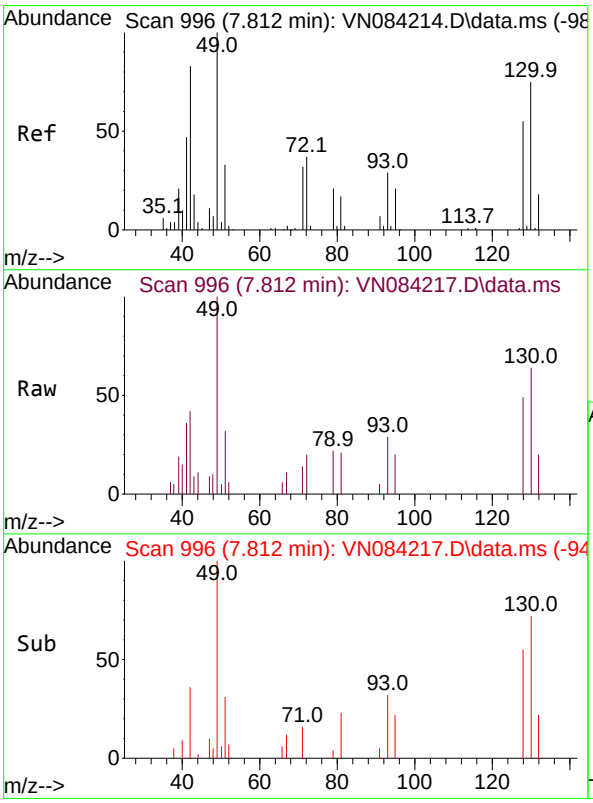
#27
cis-1,2-Dichloroethene
Concen: 5.380 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 12388

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	301.8
98	64.1	0.0	128.2

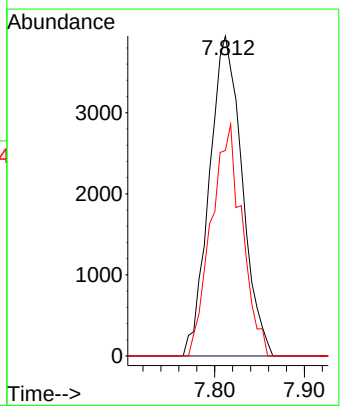


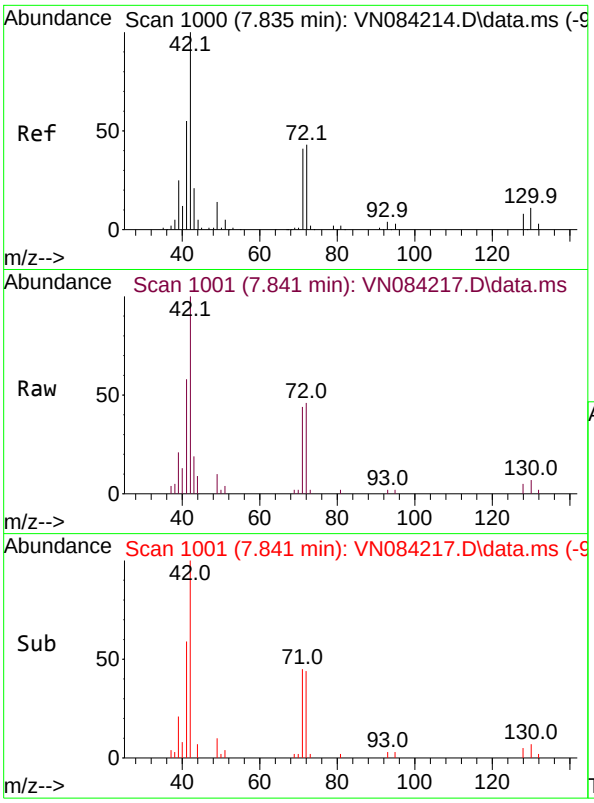


#28
Bromochloromethane
Concen: 6.131 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 49 Resp: 9996

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	68.3	58.0	87.0



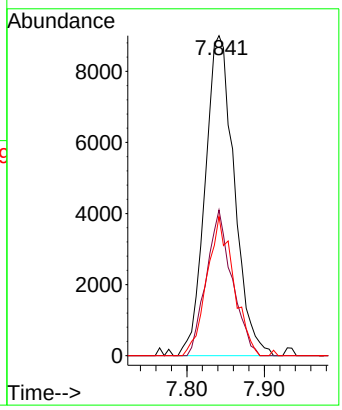


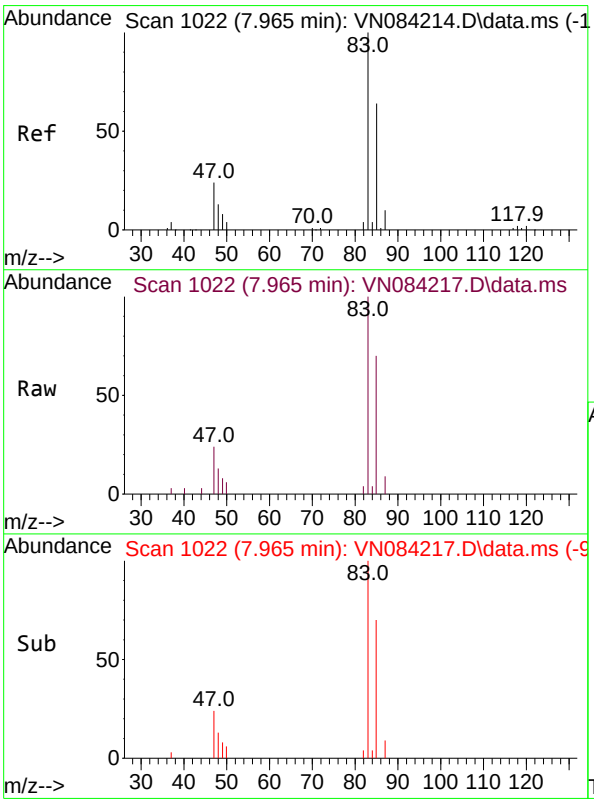
#29
Tetrahydrofuran
Concen: 27.121 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 23456

Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.6	51.8
71	40.1	32.2	48.4

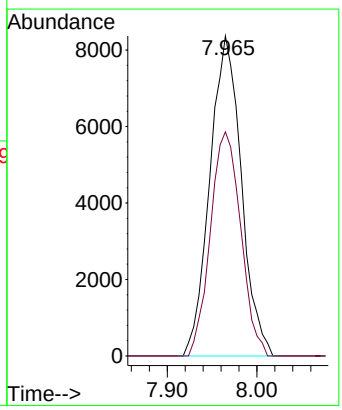


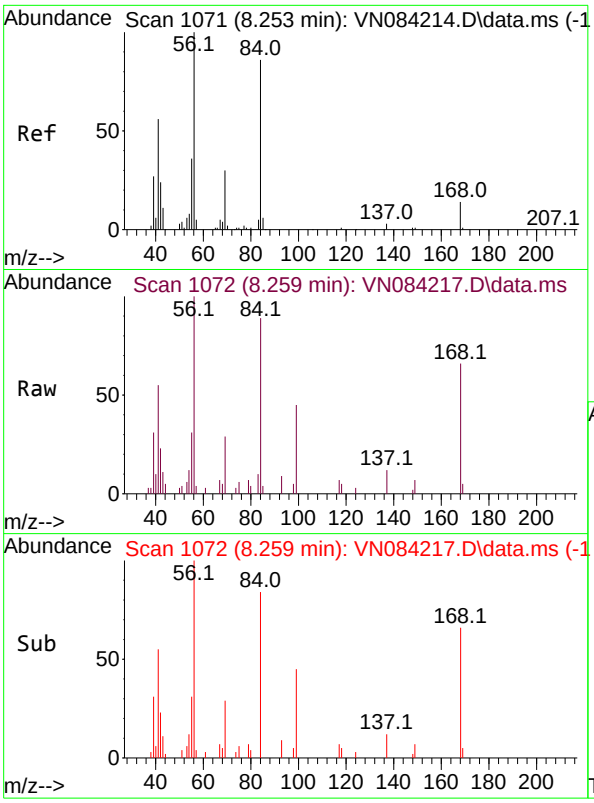


#30
Chloroform
Concen: 5.359 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 20341

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.0	76.4



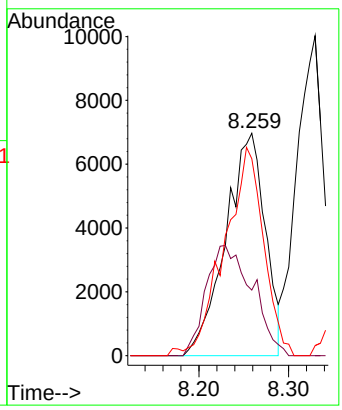


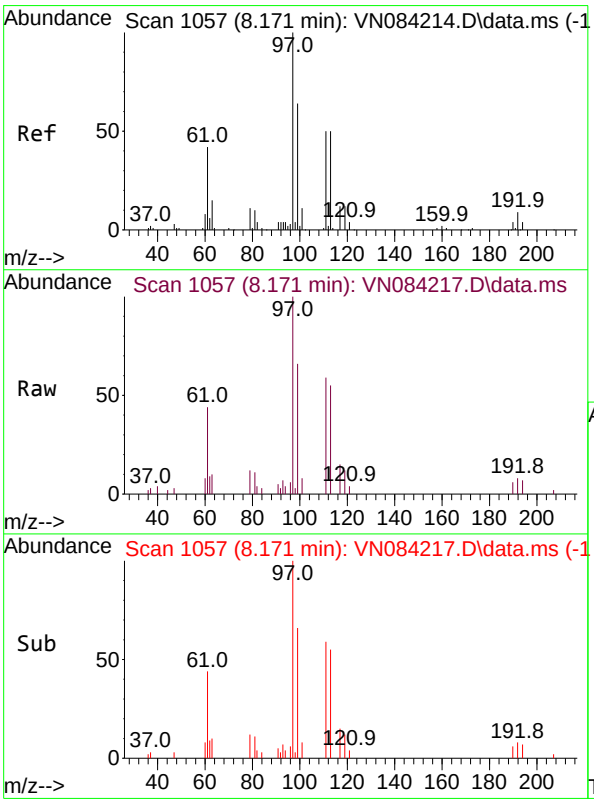
#31
Cyclohexane
Concen: 6.014 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 21337

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	85.5	68.8	103.2

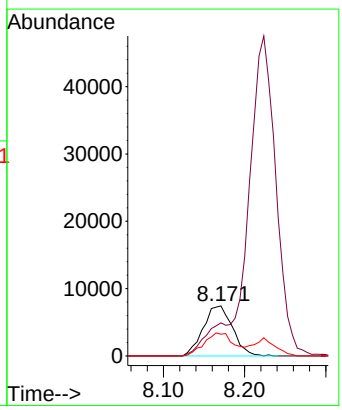


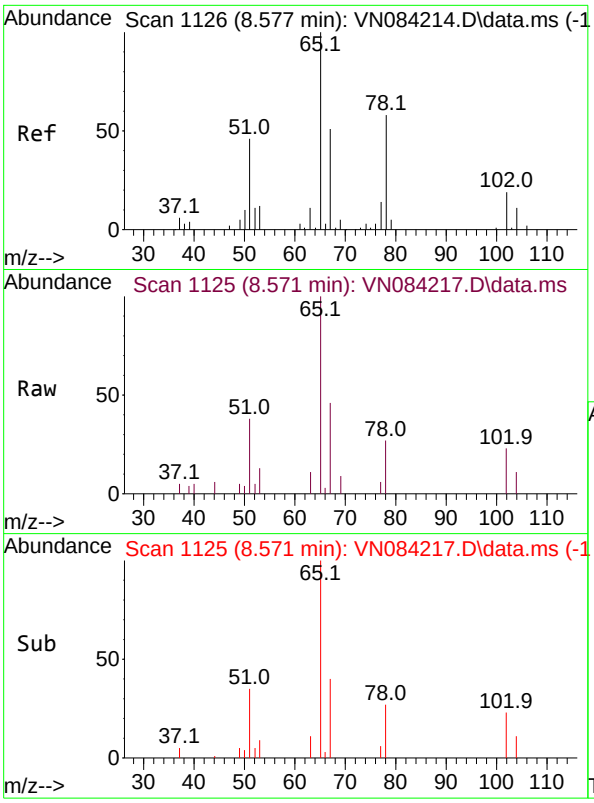


#32
1,1,1-Trichloroethane
Concen: 5.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 97 Resp: 18635

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	47.1	37.5	56.3



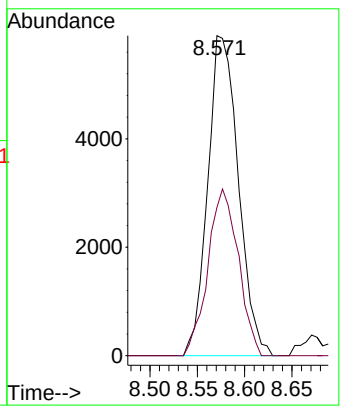


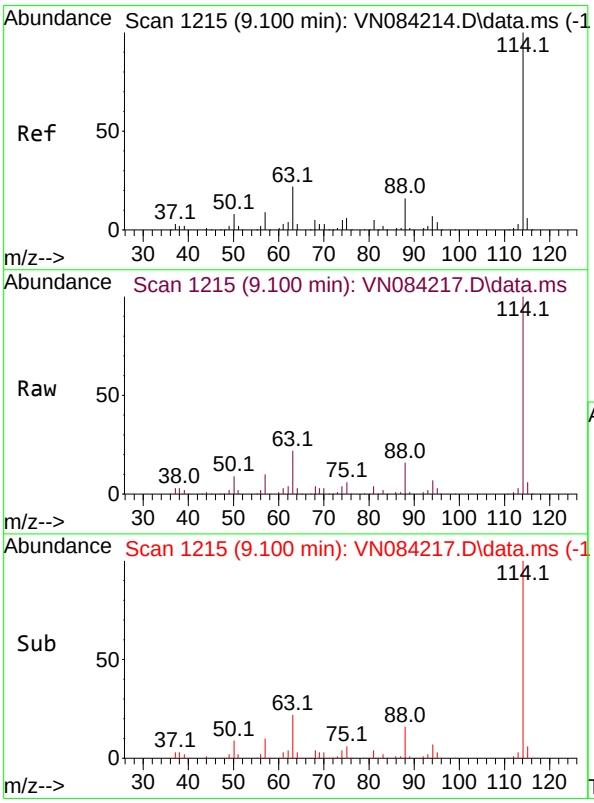
#33
1,2-Dichloroethane-d4
Concen: 5.537 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13262

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0

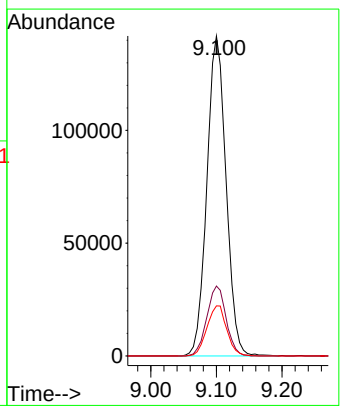


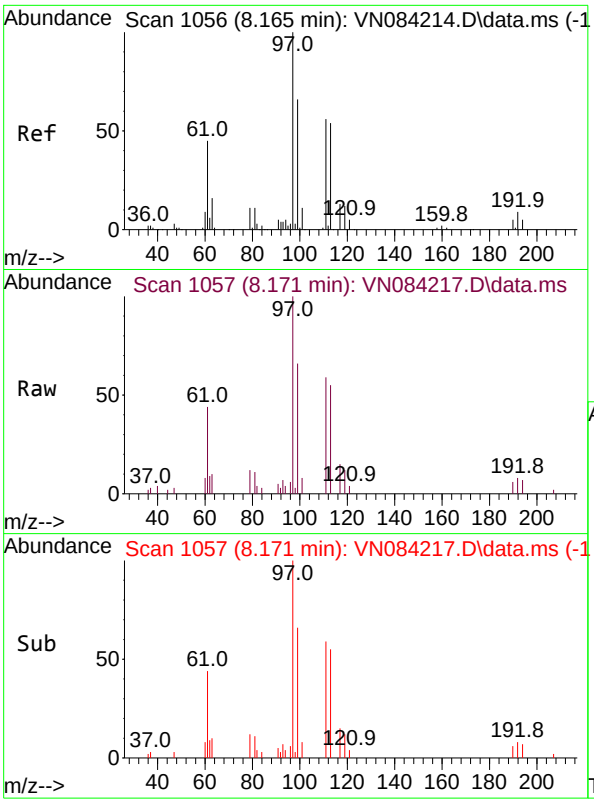


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:114 Resp: 288067

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.8
88	15.7	0.0	31.6



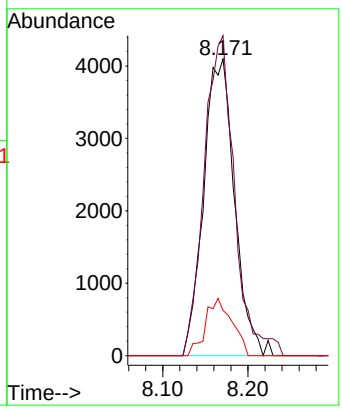


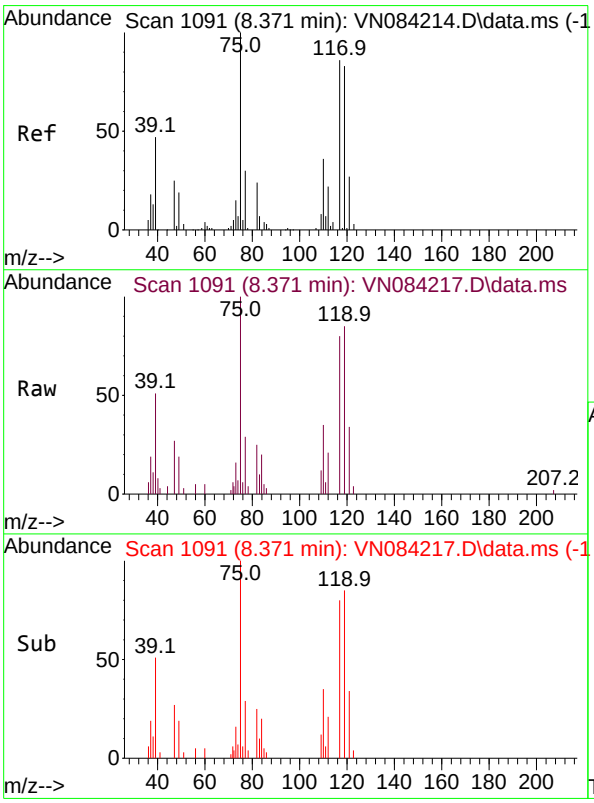
#35
Dibromofluoromethane
Concen: 5.441 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10333

Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.3	124.9
192	16.6	13.5	20.3

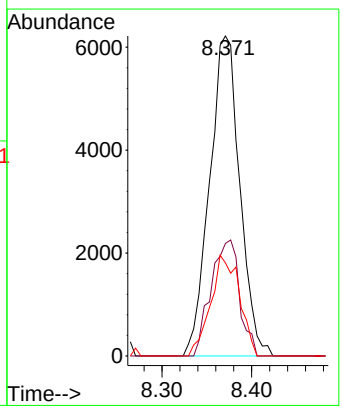


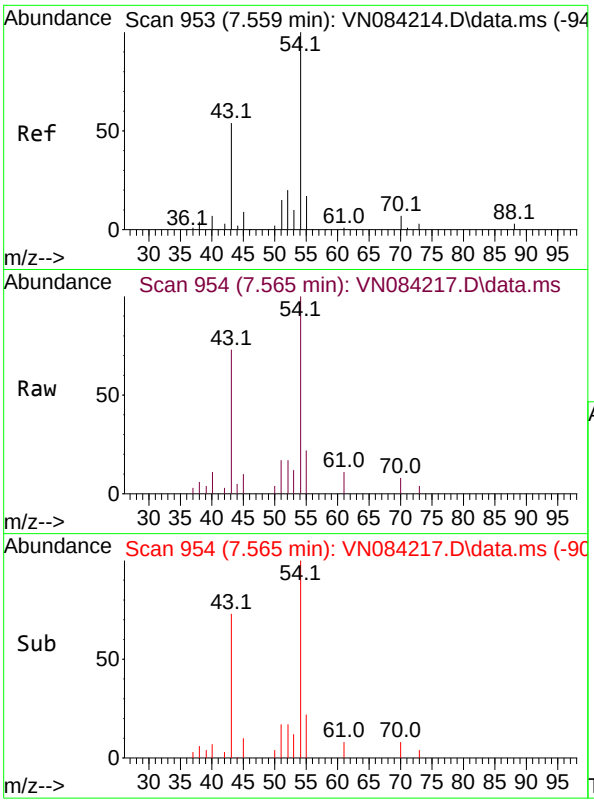


#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 14527

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.7
77	30.0	24.7	37.1



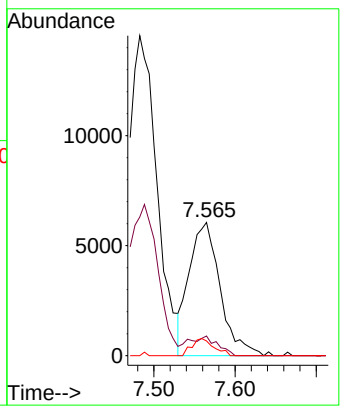


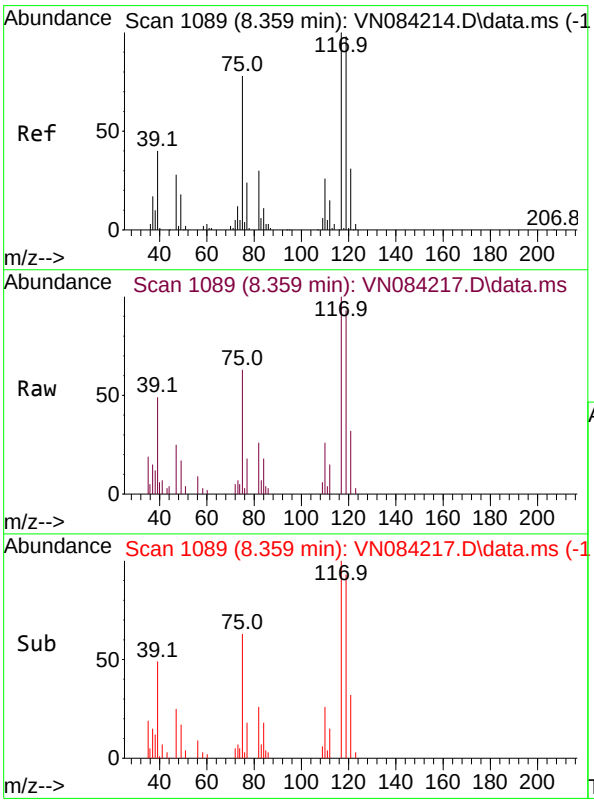
#37
Ethyl Acetate
Concen: 5.702 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 16138

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.0	8.8	13.2

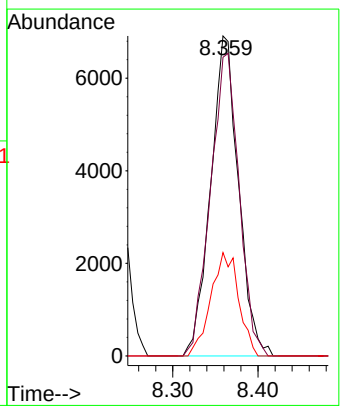


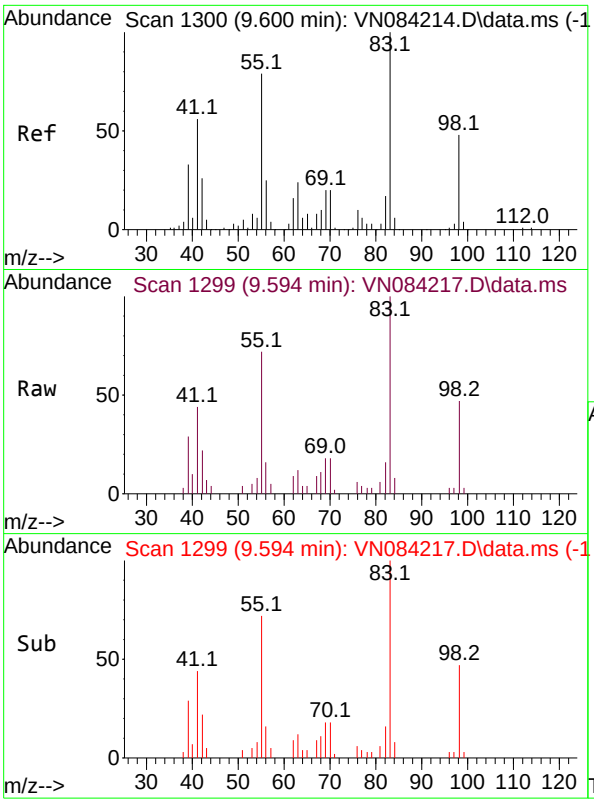


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 15700

Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.7	118.1
121	32.3	24.4	36.6



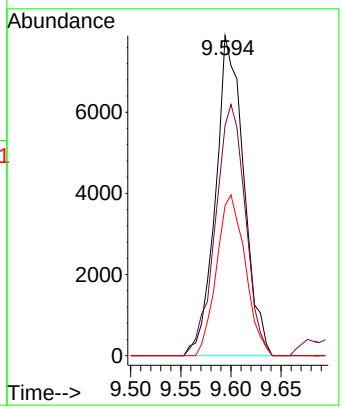


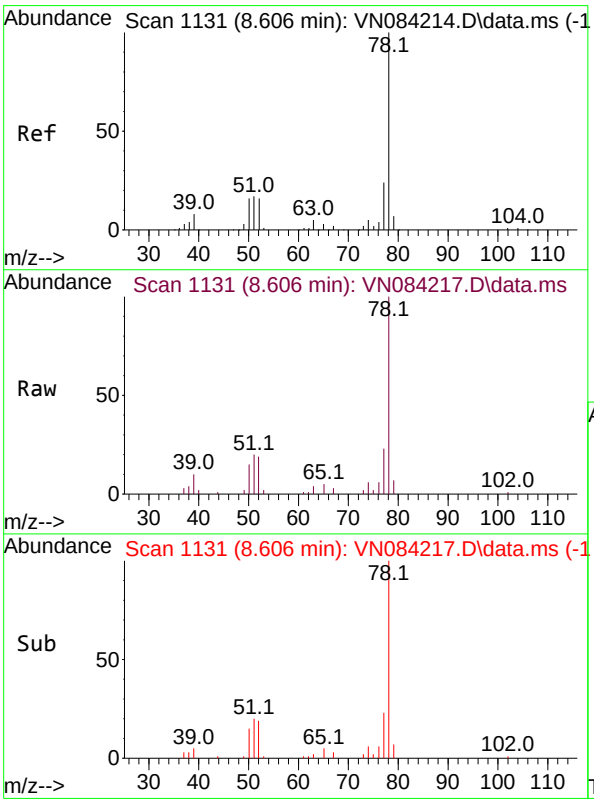
#39
Methylcyclohexane
Concen: 5.009 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15377

Ion	Ratio	Lower	Upper
83	100		
55	71.9	62.8	94.2
98	46.9	38.8	58.2

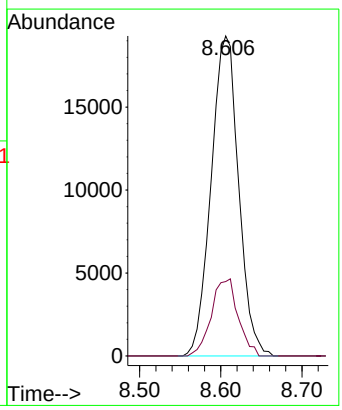


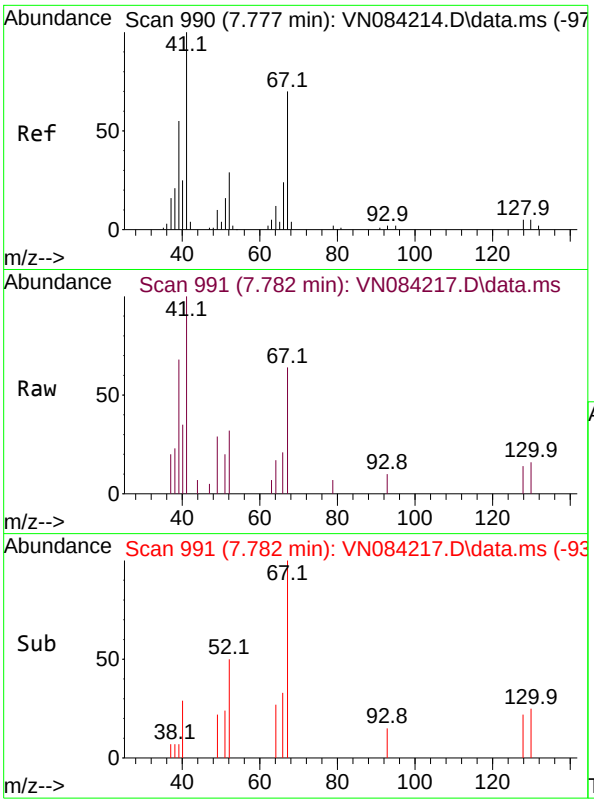


#40
Benzene
Concen: 5.276 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 78 Resp: 45343

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



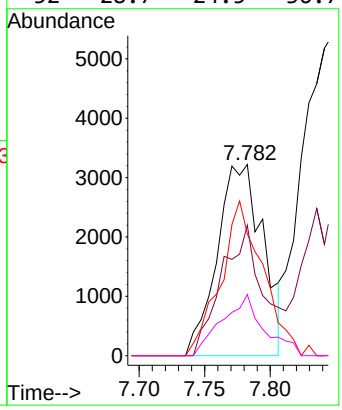


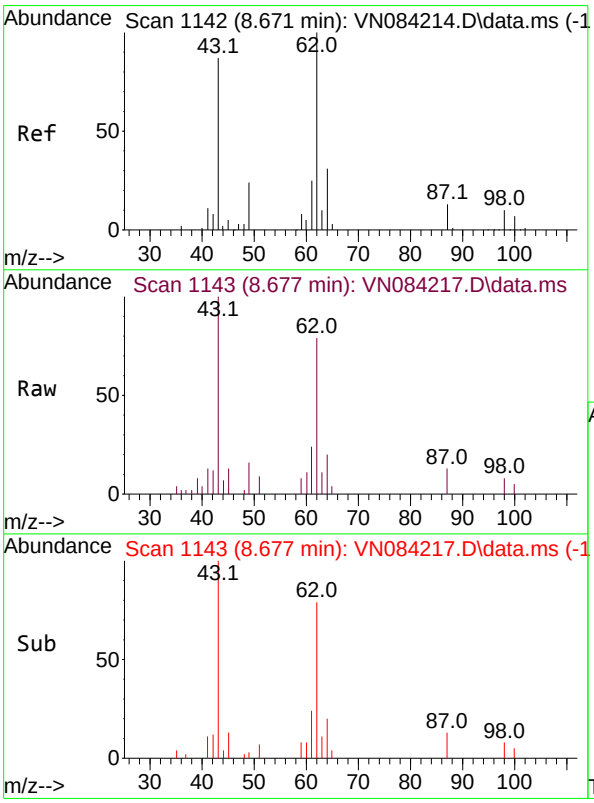
#41
Methacrylonitrile
Concen: 5.128 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7878

Ion	Ratio	Lower	Upper
41	100		
39	63.1	43.3	64.9
67	74.5	56.1	84.1
52	28.7	24.5	36.7

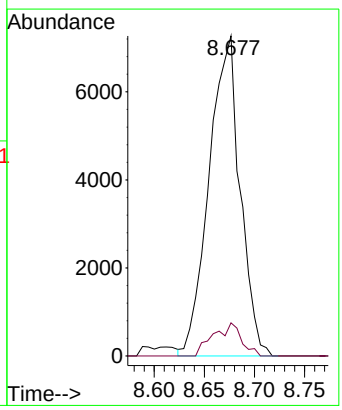


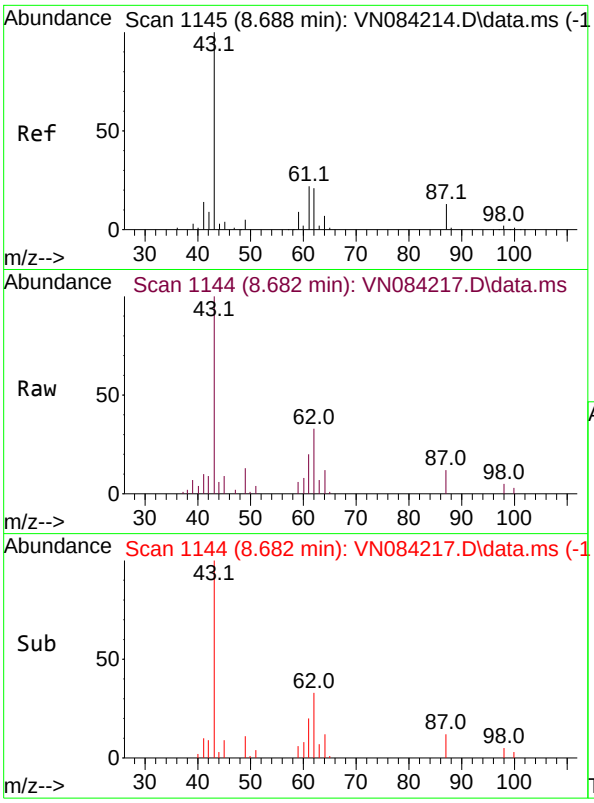


#42
1,2-Dichloroethane
Concen: 5.375 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 15661

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



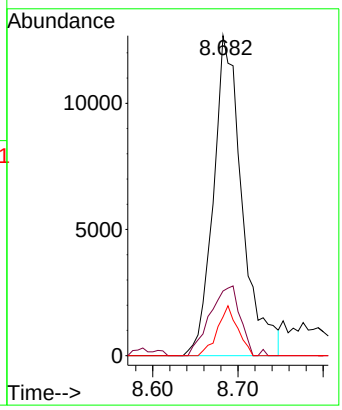


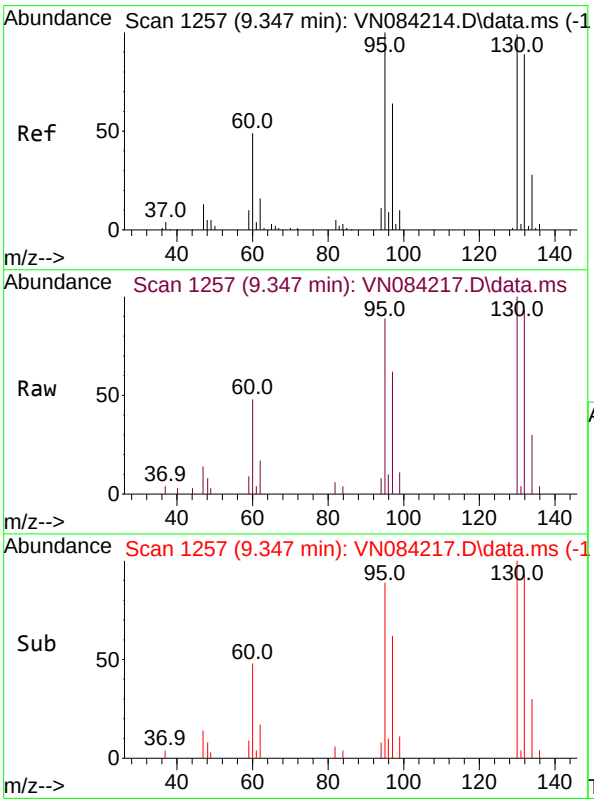
#43
Isopropyl Acetate
Concen: 5.374 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29779

Ion	Ratio	Lower	Upper
43	100		
61	22.6	20.4	30.6
87	11.0	10.3	15.5

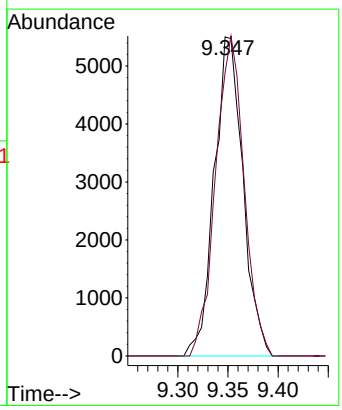


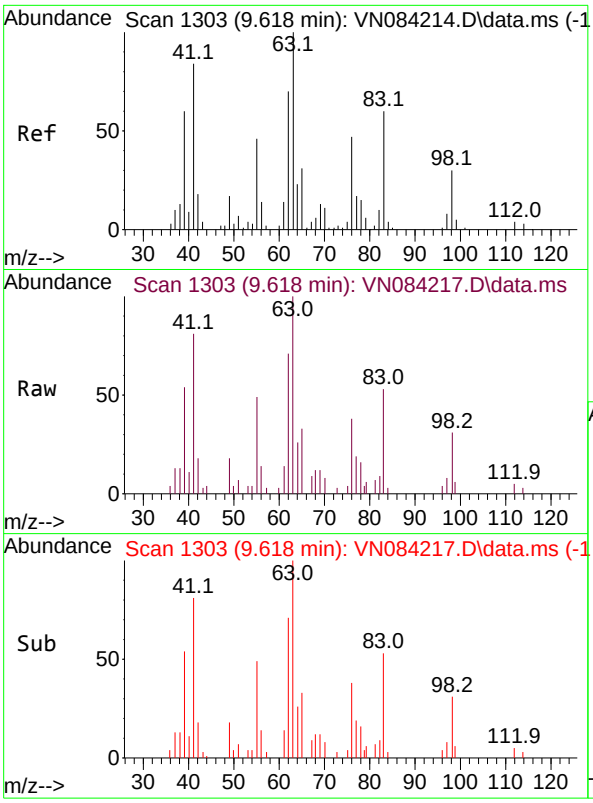


#44
Trichloroethene
Concen: 5.440 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:130 Resp: 10921

Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	203.0



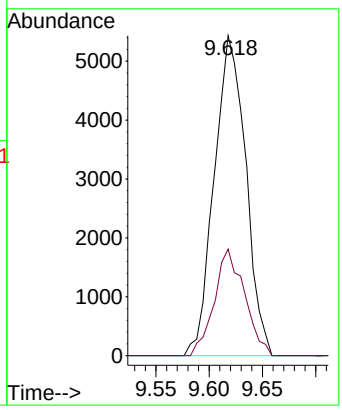


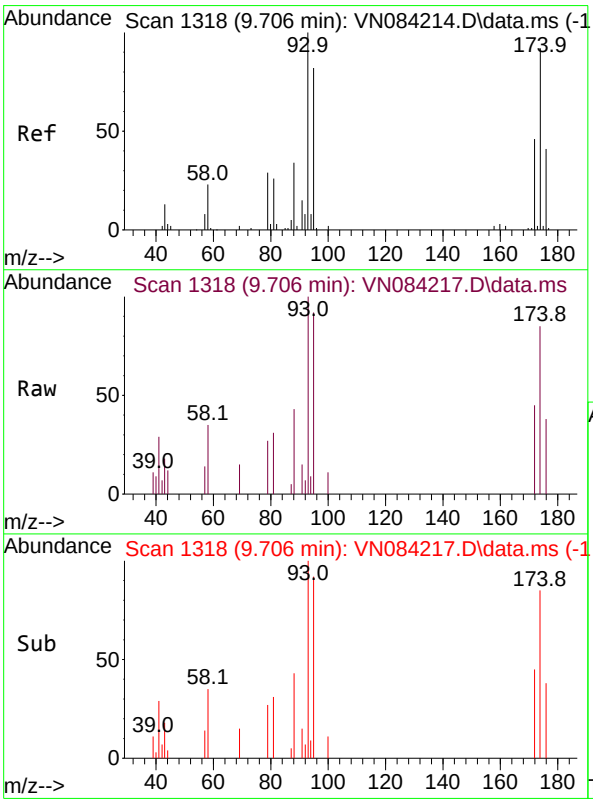
#45
1,2-Dichloropropane
Concen: 5.499 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11181

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0

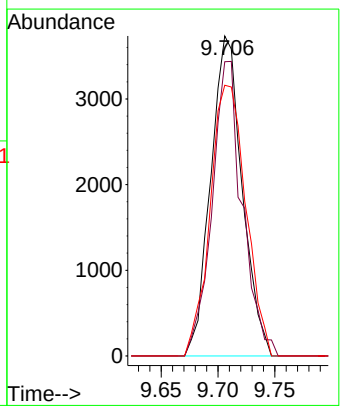


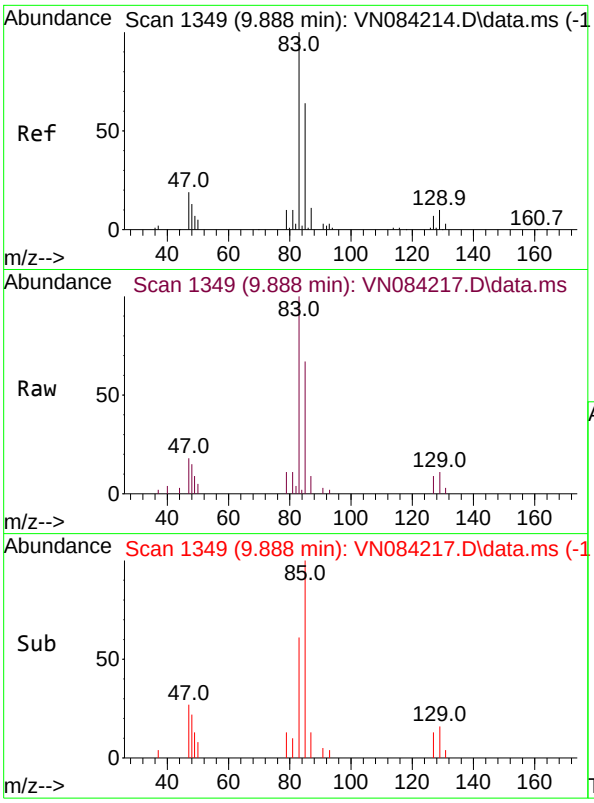


#46
Dibromomethane
Concen: 5.253 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 93 Resp: 7207

Ion	Ratio	Lower	Upper
93	100		
95	88.6	65.0	97.4
174	95.8	71.8	107.8



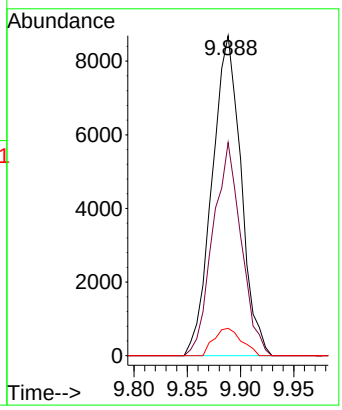


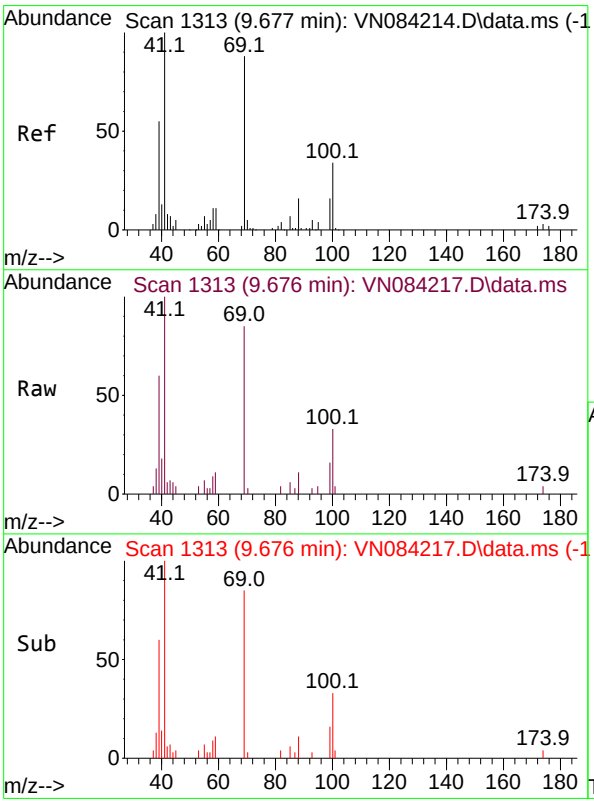
#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 16407

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.5	77.3
127	8.5	5.7	8.5#

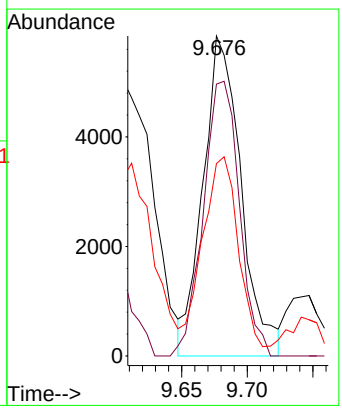


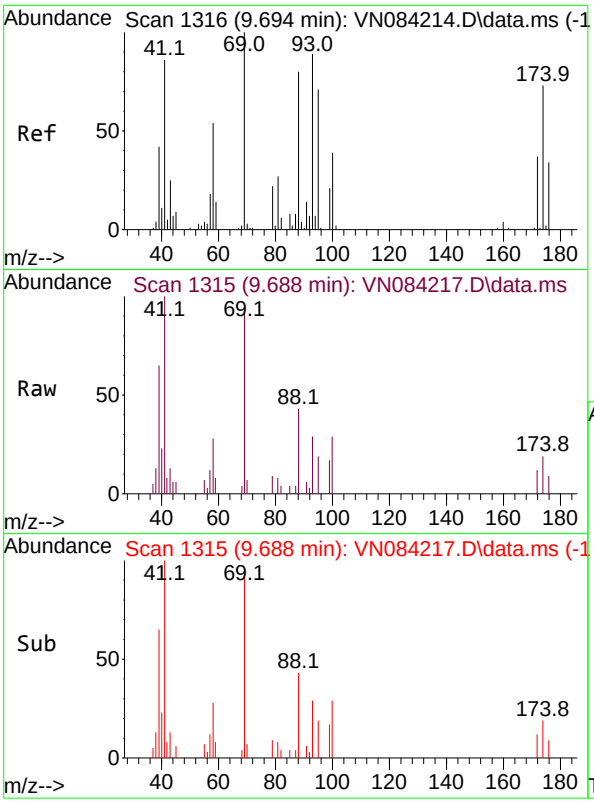


#48
Methyl methacrylate
Concen: 5.332 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 11766

Ion	Ratio	Lower	Upper
41	100		
69	81.4	67.1	100.7
39	60.1	45.8	68.6



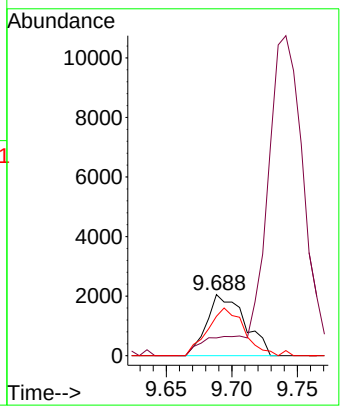


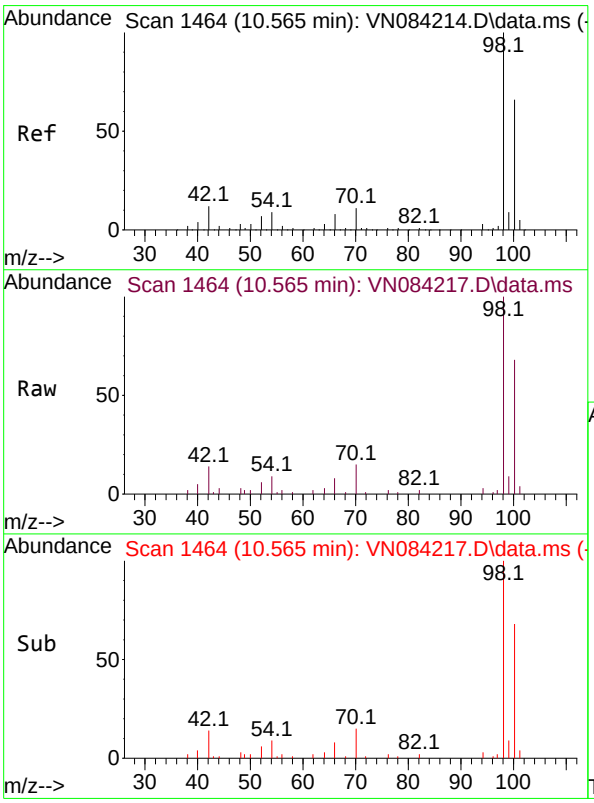
#49
1,4-Dioxane
Concen: 101.444 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 4121

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.7	56.4	84.6

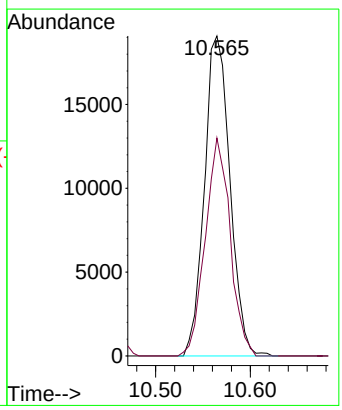


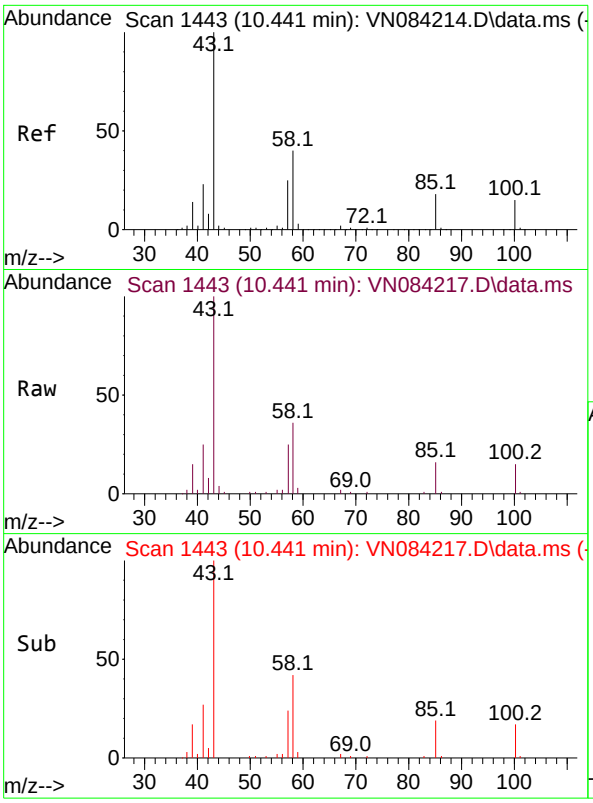


#50
Toluene-d8
Concen: 5.121 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 98 Resp: 35782

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1



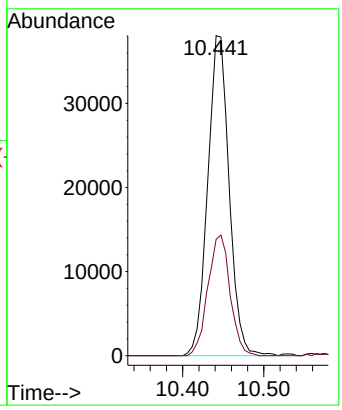


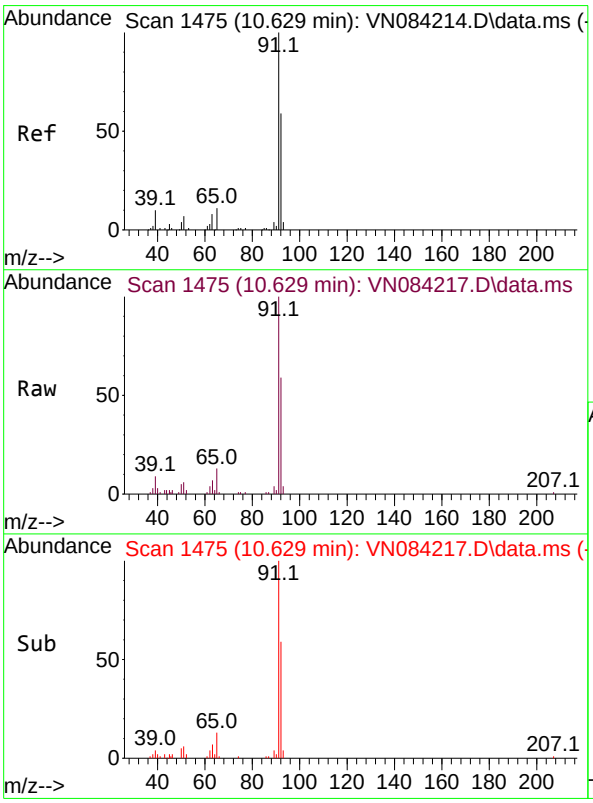
#51
4-Methyl-2-Pentanone
Concen: 25.883 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 69730

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4

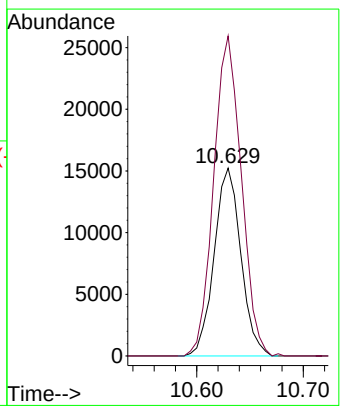


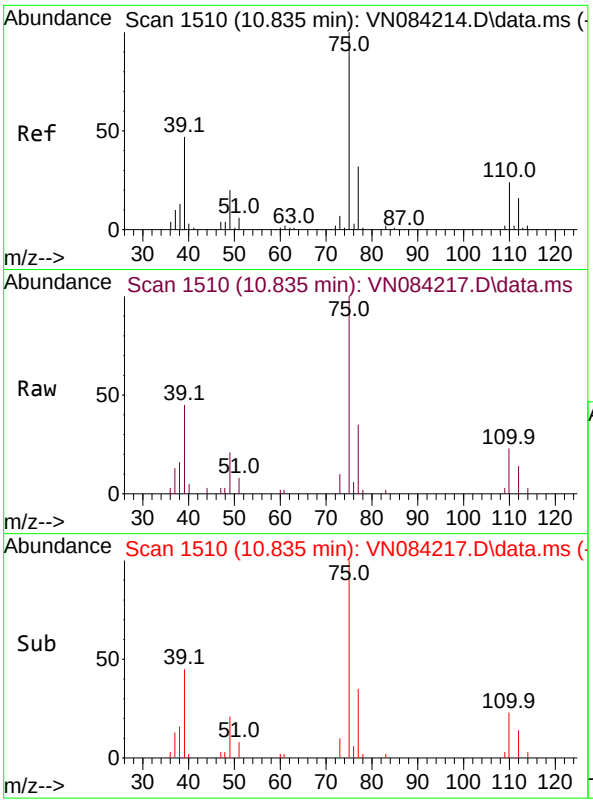


#52
Toluene
Concen: 5.054 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 92 Resp: 26489

Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.3	205.9



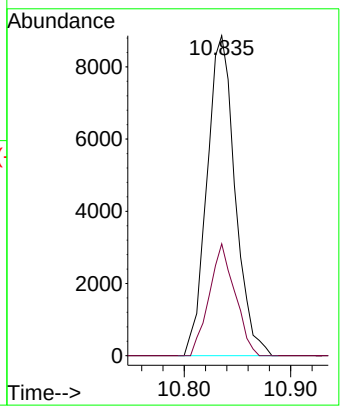


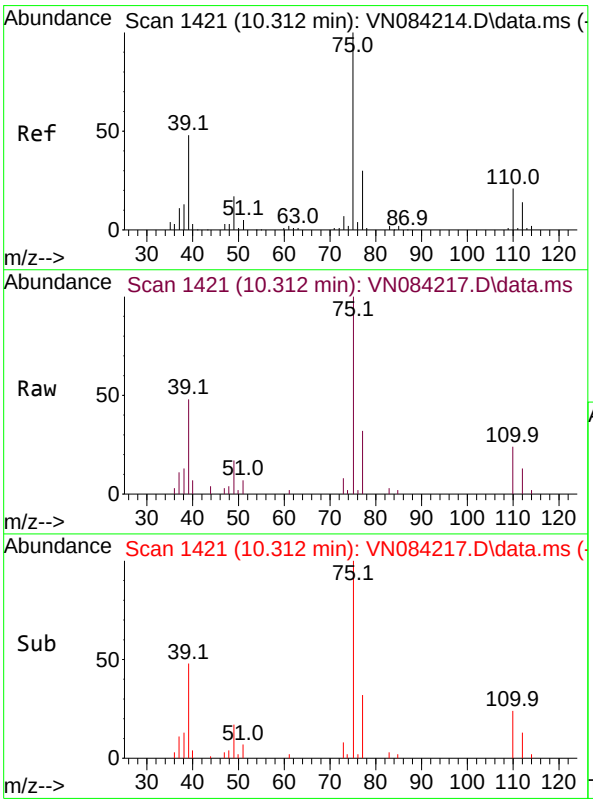
#53
t-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16242

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.0

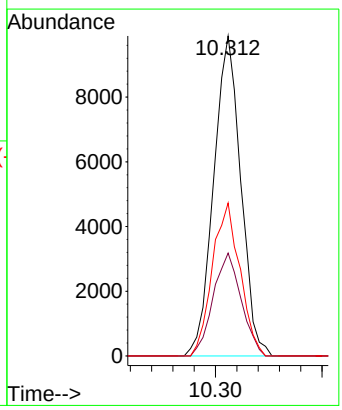


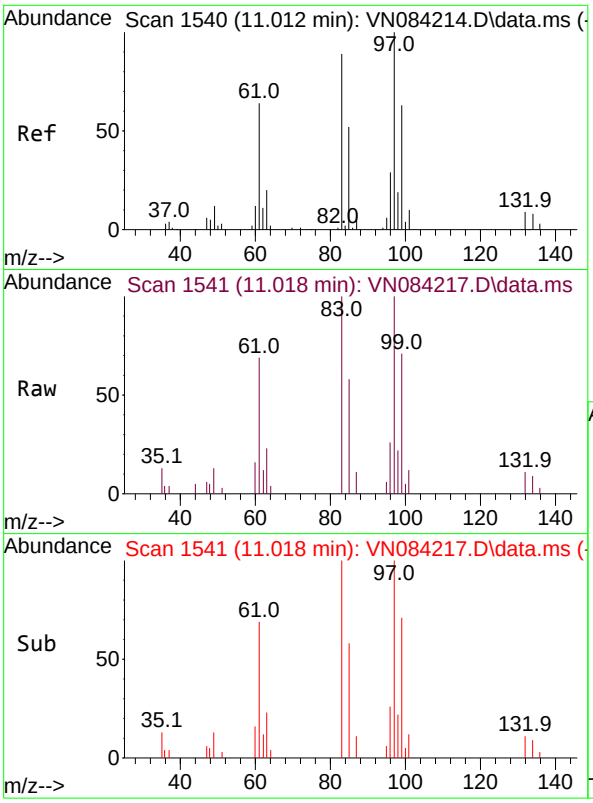


#54
cis-1,3-Dichloropropene
Concen: 5.220 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 17448

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.2	36.2
39	47.8	38.7	58.1



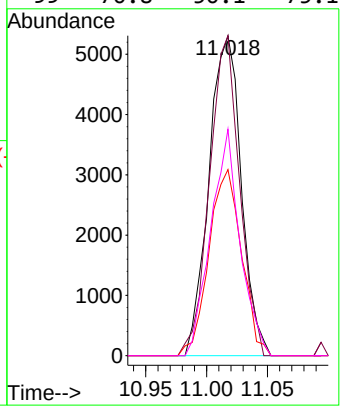


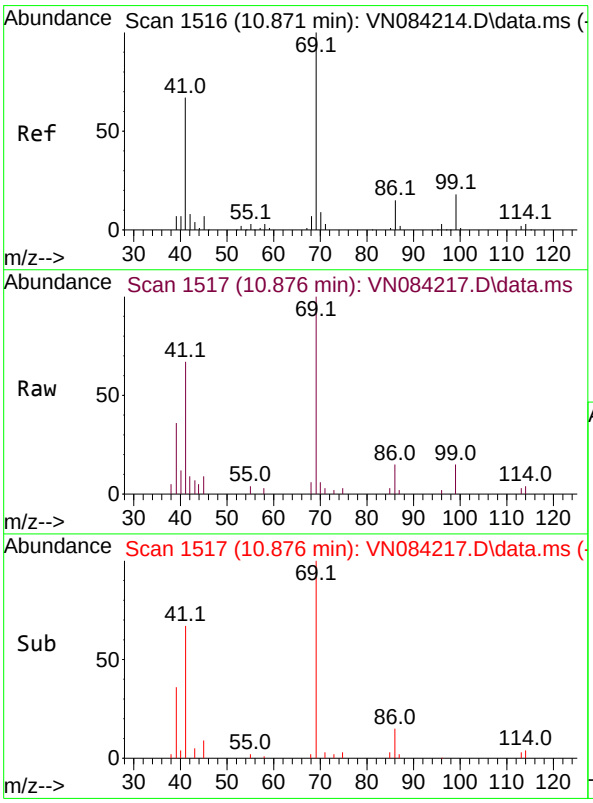
#55
1,1,2-Trichloroethane
Concen: 5.219 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 9805

Ion	Ratio	Lower	Upper
97	100		
83	100.1	71.0	106.4
85	58.2	41.7	62.5
99	70.8	50.1	75.1

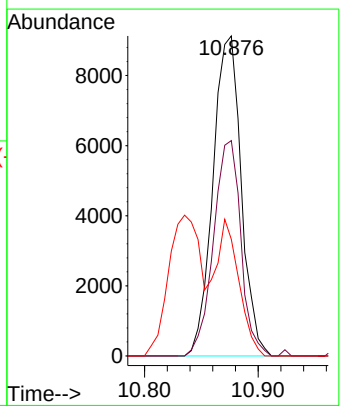


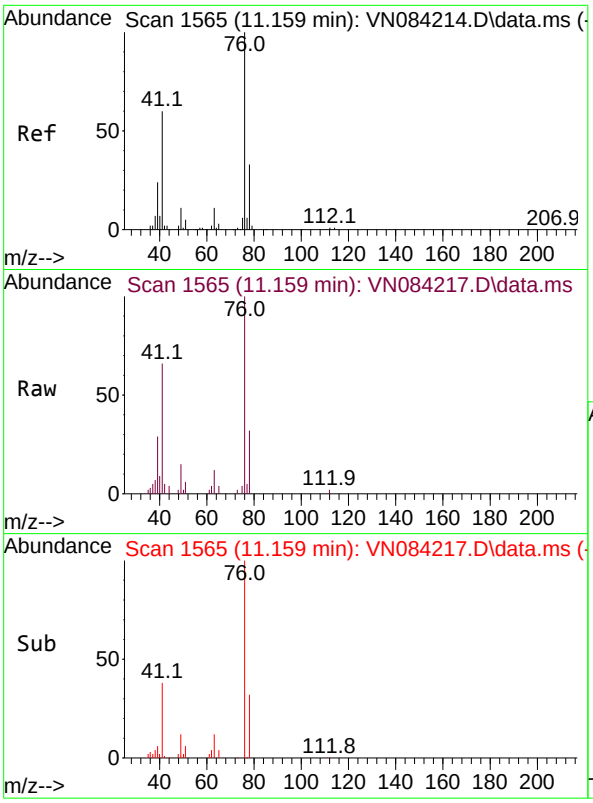


#56
Ethyl methacrylate
Concen: 5.109 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 69 Resp: 15794

Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.3	79.9
39	31.7	28.8	43.2



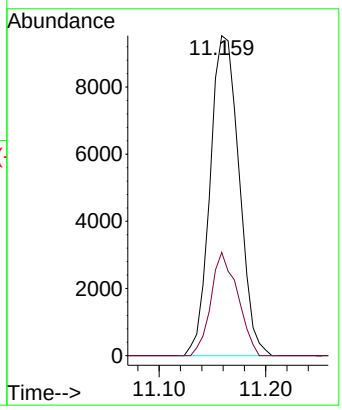


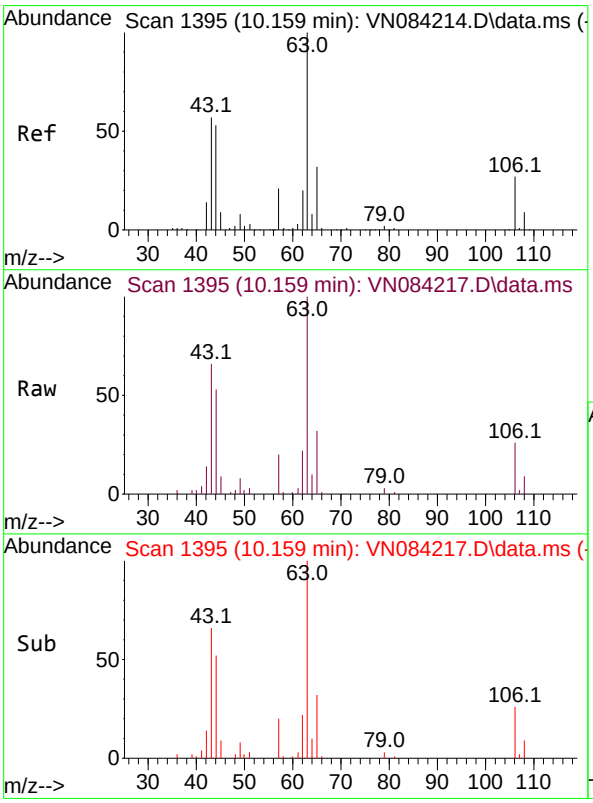
#57
1,3-Dichloropropane
Concen: 5.348 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 17954

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6

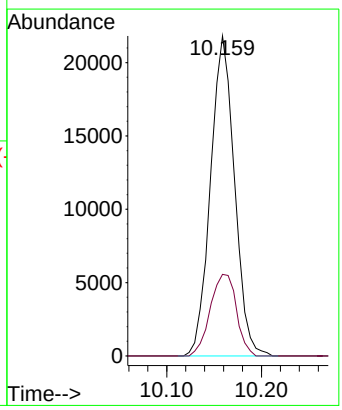


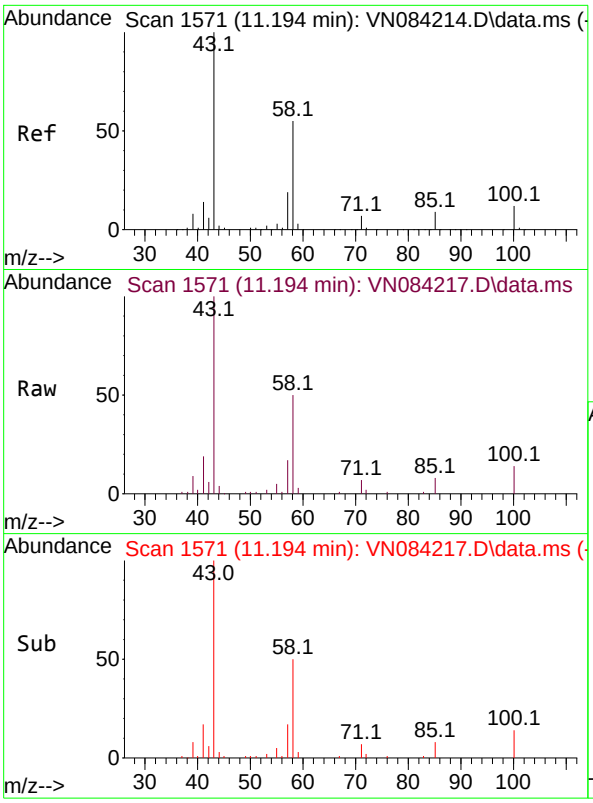


#58
2-Chloroethyl Vinyl ether
Concen: 26.787 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 38417

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6



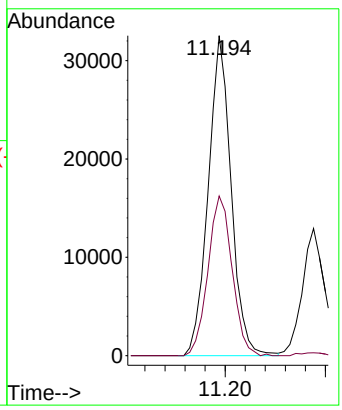


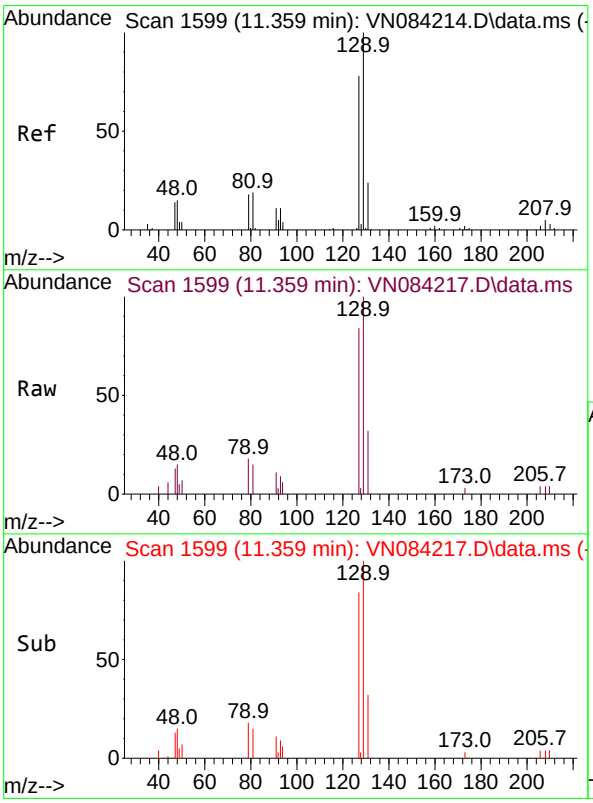
#59
2-Hexanone
Concen: 25.570 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 51488

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8

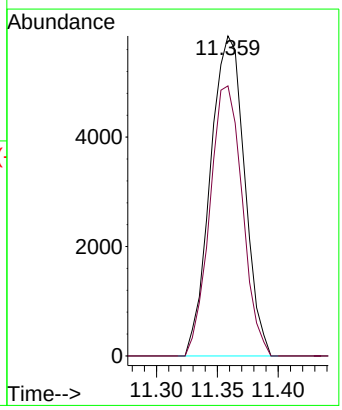


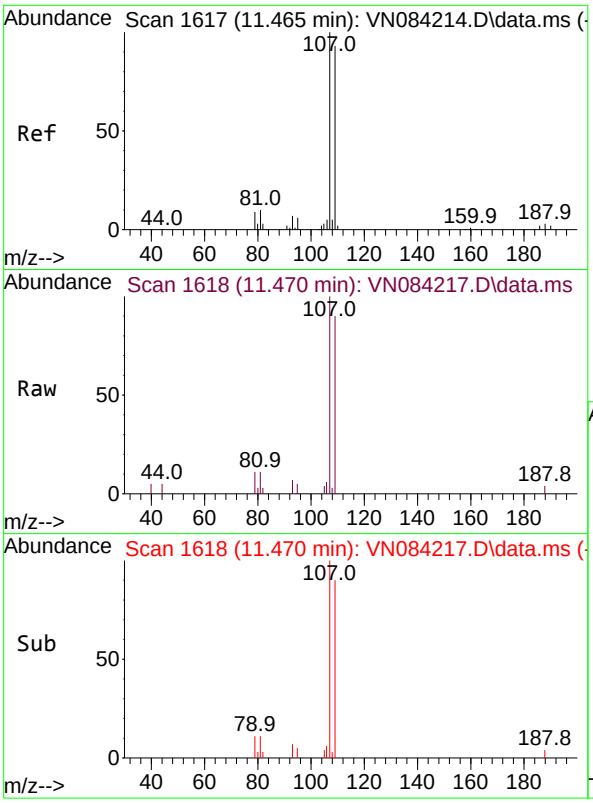


#60
Dibromochloromethane
Concen: 5.141 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:129 Resp: 11412

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.3	114.9



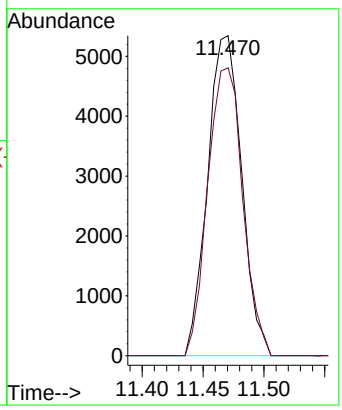


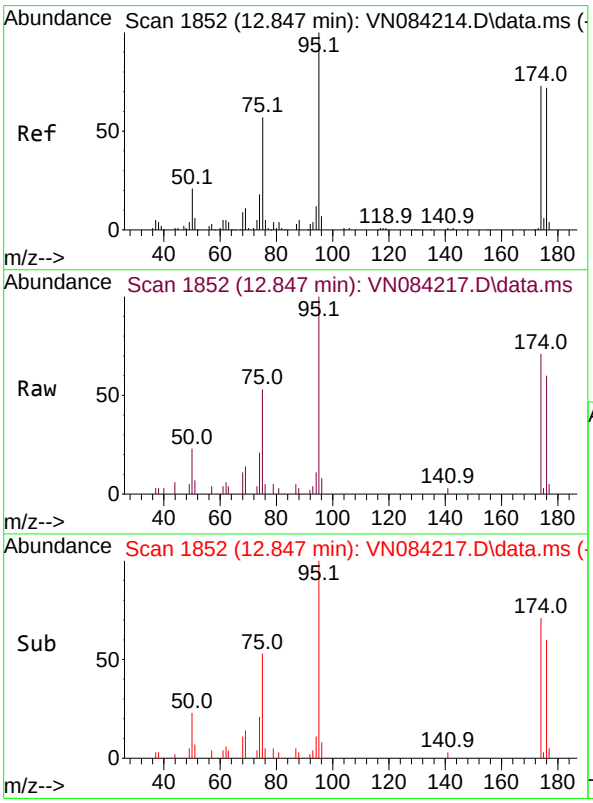
#61
1,2-Dibromoethane
Concen: 5.324 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10394

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.0

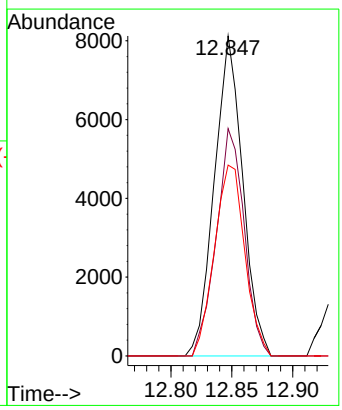


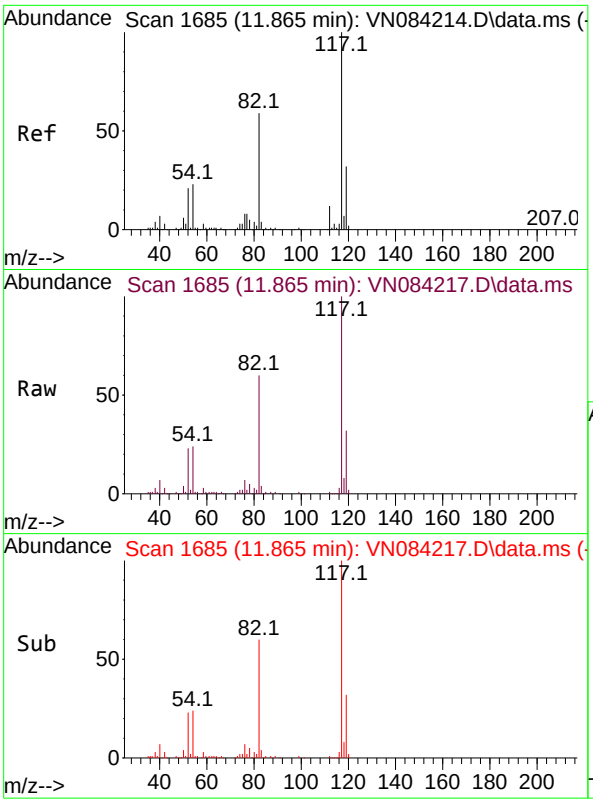


#62
4-Bromofluorobenzene
Concen: 5.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 95 Resp: 13132

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	145.2
176	64.1	0.0	140.0



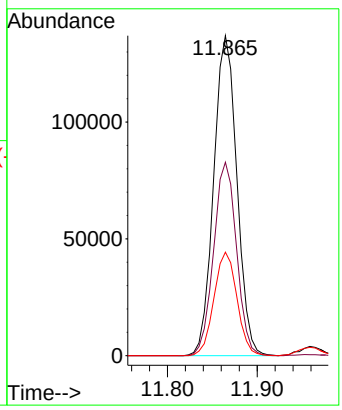


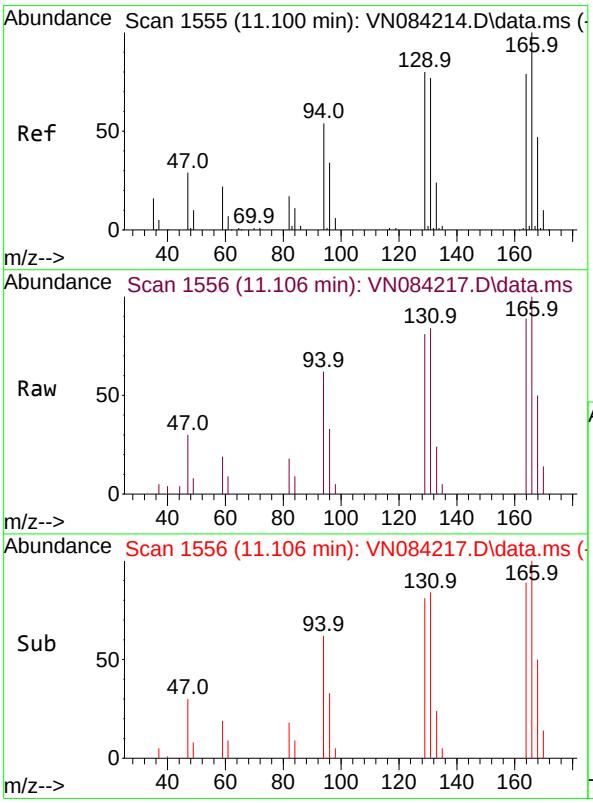
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 245710

Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	32.4	25.4	38.0

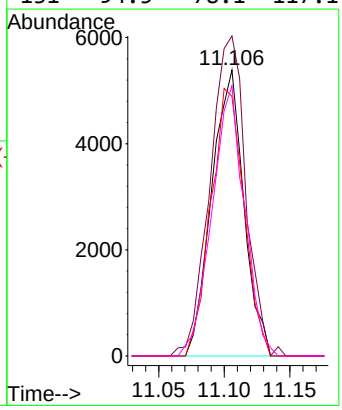


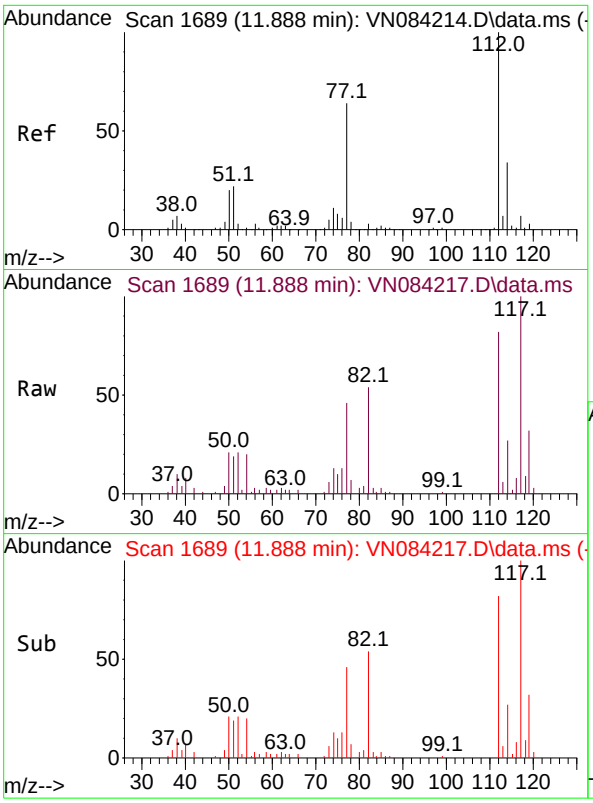


#64
Tetrachloroethene
Concen: 5.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:164 Resp: 9167

Ion	Ratio	Lower	Upper
164	100		
166	109.1	101.0	151.4
129	90.7	80.8	121.2
131	94.5	78.1	117.1



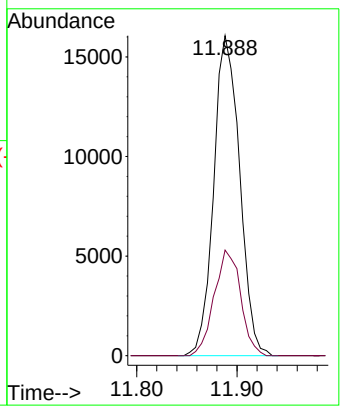


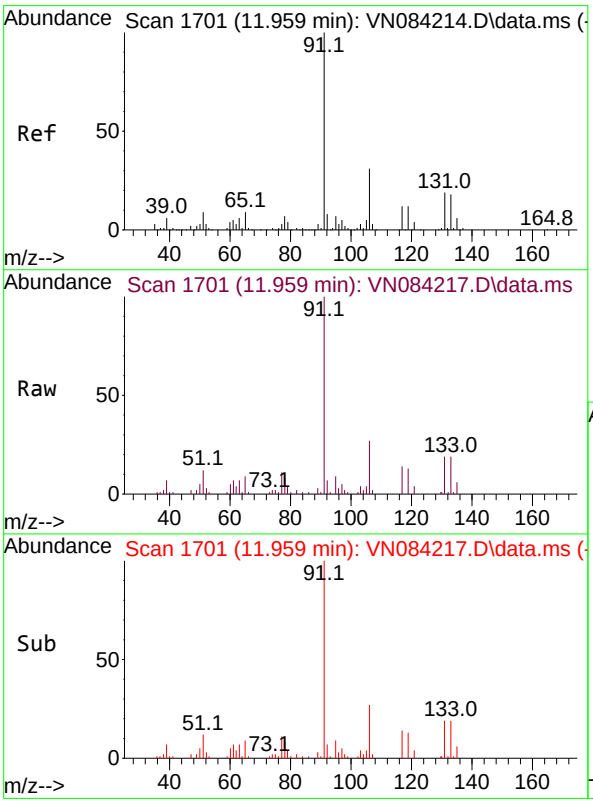
#65
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 28818

Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.0	40.6

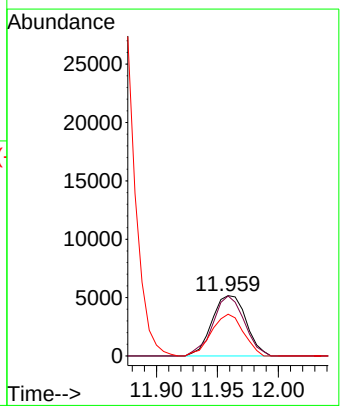


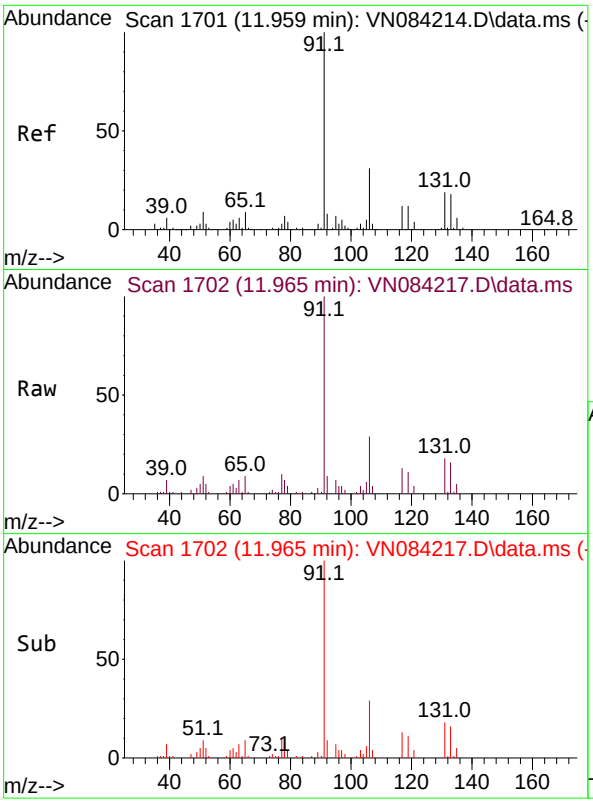


#66
1,1,1,2-Tetrachloroethane
Concen: 5.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:131 Resp: 10054

Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.9	143.7
119	64.8	32.8	98.3



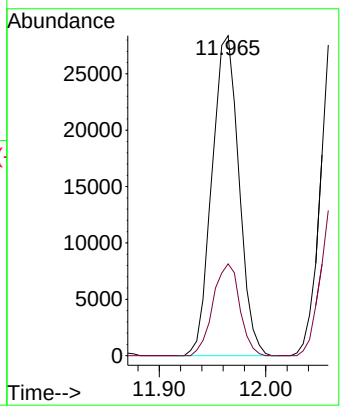


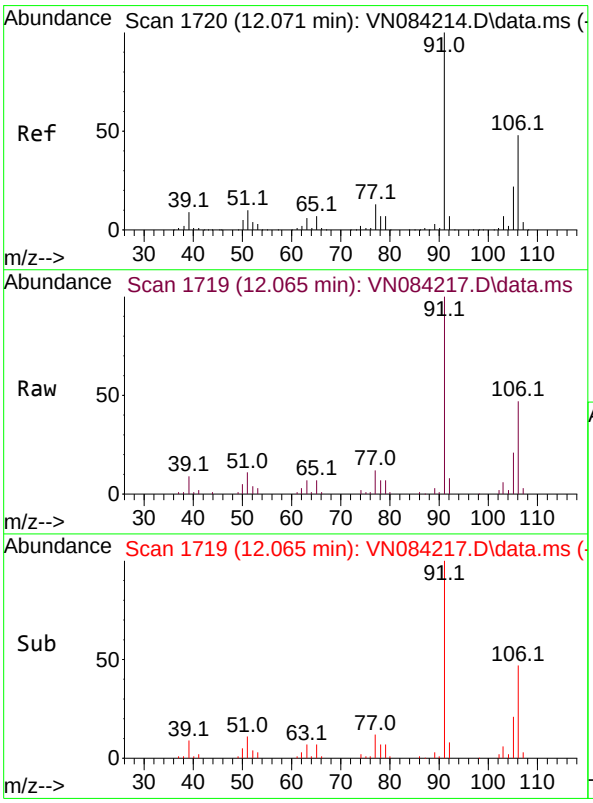
#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 49891

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7

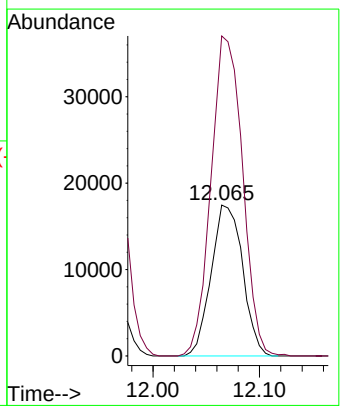


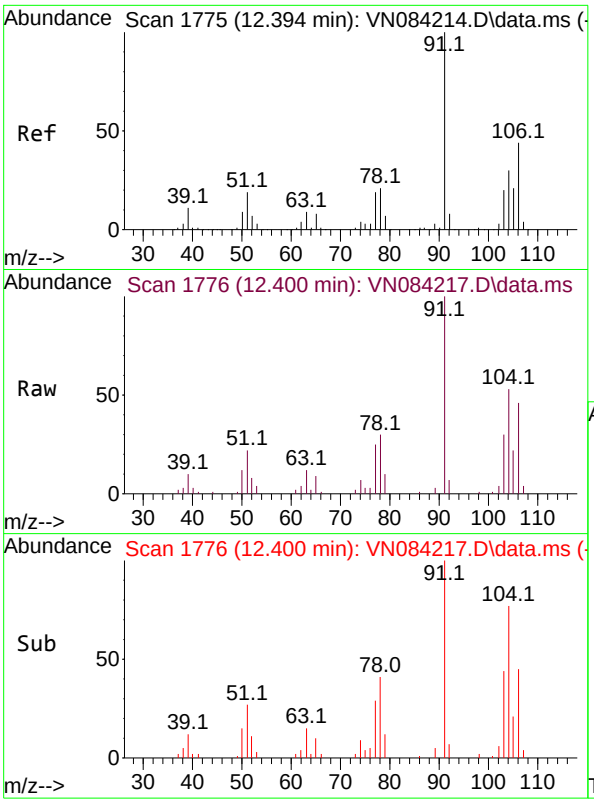


#68
m/p-Xylenes
Concen: 10.051 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 35820

Ion	Ratio	Lower	Upper
106	100		
91	212.5	167.1	250.7



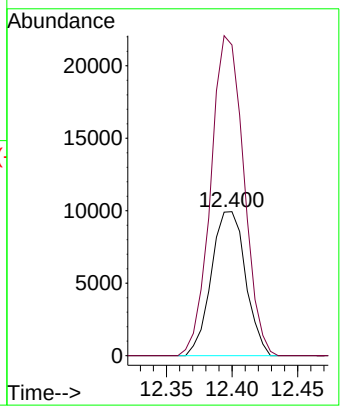


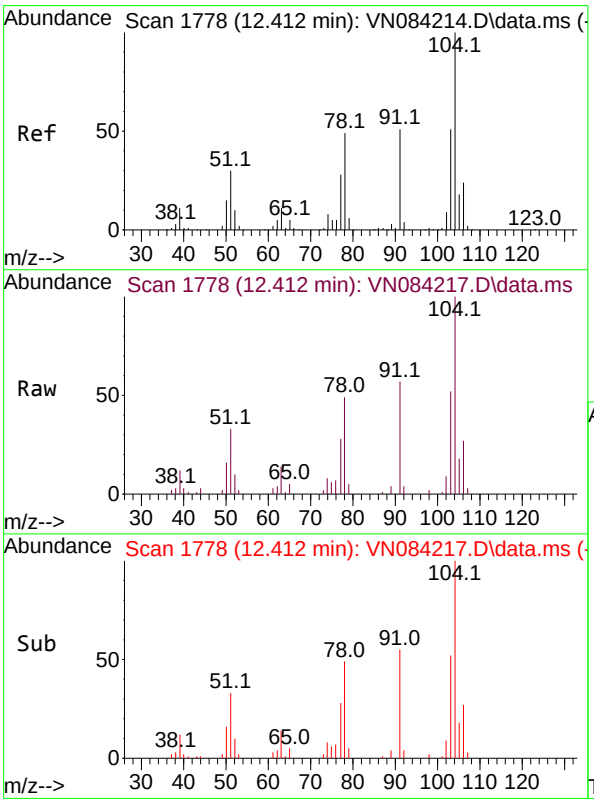
#69
o-Xylene
Concen: 5.350 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 18041

Ion	Ratio	Lower	Upper
106	100		
91	214.1	110.2	330.6

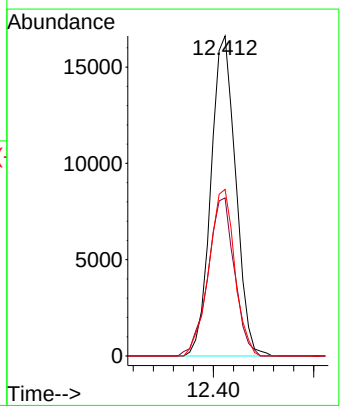


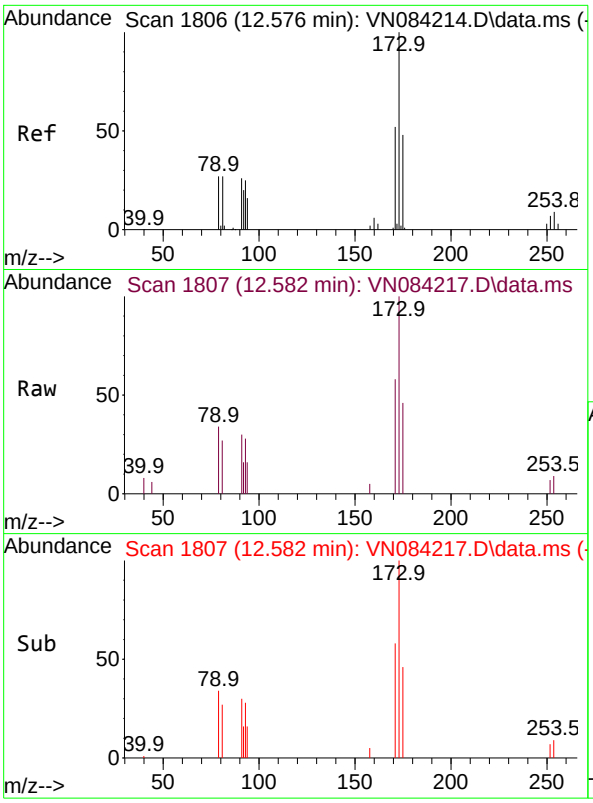


#70
Styrene
Concen: 4.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:104 Resp: 28472

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	54.5	43.6	65.4



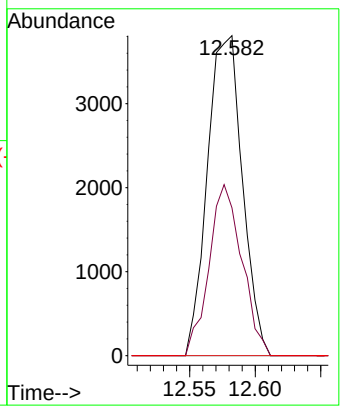


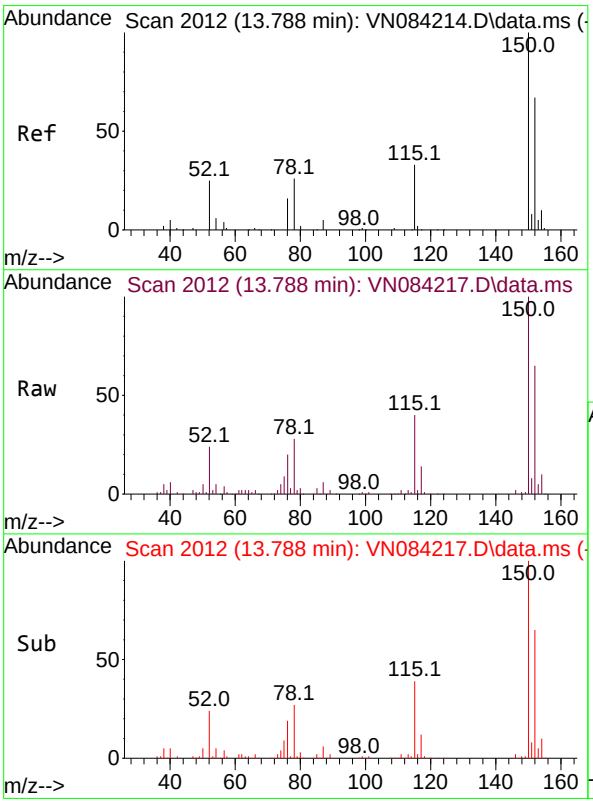
#71
Bromoform
Concen: 5.115 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7067

Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.5	70.6
254	0.0	0.0	0.0

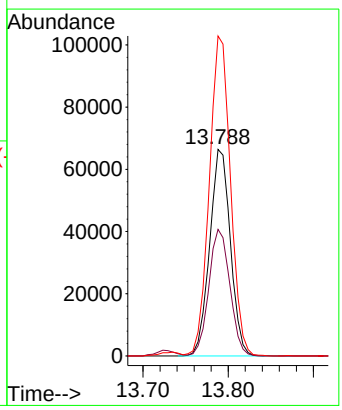


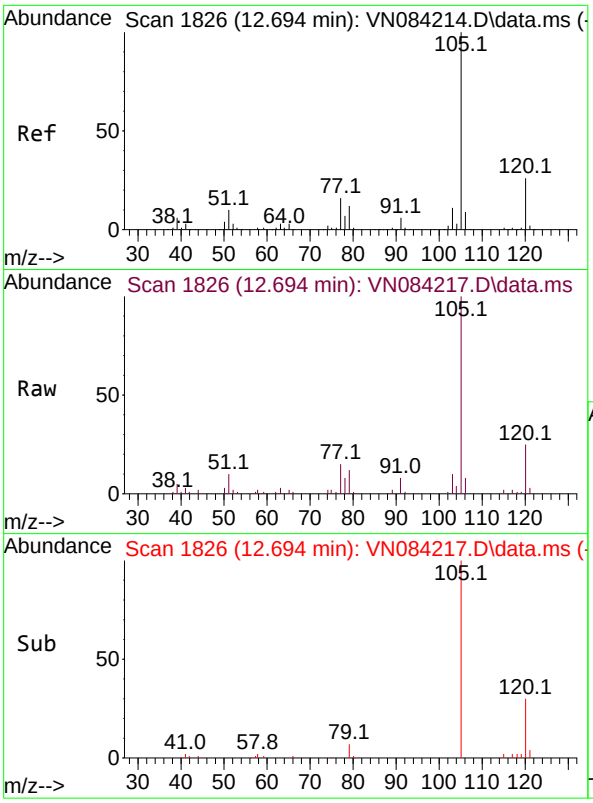


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:152 Resp: 112491

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.3	93.9
150	158.0	0.0	349.8



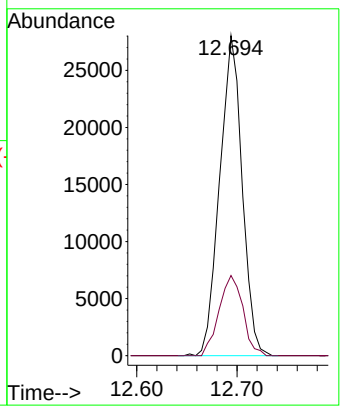


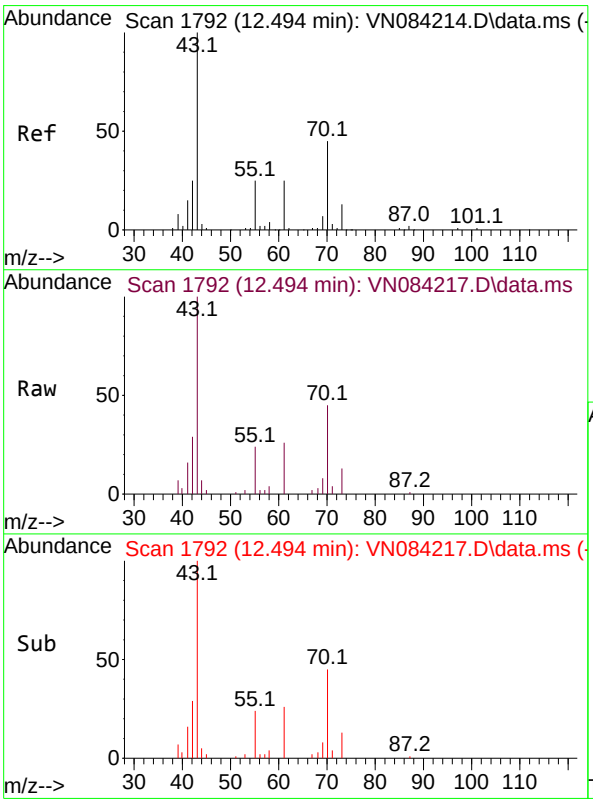
#73
Isopropylbenzene
Concen: 5.064 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 43468

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7

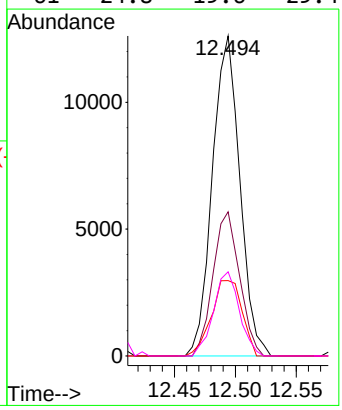


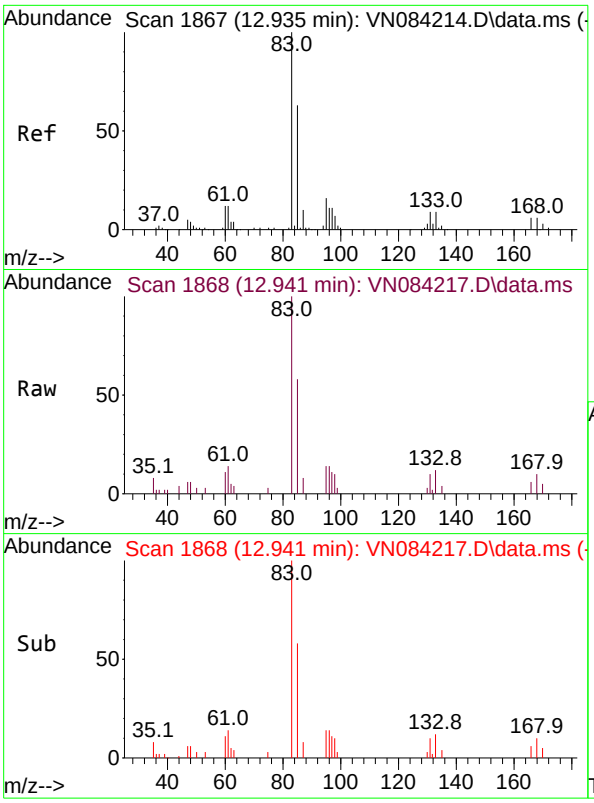


#74
N-amyl acetate
Concen: 5.087 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 19775

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	26.3	19.6	29.4
61	24.8	19.6	29.4



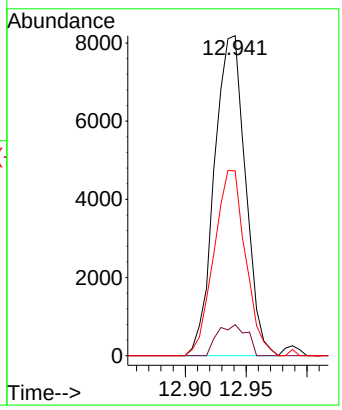


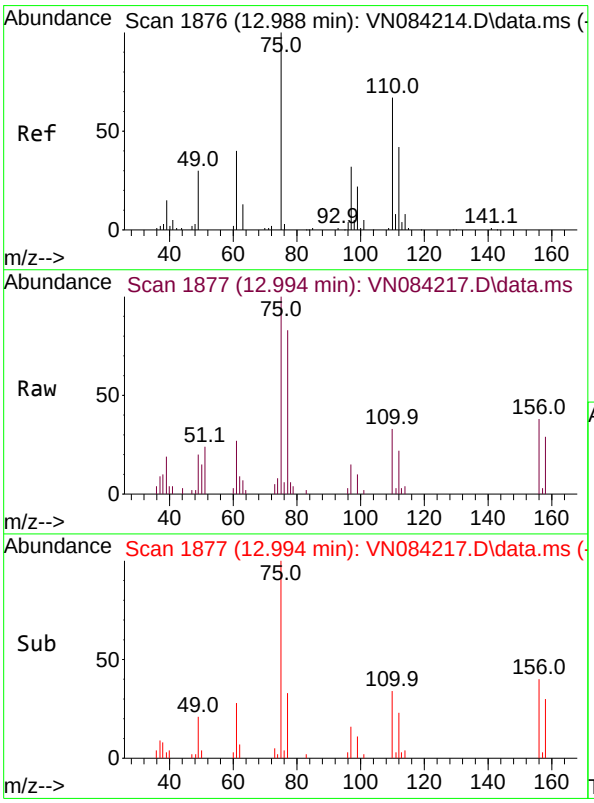
#75
1,1,2,2-Tetrachloroethane
Concen: 5.624 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14517

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	59.0	31.9	95.7

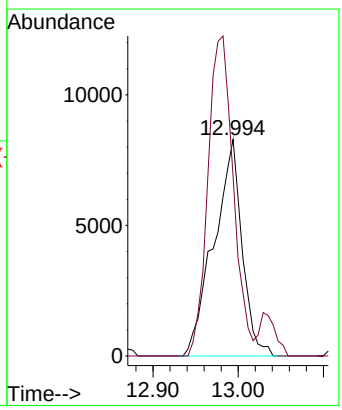


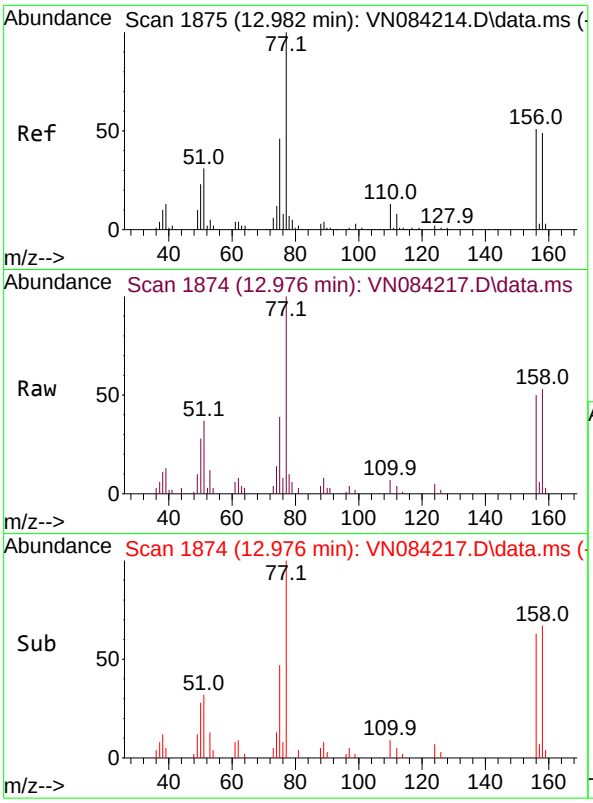


#76
1,2,3-Trichloropropane
Concen: 8.493 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 19041

Ion	Ratio	Lower	Upper
75	100		
77	133.3	96.9	290.7



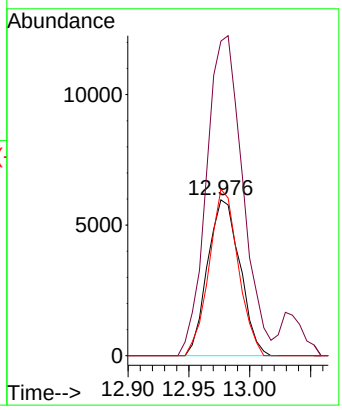


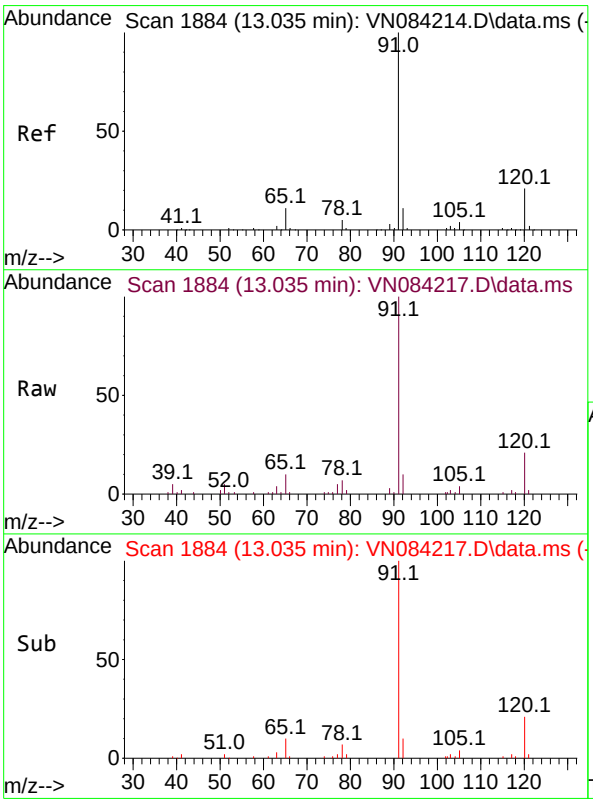
#77
Bromobenzene
Concen: 5.336 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 11049

Ion	Ratio	Lower	Upper
156	100		
77	229.7	115.1	345.3
158	96.2	48.9	146.8

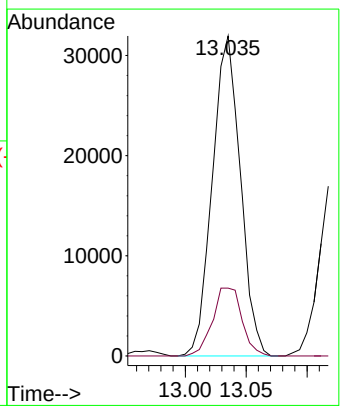


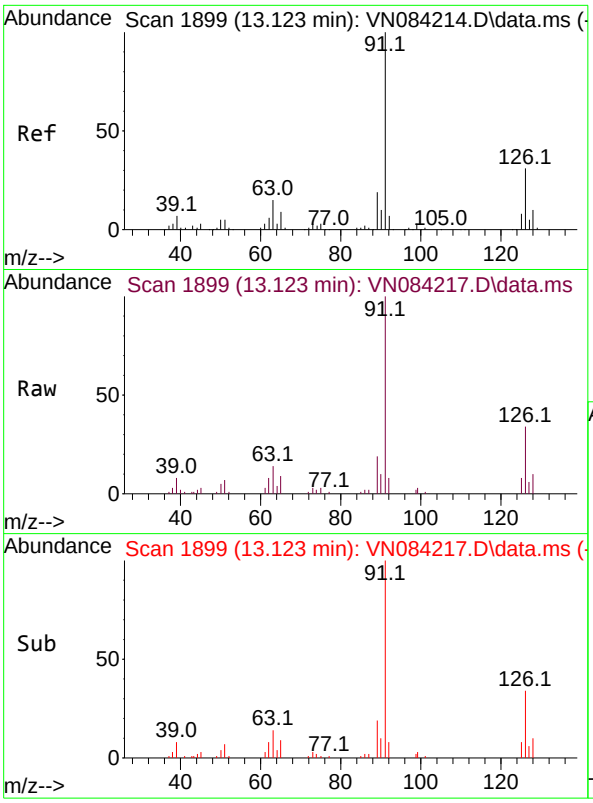


#78
n-propylbenzene
Concen: 5.140 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 51120

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



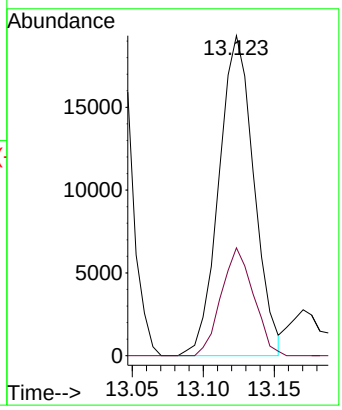


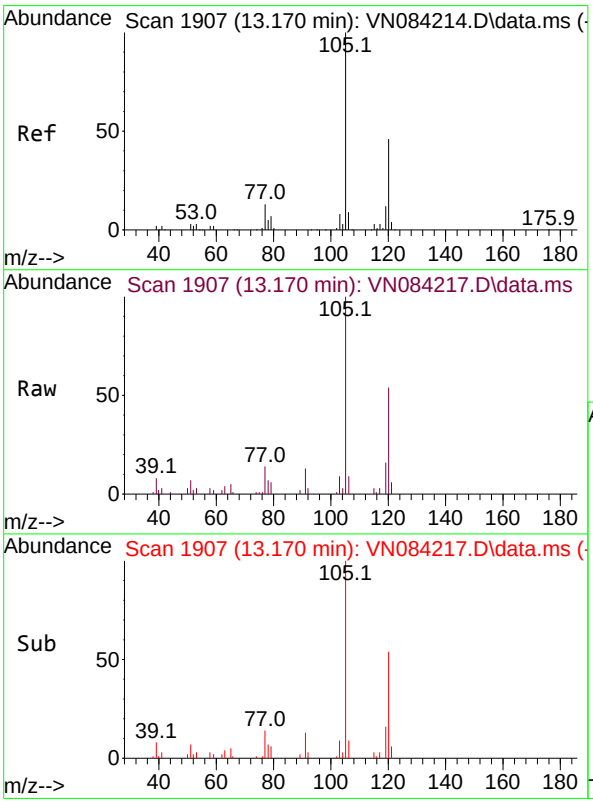
#79
2-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 33161

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1

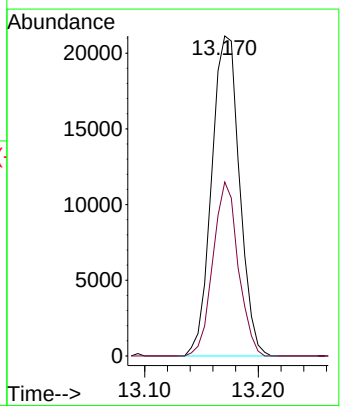


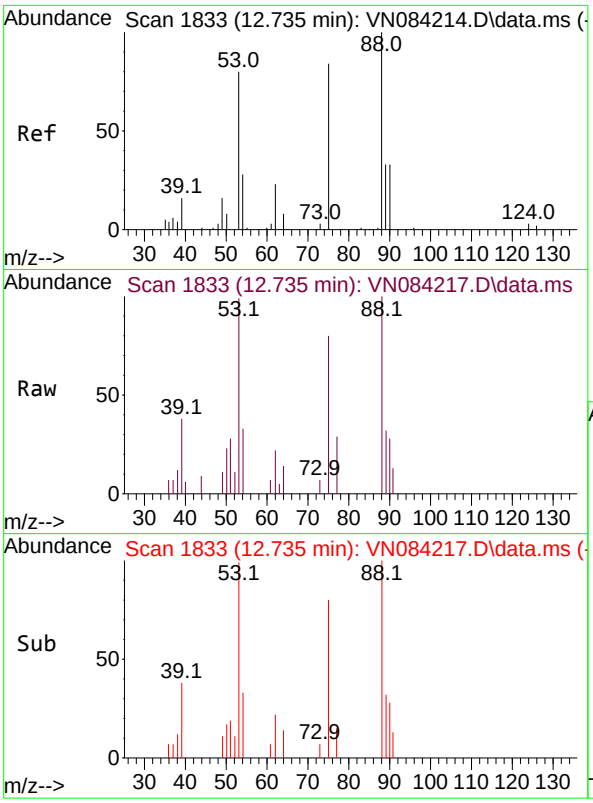


#80
1,3,5-Trimethylbenzene
Concen: 5.156 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36100

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1



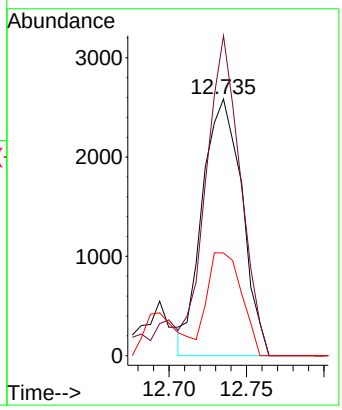


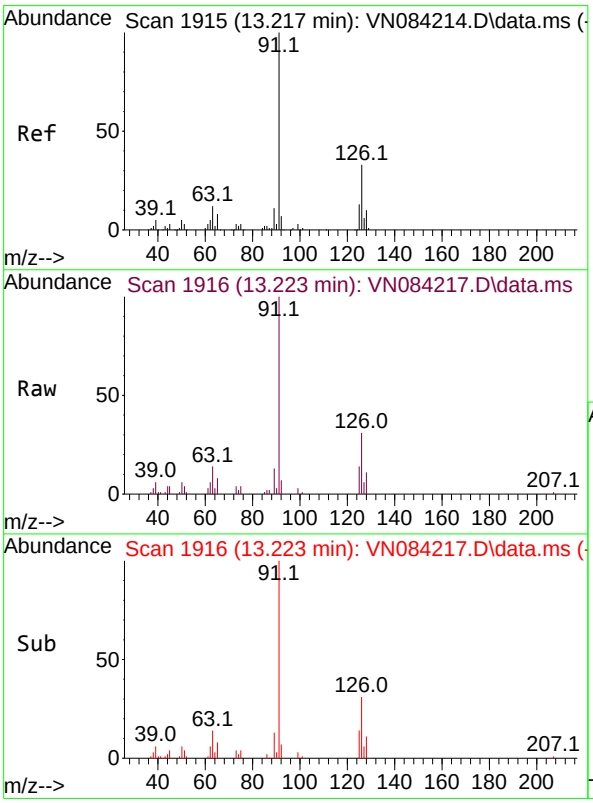
#81
trans-1,4-Dichloro-2-butene
Concen: 4.797 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4595

Ion	Ratio	Lower	Upper
75	100		
53	120.1	78.0	117.0#
89	34.5	35.5	53.3#

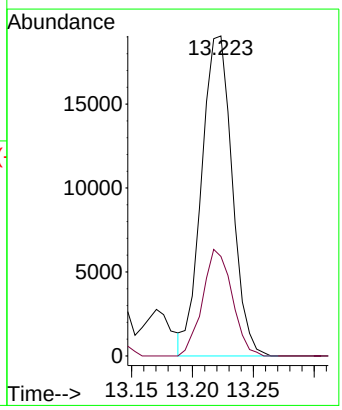


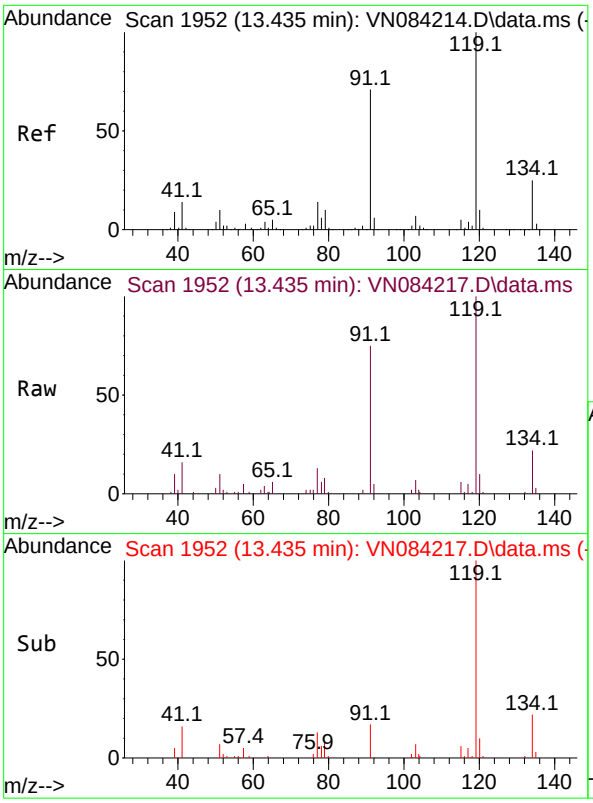


#82
4-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33382

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



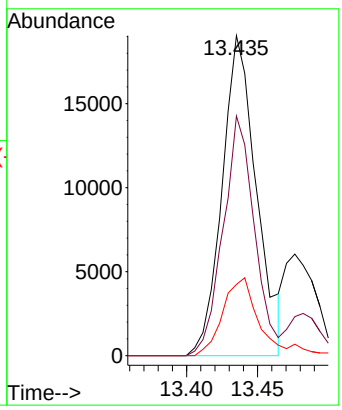


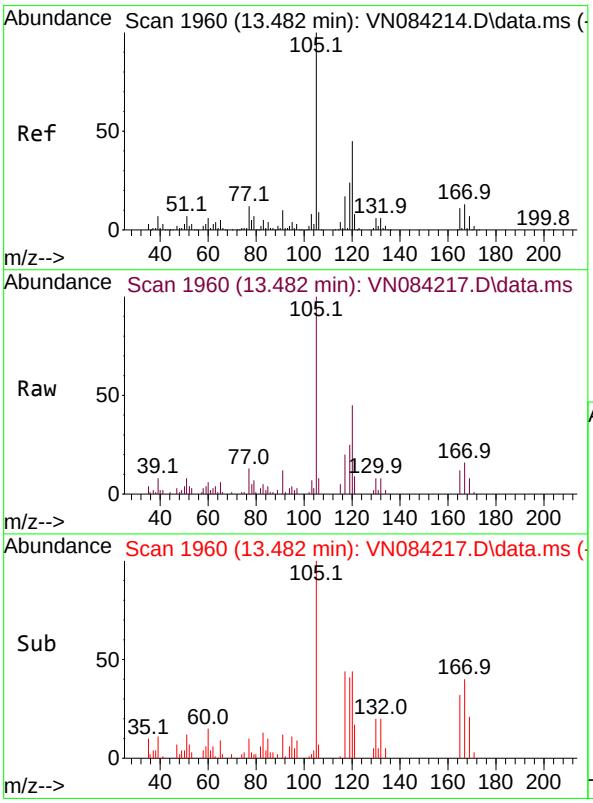
#83
tert-Butylbenzene
Concen: 5.140 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 31990

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4

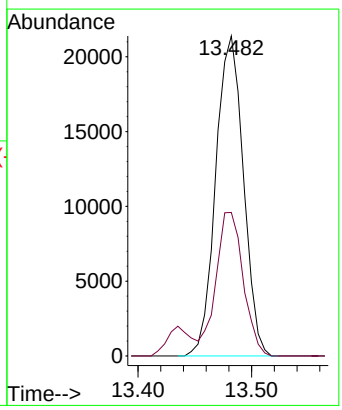


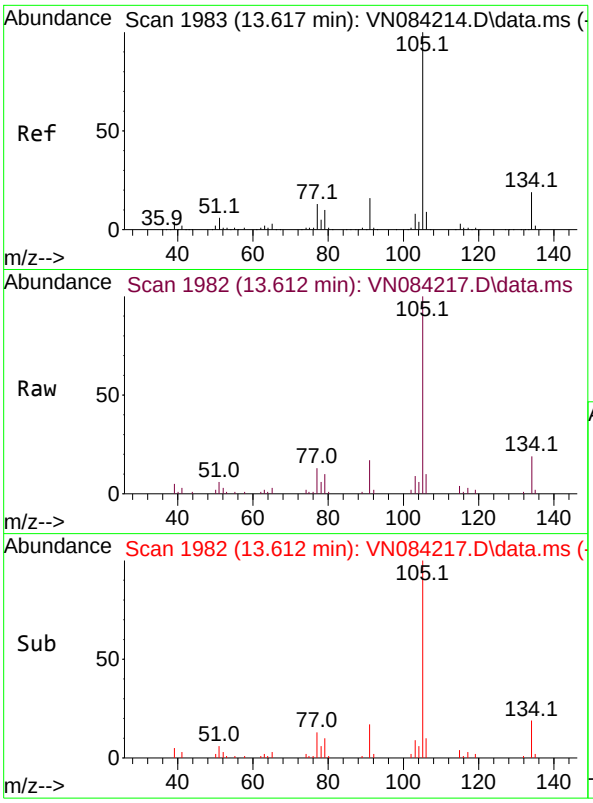


#84
1,2,4-Trimethylbenzene
Concen: 5.118 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36099

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8



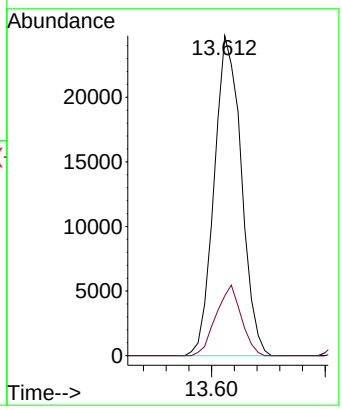


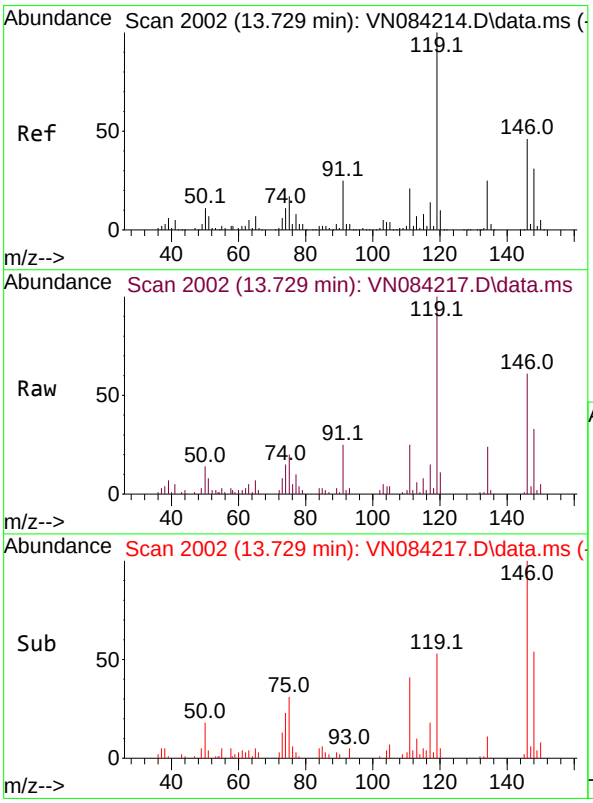
#85
sec-Butylbenzene
Concen: 4.931 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 40954

Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.4

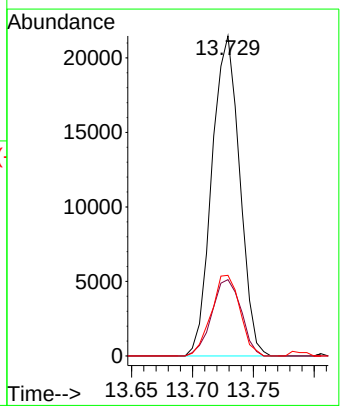


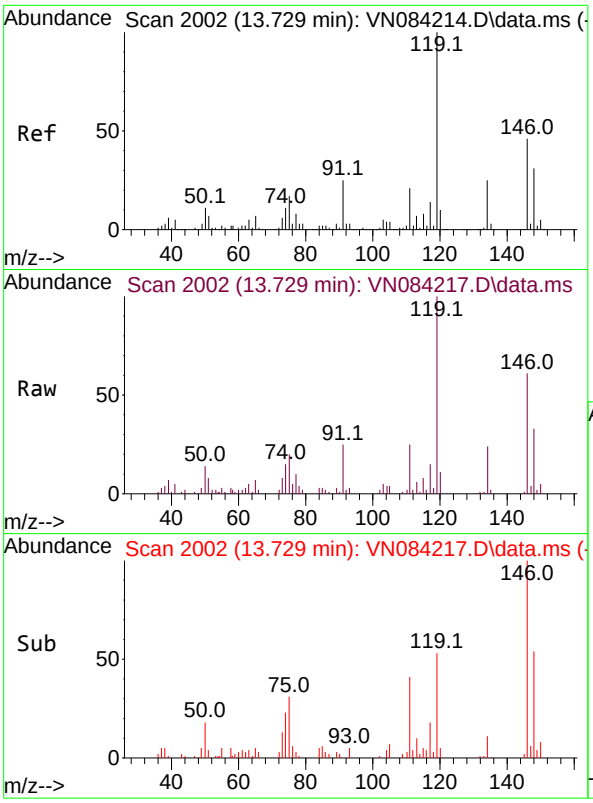


#86
p-Isopropyltoluene
Concen: 4.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:119 Resp: 34083

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	26.0	12.4	37.2



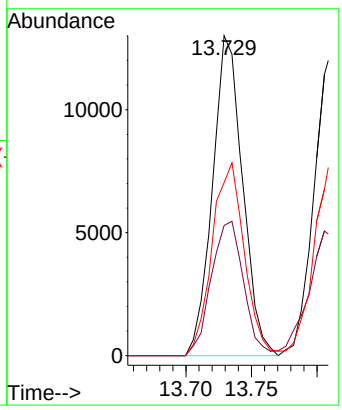


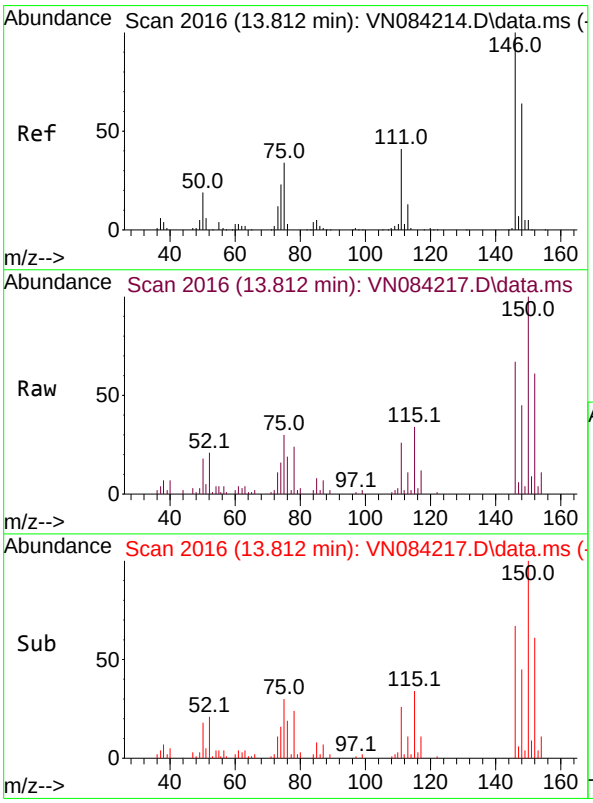
#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 20730

Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.3
148	64.7	31.9	95.7

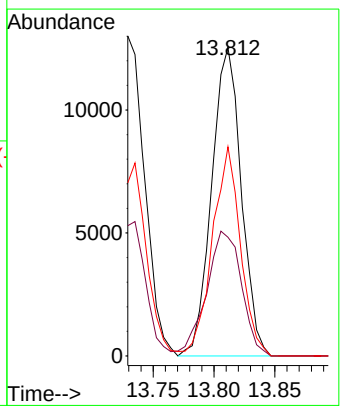


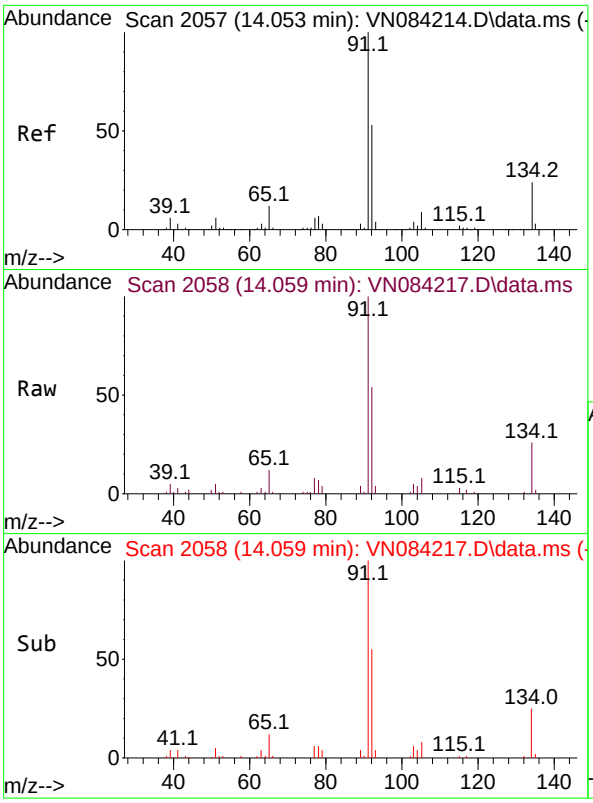


#88
1,4-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 21249

Ion	Ratio	Lower	Upper
146	100		
111	47.9	21.2	63.6
148	64.5	31.9	95.9



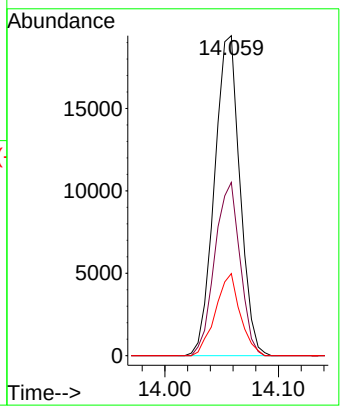


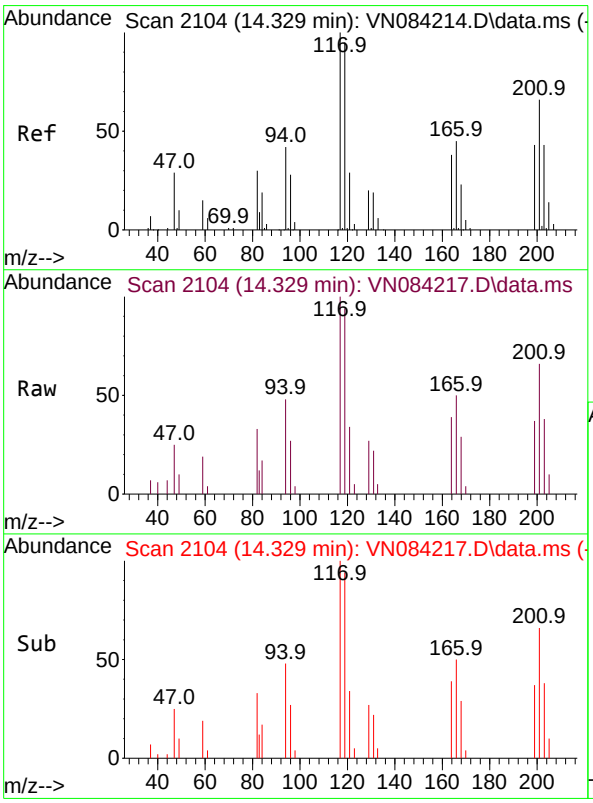
#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30253

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.9	12.3	36.9

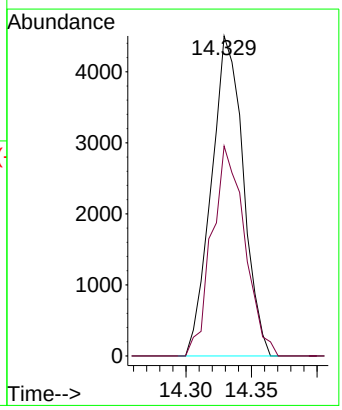


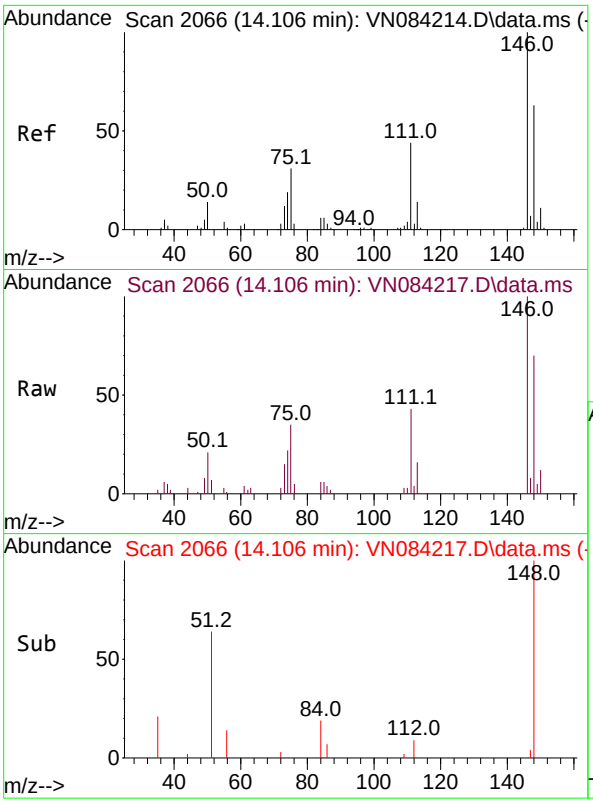


#90
Hexachloroethane
Concen: 5.472 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 7628

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



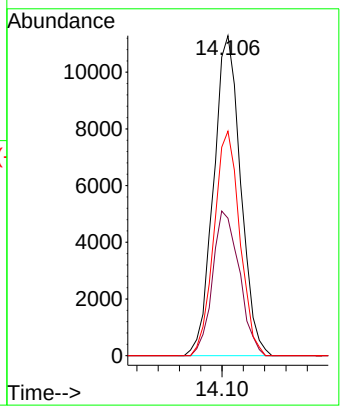


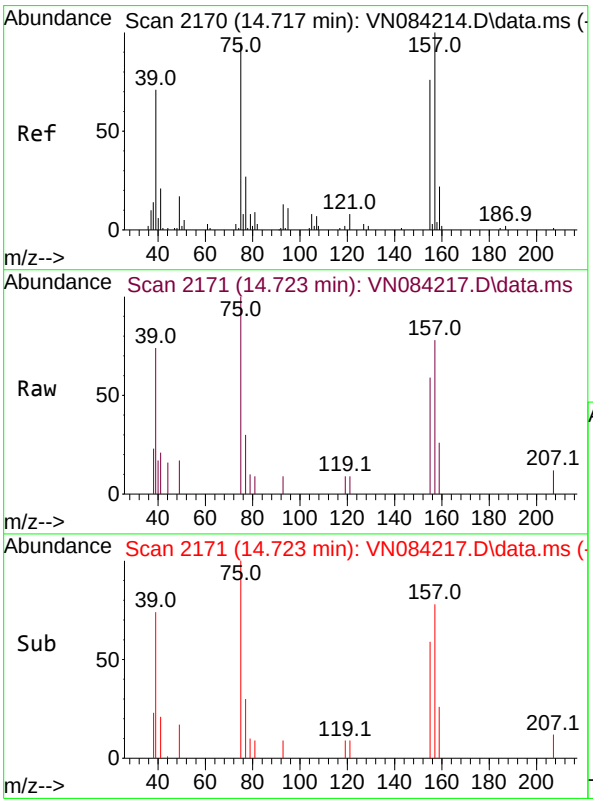
#91
1,2-Dichlorobenzene
Concen: 5.226 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 19905

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.0	66.0
148	66.8	32.1	96.3

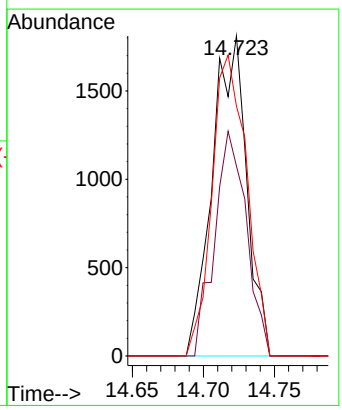


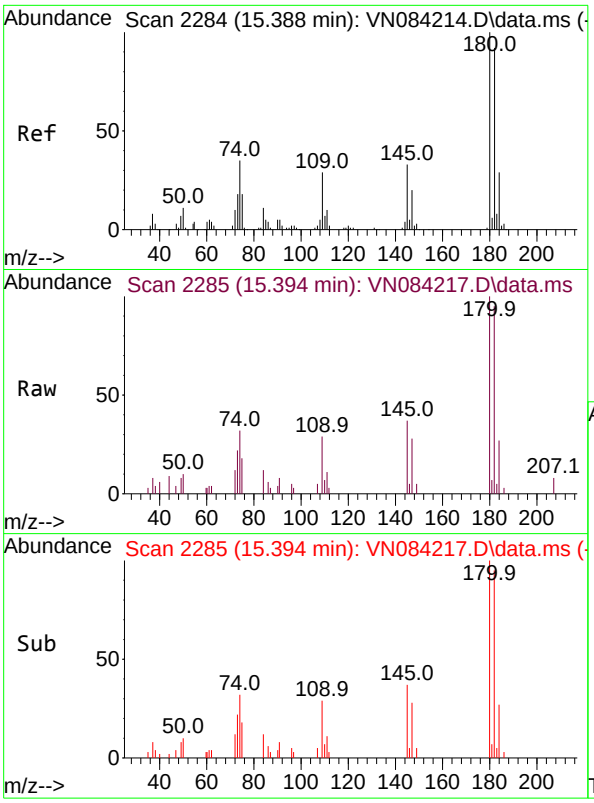


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 3046

Ion	Ratio	Lower	Upper
75	100		
155	65.1	38.1	114.5
157	95.3	49.6	149.0



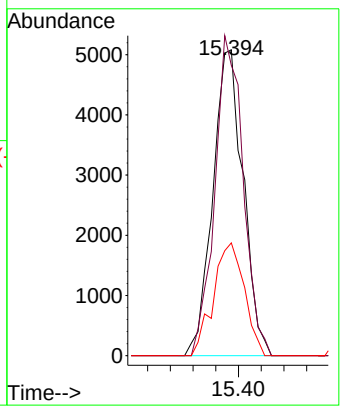


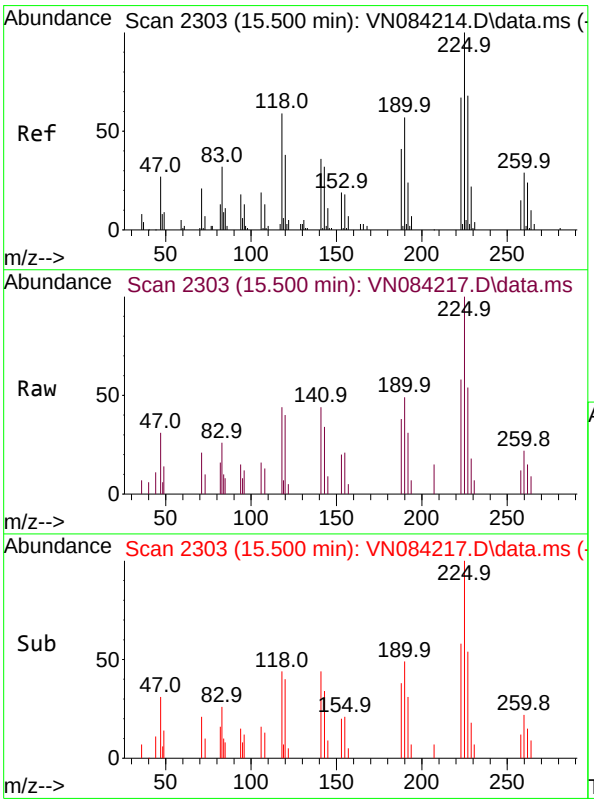
#93
1,2,4-Trichlorobenzene
Concen: 5.031 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 9439

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.0	141.0
145	37.6	16.4	49.4

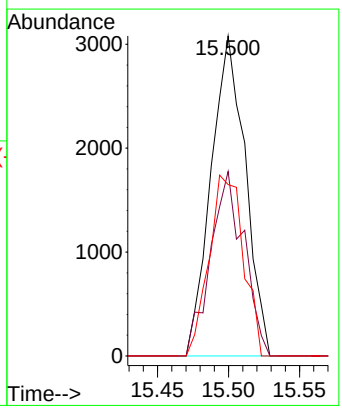


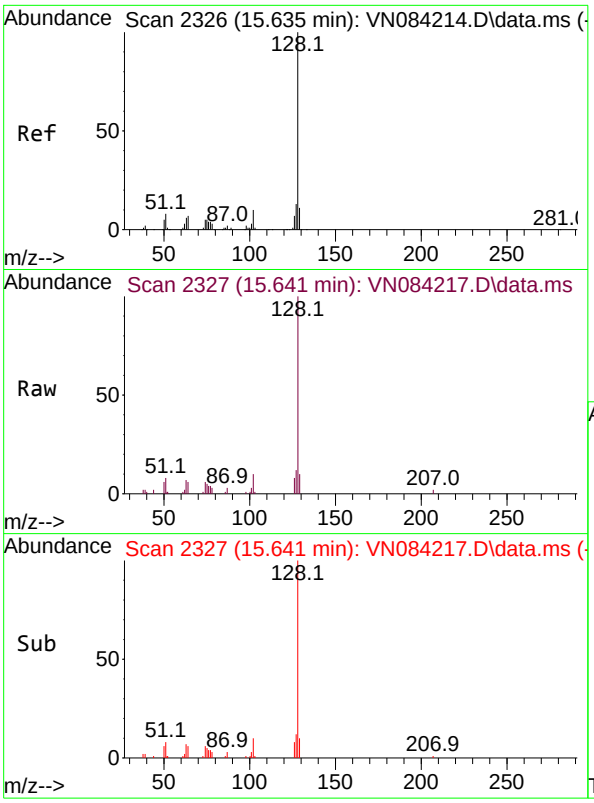


#94
Hexachlorobutadiene
Concen: 5.530 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:225 Resp: 5174

Ion	Ratio	Lower	Upper
225	100		
223	56.0	32.4	97.2
227	56.4	32.4	97.0



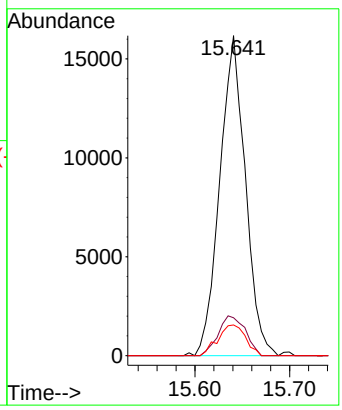


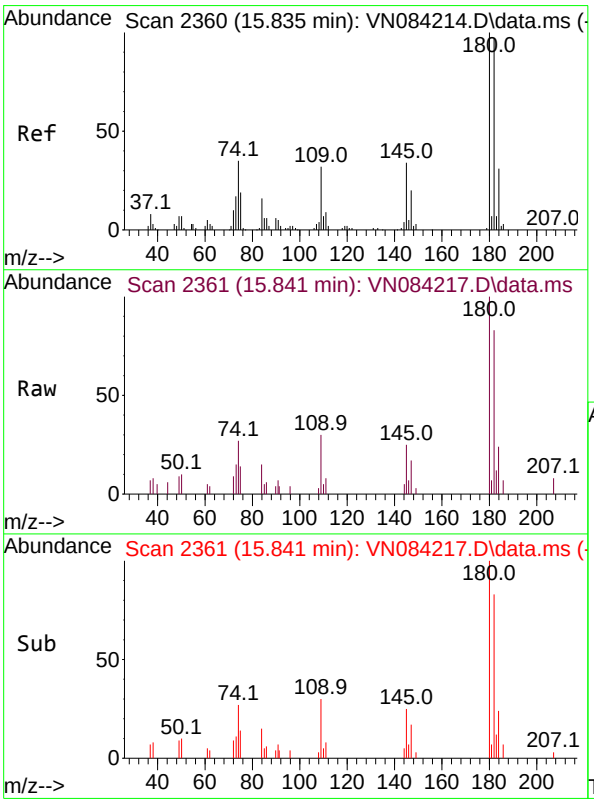
#95
Naphthalene
Concen: 4.886 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 30391

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.7	13.1

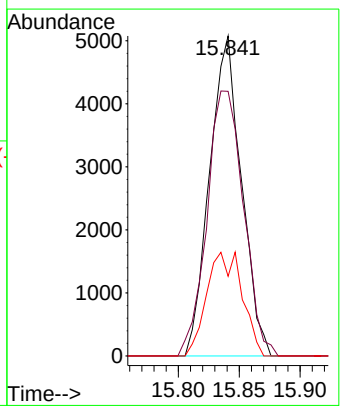




#96
1,2,3-Trichlorobenzene
Concen: 4.923 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:180 Resp: 9245

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.2	144.6
145	36.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	2443	1.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.060%#		
35) Dibromofluoromethane	8.165	113	2114	1.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.220%#		
50) Toluene-d8	10.565	98	7435	1.056	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.120%#		
62) 4-Bromofluorobenzene	12.853	95	2451	0.956	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.920%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1928	1.015	ug/l	83
3) Chloromethane	2.365	50	2217	1.022	ug/l	99
4) Vinyl Chloride	2.512	62	1981	0.943	ug/l	89
5) Bromomethane	2.965	94	1910	1.378	ug/l	93
6) Chloroethane	3.124	64	2029	1.349	ug/l	97
7) Trichlorofluoromethane	3.500	101	3140	0.960	ug/l	94
8) Diethyl Ether	3.965	74	1167	0.962	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	1934	1.032	ug/l #	63
10) Methyl Iodide	4.583	142	2446	1.013	ug/l #	80
11) Tert butyl alcohol	5.524	59	1919	4.888	ug/l #	73
12) 1,1-Dichloroethene	4.353	96	1584	0.876	ug/l #	50
13) Acrolein	4.183	56	2550	5.658	ug/l	87
14) Allyl chloride	5.018	41	2333	0.743	ug/l	89
15) Acrylonitrile	5.736	53	4920	4.963	ug/l #	81
16) Acetone	4.436	43	4799	4.692	ug/l	90
17) Carbon Disulfide	4.718	76	6680	1.167	ug/l	100
18) Methyl Acetate	5.030	43	2249	1.009	ug/l #	64
19) Methyl tert-butyl Ether	5.806	73	5319	0.872	ug/l #	83
20) Methylene Chloride	5.277	84	2203	1.060	ug/l #	83
21) trans-1,2-Dichloroethene	5.783	96	1753	0.925	ug/l	86
22) Diisopropyl ether	6.671	45	5639	0.868	ug/l #	96
23) Vinyl Acetate	6.606	43	22441	4.634	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	3358	0.925	ug/l #	83
25) 2-Butanone	7.488	43	6488	4.658	ug/l	91
26) 2,2-Dichloropropane	7.494	77	2902	0.886	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	2259	0.987	ug/l	92
28) Bromochloromethane	7.824	49	1718	1.060	ug/l #	87
29) Tetrahydrofuran	7.841	42	4006	4.660	ug/l	92
30) Chloroform	7.971	83	3793	1.005	ug/l	99
31) Cyclohexane	8.241	56	6798	1.928	ug/l #	59
32) 1,1,1-Trichloroethane	8.171	97	3120	0.921	ug/l #	53
36) 1,1-Dichloropropene	8.365	75	2420	0.871	ug/l	98
37) Ethyl Acetate	7.559	43	2596	0.911	ug/l #	78
38) Carbon Tetrachloride	8.359	117	2795	0.917	ug/l	90
39) Methylcyclohexane	9.600	83	2486	0.804	ug/l #	88
40) Benzene	8.606	78	8245	0.952	ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	1490	0.963 ug/l #	66
42) 1,2-Dichloroethane	8.671	62	2669	0.909 ug/l	88
43) Isopropyl Acetate	8.688	43	7949	1.424 ug/l #	80
44) Trichloroethene	9.347	130	1885	0.932 ug/l	87
45) 1,2-Dichloropropane	9.624	63	1676	0.818 ug/l #	44
46) Dibromomethane	9.706	93	1144	0.828 ug/l	87
47) Bromodichloromethane	9.894	83	2754	0.897 ug/l #	93
48) Methyl methacrylate	9.676	41	1824	0.821 ug/l	93
49) 1,4-Dioxane	9.694	88	800	19.552 ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	11218	4.134 ug/l	97
52) Toluene	10.629	92	4875	0.923 ug/l	91
53) t-1,3-Dichloropropene	10.829	75	2493	0.797 ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	2720	0.808 ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	1669	0.882 ug/l	90
56) Ethyl methacrylate	10.876	69	2402	0.771 ug/l #	77
57) 1,3-Dichloropropane	11.159	76	3092	0.914 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	6179	4.278 ug/l	98
59) 2-Hexanone	11.194	43	8282	4.084 ug/l	96
60) Dibromochloromethane	11.353	129	1916	0.857 ug/l	91
61) 1,2-Dibromoethane	11.465	107	1795	0.913 ug/l	99
64) Tetrachloroethene	11.106	164	1690	0.993 ug/l #	87
65) Chlorobenzene	11.888	112	5025	0.927 ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.959	131	1632	0.874 ug/l #	66
67) Ethyl Benzene	11.965	91	8582	0.896 ug/l #	88
68) m/p-Xylenes	12.070	106	5869	1.656 ug/l	95
69) o-Xylene	12.400	106	2398	0.715 ug/l	83
70) Styrene	12.412	104	4489	0.790 ug/l	94
71) Bromoform	12.576	173	1168	0.850 ug/l #	94
73) Isopropylbenzene	12.688	105	6991	0.899 ug/l	97
74) N-amyl acetate	12.494	43	3228	0.916 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	2233	0.954 ug/l #	95
76) 1,2,3-Trichloropropane	12.994	75	3395	1.671 ug/l	53
77) Bromobenzene	12.976	156	1818	0.969 ug/l	98
78) n-propylbenzene	13.035	91	7045	0.781 ug/l	95
79) 2-Chlorotoluene	13.129	91	5383	0.936 ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	4830	0.761 ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	660	0.760 ug/l #	94
82) 4-Chlorotoluene	13.223	91	5174	0.893 ug/l	100
83) tert-Butylbenzene	13.435	119	4909	0.870 ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	4760	0.744 ug/l	100
85) sec-Butylbenzene	13.612	105	5795	0.770 ug/l	99
86) p-Isopropyltoluene	13.723	119	4495	0.722 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	3424	0.972 ug/l	96
88) 1,4-Dichlorobenzene	13.729	146	3424	0.963 ug/l	96
89) n-Butylbenzene	14.053	91	4866	0.862 ug/l	97
90) Hexachloroethane	14.335	117	1151	0.911 ug/l	82
91) 1,2-Dichlorobenzene	14.100	146	3610	1.046 ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.711	75	423	0.876 ug/l	65
93) 1,2,4-Trichlorobenzene	15.400	180	1340	0.788 ug/l	89
94) Hexachlorobutadiene	15.494	225	861	1.015 ug/l	90
95) Naphthalene	15.641	128	5031	0.892 ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	1531	0.899 ug/l	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

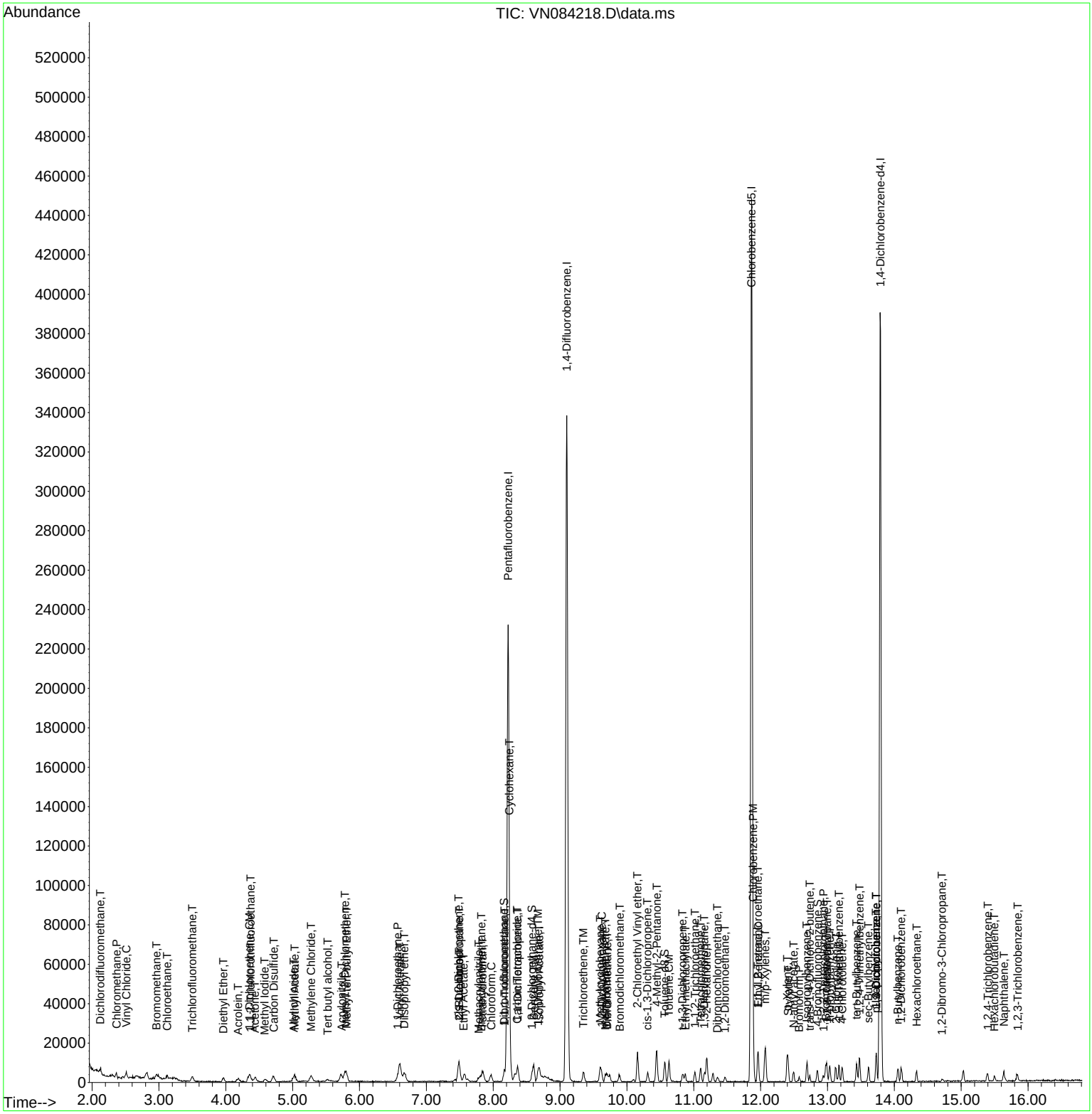
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

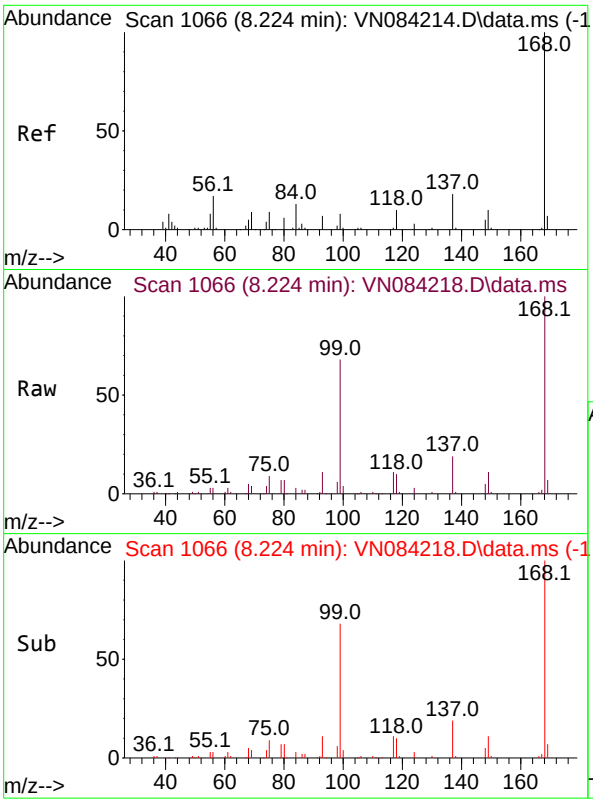
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration



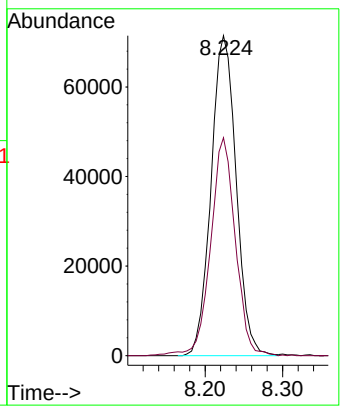


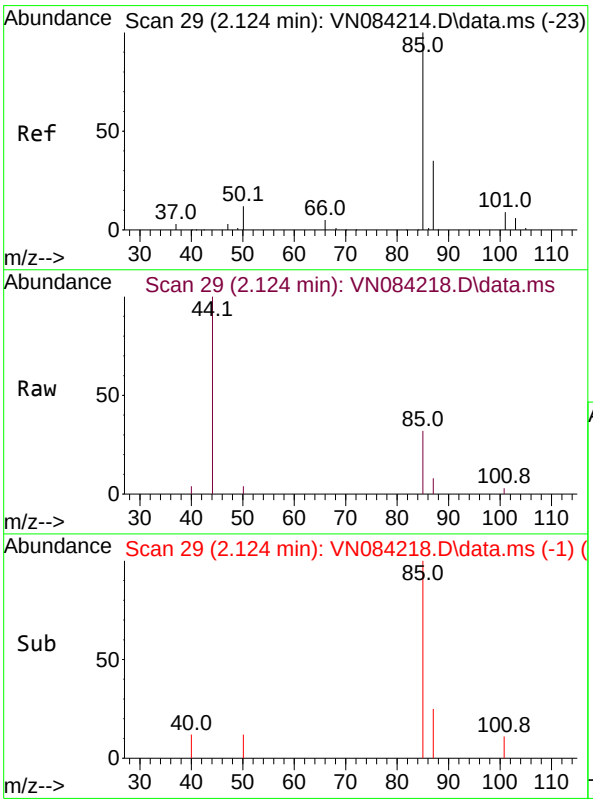
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 160573

Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.2	81.2

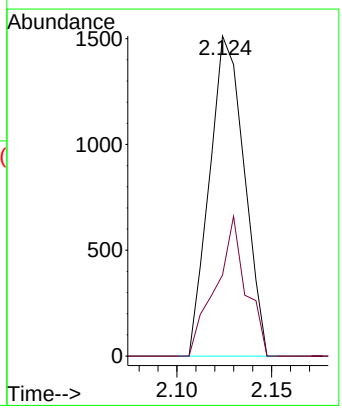


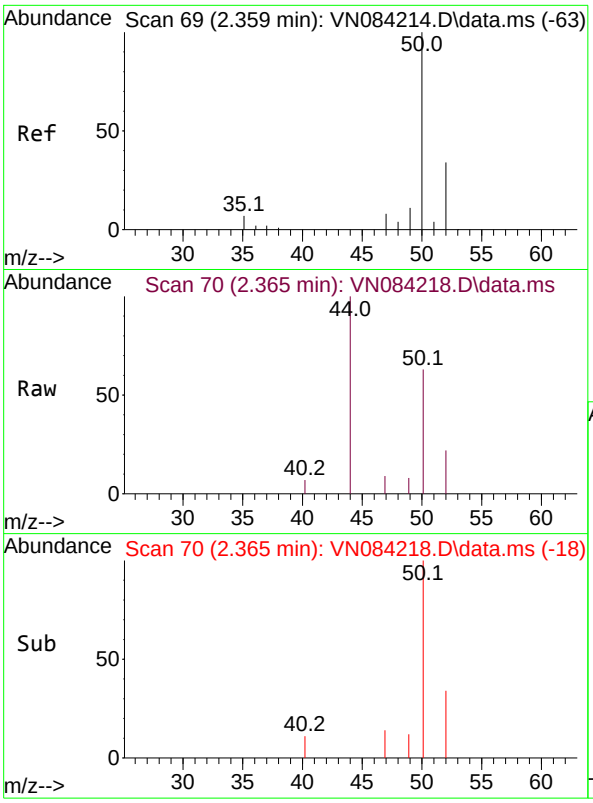


#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 85 Resp: 1928

Ion	Ratio	Lower	Upper
85	100		
87	25.3	17.6	52.9



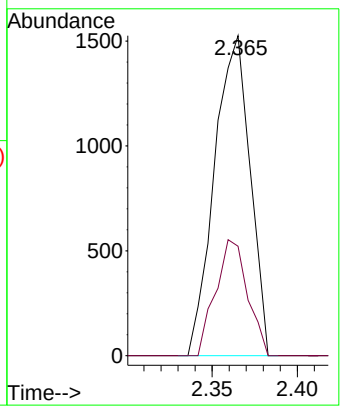


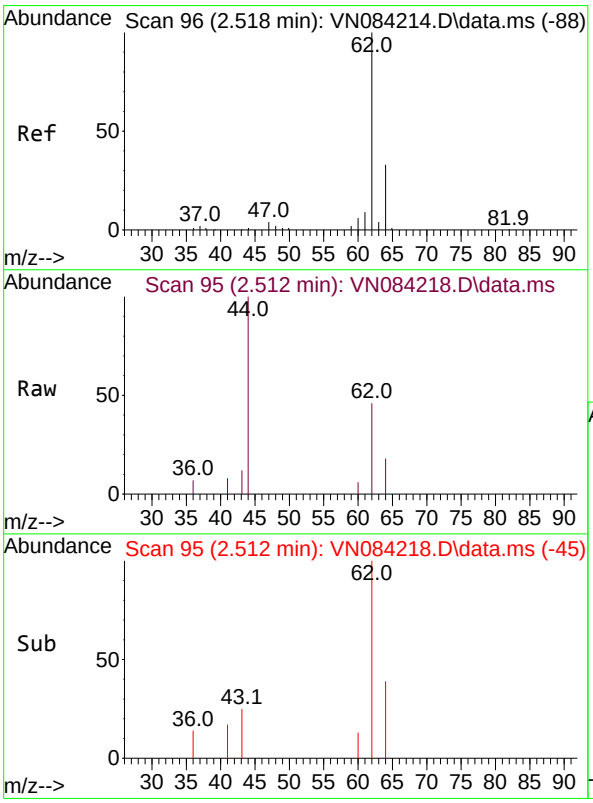
#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2217

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.8	40.2

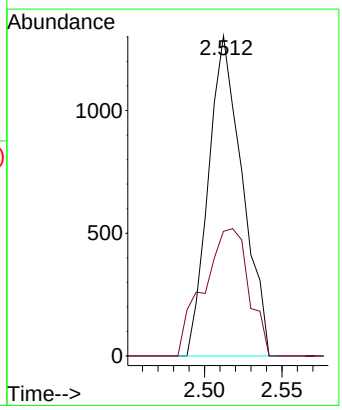


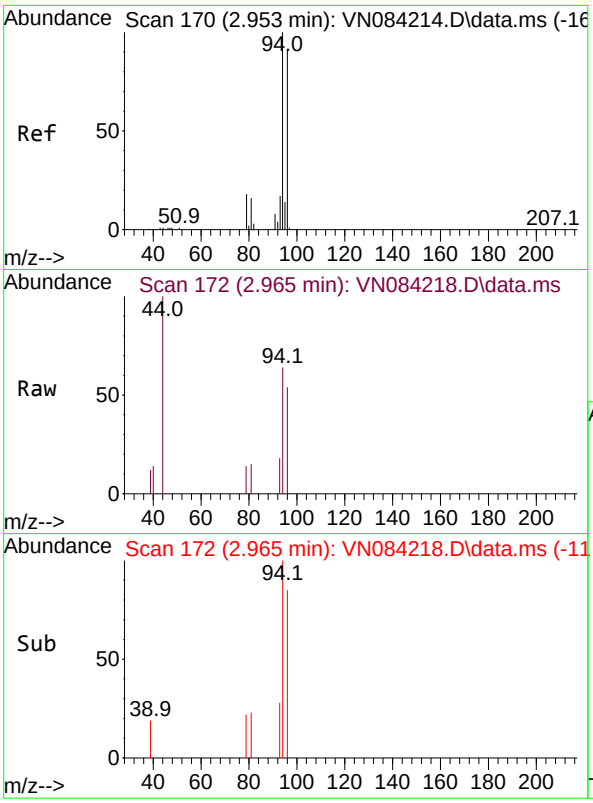


#4
Vinyl Chloride
Concen: 0.943 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
64	39.0	26.2	39.4



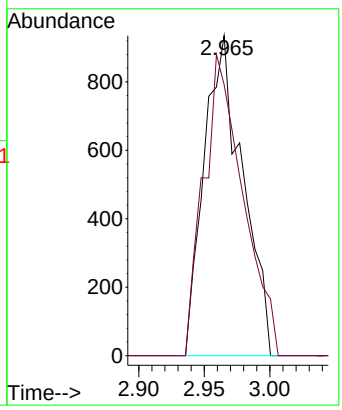


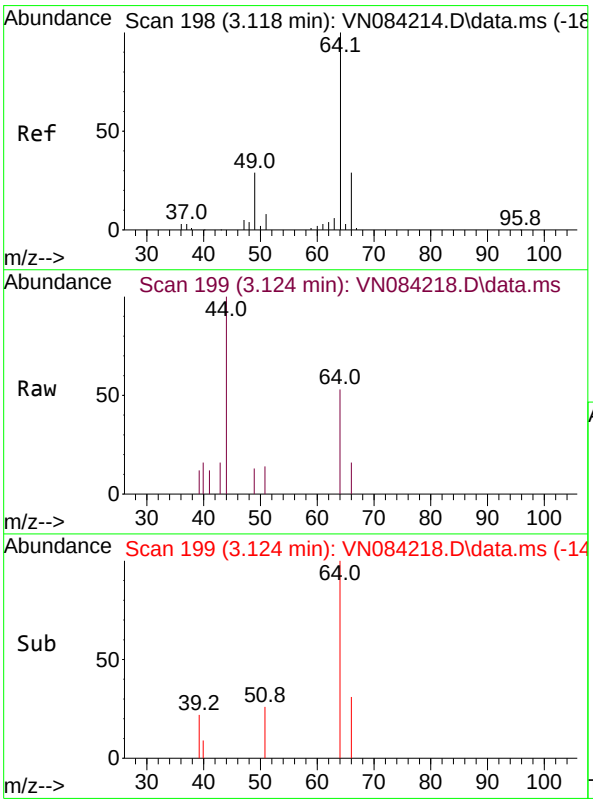
#5
Bromomethane
Concen: 1.378 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1910

Ion	Ratio	Lower	Upper
94	100		
96	84.7	72.9	109.3

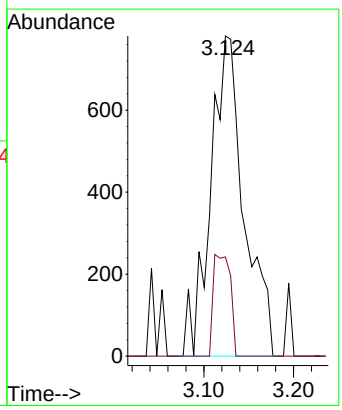


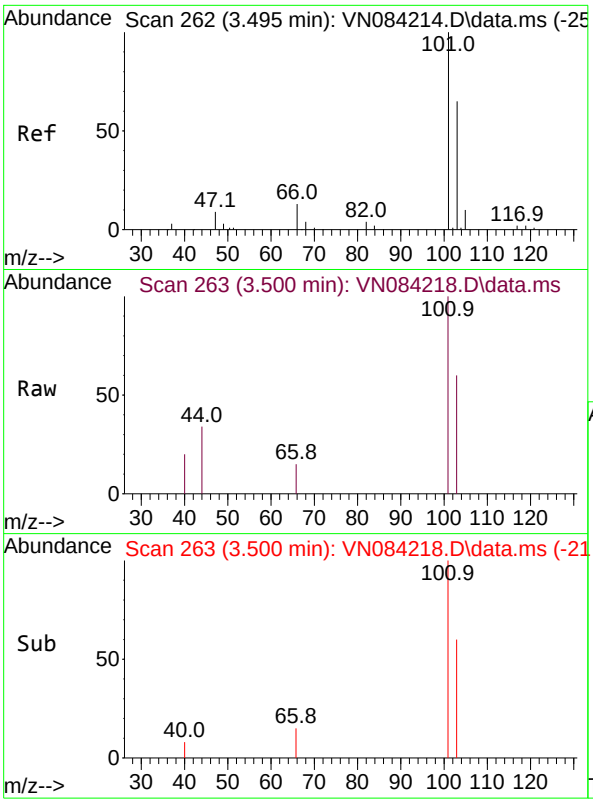


#6
Chloroethane
Concen: 1.349 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 64 Resp: 2029

Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.5	35.3



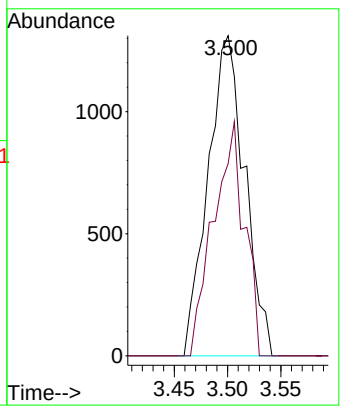


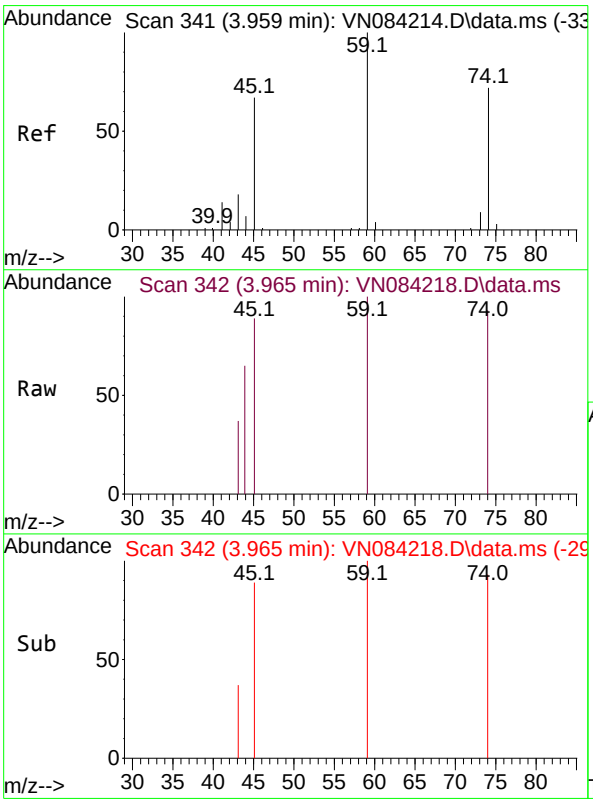
#7
Trichlorofluoromethane
Concen: 0.960 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3140

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.8	77.6

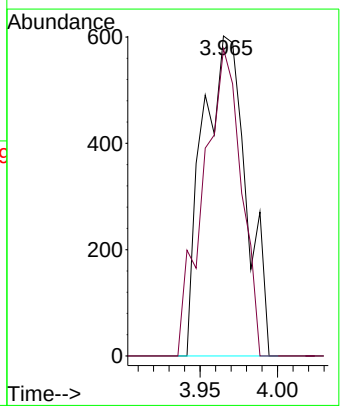


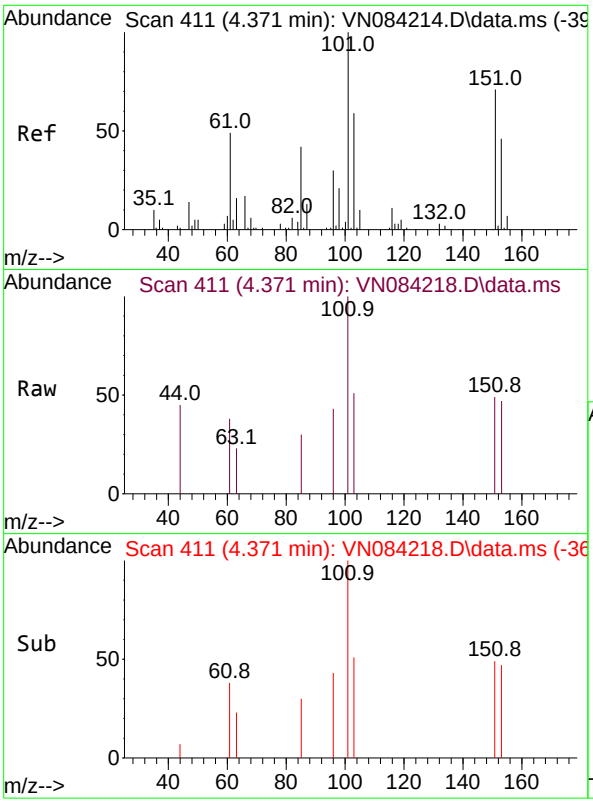


#8
Diethyl Ether
Concen: 0.962 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 74 Resp: 1167

Ion	Ratio	Lower	Upper
74	100		
45	83.9	47.7	143.1



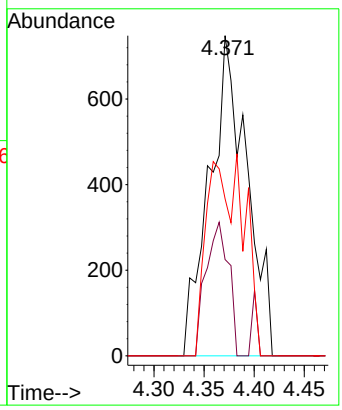


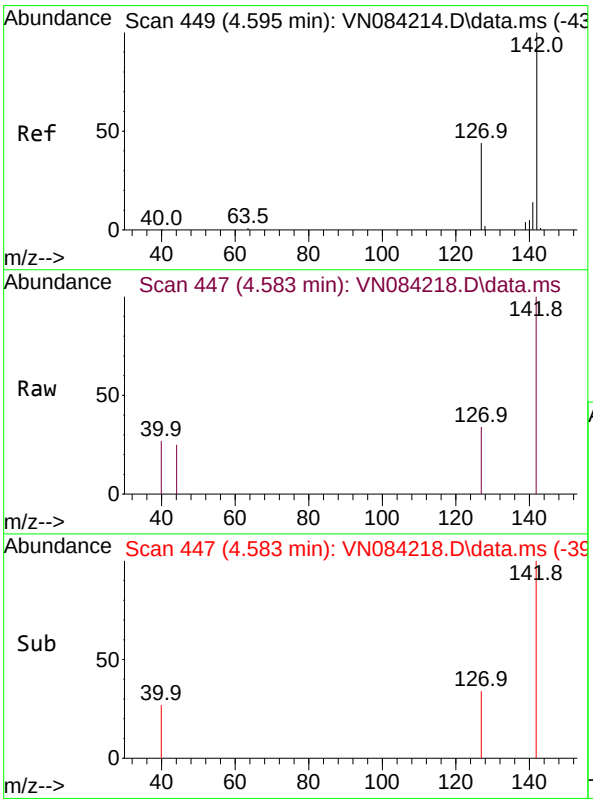
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1934

Ion	Ratio	Lower	Upper
101	100		
85	25.4	36.2	54.4#
151	38.8	59.3	88.9#

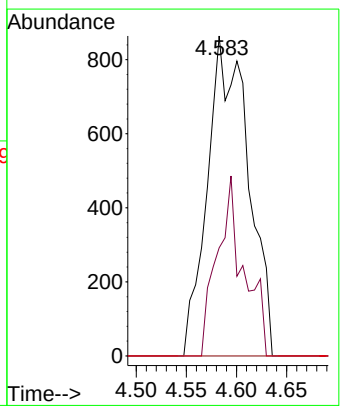


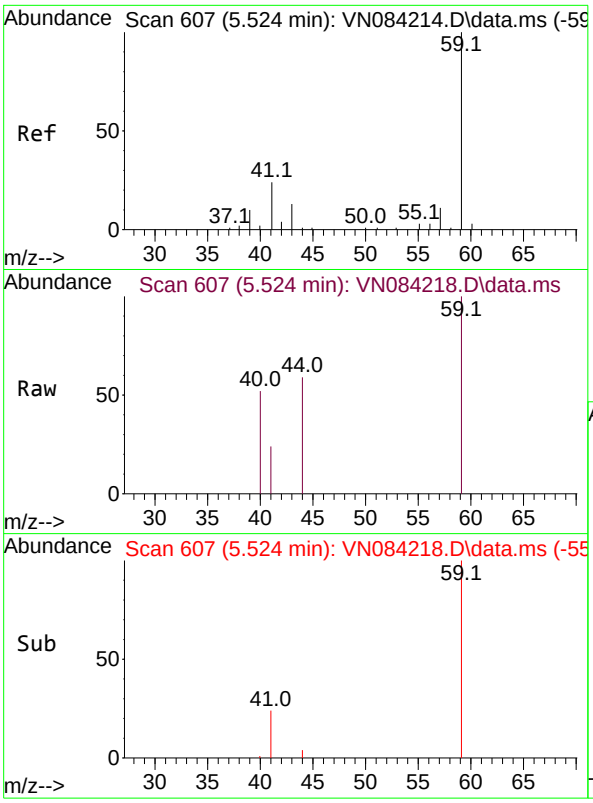


#10
Methyl Iodide
Concen: 1.013 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:142 Resp: 2446

Ion	Ratio	Lower	Upper
142	100		
127	33.8	35.3	52.9#
141	0.0	11.0	16.6#



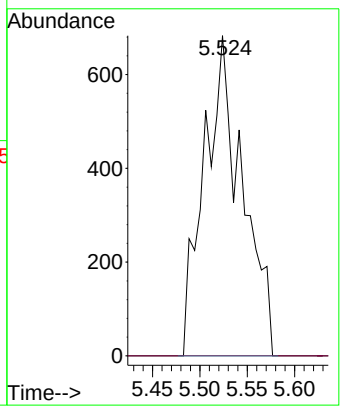


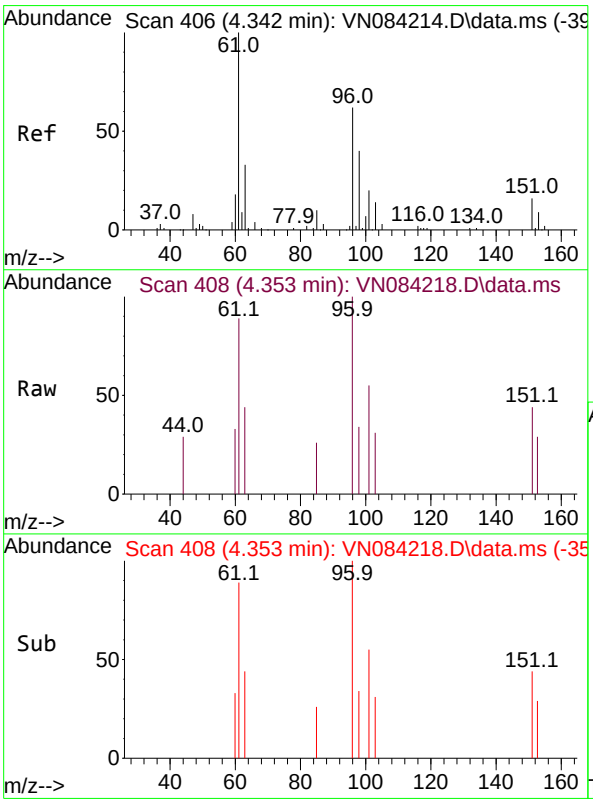
#11
Tert butyl alcohol
Concen: 4.888 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1919

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

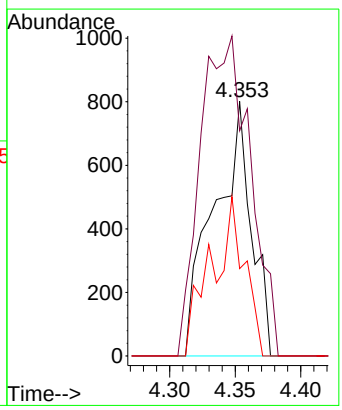


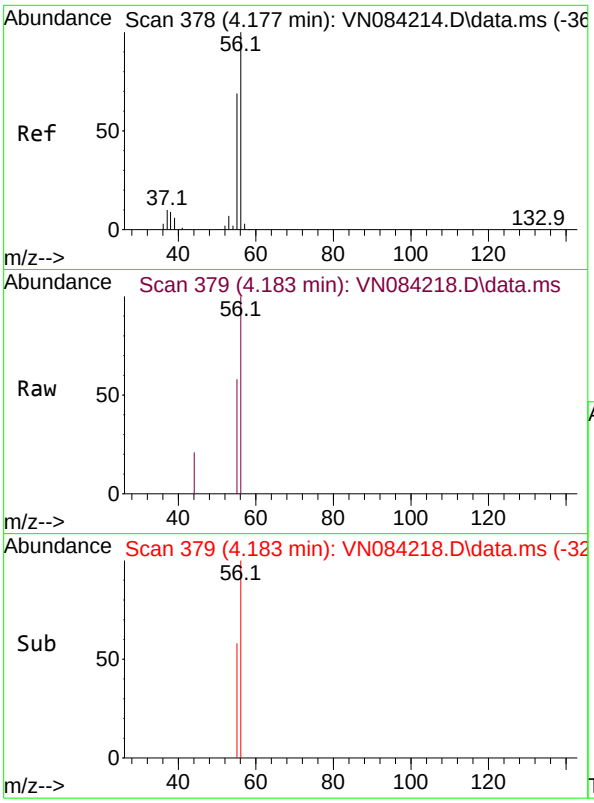


#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1584

Ion	Ratio	Lower	Upper
96	100		
61	88.5	128.6	192.8#
98	34.3	51.7	77.5#



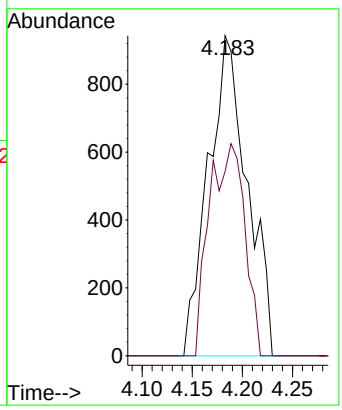


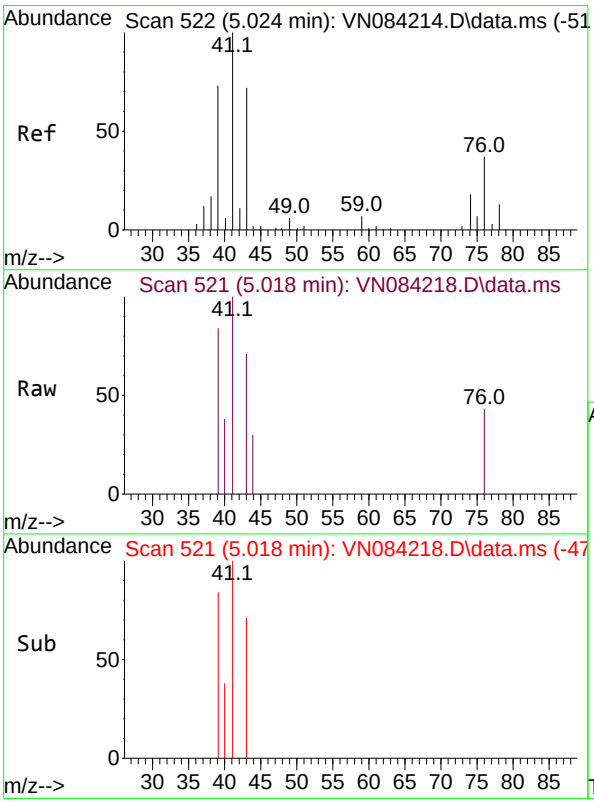
#13
Acrolein
Concen: 5.658 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2550

Ion	Ratio	Lower	Upper
56	100		
55	60.3	57.2	85.8

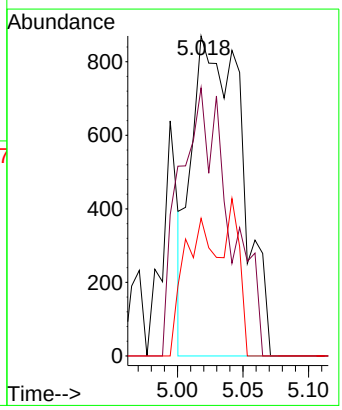


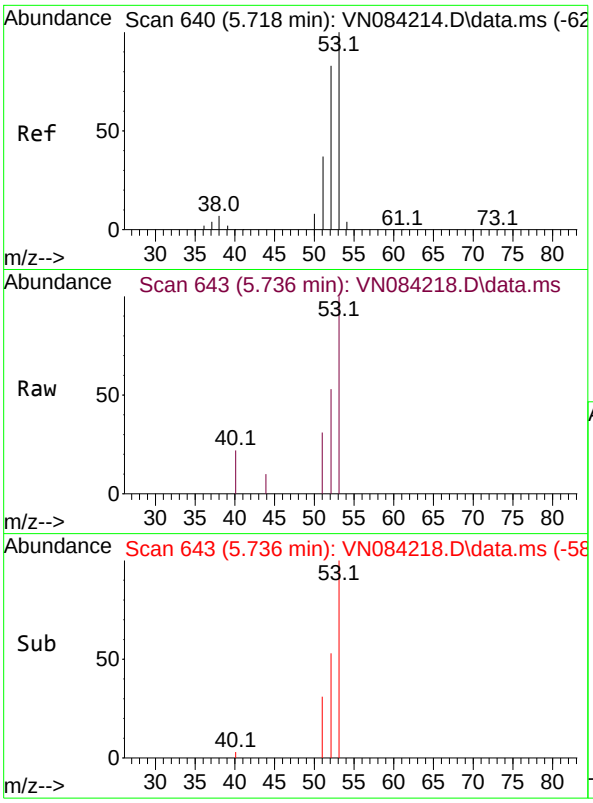


#14
Allyl chloride
Concen: 0.743 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 2333

Ion	Ratio	Lower	Upper
41	100		
39	83.1	59.0	88.6
76	29.9	29.8	44.6



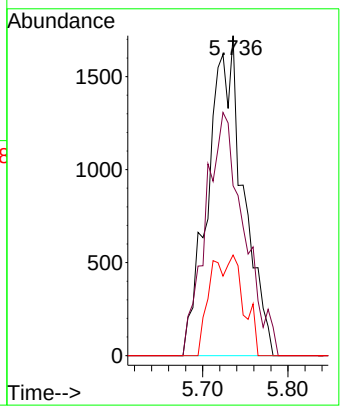


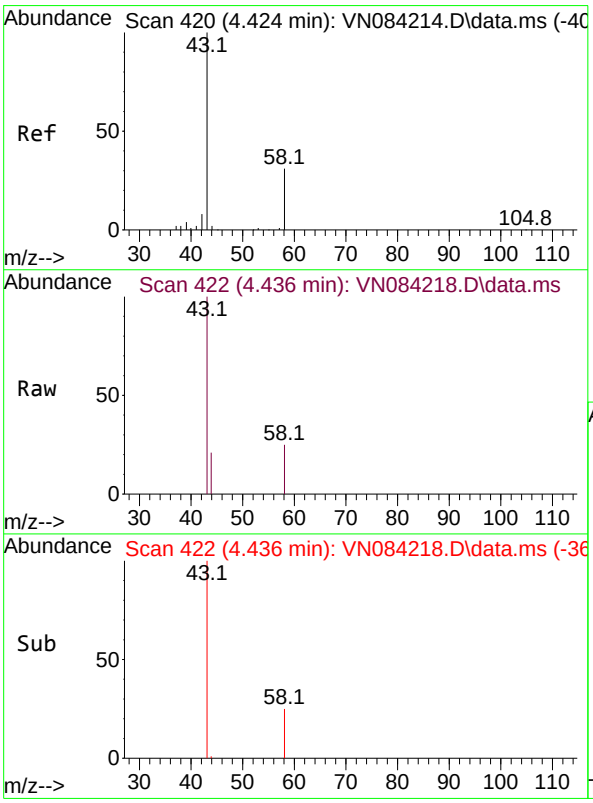
#15
Acrylonitrile
Concen: 4.963 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4920

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	0.0	28.8	43.2#

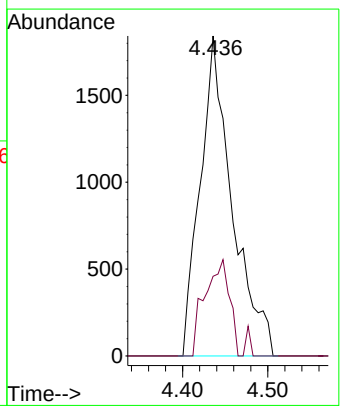


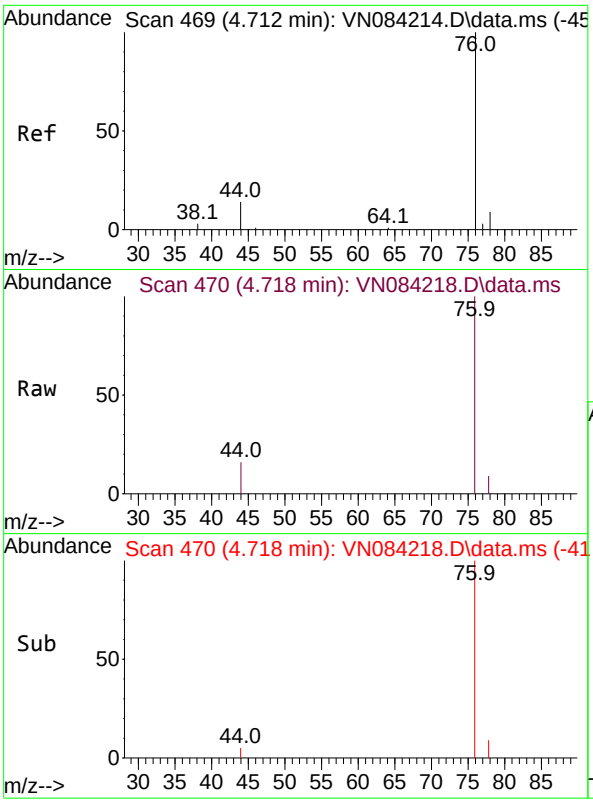


#16
Acetone
Concen: 4.692 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 4799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.4	36.6



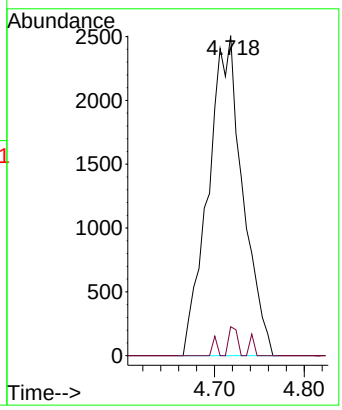


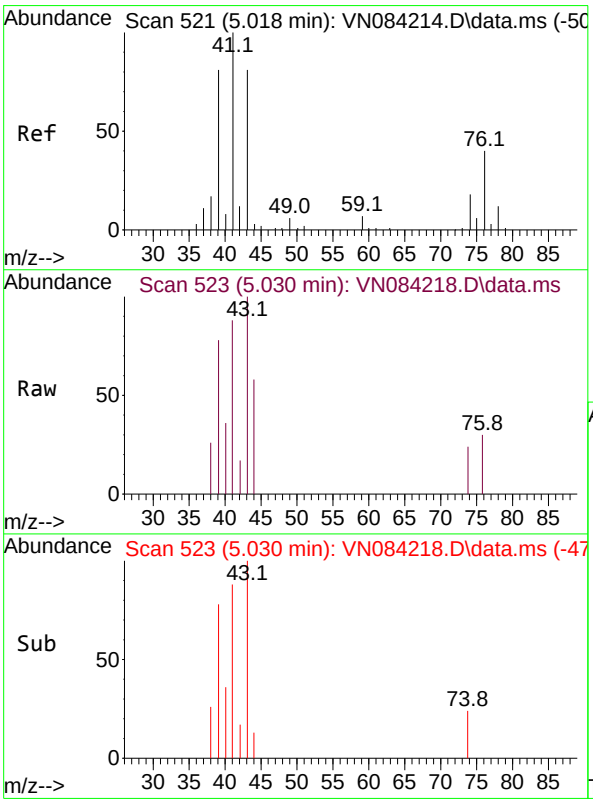
#17
Carbon Disulfide
Concen: 1.167 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 6680

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

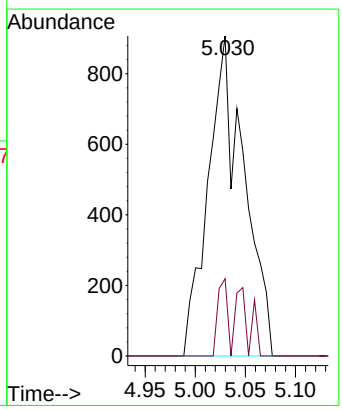


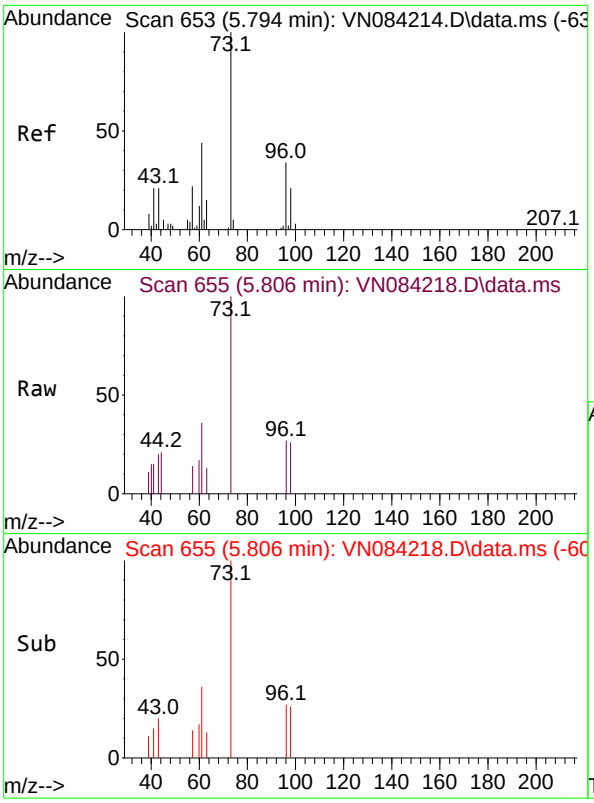


#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2249

Ion	Ratio	Lower	Upper
43	100		
74	6.4	19.2	28.8#



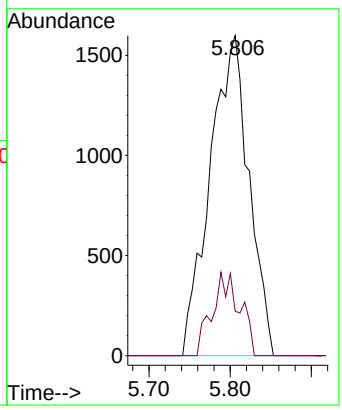


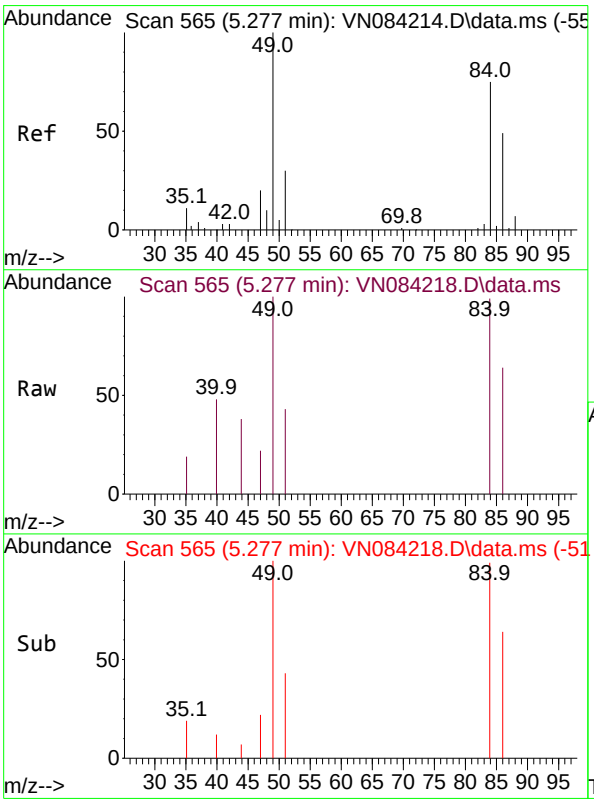
#19
Methyl tert-butyl Ether
Concen: 0.872 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5319

Ion	Ratio	Lower	Upper
73	100		
57	13.9	17.7	26.5#

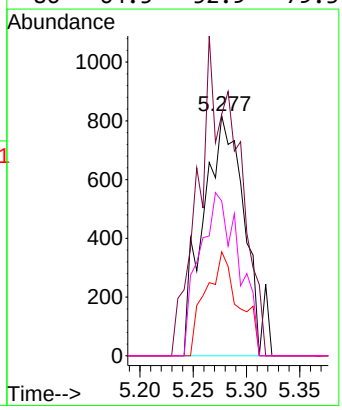


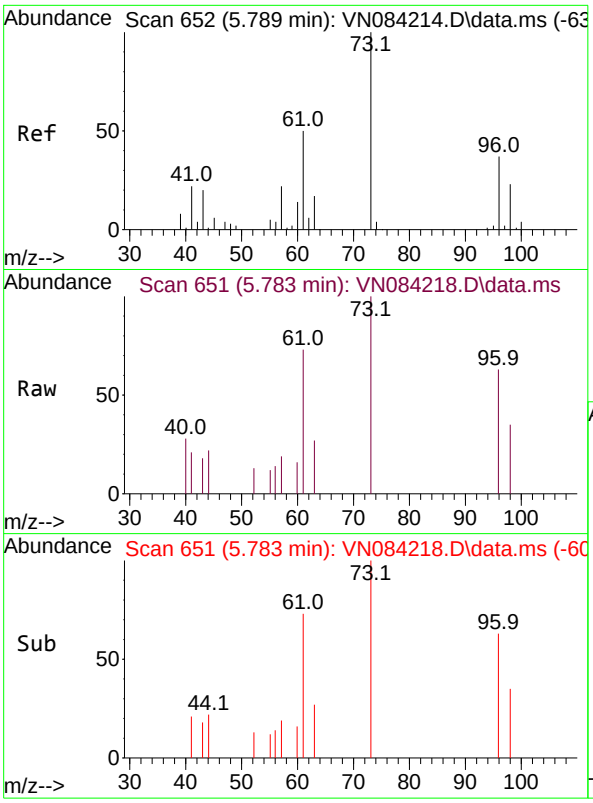


#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 84 Resp: 2203

Ion	Ratio	Lower	Upper
84	100		
49	100.6	107.2	160.8#
51	43.3	31.8	47.8
86	64.5	52.9	79.3



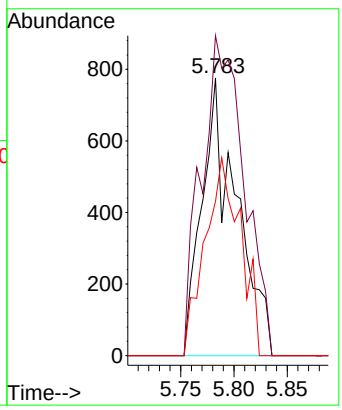


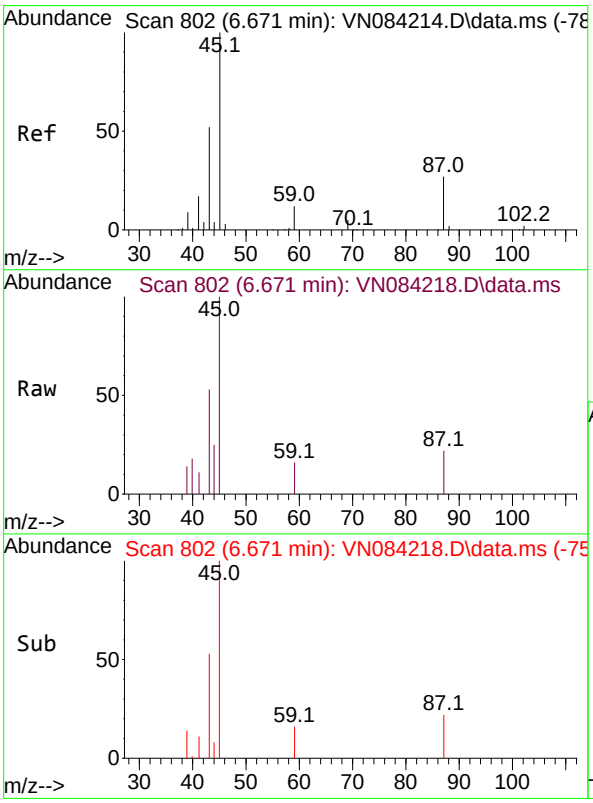
#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1753

Ion	Ratio	Lower	Upper
96	100		
61	115.2	108.4	162.6
98	55.5	49.8	74.8

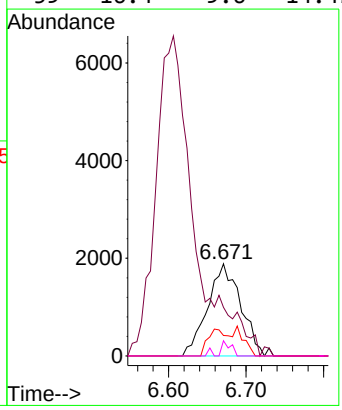


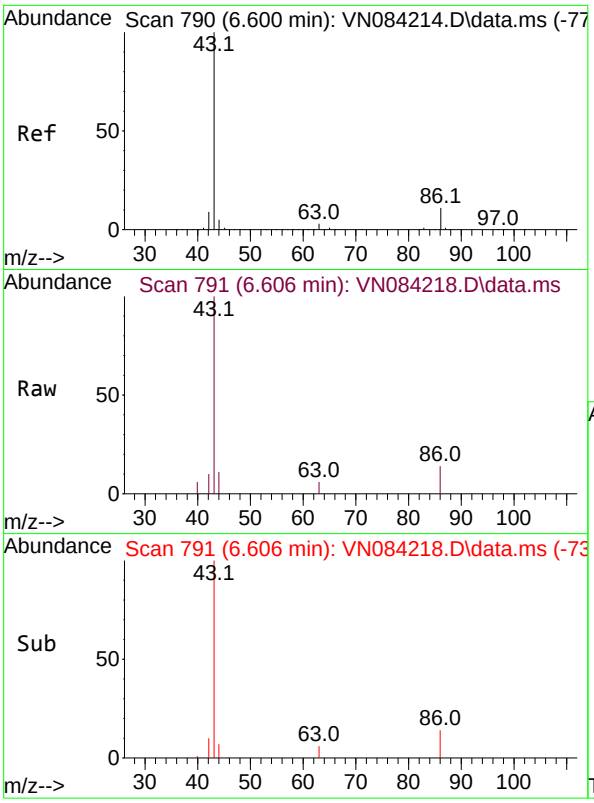


#22
Diisopropyl ether
Concen: 0.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 45 Resp: 5639

Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.3	63.5
87	22.2	21.8	32.6
59	16.4	9.6	14.4#



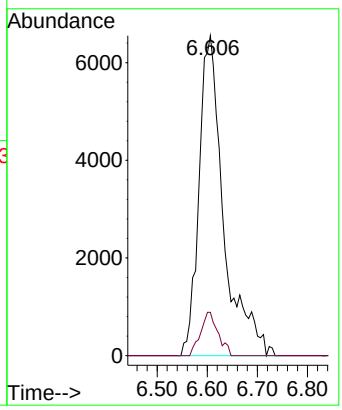


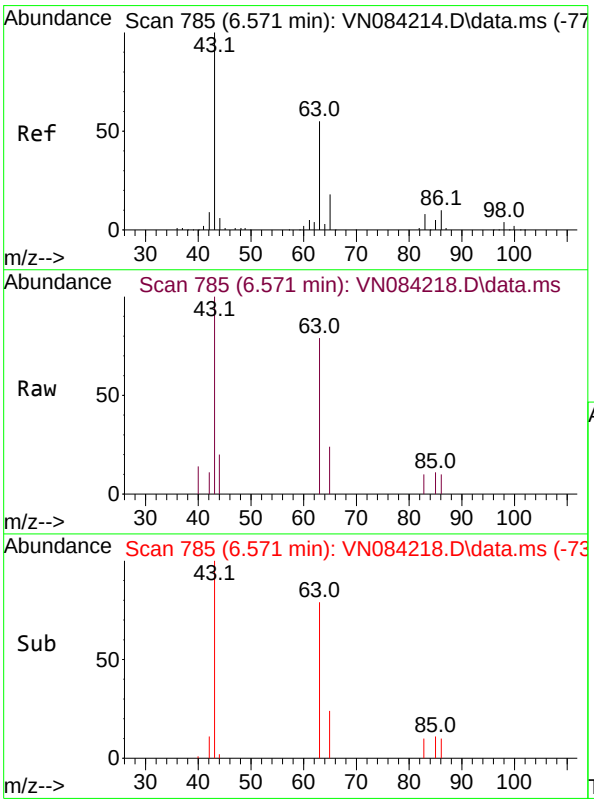
#23
Vinyl Acetate
Concen: 4.634 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 22441

Ion	Ratio	Lower	Upper
43	100		
86	13.5	8.6	12.8#

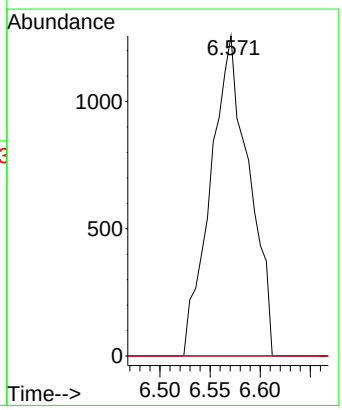


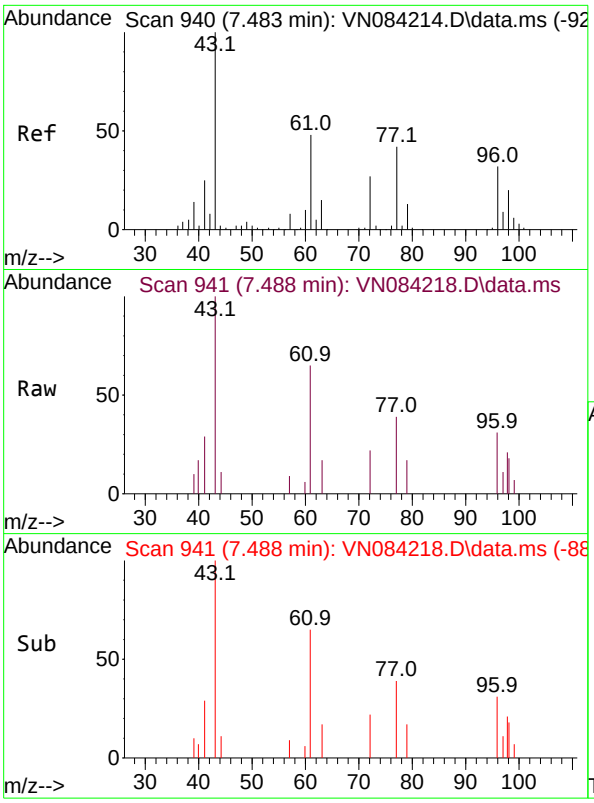


#24
1,1-Dichloroethane
Concen: 0.925 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 3358

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#



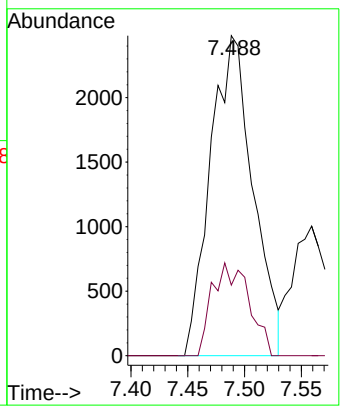


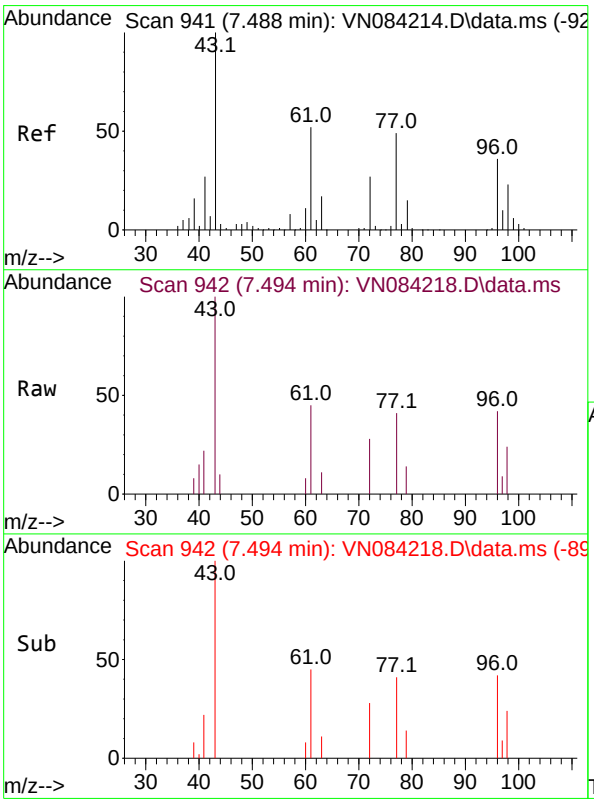
#25
2-Butanone
Concen: 4.658 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6488

Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.4	32.2

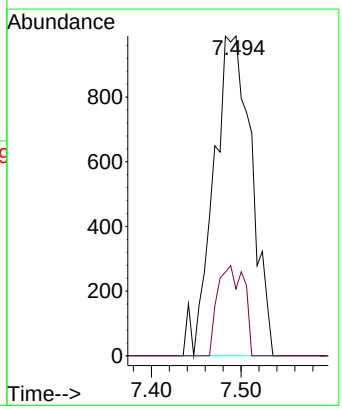


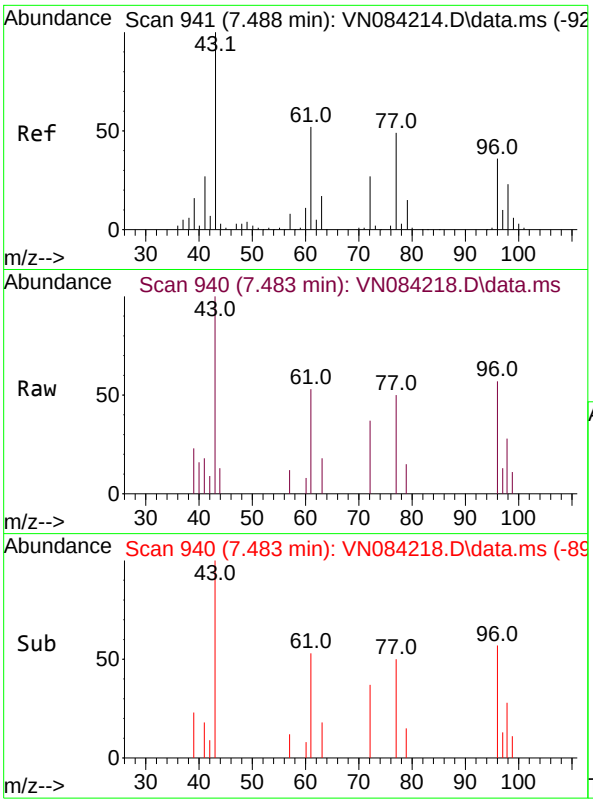


#26
2,2-Dichloropropane
Concen: 0.886 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 77 Resp: 2902

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.8	32.3



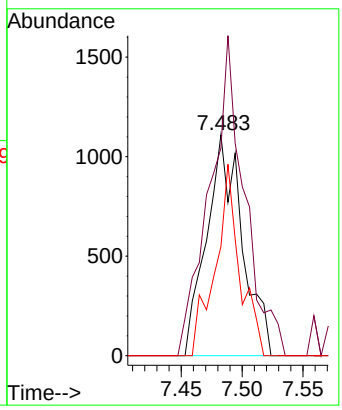


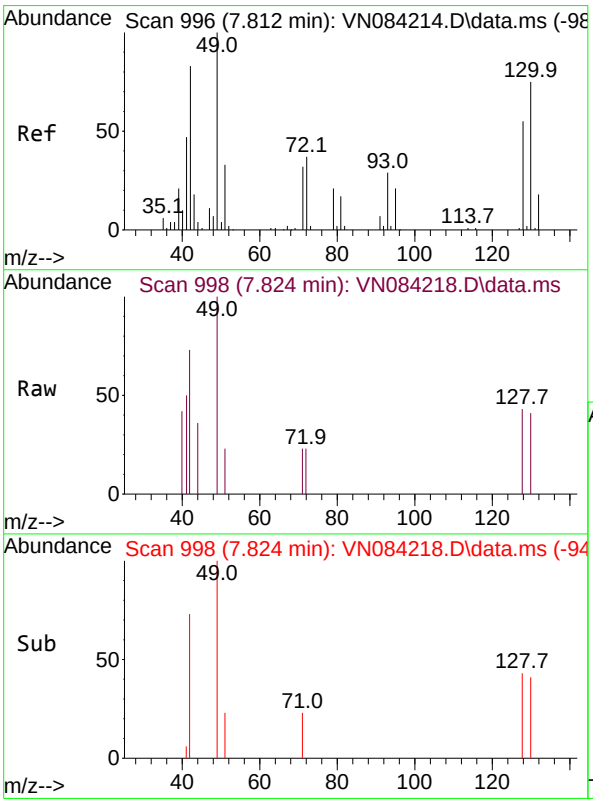
#27
cis-1,2-Dichloroethene
Concen: 0.987 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2259

Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	301.8
98	59.5	0.0	128.2

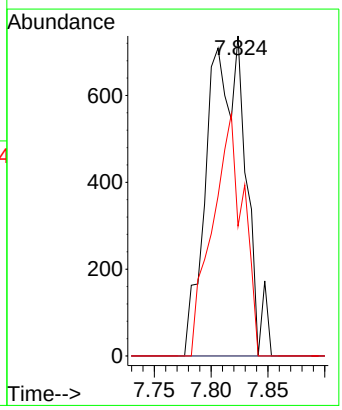


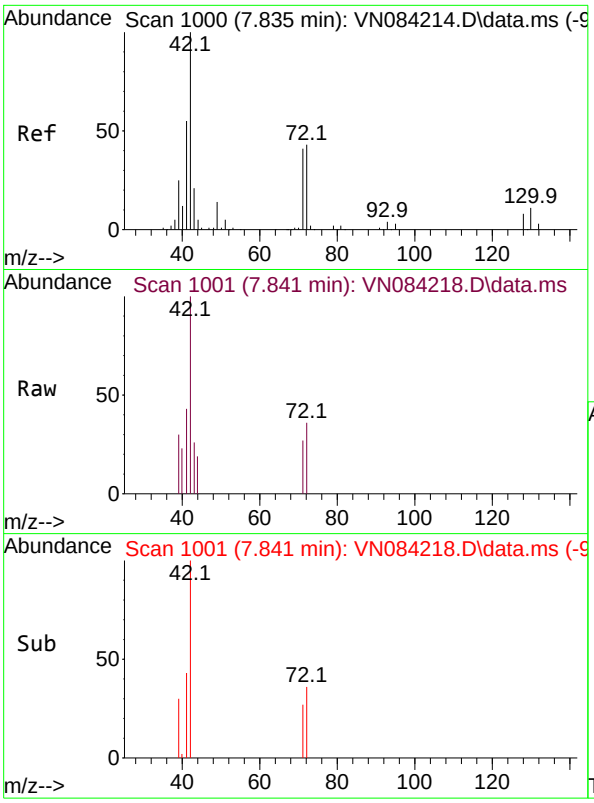


#28
Bromochloromethane
Concen: 1.060 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 49 Resp: 1718

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	61.3	58.0	87.0



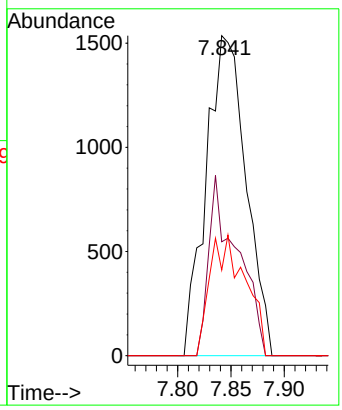


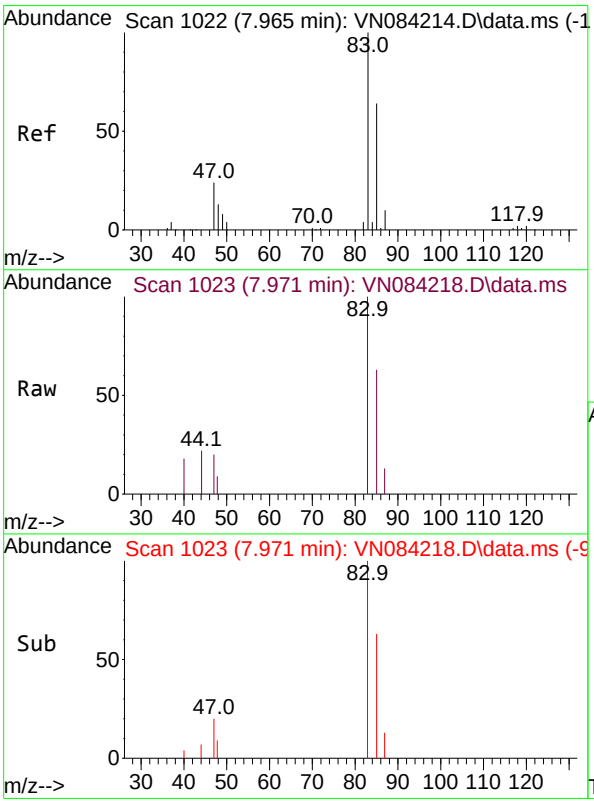
#29
Tetrahydrofuran
Concen: 4.660 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4006

Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.6	51.8
71	33.4	32.2	48.4

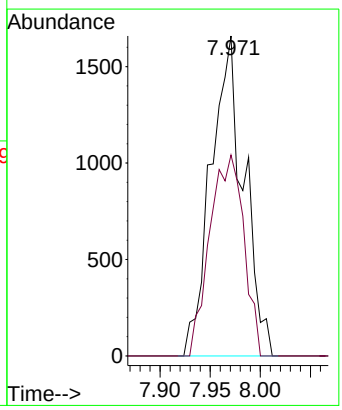


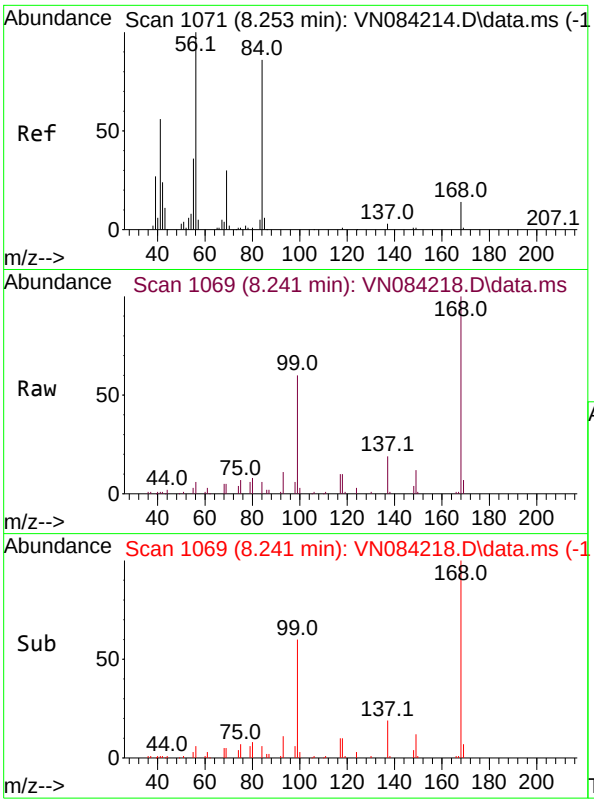


#30
Chloroform
Concen: 1.005 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 3793

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4



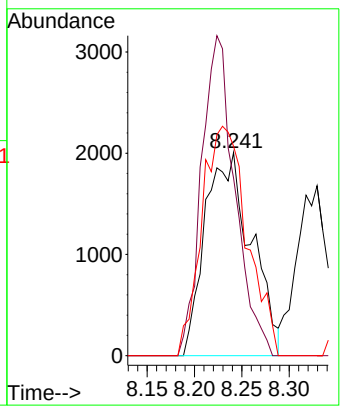


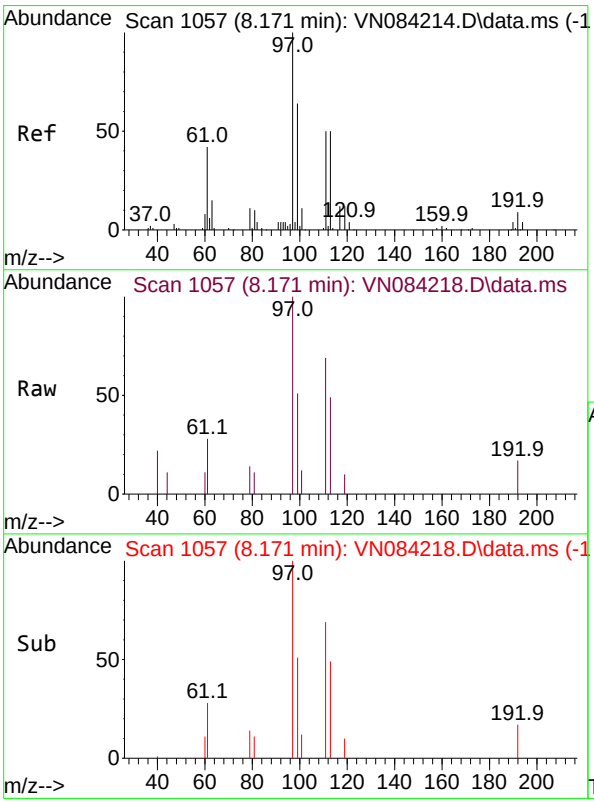
#31
Cyclohexane
Concen: 1.928 ug/l
RT: 8.241 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 6798

Ion	Ratio	Lower	Upper
56	100		
69	87.4	23.8	35.6#
84	103.0	68.8	103.2

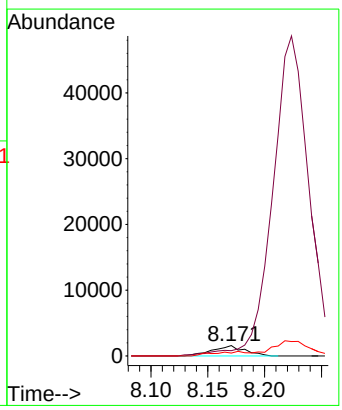


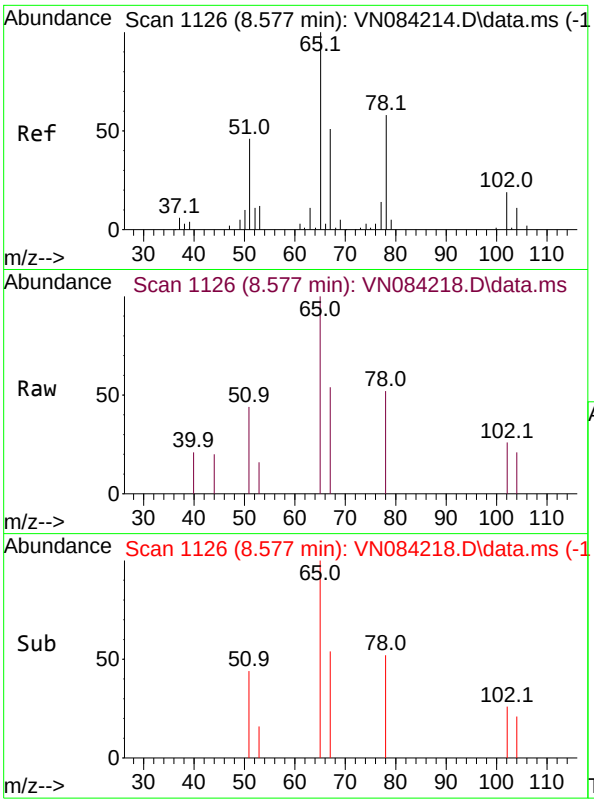


#32
1,1,1-Trichloroethane
Concen: 0.921 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 97 Resp: 3120

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	46.5	37.5	56.3



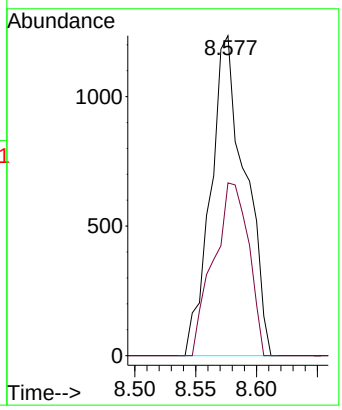


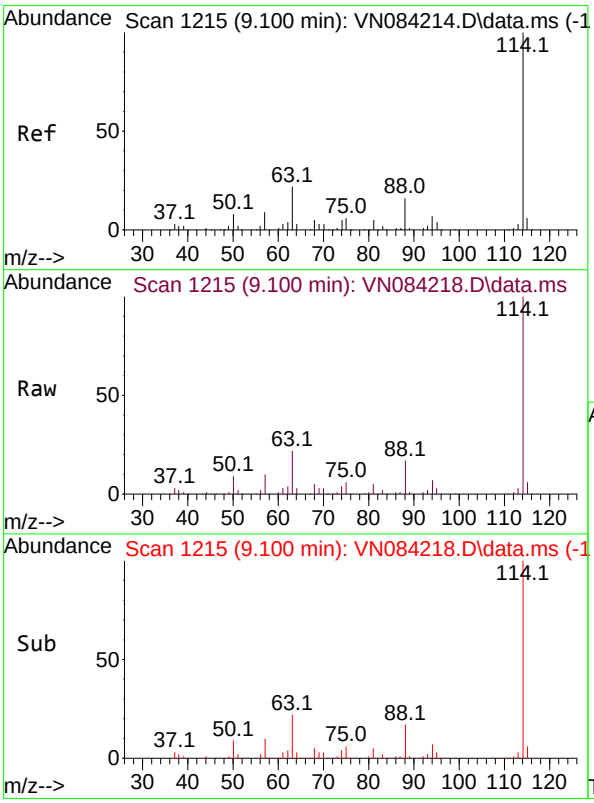
#33
1,2-Dichloroethane-d4
Concen: 1.026 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2443

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	102.0

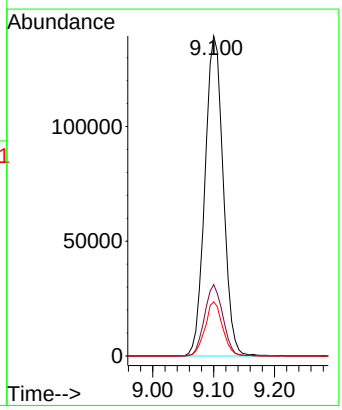


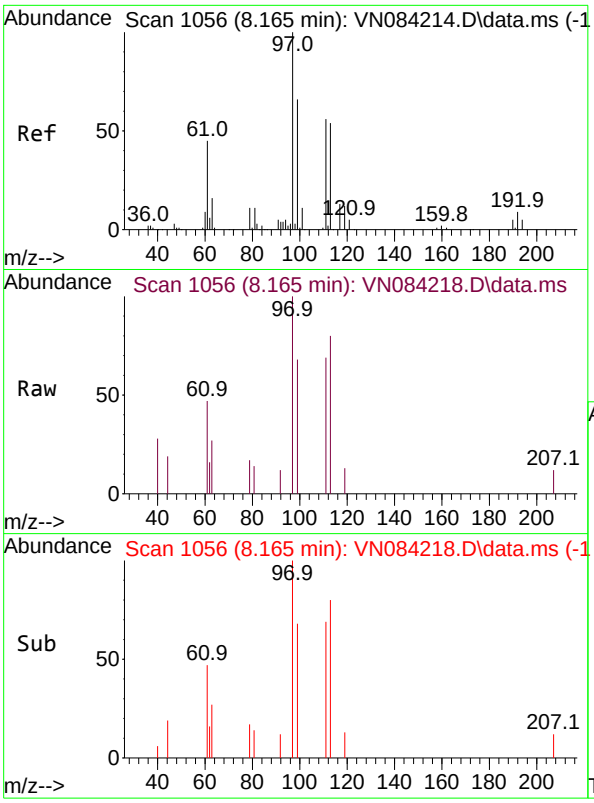


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:114 Resp: 290146

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.9	0.0	31.6



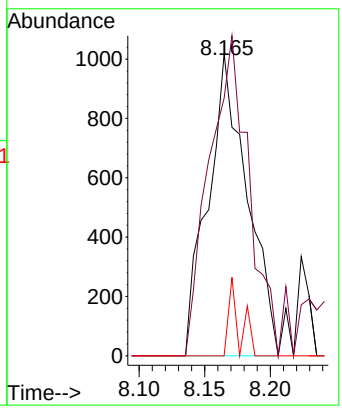


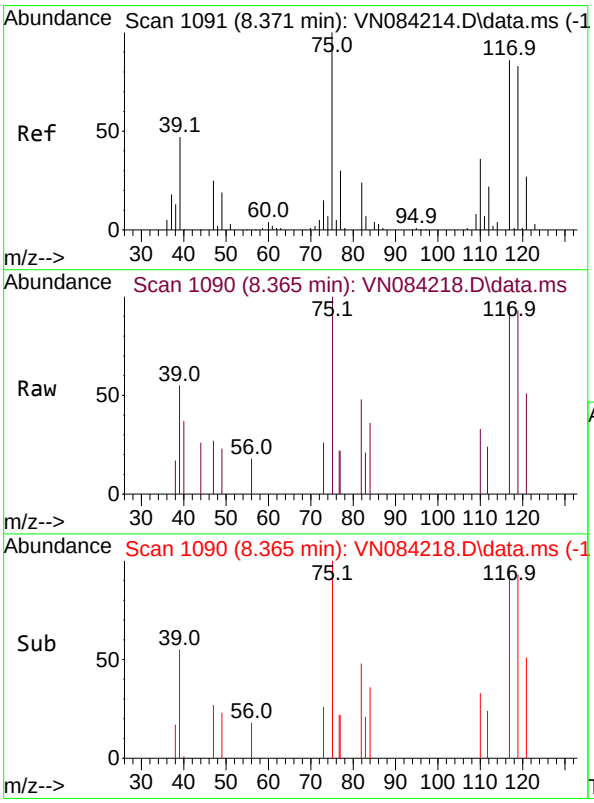
#35
Dibromofluoromethane
Concen: 1.105 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2114

Ion	Ratio	Lower	Upper
113	100		
111	106.9	83.3	124.9
192	7.2	13.5	20.3#

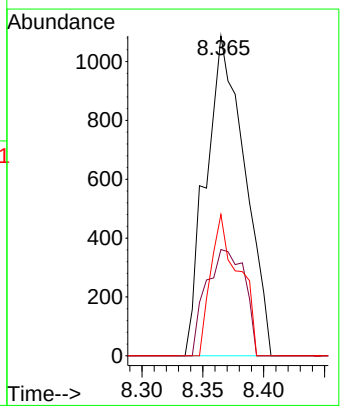


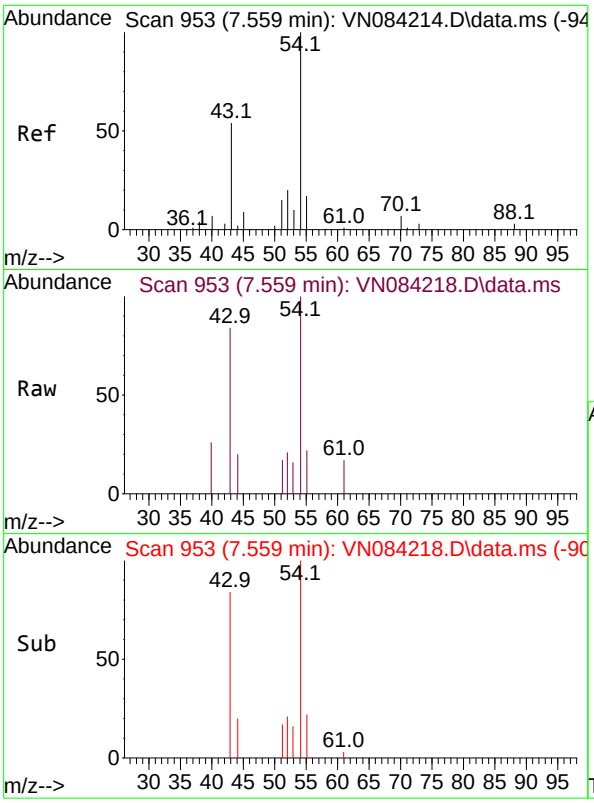


#36
1,1-Dichloropropene
Concen: 0.871 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2420

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.7
77	31.9	24.7	37.1



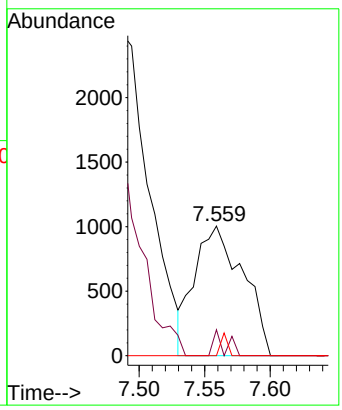


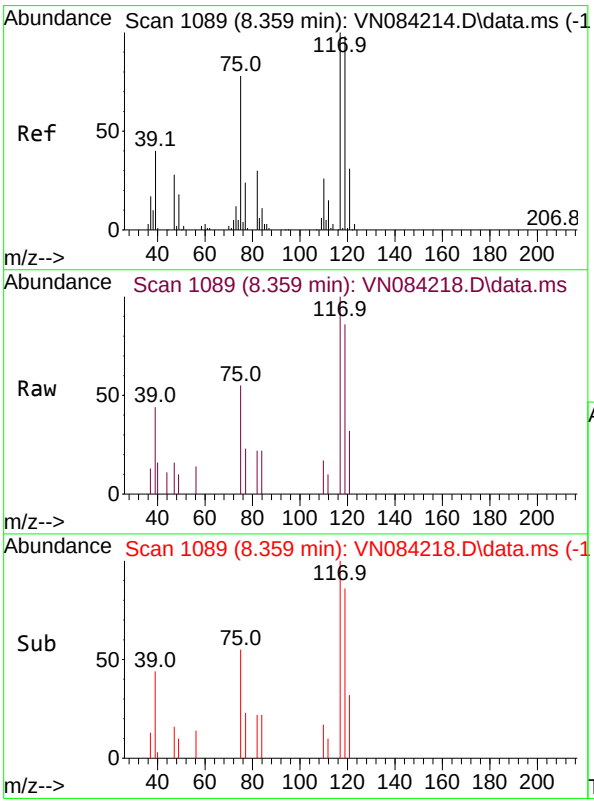
#37
Ethyl Acetate
Concen: 0.911 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2596

Ion	Ratio	Lower	Upper
43	100		
61	4.8	10.7	16.1#
70	2.4	8.8	13.2#

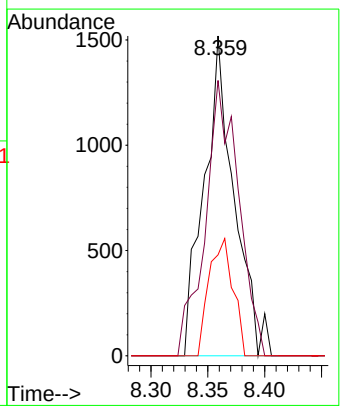


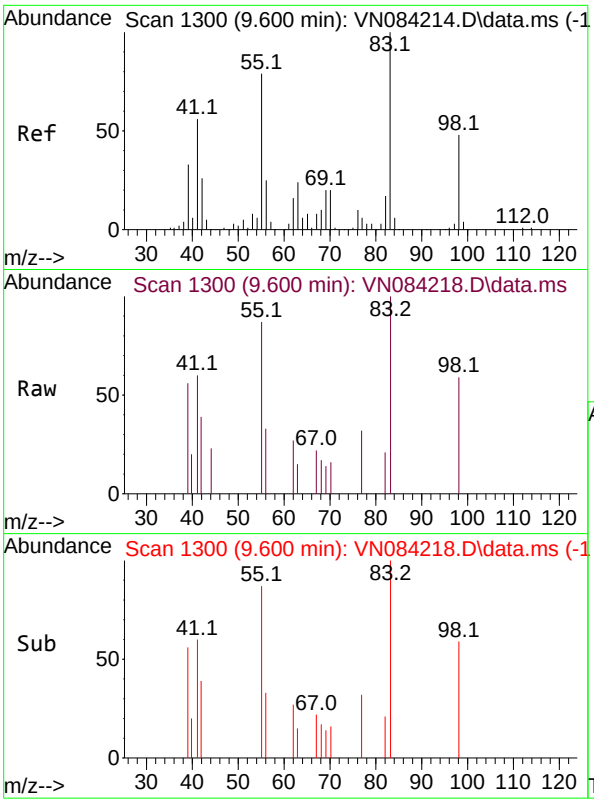


#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 2795

Ion	Ratio	Lower	Upper
117	100		
119	86.1	78.7	118.1
121	31.6	24.4	36.6



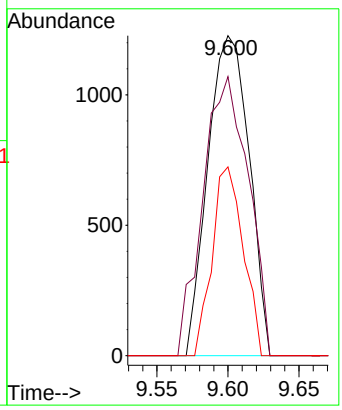


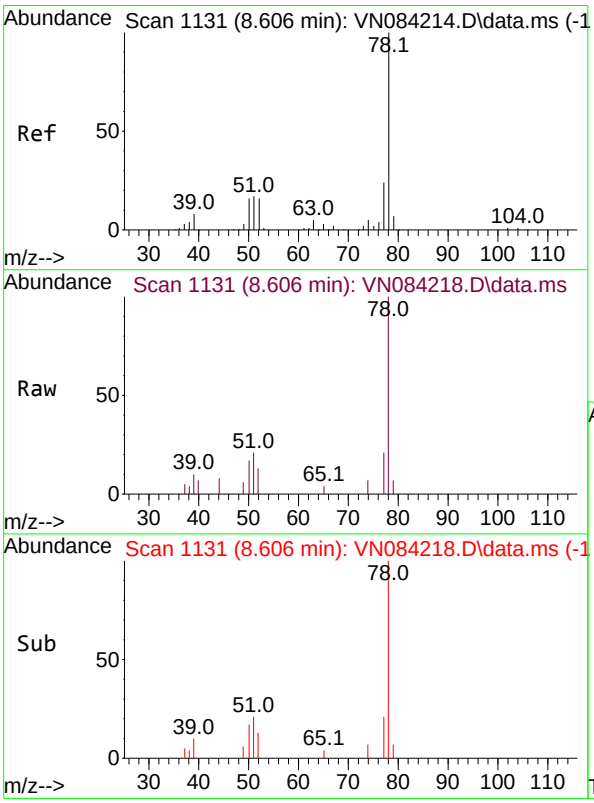
#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2486

Ion	Ratio	Lower	Upper
83	100		
55	87.2	62.8	94.2
98	59.0	38.8	58.2#

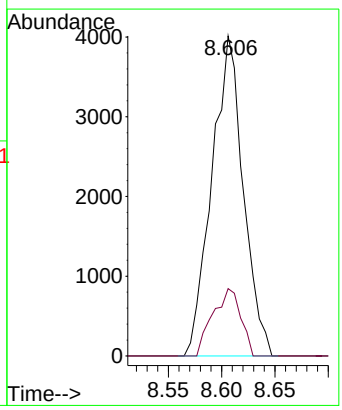


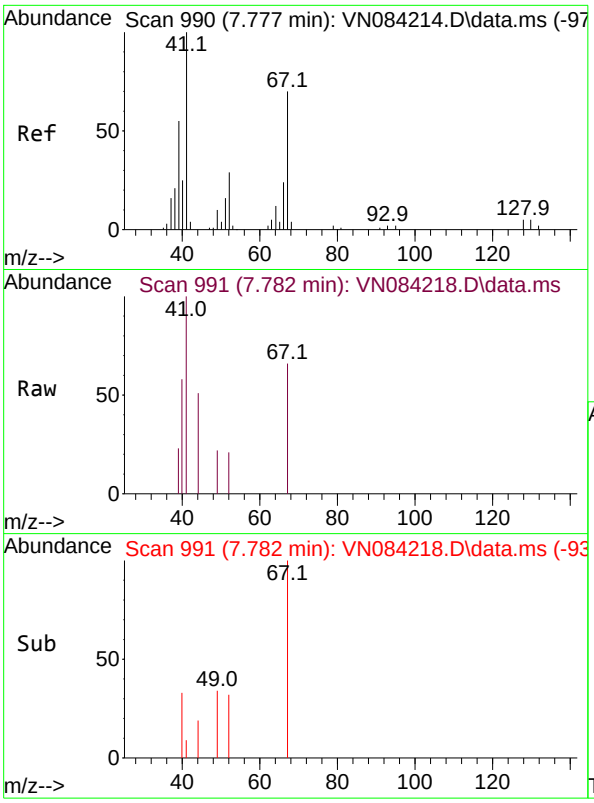


#40
Benzene
Concen: 0.952 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 78 Resp: 8245

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



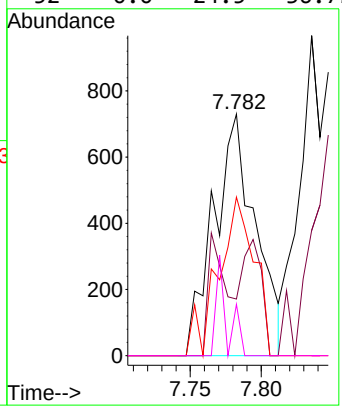


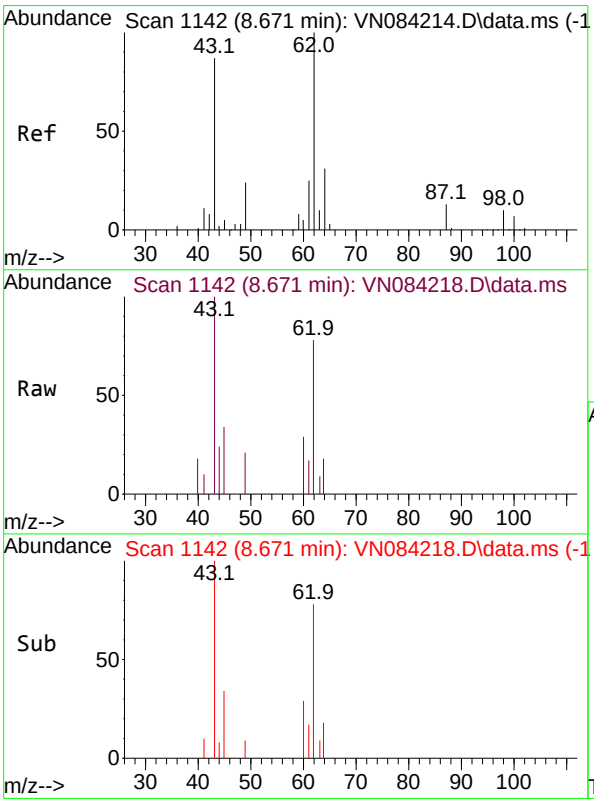
#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1490

Ion	Ratio	Lower	Upper
41	100		
39	21.5	43.3	64.9#
67	56.9	56.1	84.1
52	0.0	24.5	36.7#

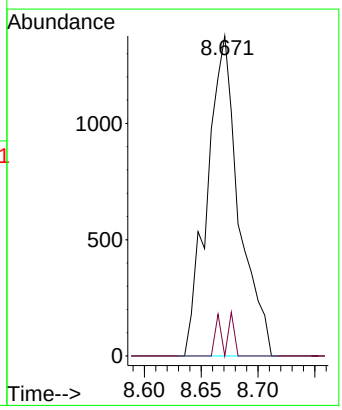


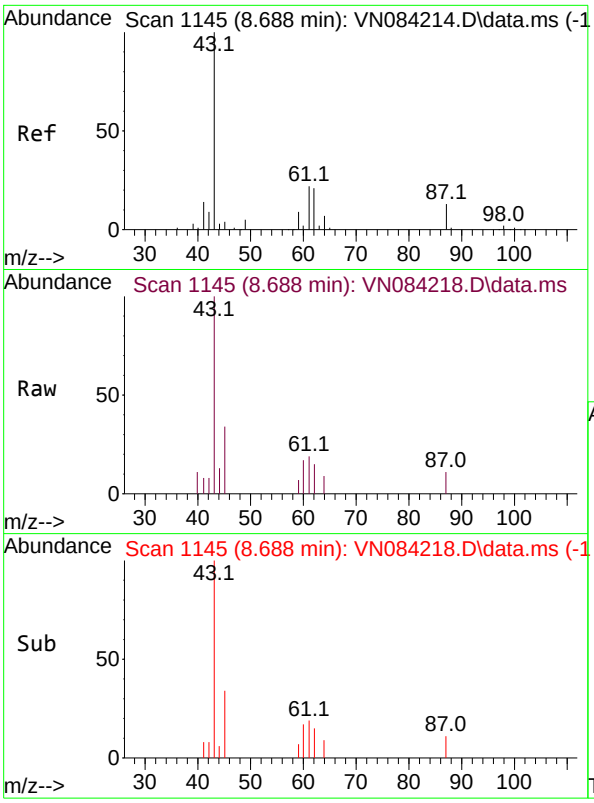


#42
1,2-Dichloroethane
Concen: 0.909 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 2669

Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	18.2



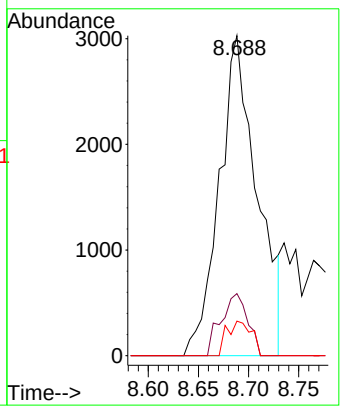


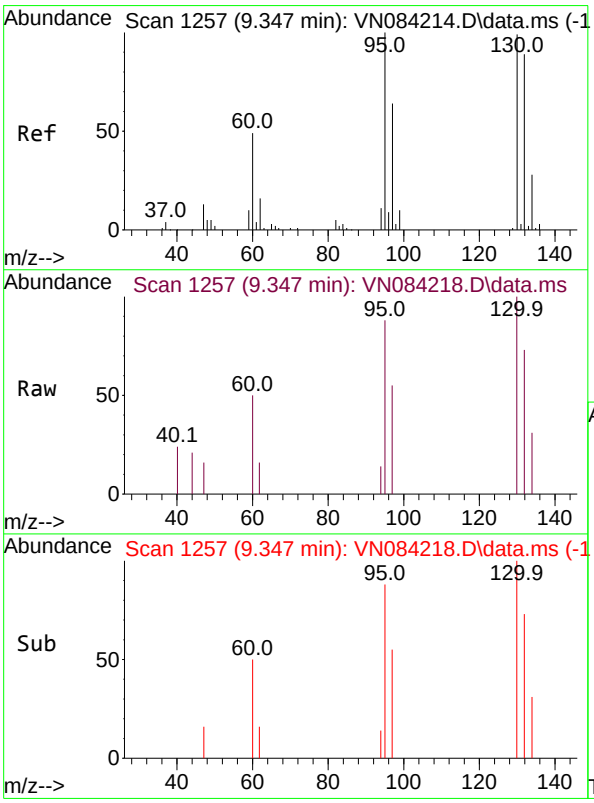
#43
Isopropyl Acetate
Concen: 1.424 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7949

Ion	Ratio	Lower	Upper
43	100		
61	13.7	20.4	30.6#
87	7.0	10.3	15.5#

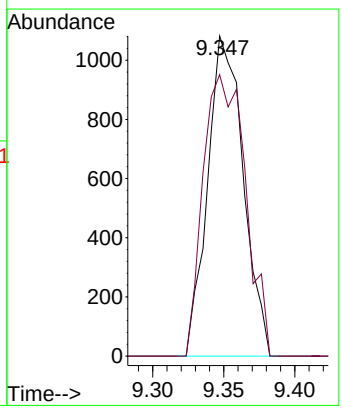


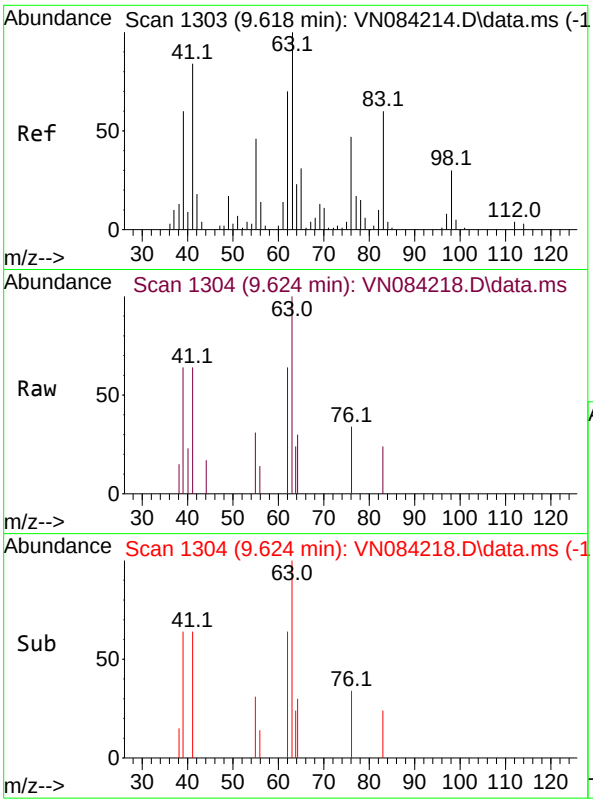


#44
Trichloroethene
Concen: 0.932 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:130 Resp: 1885

Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	203.0



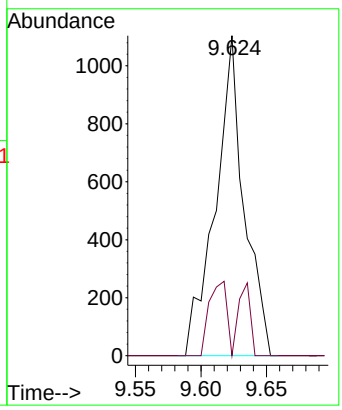


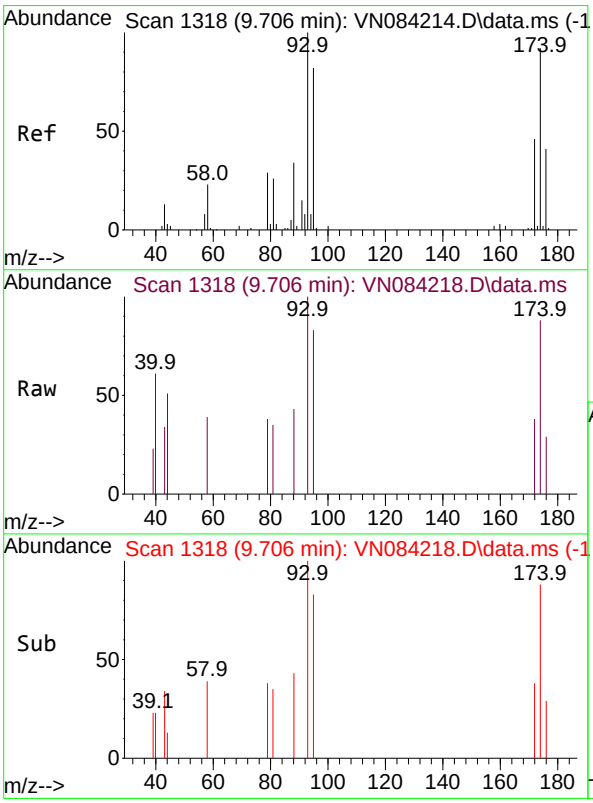
#45
1,2-Dichloropropane
Concen: 0.818 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1676

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#

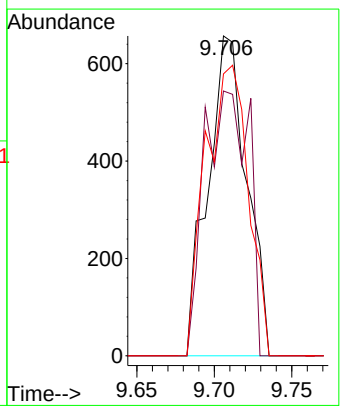


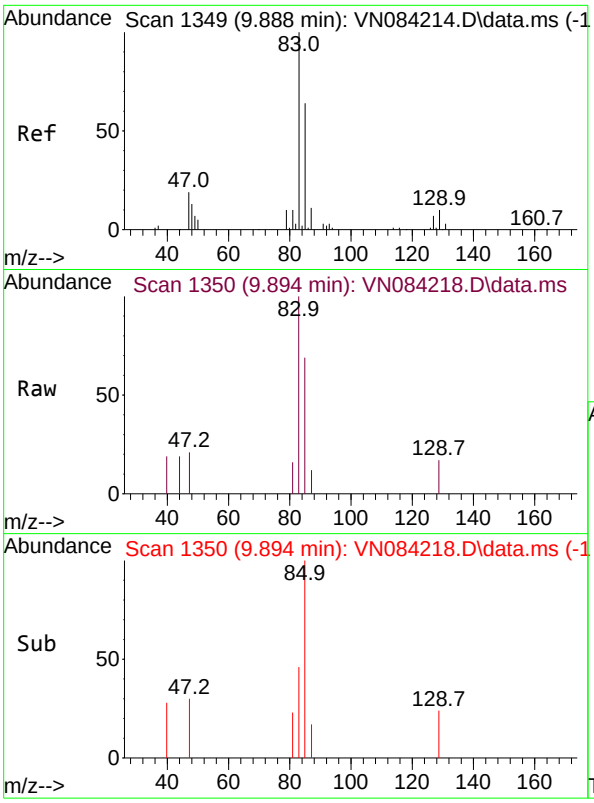


#46
Dibromomethane
Concen: 0.828 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 93 Resp: 1144

Ion	Ratio	Lower	Upper
93	100		
95	95.1	65.0	97.4
174	100.3	71.8	107.8



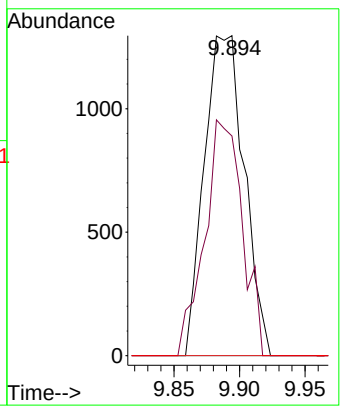


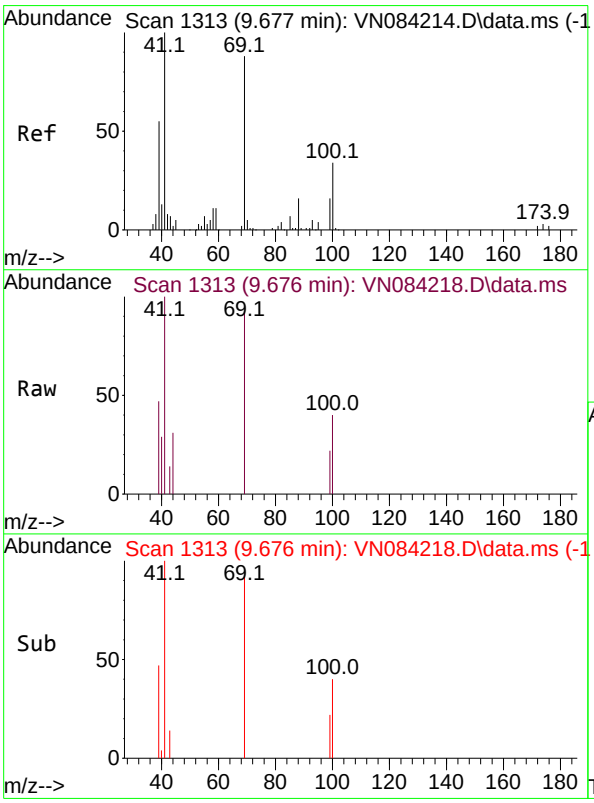
#47
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2754

Ion	Ratio	Lower	Upper
83	100		
85	68.7	51.5	77.3
127	0.0	5.7	8.5#

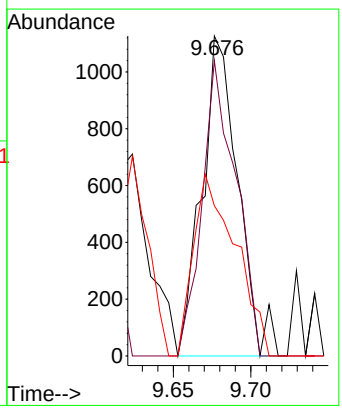


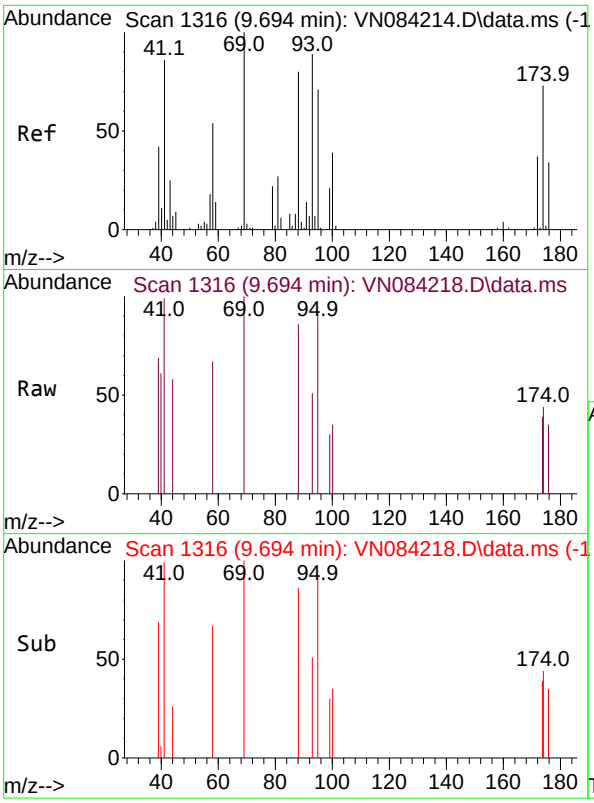


#48
Methyl methacrylate
Concen: 0.821 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 1824

Ion	Ratio	Lower	Upper
41	100		
69	86.5	67.1	100.7
39	66.4	45.8	68.6



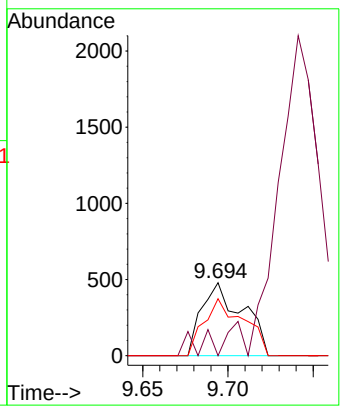


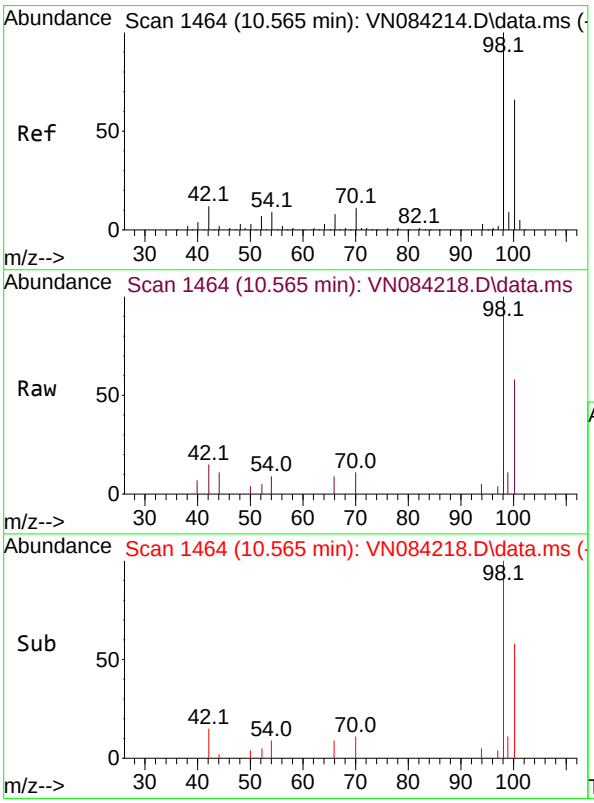
#49
1,4-Dioxane
Concen: 19.552 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 800

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	75.9	56.4	84.6

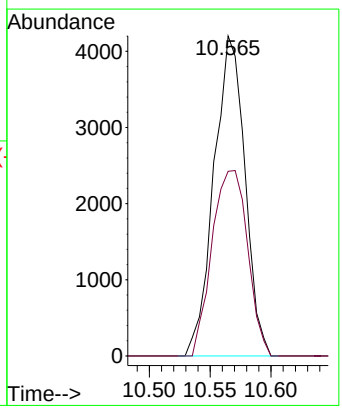


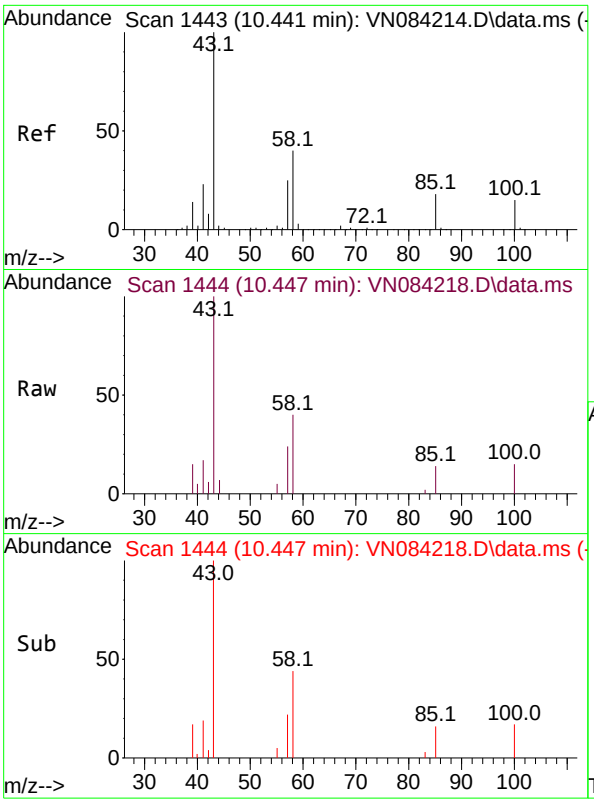


#50
Toluene-d8
Concen: 1.056 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 98 Resp: 7435

Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.7	79.1



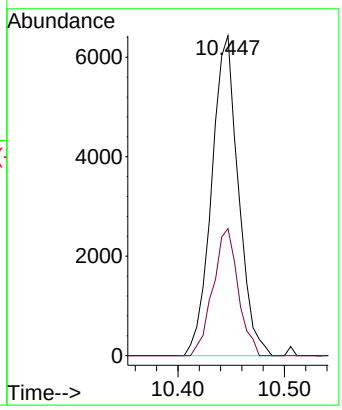


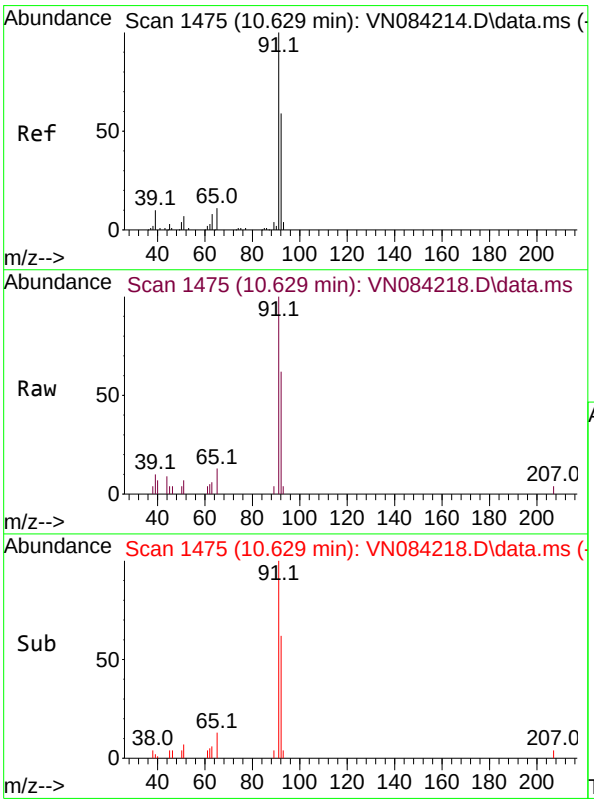
#51
4-Methyl-2-Pentanone
Concen: 4.134 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4

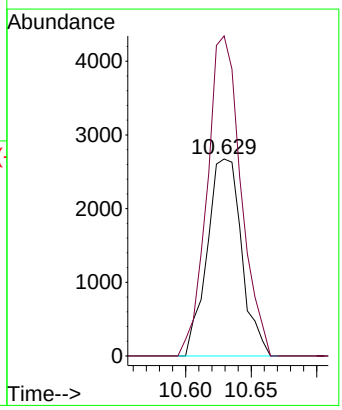


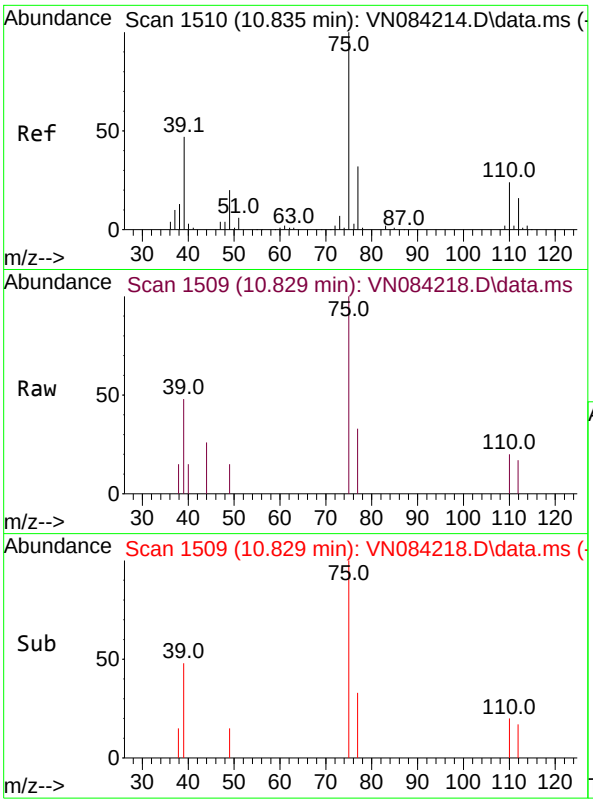


#52
Toluene
Concen: 0.923 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 92 Resp: 4875

Ion	Ratio	Lower	Upper
92	100		
91	159.8	137.3	205.9



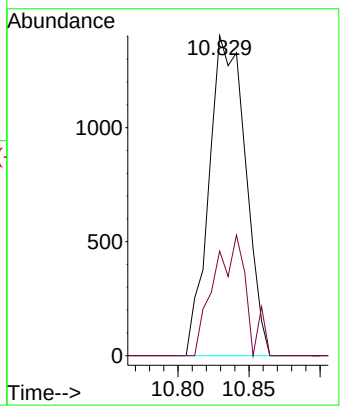


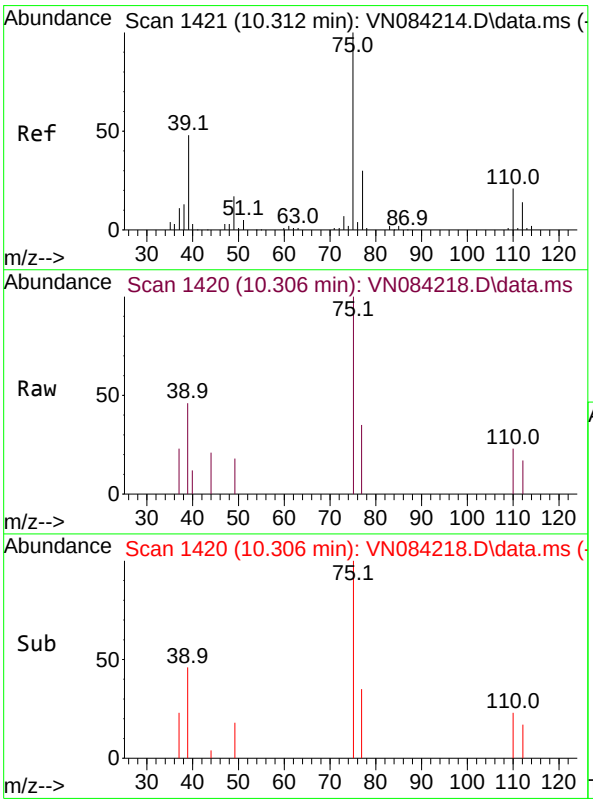
#53
t-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

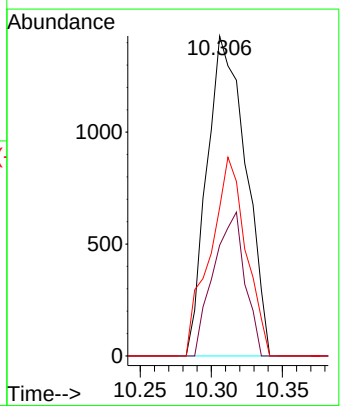


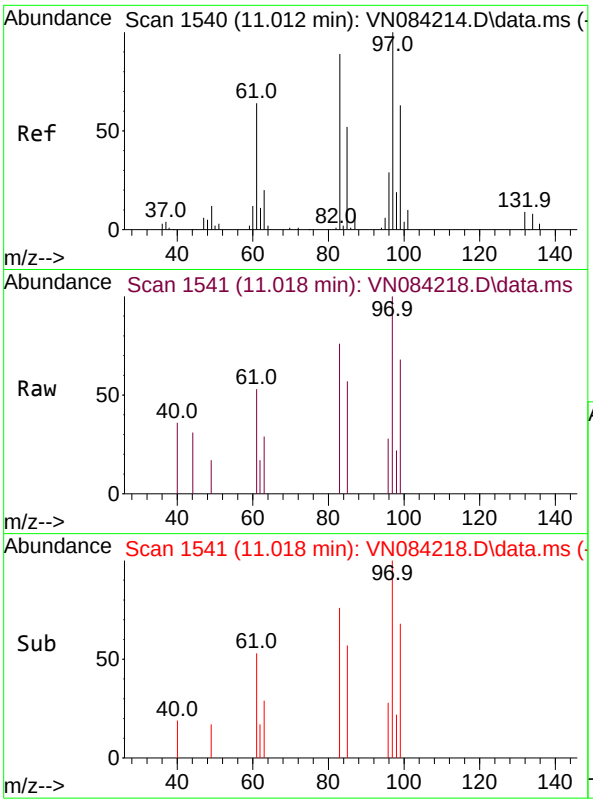


#54
cis-1,3-Dichloropropene
Concen: 0.808 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2720

Ion	Ratio	Lower	Upper
75	100		
77	34.6	24.2	36.2
39	46.3	38.7	58.1



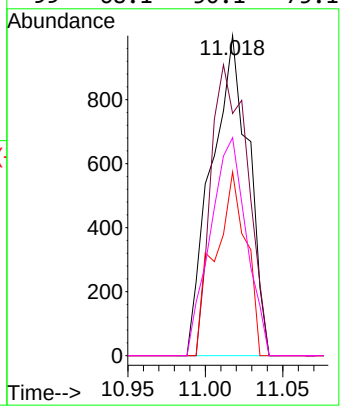


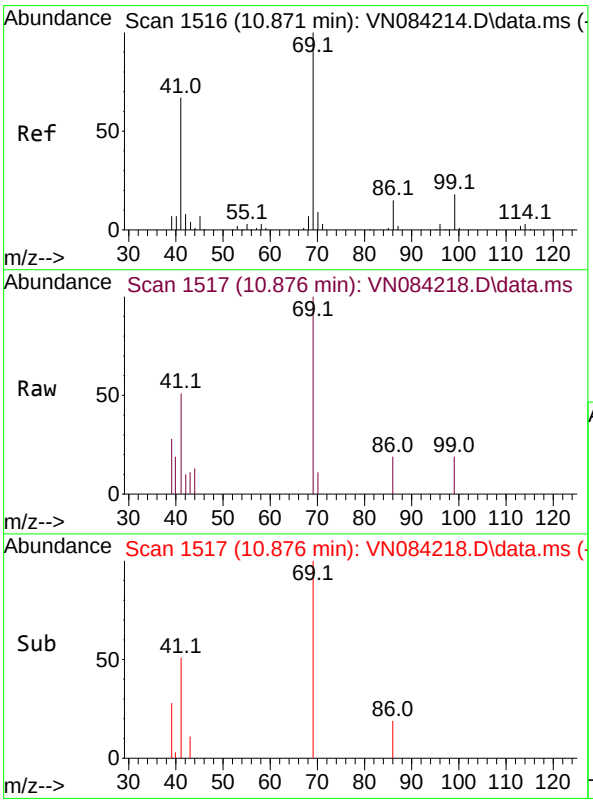
#55
1,1,2-Trichloroethane
Concen: 0.882 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1669

Ion	Ratio	Lower	Upper
97	100		
83	75.7	71.0	106.4
85	57.4	41.7	62.5
99	68.1	50.1	75.1

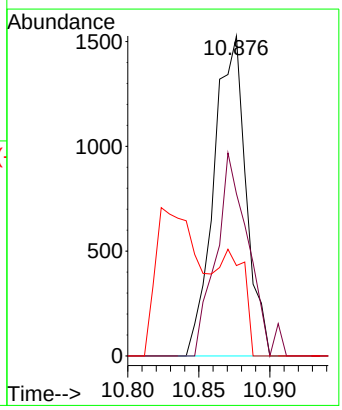


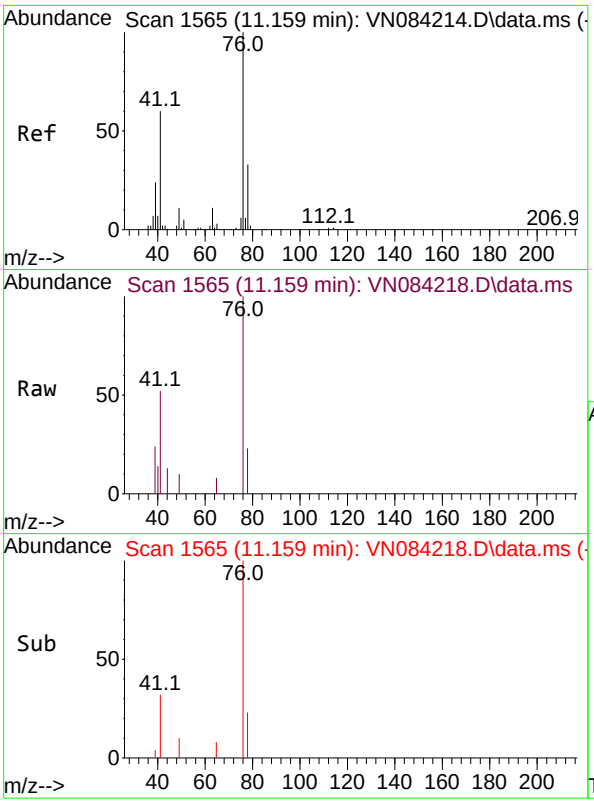


#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 69 Resp: 2402

Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	0.0	28.8	43.2#



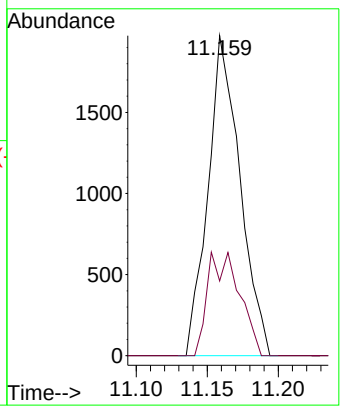


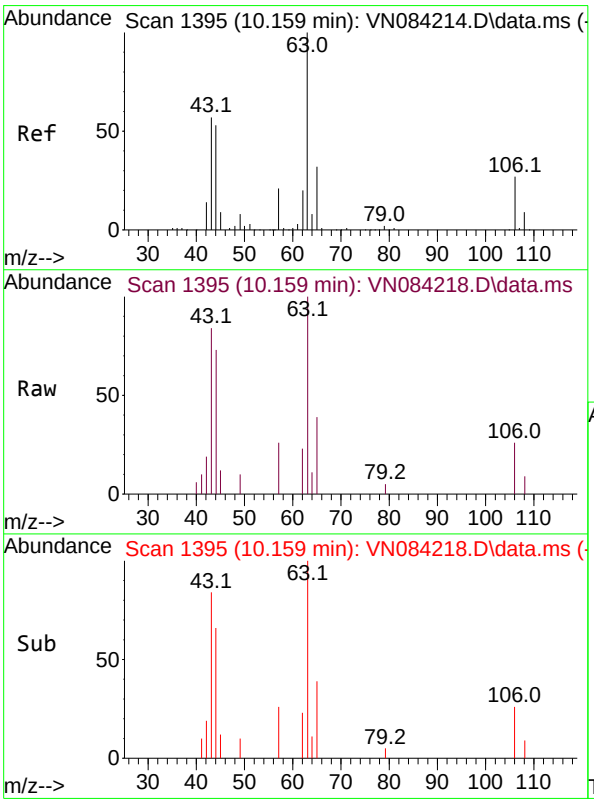
#57
1,3-Dichloropropane
Concen: 0.914 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3092

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

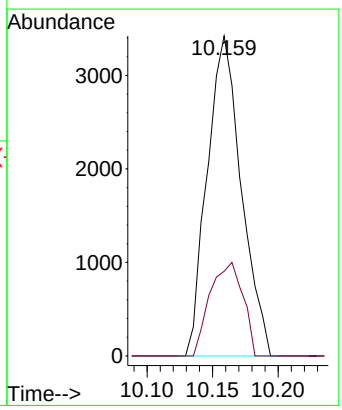


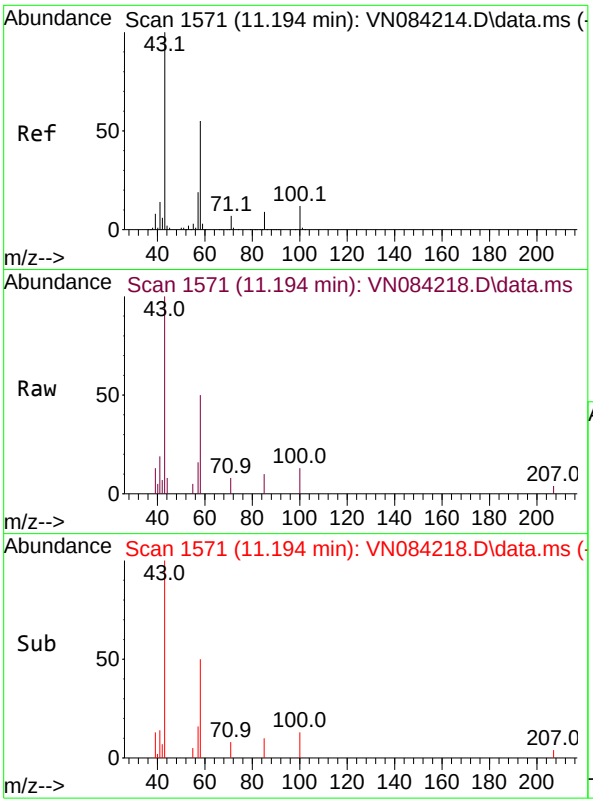


#58
2-Chloroethyl Vinyl ether
Concen: 4.278 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 6179

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



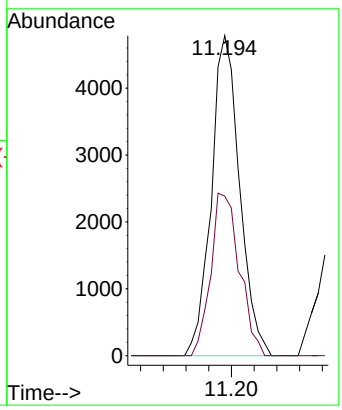


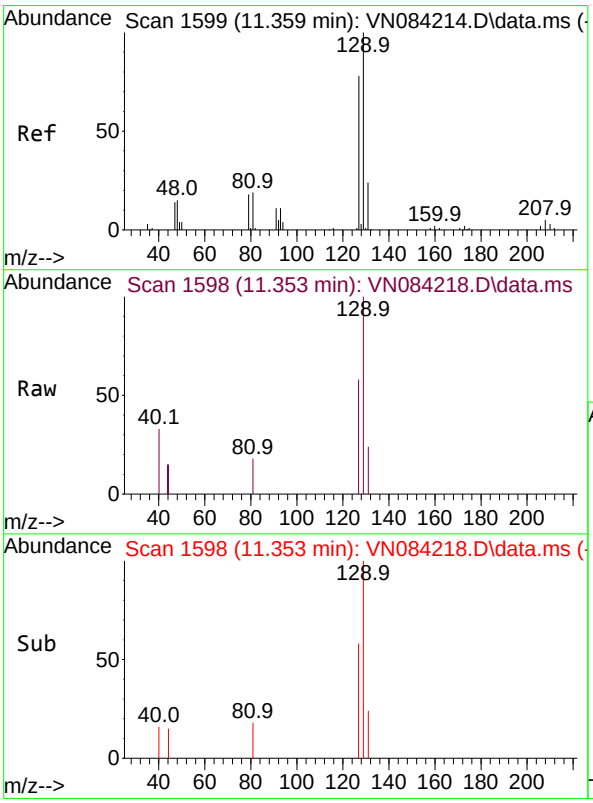
#59
2-Hexanone
Concen: 4.084 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8282

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

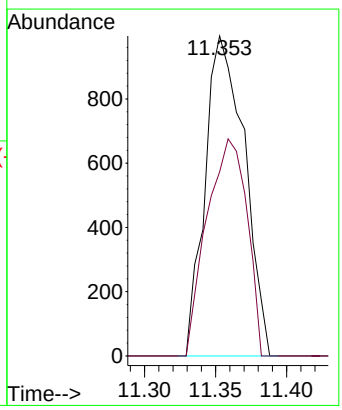


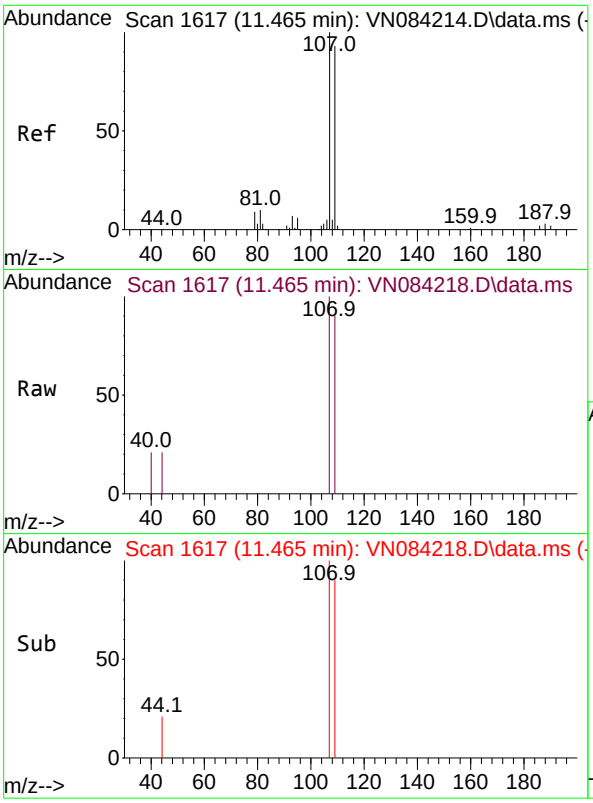


#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:129 Resp: 1916

Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.3	114.9



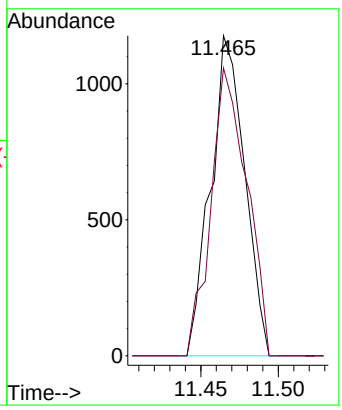


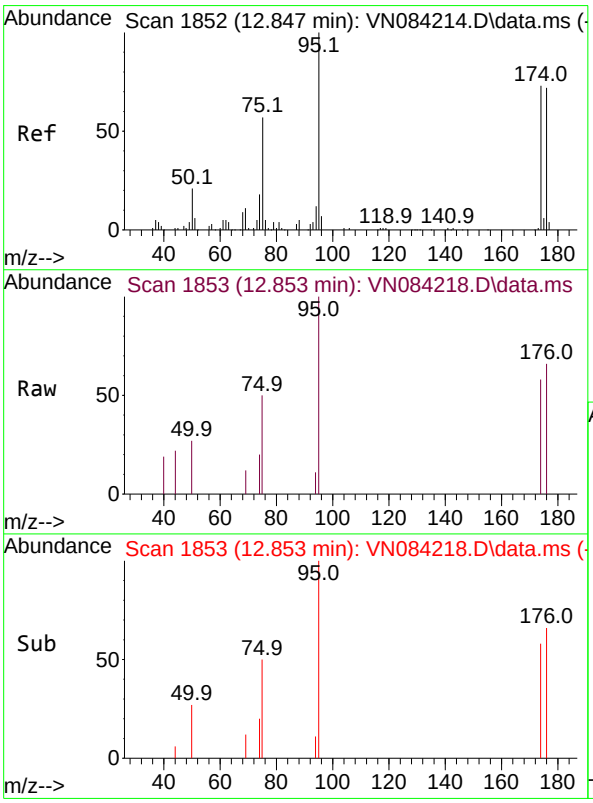
#61
1,2-Dibromoethane
Concen: 0.913 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1795

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

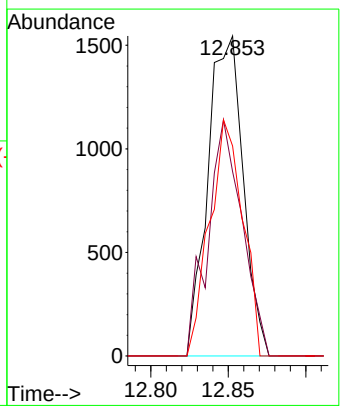


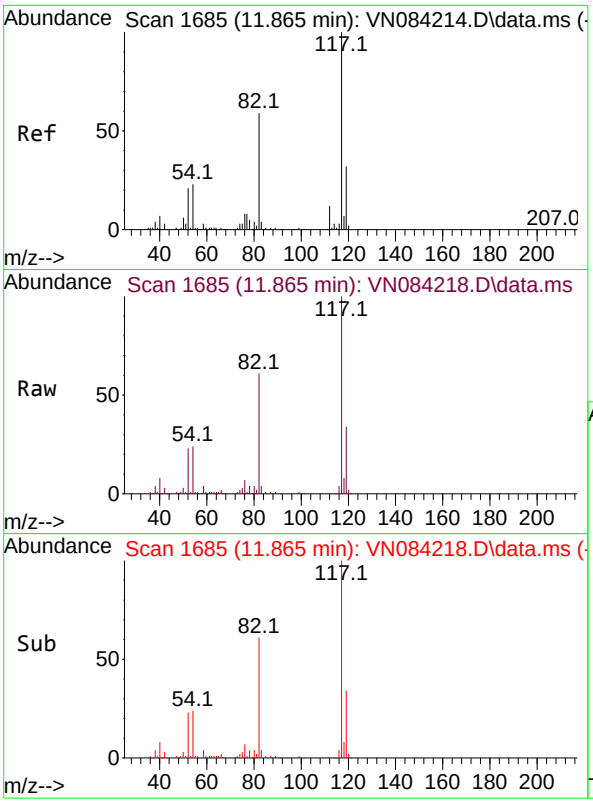


#62
4-Bromofluorobenzene
Concen: 0.956 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 95 Resp: 2451

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	145.2
176	69.2	0.0	140.0



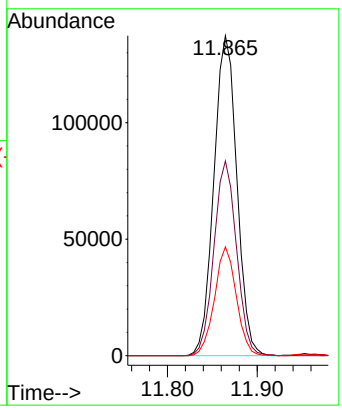


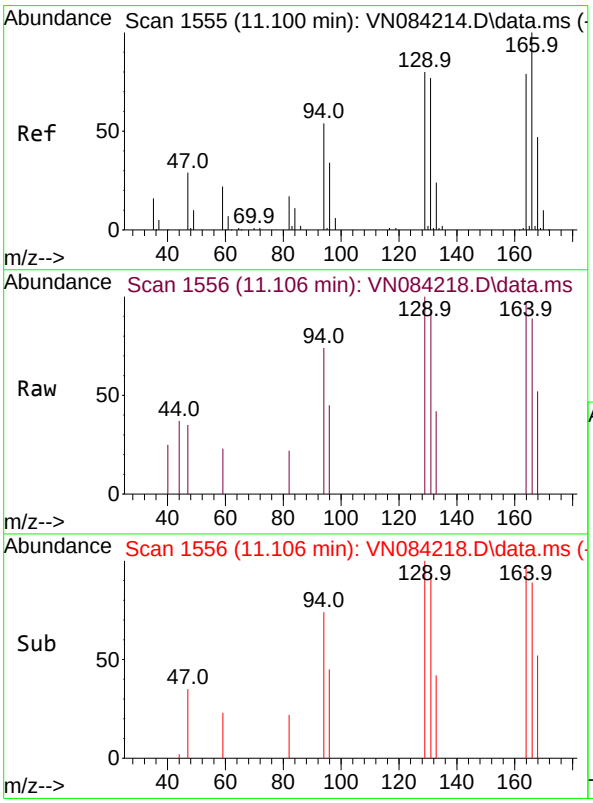
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 244376

Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.2	70.8
119	34.0	25.4	38.0

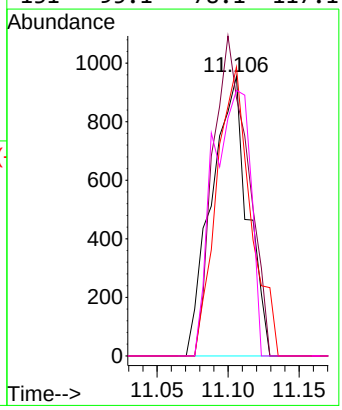


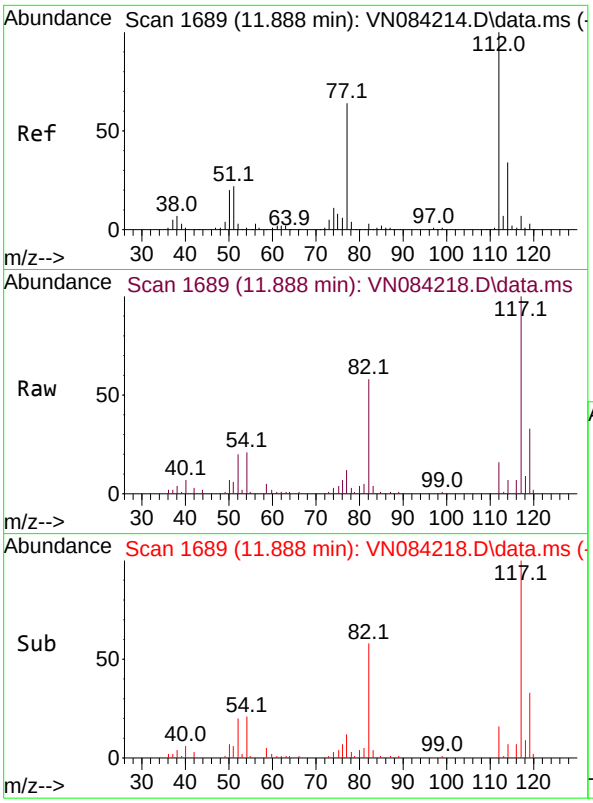


#64
Tetrachloroethene
Concen: 0.993 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:164 Resp: 1690

Ion	Ratio	Lower	Upper
164	100		
166	92.5	101.0	151.4#
129	103.5	80.8	121.2
131	95.1	78.1	117.1



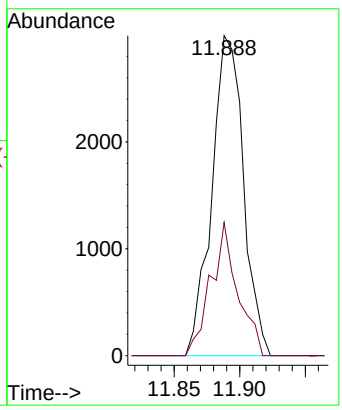


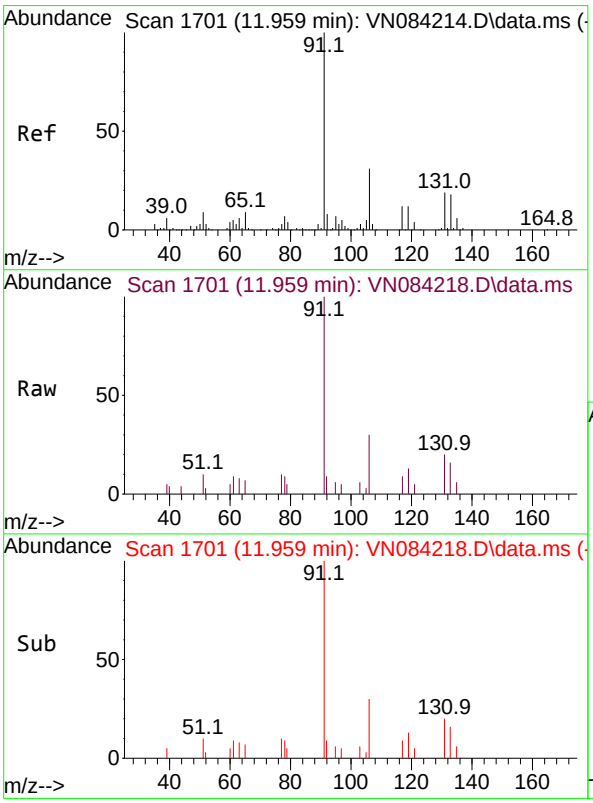
#65
Chlorobenzene
Concen: 0.927 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5025

Ion	Ratio	Lower	Upper
112	100		
114	41.6	27.0	40.6#

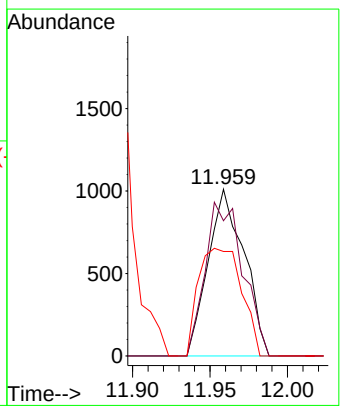


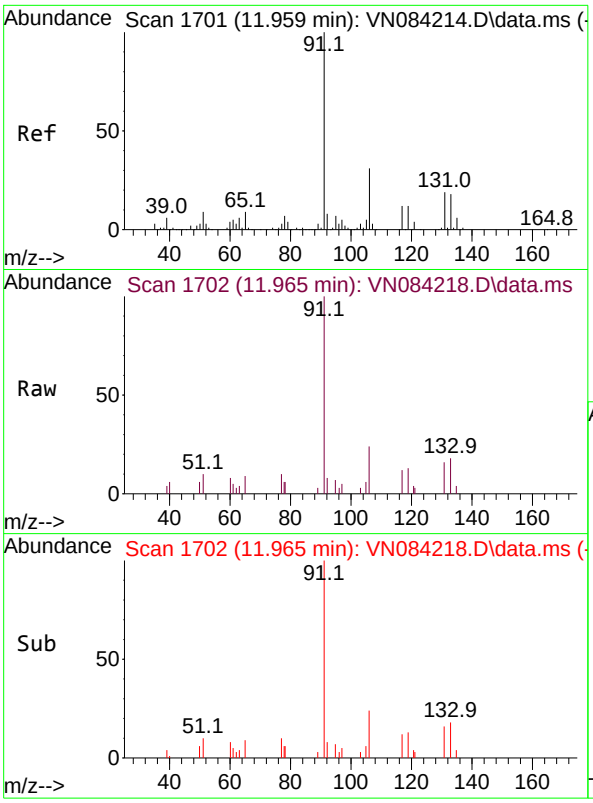


#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:131 Resp: 1632

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	0.0	32.8	98.3#



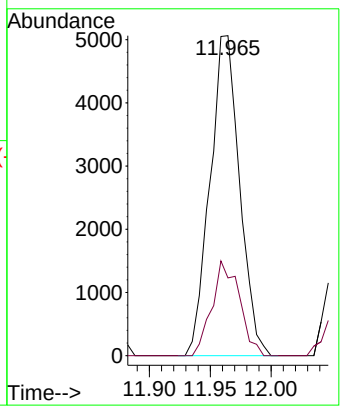


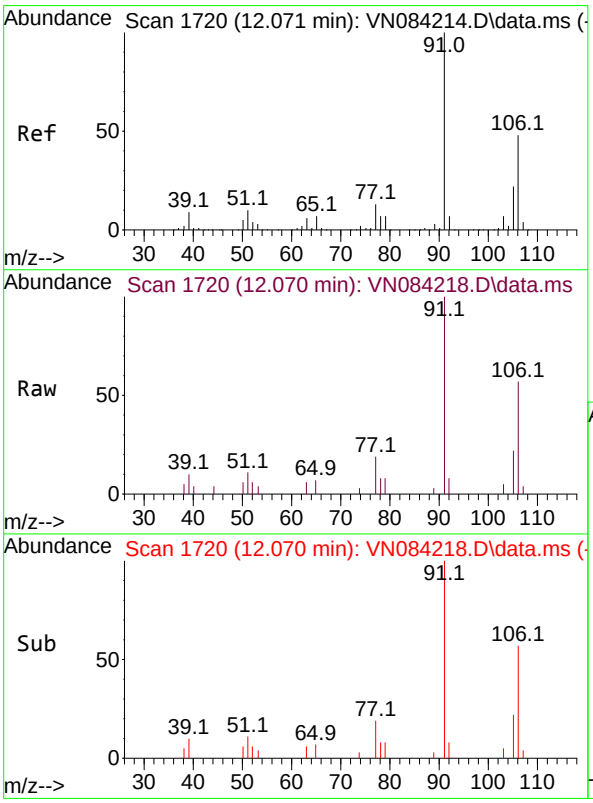
#67
Ethyl Benzene
Concen: 0.896 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8582

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.5	36.7#

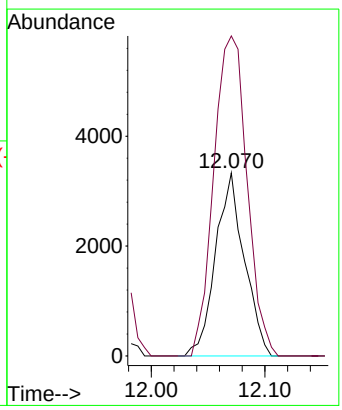


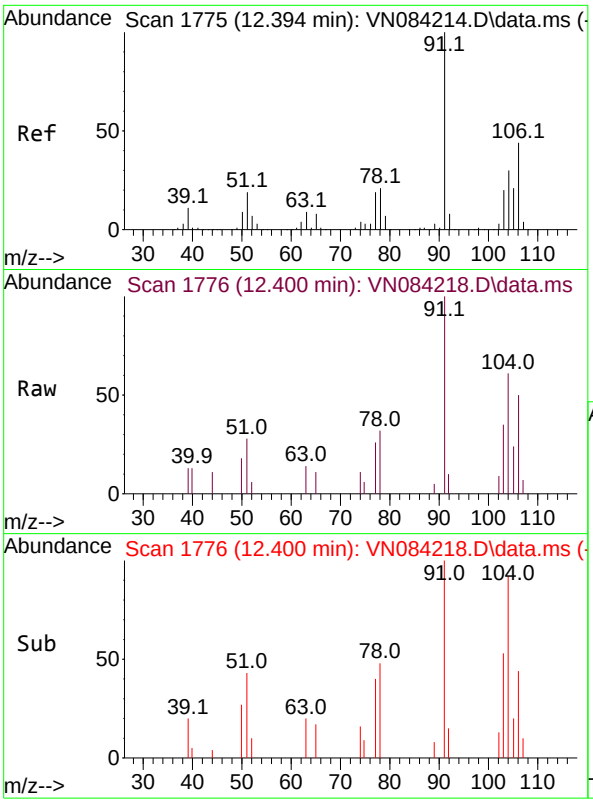


#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 5869

Ion	Ratio	Lower	Upper
106	100		
91	201.7	167.1	250.7



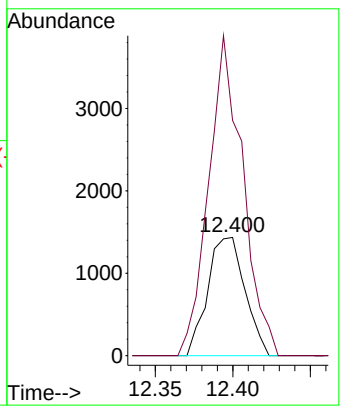


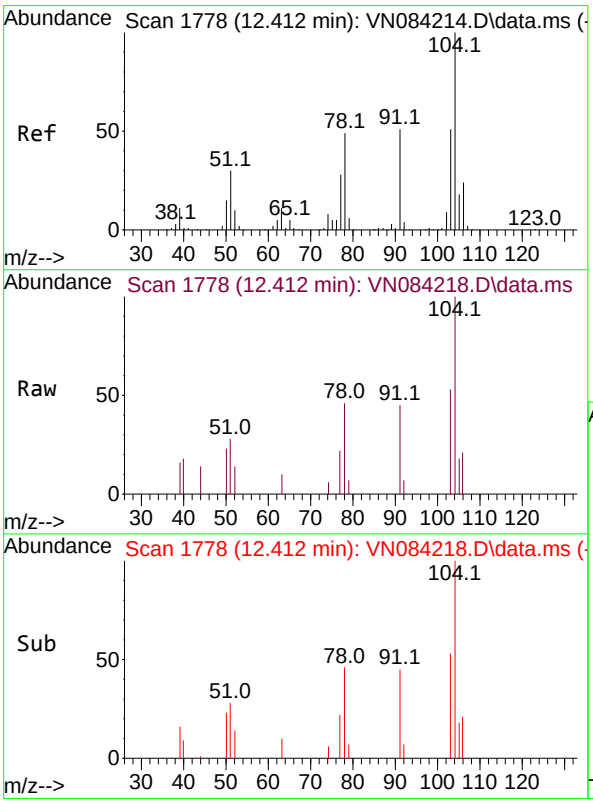
#69
o-Xylene
Concen: 0.715 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2398

Ion	Ratio	Lower	Upper
106	100		
91	248.5	110.2	330.6

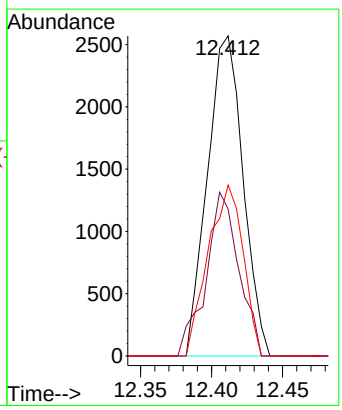


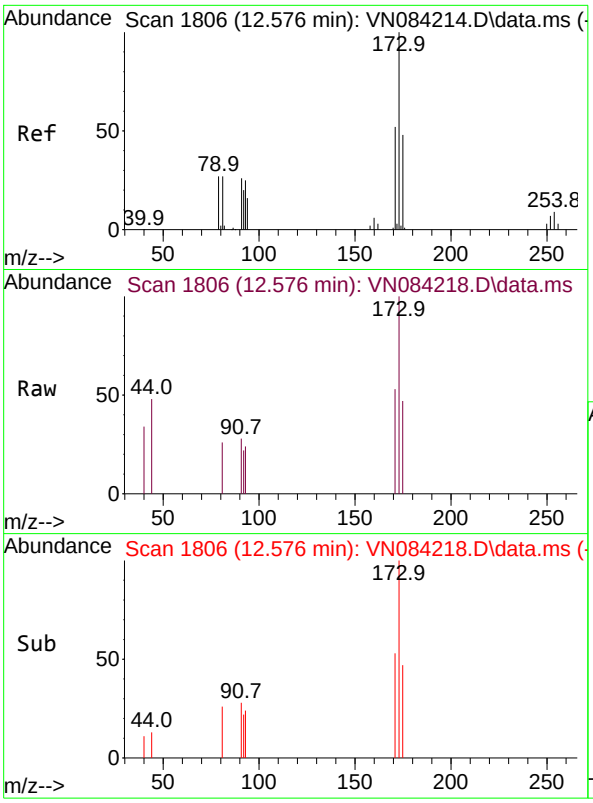


#70
Styrene
Concen: 0.790 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:104 Resp: 4489

Ion	Ratio	Lower	Upper
104	100		
78	47.1	42.7	64.1
103	52.2	43.6	65.4



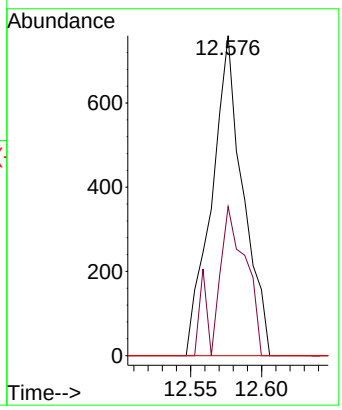


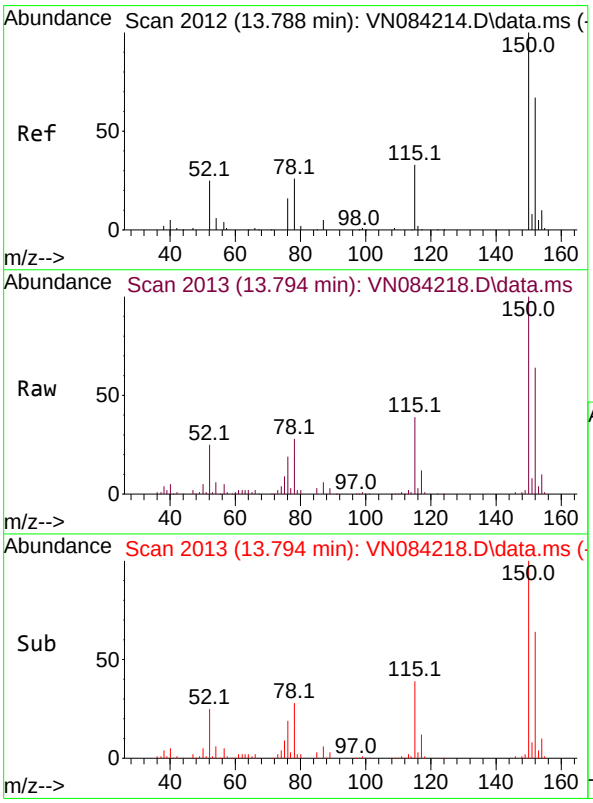
#71
Bromoform
Concen: 0.850 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1168

Ion	Ratio	Lower	Upper
173	100		
175	43.1	23.5	70.6
254	0.0	0.0	0.0

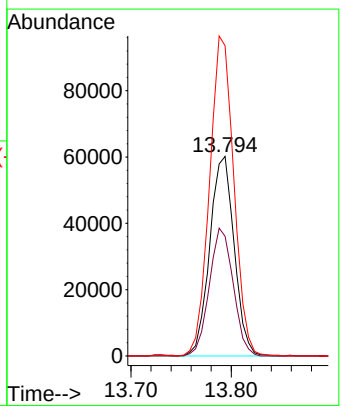


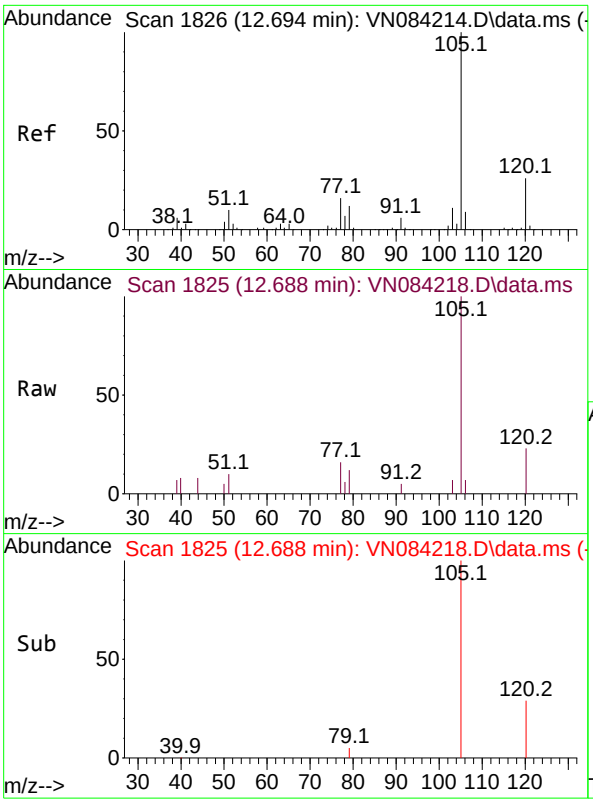


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:152 Resp: 101963

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	159.0	0.0	349.8



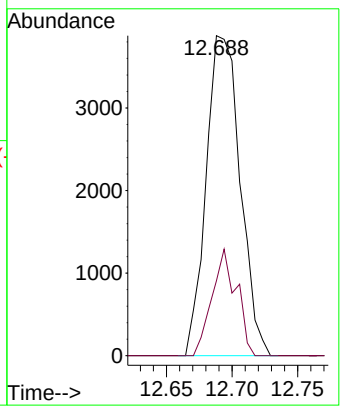


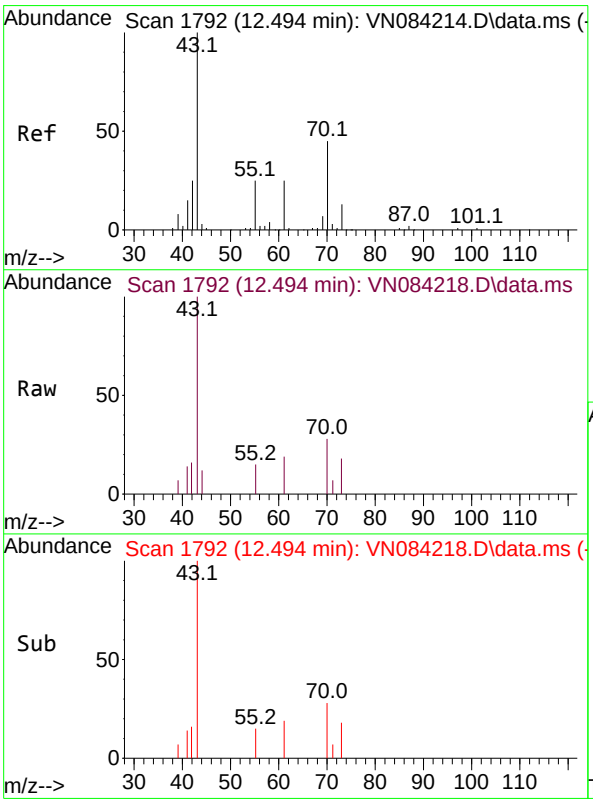
#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6991

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.7

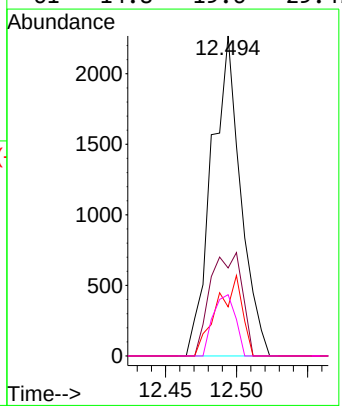


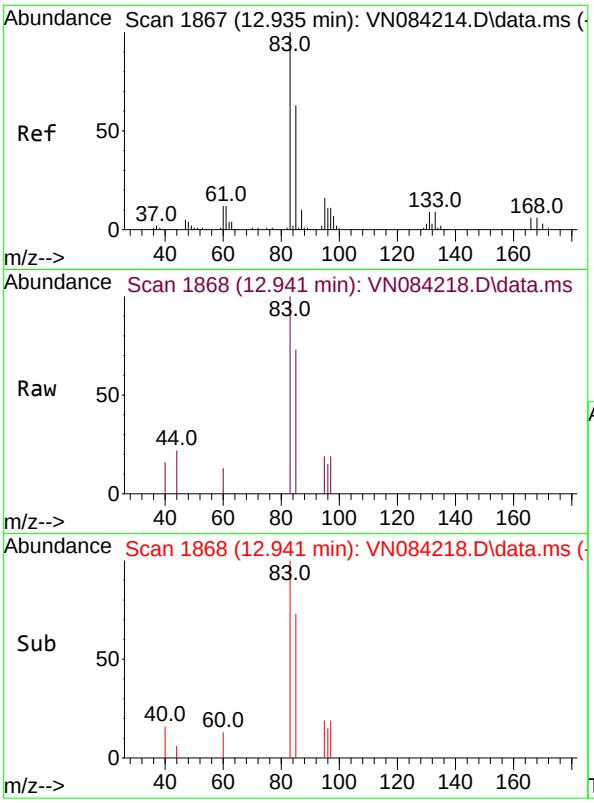


#74
N-amyl acetate
Concen: 0.916 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 3228

Ion	Ratio	Lower	Upper
43	100		
70	35.2	34.4	51.6
55	21.8	19.6	29.4
61	14.8	19.6	29.4#



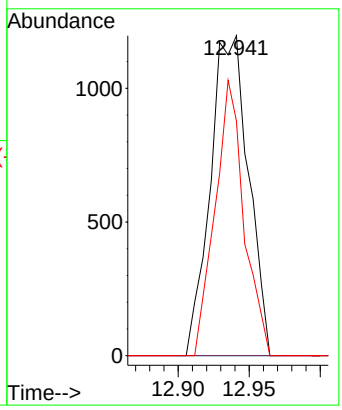


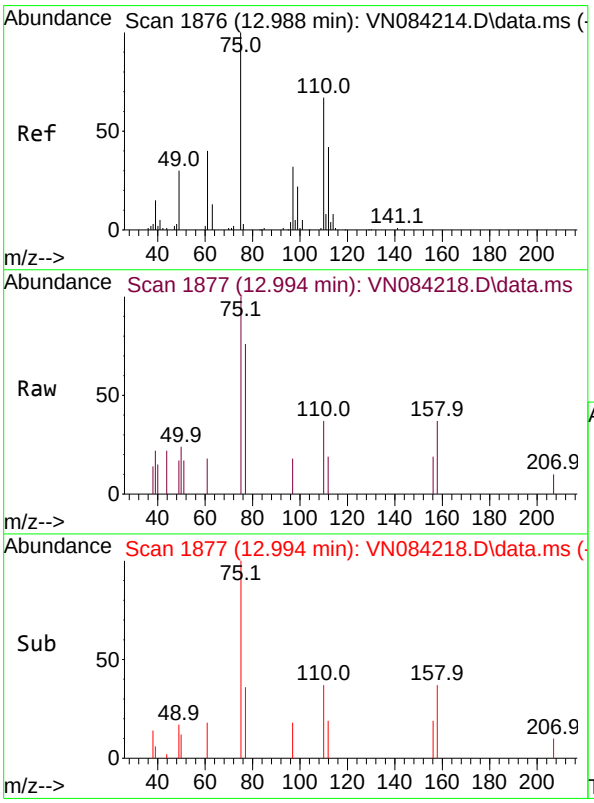
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2233

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	65.3	31.9	95.7

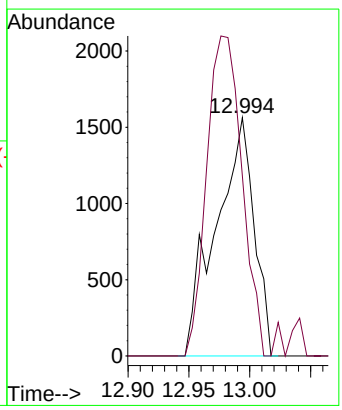


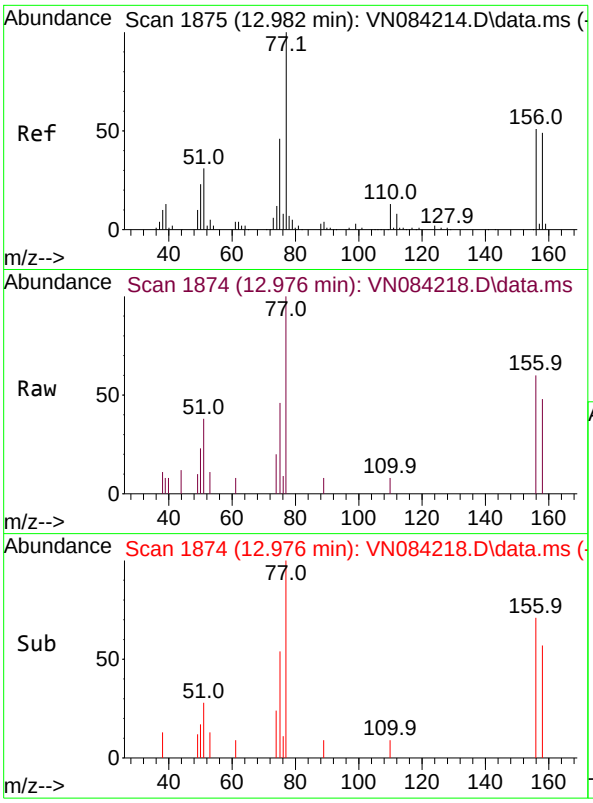


#76
1,2,3-Trichloropropane
Concen: 1.671 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 3395

Ion	Ratio	Lower	Upper
75	100		
77	124.4	96.9	290.7



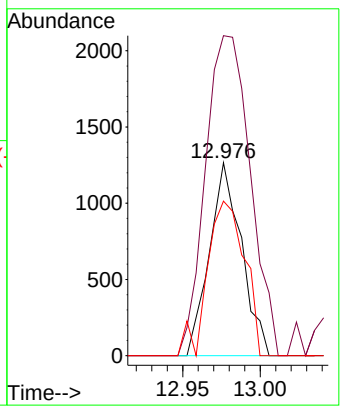


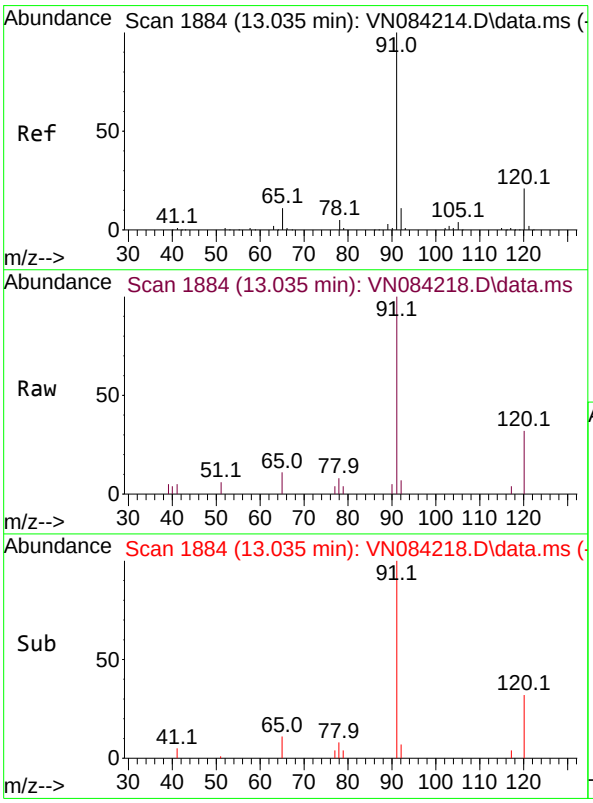
#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1818

Ion	Ratio	Lower	Upper
156	100		
77	232.3	115.1	345.3
158	92.7	48.9	146.8

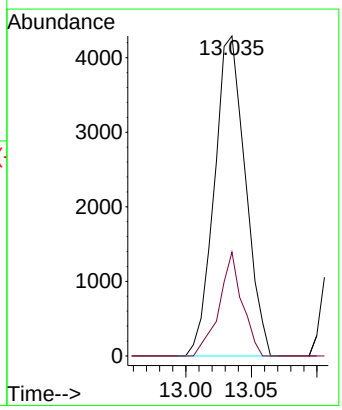


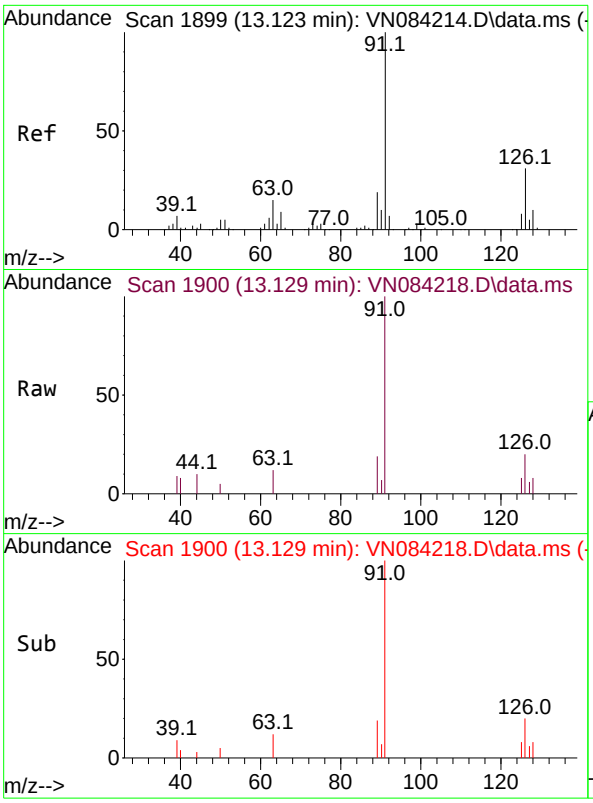


#78
n-propylbenzene
Concen: 0.781 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 7045

Ion	Ratio	Lower	Upper
91	100		
120	24.2	10.8	32.4



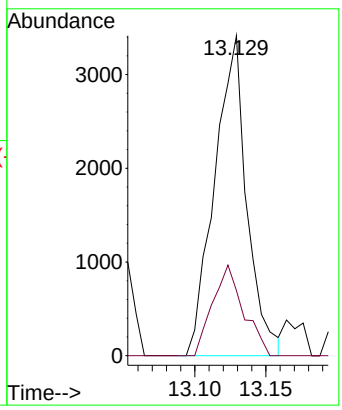


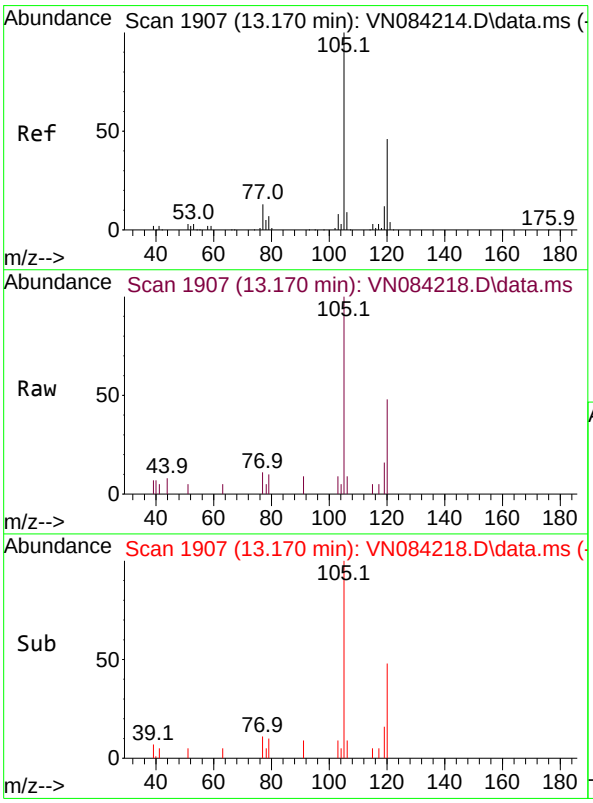
#79
2-Chlorotoluene
Concen: 0.936 ug/l
RT: 13.129 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5383

Ion	Ratio	Lower	Upper
91	100		
126	27.2	15.7	47.1

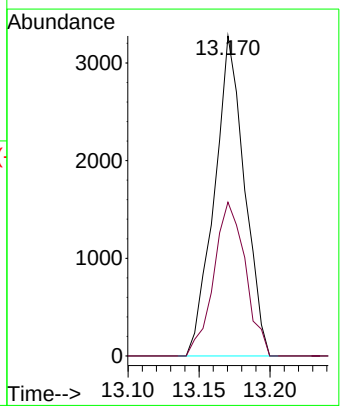


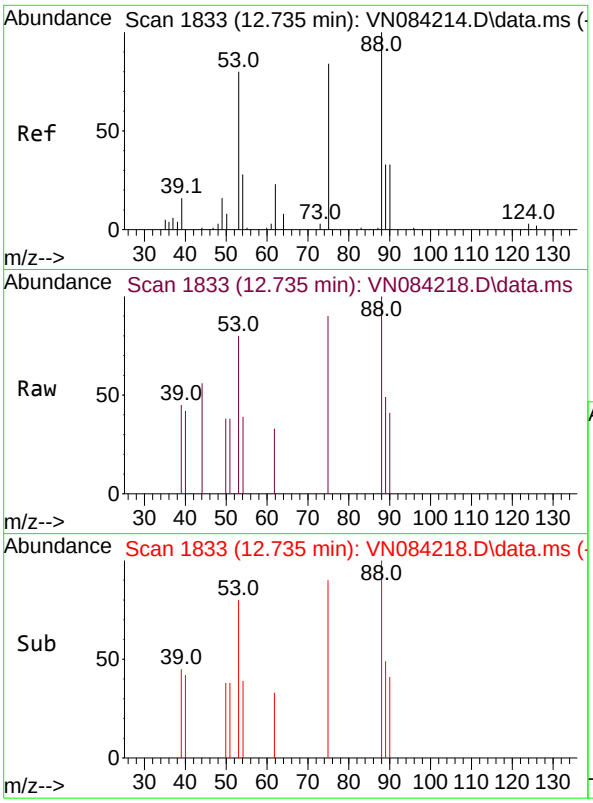


#80
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4830

Ion	Ratio	Lower	Upper
105	100		
120	50.6	23.7	71.1



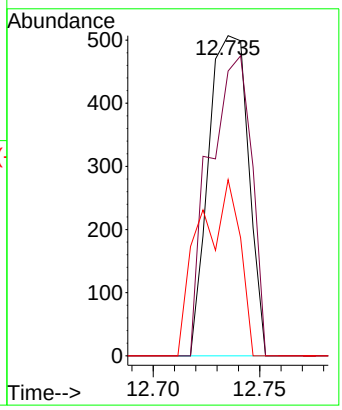


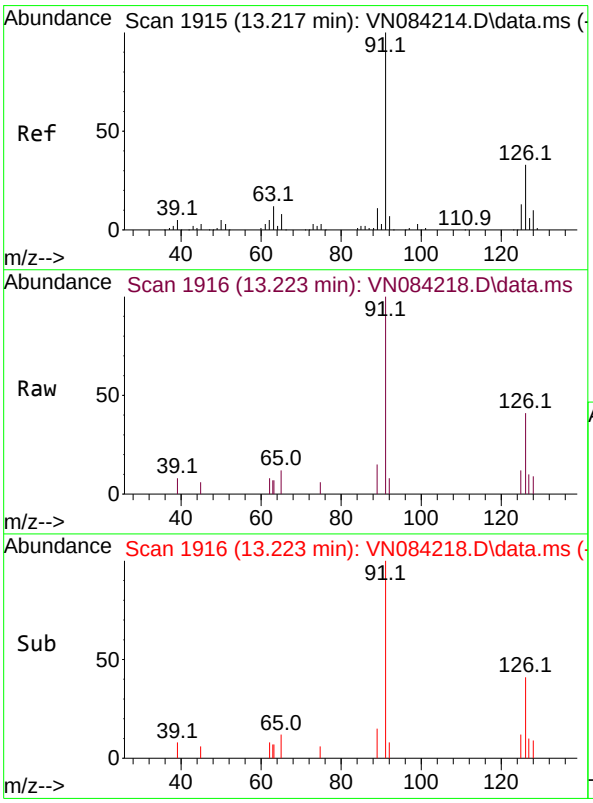
#81
trans-1,4-Dichloro-2-butene
Concen: 0.760 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 660

Ion	Ratio	Lower	Upper
75	100		
53	99.1	78.0	117.0
89	55.5	35.5	53.3#

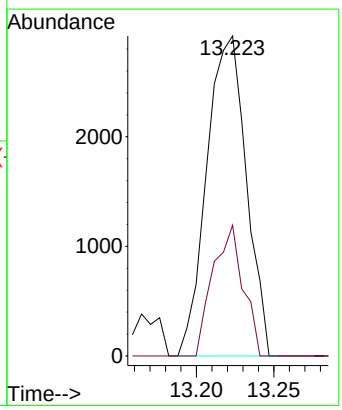


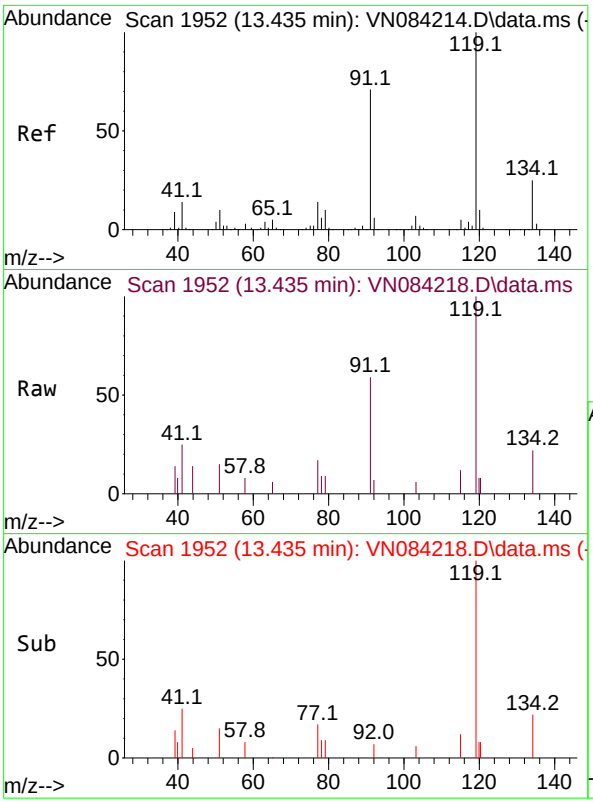


#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5174

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



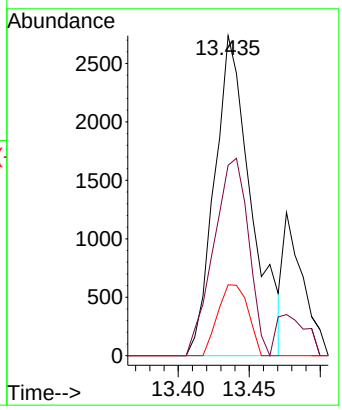


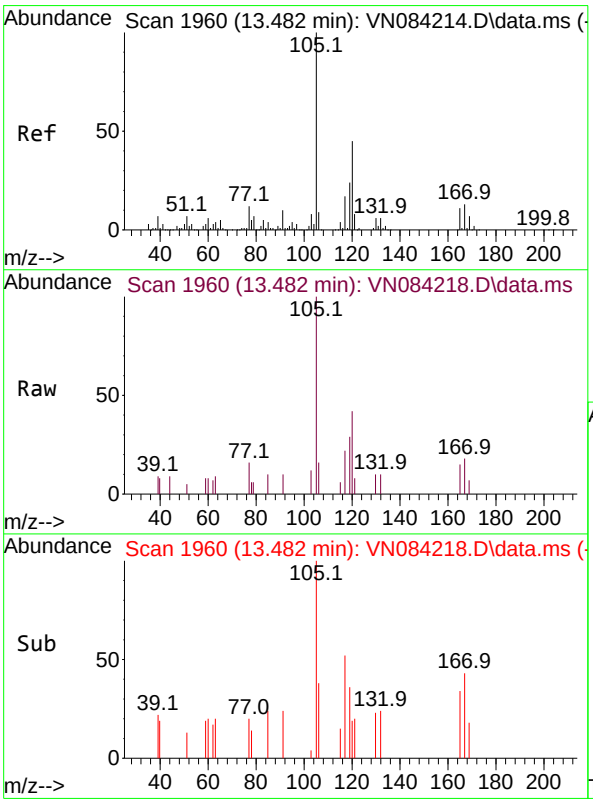
#83
tert-Butylbenzene
Concen: 0.870 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4909

Ion	Ratio	Lower	Upper
119	100		
91	59.0	34.1	102.3
134	18.3	12.8	38.4

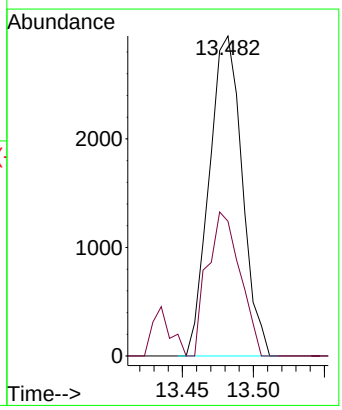


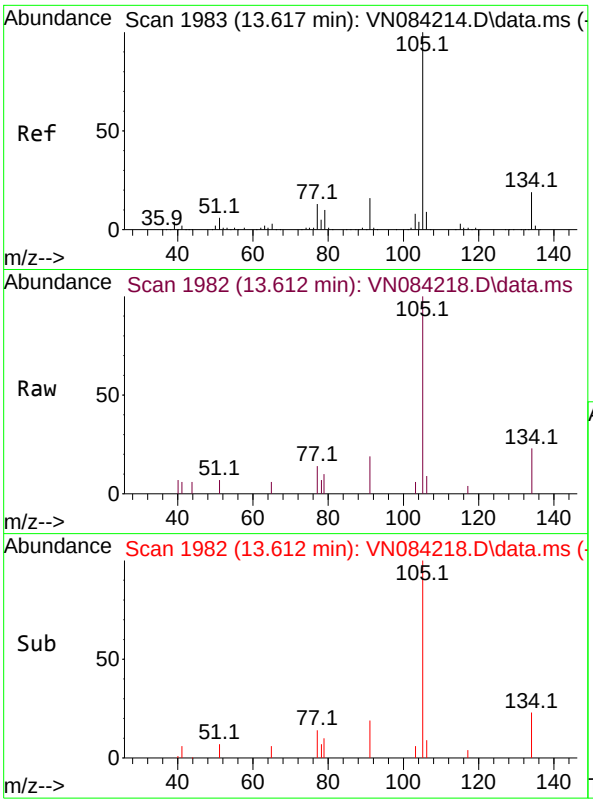


#84
1,2,4-Trimethylbenzene
Concen: 0.744 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4760

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8



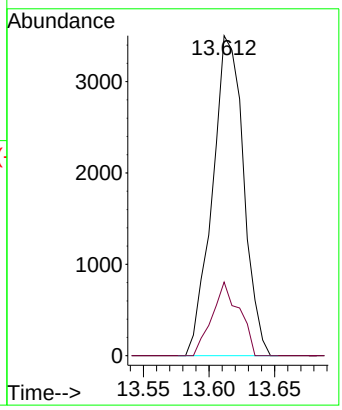


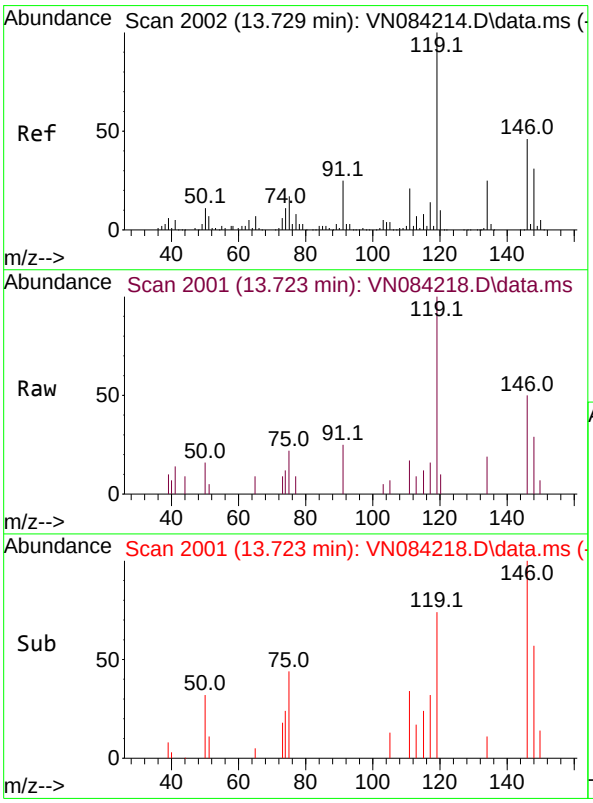
#85
sec-Butylbenzene
Concen: 0.770 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5795

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4

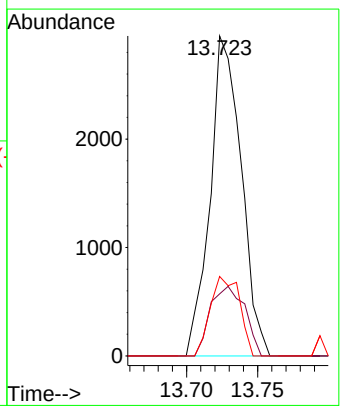


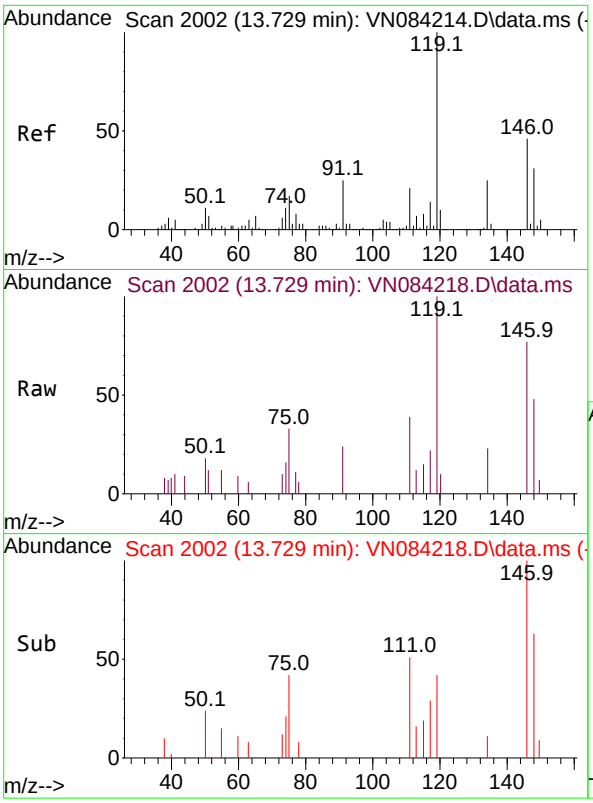


#86
p-Isopropyltoluene
Concen: 0.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:119 Resp: 4495

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	23.4	12.4	37.2



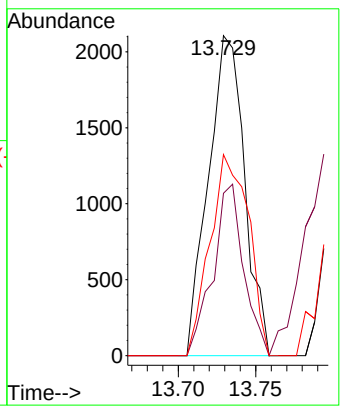


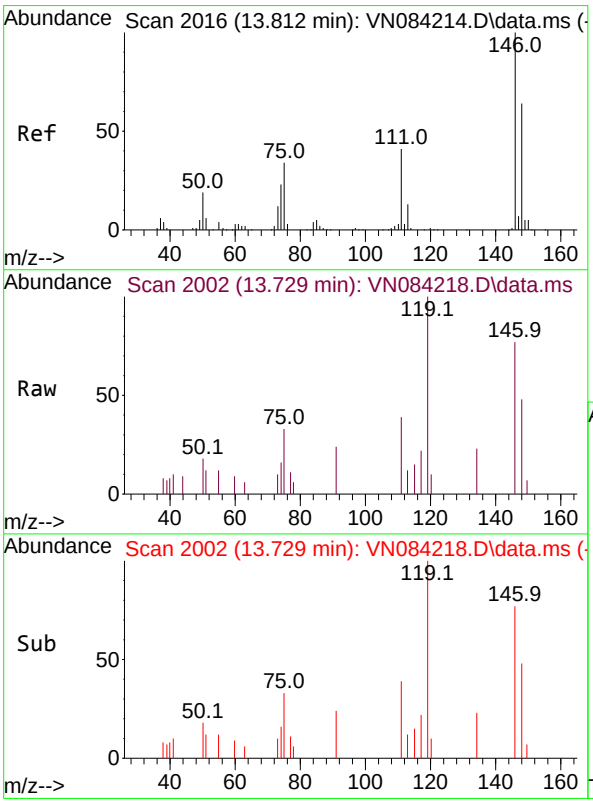
#87
1,3-Dichlorobenzene
Concen: 0.972 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3424

Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.8	65.3
148	67.0	31.9	95.7

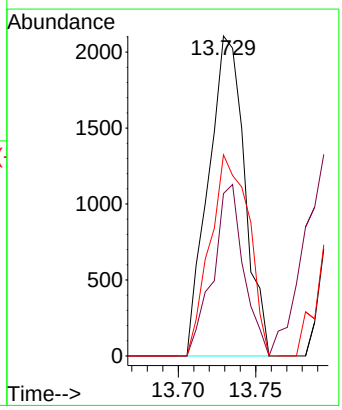


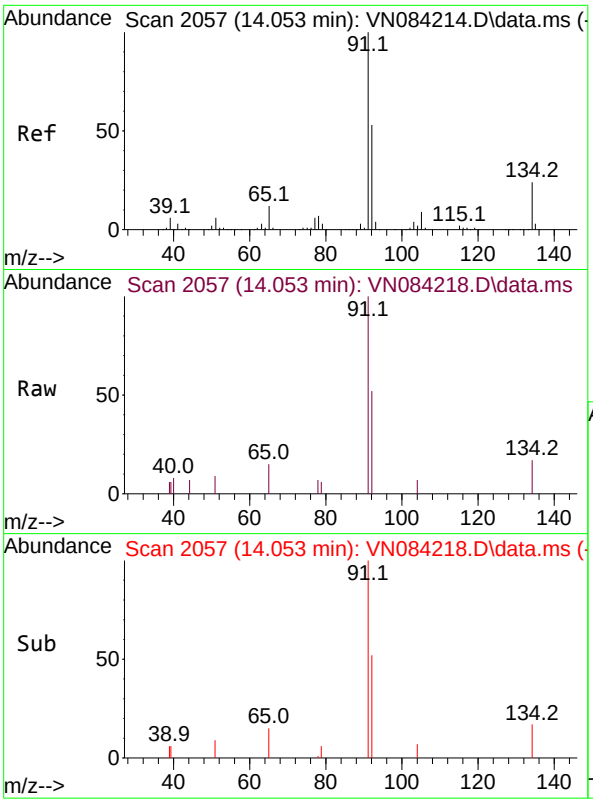


#88
1,4-Dichlorobenzene
Concen: 0.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.082 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3424

Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.2	63.6
148	67.0	31.9	95.9



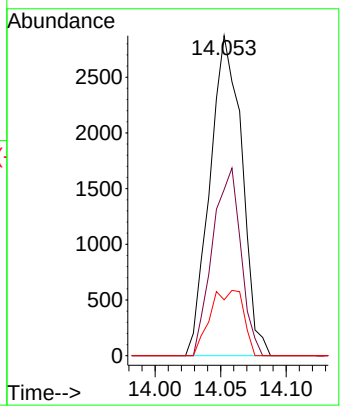


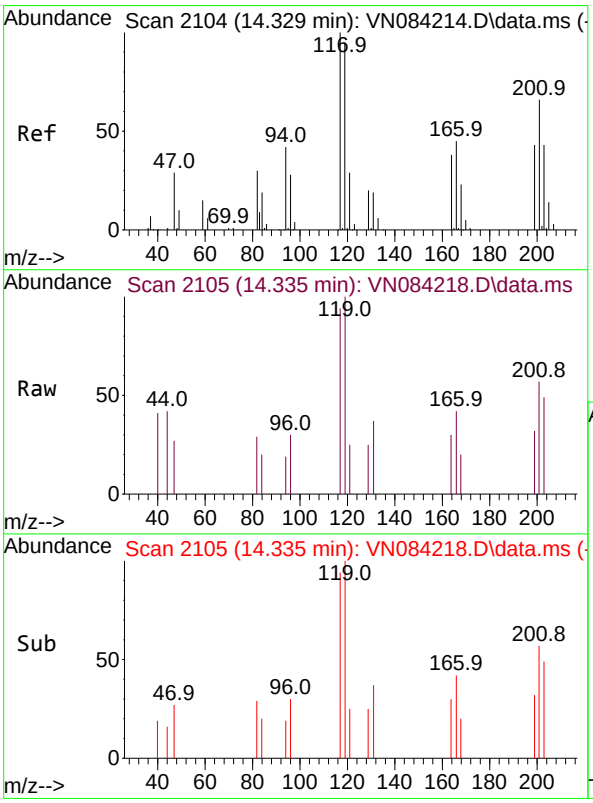
#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4866

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	21.4	12.3	36.9

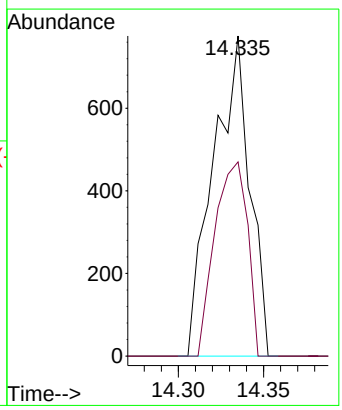


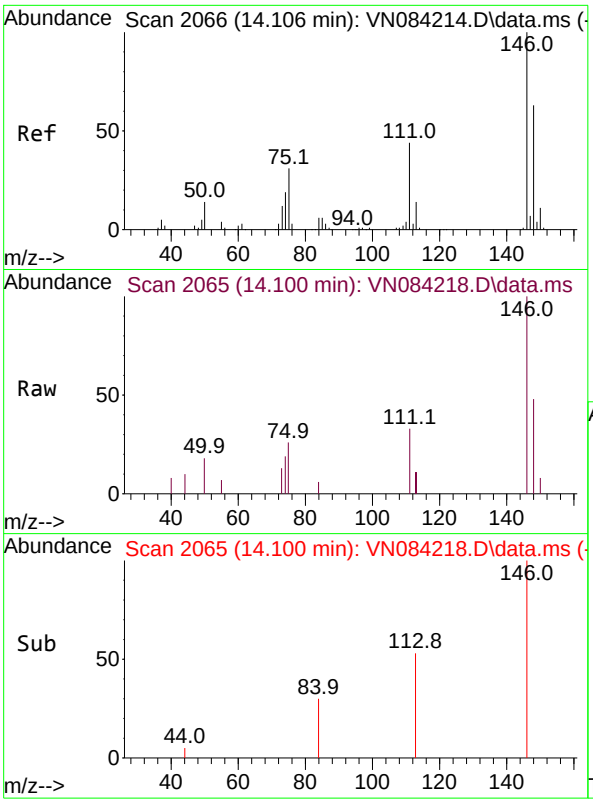


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 1151

Ion	Ratio	Lower	Upper
117	100		
201	54.3	34.4	103.2



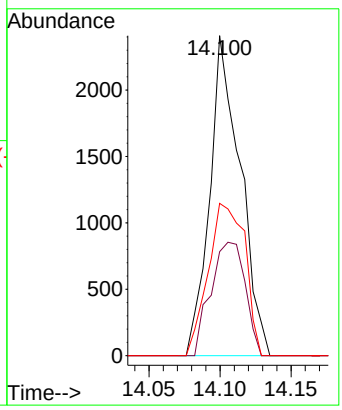


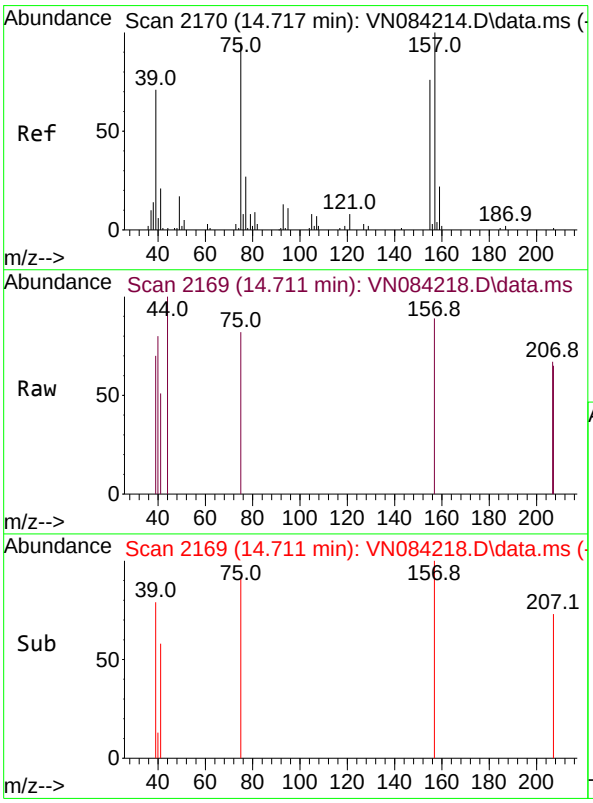
#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3610

Ion	Ratio	Lower	Upper
146	100		
111	39.9	22.0	66.0
148	57.1	32.1	96.3

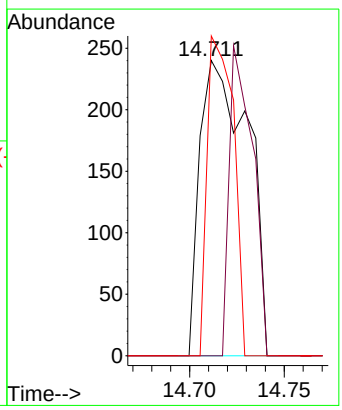


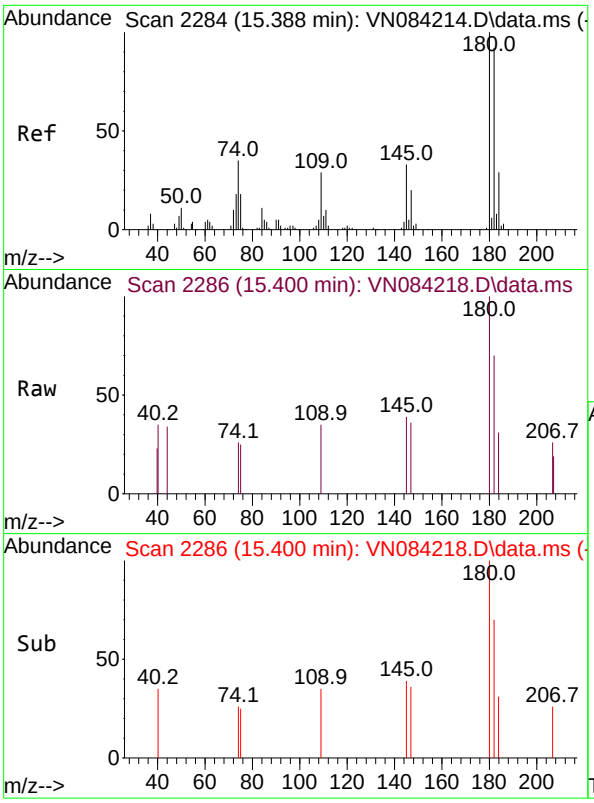


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.876 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 423

Ion	Ratio	Lower	Upper
75	100		
155	51.3	38.1	114.5
157	59.1	49.6	149.0



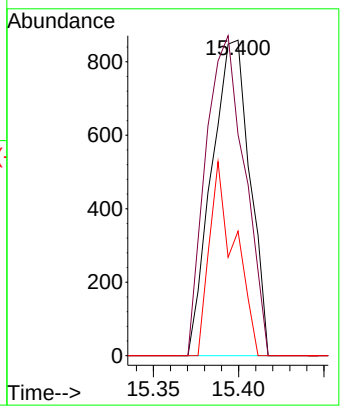


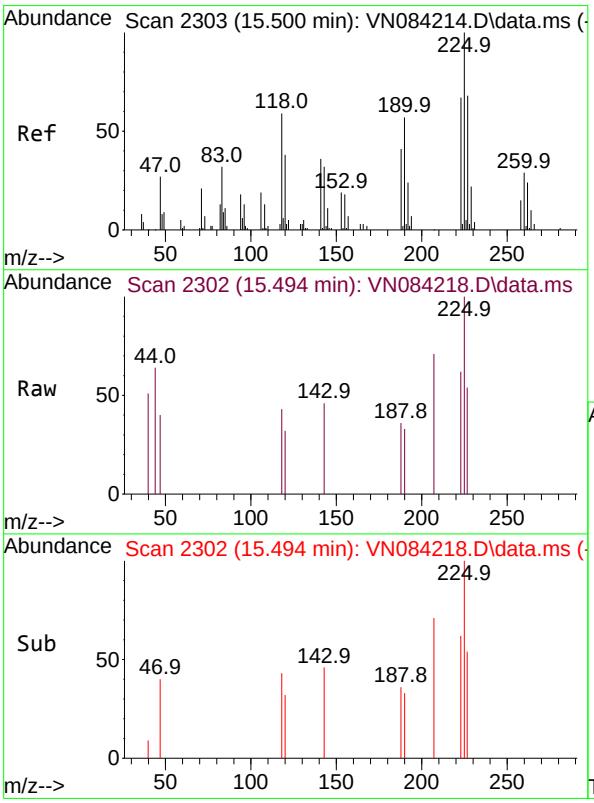
#93
1,2,4-Trichlorobenzene
Concen: 0.788 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1340

Ion	Ratio	Lower	Upper
180	100		
182	103.0	47.0	141.0
145	41.3	16.4	49.4

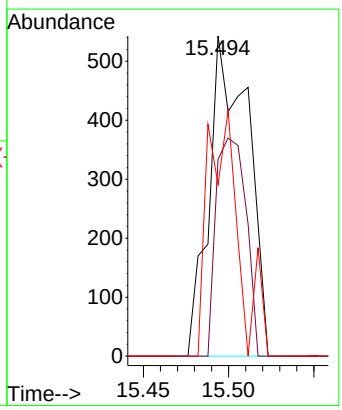


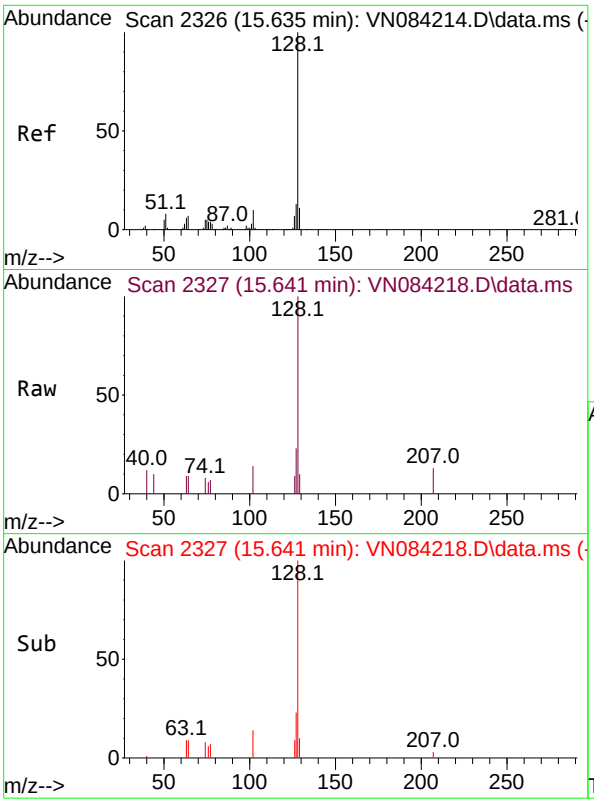


#94
Hexachlorobutadiene
Concen: 1.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:225 Resp: 861

Ion	Ratio	Lower	Upper
225	100		
223	52.7	32.4	97.2
227	60.7	32.4	97.0



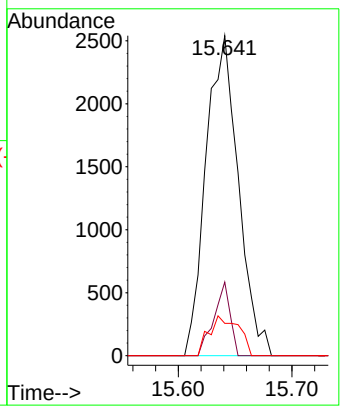


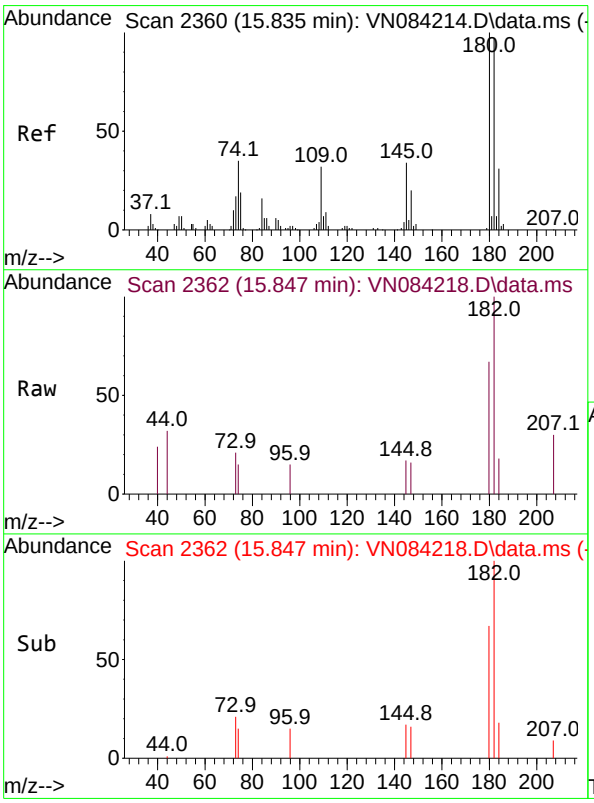
#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 5031

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.5	15.7
129	11.3	8.7	13.1

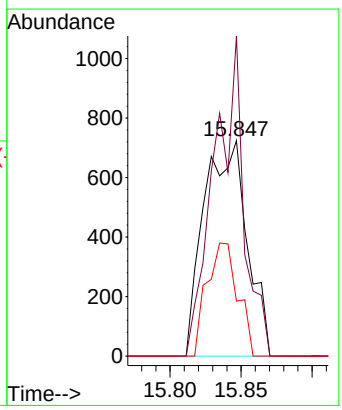




#96
1,2,3-Trichlorobenzene
Concen: 0.899 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:180 Resp: 1531

Ion	Ratio	Lower	Upper
180	100		
182	101.0	48.2	144.6
145	37.5	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130630	50.564	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.120%			
35) Dibromofluoromethane	8.165	113	100200	50.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.565	98	387775	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	140850	52.971	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	108641	52.712	ug/l	95
3) Chloromethane	2.359	50	121140	51.477	ug/l	97
4) Vinyl Chloride	2.512	62	116792	51.235	ug/l	99
5) Bromomethane	2.947	94	71654	47.656	ug/l	99
6) Chloroethane	3.118	64	73658	45.119	ug/l	94
7) Trichlorofluoromethane	3.495	101	188482	53.099	ug/l	98
8) Diethyl Ether	3.959	74	70360	53.445	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	104895	51.573	ug/l	99
10) Methyl Iodide	4.589	142	141430	53.996	ug/l	92
11) Tert butyl alcohol	5.524	59	109545	257.154	ug/l	99
12) 1,1-Dichloroethene	4.342	96	104103	53.064	ug/l	95
13) Acrolein	4.177	56	125971	257.587	ug/l	97
14) Allyl chloride	5.024	41	174077	51.092	ug/l	100
15) Acrylonitrile	5.718	53	293962	273.264	ug/l	99
16) Acetone	4.430	43	308020	277.547	ug/l	97
17) Carbon Disulfide	4.712	76	302450	48.693	ug/l	100
18) Methyl Acetate	5.024	43	130494	53.948	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	360019	54.371	ug/l	96
20) Methylene Chloride	5.277	84	117572	52.116	ug/l	89
21) trans-1,2-Dichloroethene	5.783	96	108894	52.980	ug/l	97
22) Diisopropyl ether	6.671	45	384647	54.579	ug/l	99
23) Vinyl Acetate	6.600	43	1492704	285.569	ug/l	99
24) 1,1-Dichloroethane	6.565	63	211544	53.676	ug/l	98
25) 2-Butanone	7.482	43	426860	282.397	ug/l	98
26) 2,2-Dichloropropane	7.488	77	189858	53.428	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	128843	51.876	ug/l	98
28) Bromochloromethane	7.818	49	84632	48.129	ug/l	97
29) Tetrahydrofuran	7.835	42	262996	281.940	ug/l	99
30) Chloroform	7.965	83	213634	52.184	ug/l	95
31) Cyclohexane	8.259	56	190602	49.809	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	196319	53.395	ug/l	99
36) 1,1-Dichloropropene	8.371	75	155365	53.917	ug/l	99
37) Ethyl Acetate	7.559	43	159764	54.043	ug/l	99
38) Carbon Tetrachloride	8.359	117	169403	53.593	ug/l	94
39) Methylcyclohexane	9.600	83	181676	56.648	ug/l	98
40) Benzene	8.606	78	478538	53.301	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89407	55.708	ug/l		98
42) 1,2-Dichloroethane	8.671	62	164758	54.131	ug/l		99
43) Isopropyl Acetate	8.688	43	278668	48.126	ug/l		100
44) Trichloroethene	9.353	130	109810	52.368	ug/l		100
45) 1,2-Dichloropropane	9.618	63	116161	54.694	ug/l		99
46) Dibromomethane	9.706	93	80284	56.015	ug/l		100
47) Bromodichloromethane	9.888	83	173015	54.335	ug/l		98
48) Methyl methacrylate	9.682	41	132287	57.391	ug/l		98
49) 1,4-Dioxane	9.694	88	47169	1111.545	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	808630	287.336	ug/l		100
52) Toluene	10.629	92	296651	54.185	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	183153	56.426	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	193475	55.416	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	108550	55.307	ug/l		98
56) Ethyl methacrylate	10.876	69	189121	58.561	ug/l		100
57) 1,3-Dichloropropane	11.165	76	191966	54.738	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	415454	277.315	ug/l		98
59) 2-Hexanone	11.194	43	621000	295.238	ug/l		100
60) Dibromochloromethane	11.359	129	127786	55.105	ug/l		99
61) 1,2-Dibromoethane	11.470	107	111244	54.548	ug/l		98
64) Tetrachloroethene	11.100	164	96460	52.585	ug/l		99
65) Chlorobenzene	11.888	112	312728	53.555	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	111388	55.381	ug/l		97
67) Ethyl Benzene	11.965	91	573790	55.563	ug/l		99
68) m/p-Xylenes	12.070	106	434515	113.748	ug/l		99
69) o-Xylene	12.400	106	209737	58.032	ug/l		99
70) Styrene	12.412	104	355892	58.136	ug/l		99
71) Bromoform	12.576	173	84787	57.258	ug/l	#	99
73) Isopropylbenzene	12.694	105	535240	53.604	ug/l		100
74) N-amyl acetate	12.494	43	249223	55.118	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	157322	52.398	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	213162	79.795	ug/l		58
77) Bromobenzene	12.976	156	124463	51.676	ug/l		98
78) n-propylbenzene	13.035	91	638464	55.188	ug/l		99
79) 2-Chlorotoluene	13.123	91	390502	52.898	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	456943	56.101	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	58987	52.939	ug/l		99
82) 4-Chlorotoluene	13.217	91	397246	53.455	ug/l		100
83) tert-Butylbenzene	13.435	119	390221	53.903	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	461123	56.199	ug/l		98
85) sec-Butylbenzene	13.617	105	536685	55.556	ug/l		99
86) p-Isopropyltoluene	13.729	119	452245	56.614	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	234190	51.830	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	234070	51.298	ug/l		99
89) n-Butylbenzene	14.053	91	396001	54.671	ug/l		100
90) Hexachloroethane	14.329	117	82363	50.795	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	226320	51.082	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32296	52.125	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	114157	52.311	ug/l		99
94) Hexachlorobutadiene	15.500	225	50461	46.368	ug/l		97
95) Naphthalene	15.641	128	380549	52.602	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	111086	50.853	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

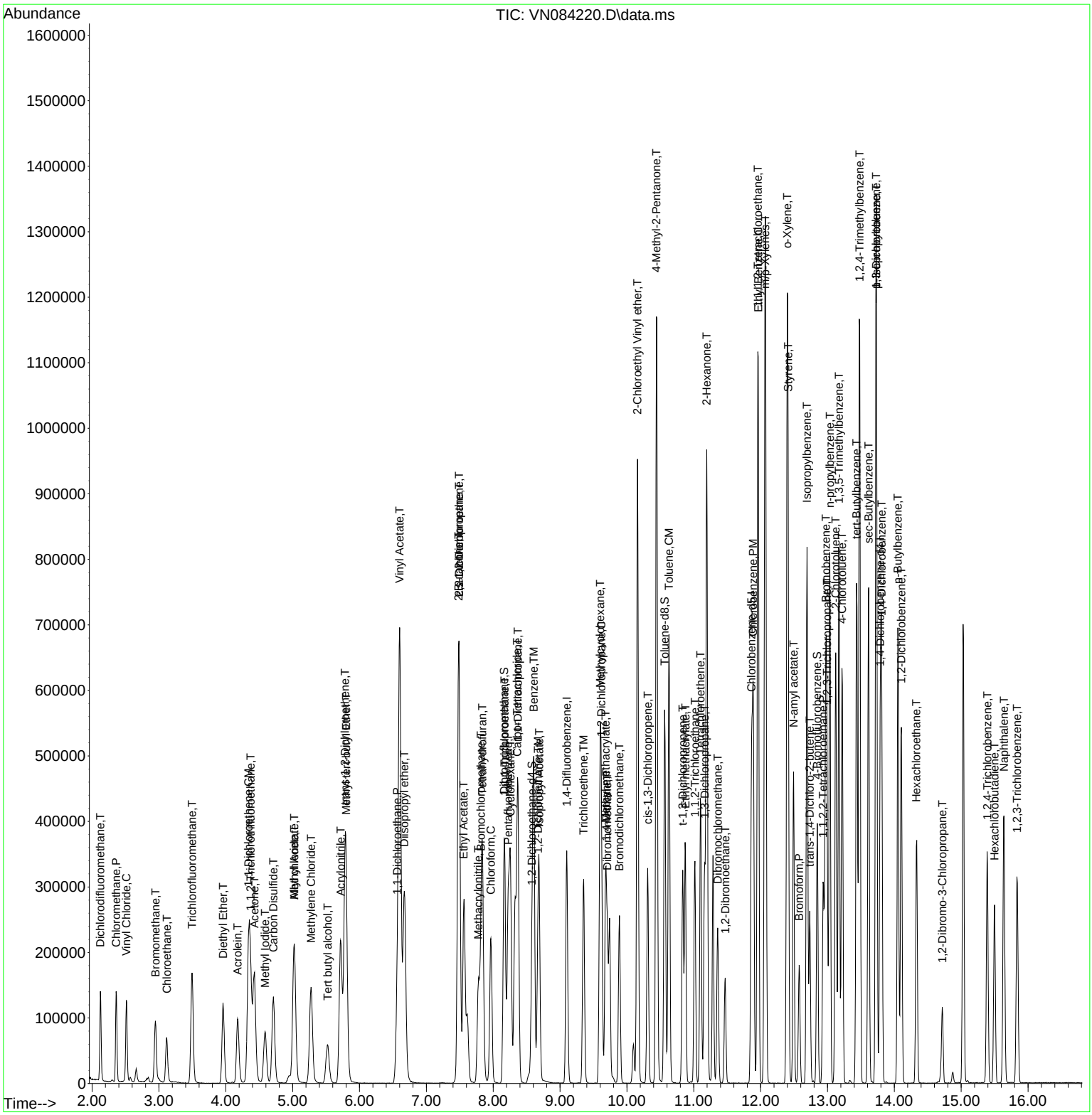
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

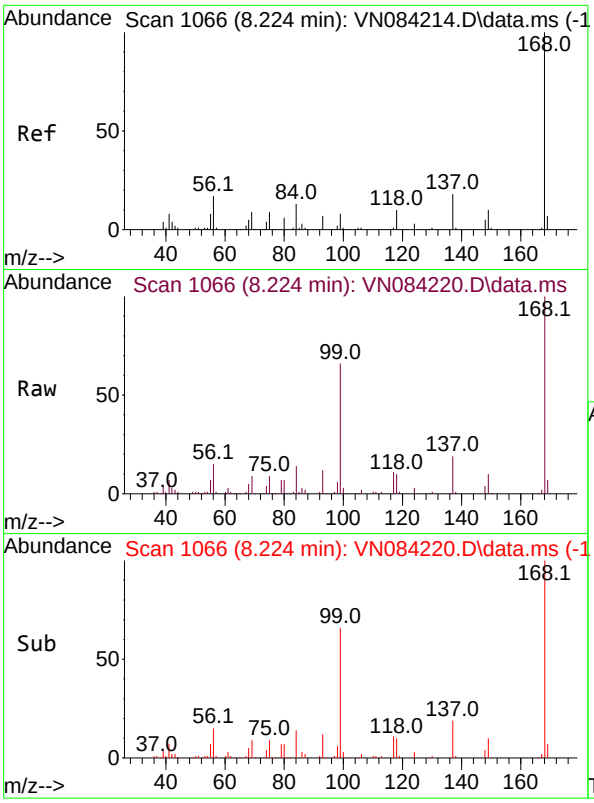
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



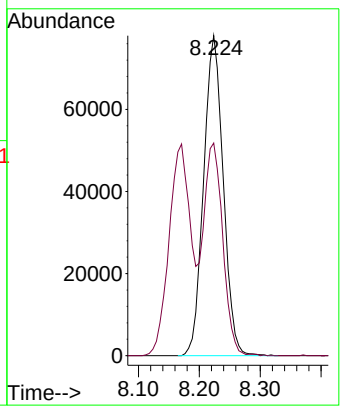


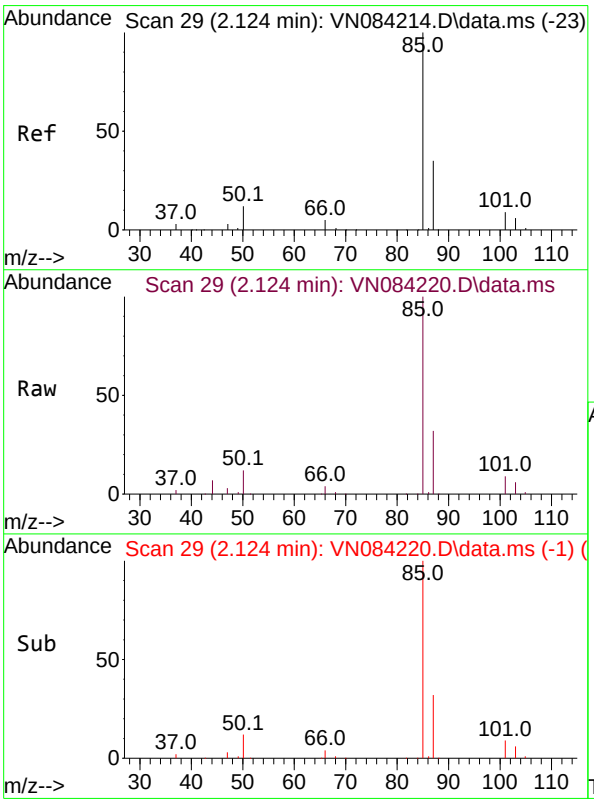
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:168 Resp: 174241

Ion	Ratio	Lower	Upper
168	100		
99	66.5	54.2	81.2

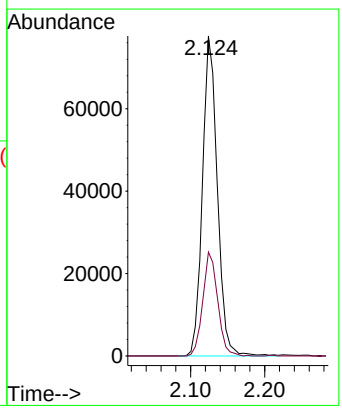


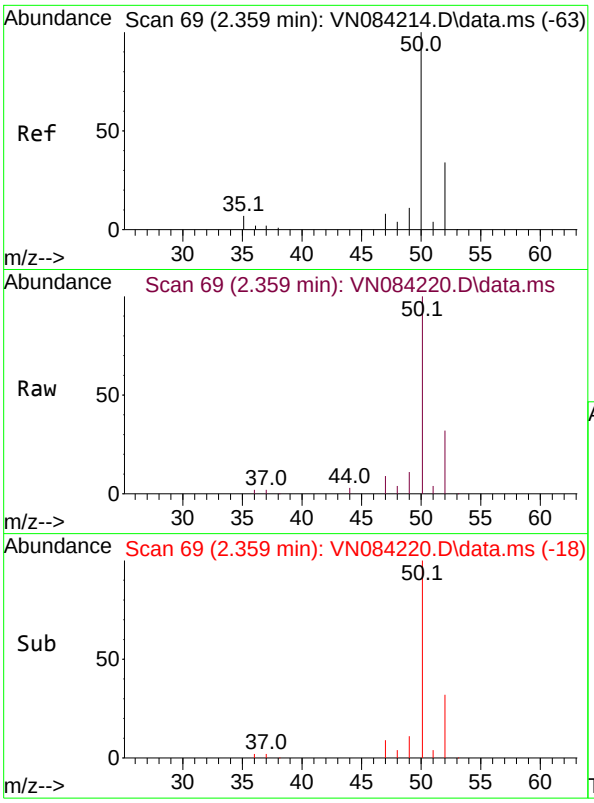


#2
Dichlorodifluoromethane
Concen: 52.712 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 85 Resp: 108641

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9



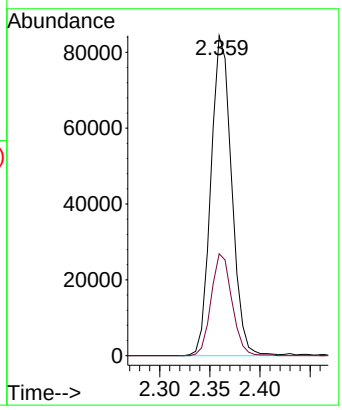


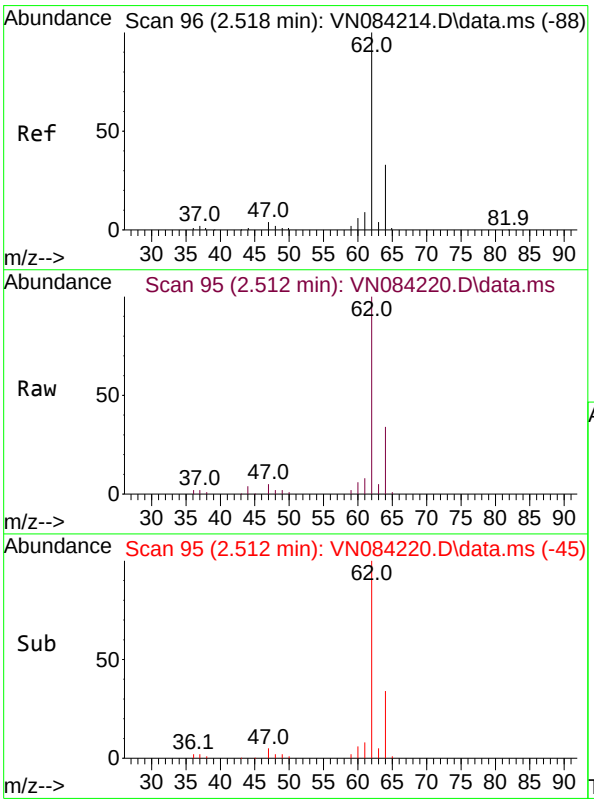
#3
Chloromethane
Concen: 51.477 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 50 Resp: 121140

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.8	40.2

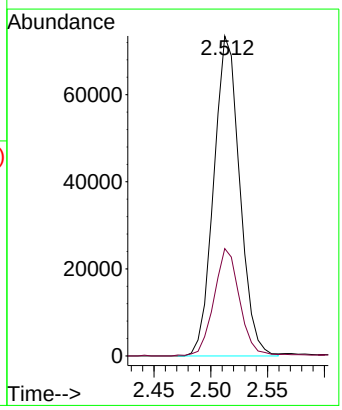


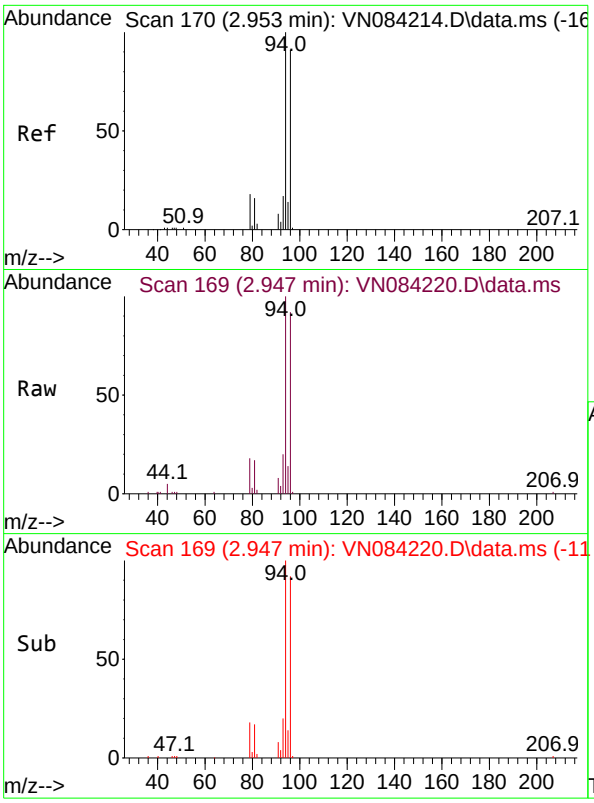


#4
Vinyl Chloride
Concen: 51.235 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 116792

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4



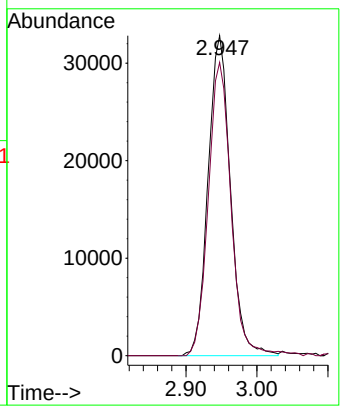


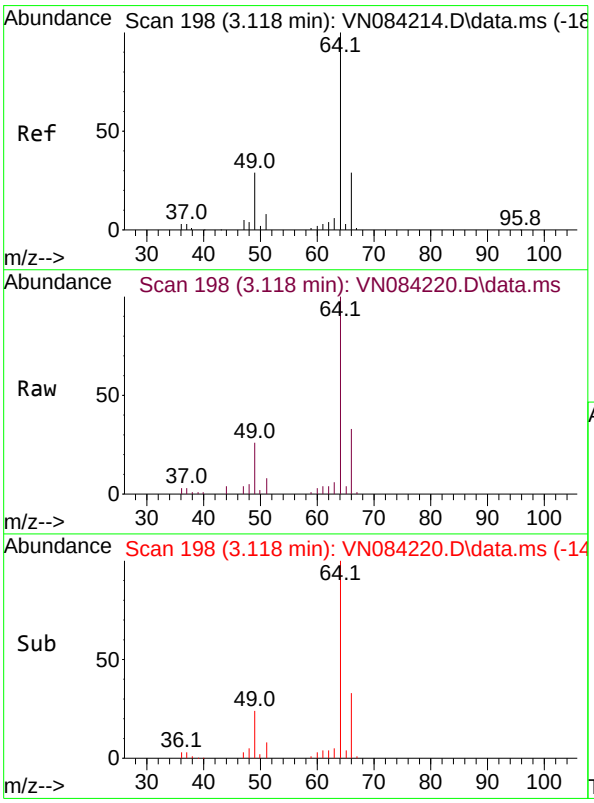
#5
Bromomethane
Concen: 47.656 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 94 Resp: 71654

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.9	109.3

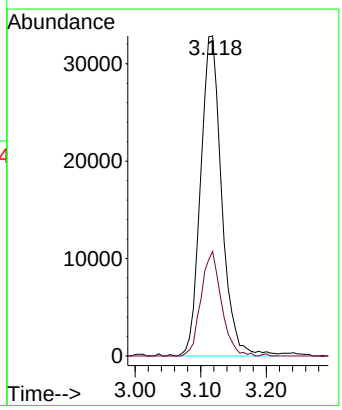


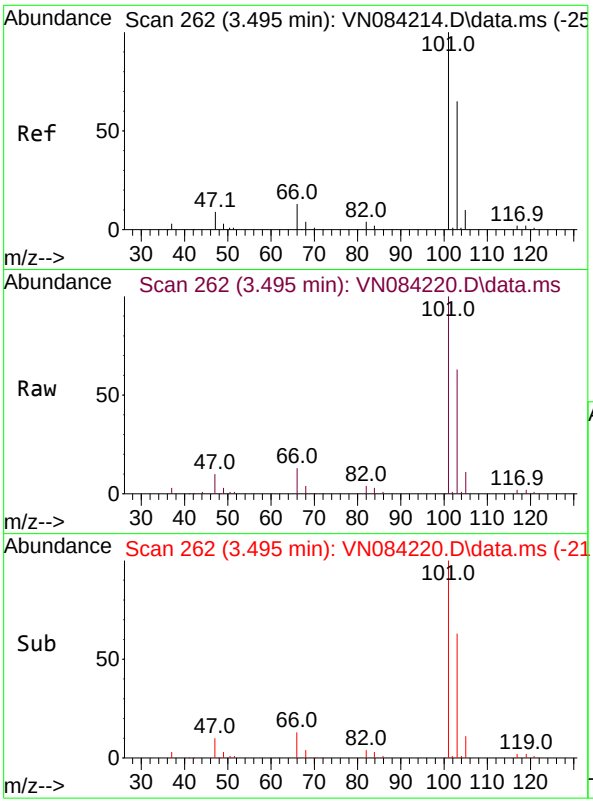


#6
Chloroethane
Concen: 45.119 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 64 Resp: 73658

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3



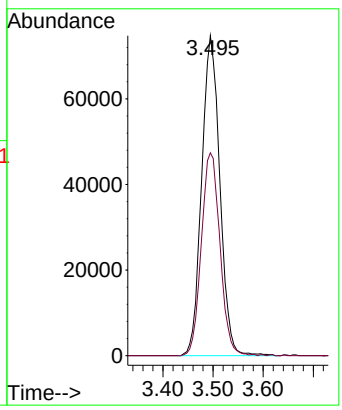


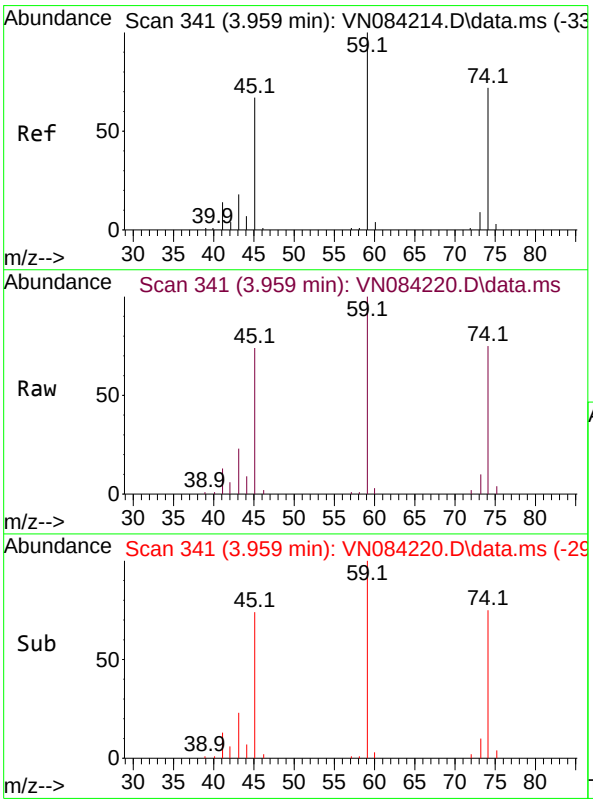
#7
Trichlorofluoromethane
Concen: 53.099 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:101 Resp: 188482

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

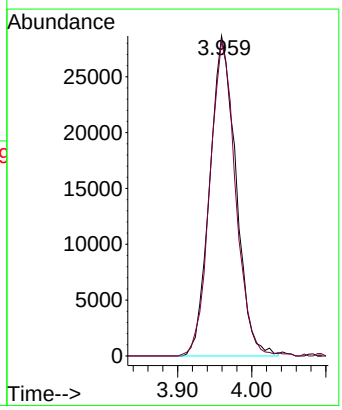


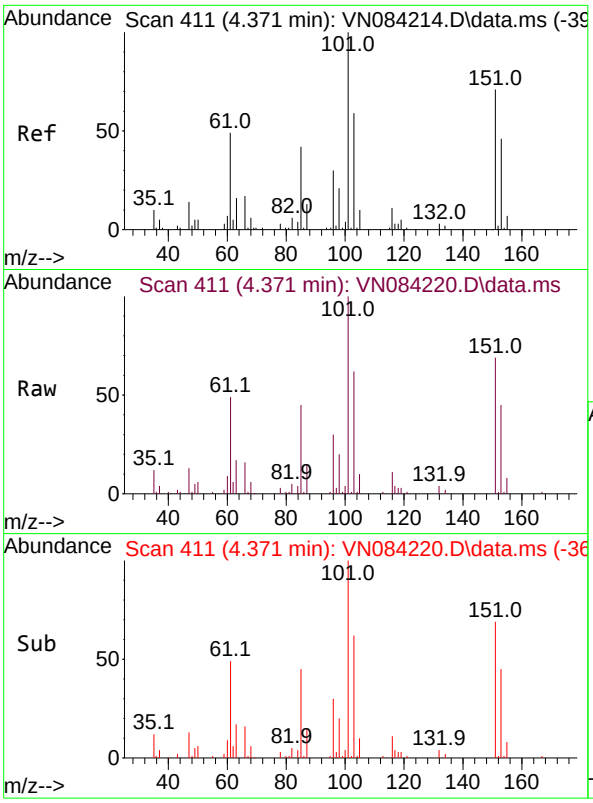


#8
Diethyl Ether
Concen: 53.445 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 74 Resp: 70360

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1



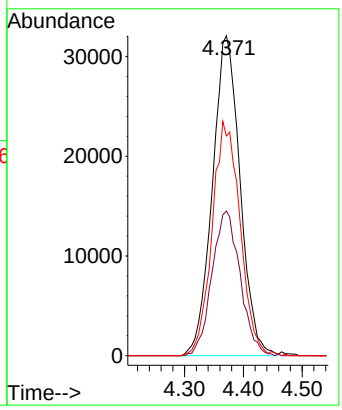


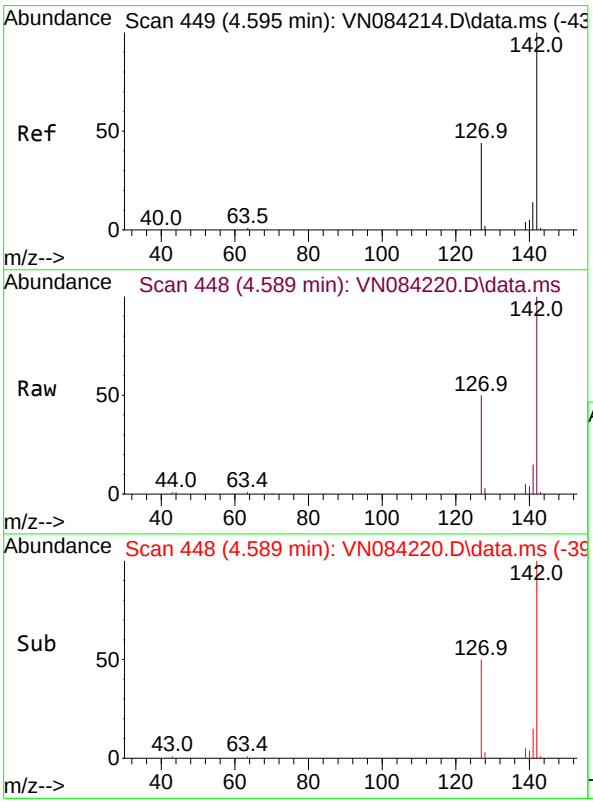
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.573 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:101 Resp: 104895

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	74.0	59.3	88.9

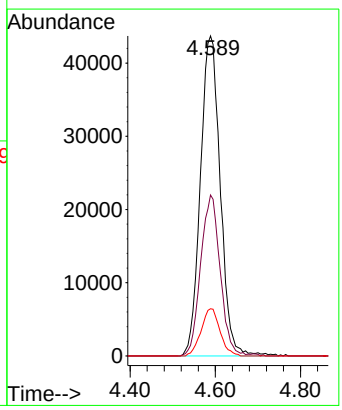


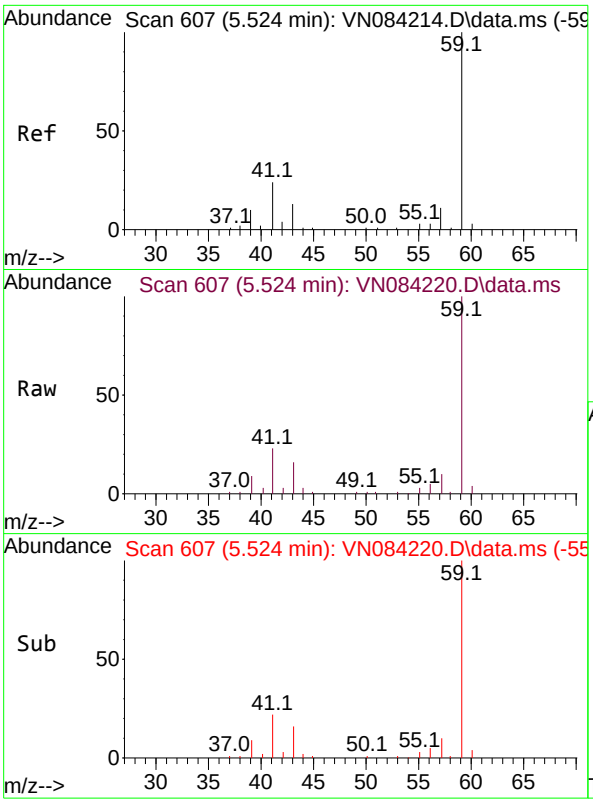


#10
Methyl Iodide
Concen: 53.996 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:142 Resp: 141430

Ion	Ratio	Lower	Upper
142	100		
127	50.3	35.3	52.9
141	14.7	11.0	16.6



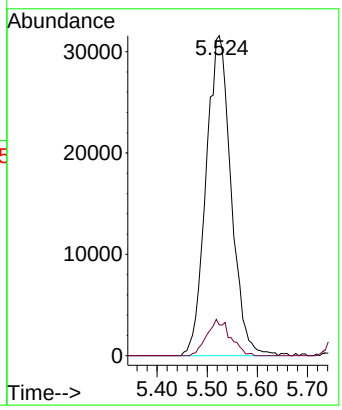


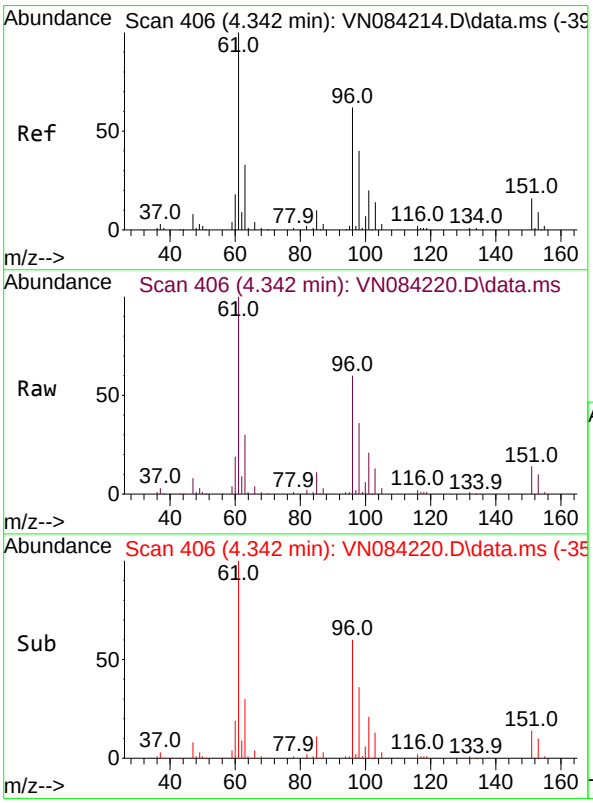
#11
Tert butyl alcohol
Concen: 257.154 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 59 Resp: 109545

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

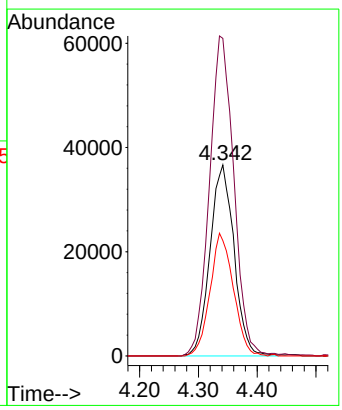


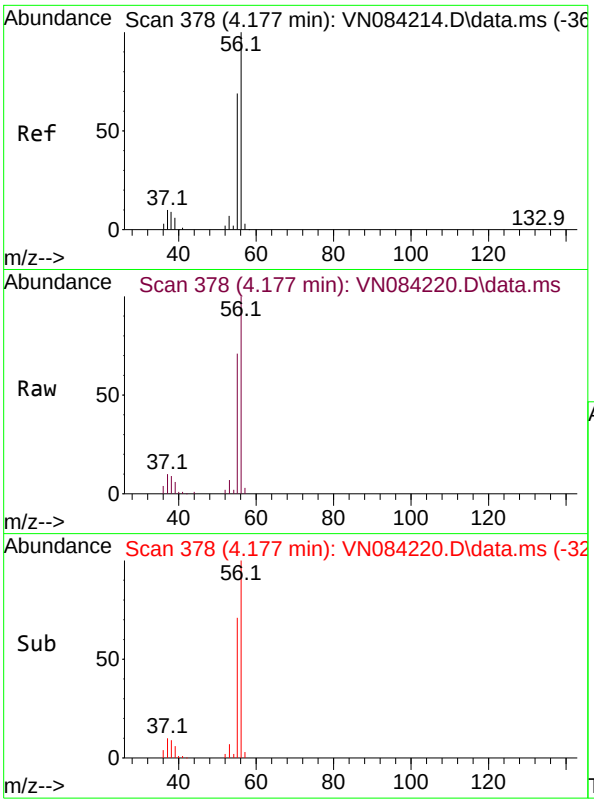


#12
1,1-Dichloroethene
Concen: 53.064 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 104103

Ion	Ratio	Lower	Upper
96	100		
61	166.3	128.6	192.8
98	60.4	51.7	77.5



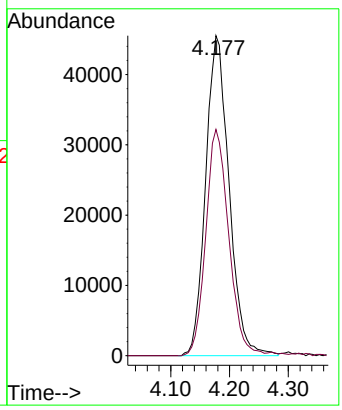


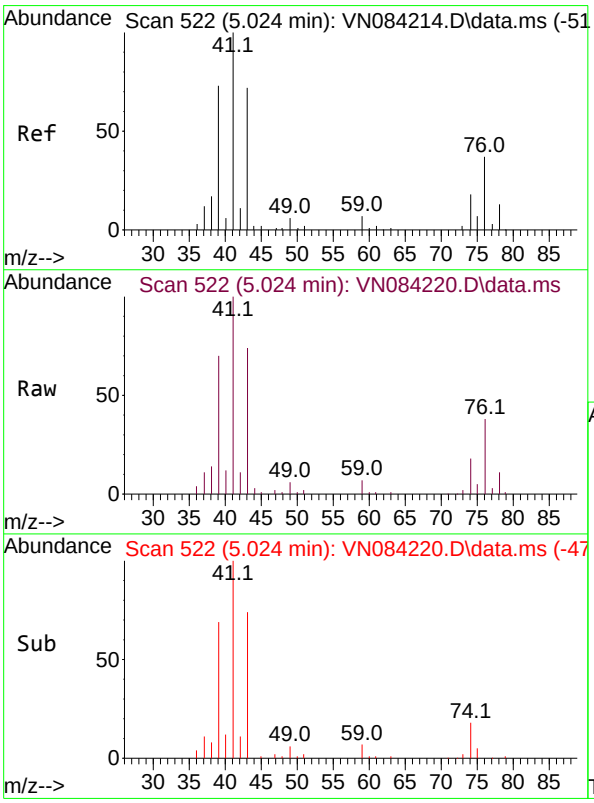
#13
Acrolein
Concen: 257.587 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 56 Resp: 125971

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

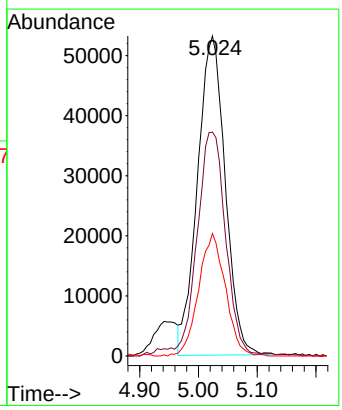


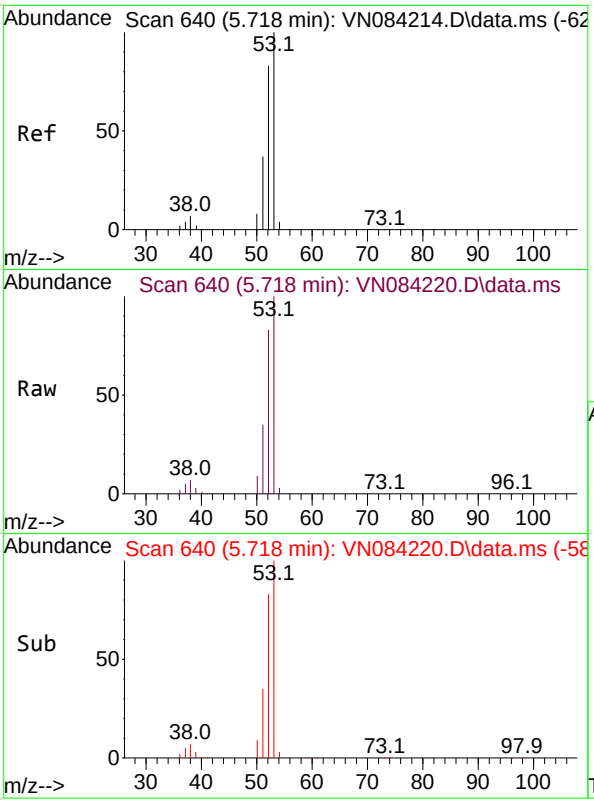


#14
Allyl chloride
Concen: 51.092 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 174077

Ion	Ratio	Lower	Upper
41	100		
39	73.7	59.0	88.6
76	37.1	29.8	44.6



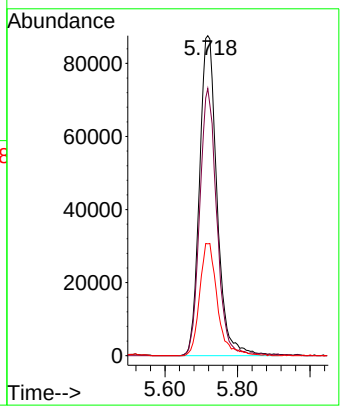


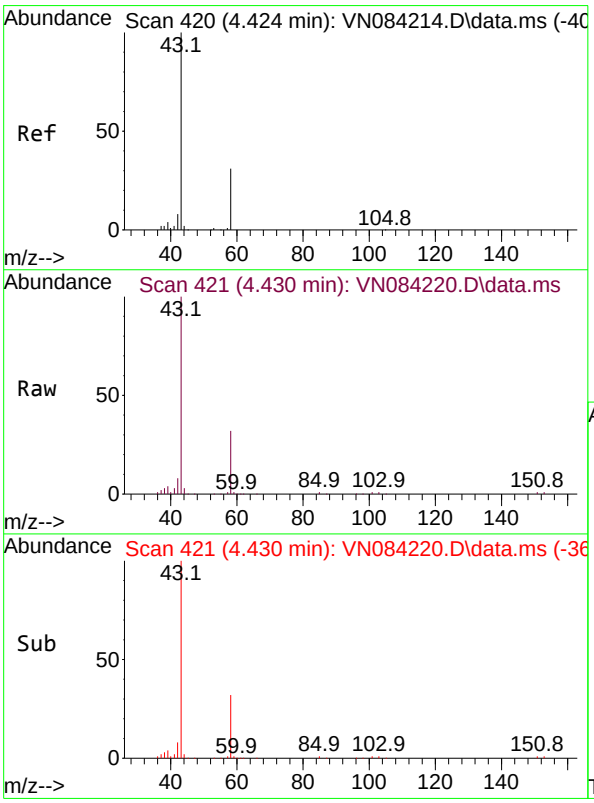
#15
Acrylonitrile
Concen: 273.264 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 53 Resp: 293962

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.4
51	35.7	28.8	43.2

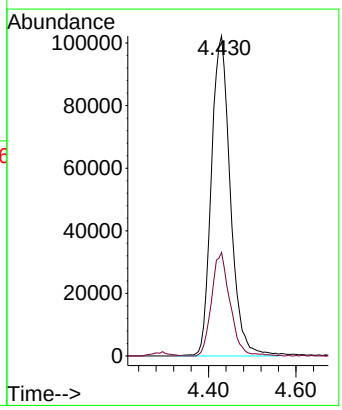


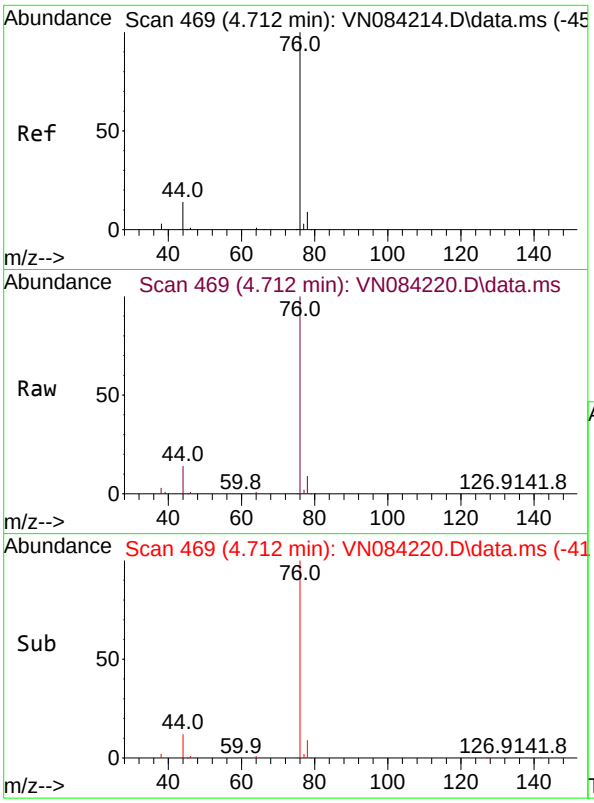


#16
Acetone
Concen: 277.547 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 308020

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6



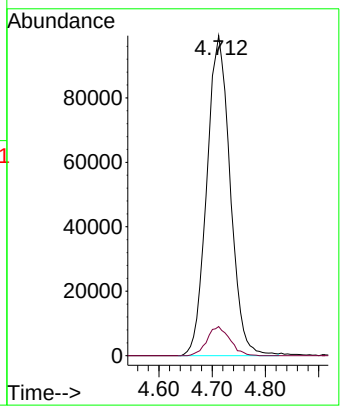


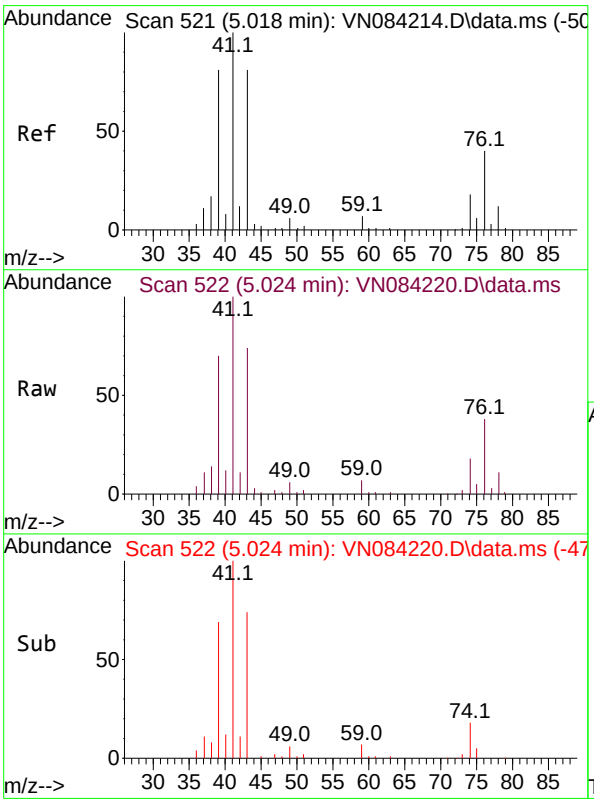
#17
Carbon Disulfide
Concen: 48.693 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 76 Resp: 302450

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

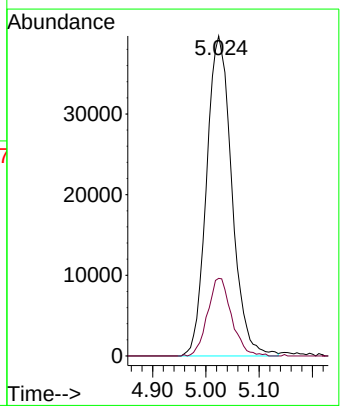


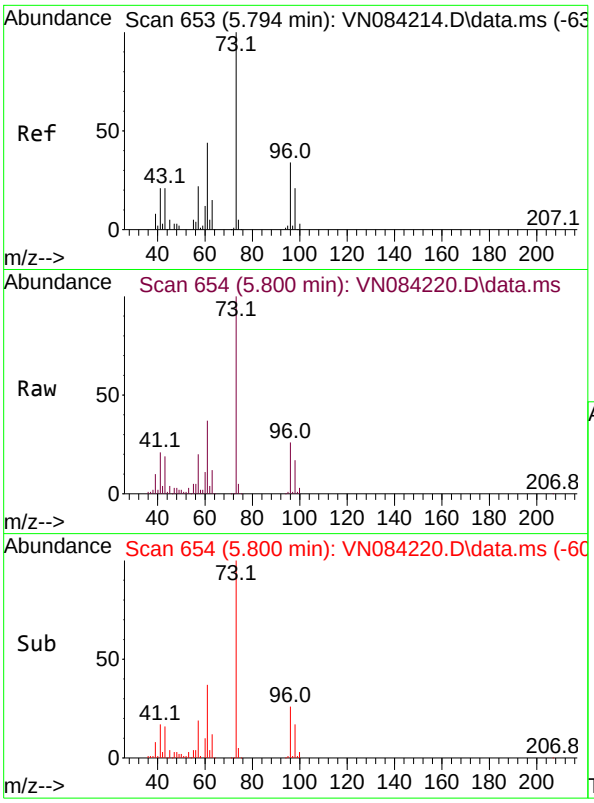


#18
Methyl Acetate
Concen: 53.948 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 130494

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8



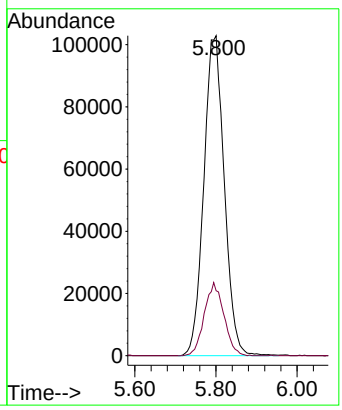


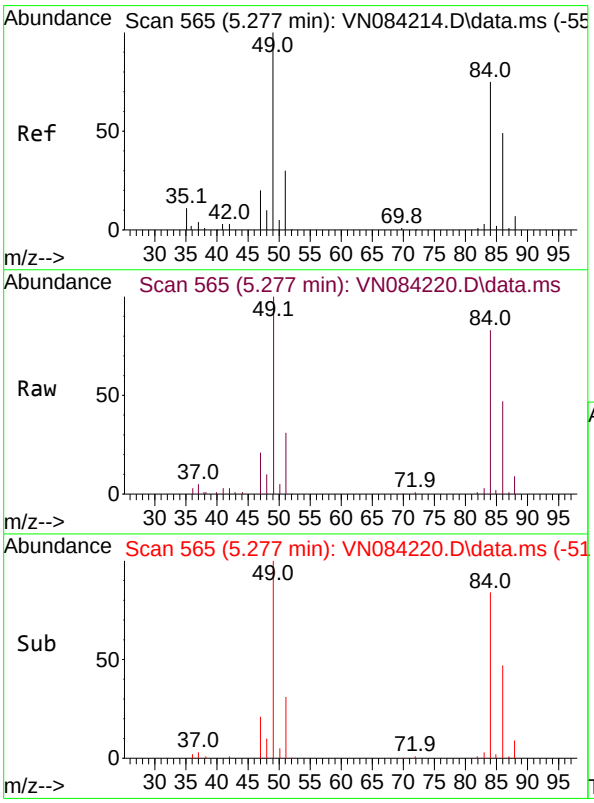
#19
Methyl tert-butyl Ether
Concen: 54.371 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 73 Resp: 360019

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

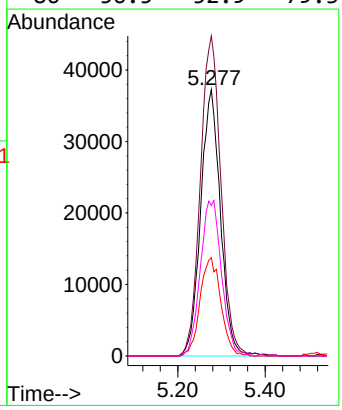


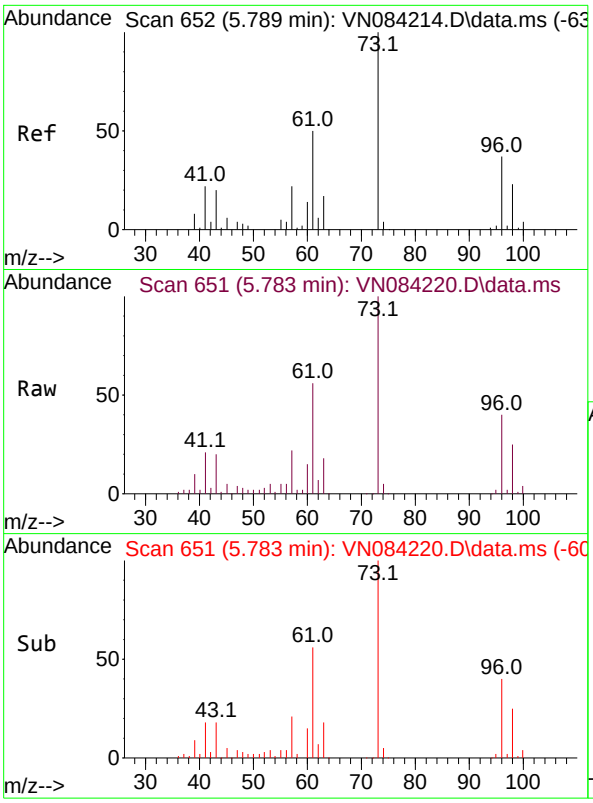


#20
Methylene Chloride
Concen: 52.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 84 Resp: 117572

Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.9	31.8	47.8
86	56.5	52.9	79.3



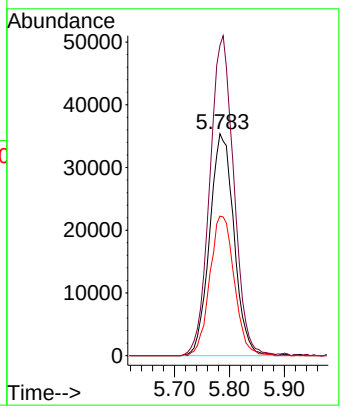


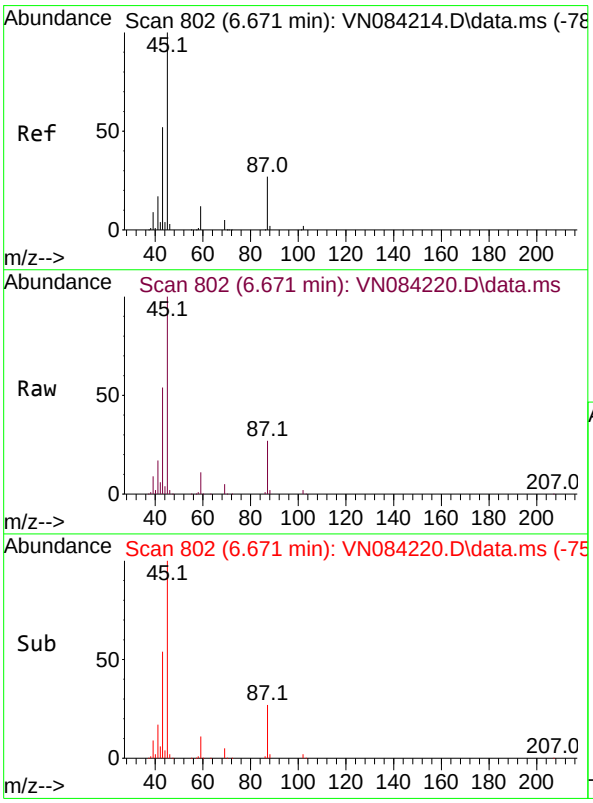
#21
trans-1,2-Dichloroethene
Concen: 52.980 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 96 Resp: 108894

Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	62.9	49.8	74.8

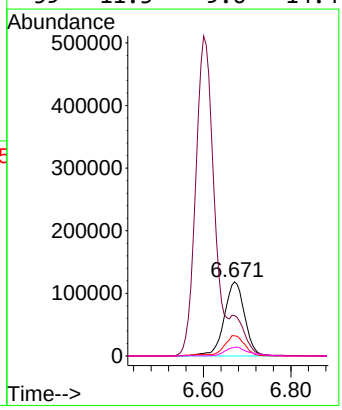


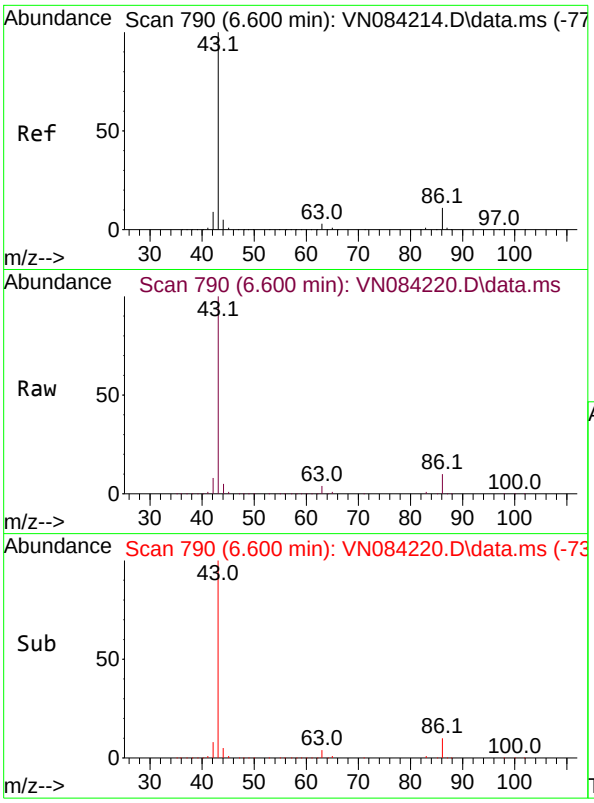


#22
Diisopropyl ether
Concen: 54.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 45 Resp: 384647

Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.3	63.5
87	27.0	21.8	32.6
59	11.3	9.6	14.4



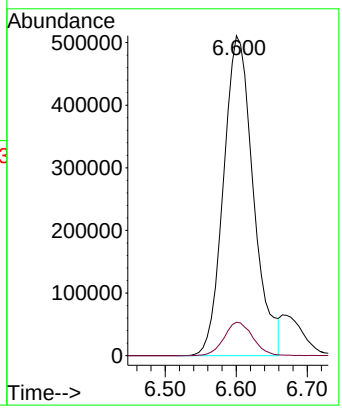


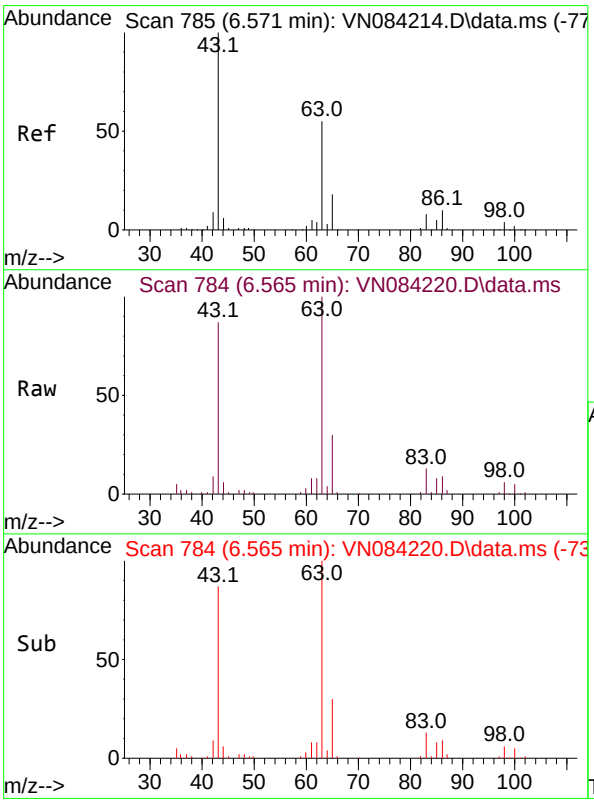
#23
Vinyl Acetate
Concen: 285.569 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 1492704

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8

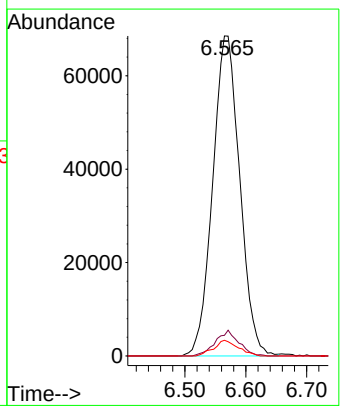


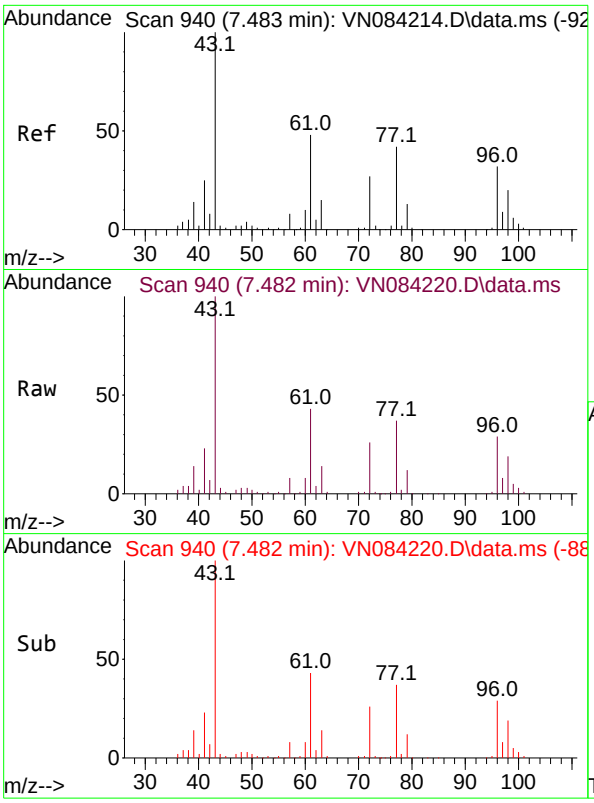


#24
1,1-Dichloroethane
Concen: 53.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 211544

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.2
100	4.9	2.0	5.8



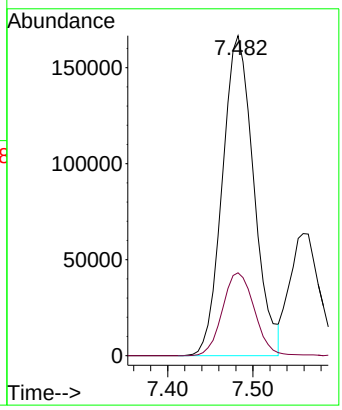


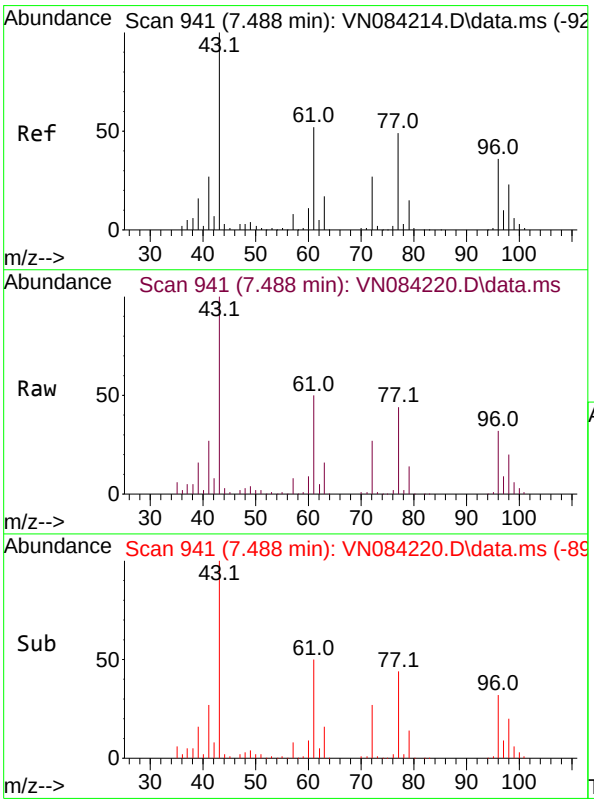
#25
2-Butanone
Concen: 282.397 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 426860

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

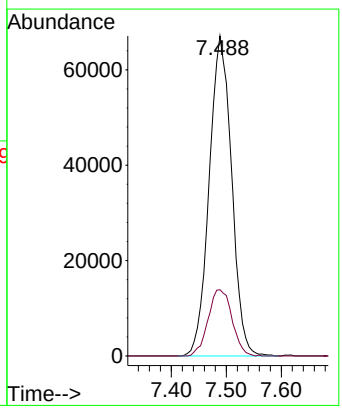


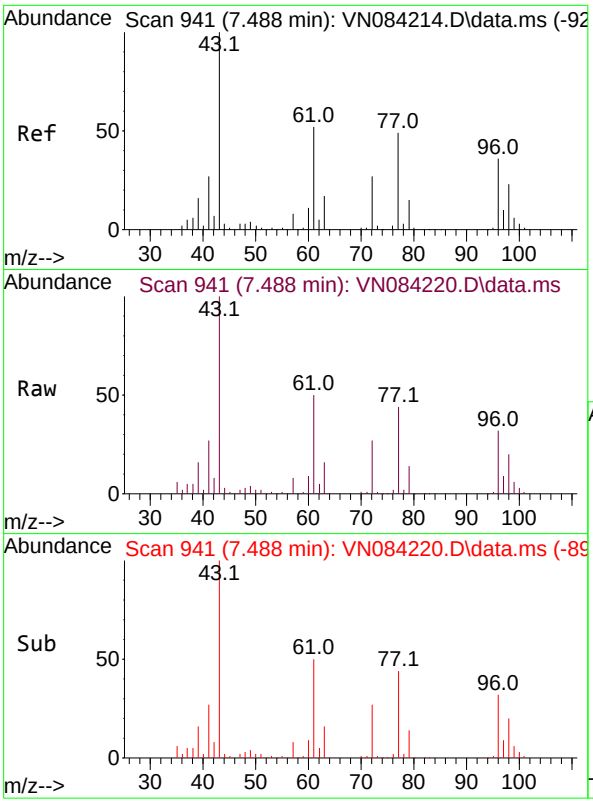


#26
2,2-Dichloropropane
Concen: 53.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 77 Resp: 189858

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



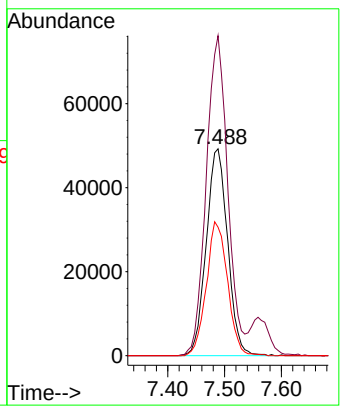


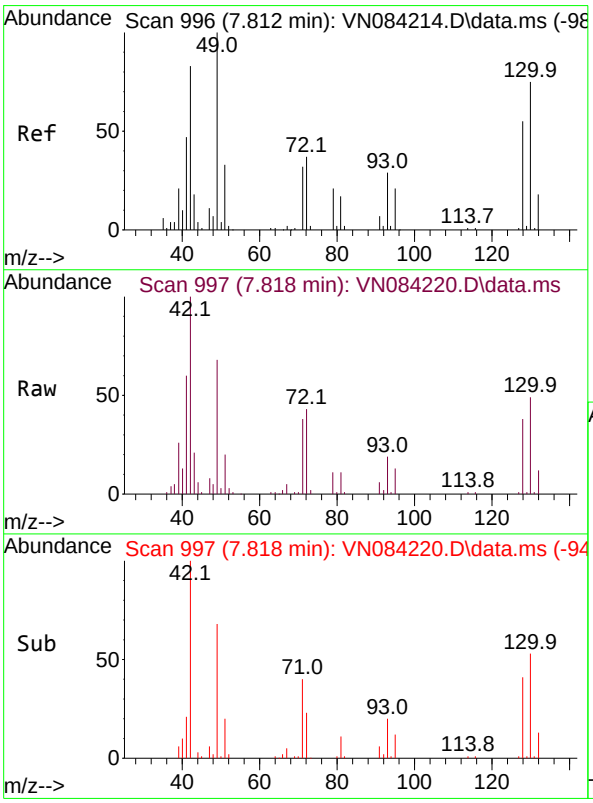
#27
cis-1,2-Dichloroethene
Concen: 51.876 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 96 Resp: 128843

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	301.8
98	64.2	0.0	128.2

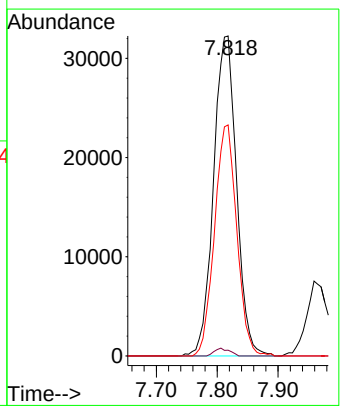


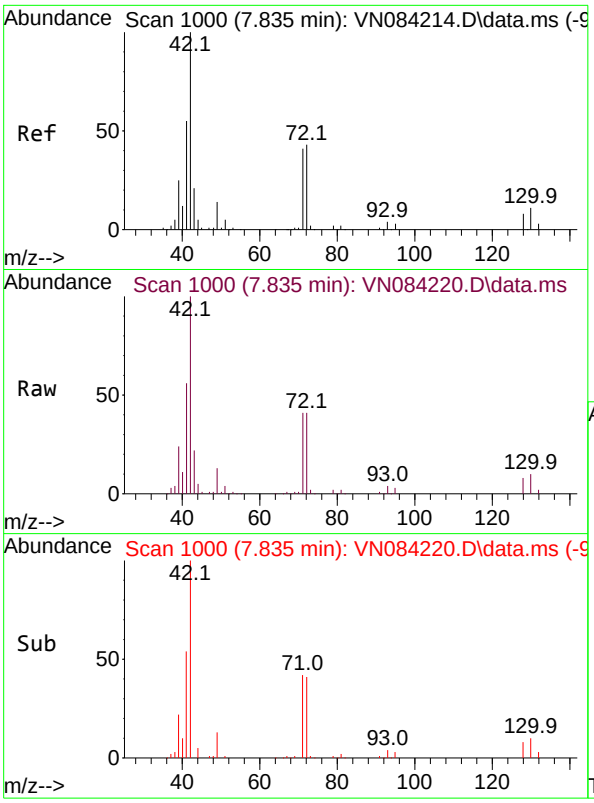


#28
Bromochloromethane
Concen: 48.129 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 49 Resp: 84632

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	70.0	58.0	87.0



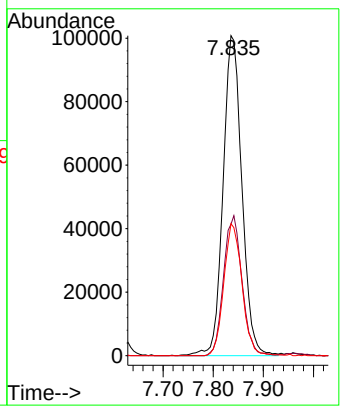


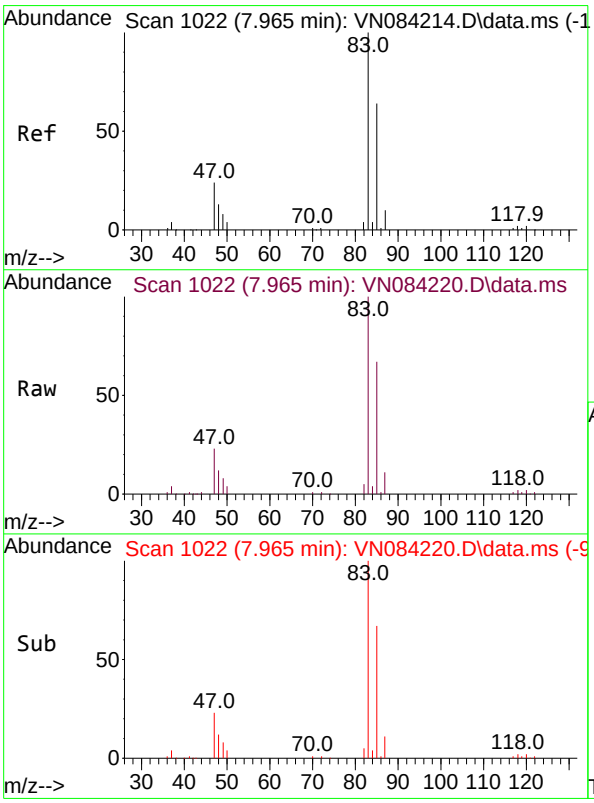
#29
Tetrahydrofuran
Concen: 281.940 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 42 Resp: 262996

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.0	32.2	48.4

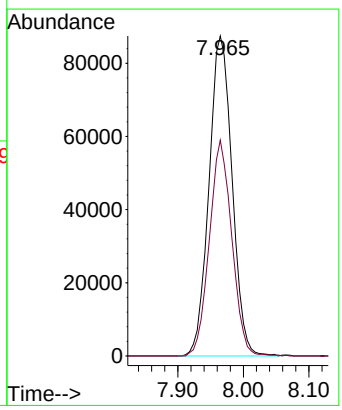


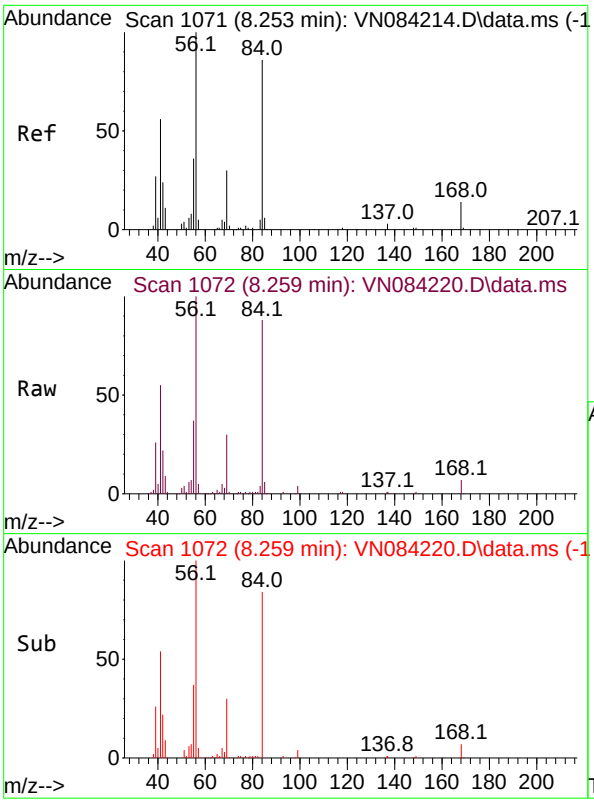


#30
Chloroform
Concen: 52.184 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 213634

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4



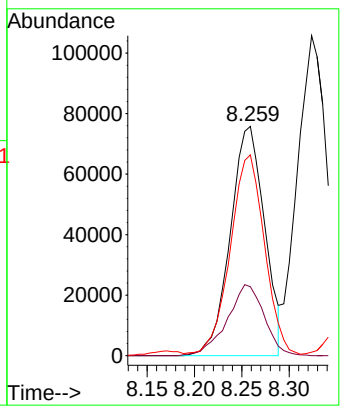


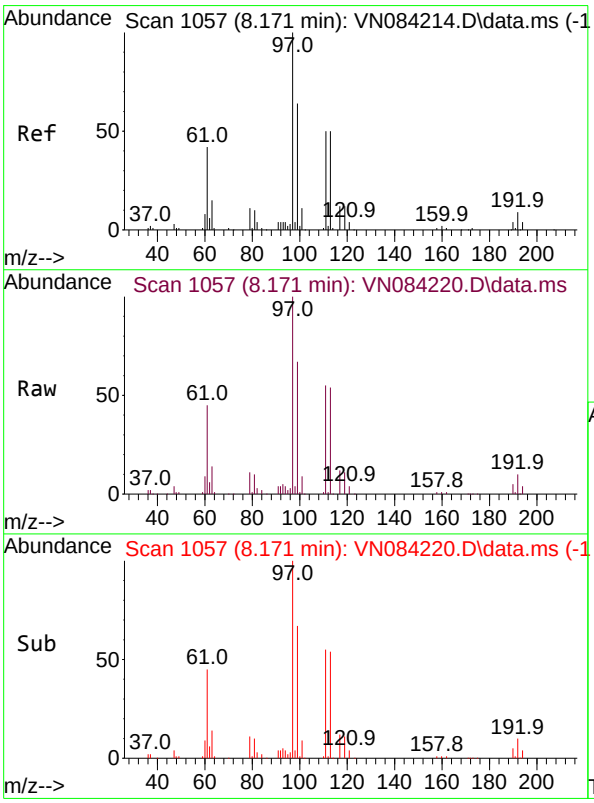
#31
Cyclohexane
Concen: 49.809 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 56 Resp: 190602

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	85.8	68.8	103.2

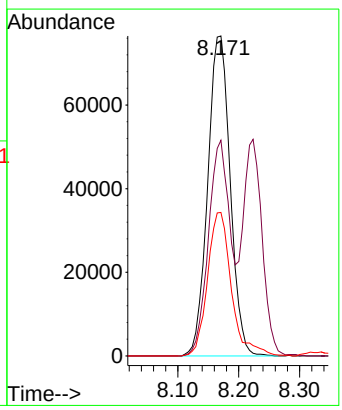


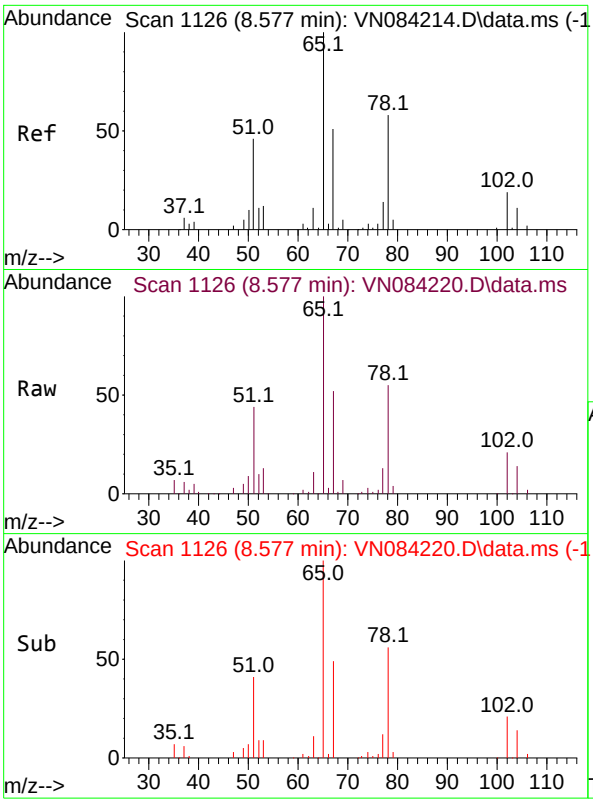


#32
1,1,1-Trichloroethane
Concen: 53.395 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 97 Resp: 196319

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	47.6	37.5	56.3



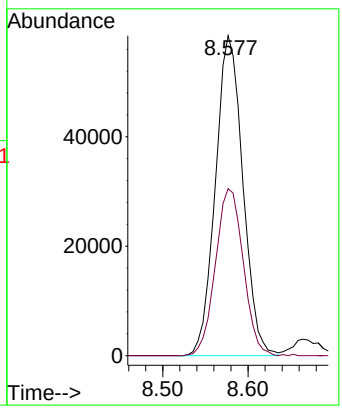


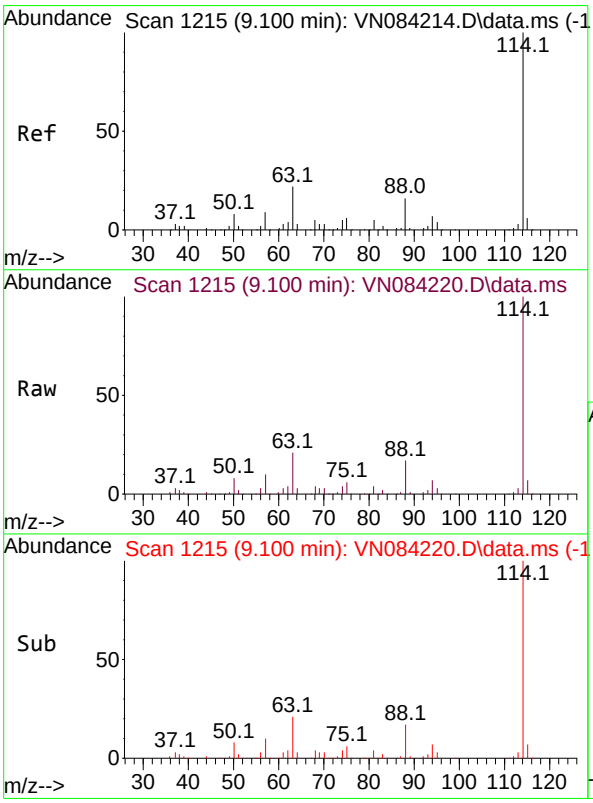
#33
1,2-Dichloroethane-d4
Concen: 50.564 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 65 Resp: 130630

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0

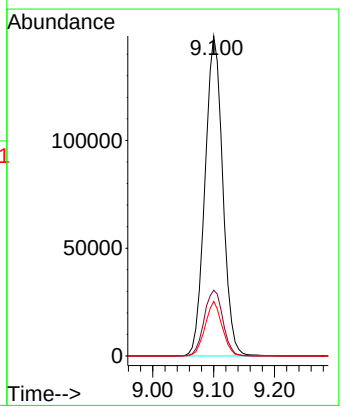


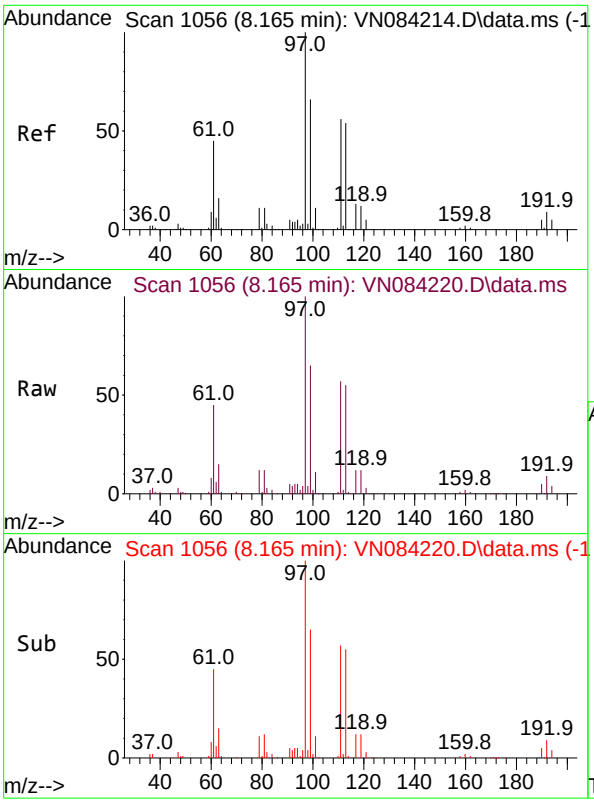


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:114 Resp: 300916

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	17.0	0.0	31.6



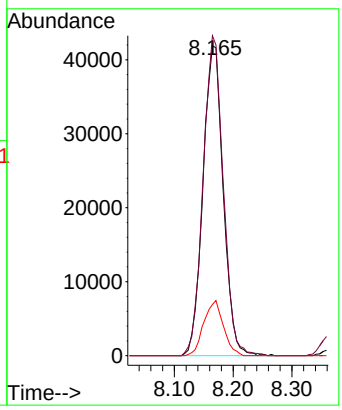


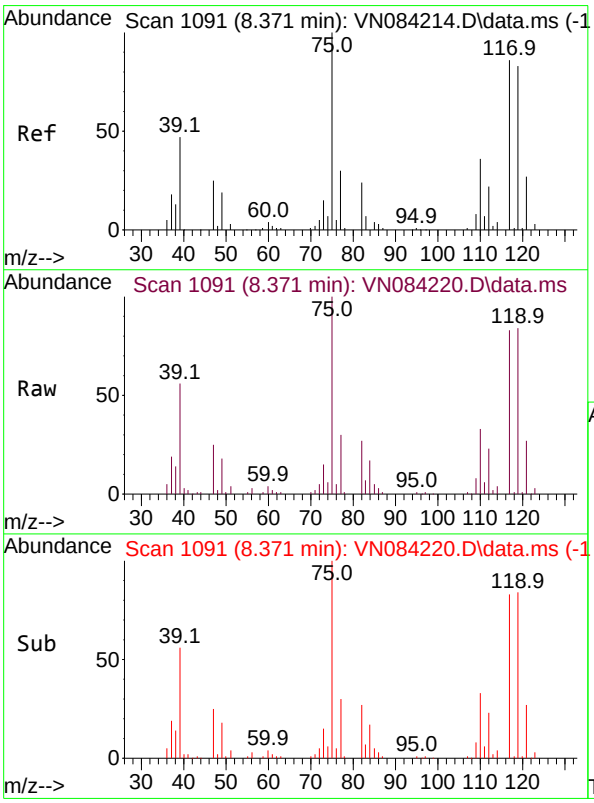
#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:113 Resp: 100200

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.3	13.5	20.3

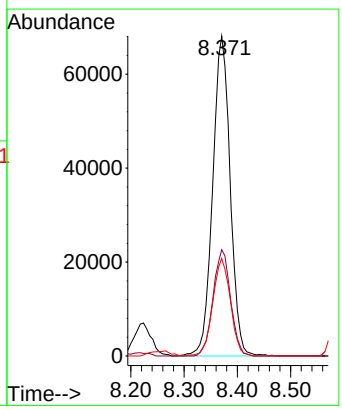


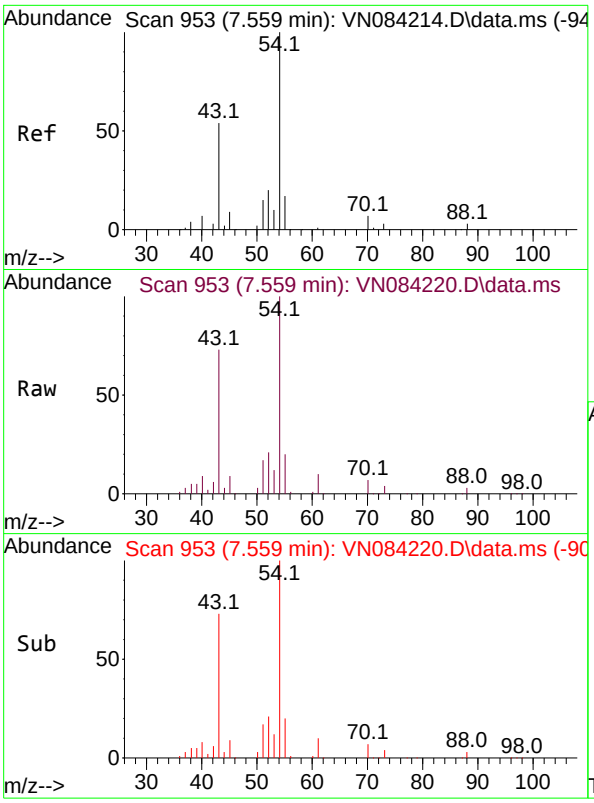


#36
1,1-Dichloropropene
Concen: 53.917 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 155365

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	30.7	24.7	37.1



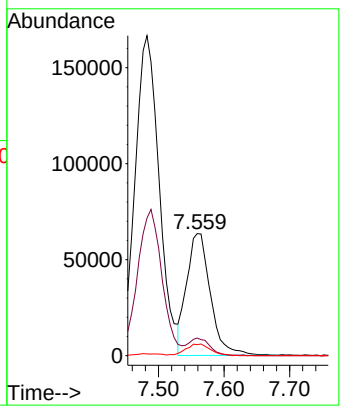


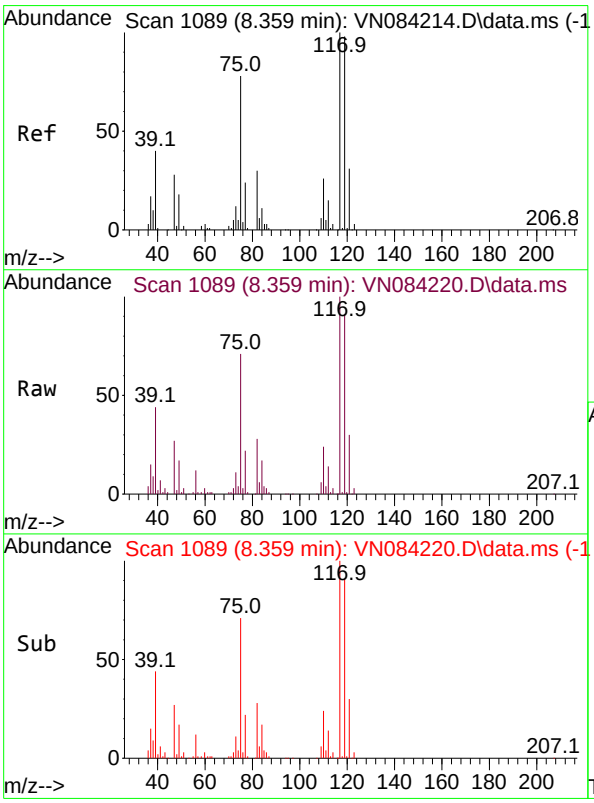
#37
Ethyl Acetate
Concen: 54.043 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 159764

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.0	8.8	13.2

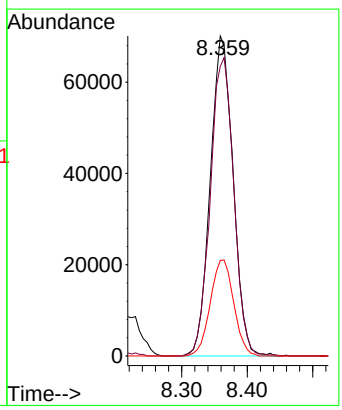


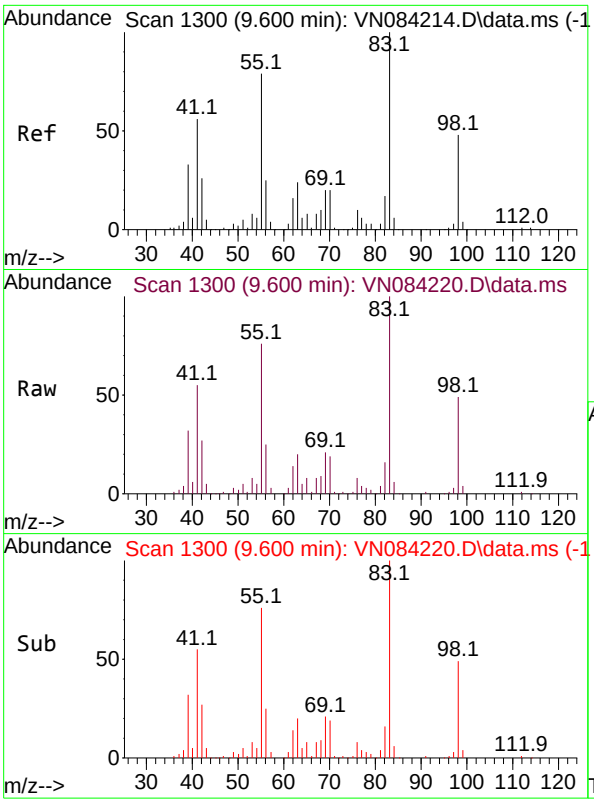


#38
Carbon Tetrachloride
Concen: 53.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 169403

Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.7	118.1
121	29.9	24.4	36.6



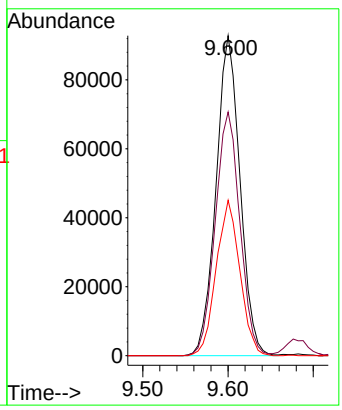


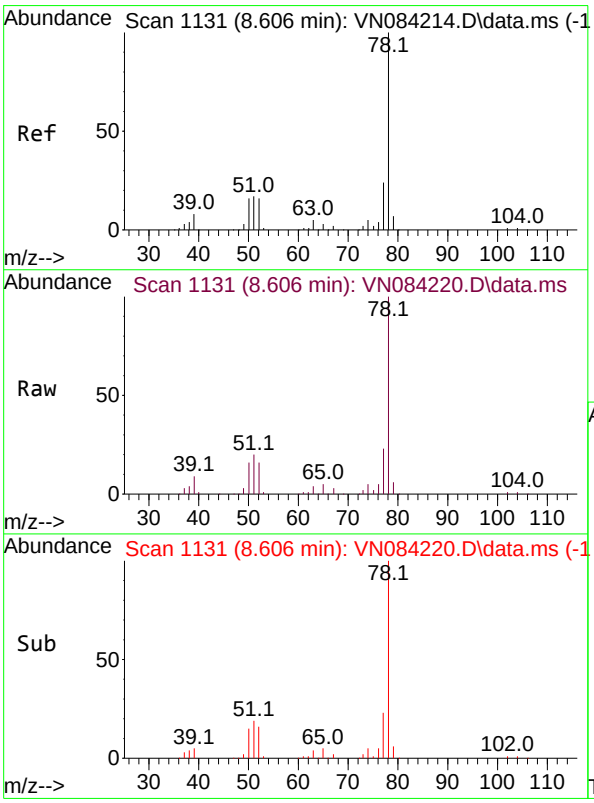
#39
Methylcyclohexane
Concen: 56.648 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 83 Resp: 181676

Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.8	94.2
98	48.6	38.8	58.2

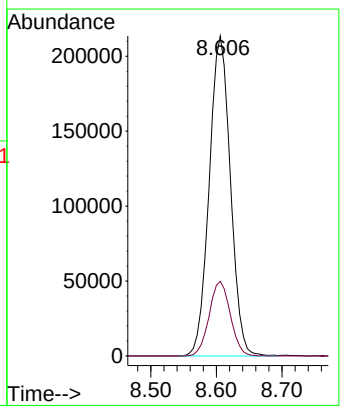


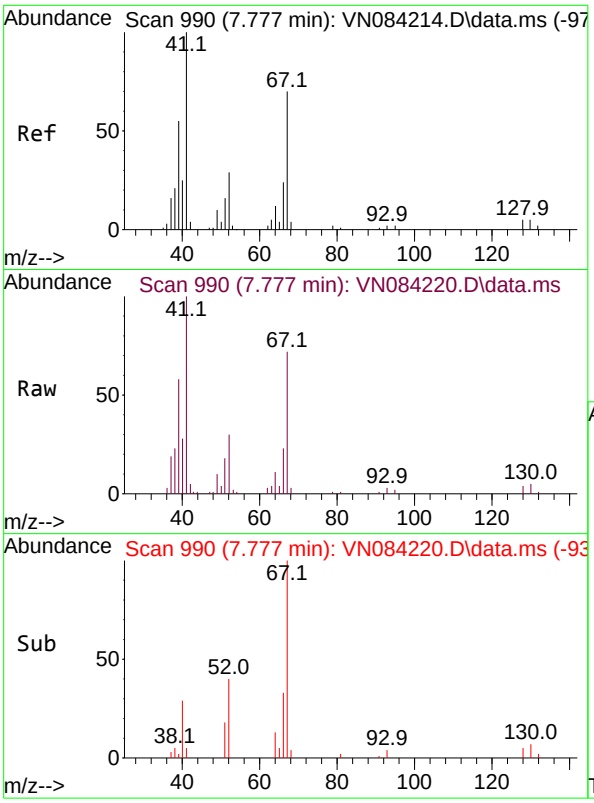


#40
Benzene
Concen: 53.301 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 78 Resp: 478538

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



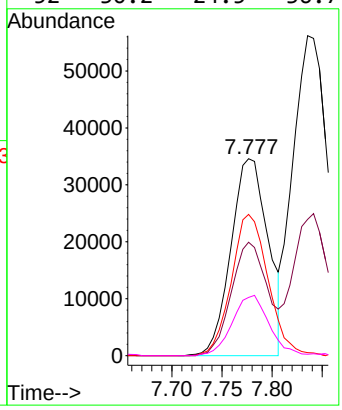


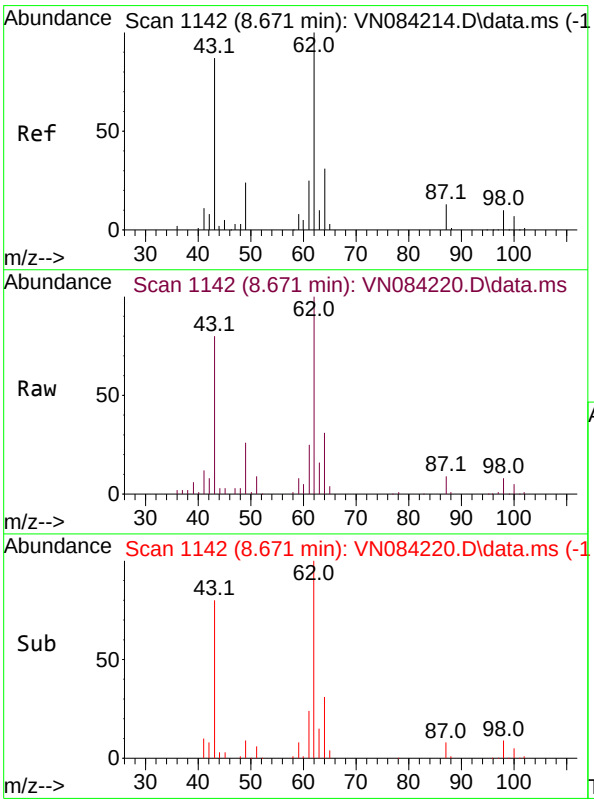
#41
Methacrylonitrile
Concen: 55.708 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 41 Resp: 89407

Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.3	64.9
67	70.8	56.1	84.1
52	30.2	24.5	36.7

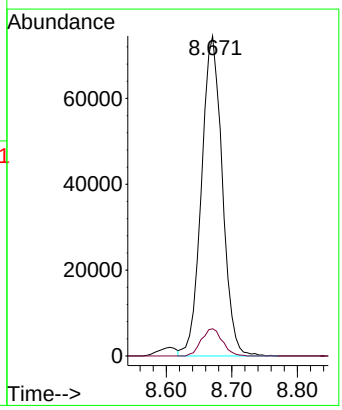


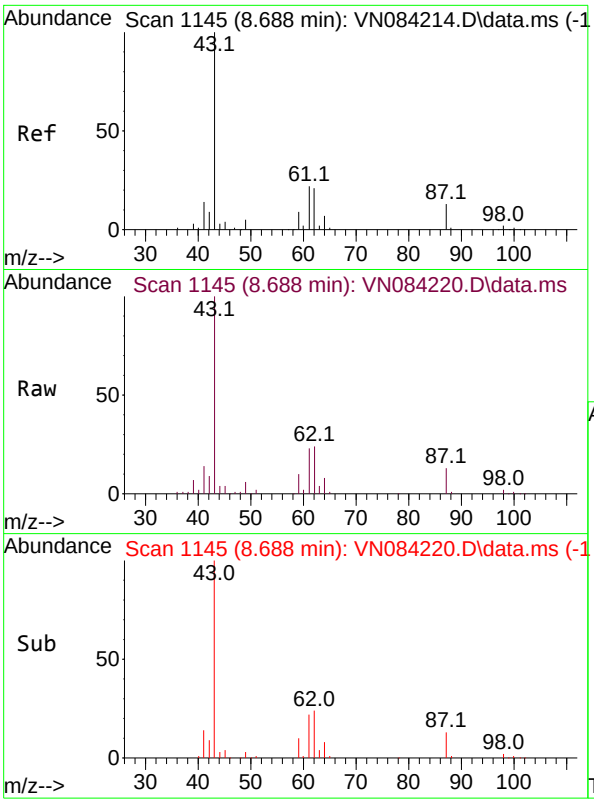


#42
1,2-Dichloroethane
Concen: 54.131 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 164758

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



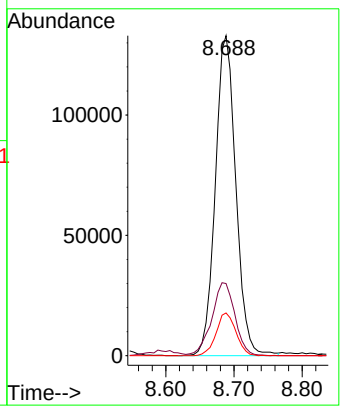


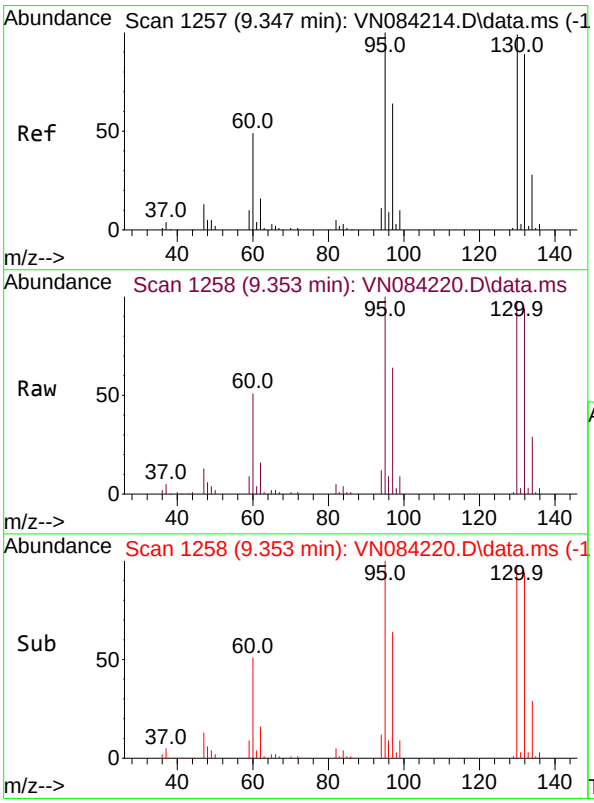
#43
Isopropyl Acetate
Concen: 48.126 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 278668

Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.4	30.6
87	12.9	10.3	15.5

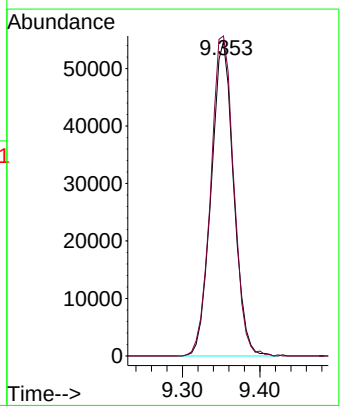


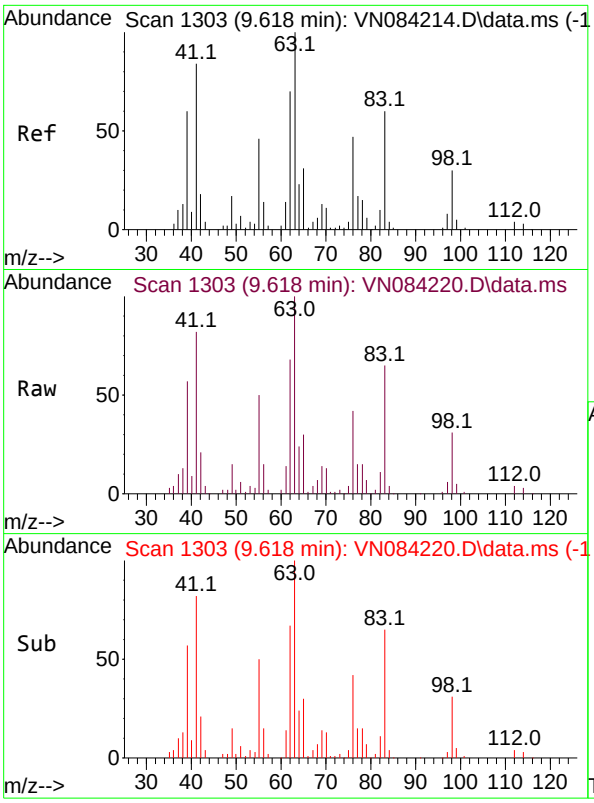


#44
Trichloroethene
Concen: 52.368 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:130 Resp: 109810

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0



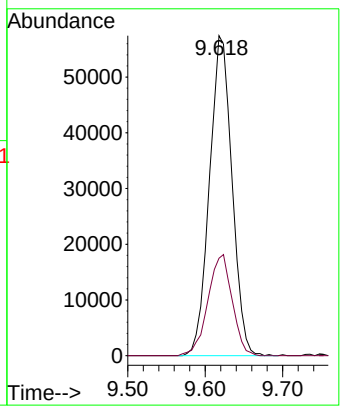


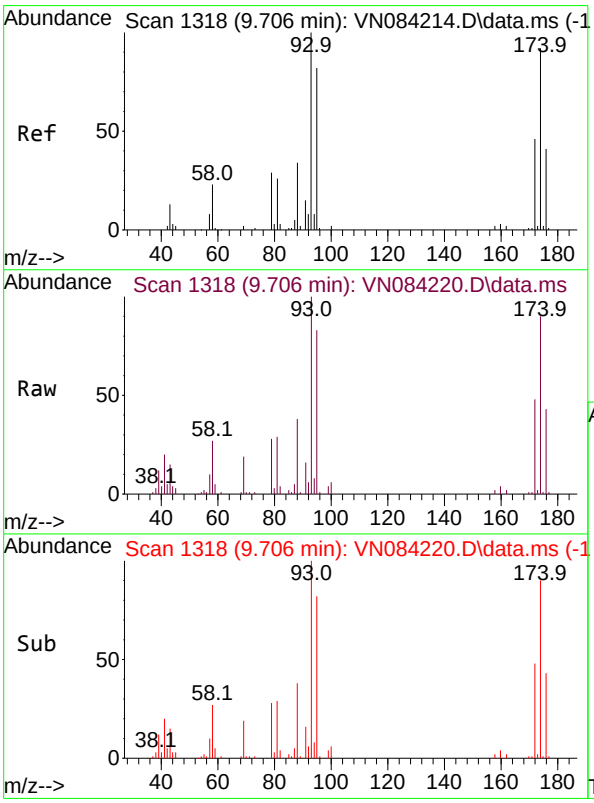
#45
1,2-Dichloropropane
Concen: 54.694 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 63 Resp: 116161

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0

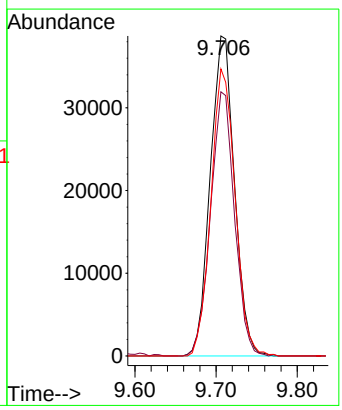


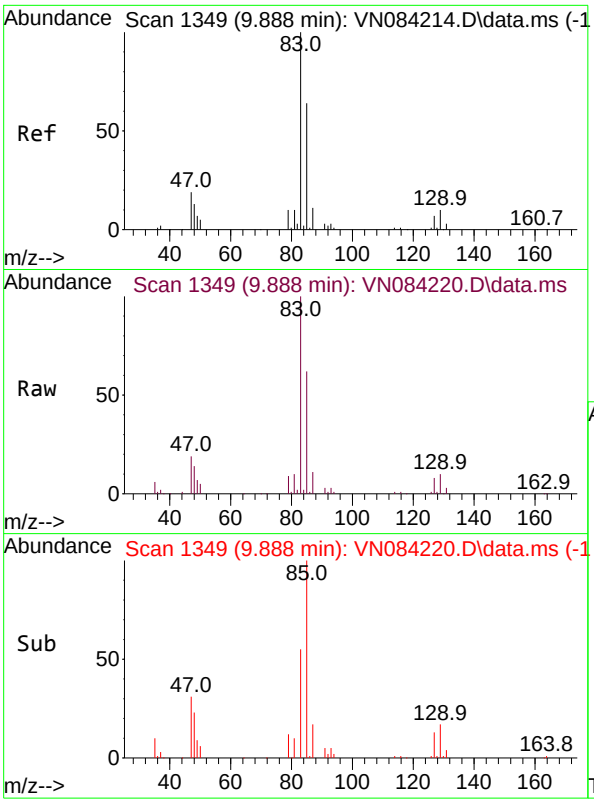


#46
Dibromomethane
Concen: 56.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 93 Resp: 80284

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	89.6	71.8	107.8



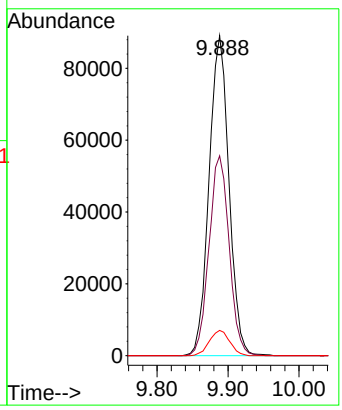


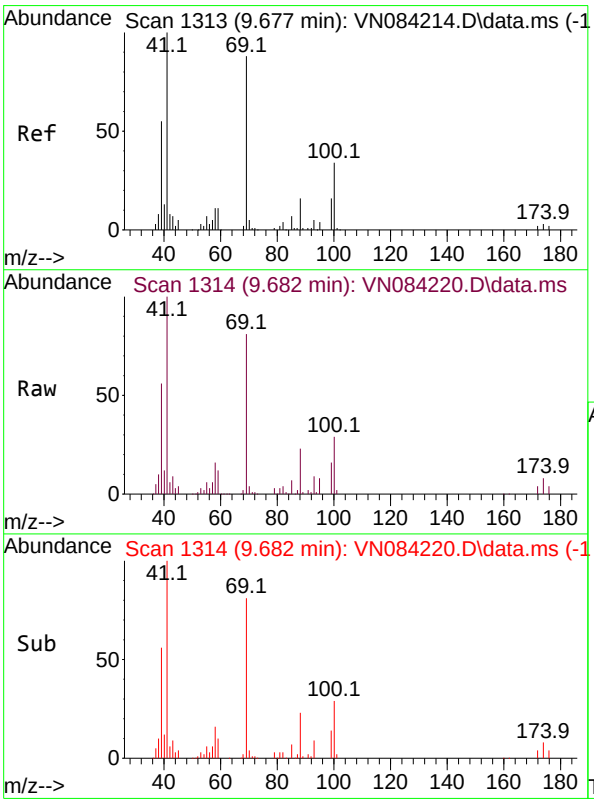
#47
Bromodichloromethane
Concen: 54.335 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 83 Resp: 173015

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3
127	7.9	5.7	8.5

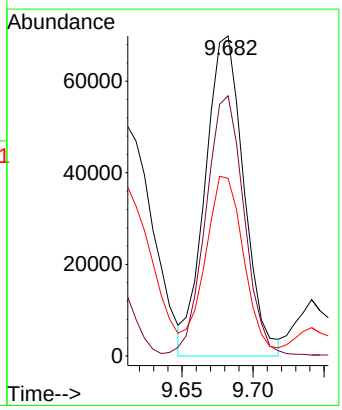


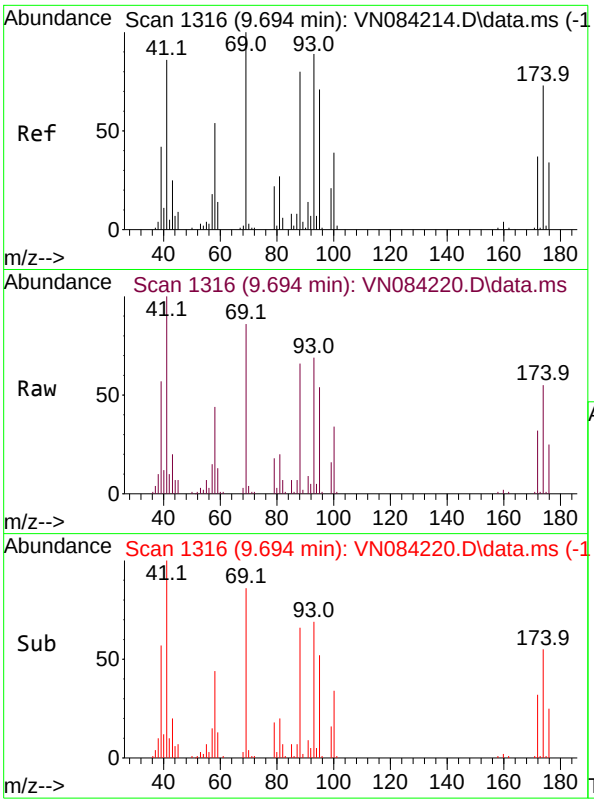


#48
Methyl methacrylate
Concen: 57.391 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 132287

Ion	Ratio	Lower	Upper
41	100		
69	81.0	67.1	100.7
39	56.9	45.8	68.6



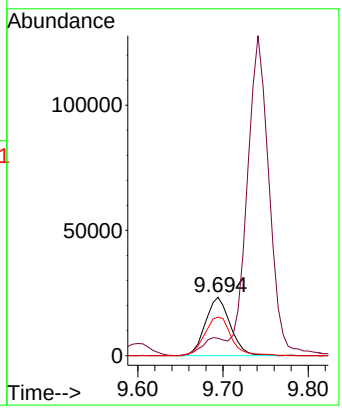


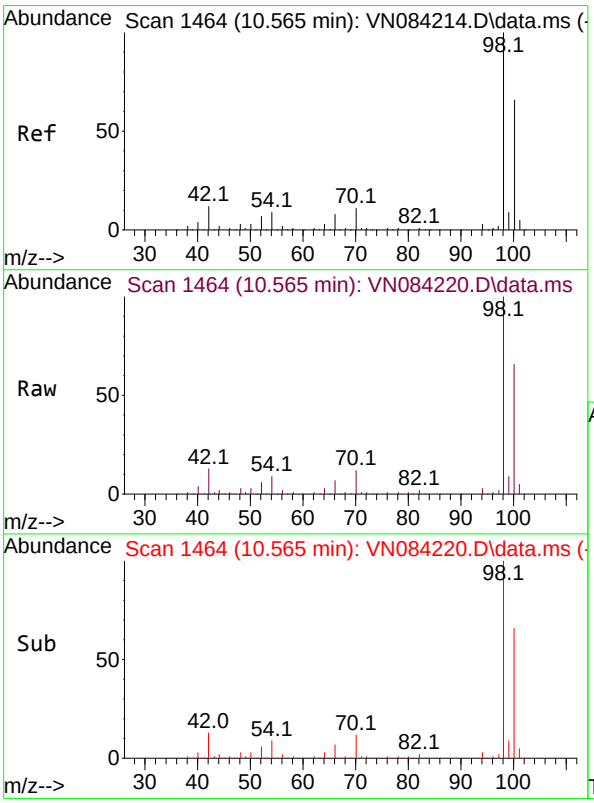
#49
1,4-Dioxane
Concen: 1111.545 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 88 Resp: 47169

Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	71.7	56.4	84.6

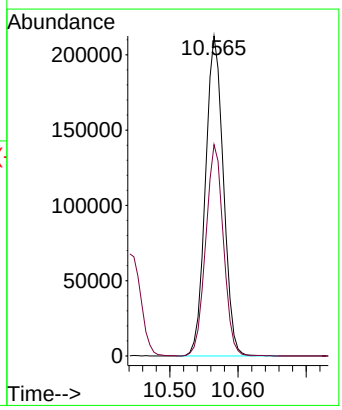


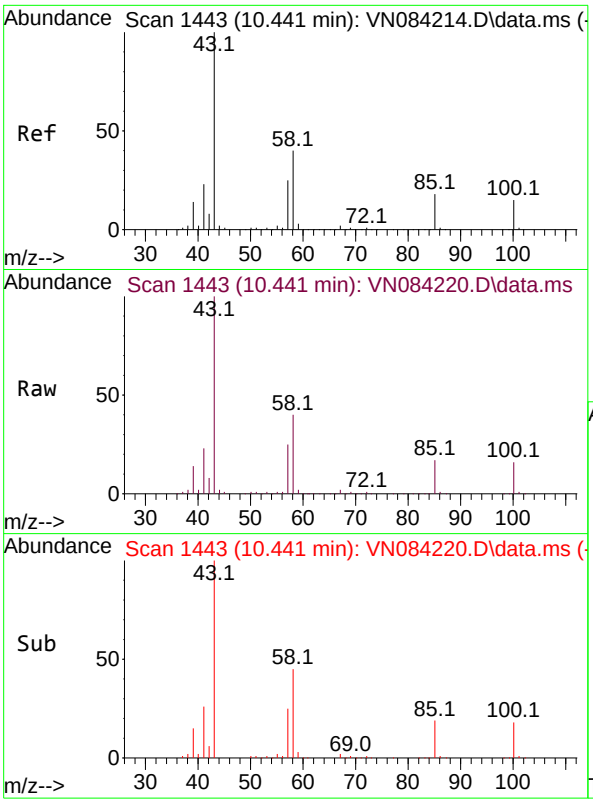


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 98 Resp: 387775

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



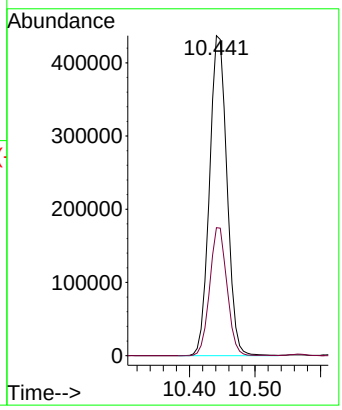


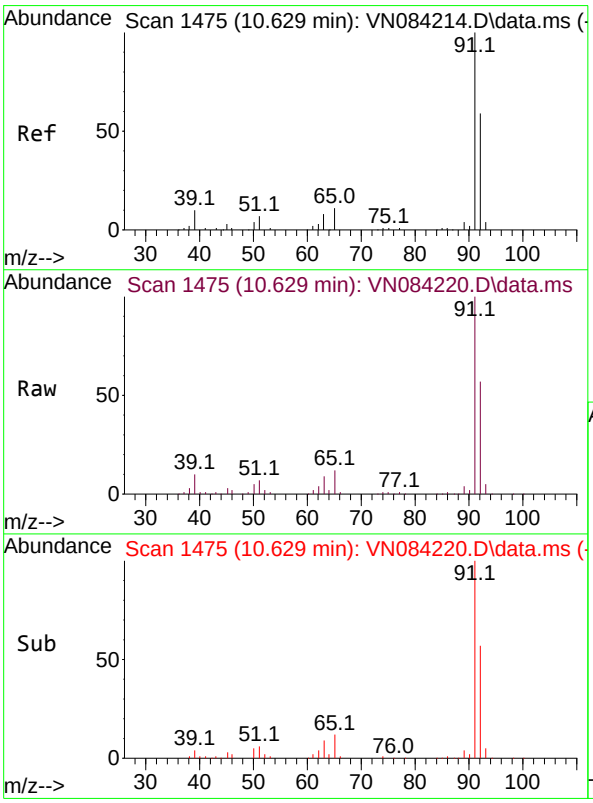
#51
4-Methyl-2-Pentanone
Concen: 287.336 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 808630

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

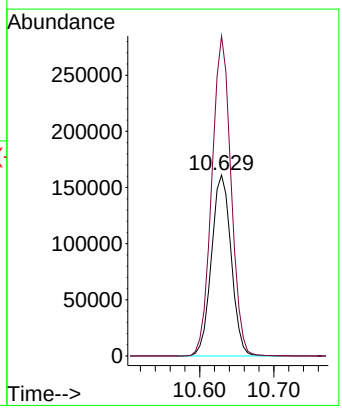


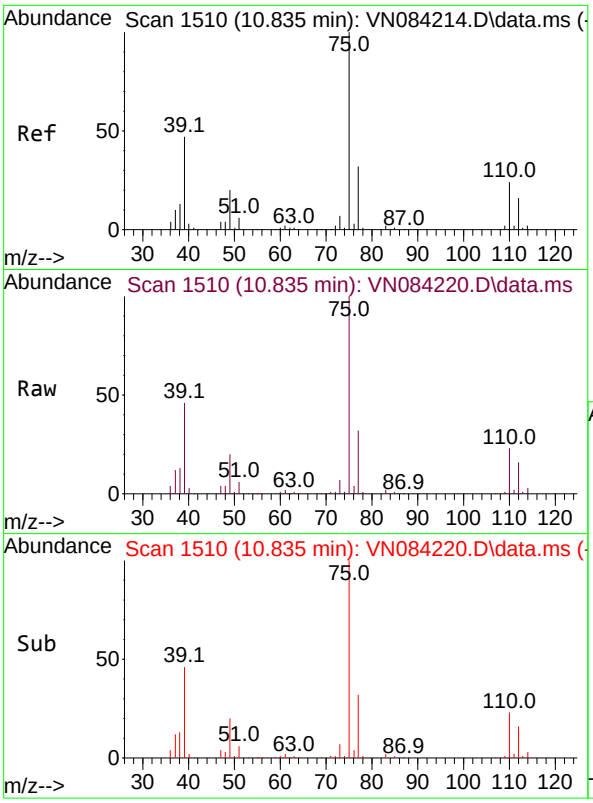


#52
Toluene
Concen: 54.185 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 92 Resp: 296651

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9



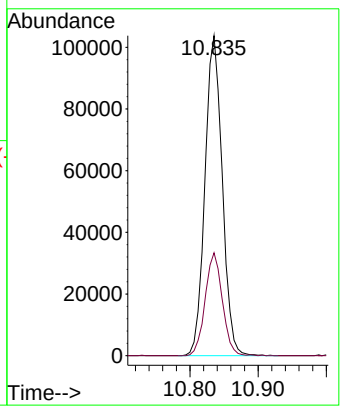


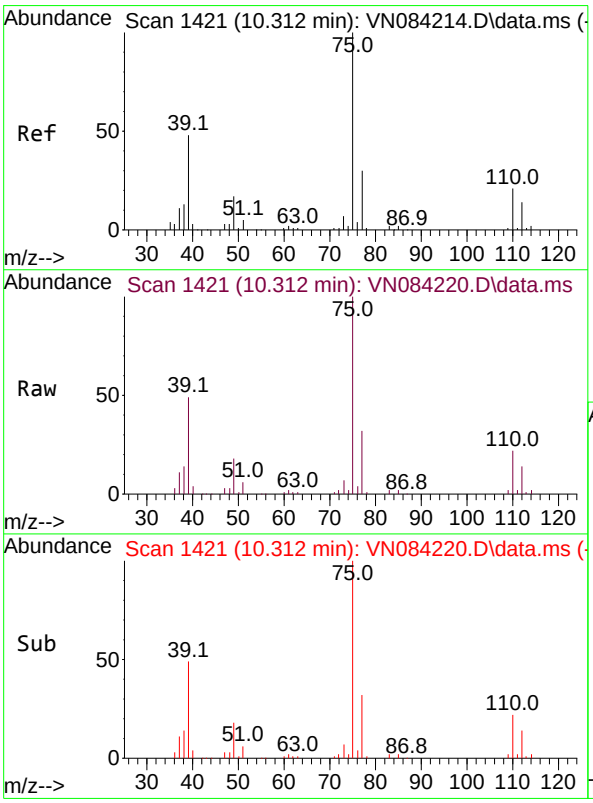
#53
t-1,3-Dichloropropene
Concen: 56.426 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 75 Resp: 183153

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

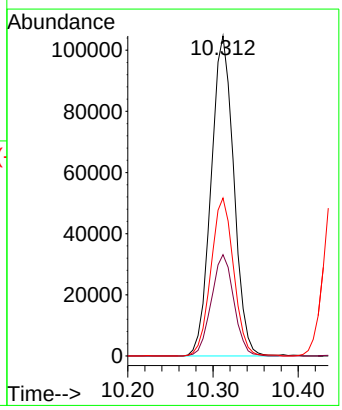


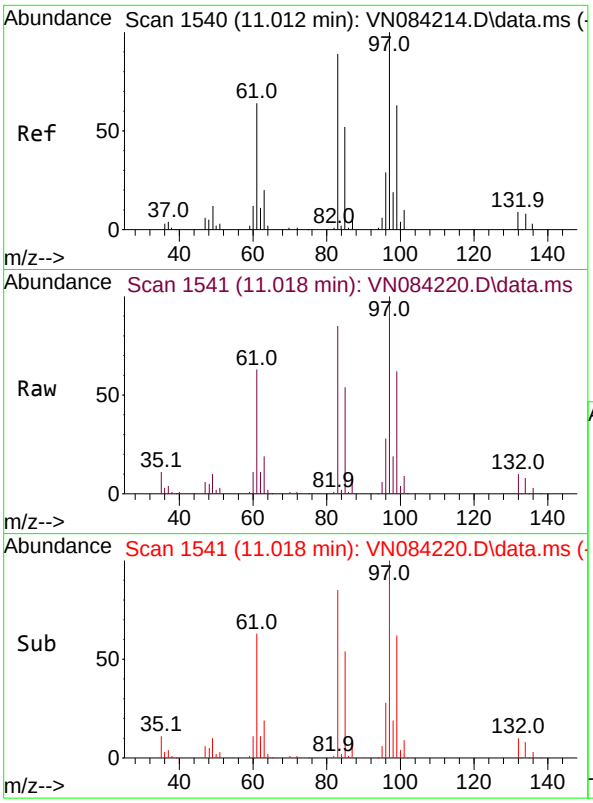


#54
cis-1,3-Dichloropropene
Concen: 55.416 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 193475

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	49.4	38.7	58.1



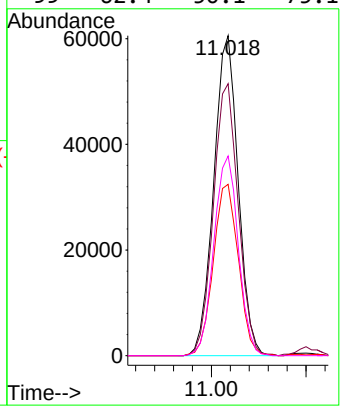


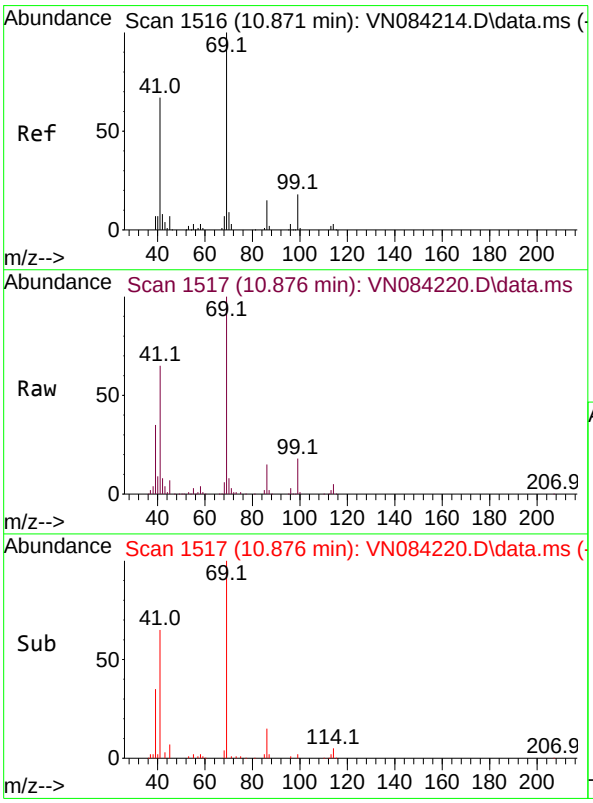
#55
1,1,2-Trichloroethane
Concen: 55.307 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 97 Resp: 108550

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	53.6	41.7	62.5
99	62.4	50.1	75.1

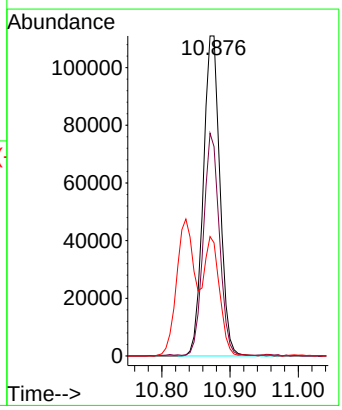


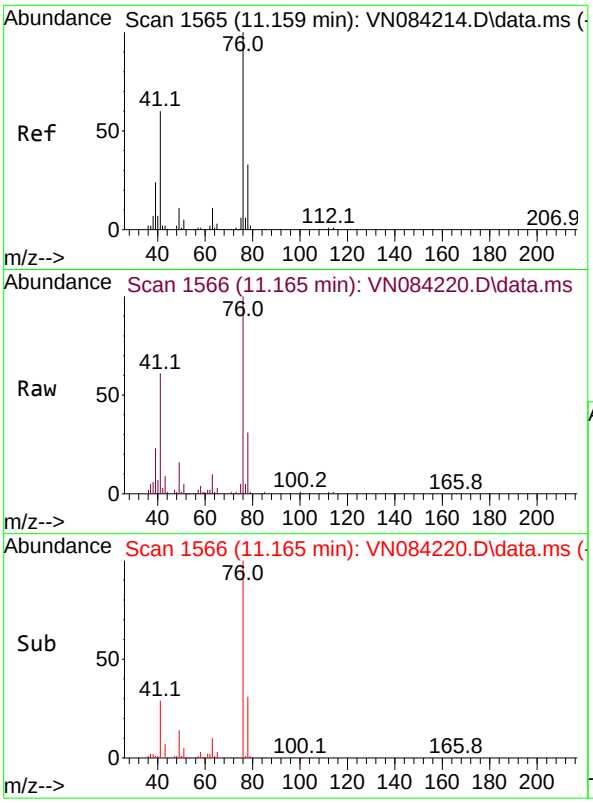


#56
Ethyl methacrylate
Concen: 58.561 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 69 Resp: 189121

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.3	79.9
39	35.9	28.8	43.2



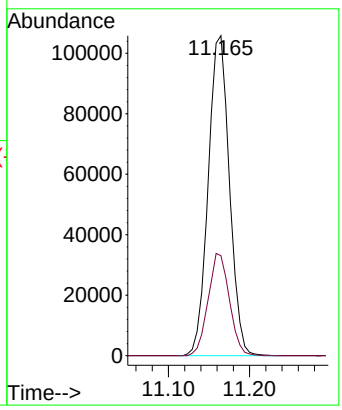


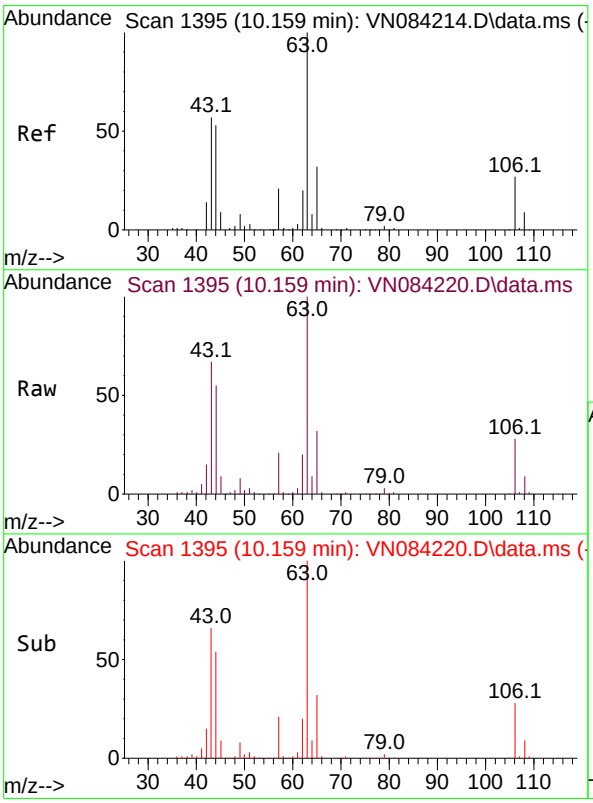
#57
1,3-Dichloropropane
Concen: 54.738 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 76 Resp: 191966

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

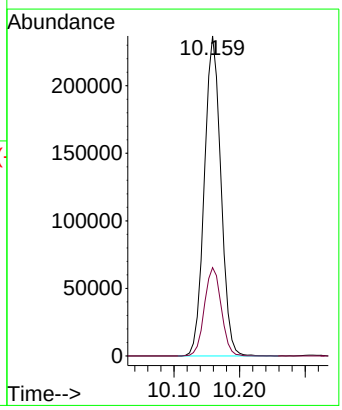


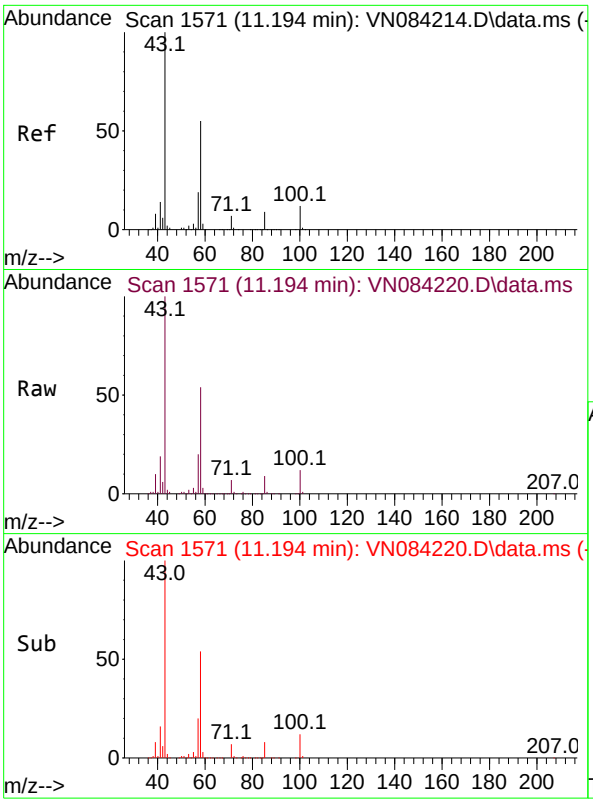


#58
2-Chloroethyl Vinyl ether
Concen: 277.315 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 415454

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6



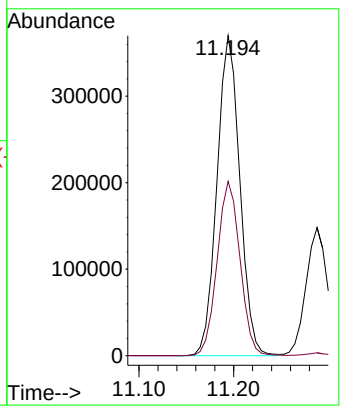


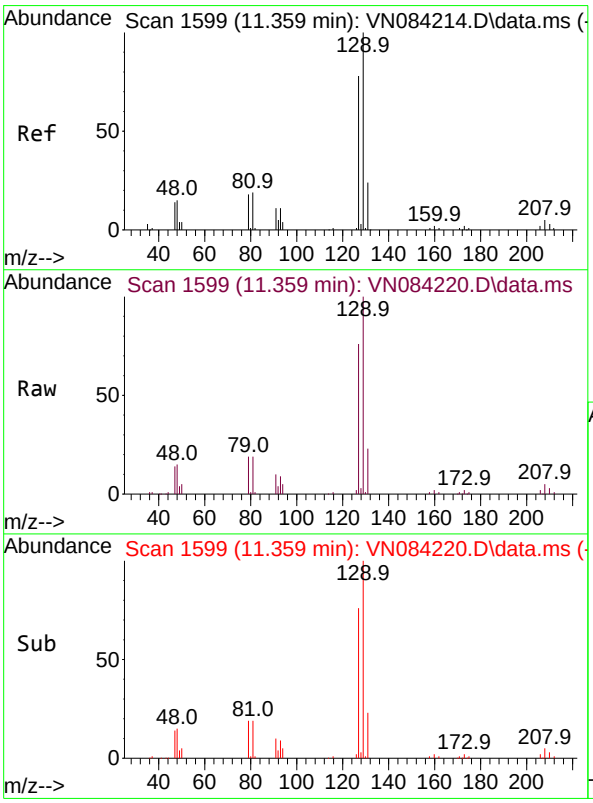
#59
2-Hexanone
Concen: 295.238 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 621000

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

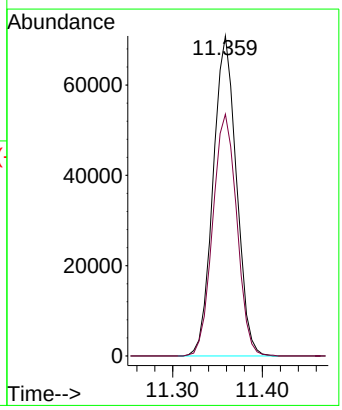


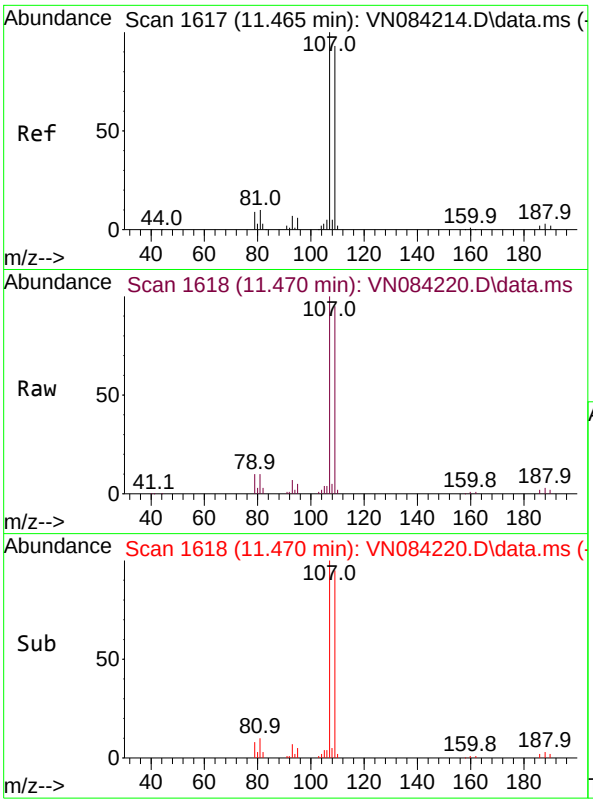


#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:129 Resp: 127786

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9



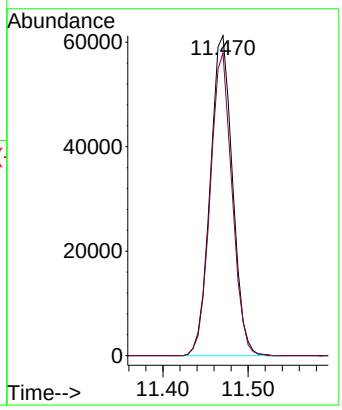


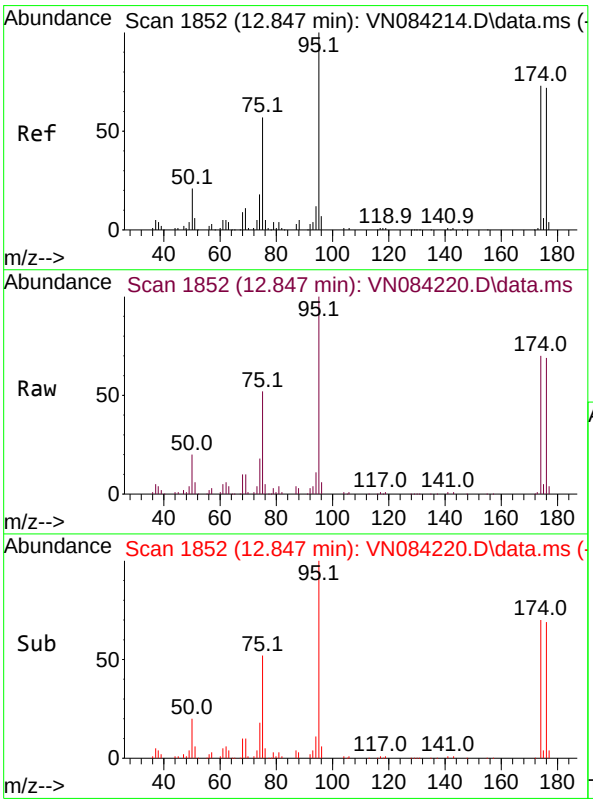
#61
1,2-Dibromoethane
Concen: 54.548 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:107 Resp: 111244

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

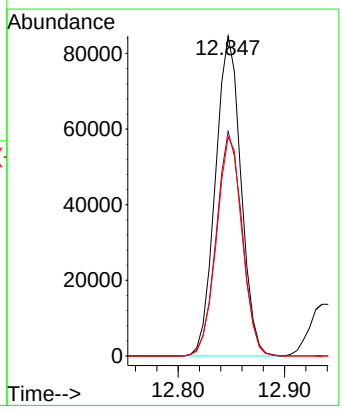


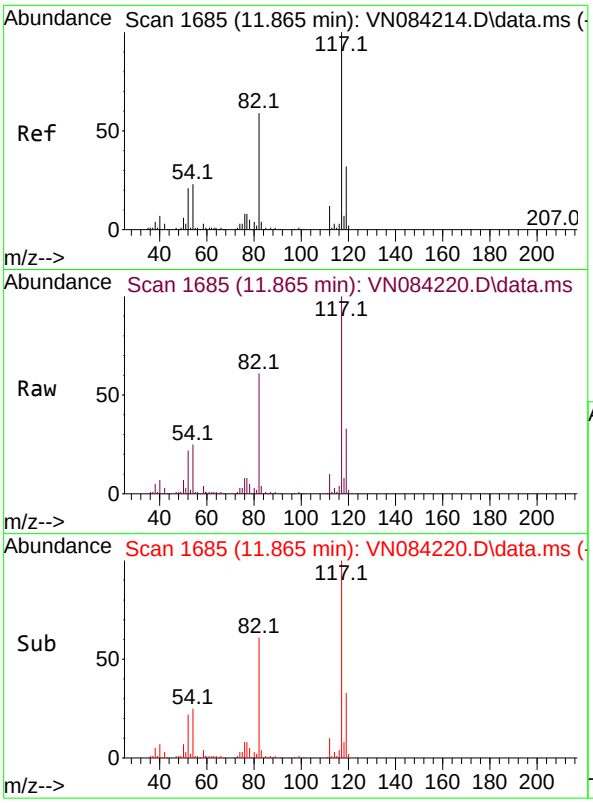


#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 95 Resp: 140850

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	145.2
176	69.2	0.0	140.0



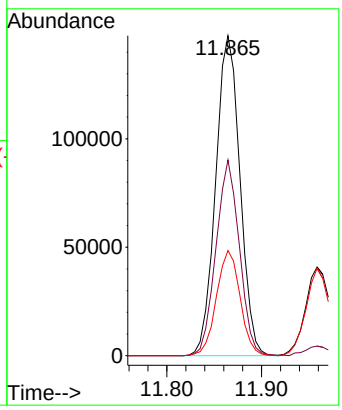


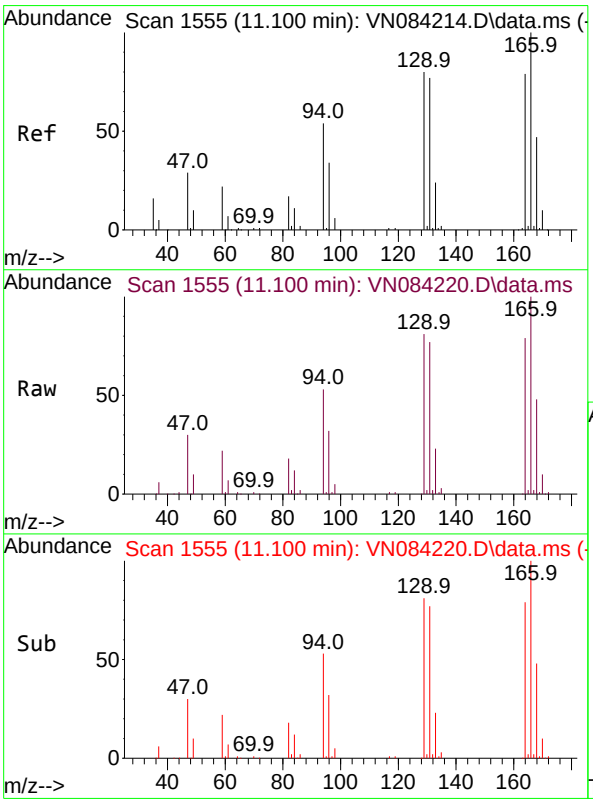
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:117 Resp: 263364

Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.2	70.8
119	32.9	25.4	38.0

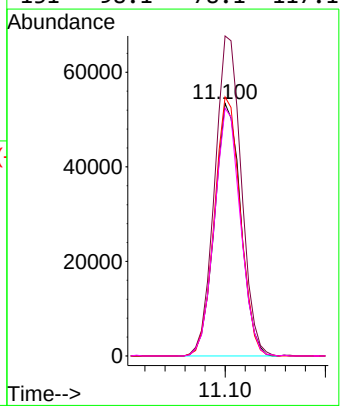


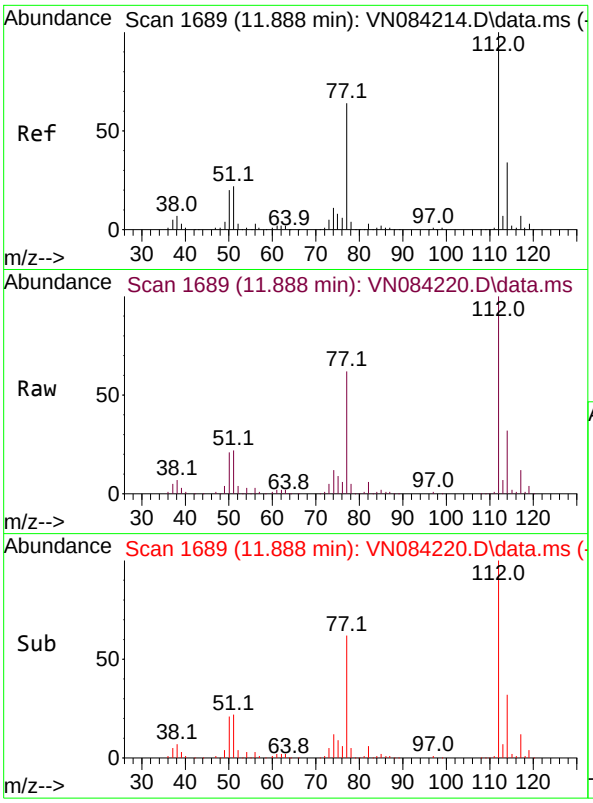


#64
Tetrachloroethene
Concen: 52.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:164 Resp: 96460

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.0	151.4
129	102.6	80.8	121.2
131	98.1	78.1	117.1



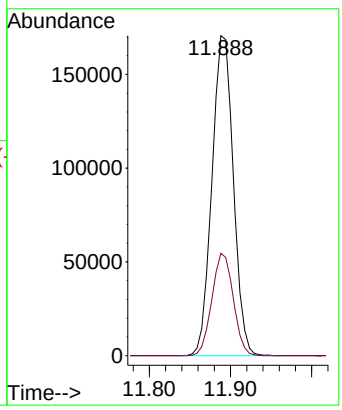


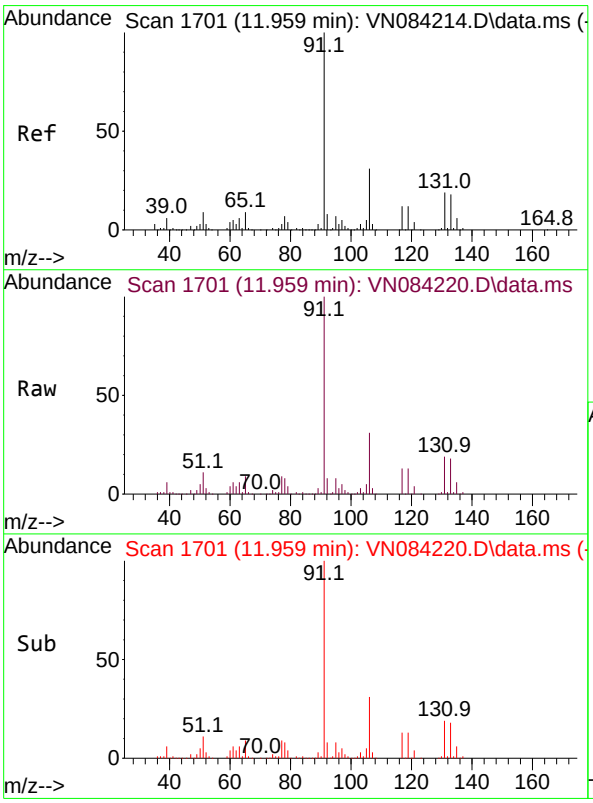
#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:112 Resp: 312728

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6

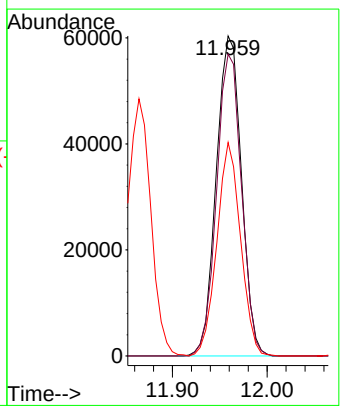


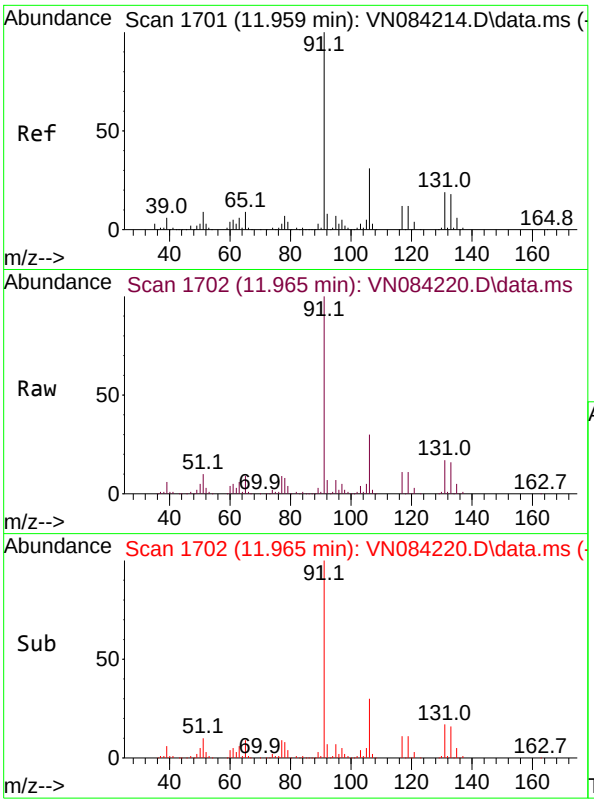


#66
1,1,1,2-Tetrachloroethane
Concen: 55.381 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:131 Resp: 111388

Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.9	143.7
119	62.9	32.8	98.3



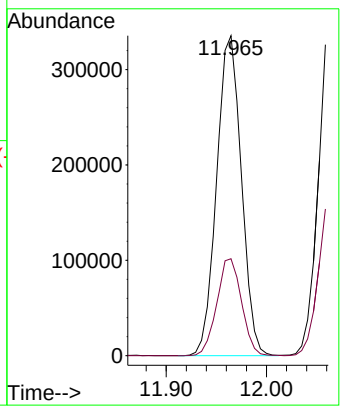


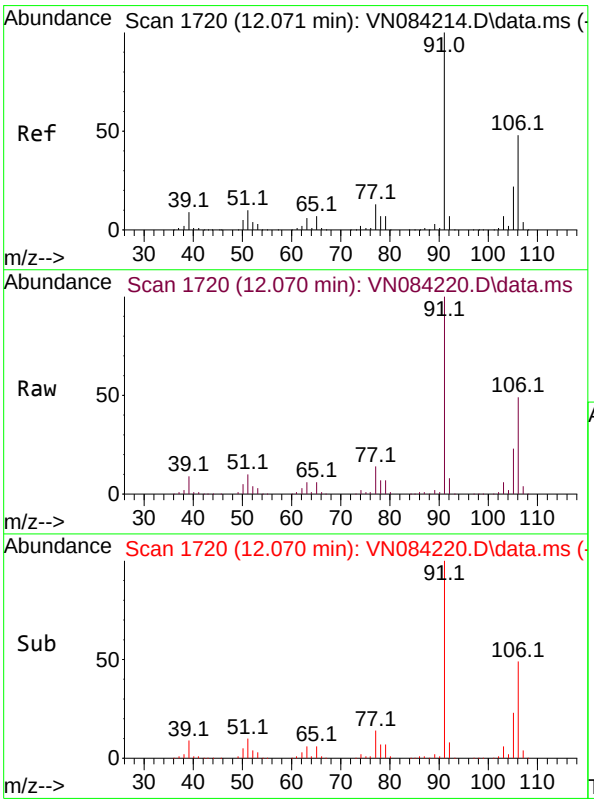
#67
Ethyl Benzene
Concen: 55.563 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 573790

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

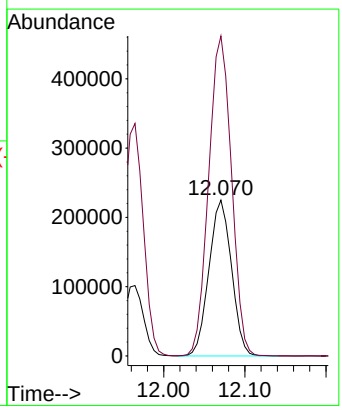


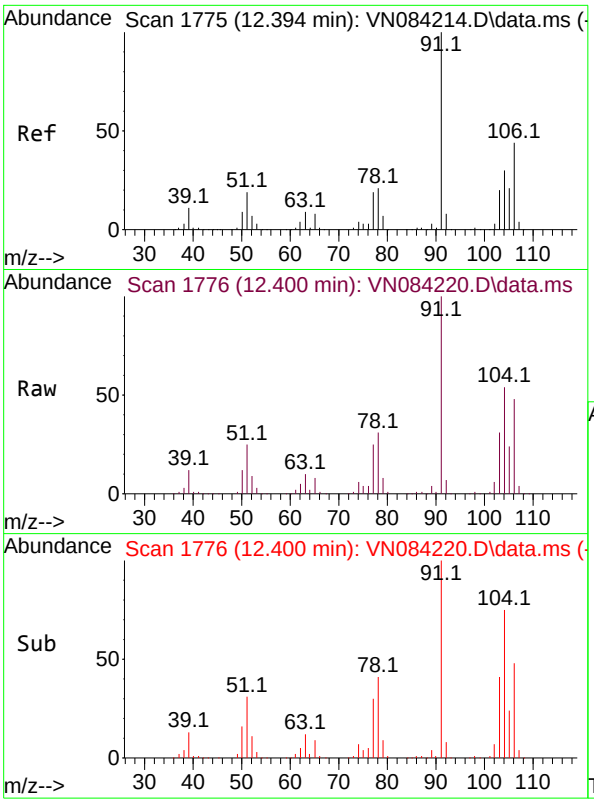


#68
m/p-Xylenes
Concen: 113.748 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 434515

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.1	250.7



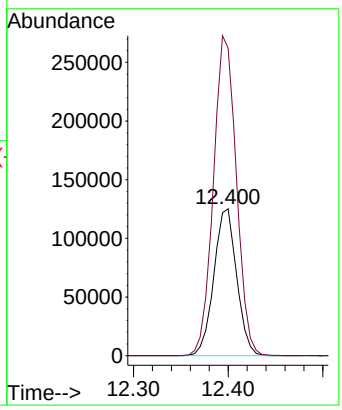


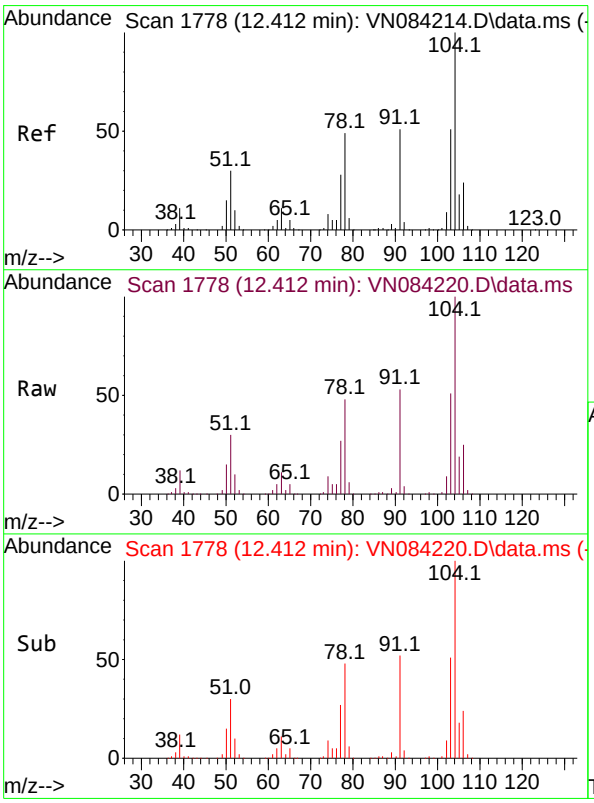
#69
o-Xylene
Concen: 58.032 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:106 Resp: 209737

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6

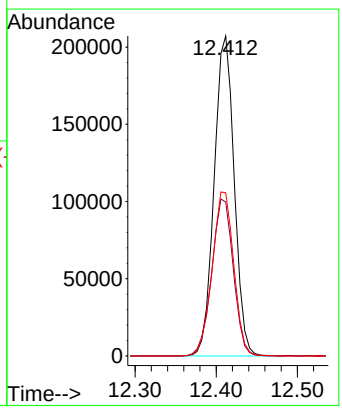


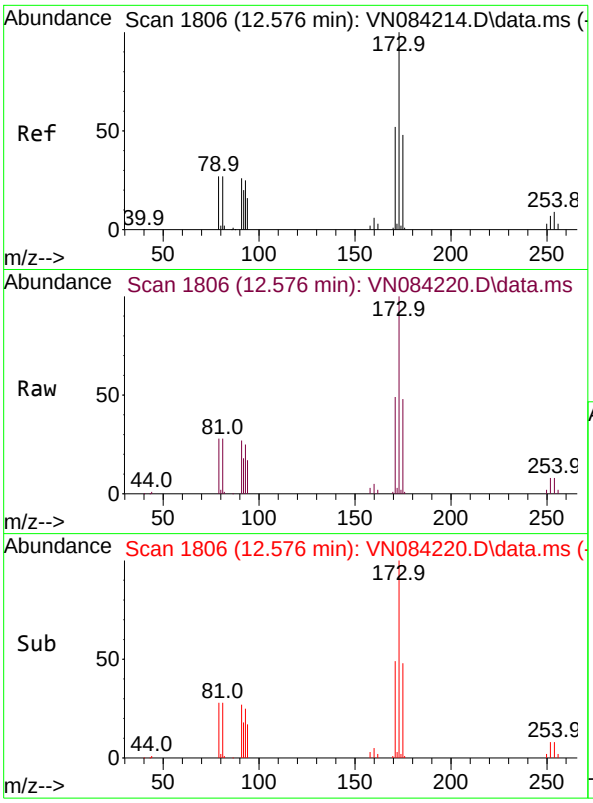


#70
Styrene
Concen: 58.136 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:104 Resp: 355892

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	55.1	43.6	65.4



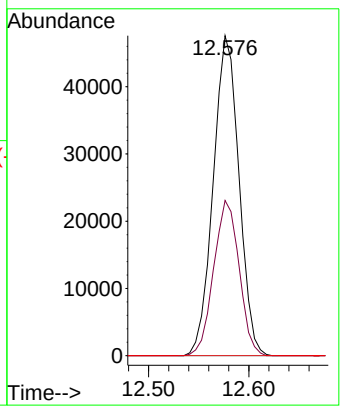


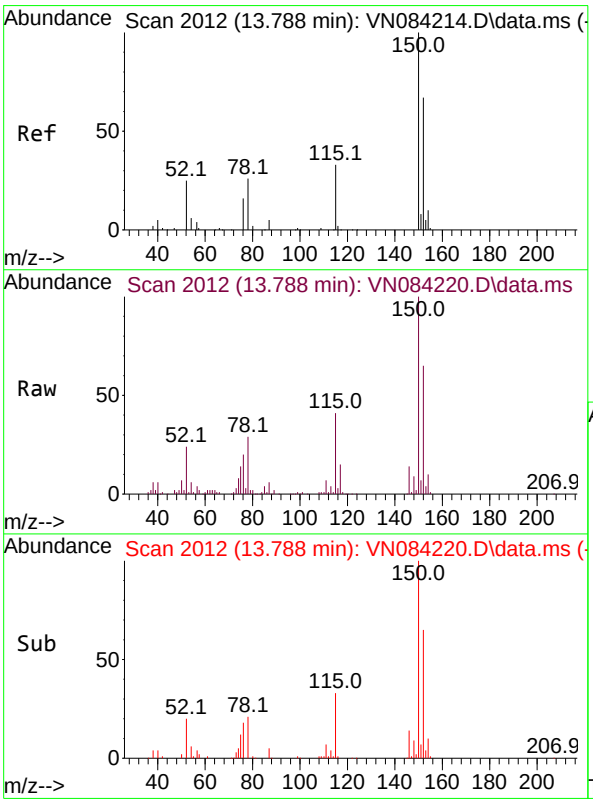
#71
Bromoform
Concen: 57.258 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:173 Resp: 84787

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0

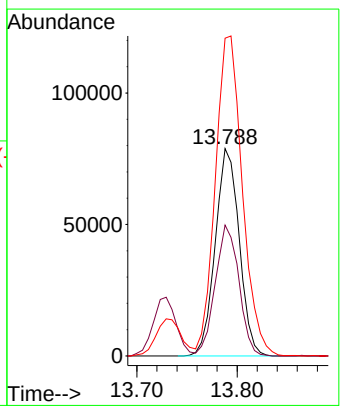


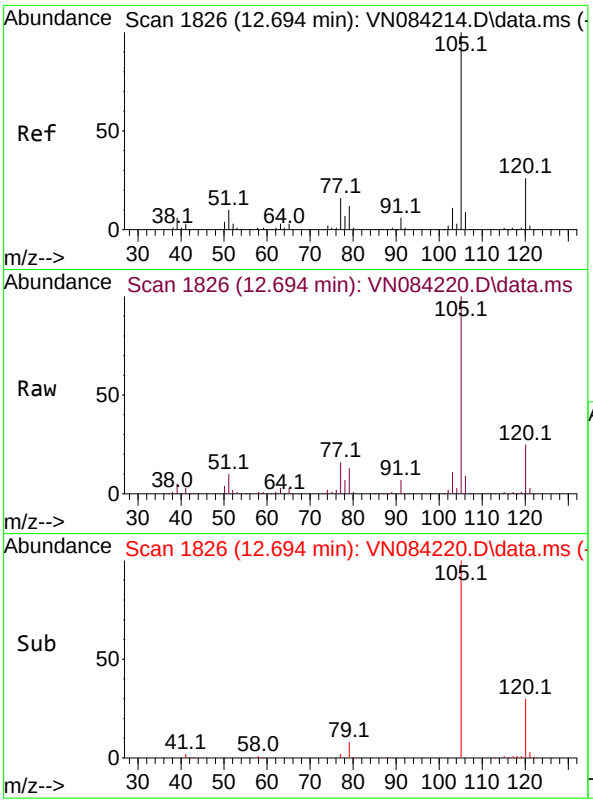


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:152 Resp: 130851

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	174.1	0.0	349.8



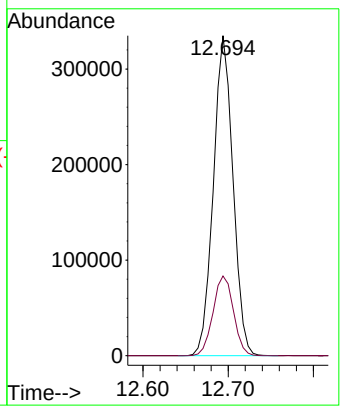


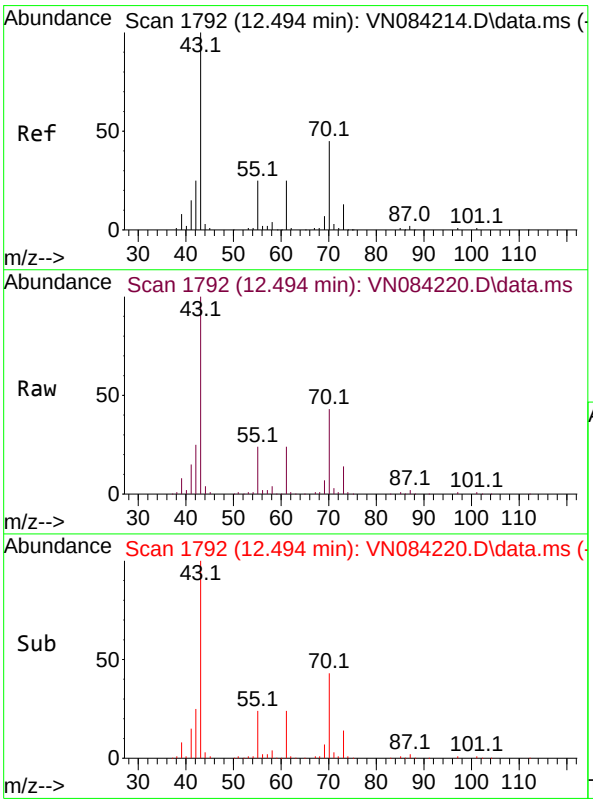
#73
Isopropylbenzene
Concen: 53.604 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:105 Resp: 535240

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

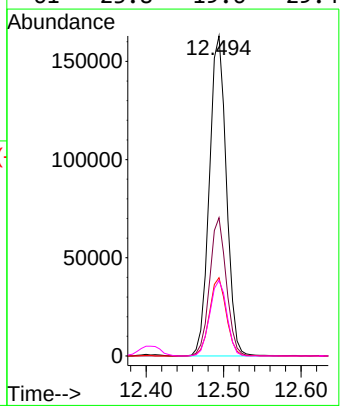


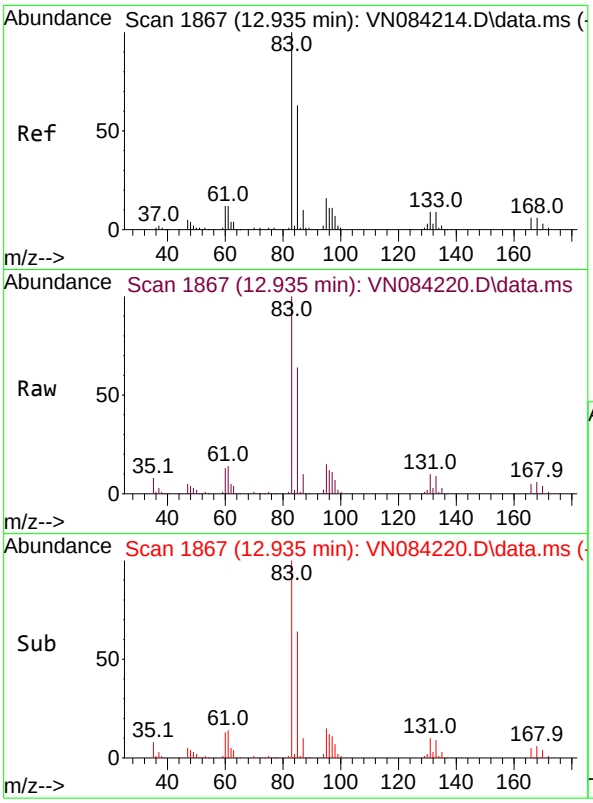


#74
N-amyl acetate
Concen: 55.118 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 249223

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.4	51.6
55	24.2	19.6	29.4
61	23.8	19.6	29.4



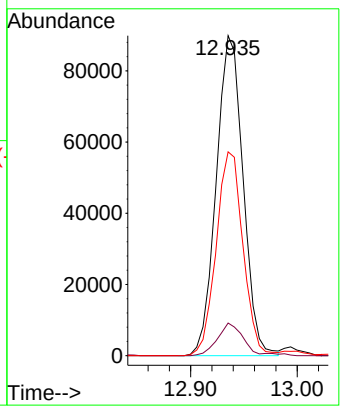


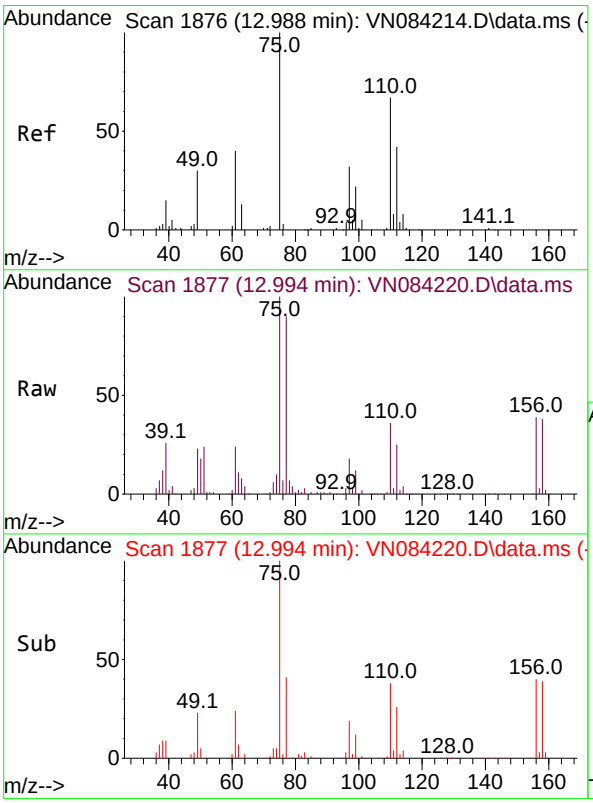
#75
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 83 Resp: 157322

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.6	31.9	95.7

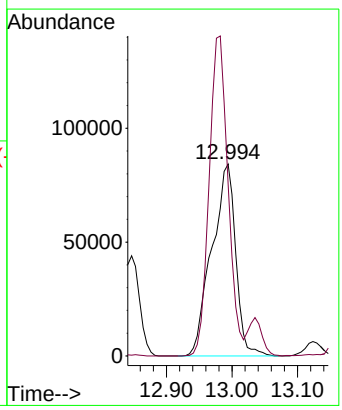


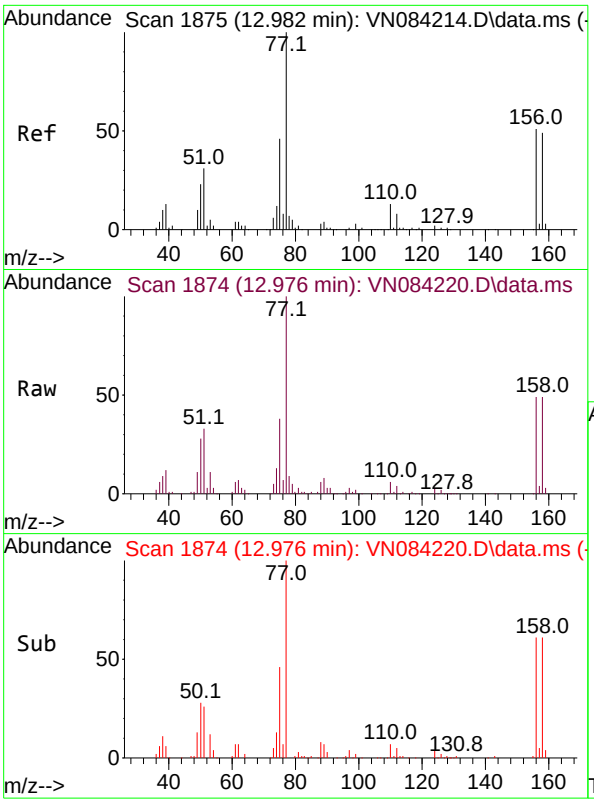


#76
1,2,3-Trichloropropane
Concen: 79.795 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 213162

Ion	Ratio	Lower	Upper
75	100		
77	131.8	96.9	290.7



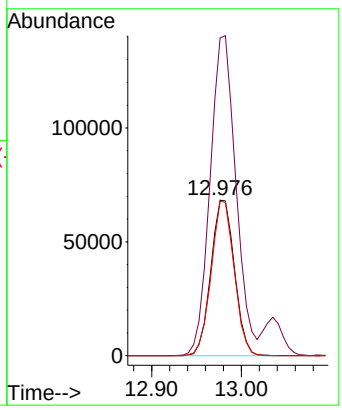


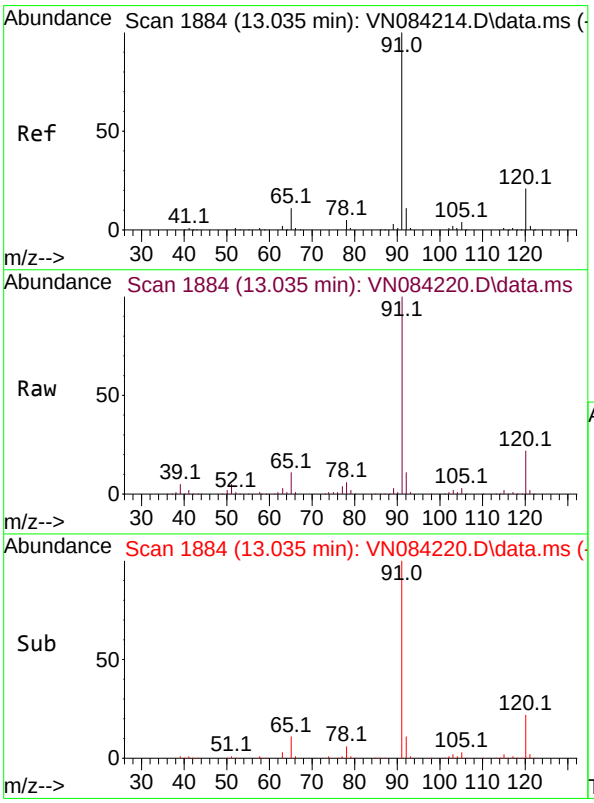
#77
Bromobenzene
Concen: 51.676 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:156 Resp: 124463

Ion	Ratio	Lower	Upper
156	100		
77	225.7	115.1	345.3
158	96.8	48.9	146.8

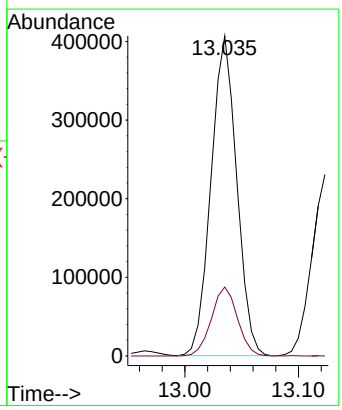


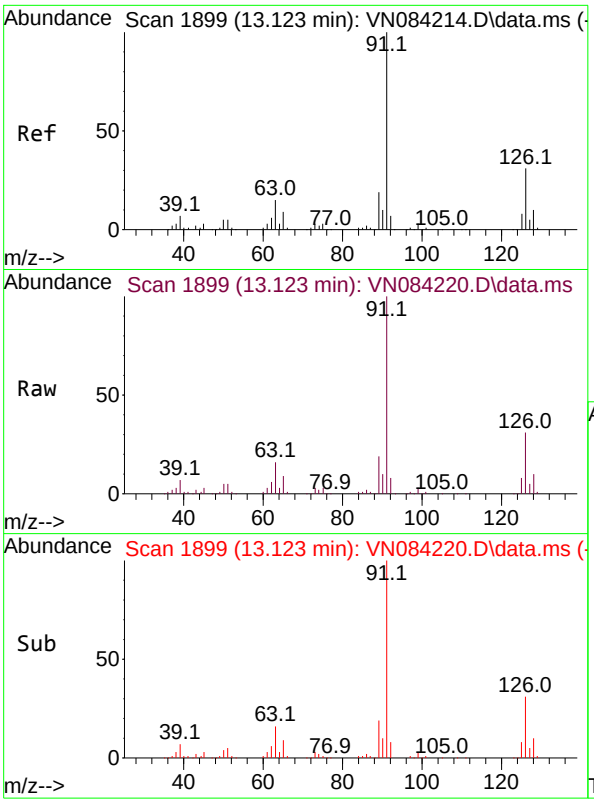


#78
n-propylbenzene
Concen: 55.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 638464

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



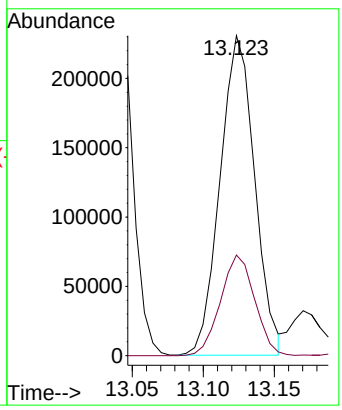


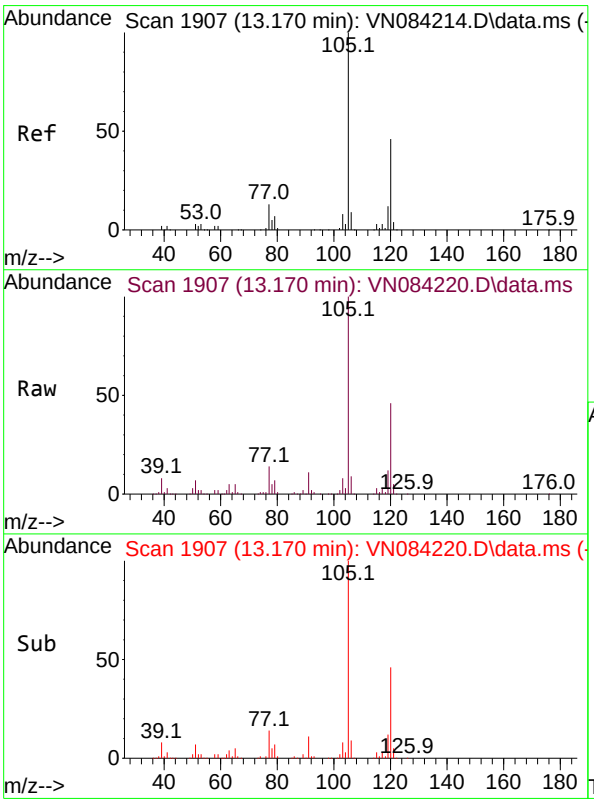
#79
2-Chlorotoluene
Concen: 52.898 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 390502

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1

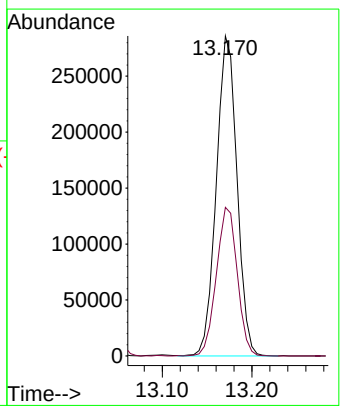


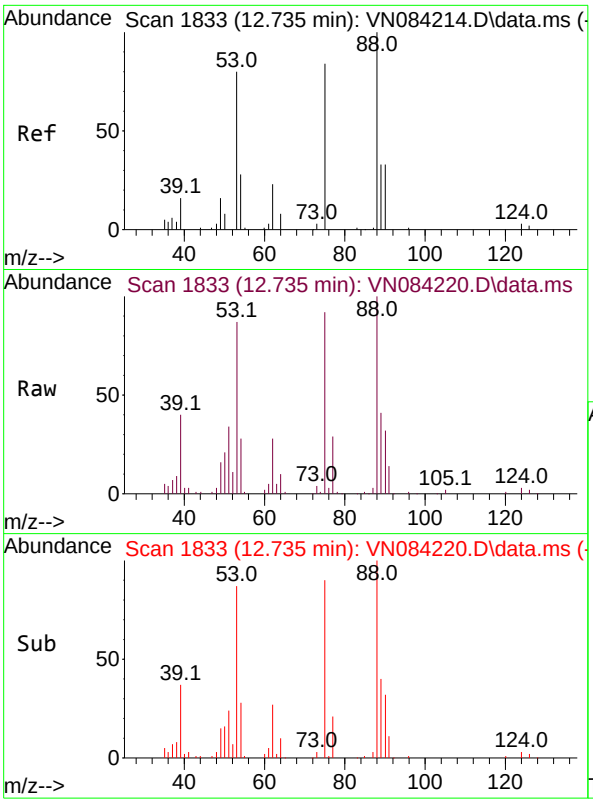


#80
1,3,5-Trimethylbenzene
Concen: 56.101 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 456943

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1



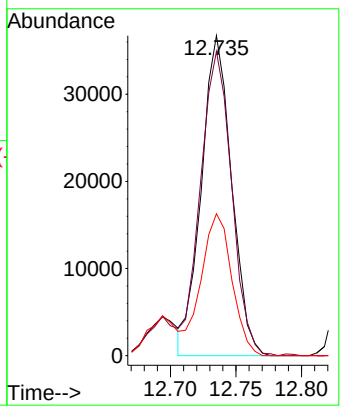


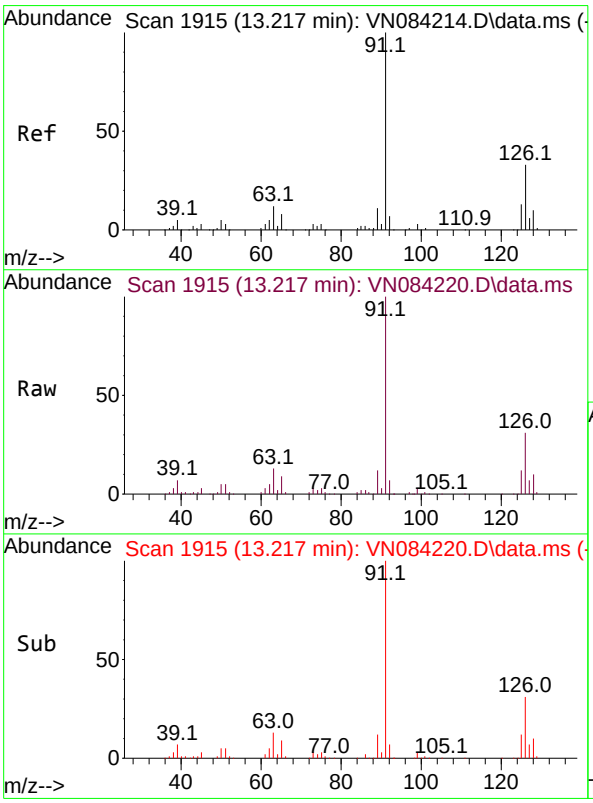
#81
trans-1,4-Dichloro-2-butene
Concen: 52.939 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 75 Resp: 58987

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	45.7	35.5	53.3

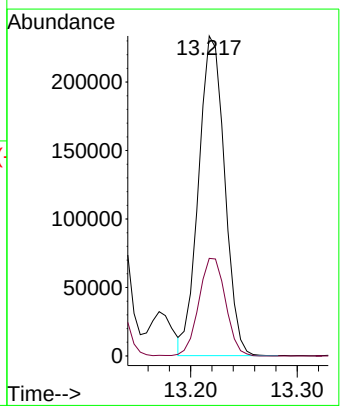


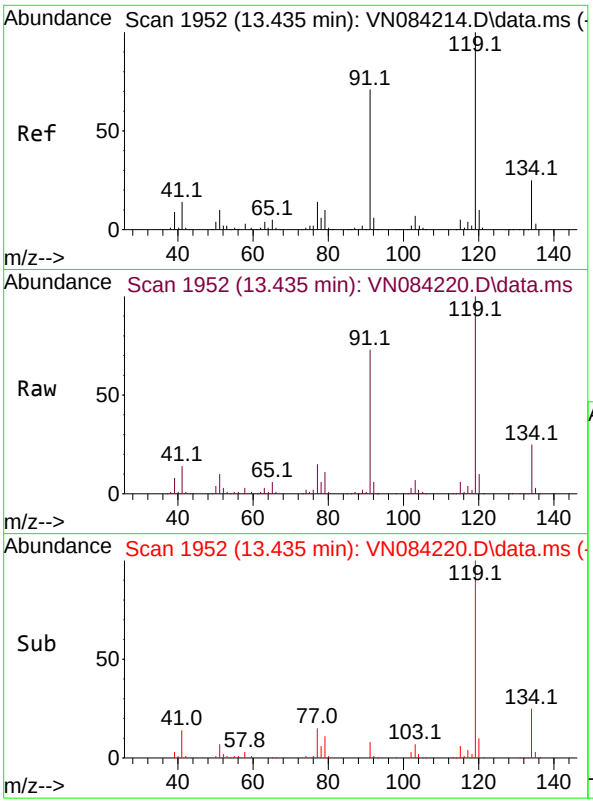


#82
4-Chlorotoluene
Concen: 53.455 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 397246

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



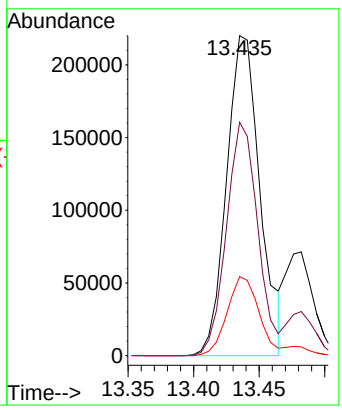


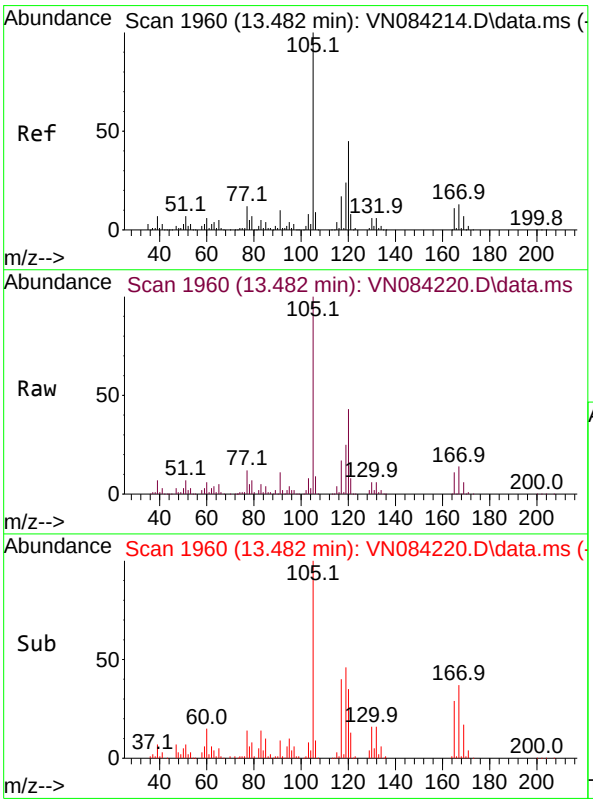
#83
tert-Butylbenzene
Concen: 53.903 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:119 Resp: 390221

Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.1	102.3
134	23.9	12.8	38.4

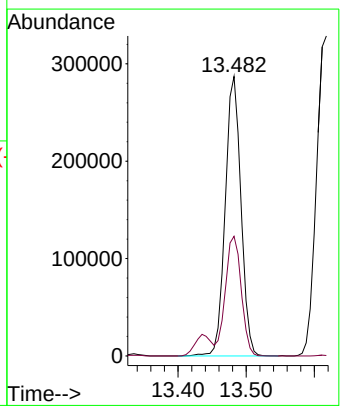


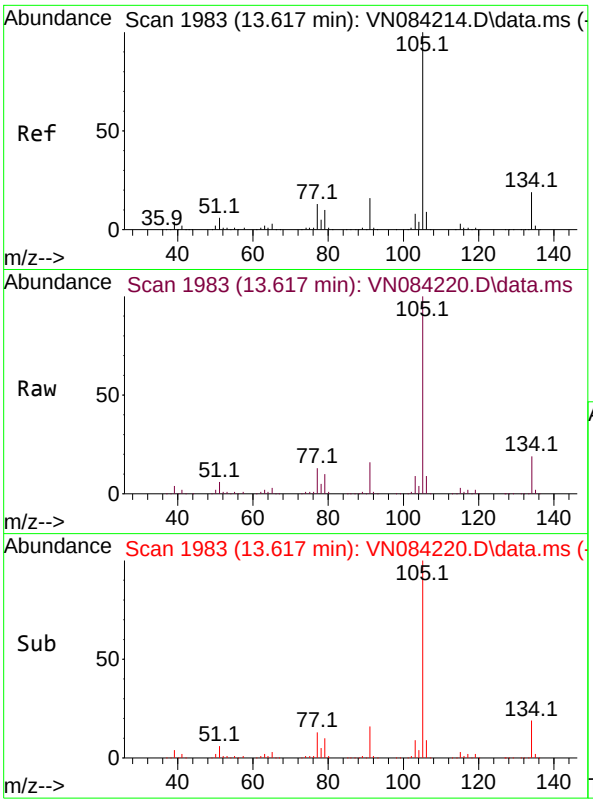


#84
1,2,4-Trimethylbenzene
Concen: 56.199 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 461123

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8



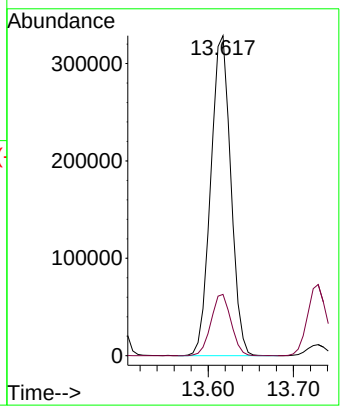


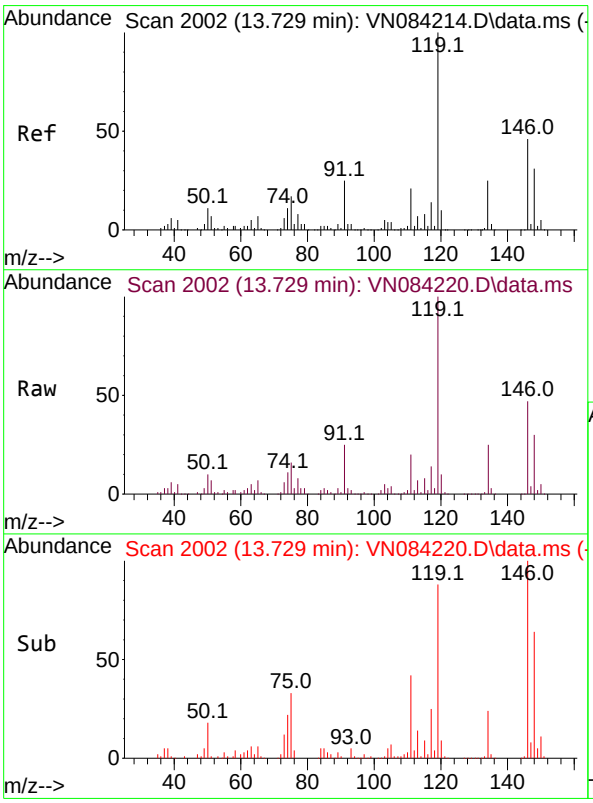
#85
sec-Butylbenzene
Concen: 55.556 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:105 Resp: 536685

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

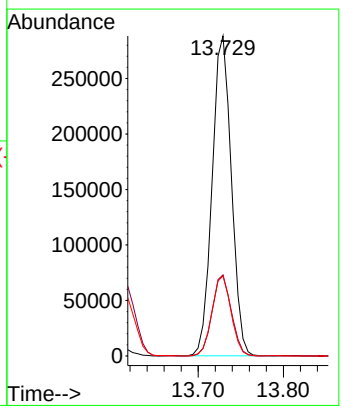


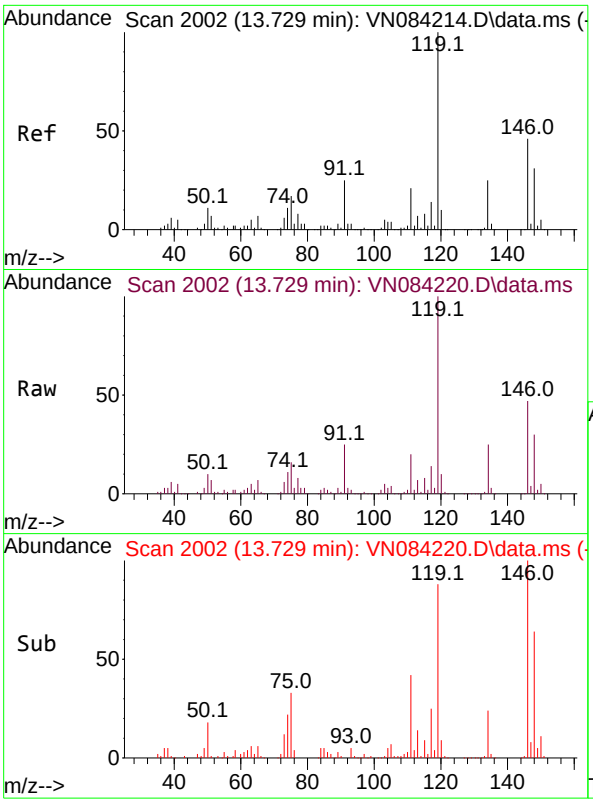


#86
p-Isopropyltoluene
Concen: 56.614 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:119 Resp: 452245

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	24.9	12.4	37.2



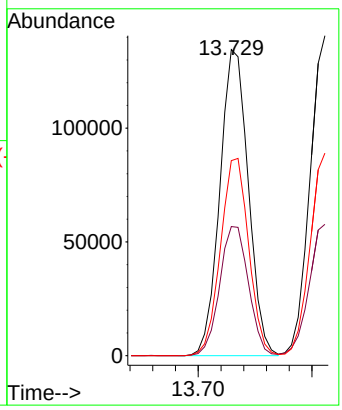


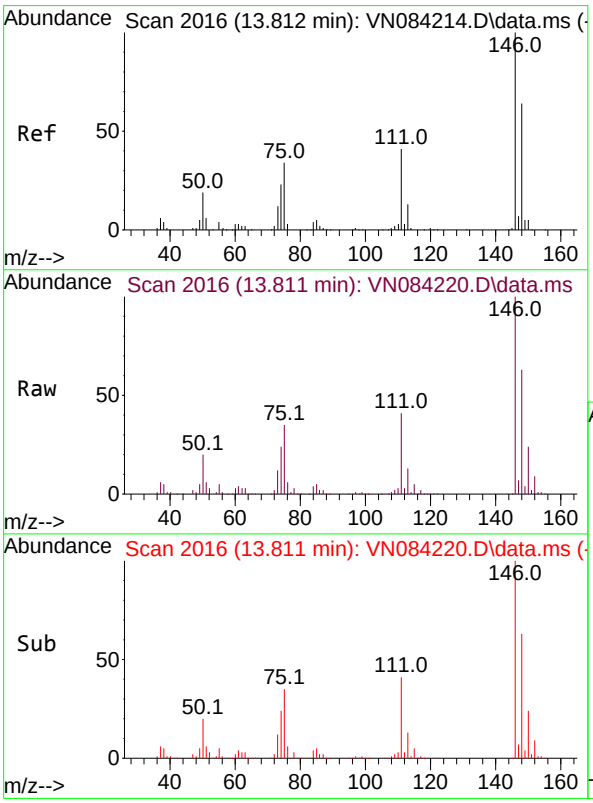
#87
1,3-Dichlorobenzene
Concen: 51.830 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:146 Resp: 234190

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.9	31.9	95.7

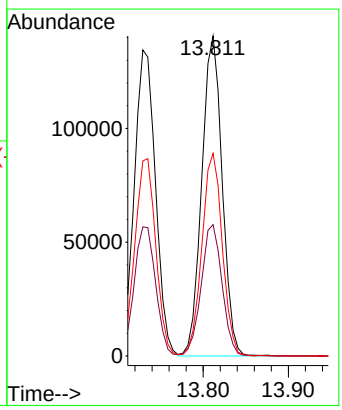


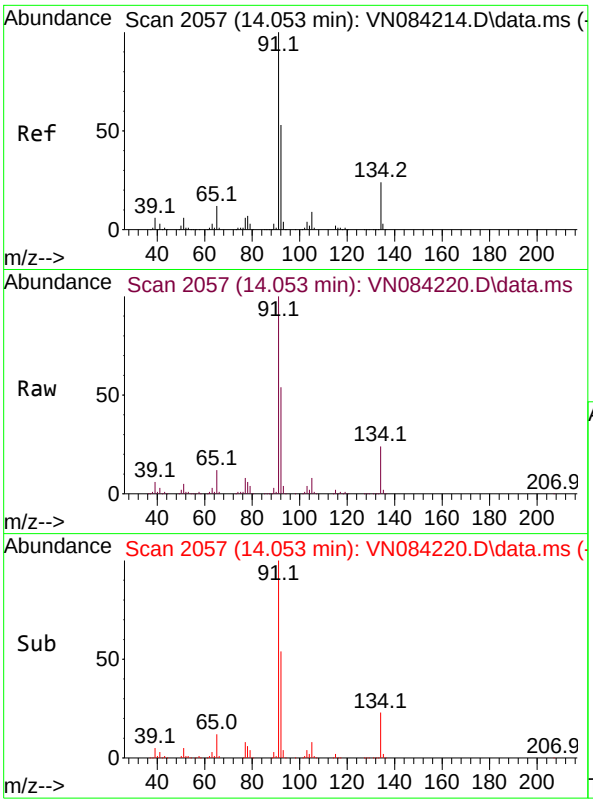


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 234070

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.2	31.9	95.9



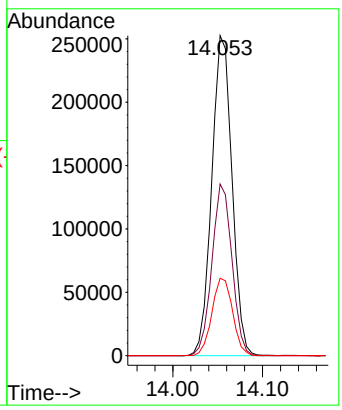


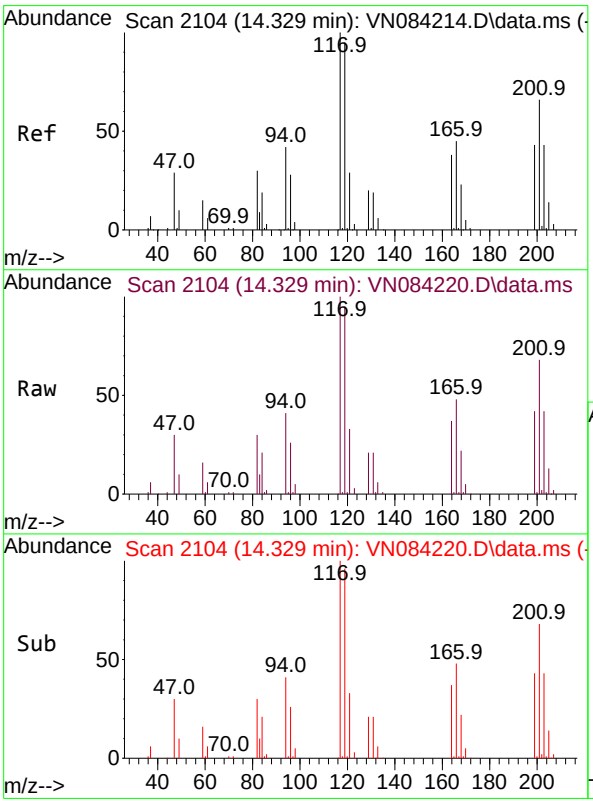
#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 396001

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.7	12.3	36.9

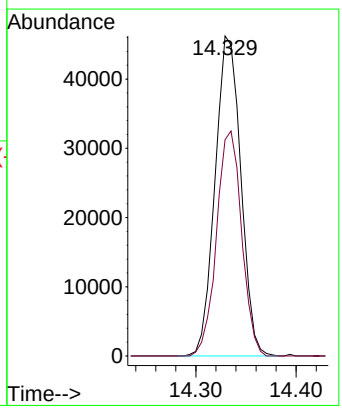


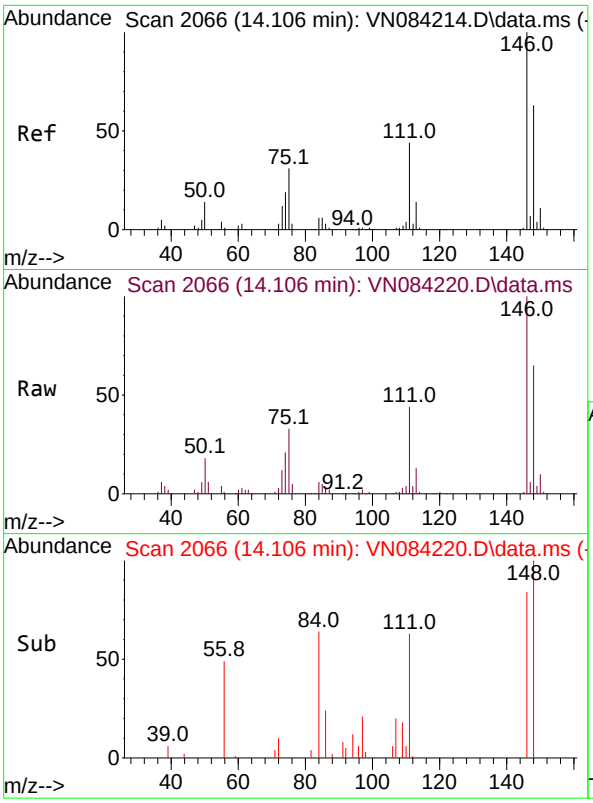


#90
Hexachloroethane
Concen: 50.795 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 82363

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2



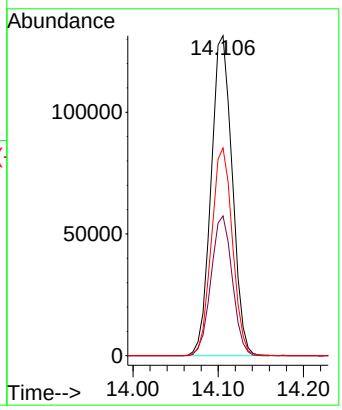


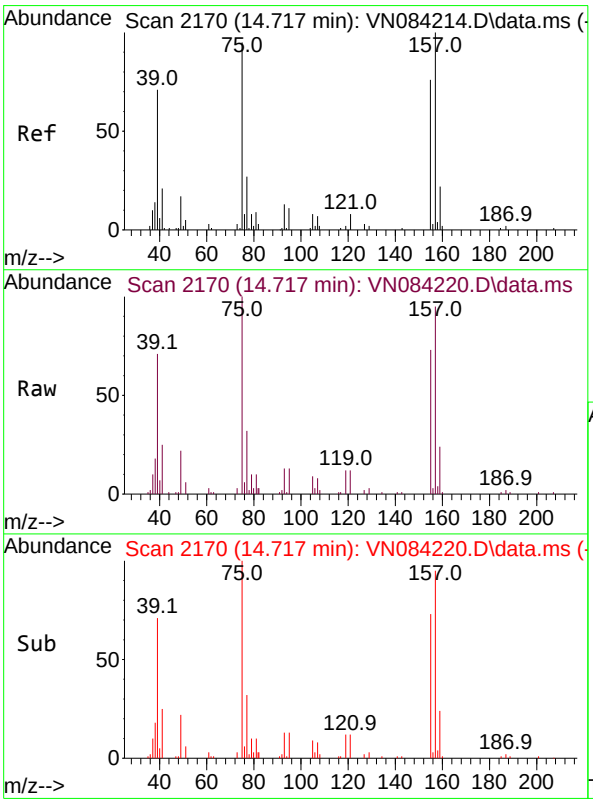
#91
1,2-Dichlorobenzene
Concen: 51.082 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:146 Resp: 226320

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.7	32.1	96.3

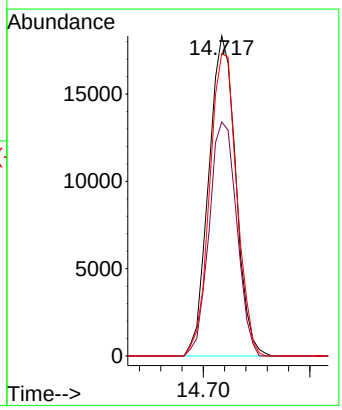


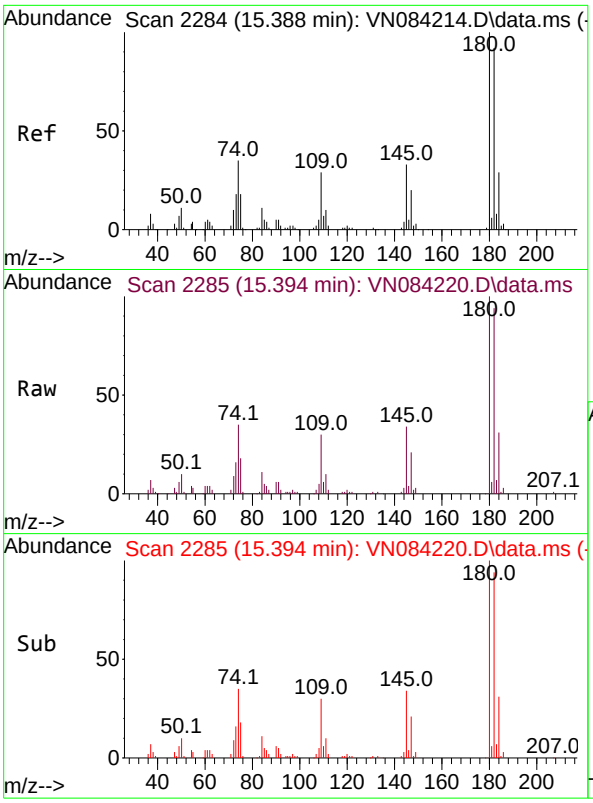


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 32296

Ion	Ratio	Lower	Upper
75	100		
155	74.4	38.1	114.5
157	94.7	49.6	149.0



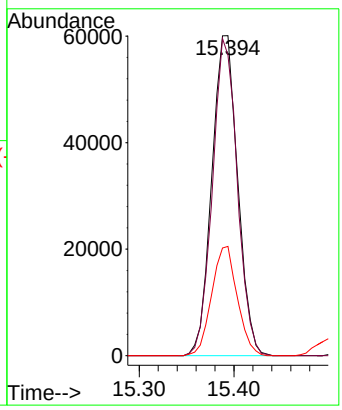


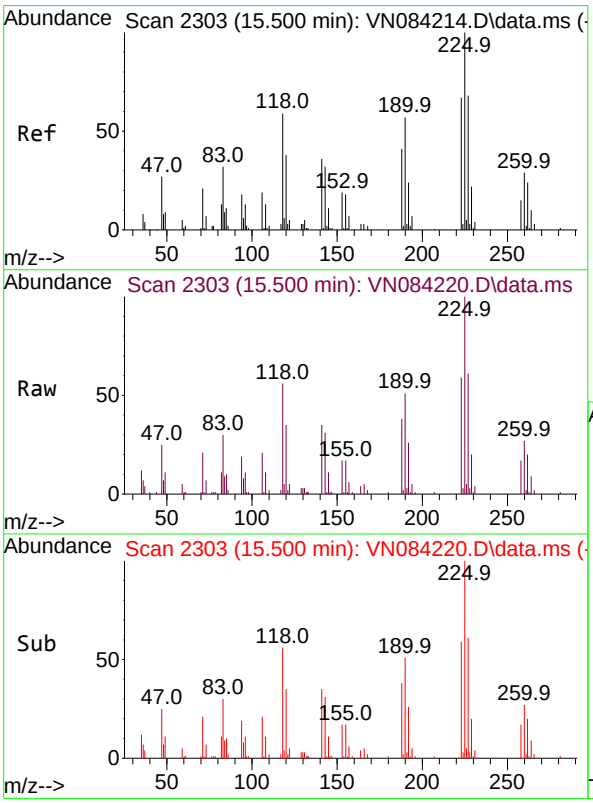
#93
1,2,4-Trichlorobenzene
Concen: 52.311 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:180 Resp: 114157

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	33.8	16.4	49.4

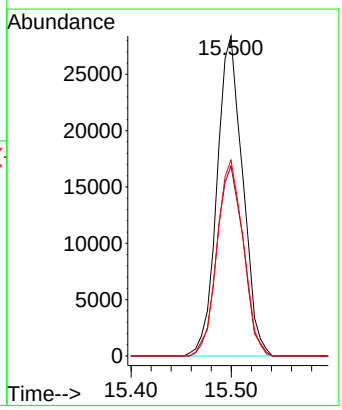


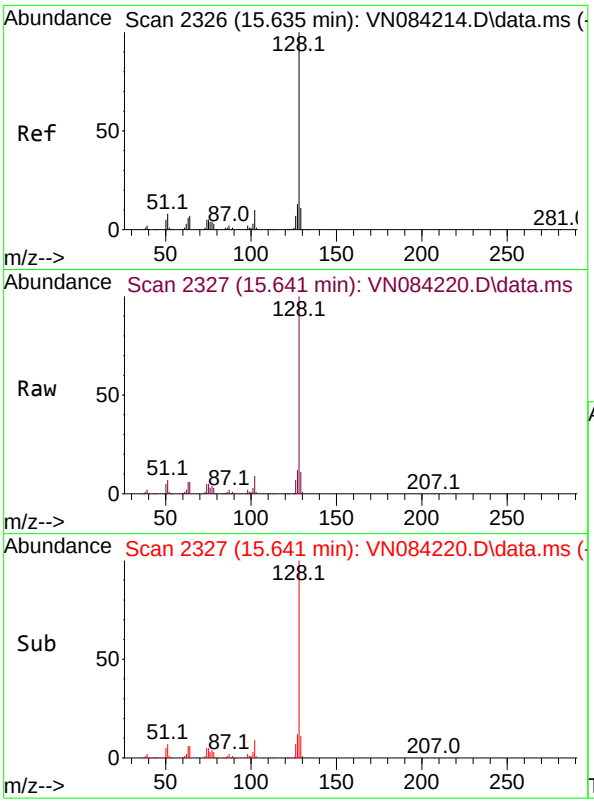


#94
Hexachlorobutadiene
Concen: 46.368 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:225 Resp: 50461

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	62.7	32.4	97.0



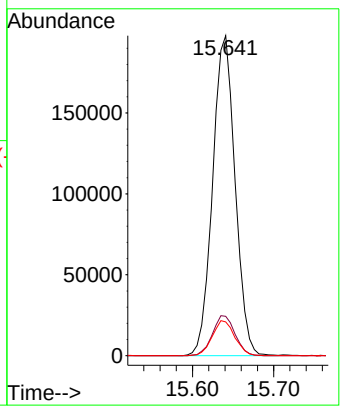


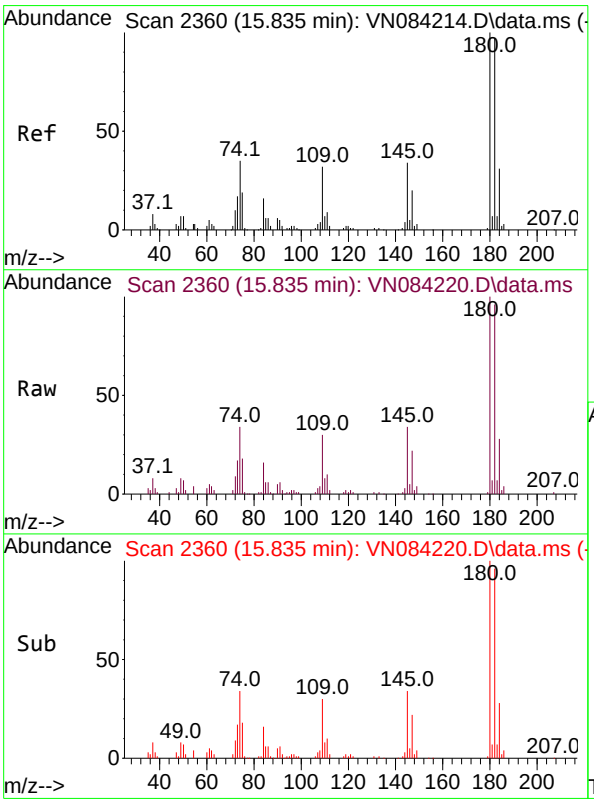
#95
Naphthalene
Concen: 52.602 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:128 Resp: 380549

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.7	13.1

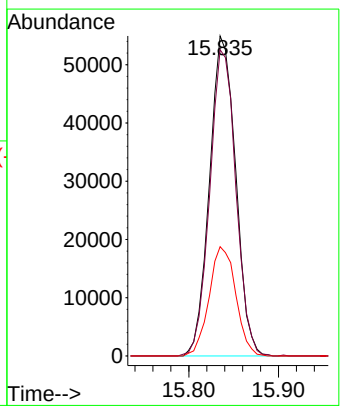




#96
1,2,3-Trichlorobenzene
Concen: 50.853 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:180 Resp: 111086

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	34.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	182036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136646	50.628	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	8.165	113	111177	55.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.040%			
50) Toluene-d8	10.565	98	393204	52.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.847	95	151926	56.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	78372	36.398	ug/l	94
3) Chloromethane	2.359	50	97478	39.648	ug/l	96
4) Vinyl Chloride	2.512	62	101959	42.813	ug/l	99
5) Bromomethane	2.954	94	65216	41.516	ug/l	98
6) Chloroethane	3.118	64	68025	39.884	ug/l	98
7) Trichlorofluoromethane	3.501	101	175700	47.378	ug/l	99
8) Diethyl Ether	3.959	74	66547	48.384	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	103796	48.848	ug/l	99
10) Methyl Iodide	4.589	142	132208	48.314	ug/l	99
11) Tert butyl alcohol	5.518	59	102421	230.135	ug/l	99
12) 1,1-Dichloroethene	4.342	96	99299	48.448	ug/l	99
13) Acrolein	4.177	56	119107	233.122	ug/l	99
14) Allyl chloride	5.024	41	159978	44.943	ug/l	99
15) Acrylonitrile	5.718	53	283323	252.096	ug/l	99
16) Acetone	4.424	43	332361	286.656	ug/l	99
17) Carbon Disulfide	4.712	76	262424	40.440	ug/l	97
18) Methyl Acetate	5.024	43	127400	50.414	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	361709	52.287	ug/l	97
20) Methylene Chloride	5.277	84	116230	49.315	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	106580	49.634	ug/l	97
22) Diisopropyl ether	6.671	45	377582	51.282	ug/l	97
23) Vinyl Acetate	6.600	43	1413227	258.787	ug/l	99
24) 1,1-Dichloroethane	6.565	63	209603	50.906	ug/l	99
25) 2-Butanone	7.483	43	419219	265.466	ug/l	100
26) 2,2-Dichloropropane	7.489	77	188590	50.799	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	131412	50.644	ug/l	98
28) Bromochloromethane	7.812	49	90237	49.119	ug/l	97
29) Tetrahydrofuran	7.836	42	244782	251.177	ug/l	97
30) Chloroform	7.965	83	220877	51.643	ug/l	97
31) Cyclohexane	8.253	56	172359	43.113	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	194610	50.664	ug/l	99
36) 1,1-Dichloropropene	8.371	75	149163	50.818	ug/l	99
37) Ethyl Acetate	7.553	43	154236	51.219	ug/l	99
38) Carbon Tetrachloride	8.359	117	166783	51.799	ug/l	98
39) Methylcyclohexane	9.600	83	164018	50.207	ug/l	98
40) Benzene	8.606	78	476364	52.089	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	83663	51.176	ug/l		96
42) 1,2-Dichloroethane	8.665	62	161416	52.064	ug/l		99
43) Isopropyl Acetate	8.683	43	291182	49.368	ug/l		98
44) Trichloroethene	9.353	130	110560	51.762	ug/l		99
45) 1,2-Dichloropropane	9.618	63	116927	54.048	ug/l		98
46) Dibromomethane	9.706	93	81712	55.969	ug/l		98
47) Bromodichloromethane	9.888	83	176433	54.395	ug/l	#	97
48) Methyl methacrylate	9.677	41	122412	52.136	ug/l		98
49) 1,4-Dioxane	9.694	88	42259	977.637	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	786274	274.285	ug/l		99
52) Toluene	10.630	92	301445	54.054	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	181476	54.888	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	195885	55.080	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	111558	55.801	ug/l		96
56) Ethyl methacrylate	10.871	69	185958	56.529	ug/l		98
57) 1,3-Dichloropropane	11.159	76	194415	54.423	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	421419	276.155	ug/l		99
59) 2-Hexanone	11.194	43	603310	281.584	ug/l		99
60) Dibromochloromethane	11.359	129	133861	56.669	ug/l		99
61) 1,2-Dibromoethane	11.465	107	113691	54.729	ug/l		100
64) Tetrachloroethene	11.100	164	97893	51.180	ug/l		96
65) Chlorobenzene	11.888	112	322959	53.042	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	112949	53.856	ug/l		98
67) Ethyl Benzene	11.965	91	575865	53.480	ug/l		99
68) m/p-Xylenes	12.071	106	442765	111.160	ug/l		100
69) o-Xylene	12.394	106	207862	55.158	ug/l		98
70) Styrene	12.406	104	367629	57.594	ug/l		98
71) Bromoform	12.576	173	87003	56.348	ug/l	#	97
73) Isopropylbenzene	12.694	105	543431	51.385	ug/l		99
74) N-amyl acetate	12.494	43	237218	49.533	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	160145	50.359	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	214548	75.829	ug/l		60
77) Bromobenzene	12.976	156	131034	51.366	ug/l		95
78) n-propylbenzene	13.035	91	649179	52.981	ug/l		99
79) 2-Chlorotoluene	13.123	91	396945	50.768	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	464199	53.809	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	65645	55.624	ug/l		90
82) 4-Chlorotoluene	13.218	91	406014	51.584	ug/l		98
83) tert-Butylbenzene	13.435	119	376330	49.081	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	465072	53.515	ug/l		100
85) sec-Butylbenzene	13.612	105	544439	53.211	ug/l		99
86) p-Isopropyltoluene	13.729	119	456315	53.933	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	243161	50.810	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	241454	49.961	ug/l		100
89) n-Butylbenzene	14.053	91	404862	52.772	ug/l		100
90) Hexachloroethane	14.329	117	84136	48.991	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	233253	49.707	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30813	46.955	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	120724	52.231	ug/l		99
94) Hexachlorobutadiene	15.500	225	54186	47.010	ug/l		98
95) Naphthalene	15.635	128	381581	49.799	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	117270	50.686	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

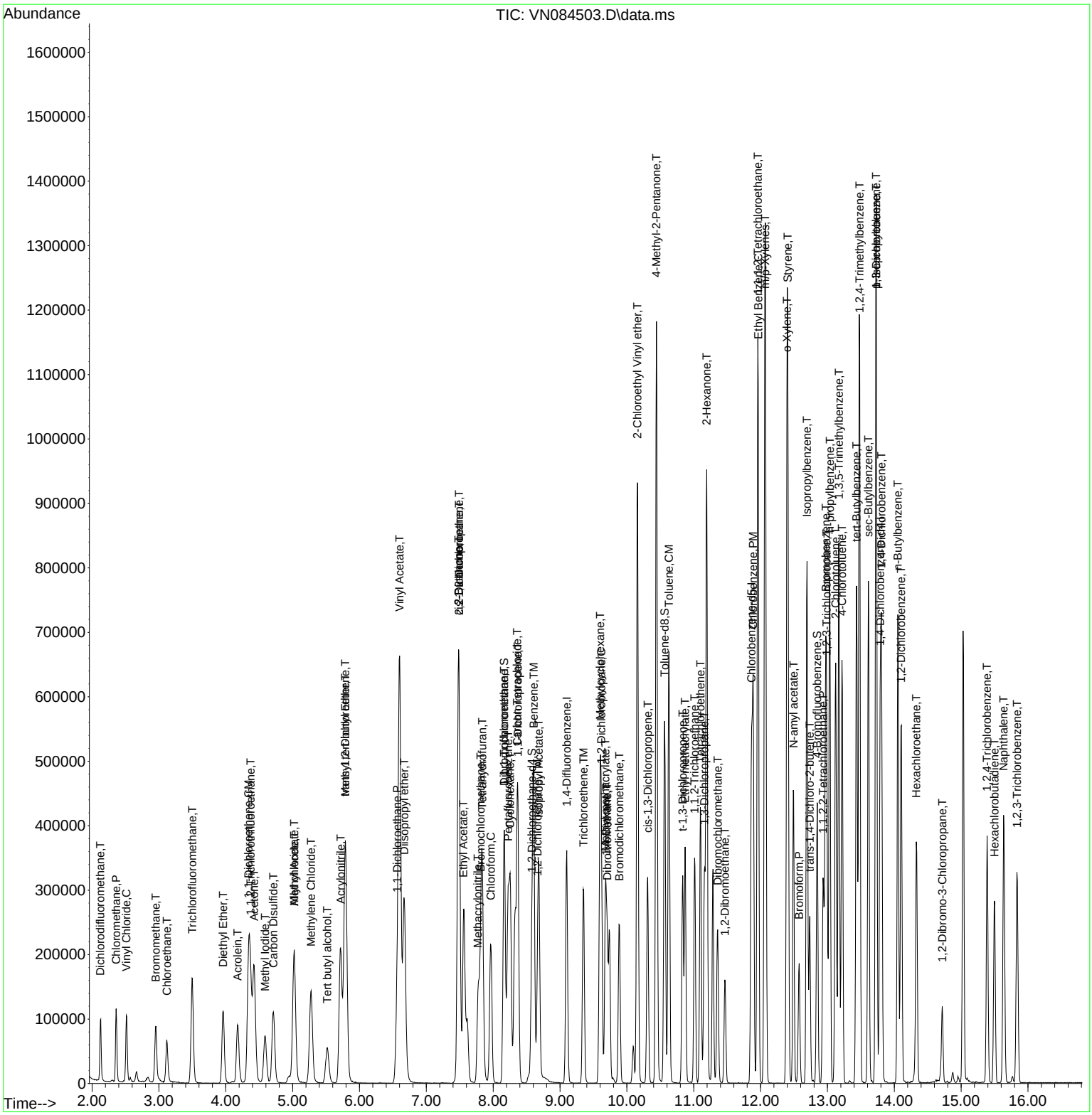
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

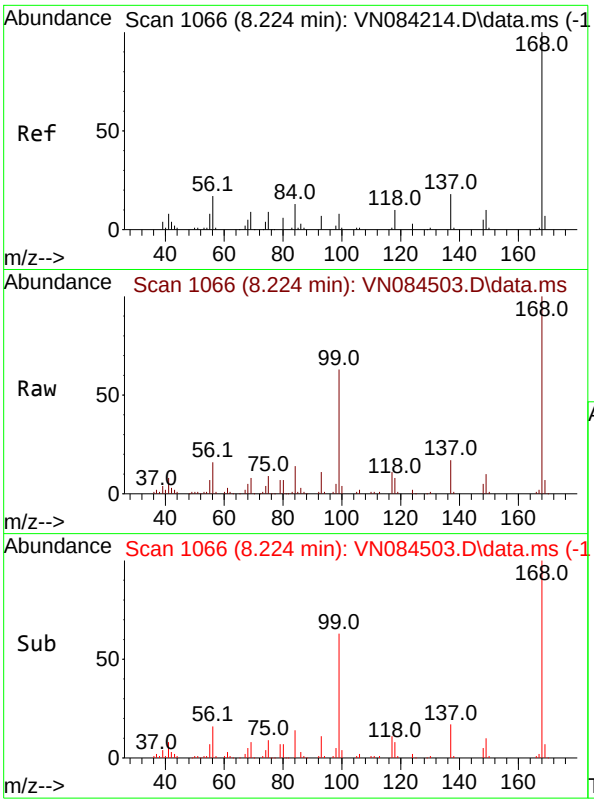
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084503.D
Acq On : 25 Oct 2024 08:59
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 25 23:26:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



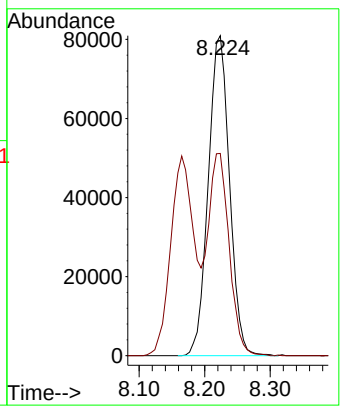


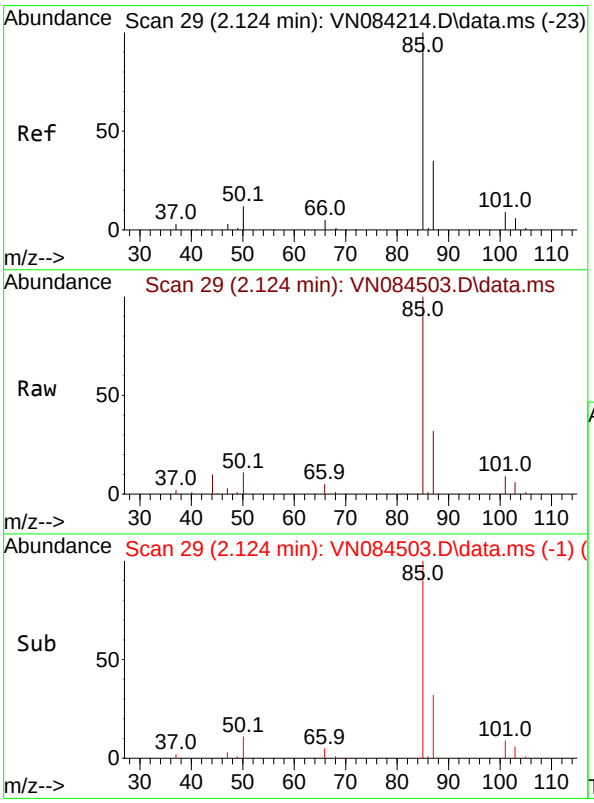
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 182036

Ion	Ratio	Lower	Upper
168	100		
99	63.0	54.2	81.2

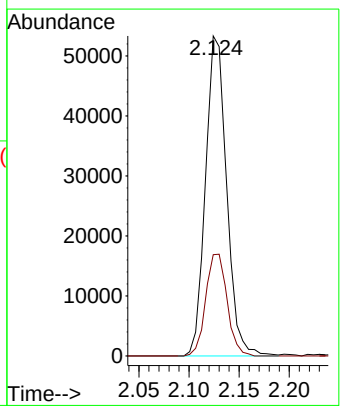


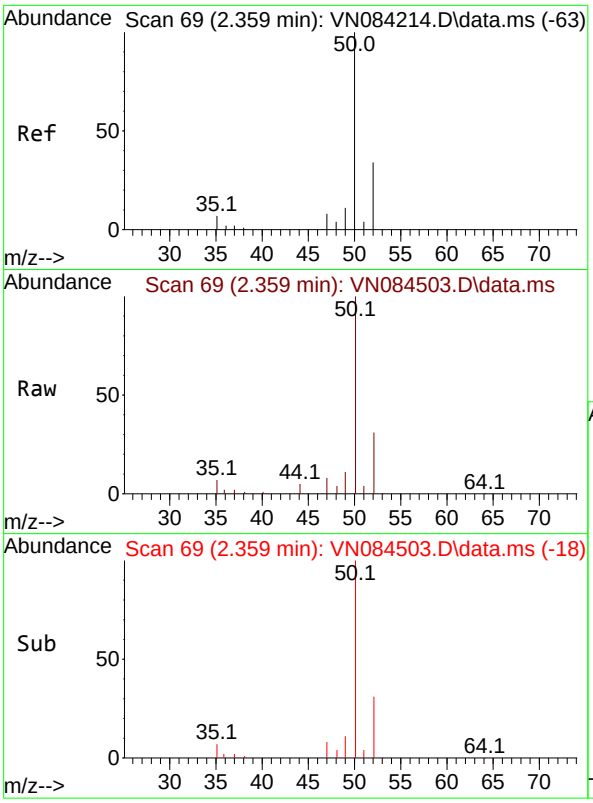


#2
Dichlorodifluoromethane
Concen: 36.398 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 85 Resp: 78372

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9



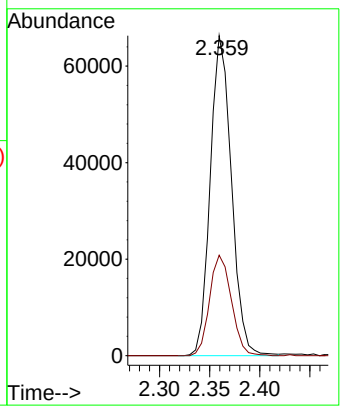


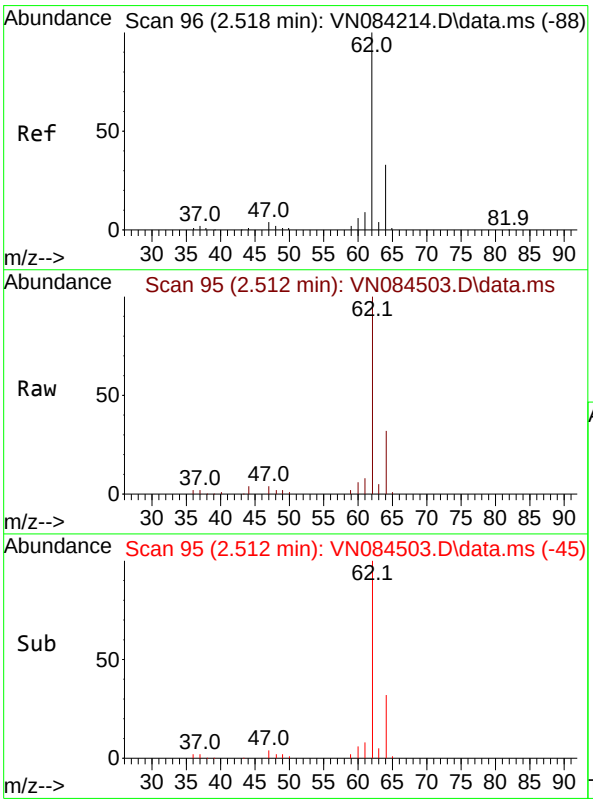
#3
Chloromethane
Concen: 39.648 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 97478

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.8	40.2

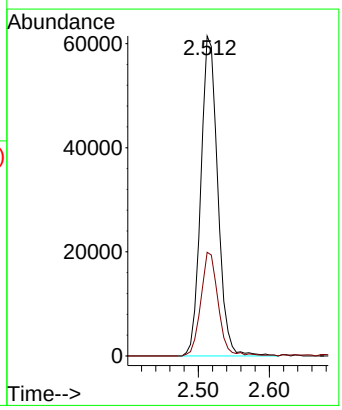


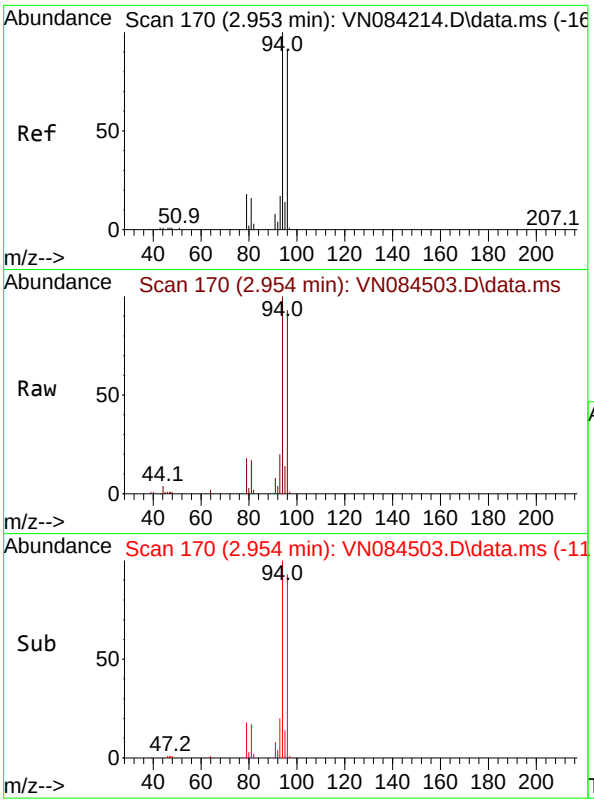


#4
Vinyl Chloride
Concen: 42.813 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 62 Resp: 101959

Ion	Ratio	Lower	Upper
62	100		
64	32.4	26.2	39.4



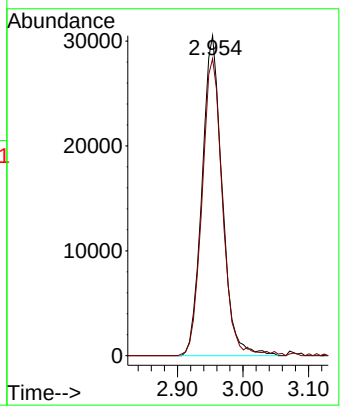


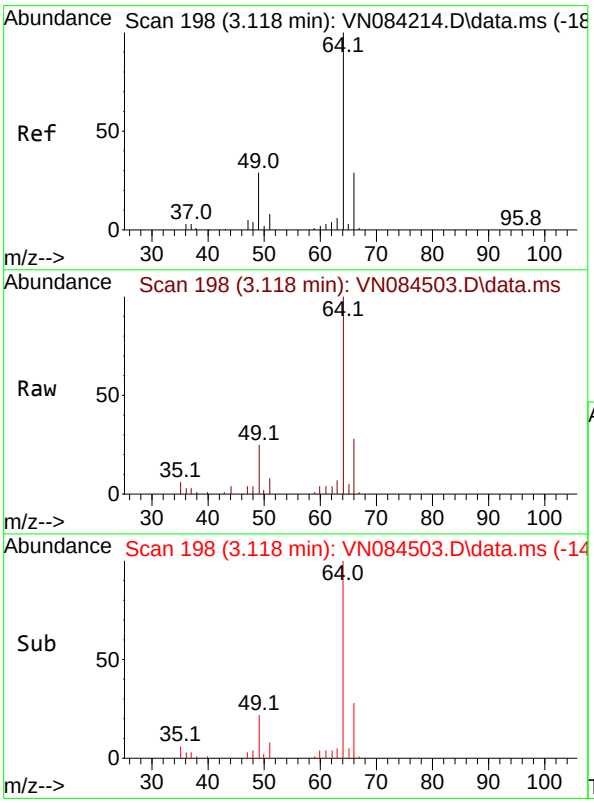
#5
Bromomethane
Concen: 41.516 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 65216

Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.9	109.3

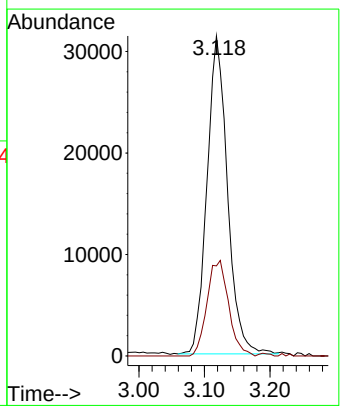


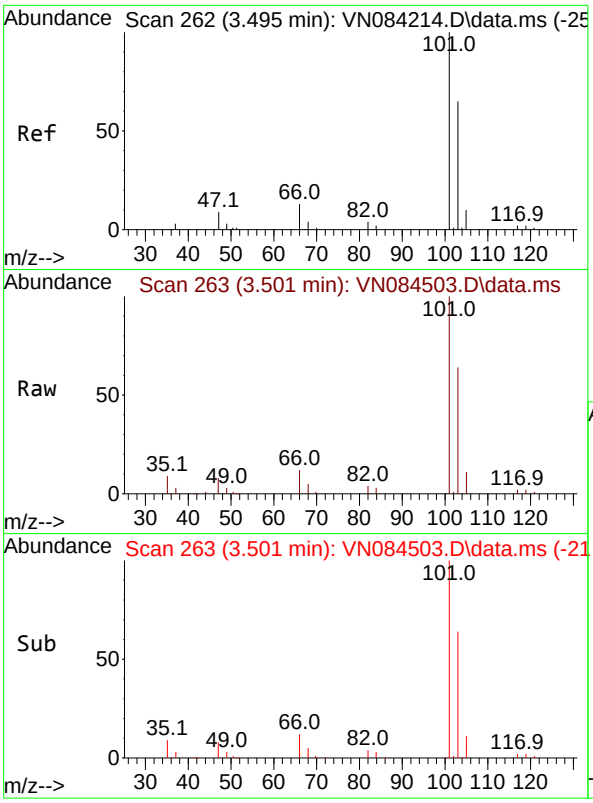


#6
Chloroethane
Concen: 39.884 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 64 Resp: 68025

Ion	Ratio	Lower	Upper
64	100		
66	28.3	23.5	35.3



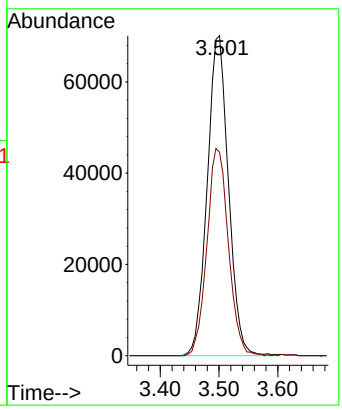


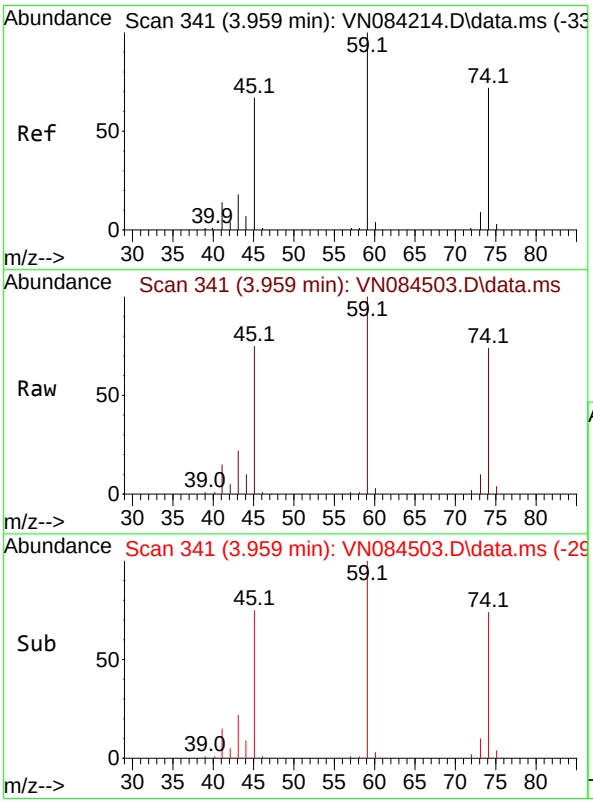
#7
Trichlorofluoromethane
Concen: 47.378 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 175700

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.6

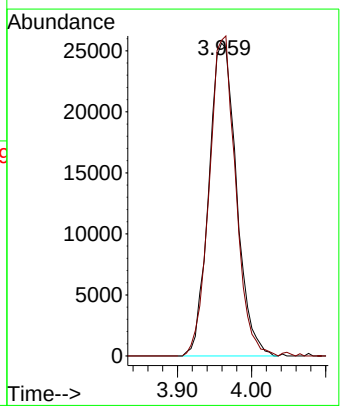


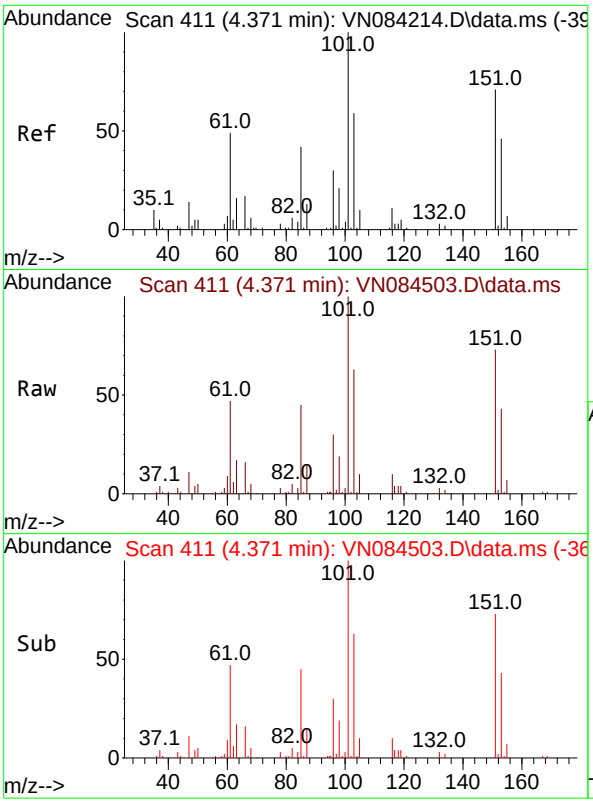


#8
Diethyl Ether
Concen: 48.384 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 74 Resp: 66547

Ion	Ratio	Lower	Upper
74	100		
45	97.3	47.7	143.1



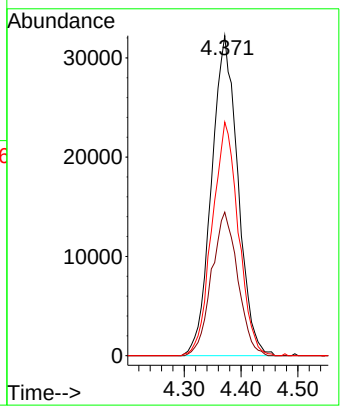


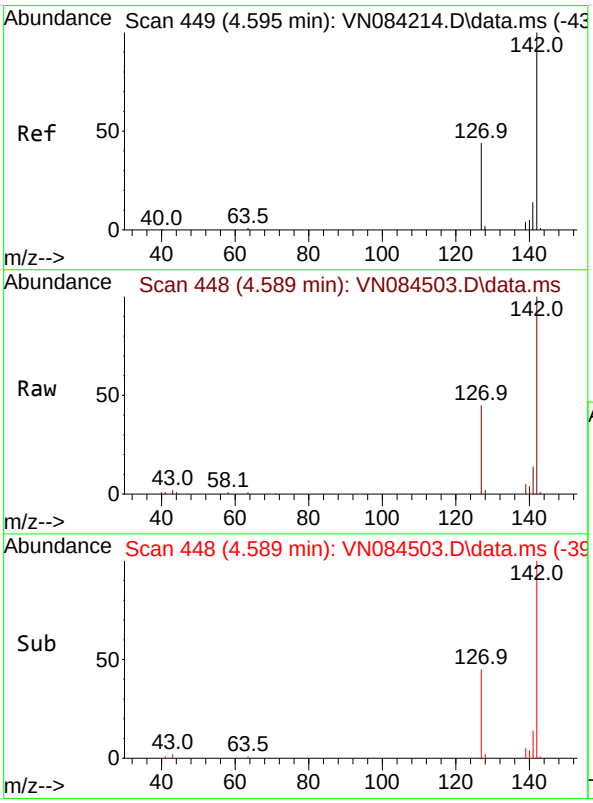
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.848 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 103796

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	72.9	59.3	88.9

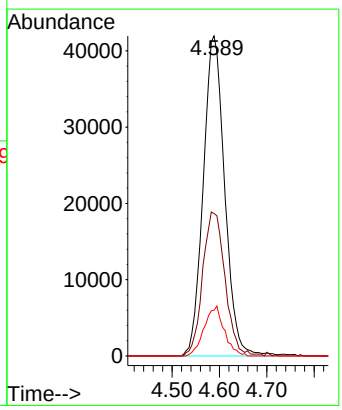


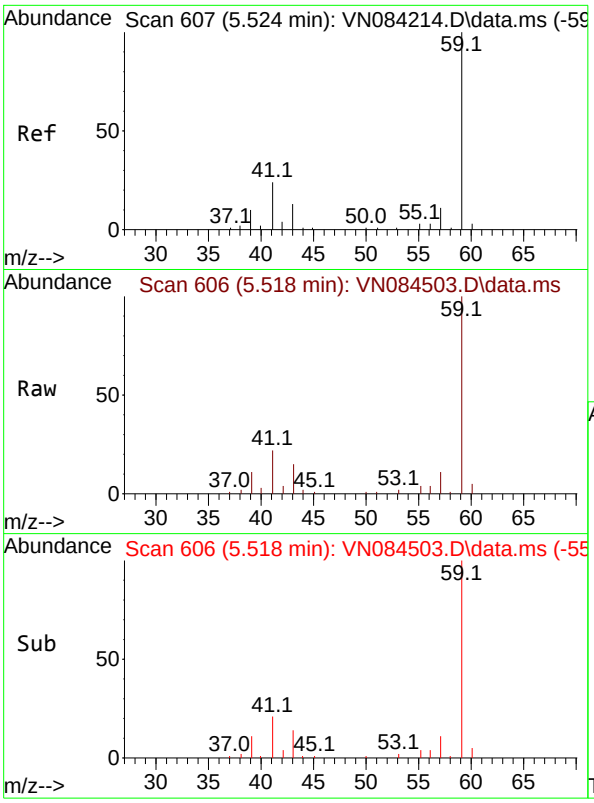


#10
Methyl Iodide
Concen: 48.314 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:142 Resp: 132208

Ion	Ratio	Lower	Upper
142	100		
127	44.5	35.3	52.9
141	14.3	11.0	16.6



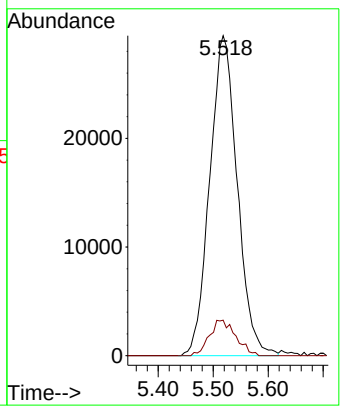


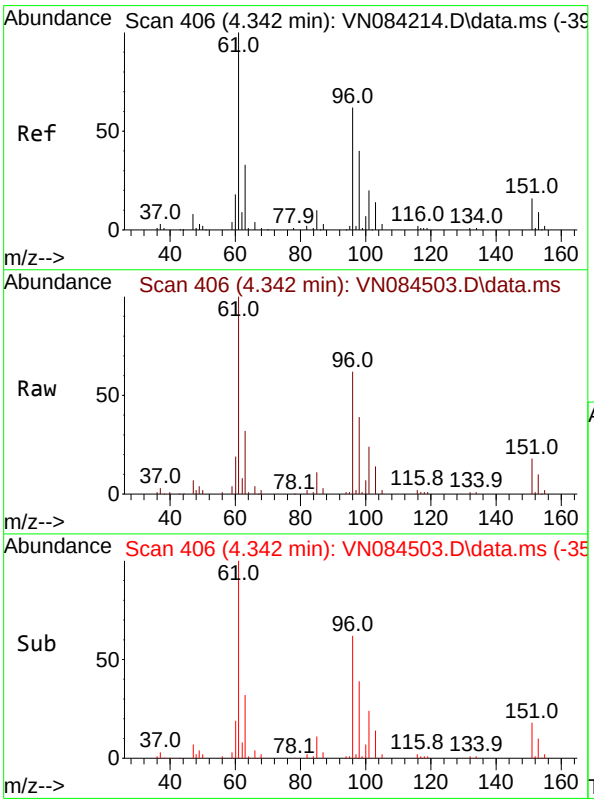
#11
Tert butyl alcohol
Concen: 230.135 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 102421

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

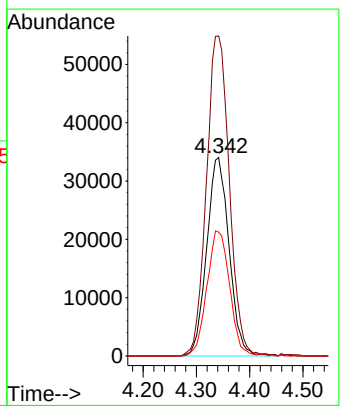


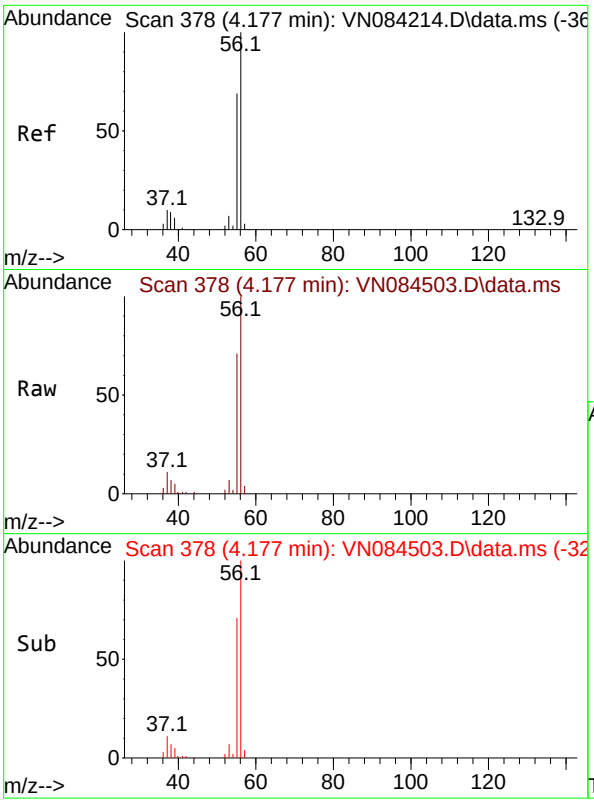


#12
1,1-Dichloroethene
Concen: 48.448 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 96 Resp: 99299

Ion	Ratio	Lower	Upper
96	100		
61	161.3	128.6	192.8
98	62.5	51.7	77.5



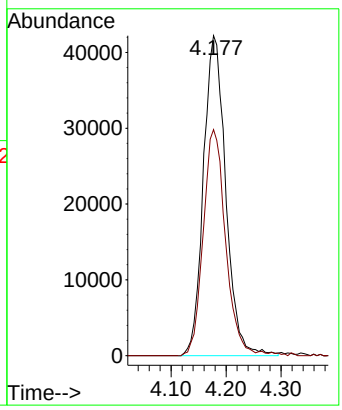


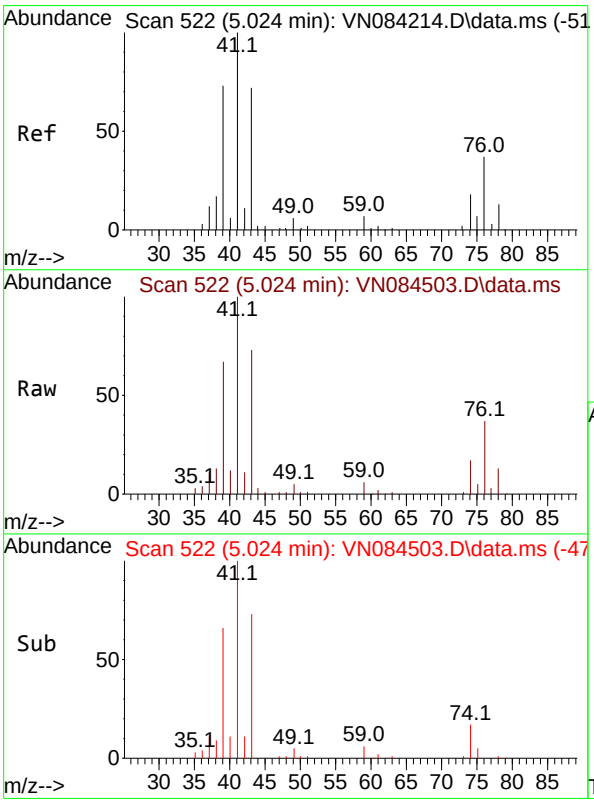
#13
Acrolein
Concen: 233.122 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 119107

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8

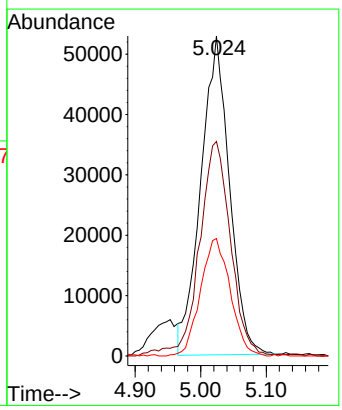


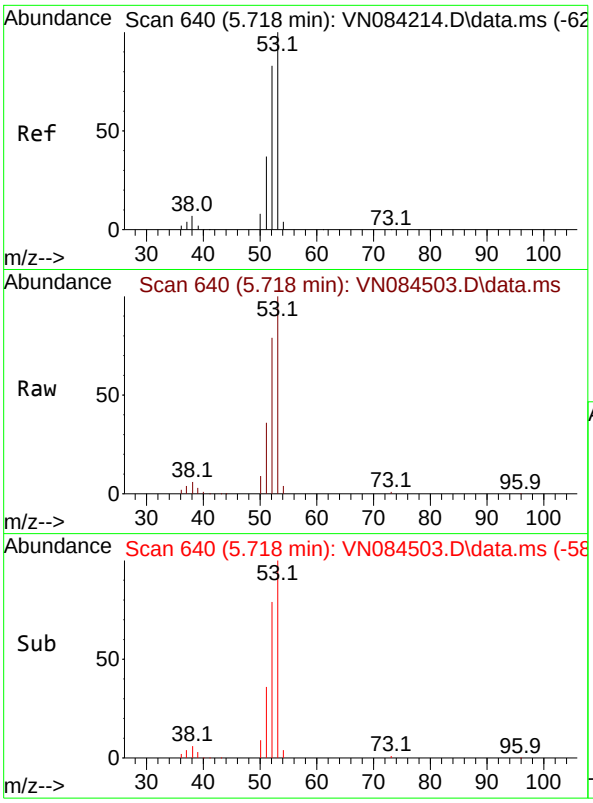


#14
Allyl chloride
Concen: 44.943 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 159978

Ion	Ratio	Lower	Upper
41	100		
39	73.4	59.0	88.6
76	38.4	29.8	44.6



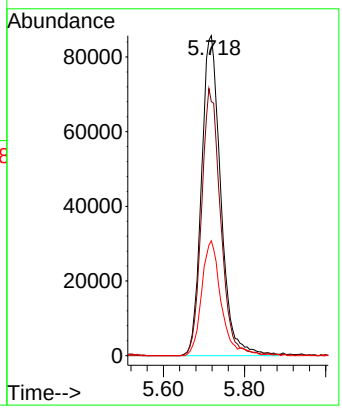


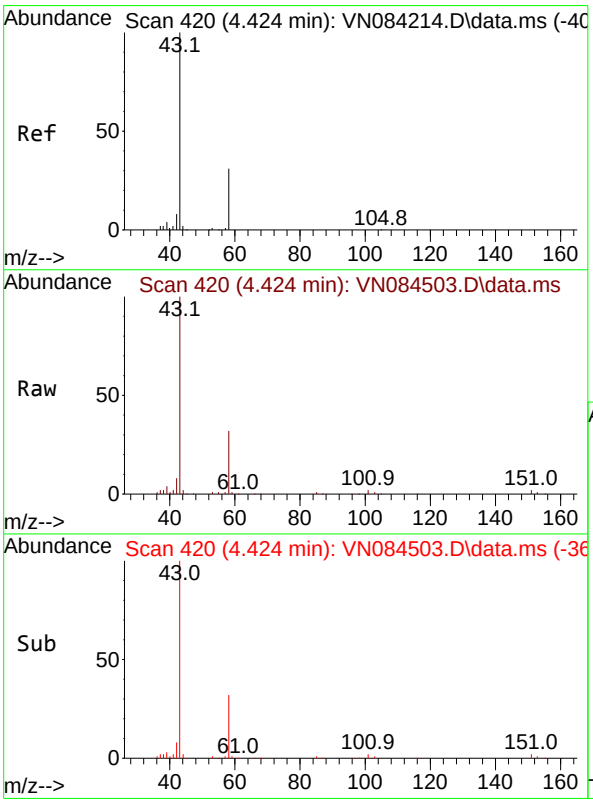
#15
Acrylonitrile
Concen: 252.096 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 283323

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	36.3	28.8	43.2

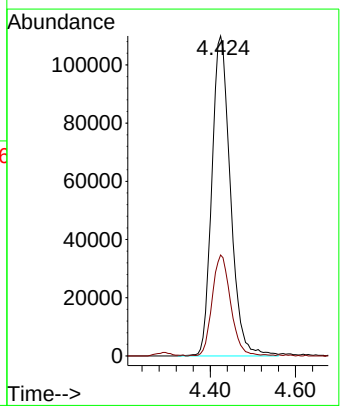


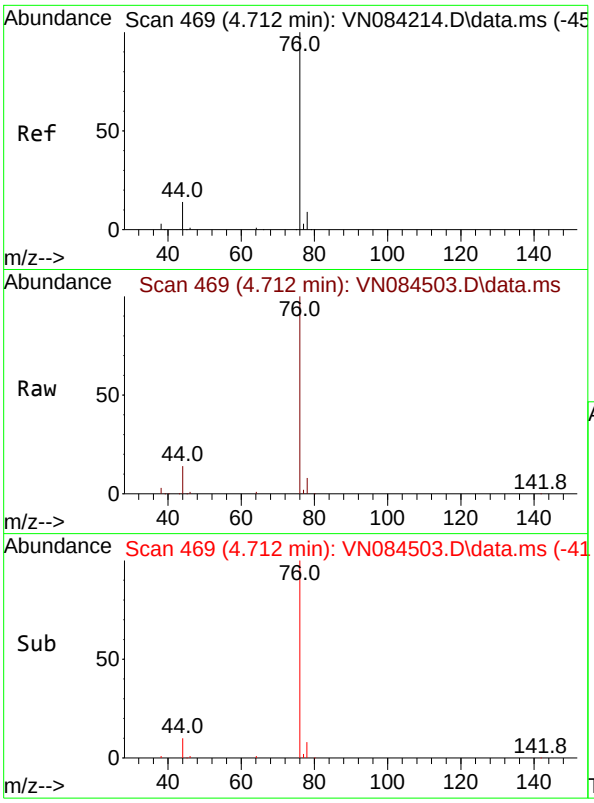


#16
Acetone
Concen: 286.656 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 332361

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6



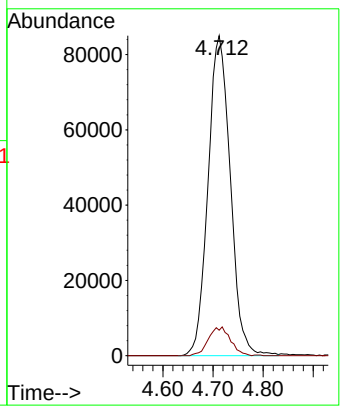


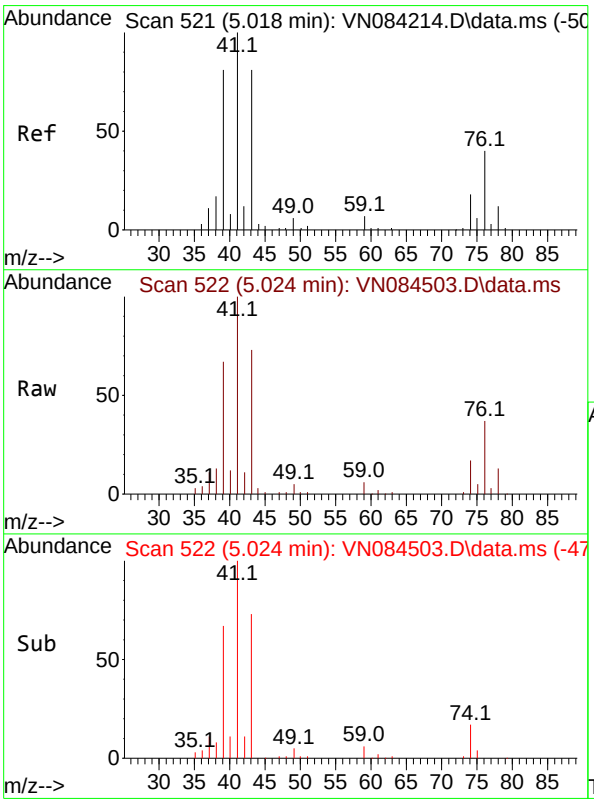
#17
Carbon Disulfide
Concen: 40.440 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 262424

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9

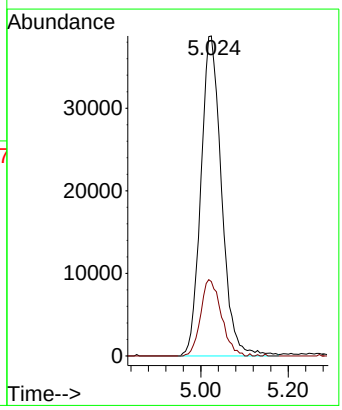


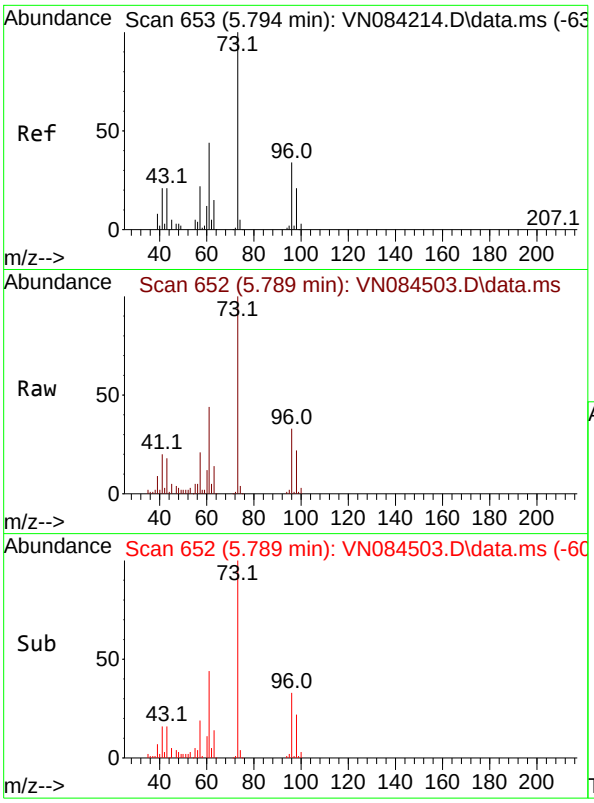


#18
Methyl Acetate
Concen: 50.414 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 127400

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8



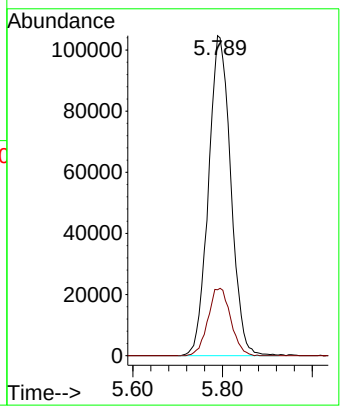


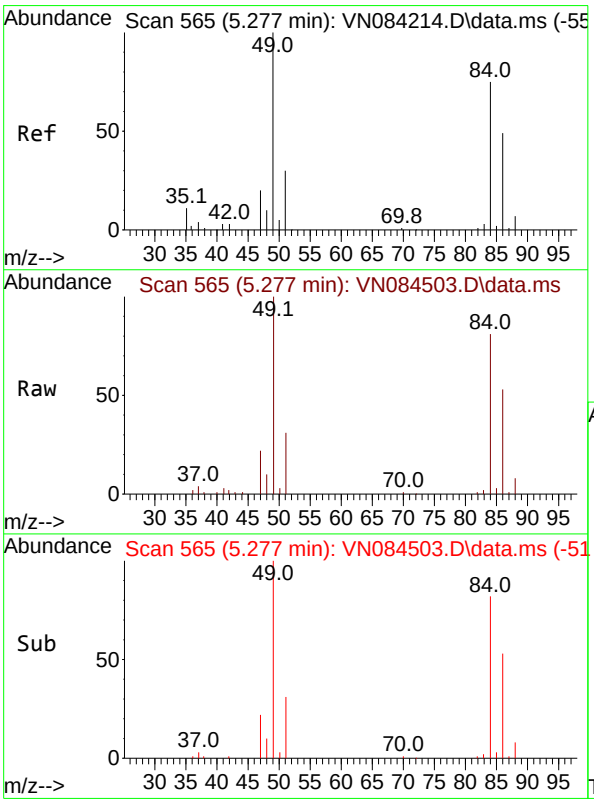
#19
Methyl tert-butyl Ether
Concen: 52.287 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 361709

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5

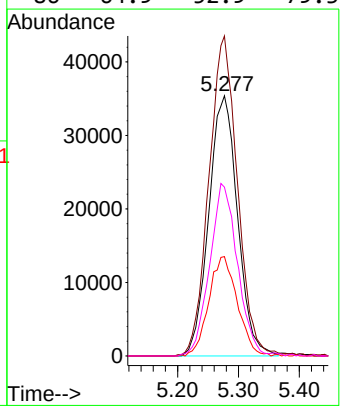


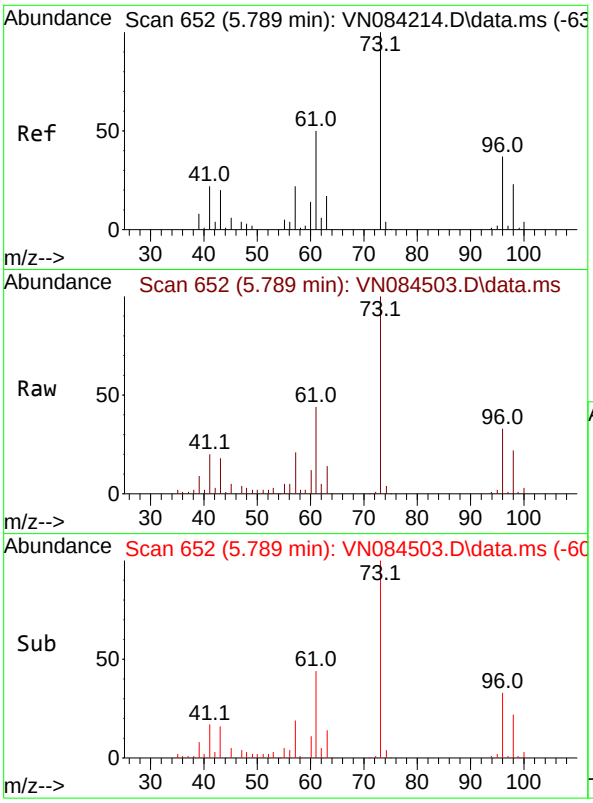


#20
Methylene Chloride
Concen: 49.315 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 84 Resp: 116230

Ion	Ratio	Lower	Upper
84	100		
49	122.5	107.2	160.8
51	38.2	31.8	47.8
86	64.9	52.9	79.3



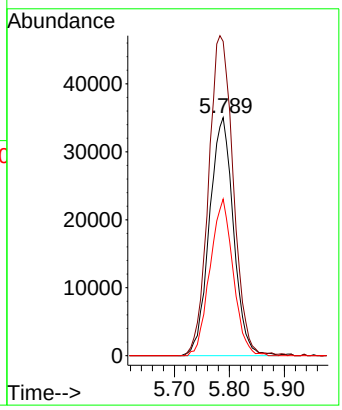


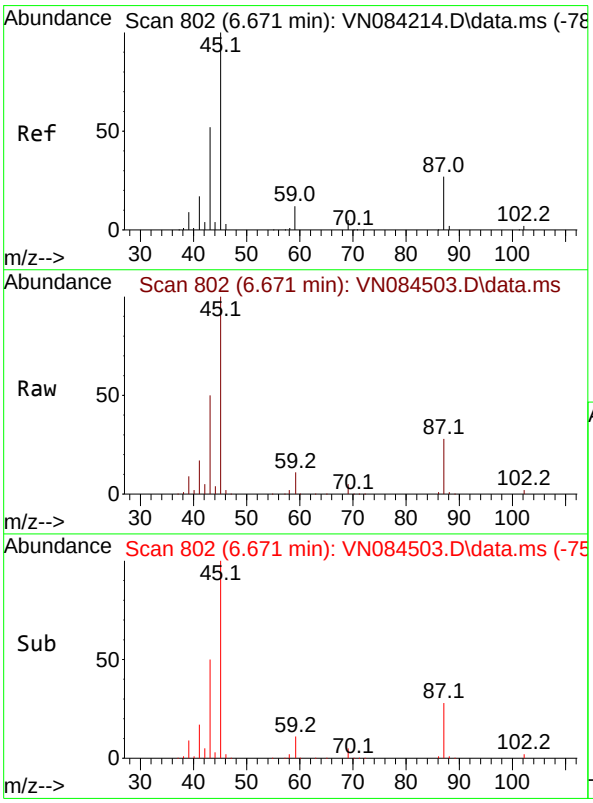
#21
trans-1,2-Dichloroethene
Concen: 49.634 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 106580

Ion	Ratio	Lower	Upper
96	100		
61	132.0	108.4	162.6
98	65.8	49.8	74.8

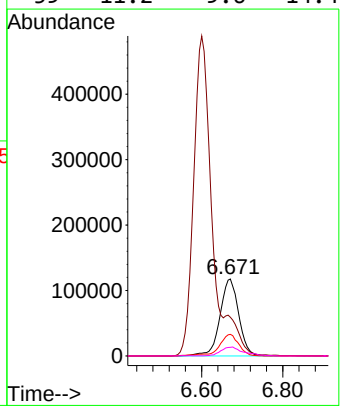


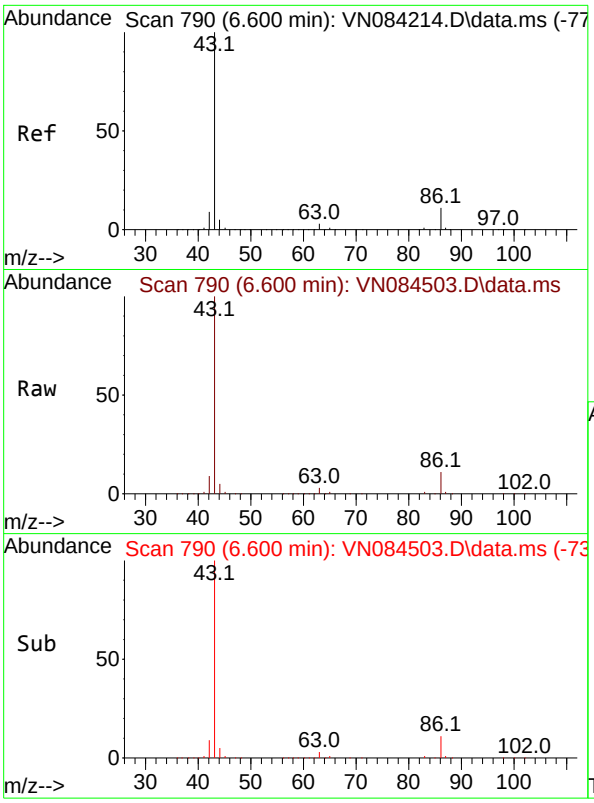


#22
Diisopropyl ether
Concen: 51.282 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 45 Resp: 377582

Ion	Ratio	Lower	Upper
45	100		
43	49.6	42.3	63.5
87	28.1	21.8	32.6
59	11.2	9.6	14.4



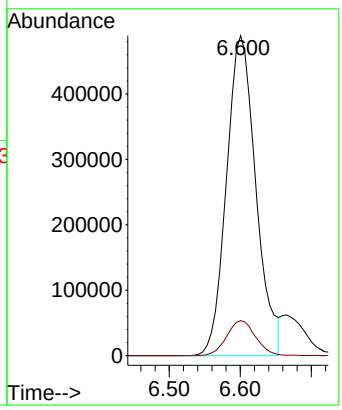


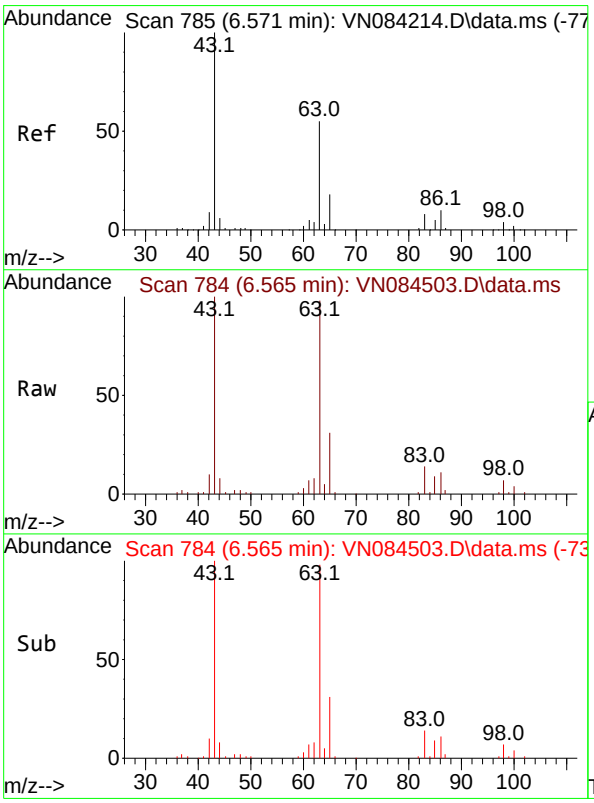
#23
Vinyl Acetate
Concen: 258.787 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1413227

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

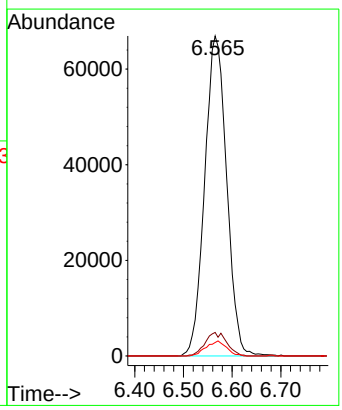


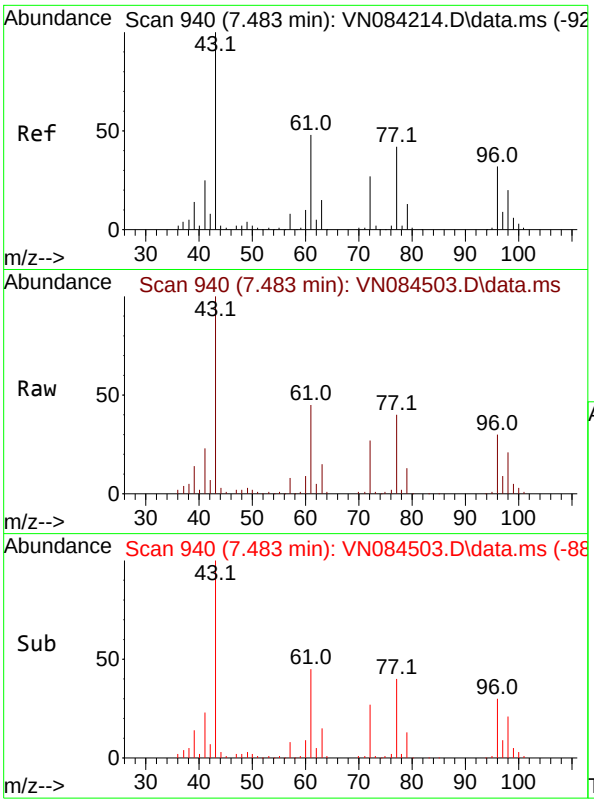


#24
1,1-Dichloroethane
Concen: 50.906 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 209603

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.2	2.0	5.8



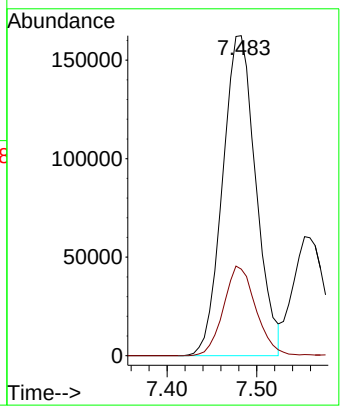


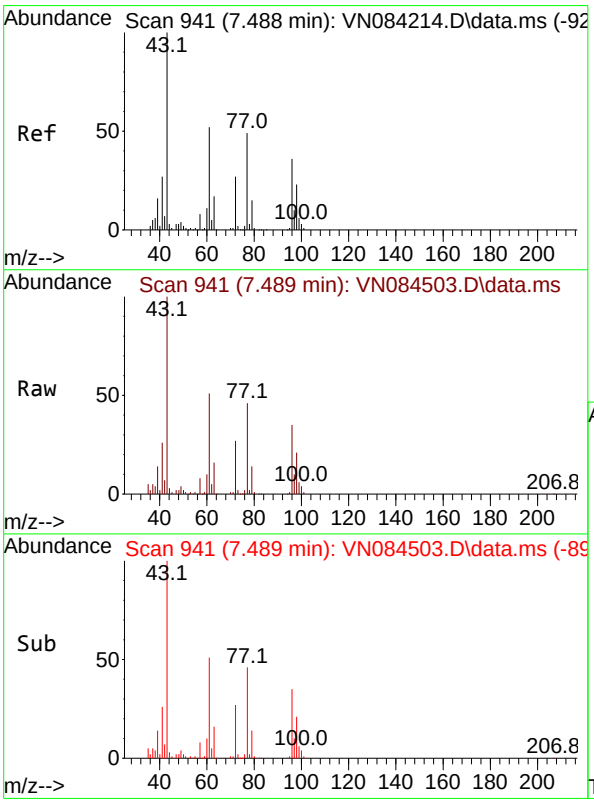
#25
2-Butanone
Concen: 265.466 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 419219

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.2

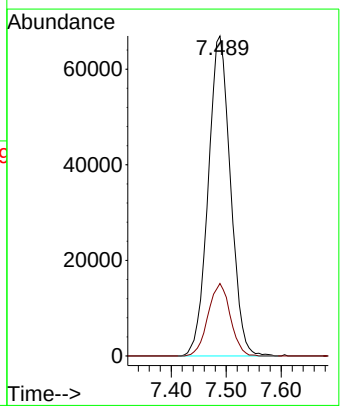


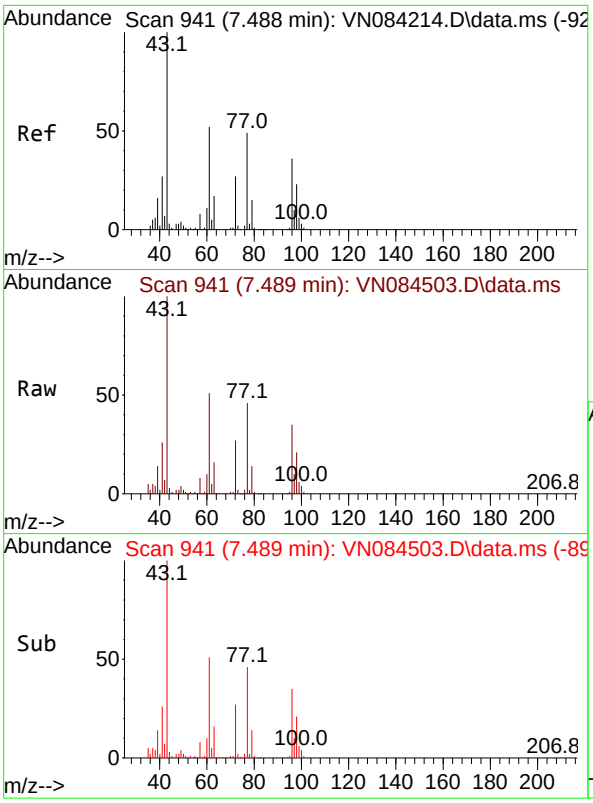


#26
2,2-Dichloropropane
Concen: 50.799 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 77 Resp: 188590

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.8	32.3



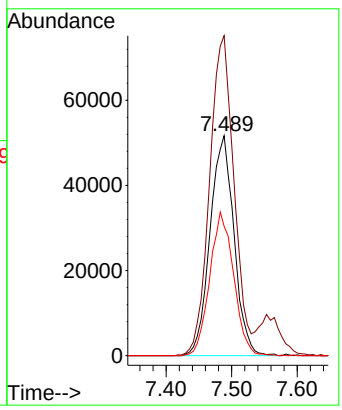


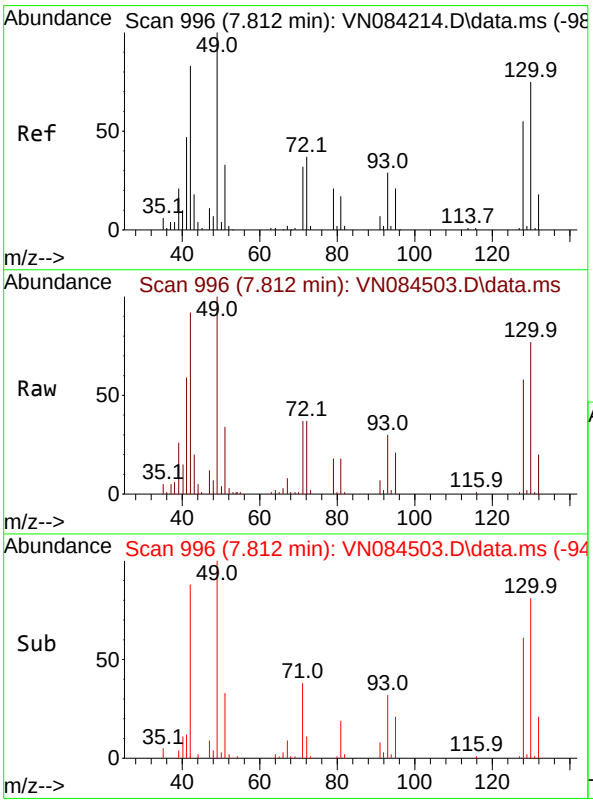
#27
cis-1,2-Dichloroethene
Concen: 50.644 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 131412

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.8
98	65.0	0.0	128.2

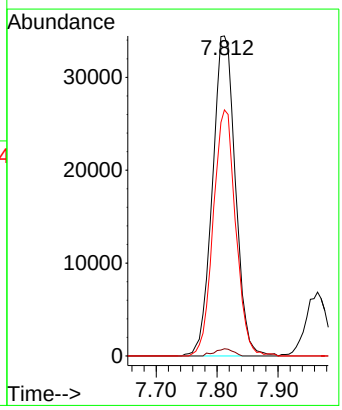


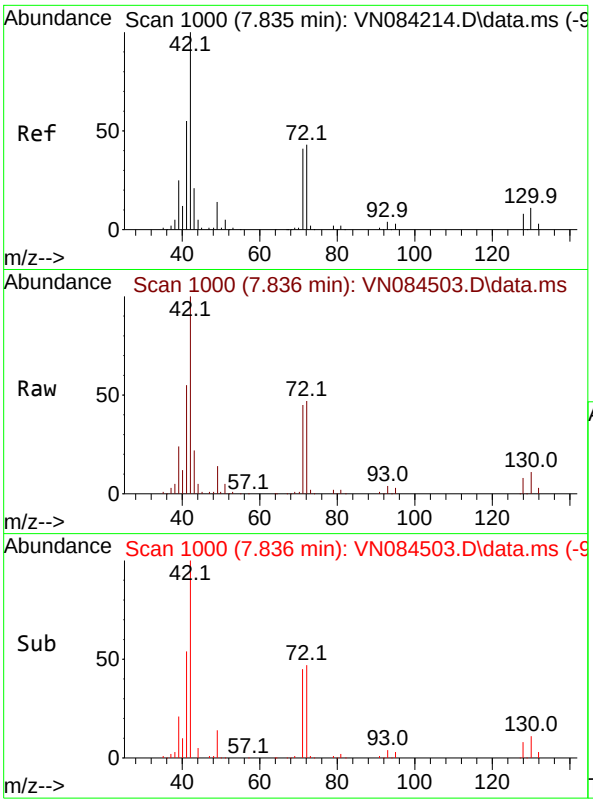


#28
Bromochloromethane
Concen: 49.119 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 49 Resp: 90237

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	75.1	58.0	87.0



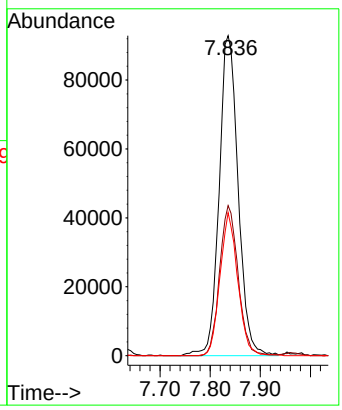


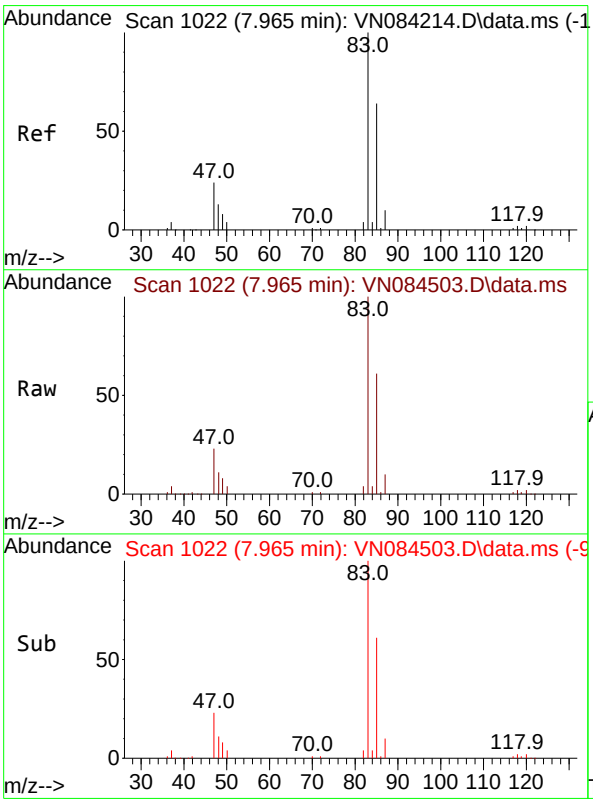
#29
Tetrahydrofuran
Concen: 251.177 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 244782

Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.6	51.8
71	41.7	32.2	48.4

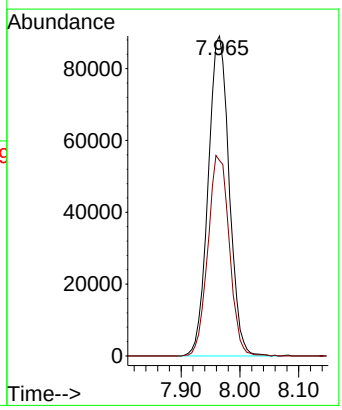


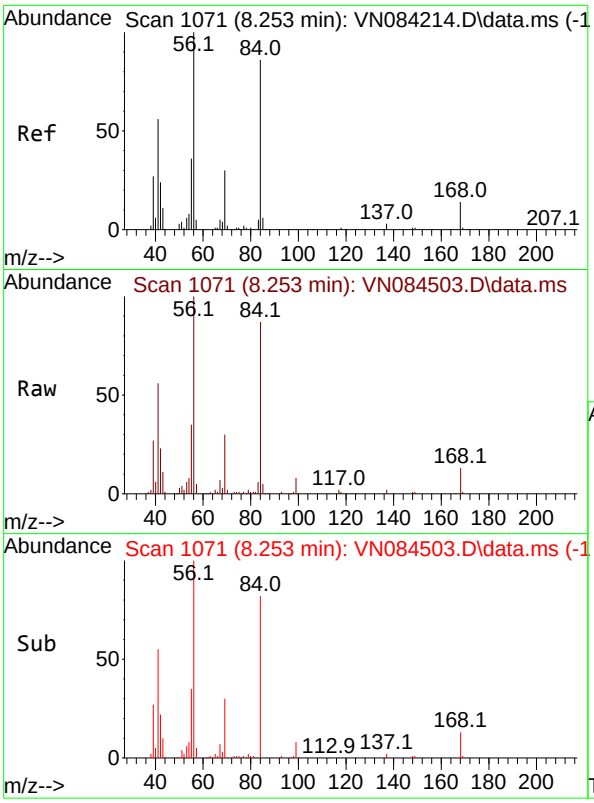


#30
Chloroform
Concen: 51.643 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 83 Resp: 220877

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.0	76.4



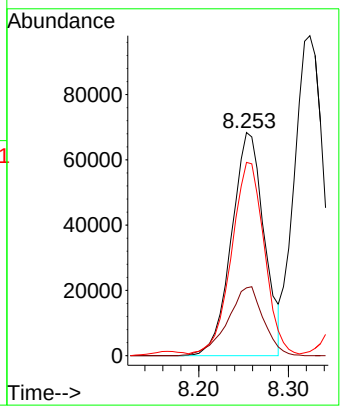


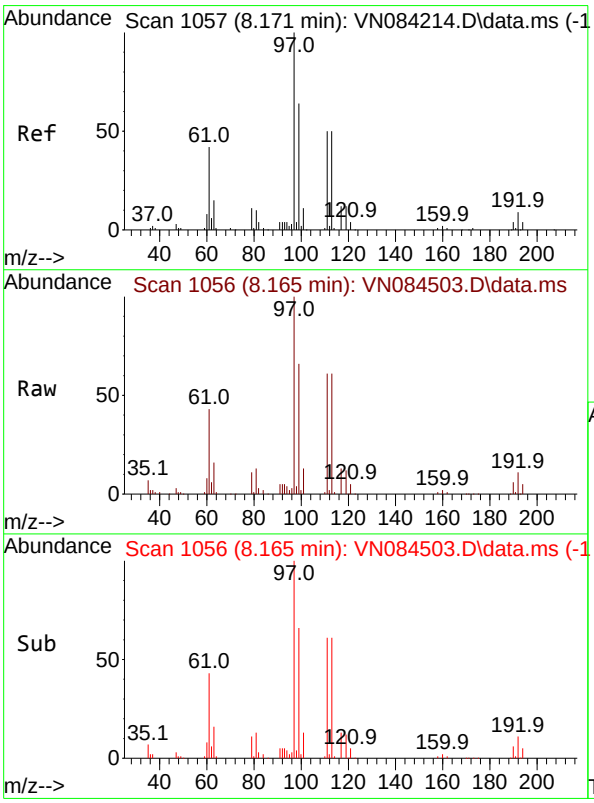
#31
Cyclohexane
Concen: 43.113 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 172359

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	85.0	68.8	103.2

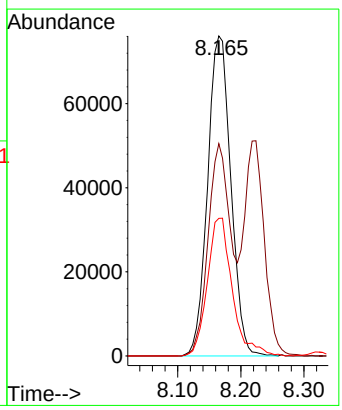


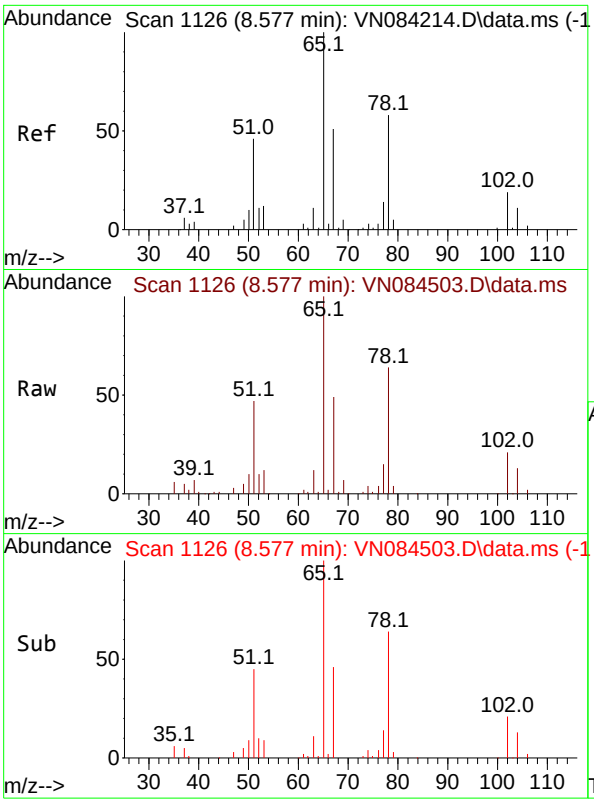


#32
1,1,1-Trichloroethane
Concen: 50.664 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 97 Resp: 194610

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	46.1	37.5	56.3



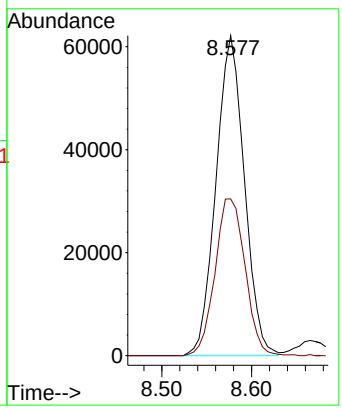


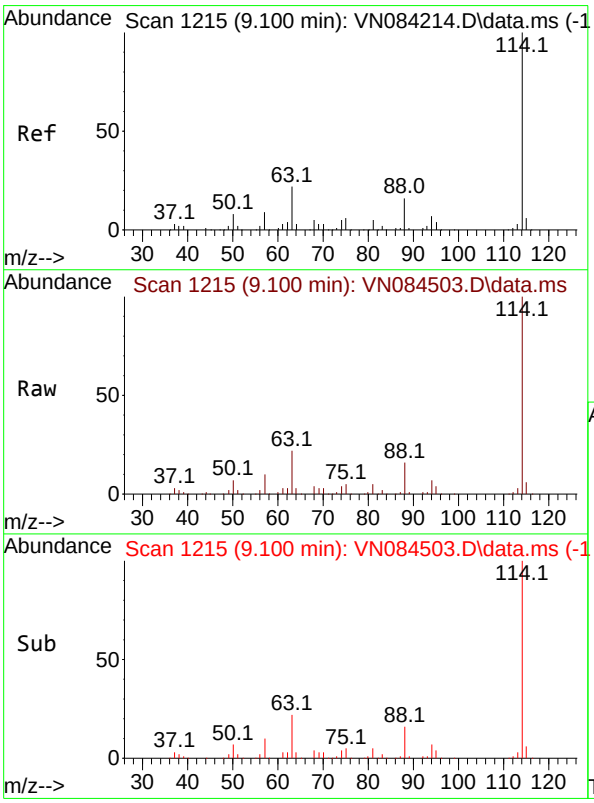
#33
1,2-Dichloroethane-d4
Concen: 50.628 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 136646

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0

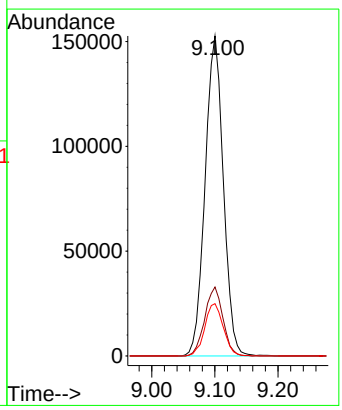


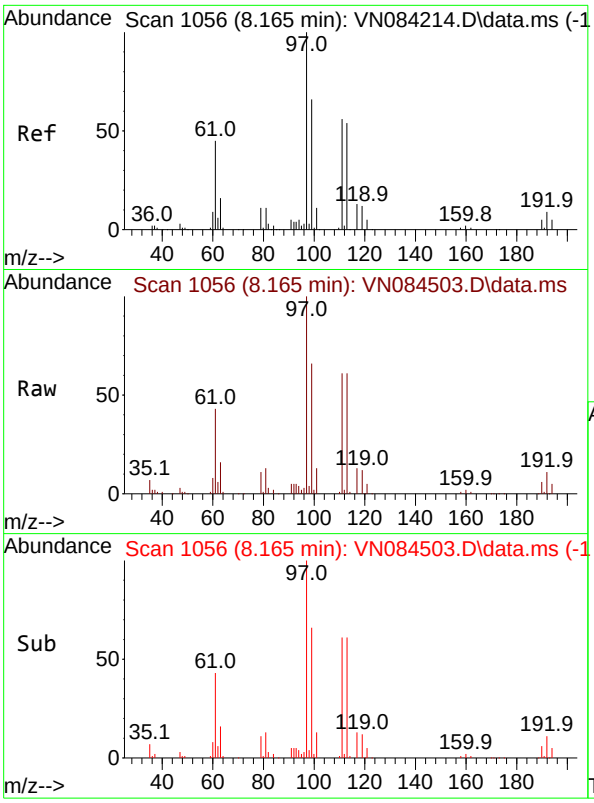


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:114 Resp: 306519

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	16.4	0.0	31.6



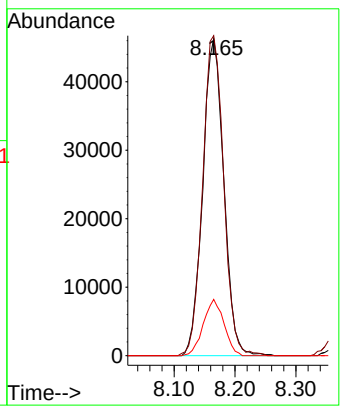


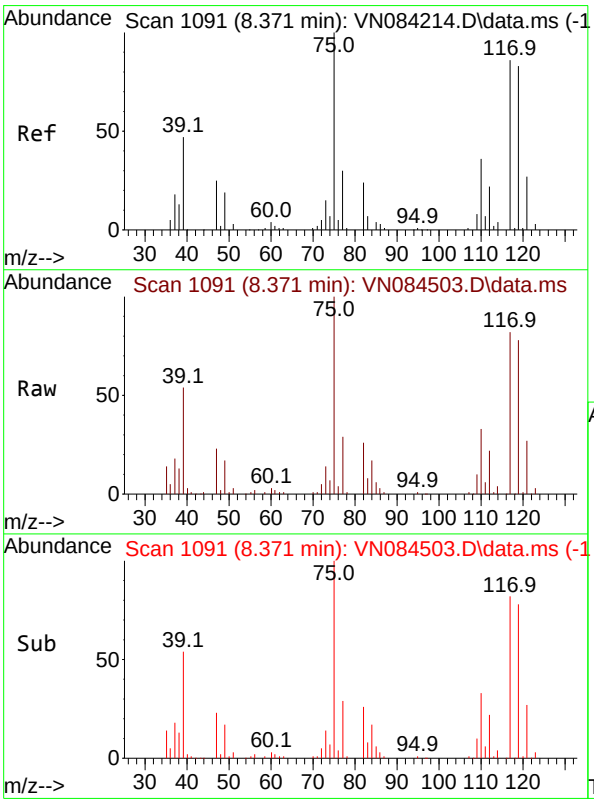
#35
Dibromofluoromethane
Concen: 55.017 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 111177

Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.3	124.9
192	17.5	13.5	20.3

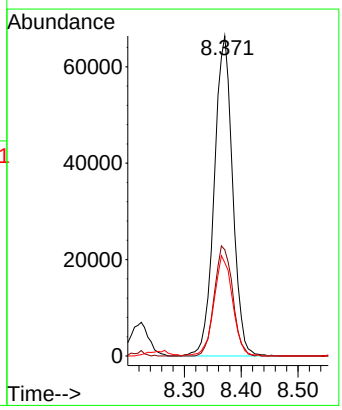


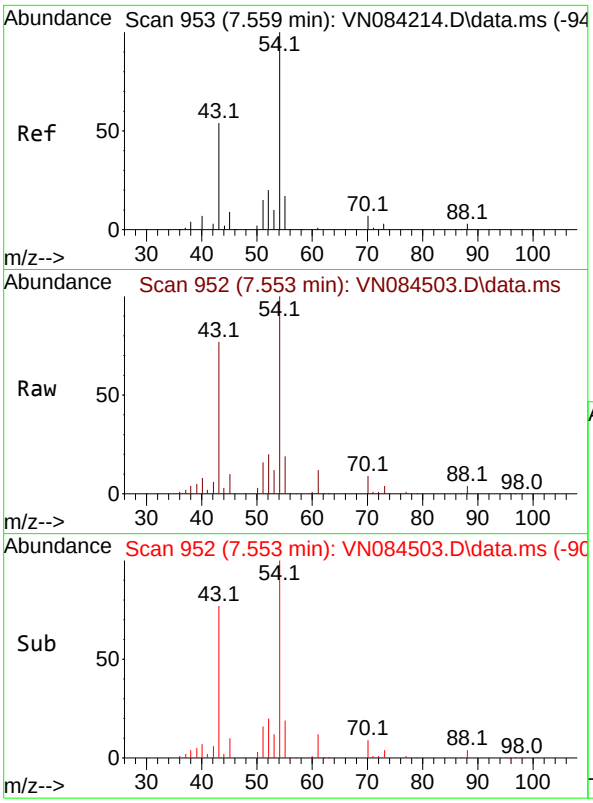


#36
1,1-Dichloropropene
Concen: 50.818 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 149163

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	31.9	24.7	37.1



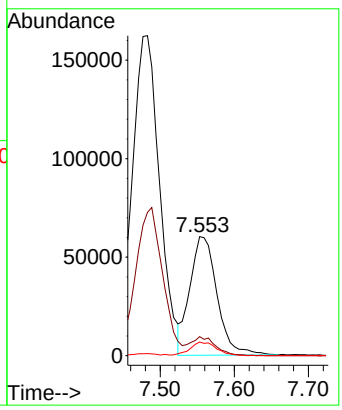


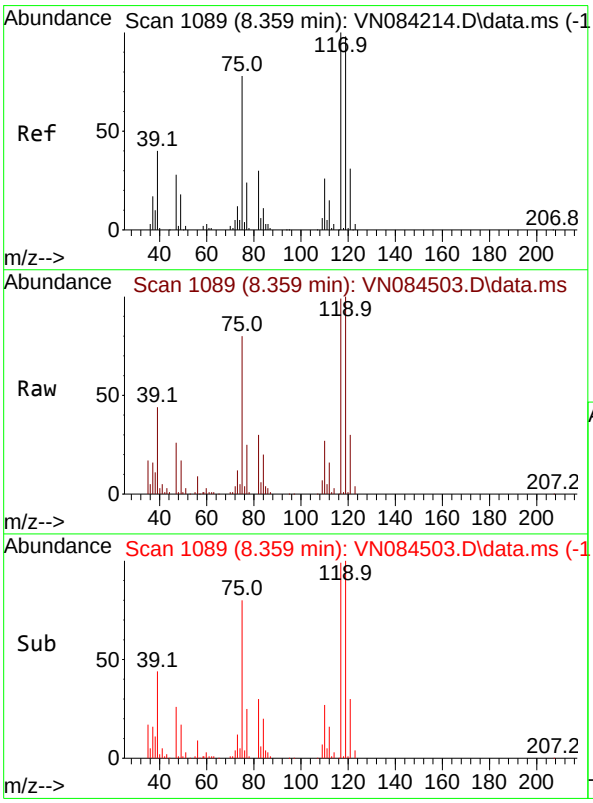
#37
Ethyl Acetate
Concen: 51.219 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 154236

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	11.1	8.8	13.2

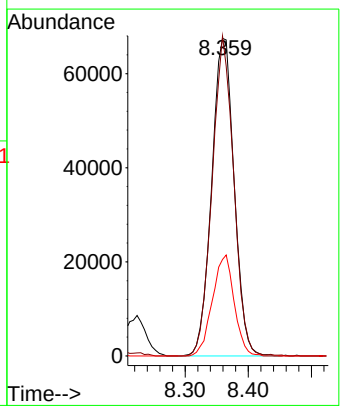


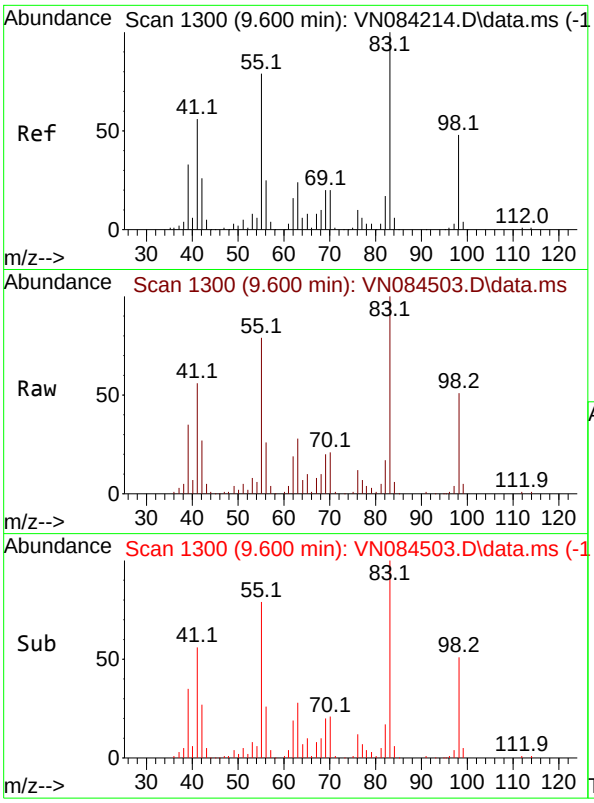


#38
Carbon Tetrachloride
Concen: 51.799 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:117 Resp: 166783

Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.7	118.1
121	30.4	24.4	36.6



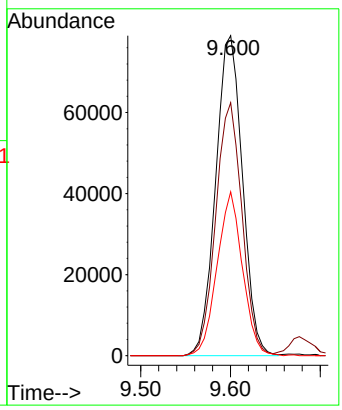


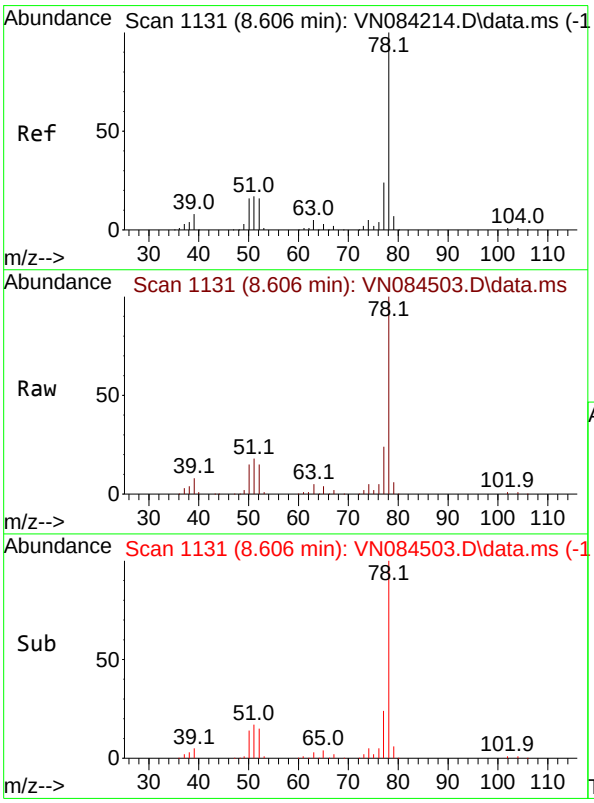
#39
Methylcyclohexane
Concen: 50.207 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 164018

Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.8	94.2
98	51.2	38.8	58.2

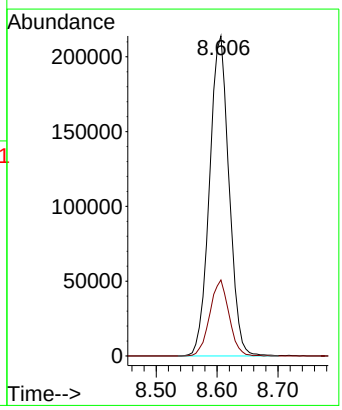


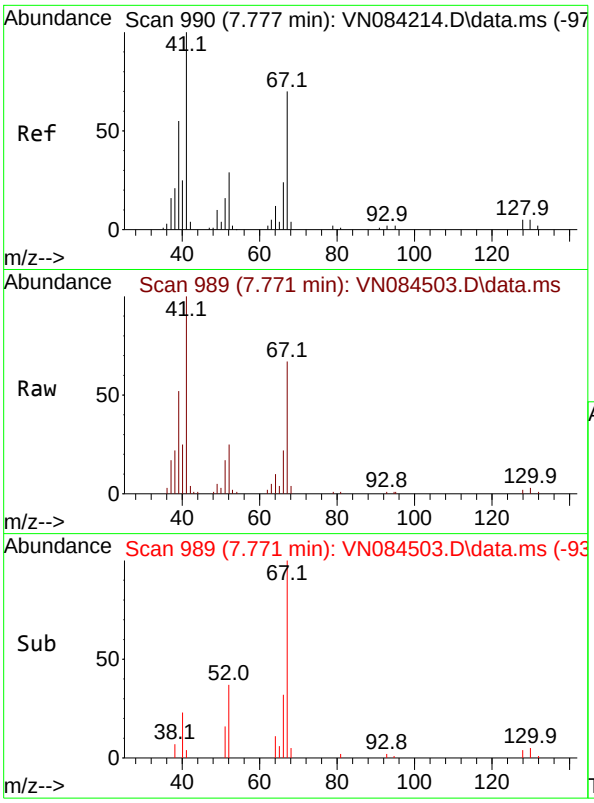


#40
Benzene
Concen: 52.089 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 78 Resp: 476364

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7



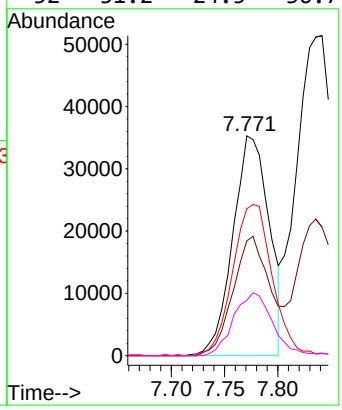


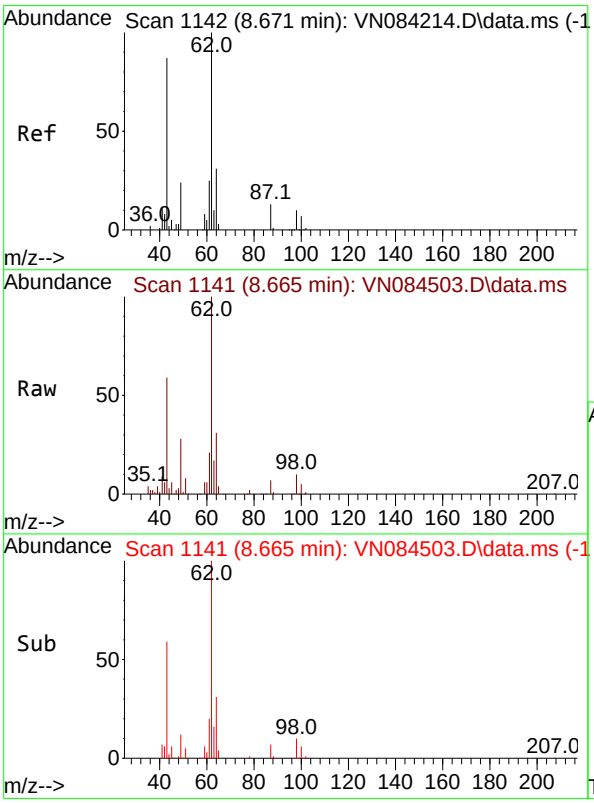
#41
Methacrylonitrile
Concen: 51.176 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 83663

Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.3	64.9
67	75.1	56.1	84.1
52	31.2	24.5	36.7

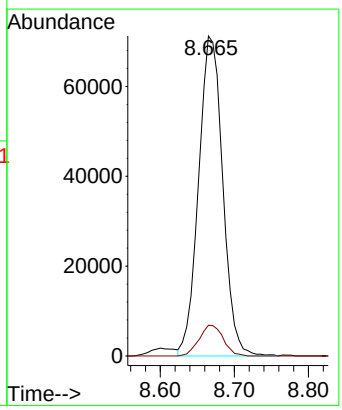


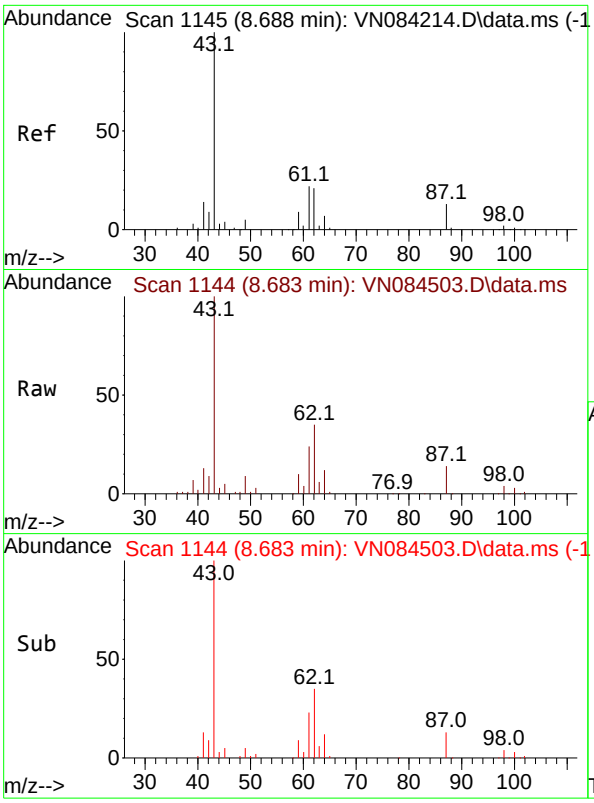


#42
1,2-Dichloroethane
Concen: 52.064 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 62 Resp: 161416

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



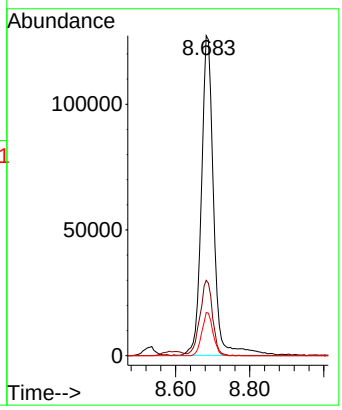


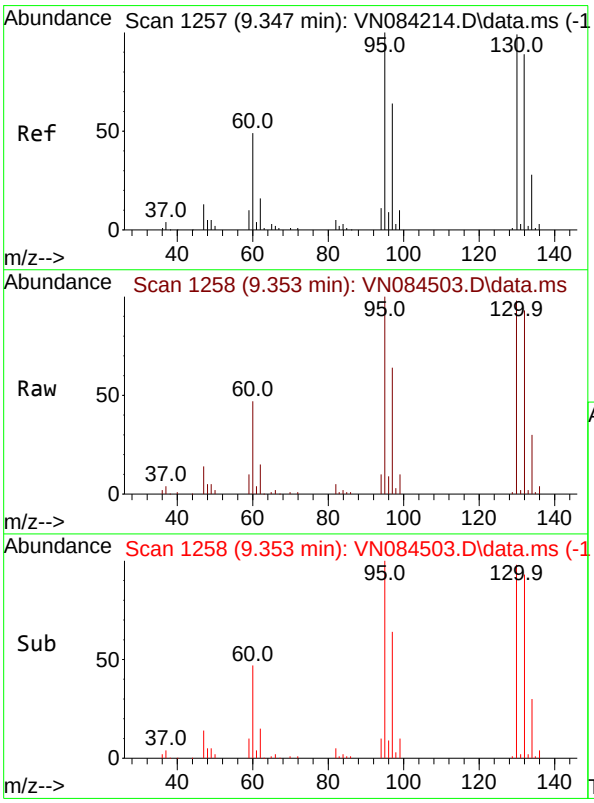
#43
Isopropyl Acetate
Concen: 49.368 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 291182

Ion	Ratio	Lower	Upper
43	100		
61	24.3	20.4	30.6
87	12.3	10.3	15.5

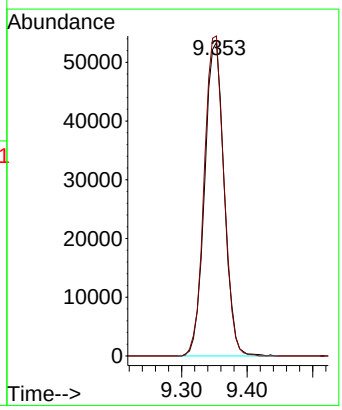


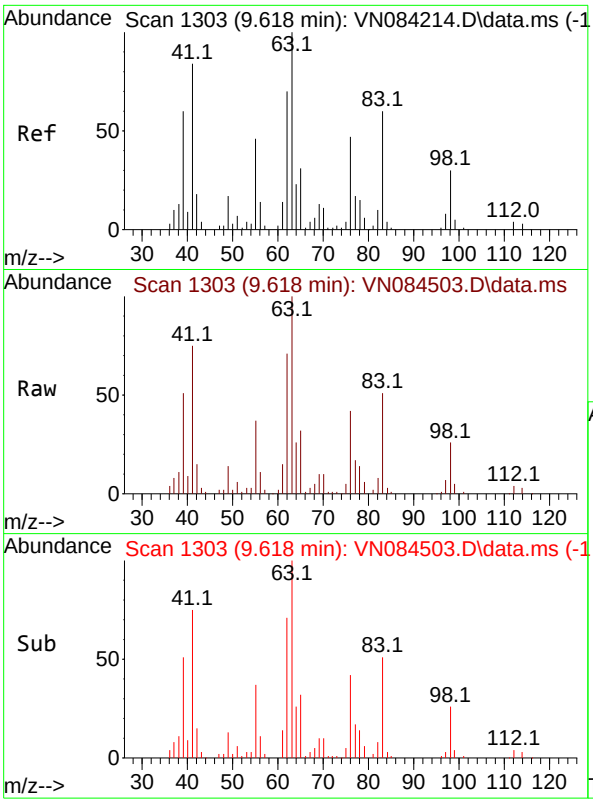


#44
Trichloroethene
Concen: 51.762 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:130 Resp: 110560

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	203.0



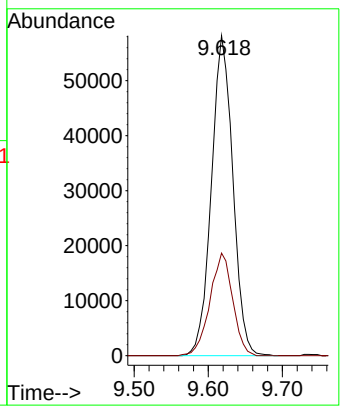


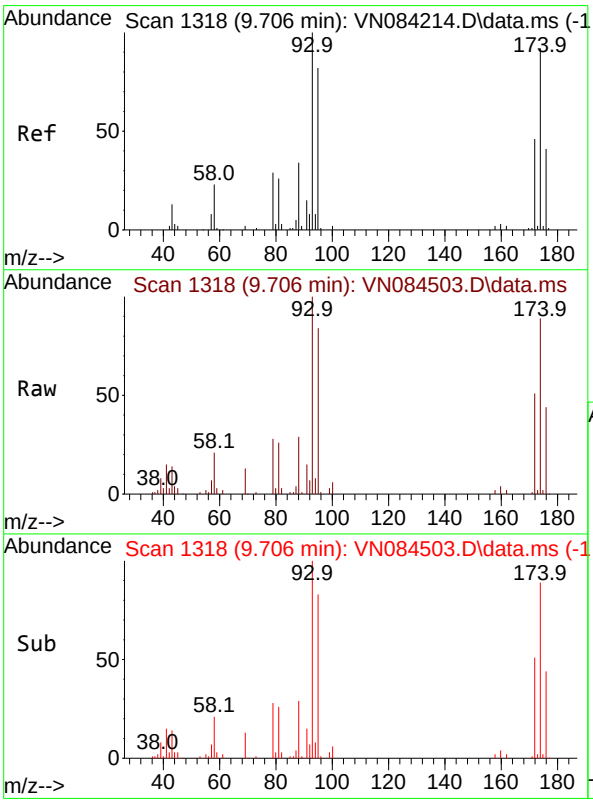
#45
1,2-Dichloropropane
Concen: 54.048 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 116927

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.6	37.0

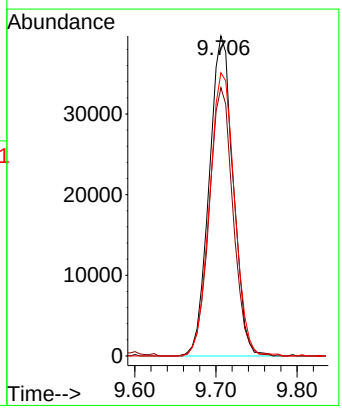


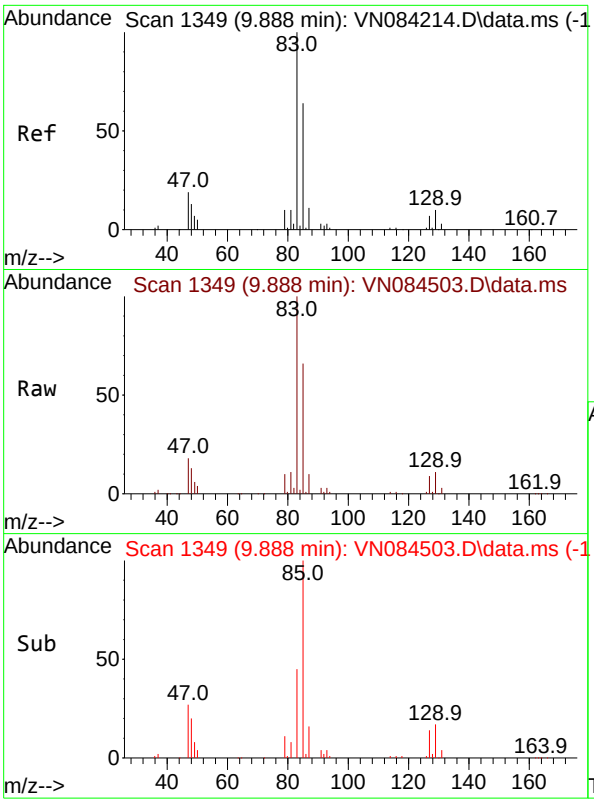


#46
Dibromomethane
Concen: 55.969 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 93 Resp: 81712

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.4
174	92.0	71.8	107.8



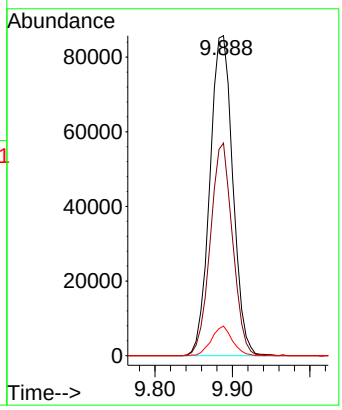


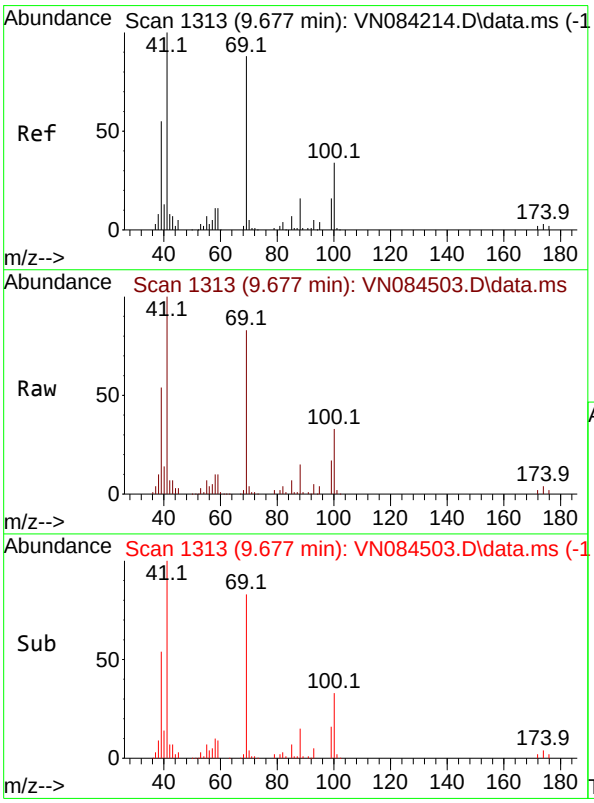
#47
Bromodichloromethane
Concen: 54.395 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 176433

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	9.3	5.7	8.5#

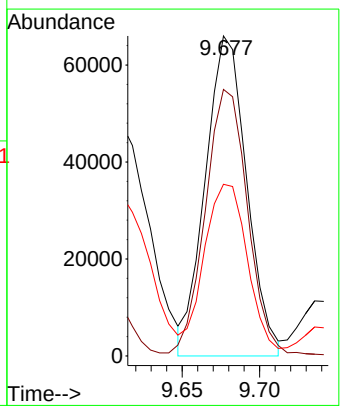


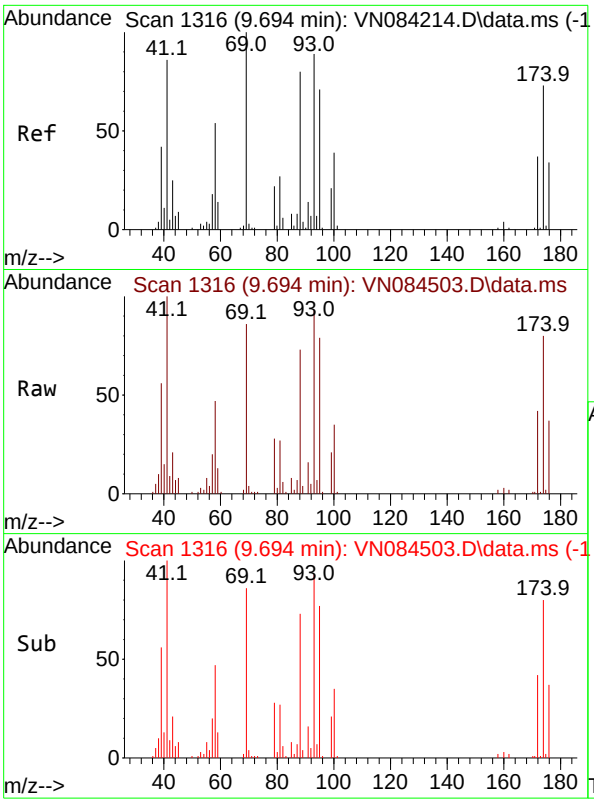


#48
Methyl methacrylate
Concen: 52.136 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 41 Resp: 122412

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	56.9	45.8	68.6



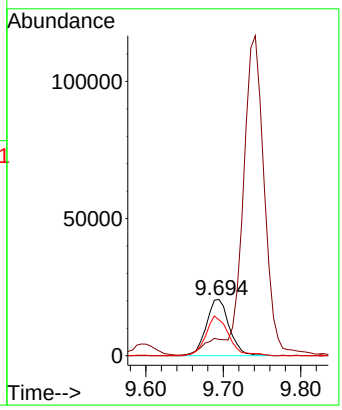


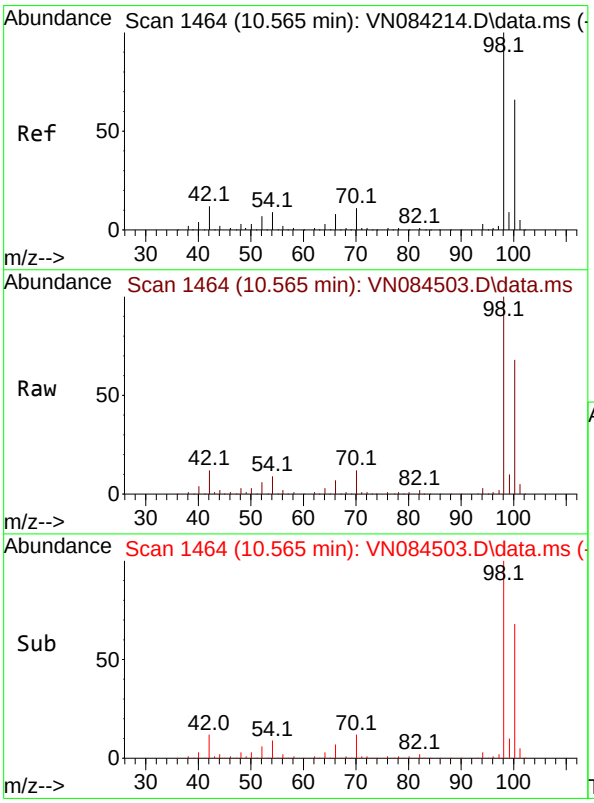
#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 42259

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.4	56.4	84.6

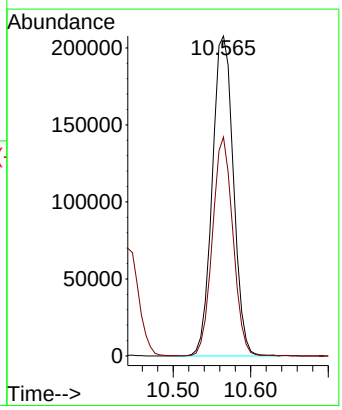


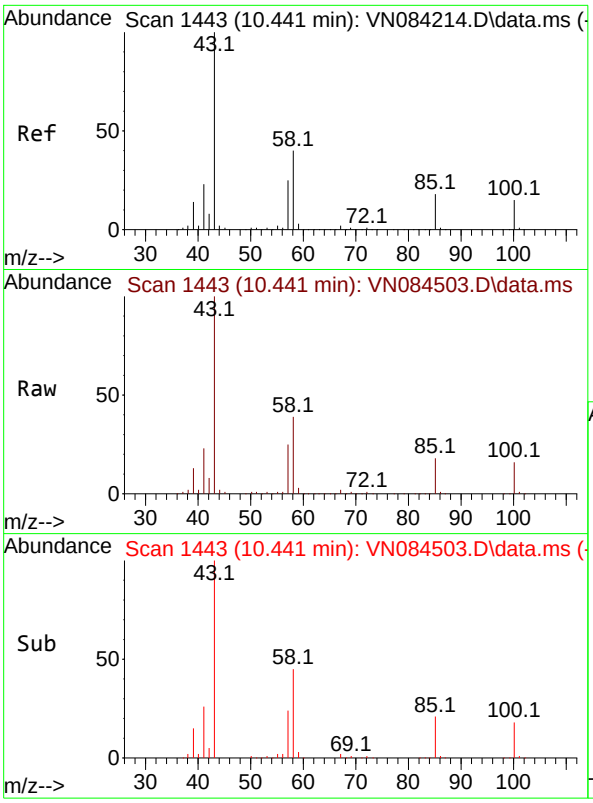


#50
Toluene-d8
Concen: 52.888 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 98 Resp: 393204

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1



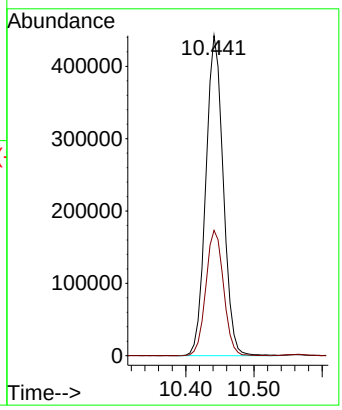


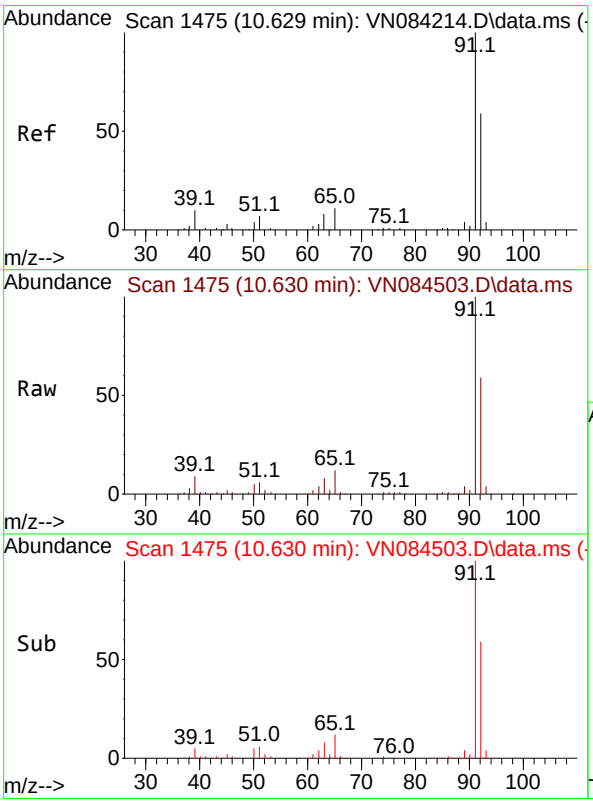
#51
4-Methyl-2-Pentanone
Concen: 274.285 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 786274

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4

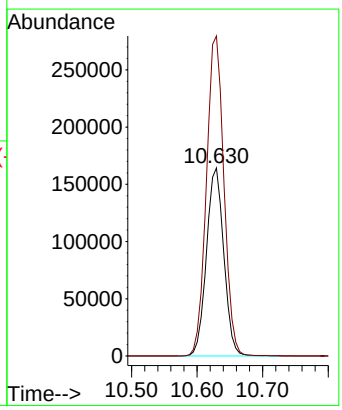


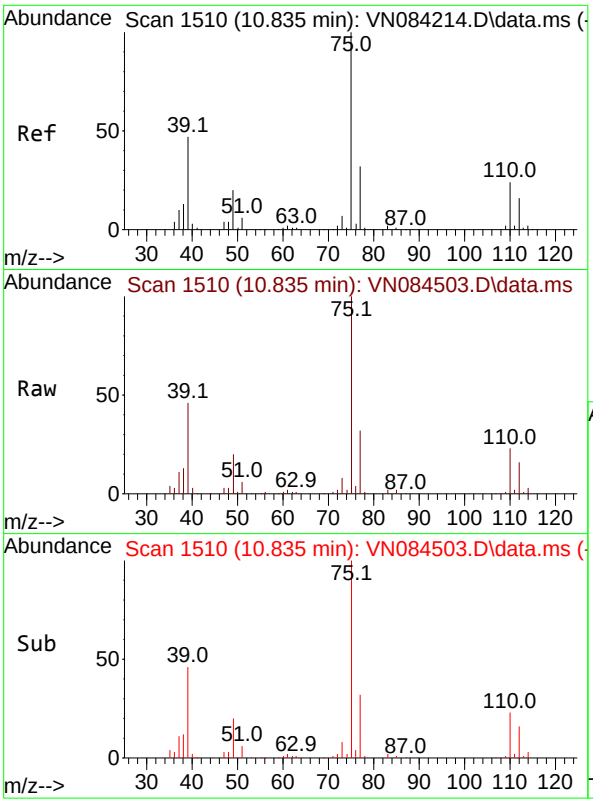


#52
Toluene
Concen: 54.054 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 92 Resp: 301445

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.3	205.9



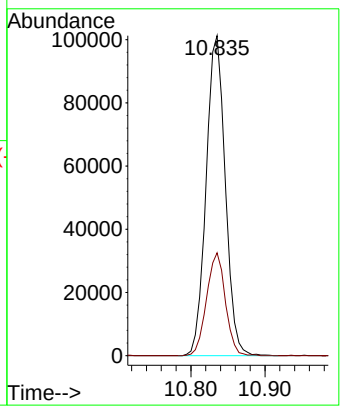


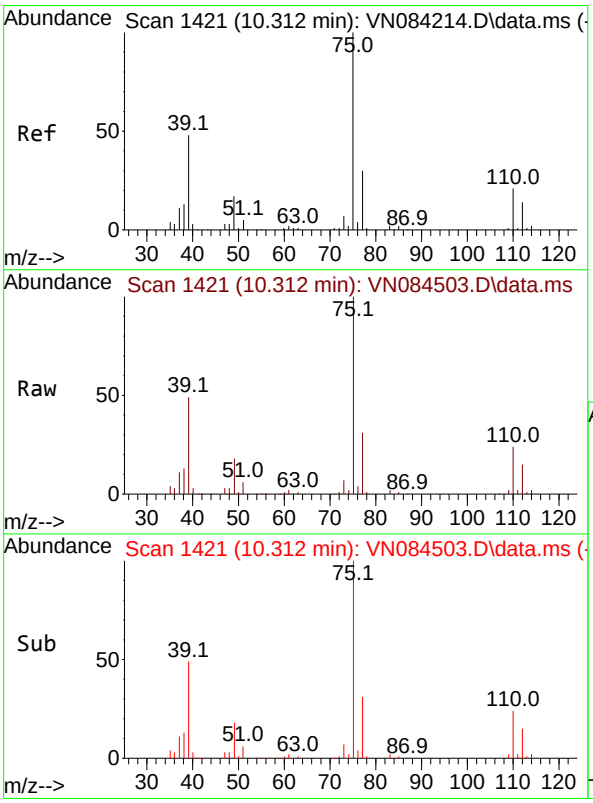
#53
t-1,3-Dichloropropene
Concen: 54.888 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 181476

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

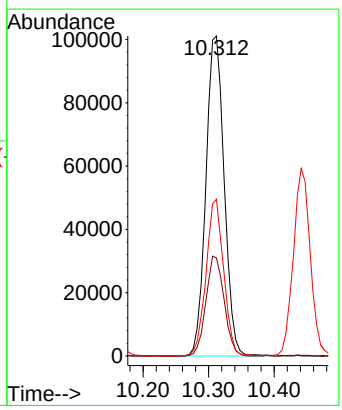


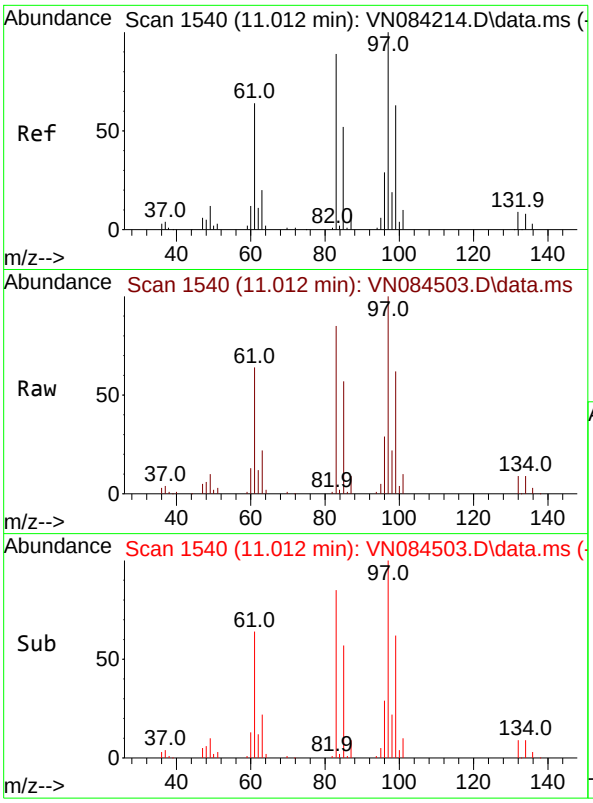


#54
cis-1,3-Dichloropropene
Concen: 55.080 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 195885

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.2	36.2
39	49.0	38.7	58.1



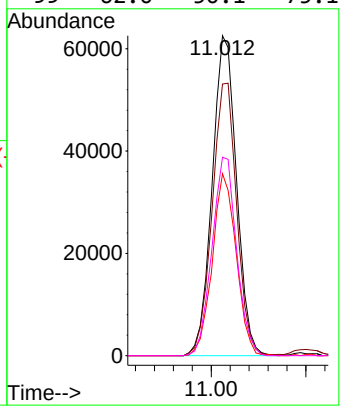


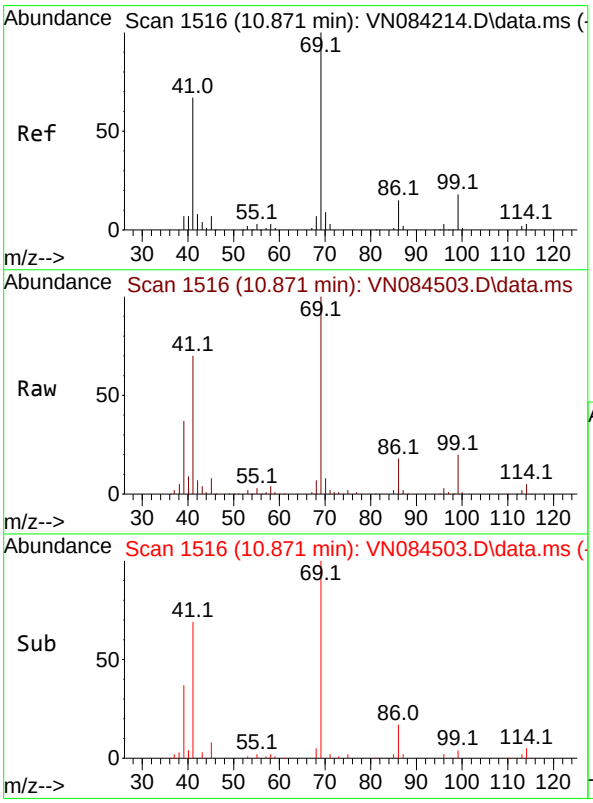
#55
1,1,2-Trichloroethane
Concen: 55.801 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 111558

Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	56.9	41.7	62.5
99	62.0	50.1	75.1

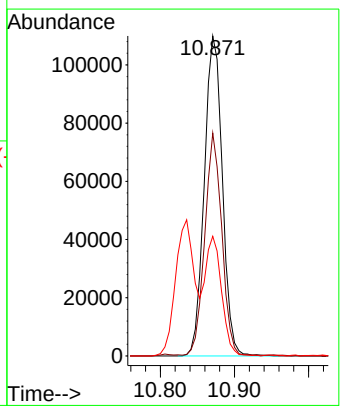


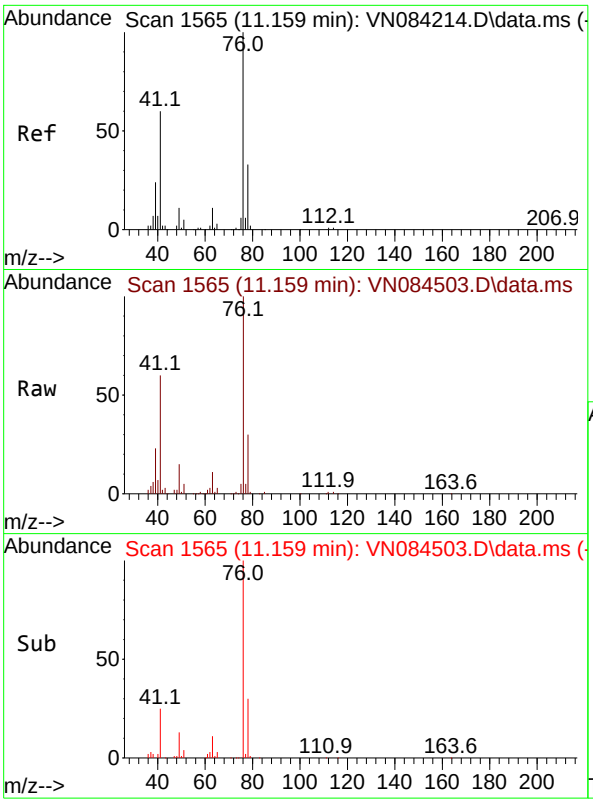


#56
Ethyl methacrylate
Concen: 56.529 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 69 Resp: 185958

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.3	79.9
39	34.2	28.8	43.2



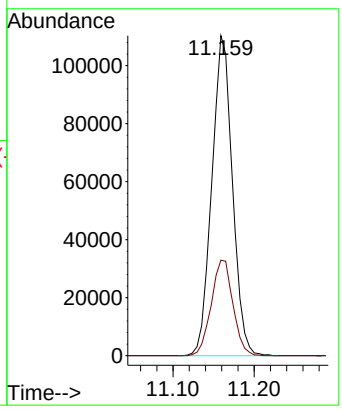


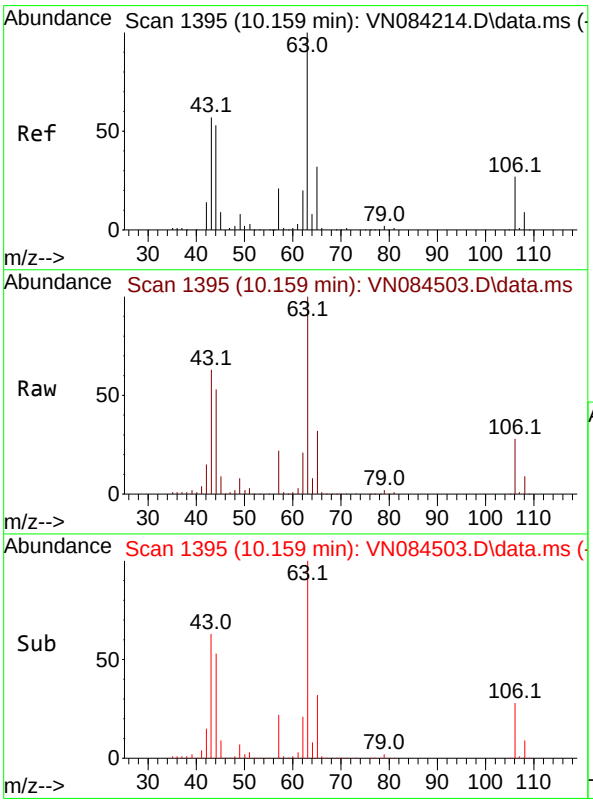
#57
1,3-Dichloropropane
Concen: 54.423 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 194415

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

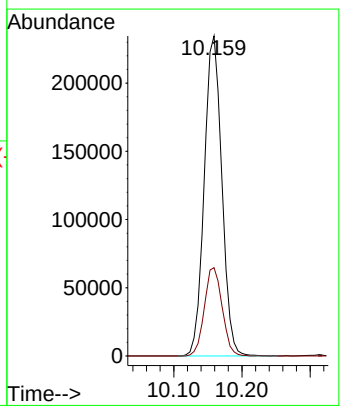


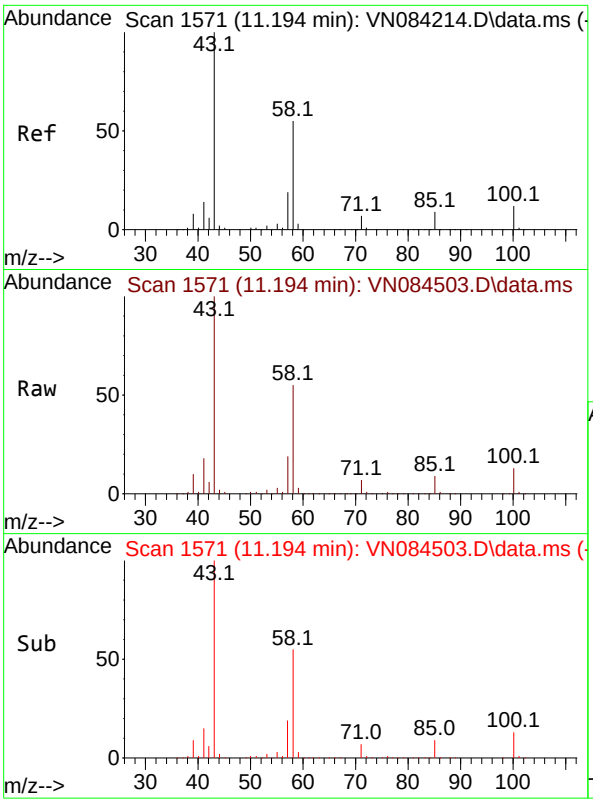


#58
2-Chloroethyl Vinyl ether
Concen: 276.155 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 63 Resp: 421419

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6



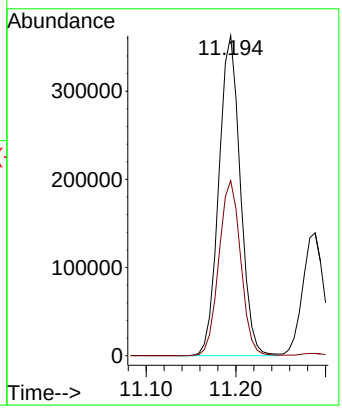


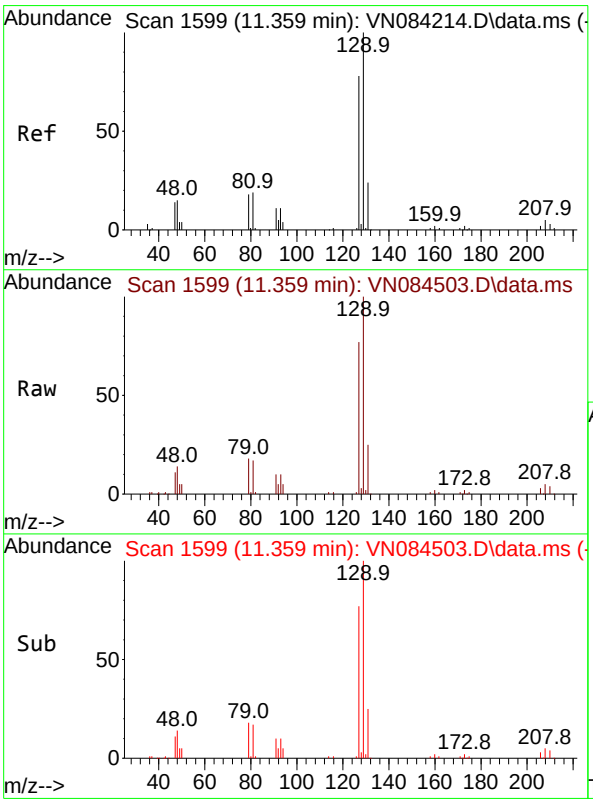
#59
2-Hexanone
Concen: 281.584 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 603310

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

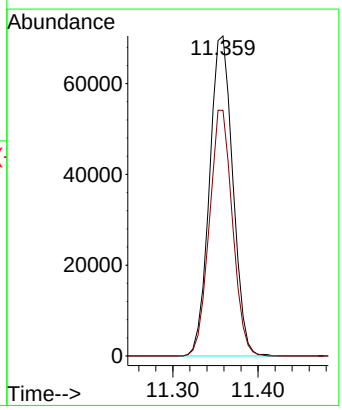


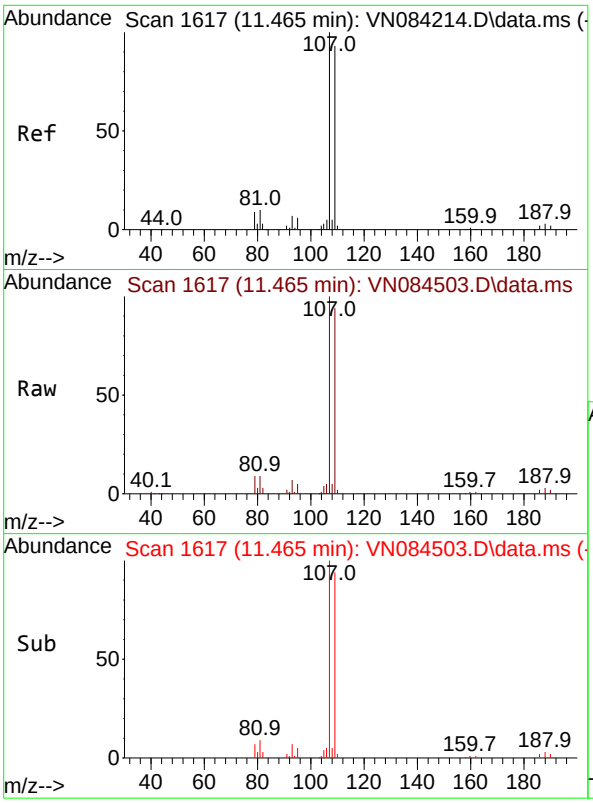


#60
Dibromochloromethane
Concen: 56.669 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:129 Resp: 133861

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.3	114.9



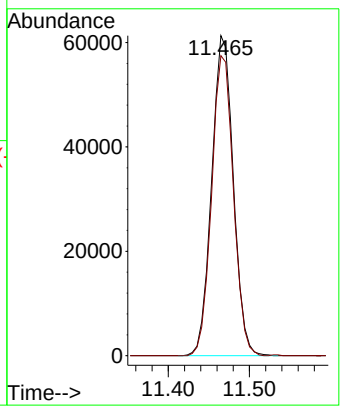


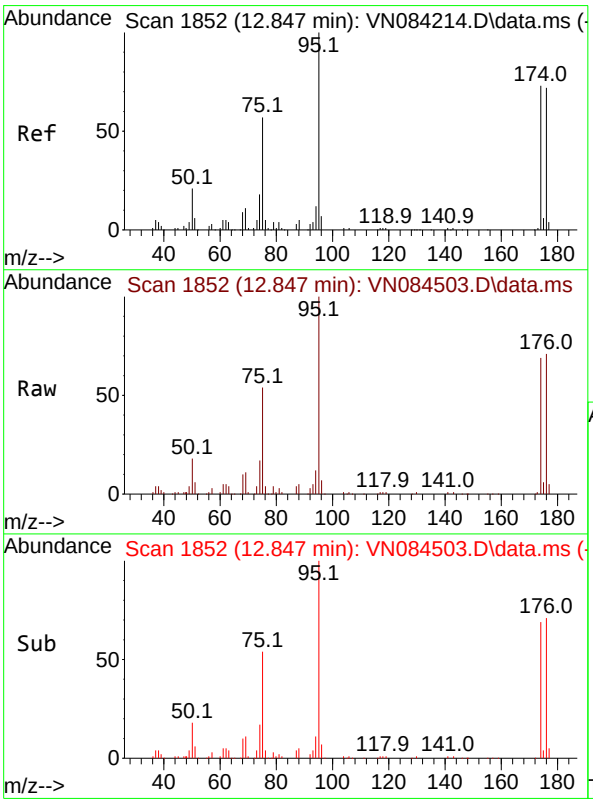
#61
1,2-Dibromoethane
Concen: 54.729 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 113691

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0

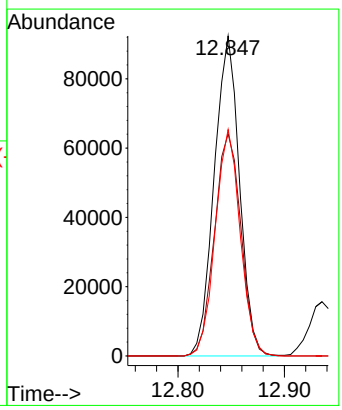


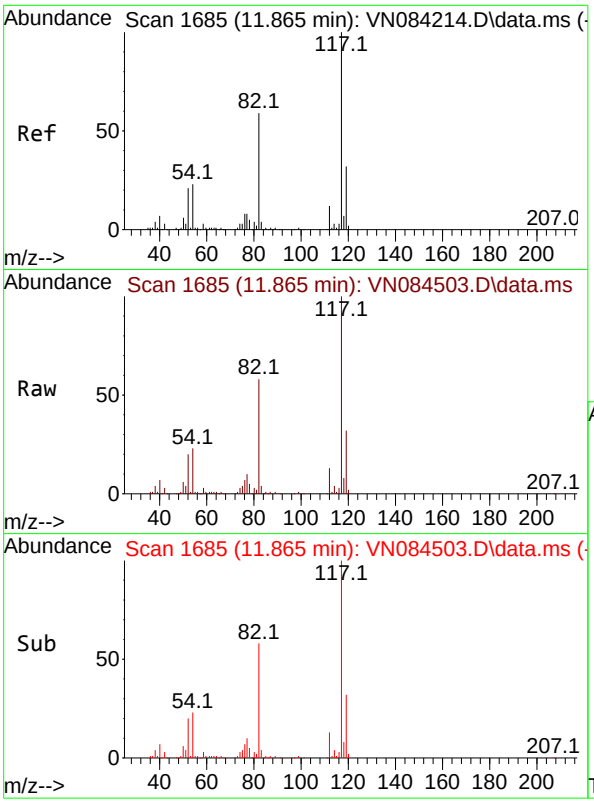


#62
4-Bromofluorobenzene
Concen: 56.092 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 95 Resp: 151926

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.0	0.0	140.0



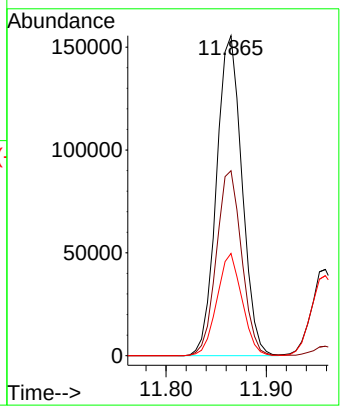


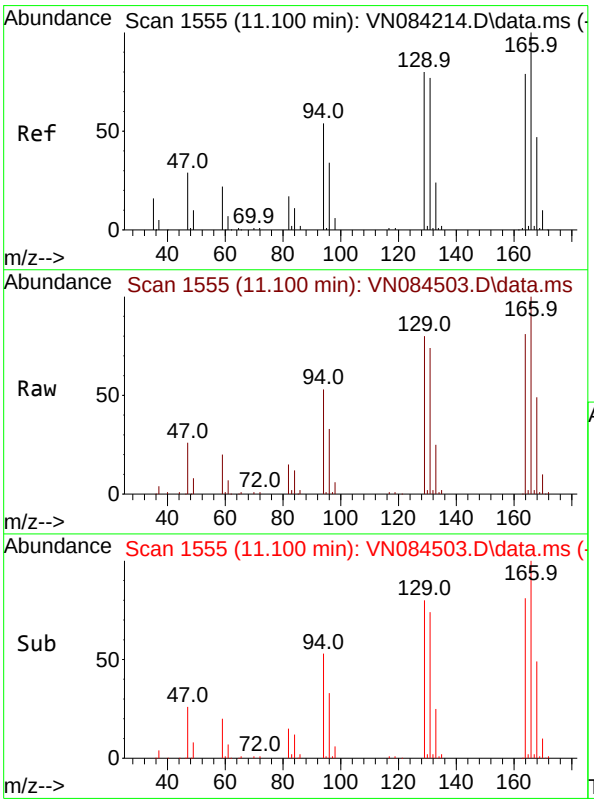
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 274612

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	31.9	25.4	38.0

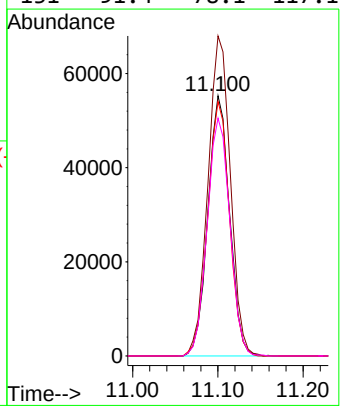


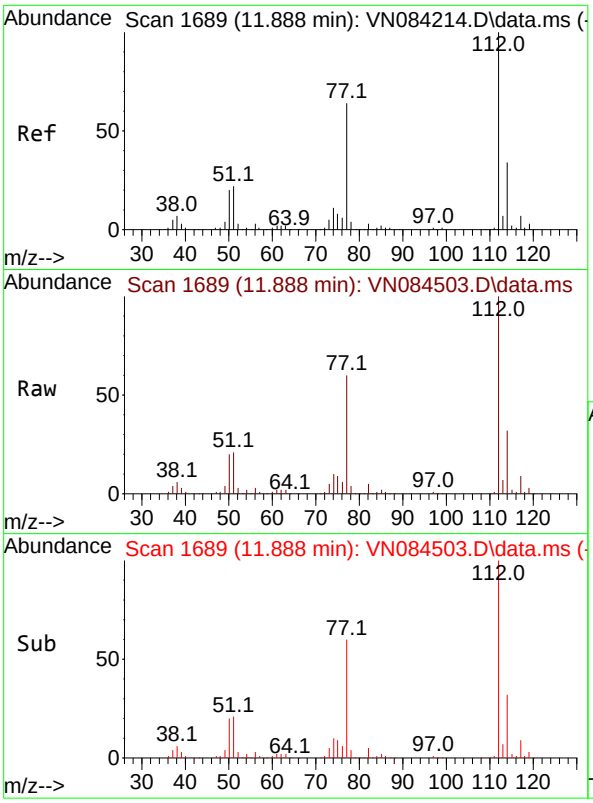


#64
Tetrachloroethene
Concen: 51.180 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:164 Resp: 97893

Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.0	151.4
129	97.8	80.8	121.2
131	91.4	78.1	117.1



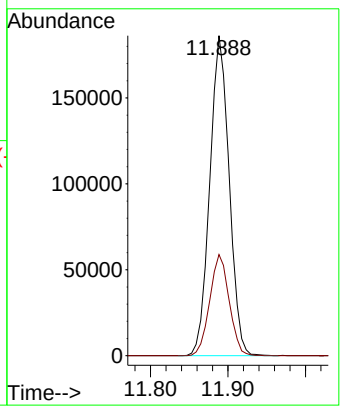


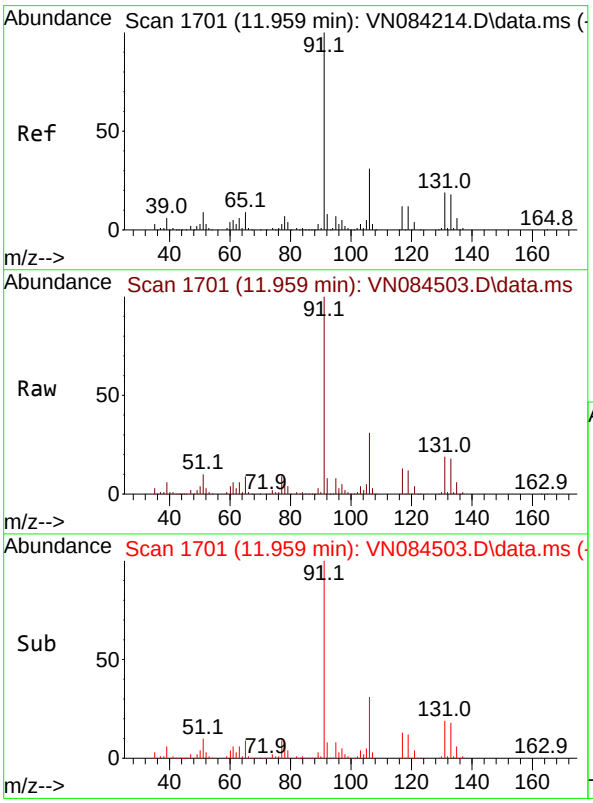
#65
Chlorobenzene
Concen: 53.042 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 322959

Ion	Ratio	Lower	Upper
112	100		
114	31.6	27.0	40.6

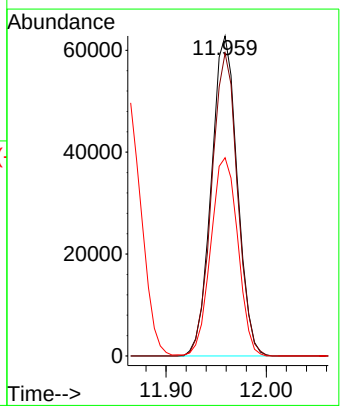


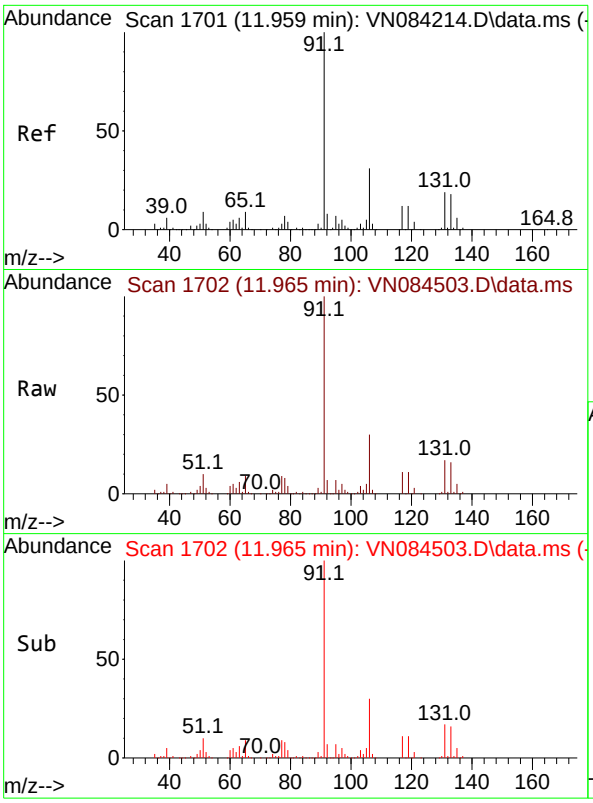


#66
1,1,1,2-Tetrachloroethane
Concen: 53.856 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:131 Resp: 112949

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.7
119	64.4	32.8	98.3



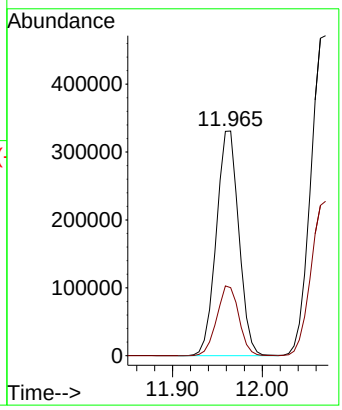


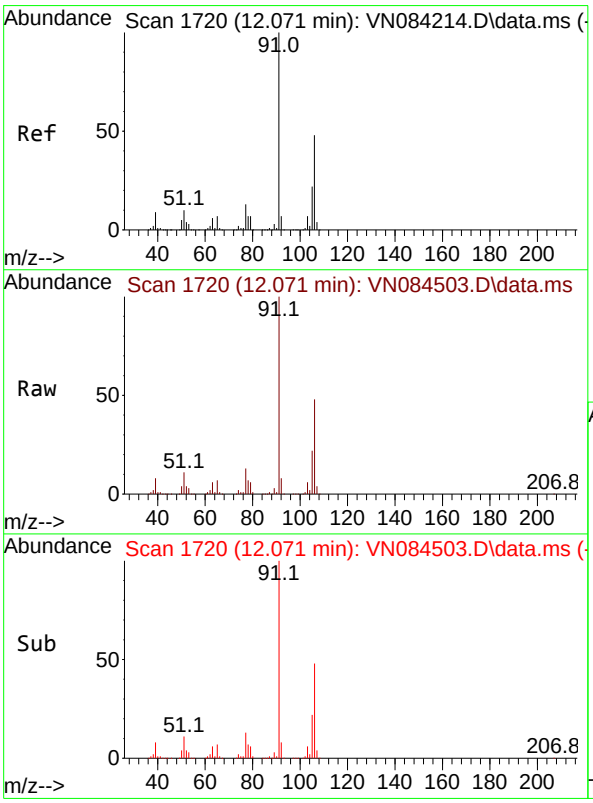
#67
Ethyl Benzene
Concen: 53.480 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 575865

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

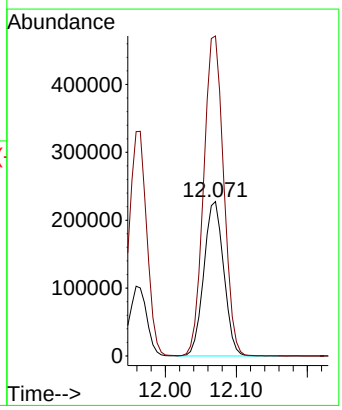


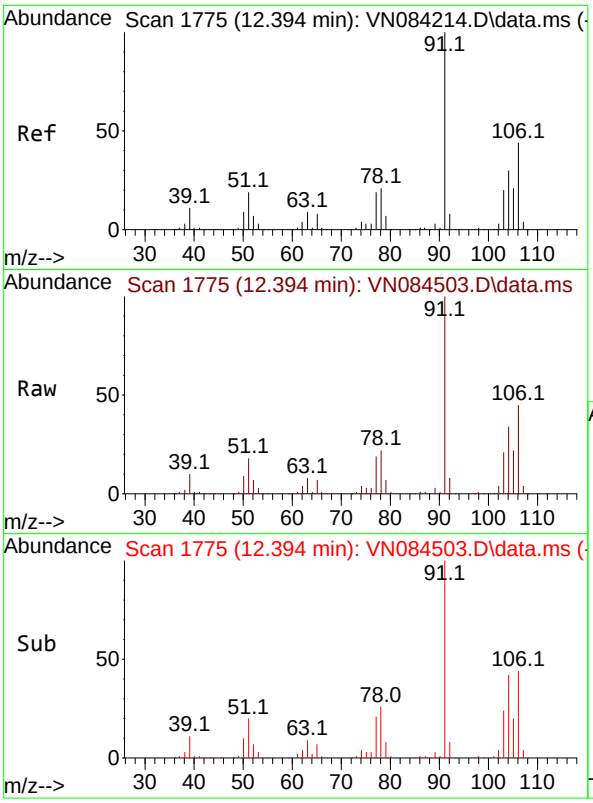


#68
m/p-Xylenes
Concen: 111.160 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:106 Resp: 442765

Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.1	250.7



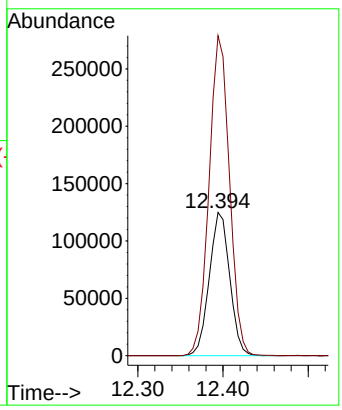


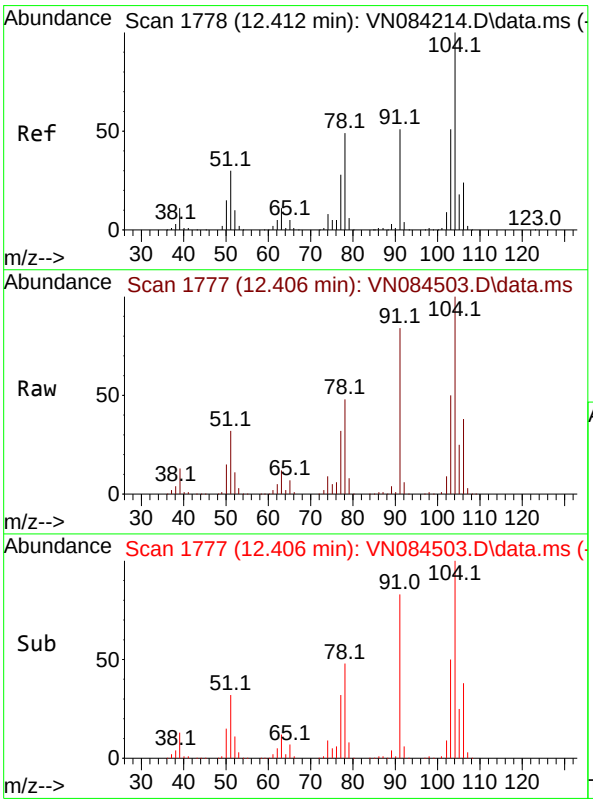
#69
o-Xylene
Concen: 55.158 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 207862

Ion	Ratio	Lower	Upper
106	100		
91	223.6	110.2	330.6

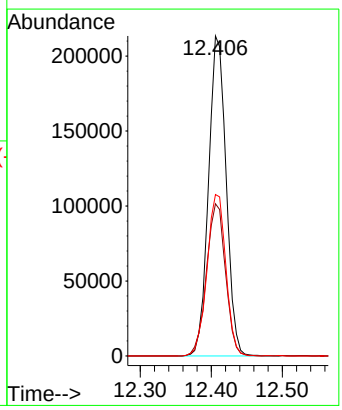


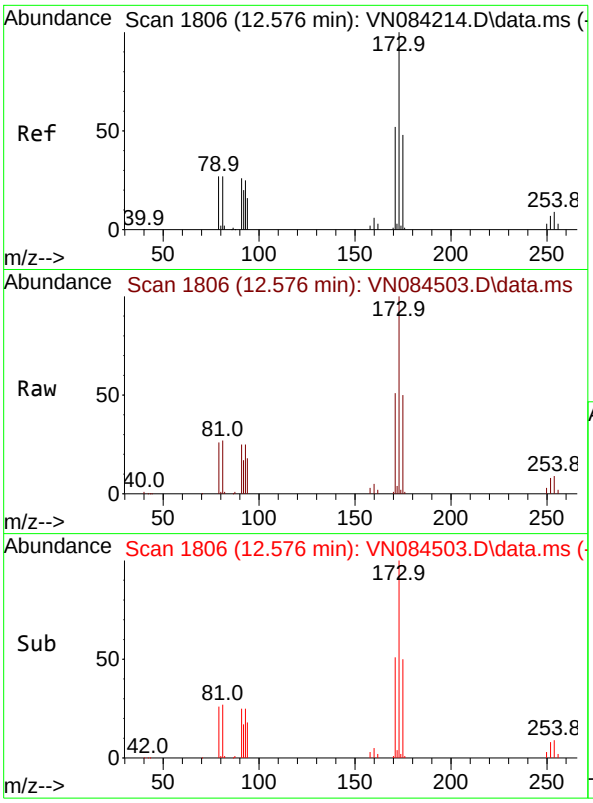


#70
Styrene
Concen: 57.594 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:104 Resp: 367629

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.0	43.6	65.4



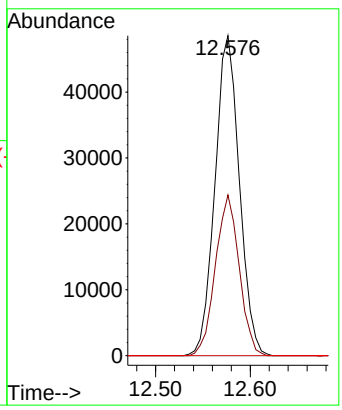


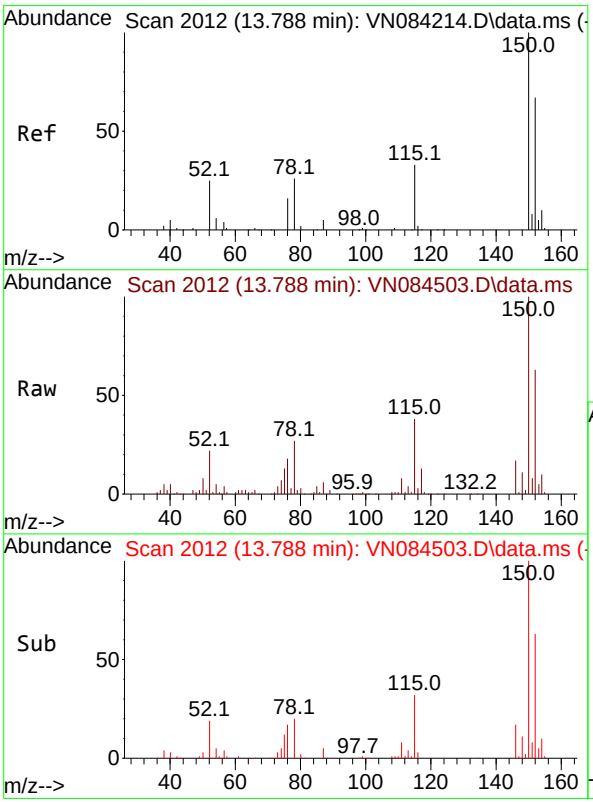
#71
Bromoform
Concen: 56.348 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 87003

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.0	0.0	0.0

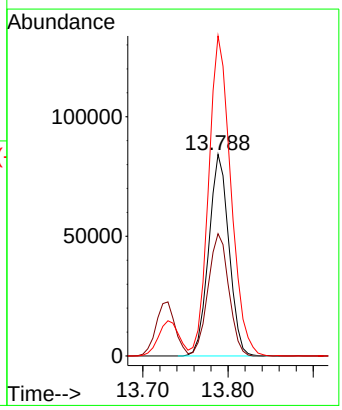


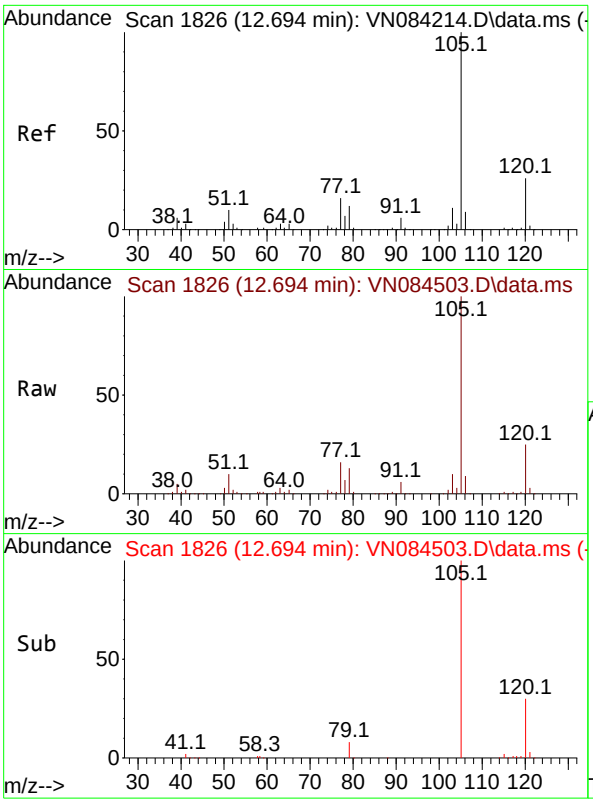


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:152 Resp: 138591

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	174.9	0.0	349.8



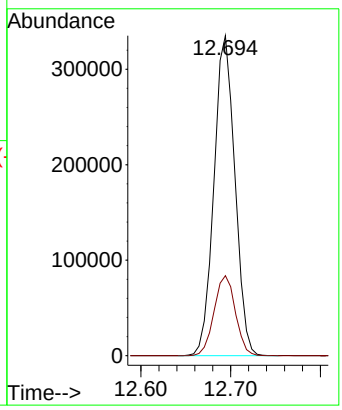


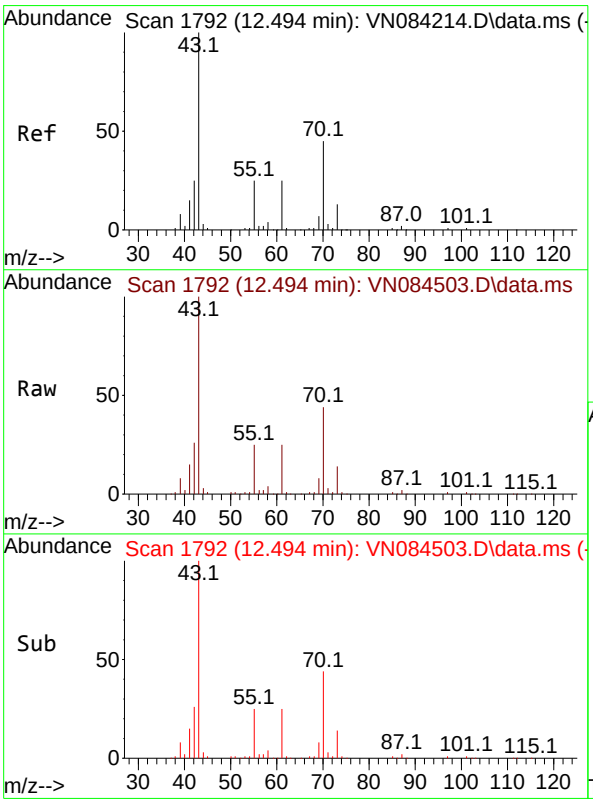
#73
Isopropylbenzene
Concen: 51.385 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 543431

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7

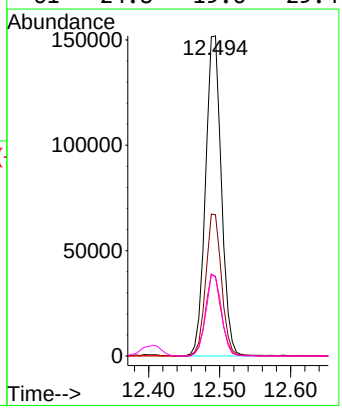


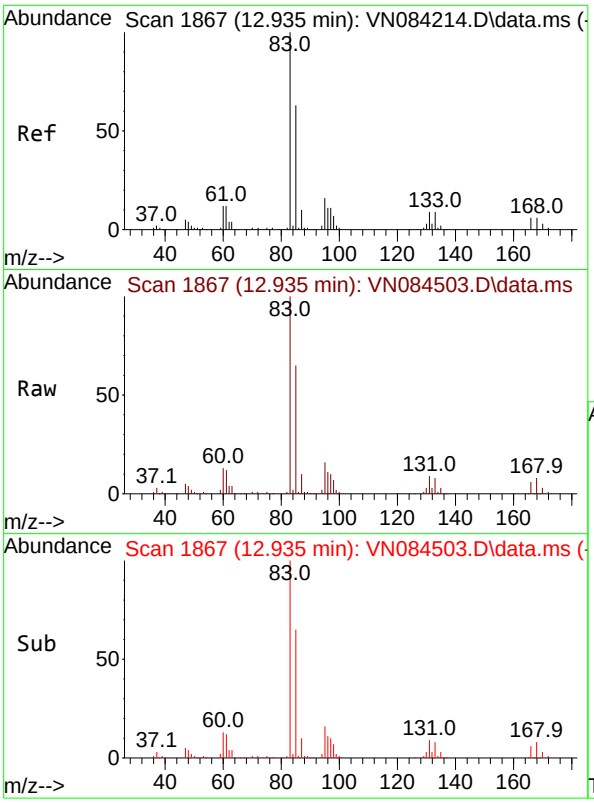


#74
N-amyl acetate
Concen: 49.533 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 43 Resp: 237218

Ion	Ratio	Lower	Upper
43	100		
70	43.8	34.4	51.6
55	25.5	19.6	29.4
61	24.8	19.6	29.4



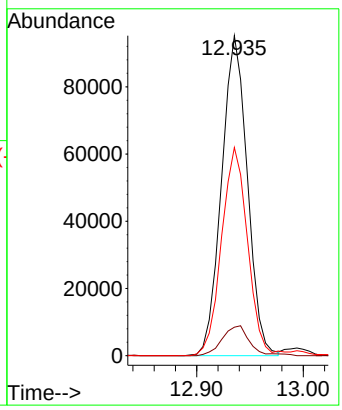


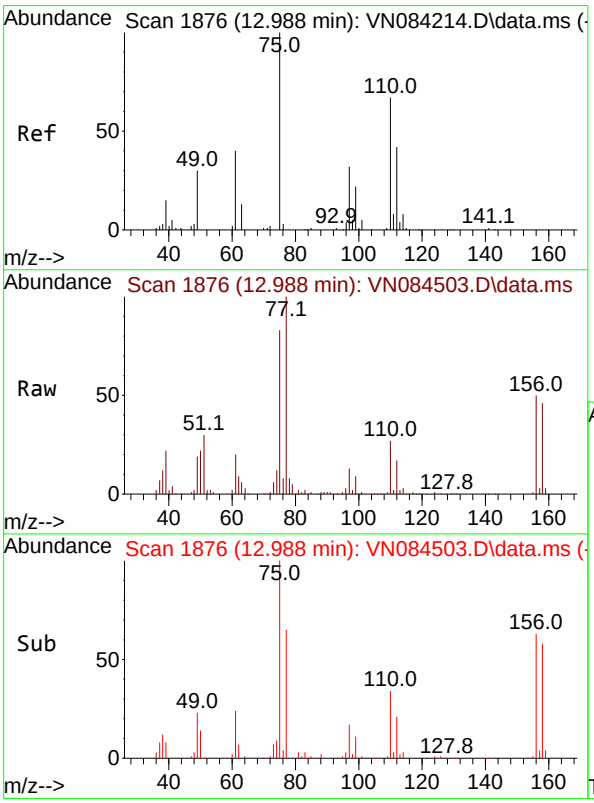
#75
1,1,2,2-Tetrachloroethane
Concen: 50.359 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 160145

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	65.8	31.9	95.7

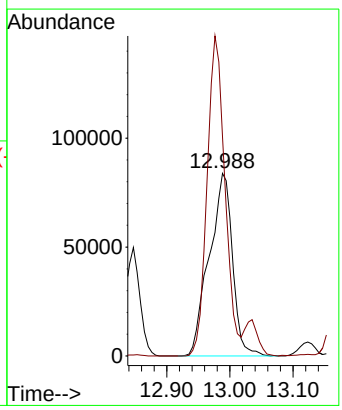


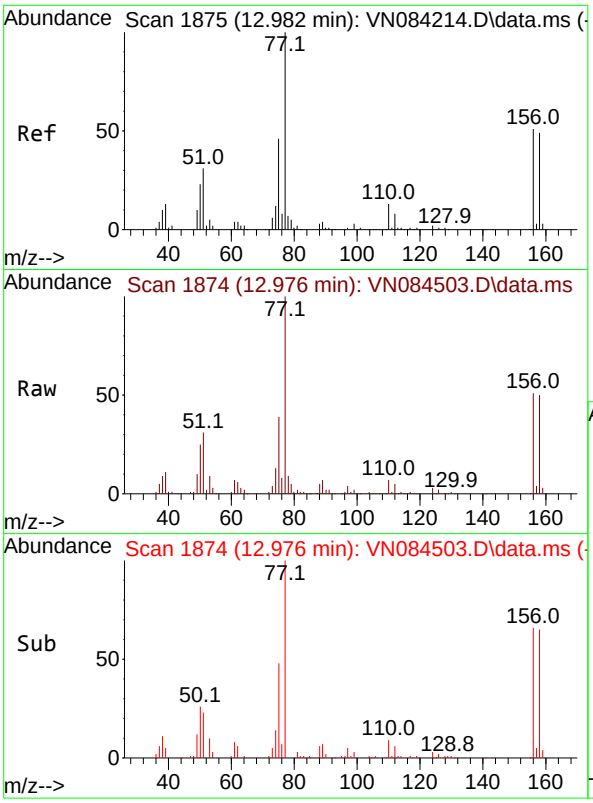


#76
1,2,3-Trichloropropane
Concen: 75.829 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 214548

Ion	Ratio	Lower	Upper
75	100		
77	134.7	96.9	290.7



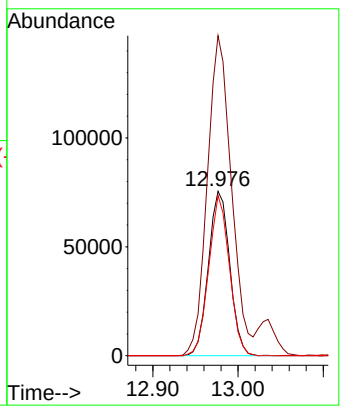


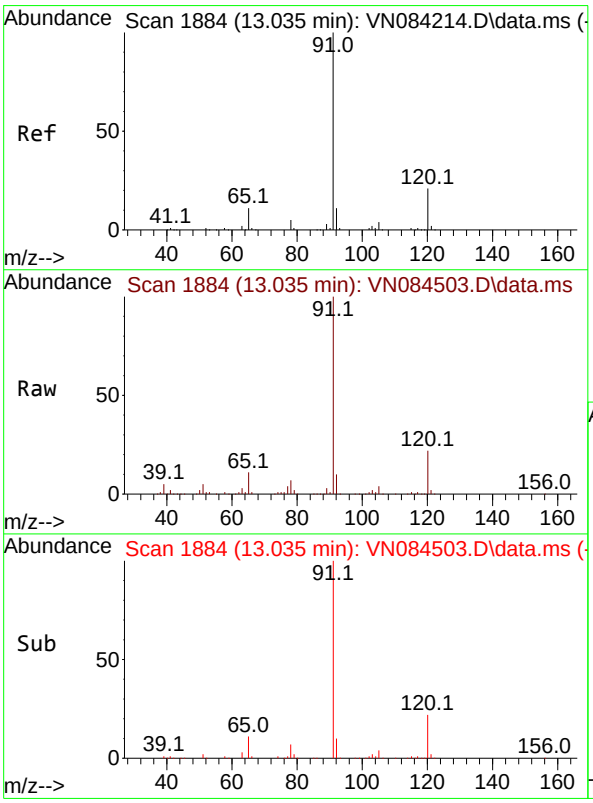
#77
Bromobenzene
Concen: 51.366 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 131034

Ion	Ratio	Lower	Upper
156	100		
77	220.5	115.1	345.3
158	94.5	48.9	146.8

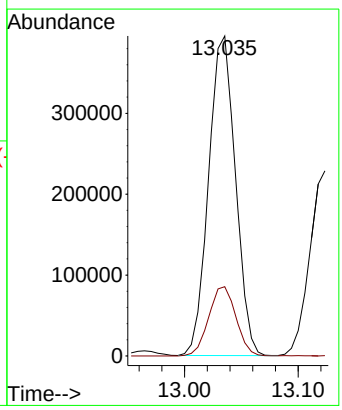


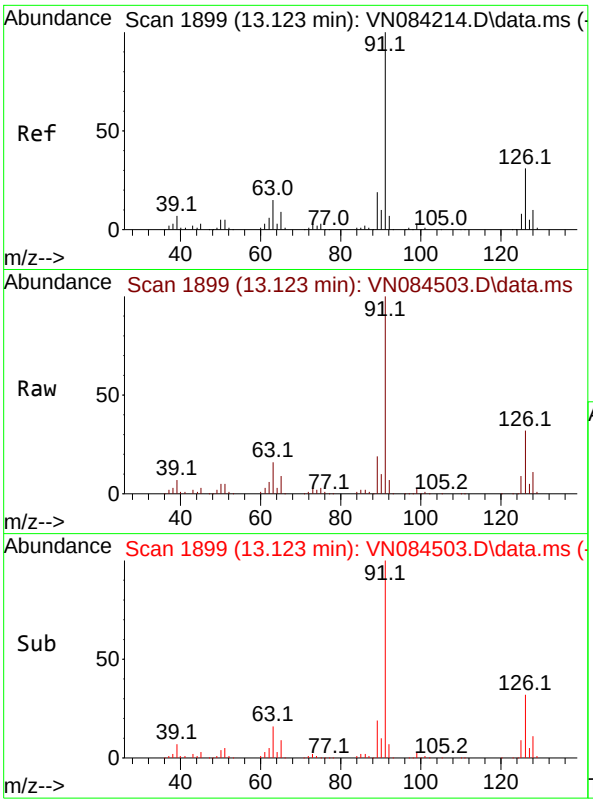


#78
n-propylbenzene
Concen: 52.981 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 649179

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



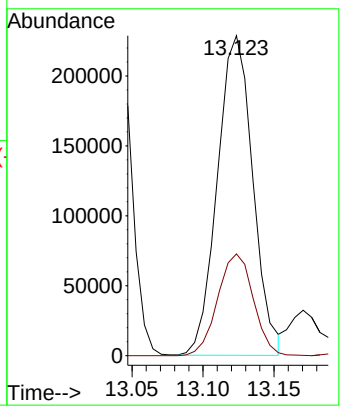


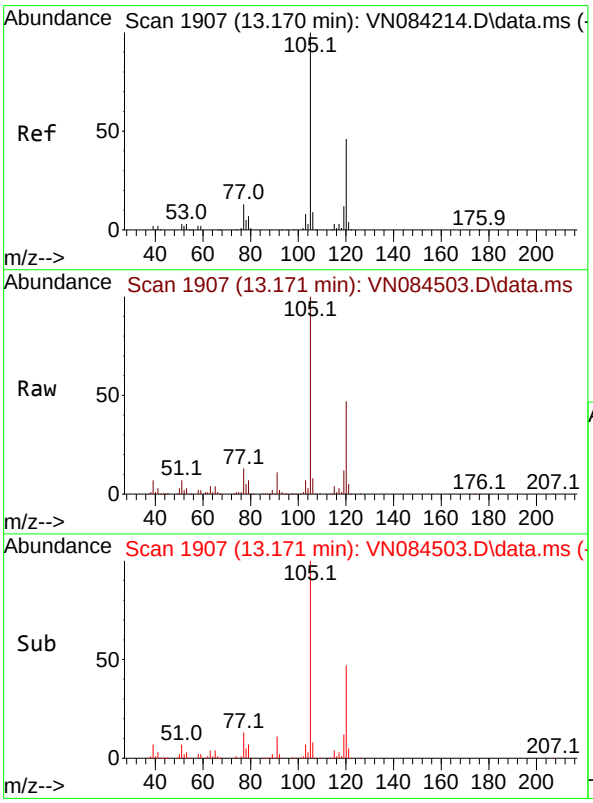
#79
2-Chlorotoluene
Concen: 50.768 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 396945

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

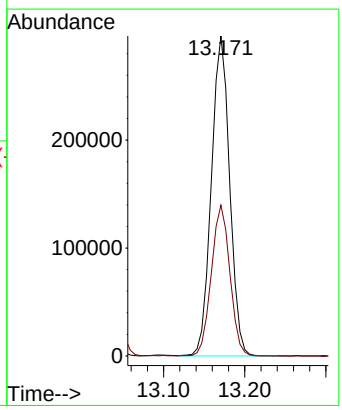


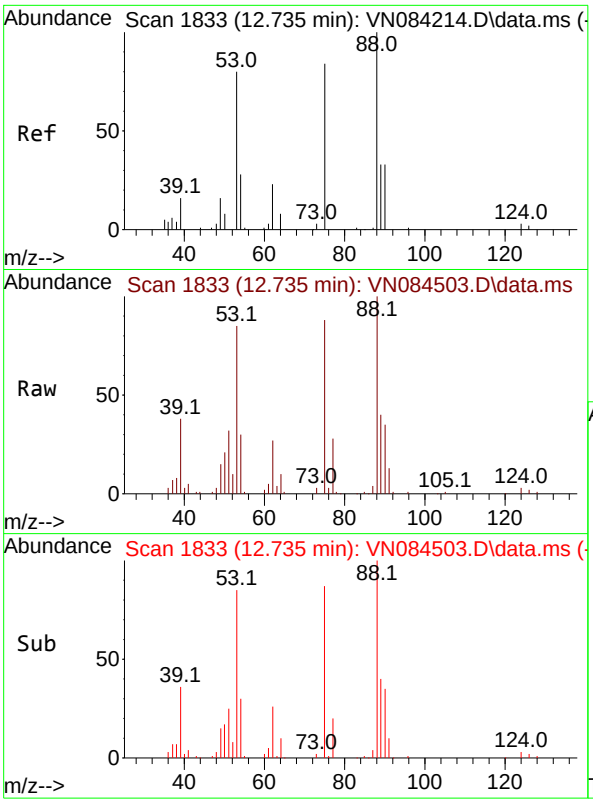


#80
1,3,5-Trimethylbenzene
Concen: 53.809 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 464199

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



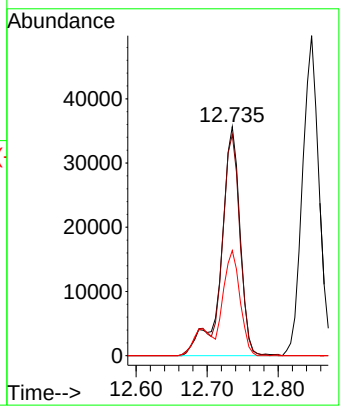


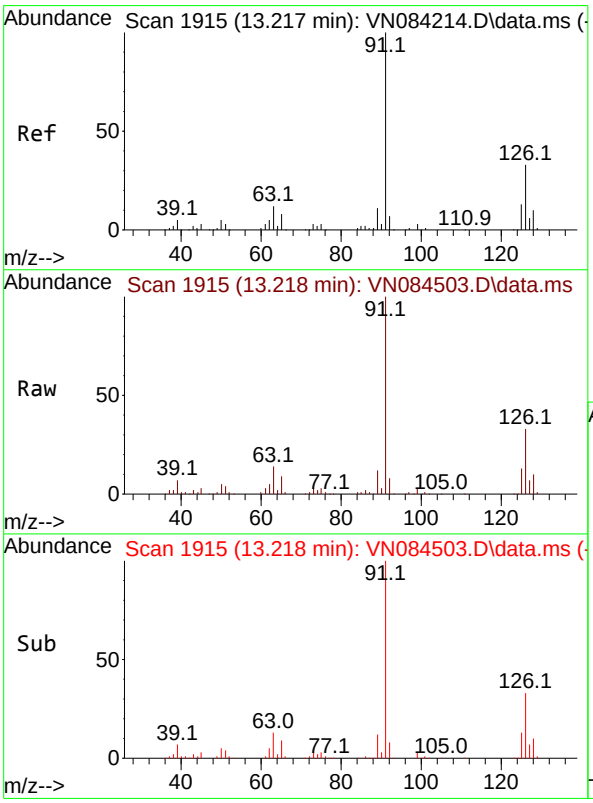
#81
trans-1,4-Dichloro-2-butene
Concen: 55.624 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 65645

Ion	Ratio	Lower	Upper
75	100		
53	86.6	78.0	117.0
89	40.2	35.5	53.3

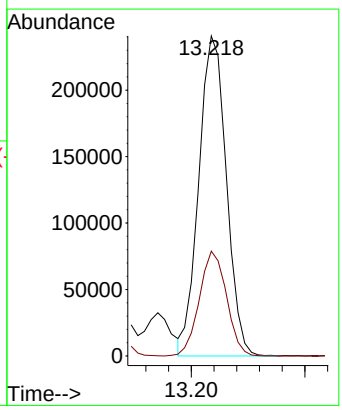


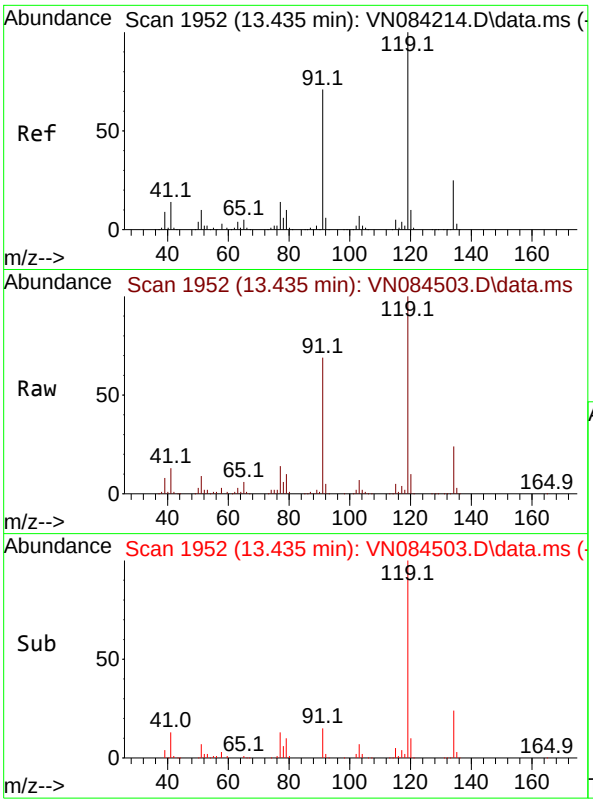


#82
4-Chlorotoluene
Concen: 51.584 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 91 Resp: 406014

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



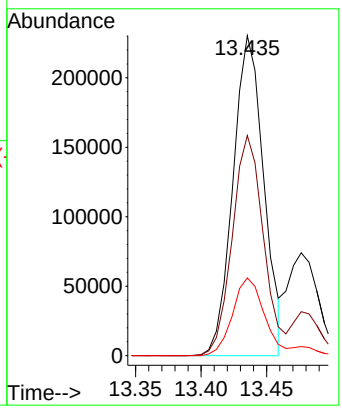


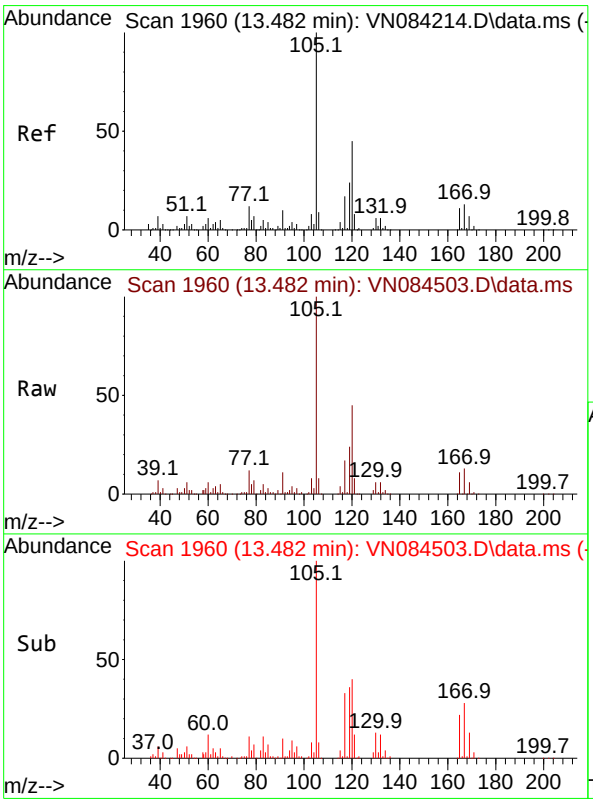
#83
tert-Butylbenzene
Concen: 49.081 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 376330

Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.1	102.3
134	25.4	12.8	38.4

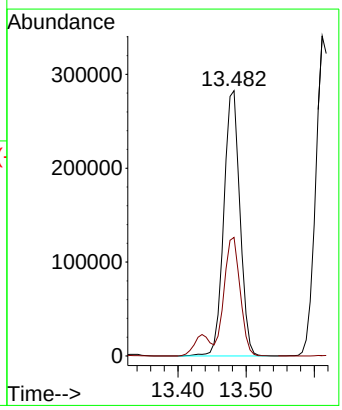


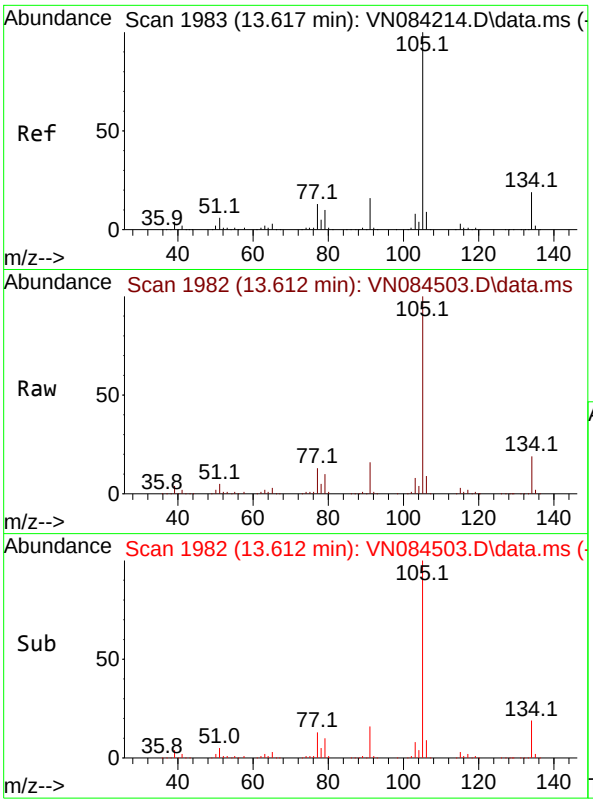


#84
1,2,4-Trimethylbenzene
Concen: 53.515 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:105 Resp: 465072

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8



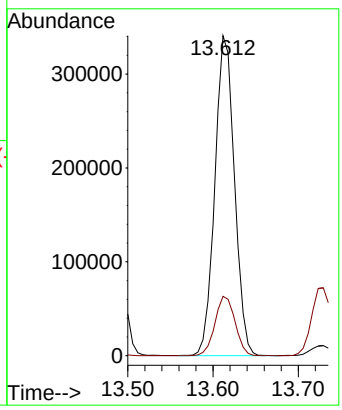


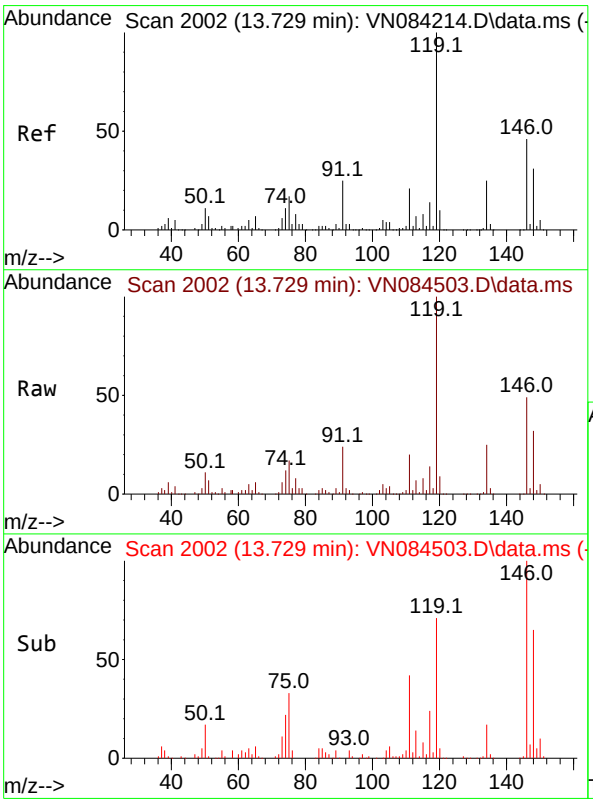
#85
sec-Butylbenzene
Concen: 53.211 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 544439

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

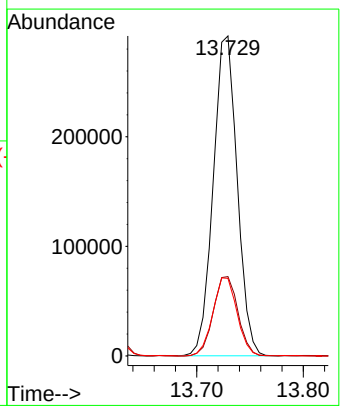


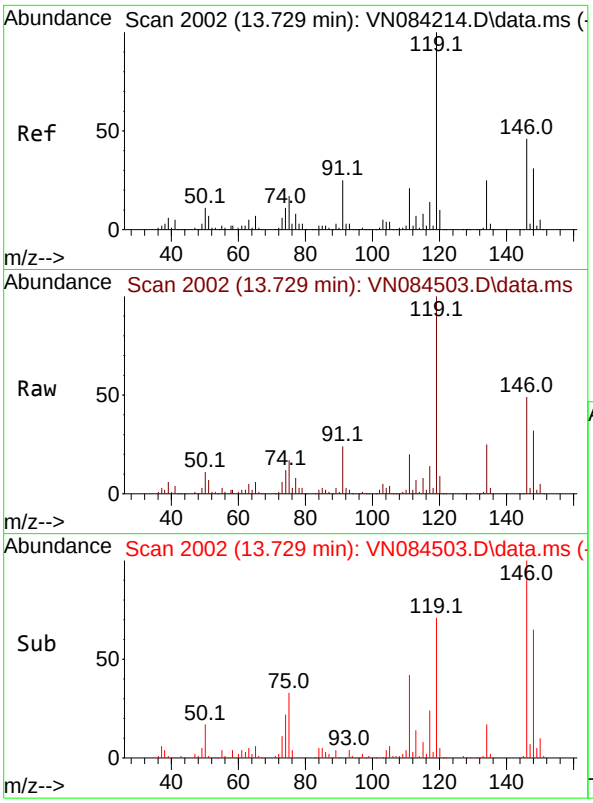


#86
p-Isopropyltoluene
Concen: 53.933 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:119 Resp: 456315

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	24.8	12.4	37.2



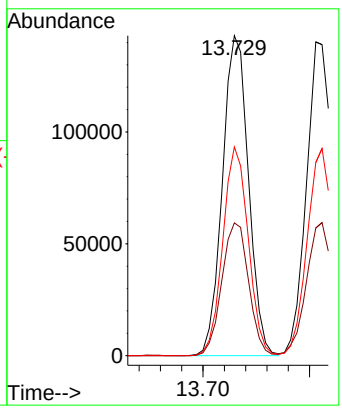


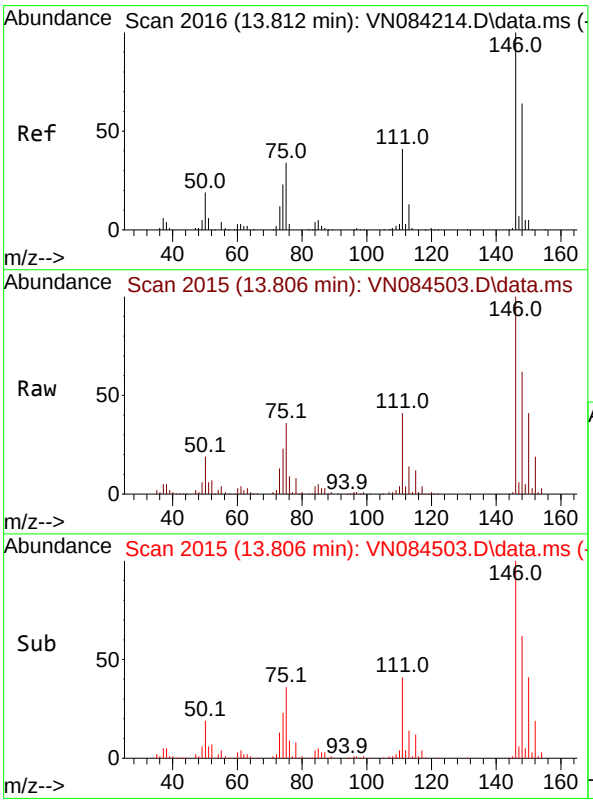
#87
1,3-Dichlorobenzene
Concen: 50.810 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 243161

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.7	31.9	95.7

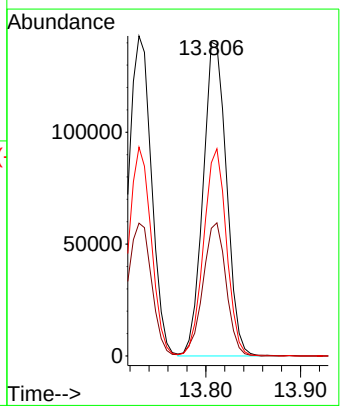


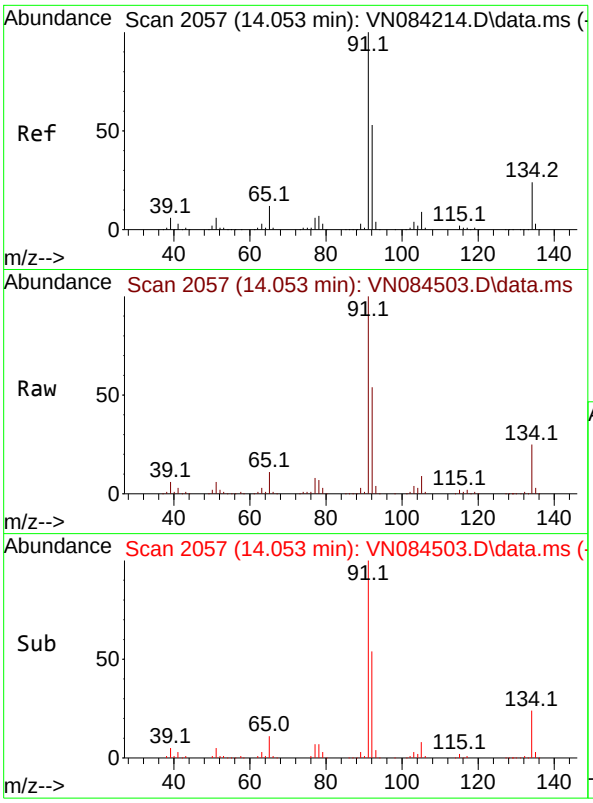


#88
1,4-Dichlorobenzene
Concen: 49.961 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:146 Resp: 241454

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.1	31.9	95.9



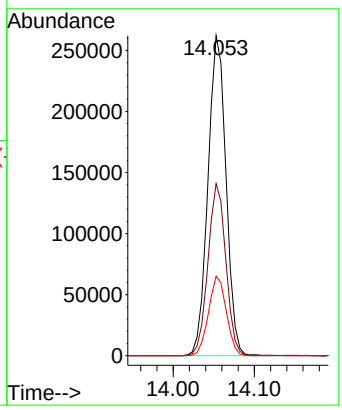


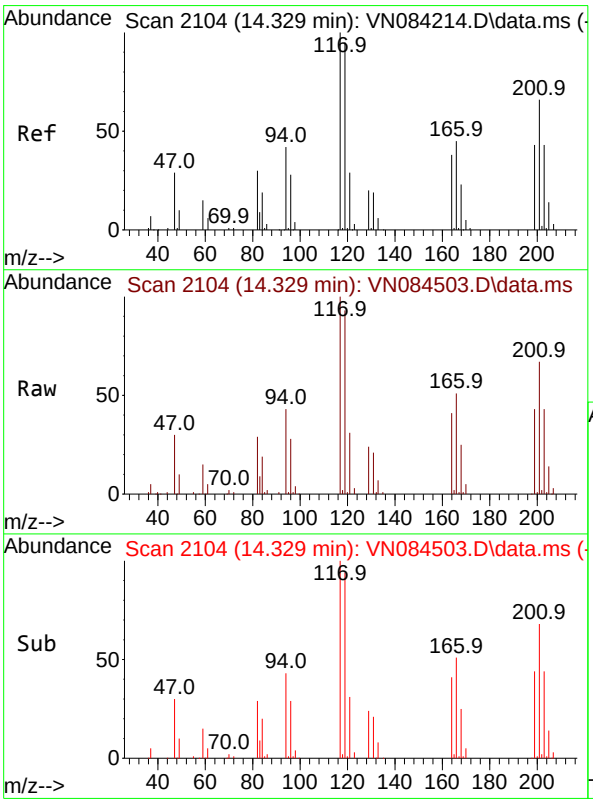
#89
n-Butylbenzene
Concen: 52.772 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 404862

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.4	12.3	36.9

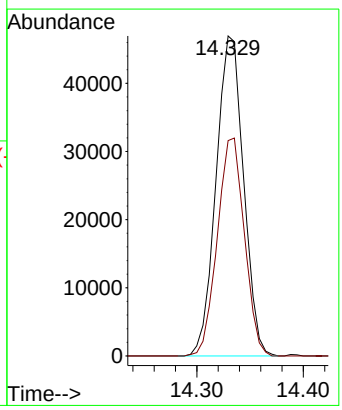


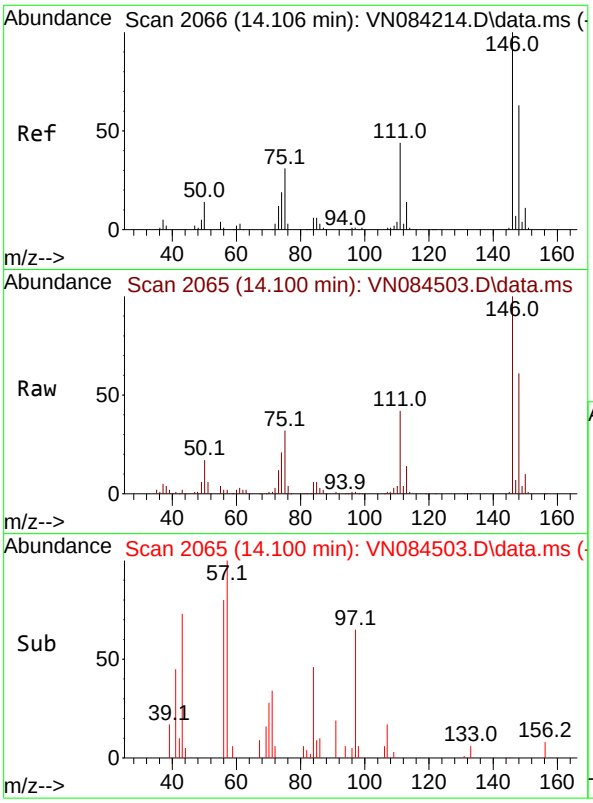


#90
Hexachloroethane
Concen: 48.991 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:117 Resp: 84136

Ion	Ratio	Lower	Upper
117	100		
201	66.9	34.4	103.2



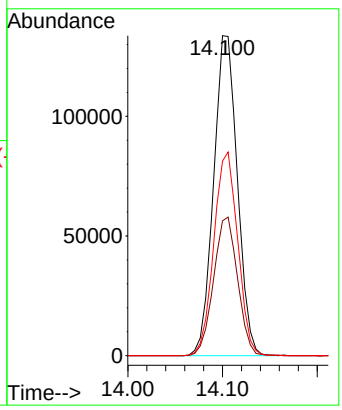


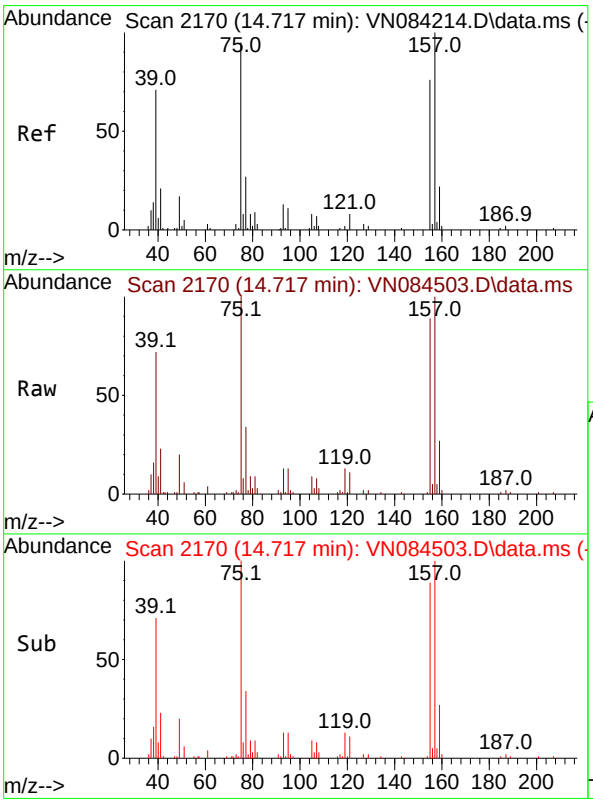
#91
1,2-Dichlorobenzene
Concen: 49.707 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 233253

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	64.0	32.1	96.3

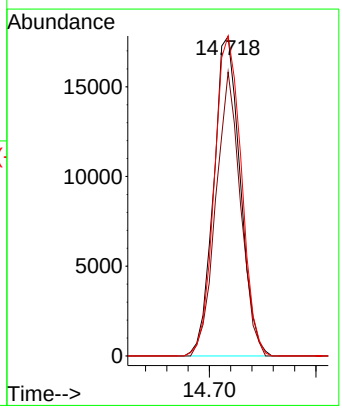


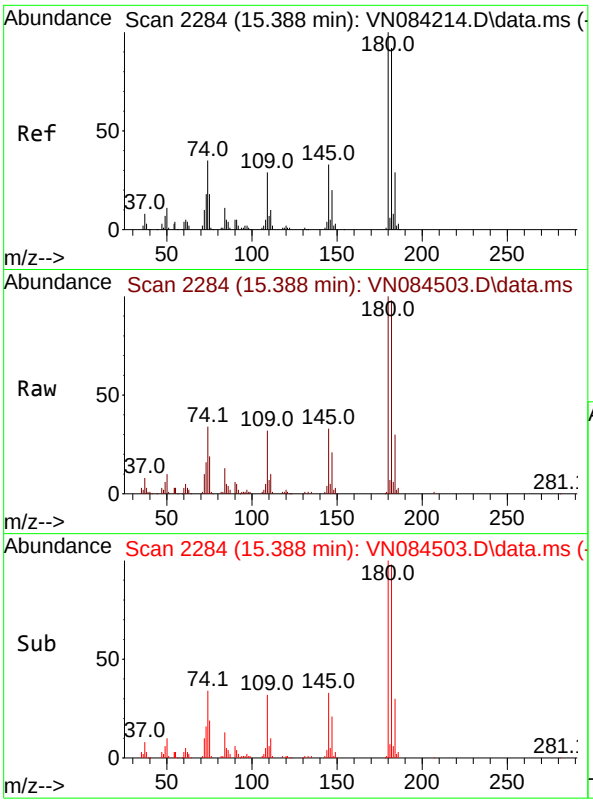


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.955 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion: 75 Resp: 30813

Ion	Ratio	Lower	Upper
75	100		
155	82.5	38.1	114.5
157	101.7	49.6	149.0



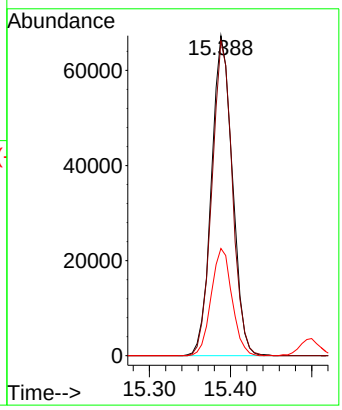


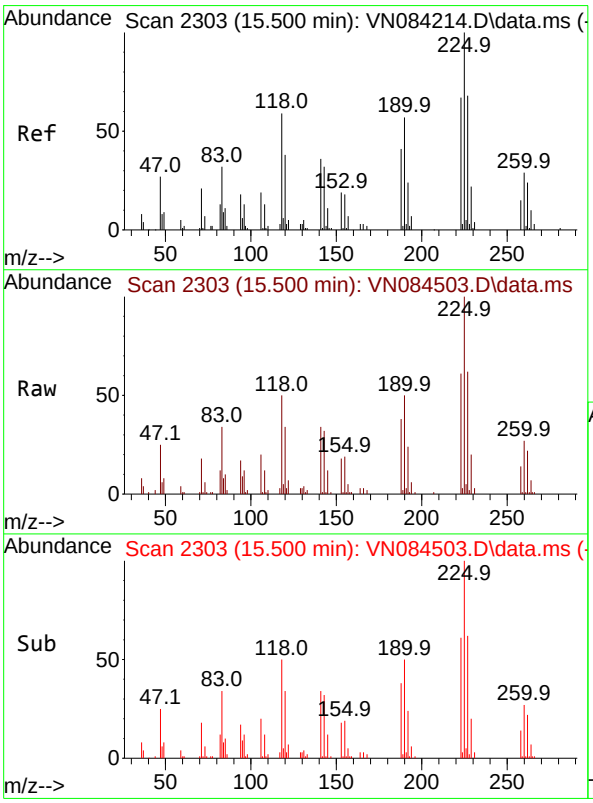
#93
1,2,4-Trichlorobenzene
Concen: 52.231 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 120724

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	33.2	16.4	49.4

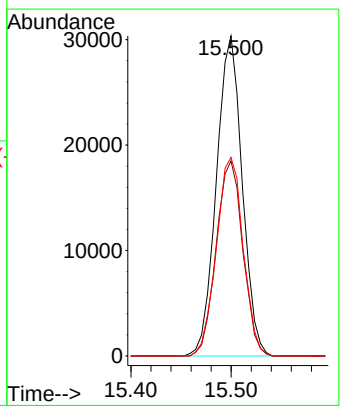


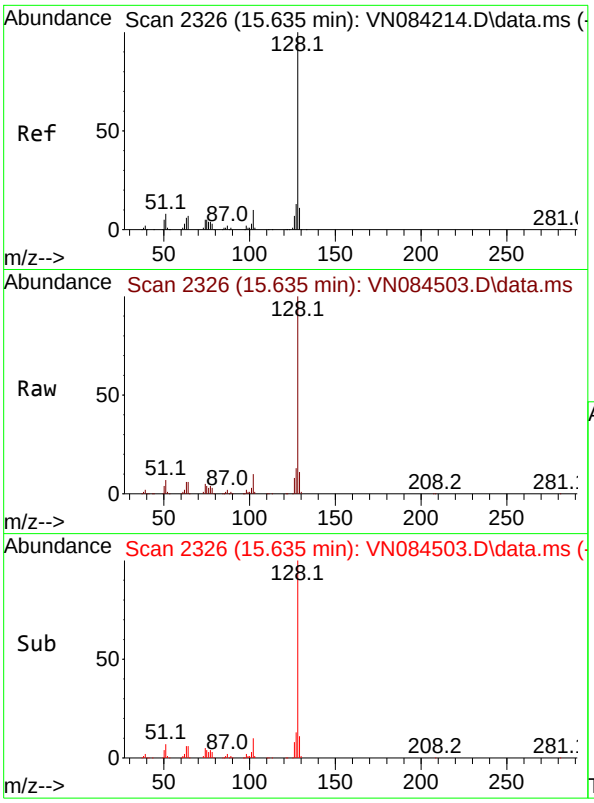


#94
Hexachlorobutadiene
Concen: 47.010 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:225 Resp: 54186

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	64.3	32.4	97.0



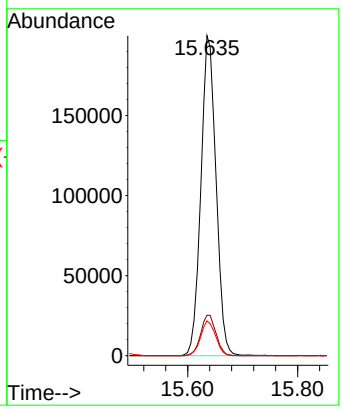


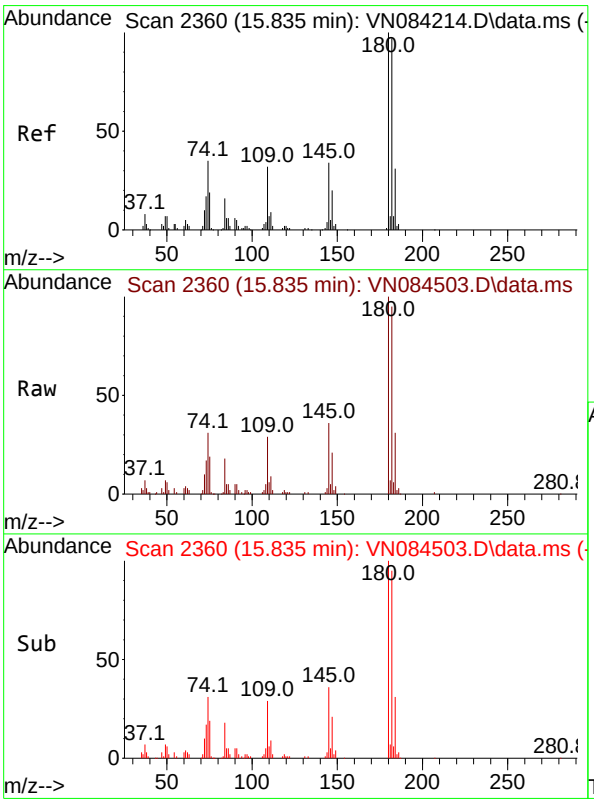
#95
Naphthalene
Concen: 49.799 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 381581

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1

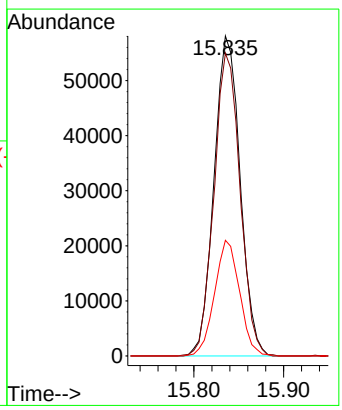




#96
1,2,3-Trichlorobenzene
Concen: 50.686 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084503.D
Acq: 25 Oct 2024 08:59

Tgt Ion:180 Resp: 117270

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	34.7	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121357	47.711	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.420%			
35) Dibromofluoromethane	8.165	113	98440	50.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	10.565	98	354456	49.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.847	95	133424	51.360	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	27726	13.663	ug/l	97
3) Chloromethane	2.359	50	35222	15.202	ug/l	96
4) Vinyl Chloride	2.512	62	36312	16.179	ug/l	98
5) Bromomethane	2.953	94	24035	16.236	ug/l	100
6) Chloroethane	3.118	64	24742	15.393	ug/l	90
7) Trichlorofluoromethane	3.495	101	63142	18.067	ug/l	98
8) Diethyl Ether	3.959	74	23319	17.991	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	36127	18.041	ug/l	99
10) Methyl Iodide	4.589	142	43700	16.945	ug/l	96
11) Tert butyl alcohol	5.530	59	41408	98.728	ug/l #	73
12) 1,1-Dichloroethene	4.342	96	35205	18.226	ug/l	98
13) Acrolein	4.183	56	50668	105.230	ug/l	100
14) Allyl chloride	5.024	41	55306	16.487	ug/l	96
15) Acrylonitrile	5.718	53	105726	99.822	ug/l	99
16) Acetone	4.424	43	103041	94.302	ug/l	96
17) Carbon Disulfide	4.706	76	90239	14.756	ug/l	100
18) Methyl Acetate	5.024	43	49195	20.657	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	125176	19.201	ug/l	100
20) Methylene Chloride	5.271	84	40654	18.303	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	36842	18.206	ug/l	99
22) Diisopropyl ether	6.677	45	133205	19.197	ug/l	99
23) Vinyl Acetate	6.600	43	498831	96.927	ug/l	99
24) 1,1-Dichloroethane	6.565	63	74694	19.249	ug/l	98
25) 2-Butanone	7.483	43	150891	101.389	ug/l	97
26) 2,2-Dichloropropane	7.494	77	65133	18.616	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	46425	18.985	ug/l	99
28) Bromochloromethane	7.812	49	36398	21.023	ug/l	98
29) Tetrahydrofuran	7.841	42	94143	102.506	ug/l	96
30) Chloroform	7.965	83	78597	19.500	ug/l	95
31) Cyclohexane	8.259	56	61664	16.367	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69215	19.120	ug/l	96
36) 1,1-Dichloropropene	8.371	75	52866	18.778	ug/l	99
37) Ethyl Acetate	7.559	43	59834	20.716	ug/l	100
38) Carbon Tetrachloride	8.359	117	58702	19.008	ug/l	99
39) Methylcyclohexane	9.600	83	53070	16.937	ug/l	92
40) Benzene	8.606	78	168355	19.193	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	31128	19.852	ug/l		97
42) 1,2-Dichloroethane	8.671	62	58130	19.548	ug/l		100
43) Isopropyl Acetate	8.688	43	104055	18.393	ug/l		98
44) Trichloroethene	9.347	130	40633	19.834	ug/l		96
45) 1,2-Dichloropropane	9.624	63	41836	20.162	ug/l		98
46) Dibromomethane	9.706	93	29427	21.015	ug/l		99
47) Bromodichloromethane	9.888	83	62197	19.993	ug/l	#	96
48) Methyl methacrylate	9.677	41	43499	19.316	ug/l		97
49) 1,4-Dioxane	9.694	88	18121	437.079	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.441	43	303407	110.350	ug/l		100
52) Toluene	10.629	92	104966	19.624	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	60652	19.126	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	66296	19.436	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	41159	21.465	ug/l		97
56) Ethyl methacrylate	10.871	69	65671	20.814	ug/l		97
57) 1,3-Dichloropropane	11.165	76	69577	20.306	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	152054	103.886	ug/l		98
59) 2-Hexanone	11.194	43	224074	109.038	ug/l		100
60) Dibromochloromethane	11.359	129	47794	21.095	ug/l		99
61) 1,2-Dibromoethane	11.465	107	40071	20.111	ug/l		97
64) Tetrachloroethene	11.100	164	34033	18.815	ug/l		95
65) Chlorobenzene	11.888	112	112381	19.517	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	40507	20.424	ug/l		96
67) Ethyl Benzene	11.965	91	191570	18.813	ug/l		98
68) m/p-Xylenes	12.070	106	149303	39.637	ug/l		99
69) o-Xylene	12.400	106	70967	19.913	ug/l		98
70) Styrene	12.412	104	121840	20.184	ug/l		98
71) Bromoform	12.576	173	30450	20.854	ug/l	#	94
73) Isopropylbenzene	12.694	105	177747	17.846	ug/l		99
74) N-amyl acetate	12.494	43	83413	18.494	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	59930	20.011	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	78010	29.276	ug/l		58
77) Bromobenzene	12.982	156	44762	18.632	ug/l		99
78) n-propylbenzene	13.035	91	215810	18.702	ug/l		99
79) 2-Chlorotoluene	13.123	91	136297	18.510	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	153246	18.862	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	22332	20.093	ug/l		96
82) 4-Chlorotoluene	13.223	91	138768	18.721	ug/l		100
83) tert-Butylbenzene	13.435	119	128615	17.811	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	157700	19.268	ug/l		98
85) sec-Butylbenzene	13.617	105	178019	18.475	ug/l		99
86) p-Isopropyltoluene	13.729	119	149454	18.757	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	83237	18.469	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	83627	18.374	ug/l		98
89) n-Butylbenzene	14.059	91	121940	16.877	ug/l		100
90) Hexachloroethane	14.335	117	27574	17.049	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	81762	18.501	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11856	19.184	ug/l		99
93) 1,2,4-Trichlorobenzene	15.394	180	38758	17.806	ug/l		100
94) Hexachlorobutadiene	15.500	225	17672	16.280	ug/l		98
95) Naphthalene	15.641	128	123953	17.177	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	38435	17.640	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

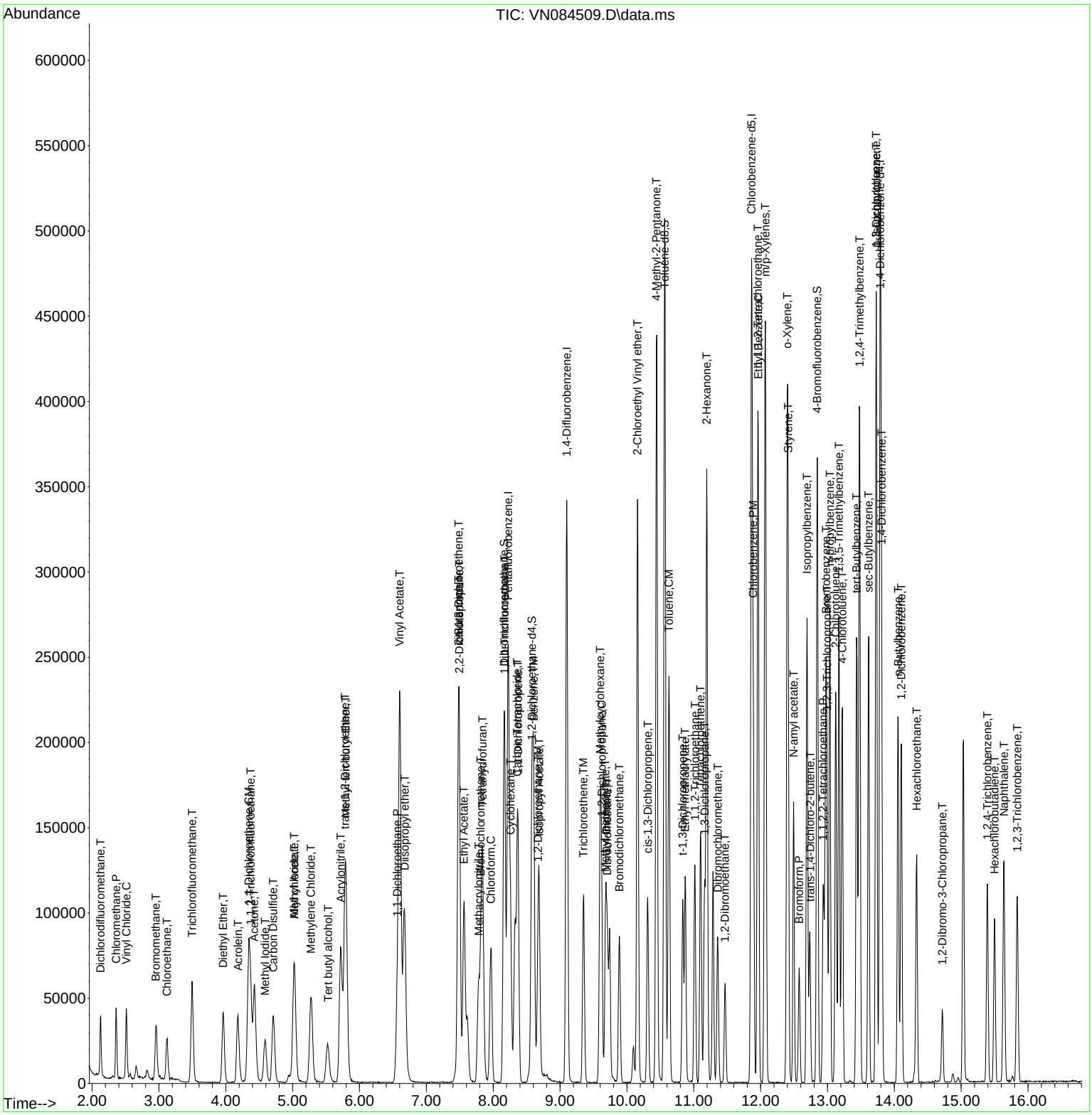
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

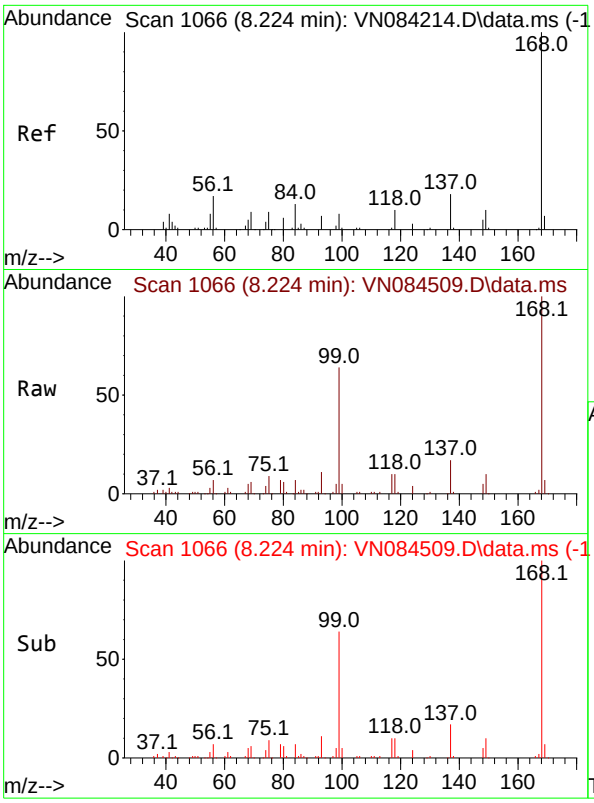
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084509.D
Acq On : 25 Oct 2024 12:27
Operator : JC\MD
Sample : VN1025WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Quant Time: Oct 25 23:30:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



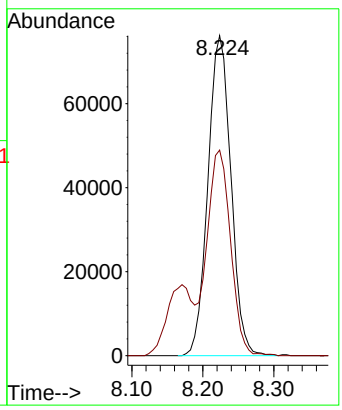


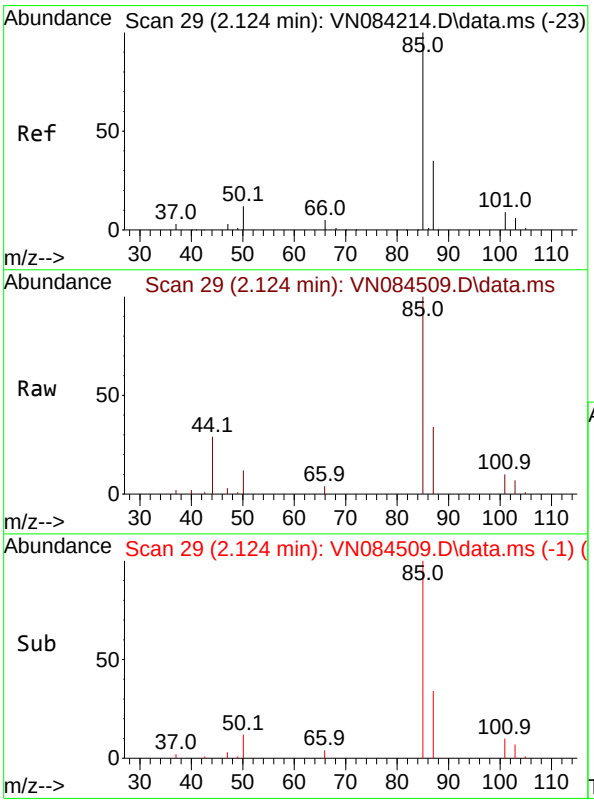
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:168 Resp: 171552

Ion	Ratio	Lower	Upper
168	100		
99	64.2	54.2	81.2

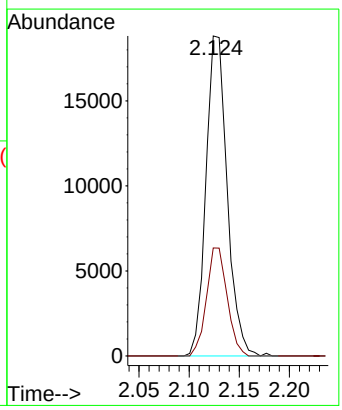


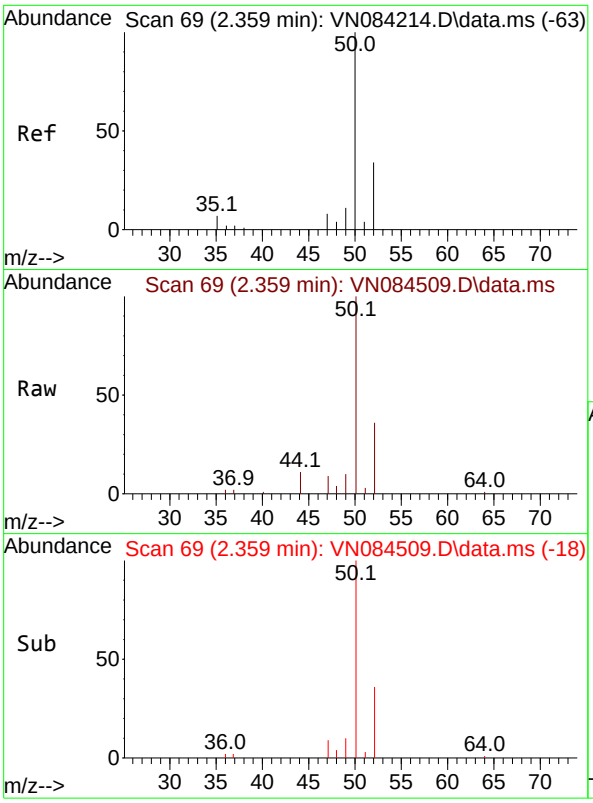


#2
Dichlorodifluoromethane
Concen: 13.663 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 85 Resp: 27726

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9



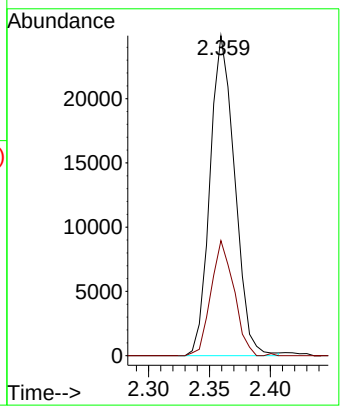


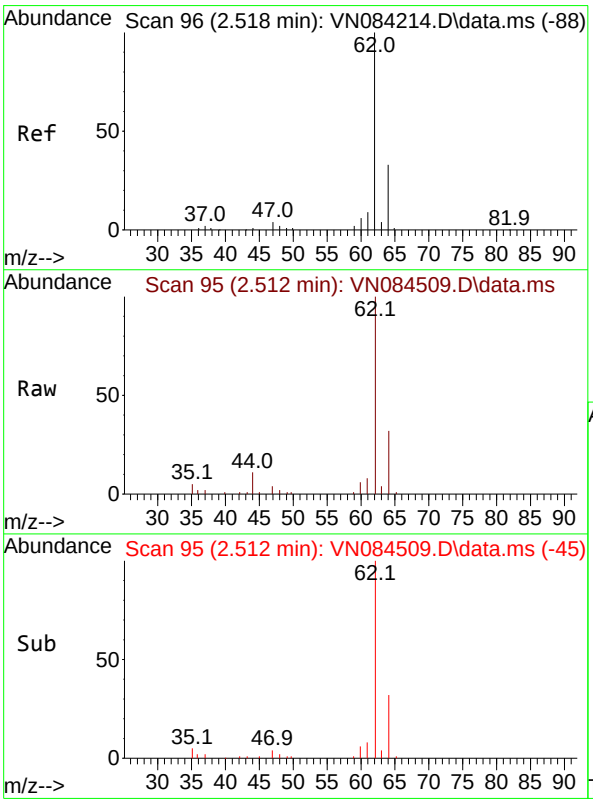
#3
Chloromethane
Concen: 15.202 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 50 Resp: 35222

Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.8	40.2

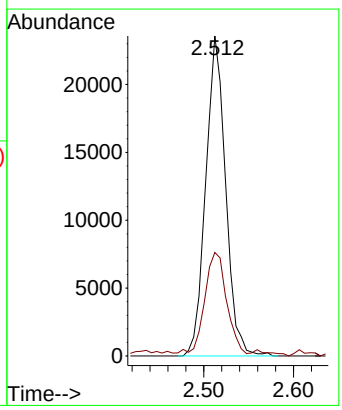


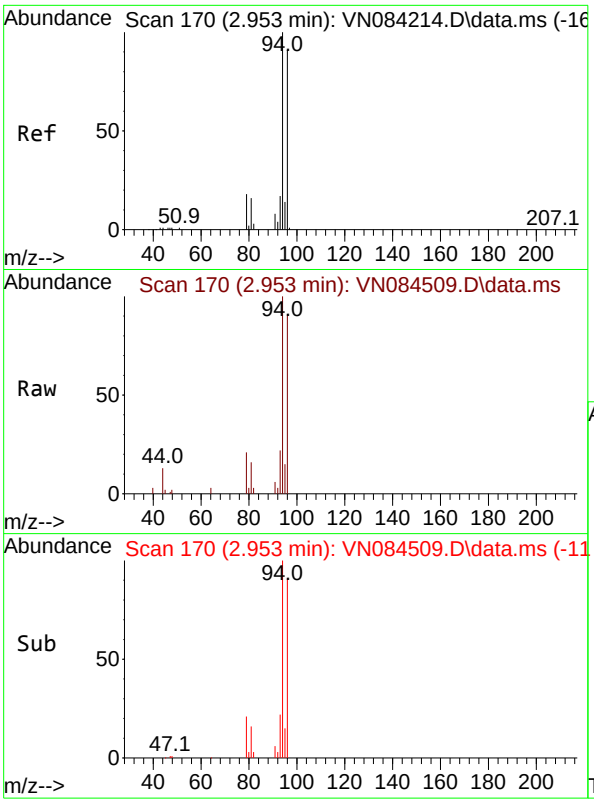


#4
Vinyl Chloride
Concen: 16.179 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 62 Resp: 36312

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.2	39.4



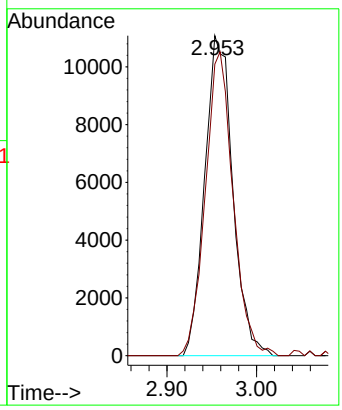


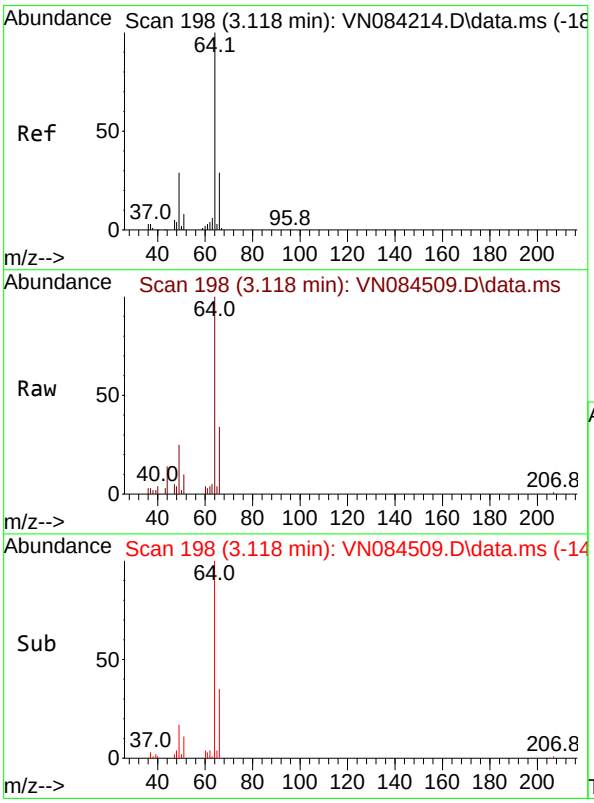
#5
Bromomethane
Concen: 16.236 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 94 Resp: 24035

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3

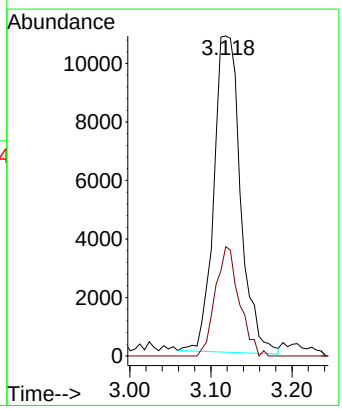


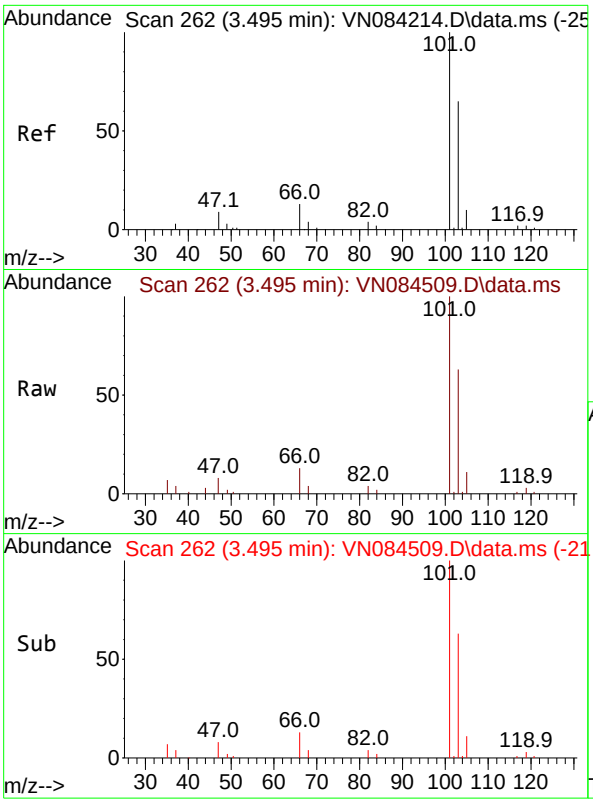


#6
Chloroethane
Concen: 15.393 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 64 Resp: 24742

Ion	Ratio	Lower	Upper
64	100		
66	34.8	23.5	35.3



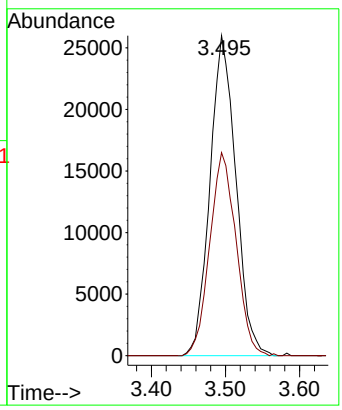


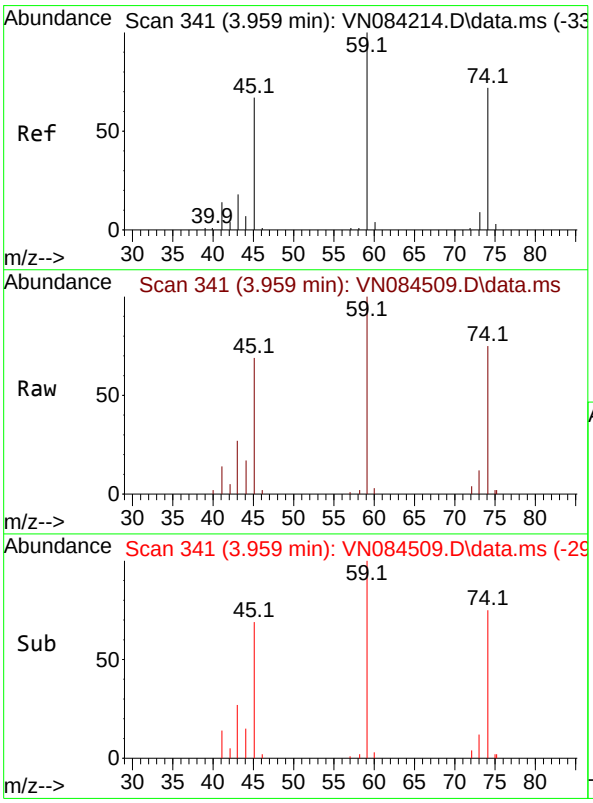
#7
Trichlorofluoromethane
Concen: 18.067 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:101 Resp: 63142

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

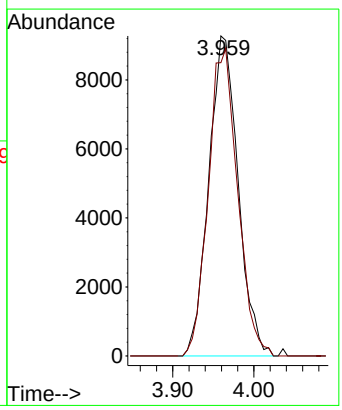


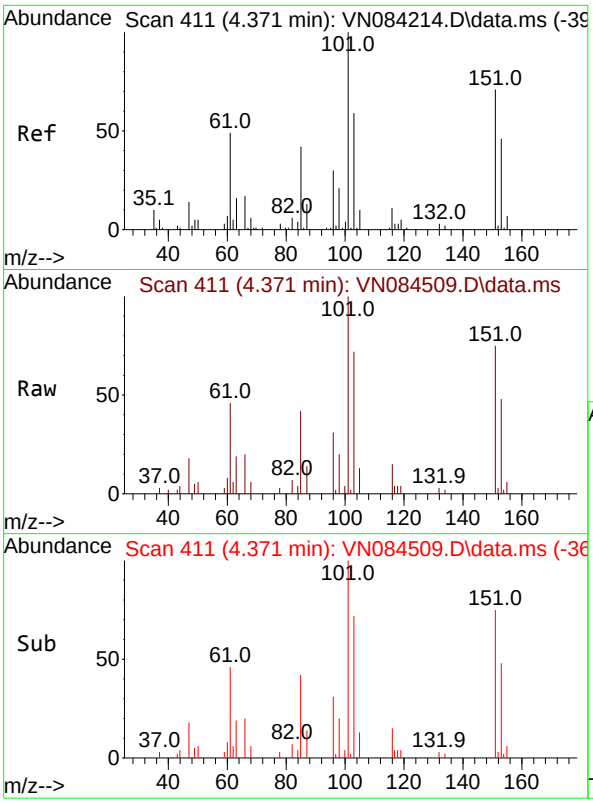


#8
Diethyl Ether
Concen: 17.991 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 74 Resp: 23319

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.7	143.1



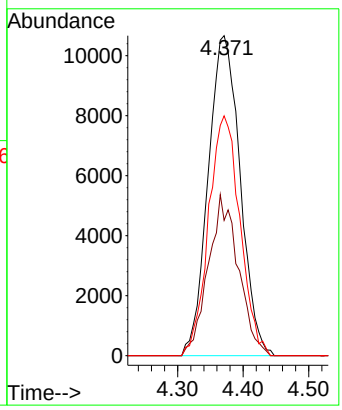


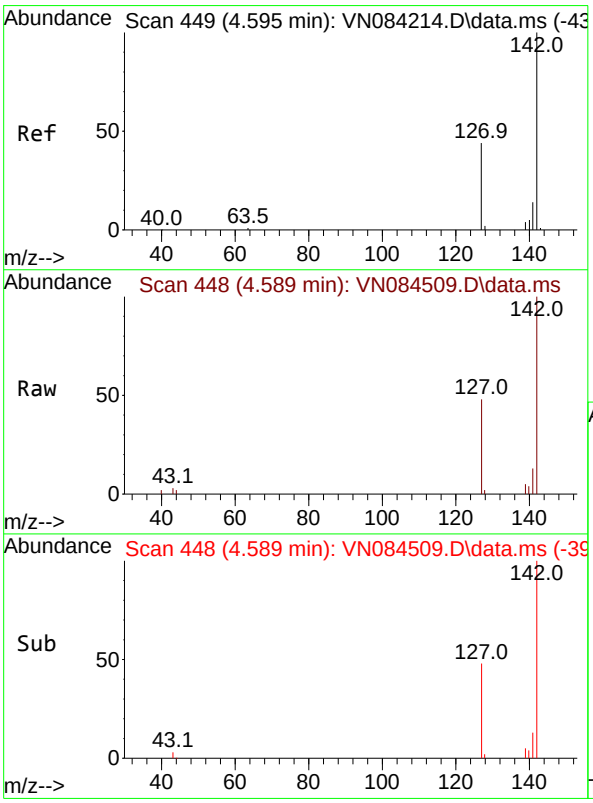
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.041 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:101 Resp: 36127

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	73.7	59.3	88.9

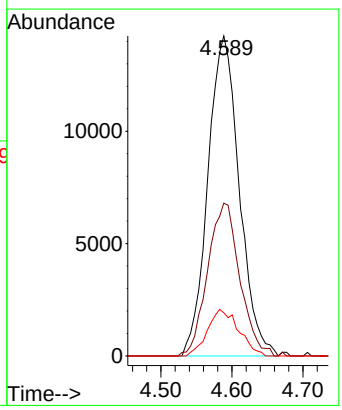


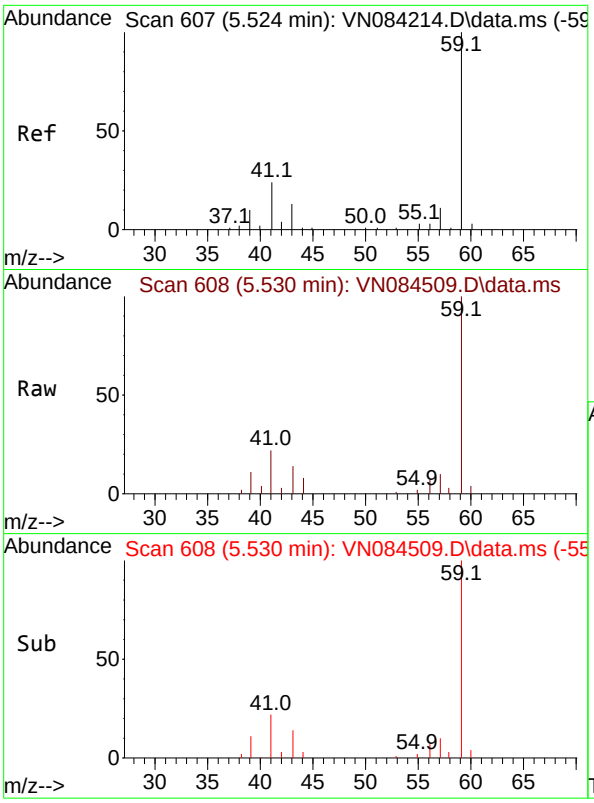


#10
Methyl Iodide
Concen: 16.945 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:142 Resp: 43700

Ion	Ratio	Lower	Upper
142	100		
127	47.8	35.3	52.9
141	13.5	11.0	16.6



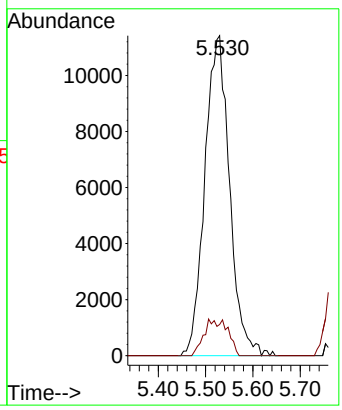


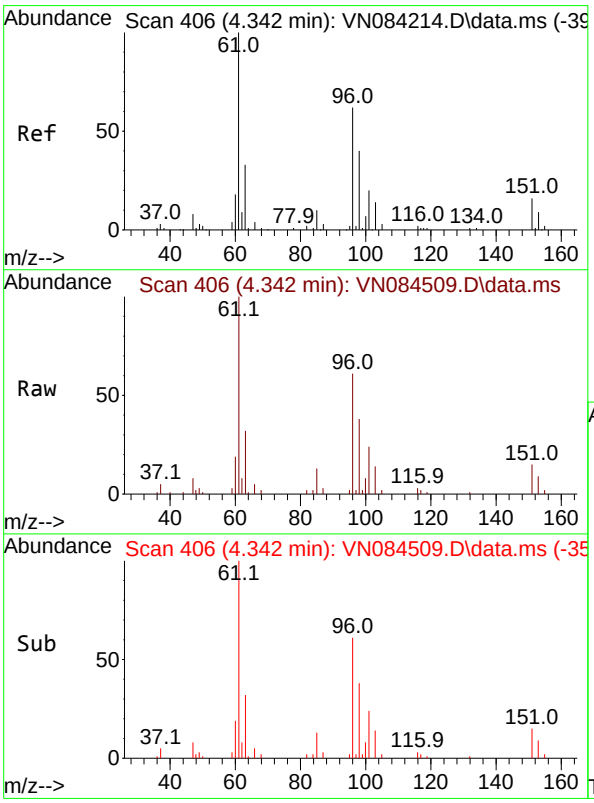
#11
Tert butyl alcohol
Concen: 98.728 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 59 Resp: 41408

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

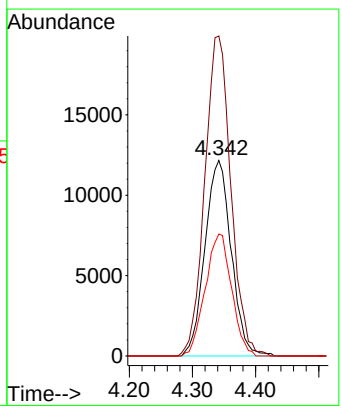


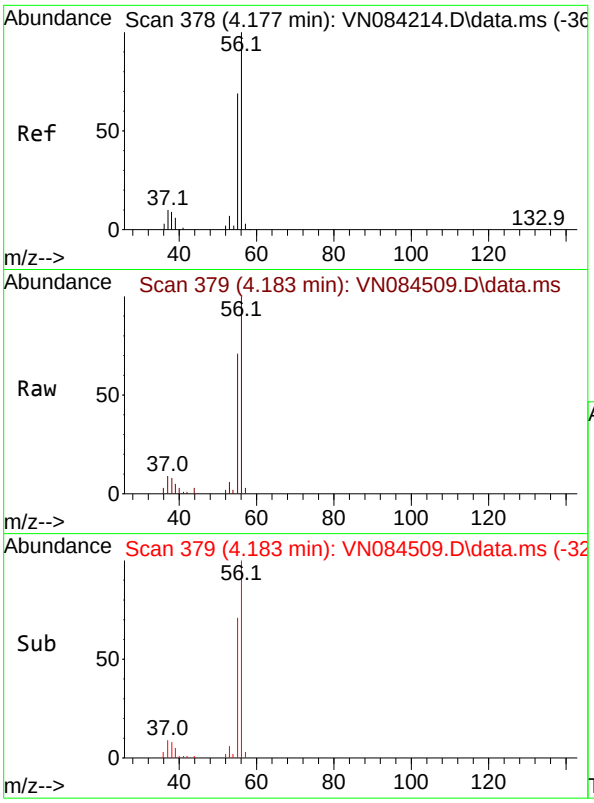


#12
1,1-Dichloroethene
Concen: 18.226 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 96 Resp: 35205

Ion	Ratio	Lower	Upper
96	100		
61	163.6	128.6	192.8
98	62.3	51.7	77.5



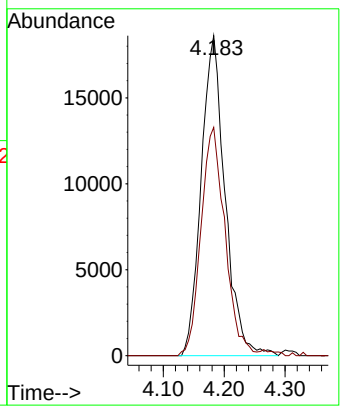


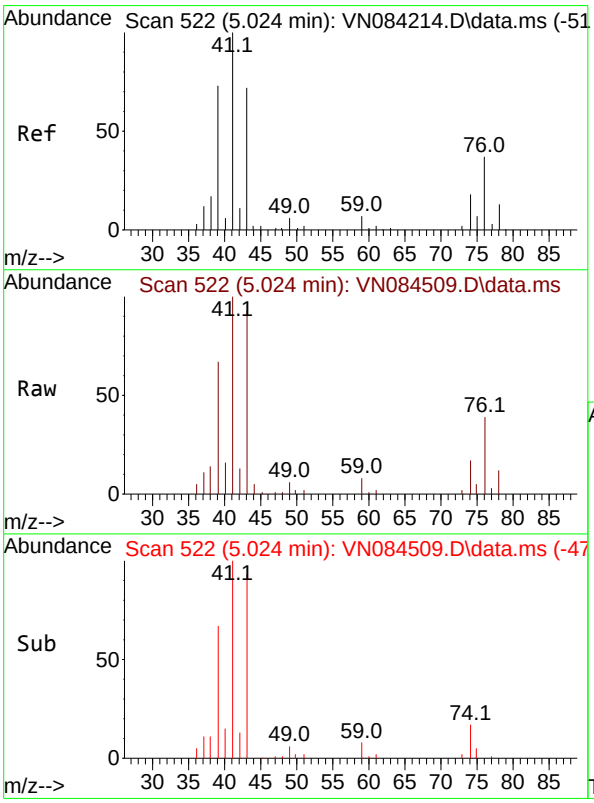
#13
Acrolein
Concen: 105.230 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 56 Resp: 50668

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8

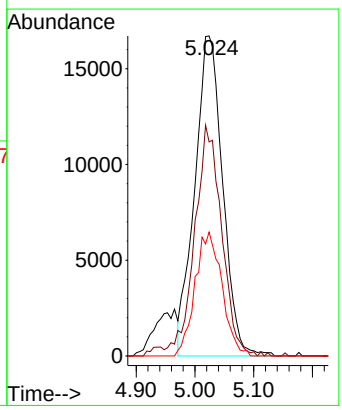


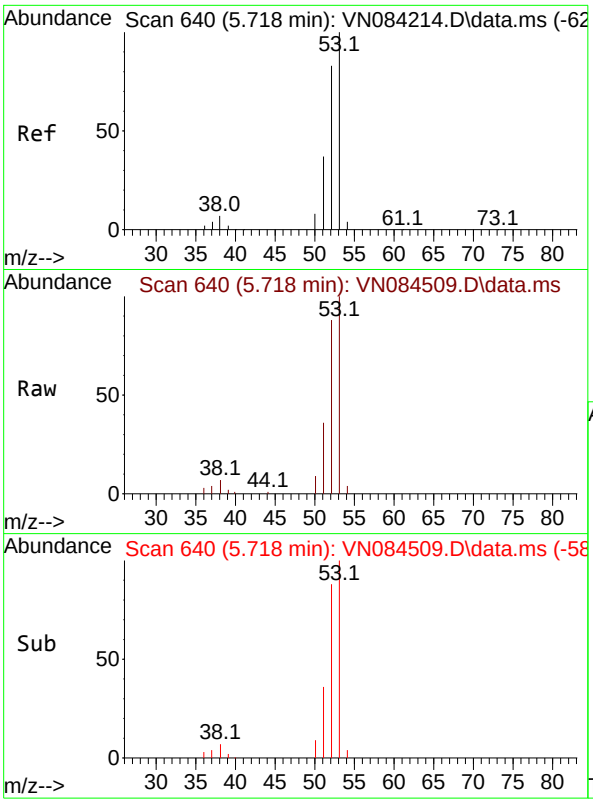


#14
Allyl chloride
Concen: 16.487 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 41 Resp: 55306

Ion	Ratio	Lower	Upper
41	100		
39	69.3	59.0	88.6
76	37.2	29.8	44.6



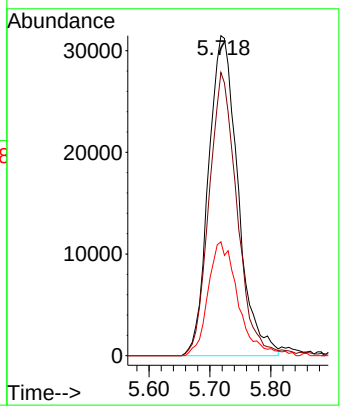


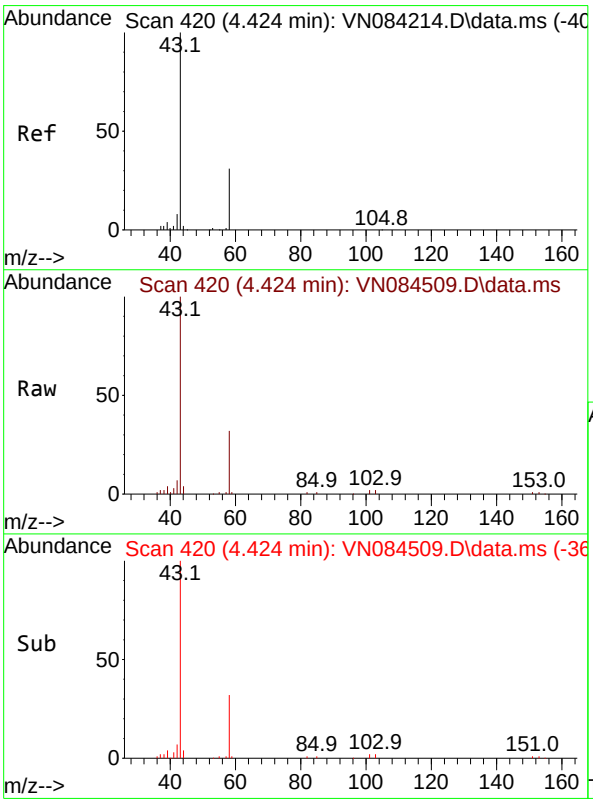
#15
Acrylonitrile
Concen: 99.822 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 53 Resp: 105726

Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.2	99.4
51	36.3	28.8	43.2

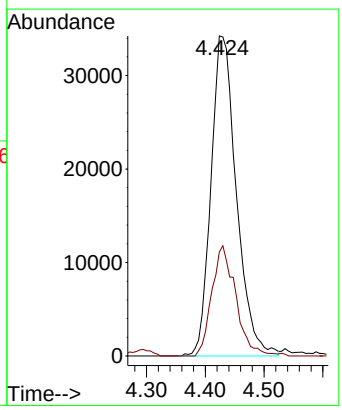


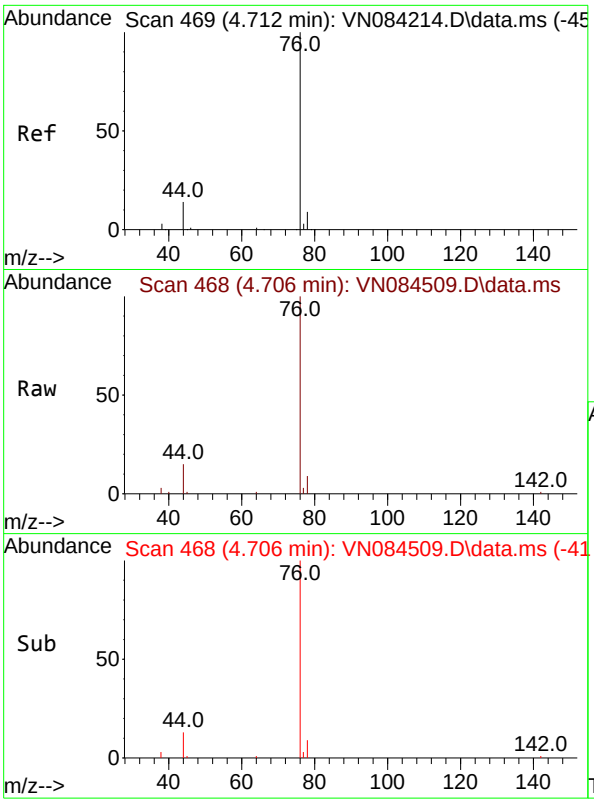


#16
Acetone
Concen: 94.302 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 103041

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.4	36.6



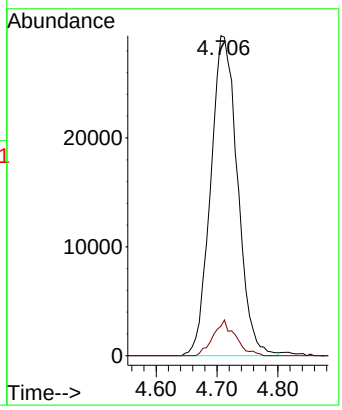


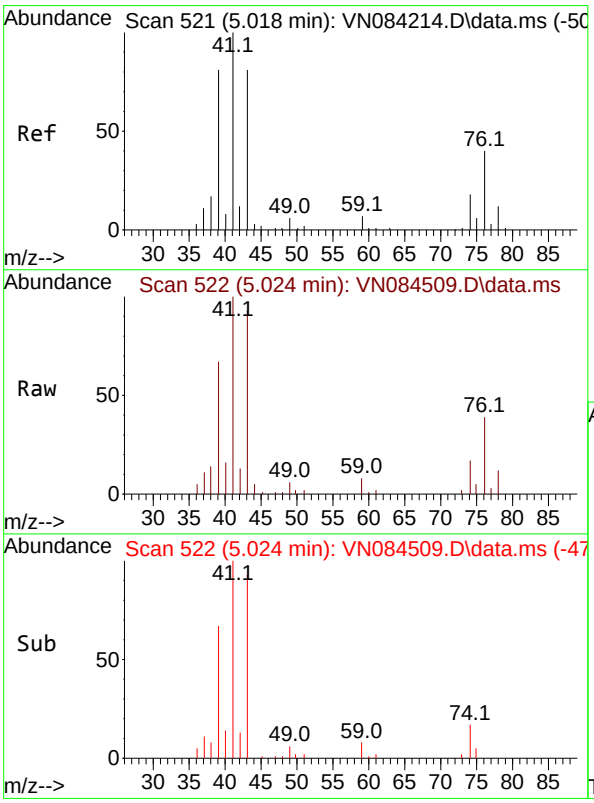
#17
Carbon Disulfide
Concen: 14.756 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 76 Resp: 90239

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

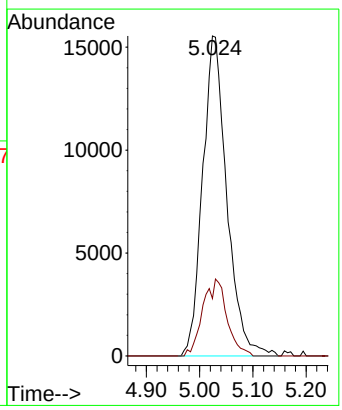


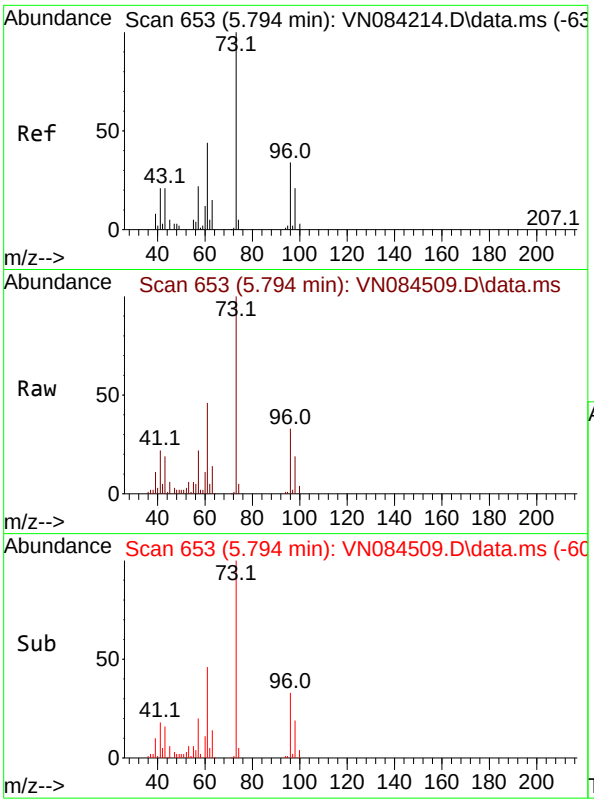


#18
Methyl Acetate
Concen: 20.657 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 49195

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8



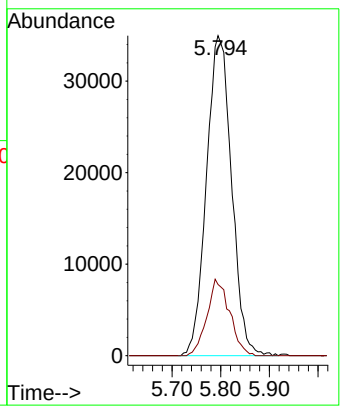


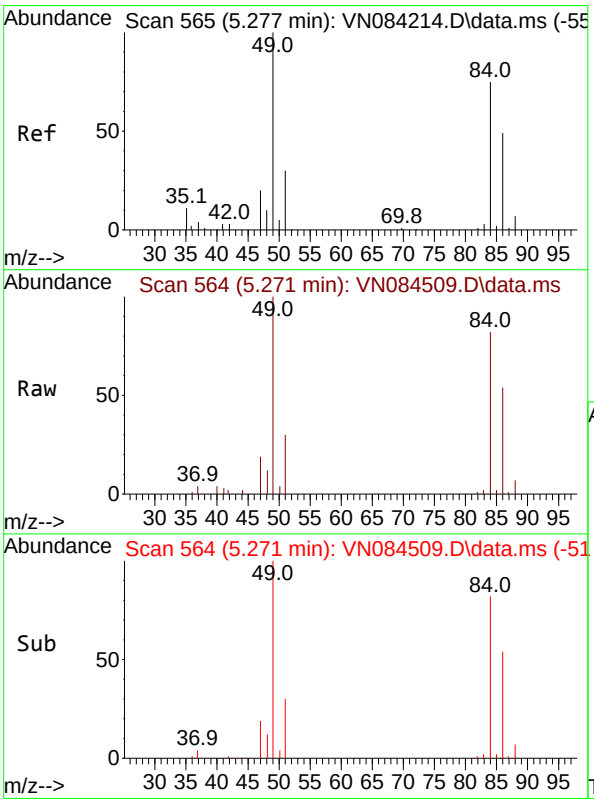
#19
Methyl tert-butyl Ether
Concen: 19.201 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 73 Resp: 125176

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.7	26.5

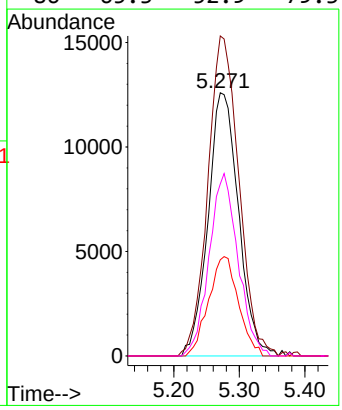


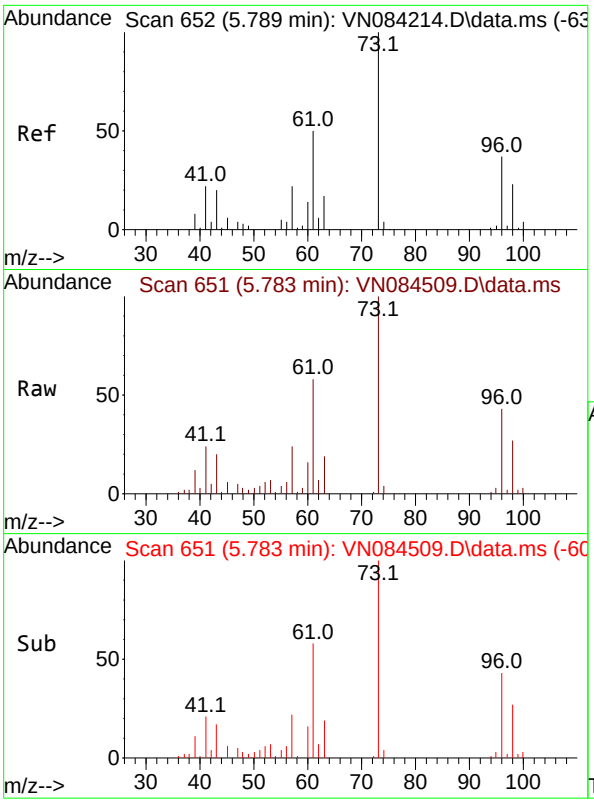


#20
Methylene Chloride
Concen: 18.303 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 84 Resp: 40654

Ion	Ratio	Lower	Upper
84	100		
49	121.6	107.2	160.8
51	36.5	31.8	47.8
86	65.3	52.9	79.3



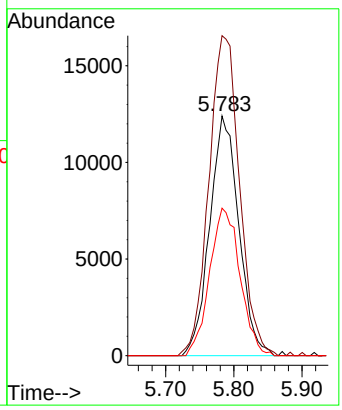


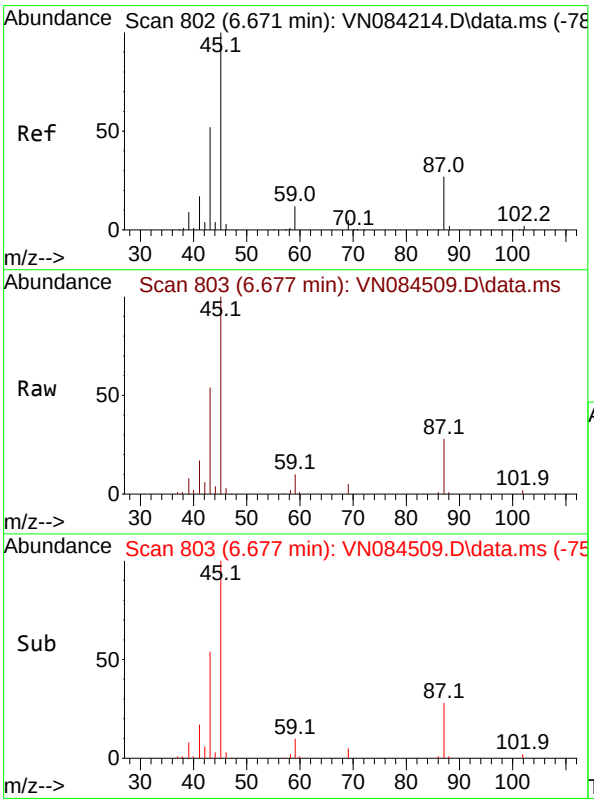
#21
trans-1,2-Dichloroethene
Concen: 18.206 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 96 Resp: 36842

Ion	Ratio	Lower	Upper
96	100		
61	133.5	108.4	162.6
98	61.5	49.8	74.8

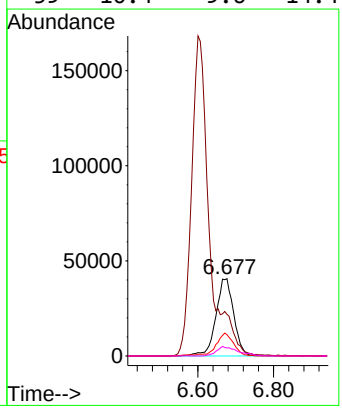


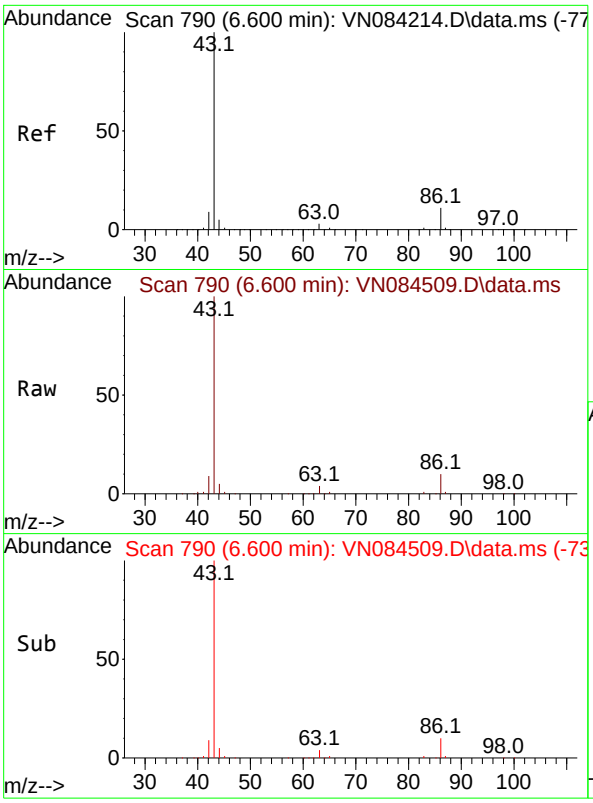


#22
Diisopropyl ether
Concen: 19.197 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 45 Resp: 133205

Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.3	63.5
87	27.6	21.8	32.6
59	10.4	9.6	14.4



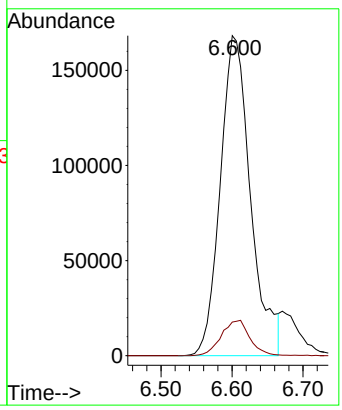


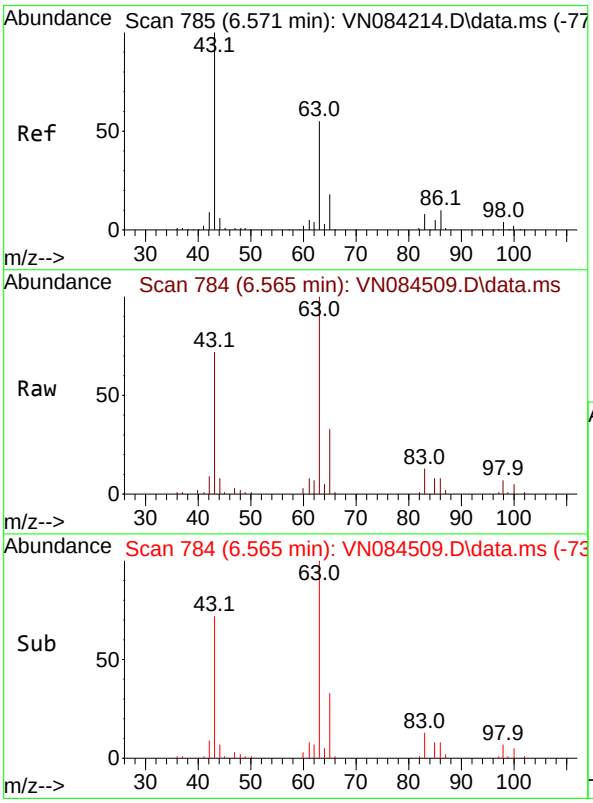
#23
Vinyl Acetate
Concen: 96.927 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 43 Resp: 498831

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8

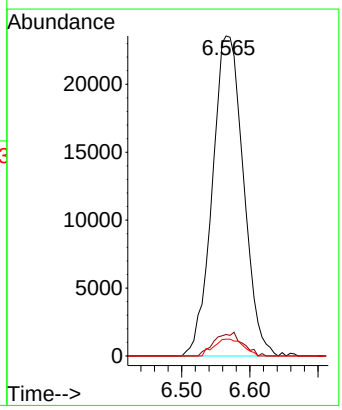


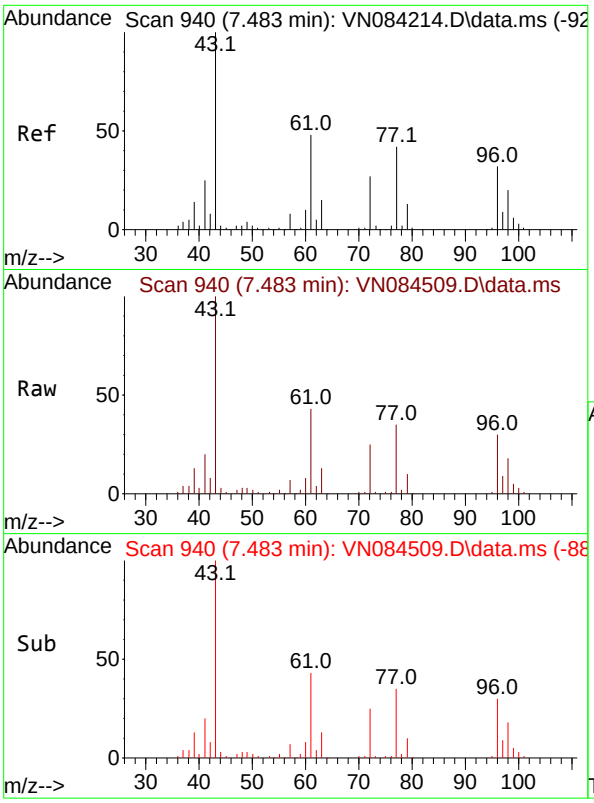


#24
1,1-Dichloroethane
Concen: 19.249 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 63 Resp: 74694

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	5.3	2.0	5.8



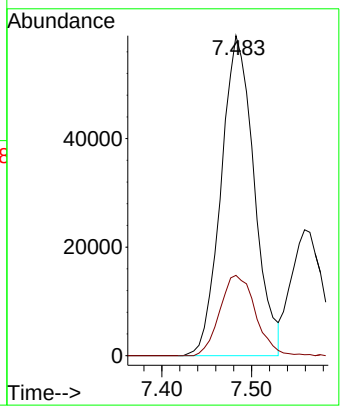


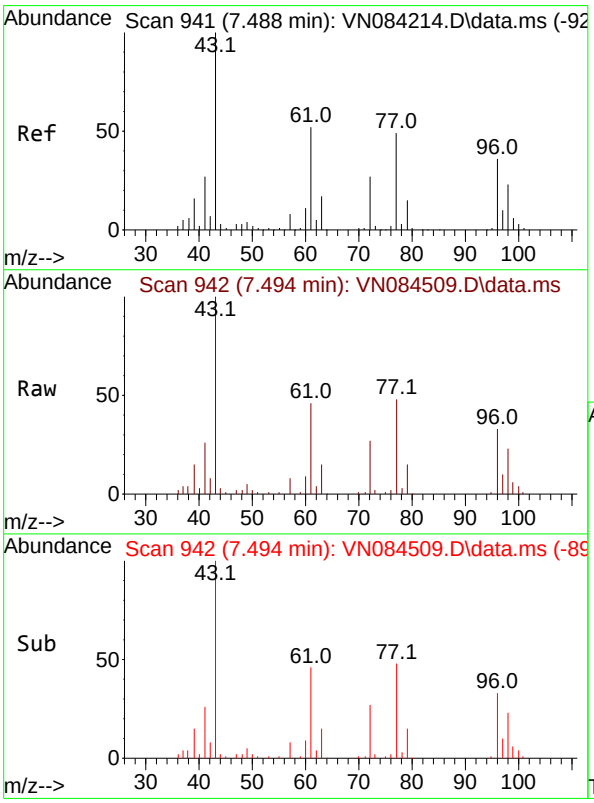
#25
2-Butanone
Concen: 101.389 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 43 Resp: 150891

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

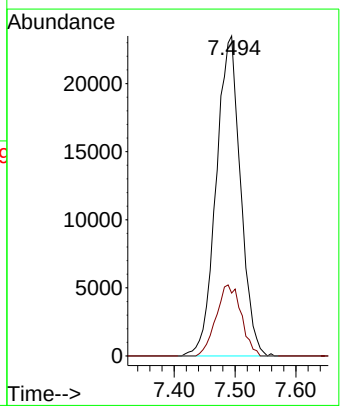


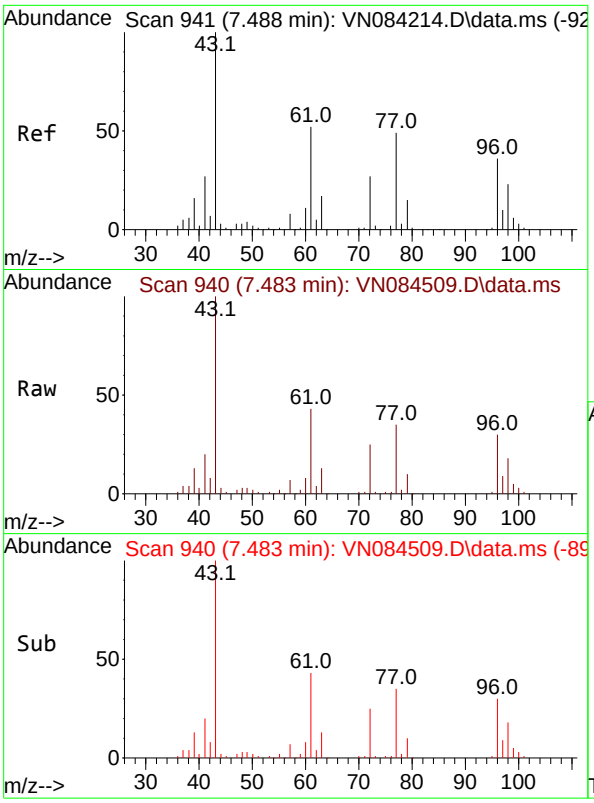


#26
2,2-Dichloropropane
Concen: 18.616 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 77 Resp: 65133

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.8	32.3



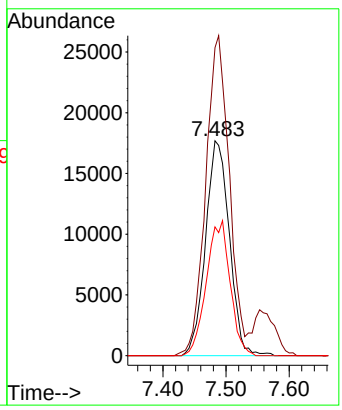


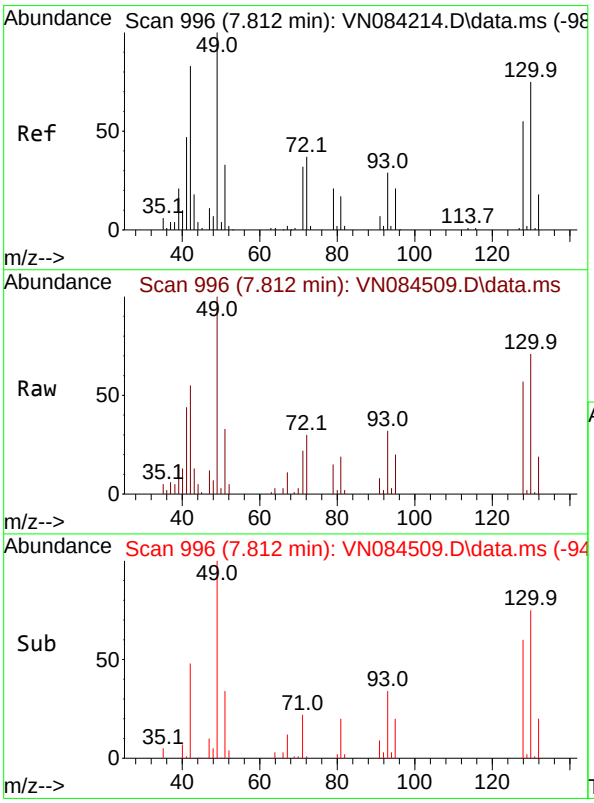
#27
cis-1,2-Dichloroethene
Concen: 18.985 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 96 Resp: 46425

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	301.8
98	62.4	0.0	128.2

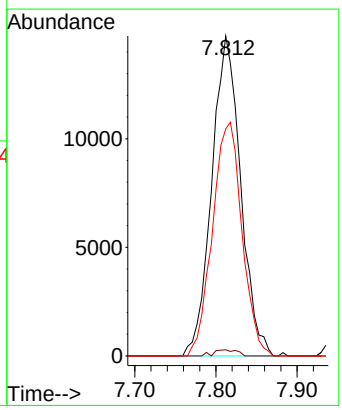


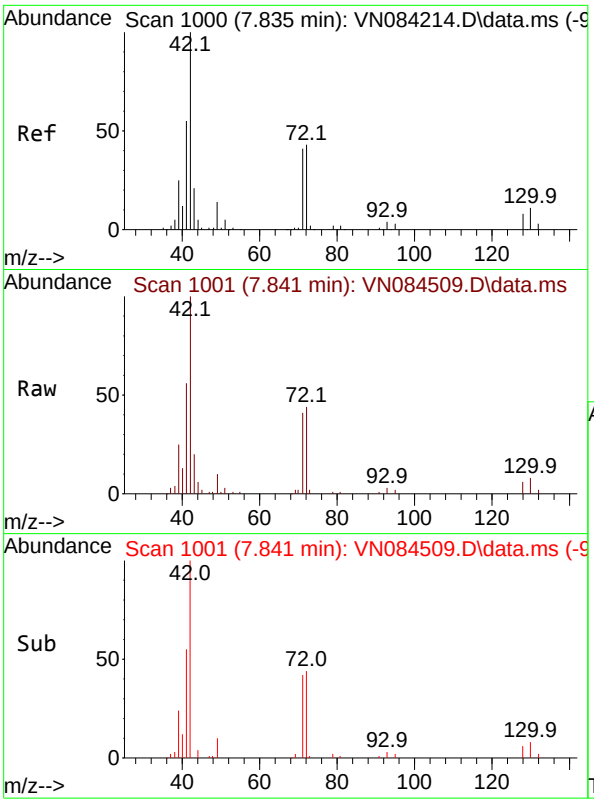


#28
Bromochloromethane
Concen: 21.023 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 49 Resp: 36398

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	74.6	58.0	87.0



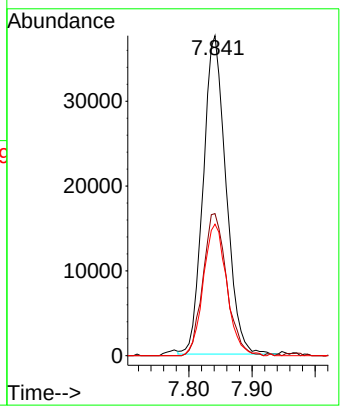


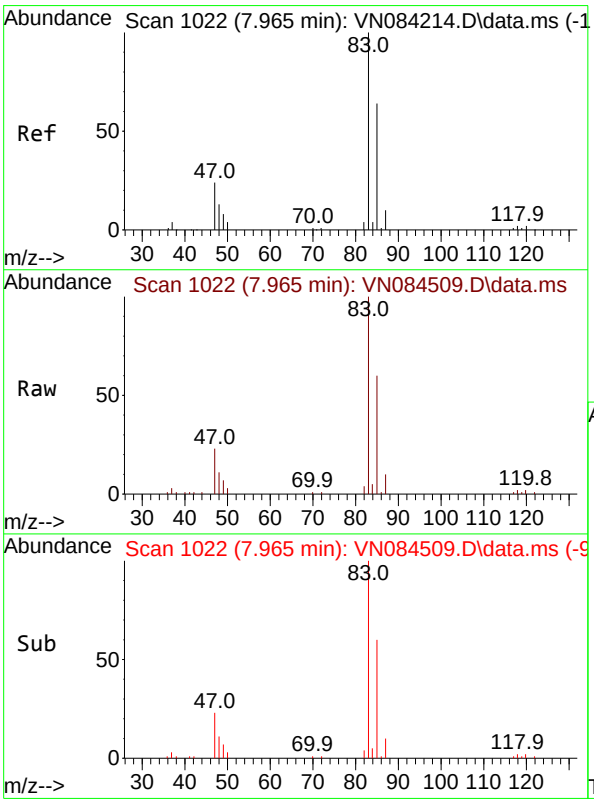
#29
Tetrahydrofuran
Concen: 102.506 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 42 Resp: 94143

Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.6	51.8
71	42.6	32.2	48.4

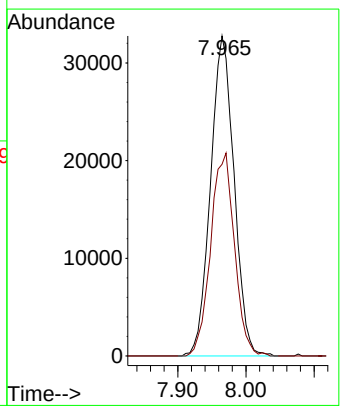


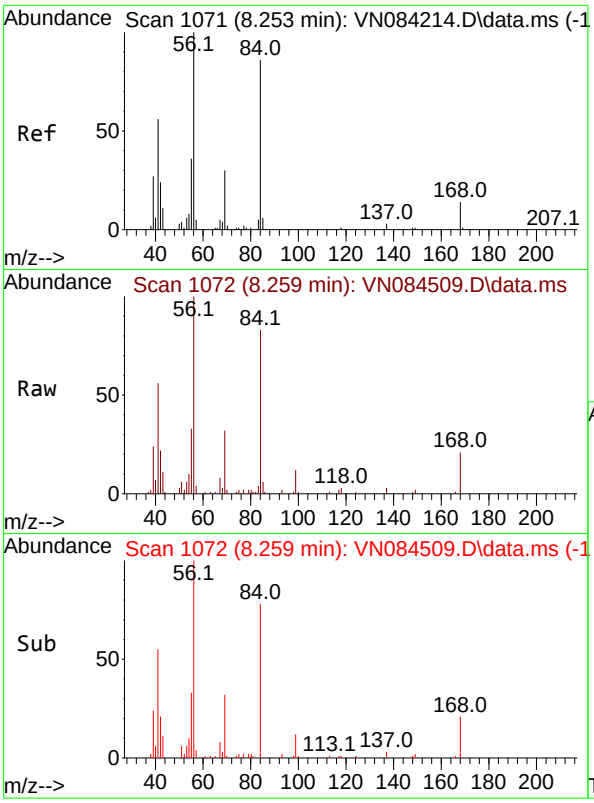


#30
Chloroform
Concen: 19.500 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 83 Resp: 78597

Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.0	76.4



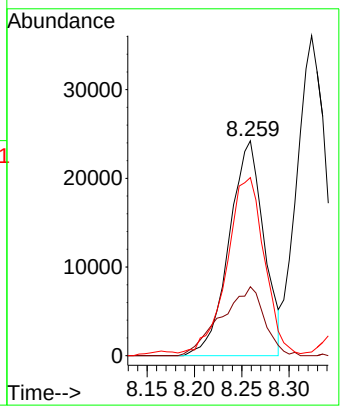


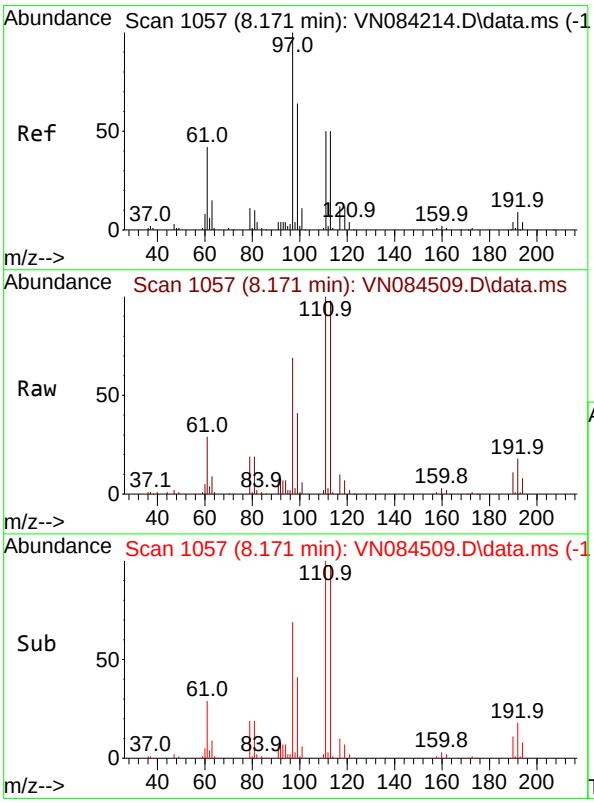
#31
Cyclohexane
Concen: 16.367 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 56 Resp: 61664

Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.8	35.6
84	81.6	68.8	103.2

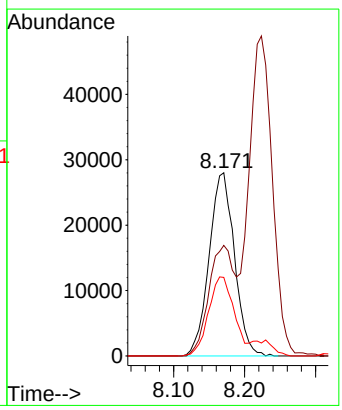


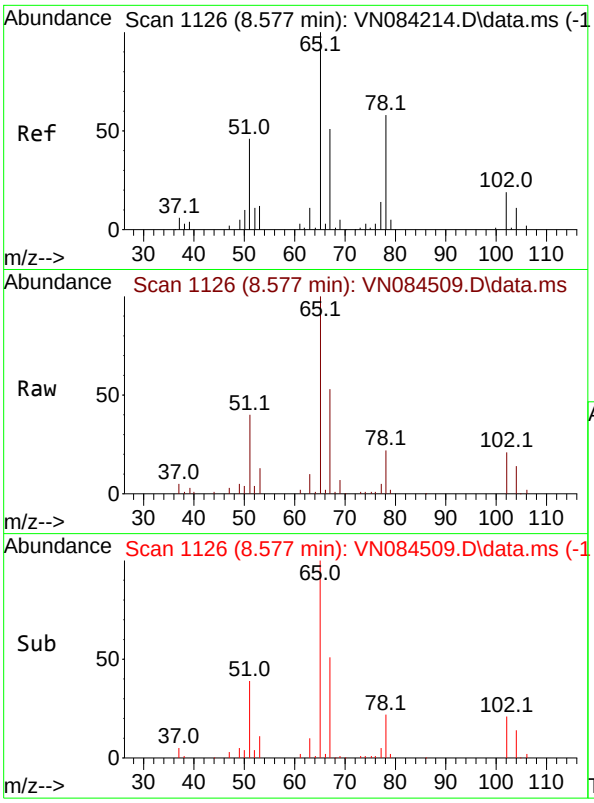


#32
1,1,1-Trichloroethane
Concen: 19.120 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 97 Resp: 69215

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.2	76.8
61	44.3	37.5	56.3



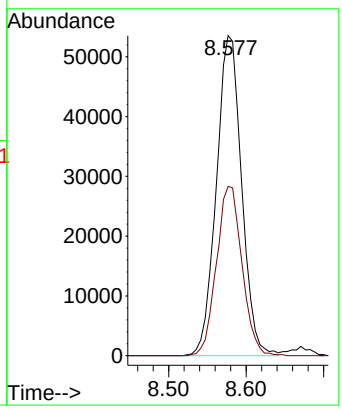


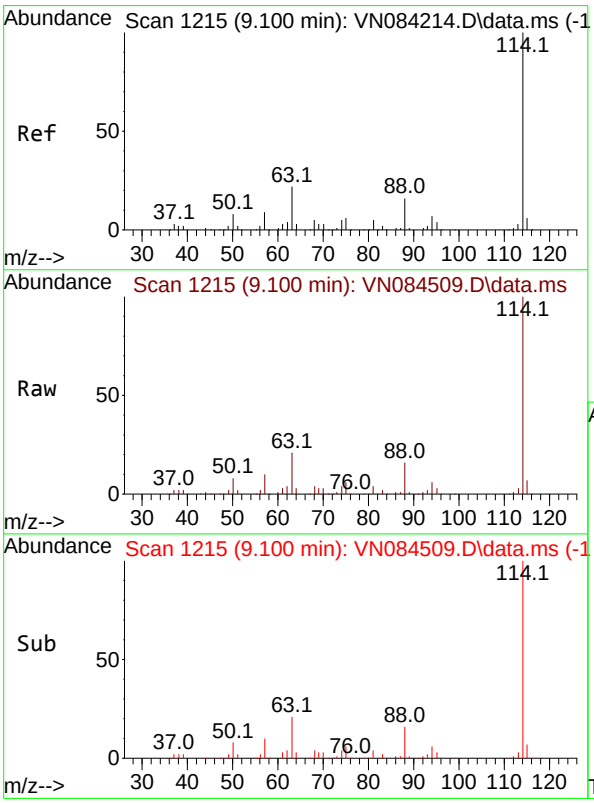
#33
1,2-Dichloroethane-d4
Concen: 47.711 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 65 Resp: 121357

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	102.0

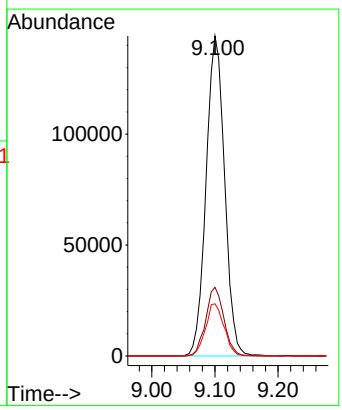


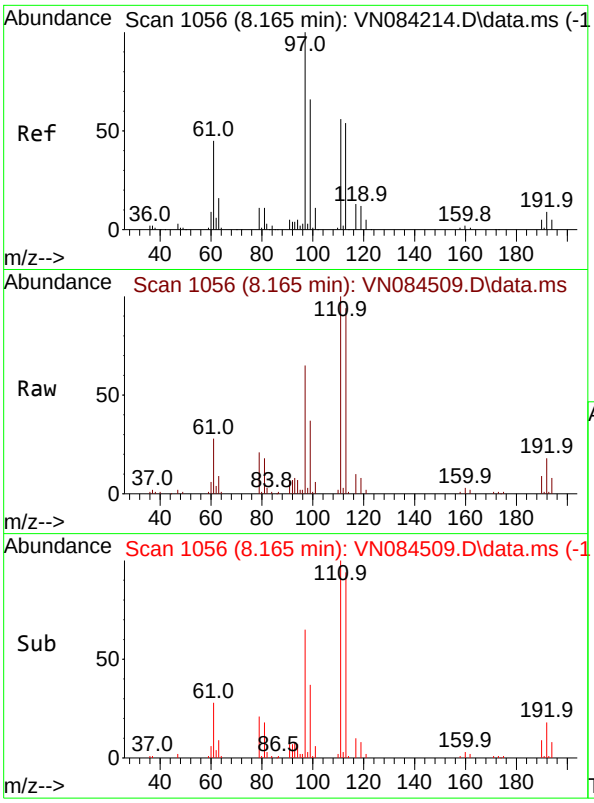


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:114 Resp: 293994

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6



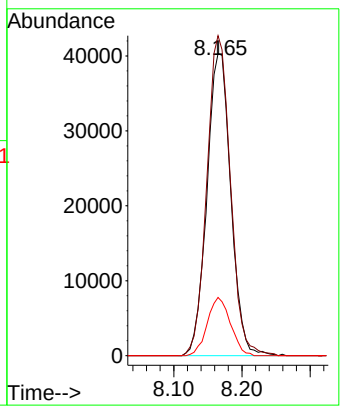


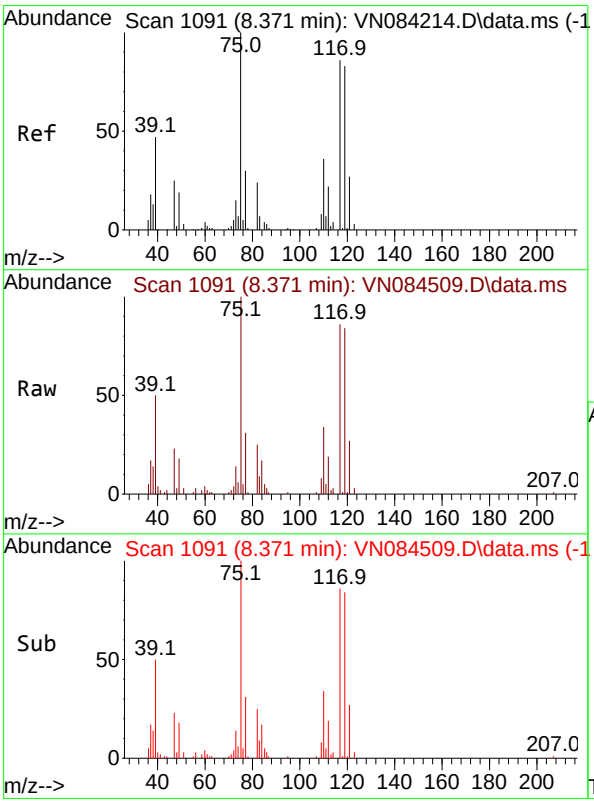
#35
Dibromofluoromethane
Concen: 50.790 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:113 Resp: 98440

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.3	124.9
192	18.7	13.5	20.3

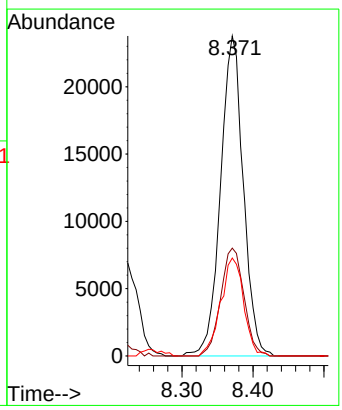


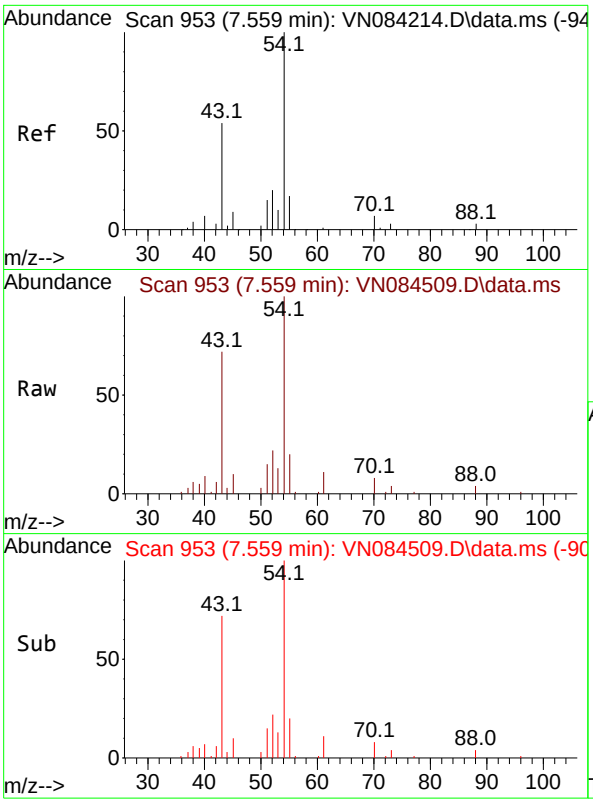


#36
1,1-Dichloropropene
Concen: 18.778 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 52866

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.7
77	30.9	24.7	37.1



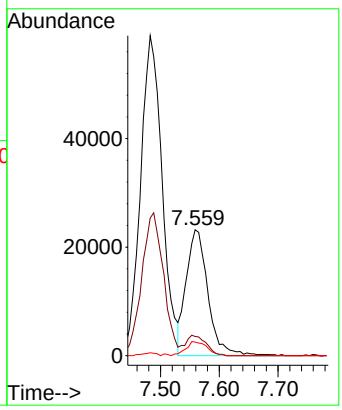


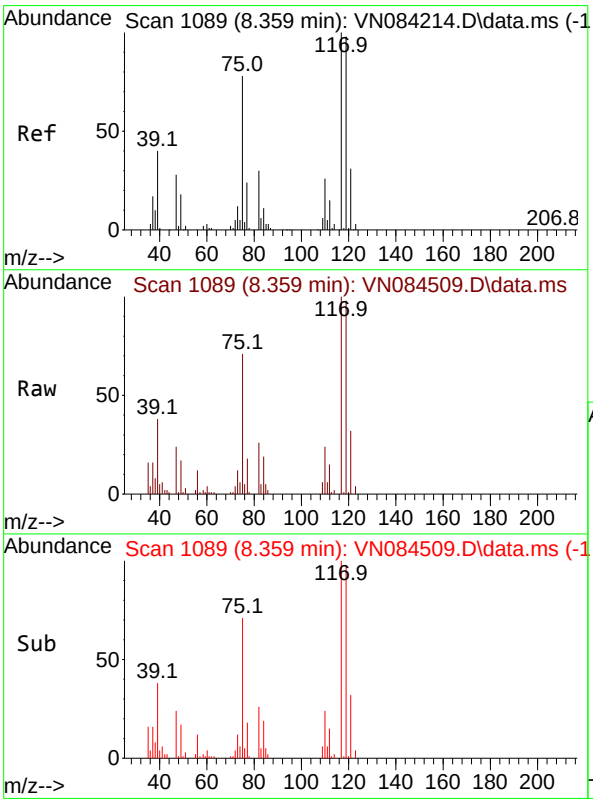
#37
Ethyl Acetate
Concen: 20.716 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 43 Resp: 59834

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.8	8.8	13.2

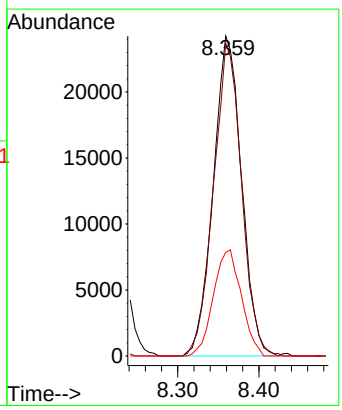


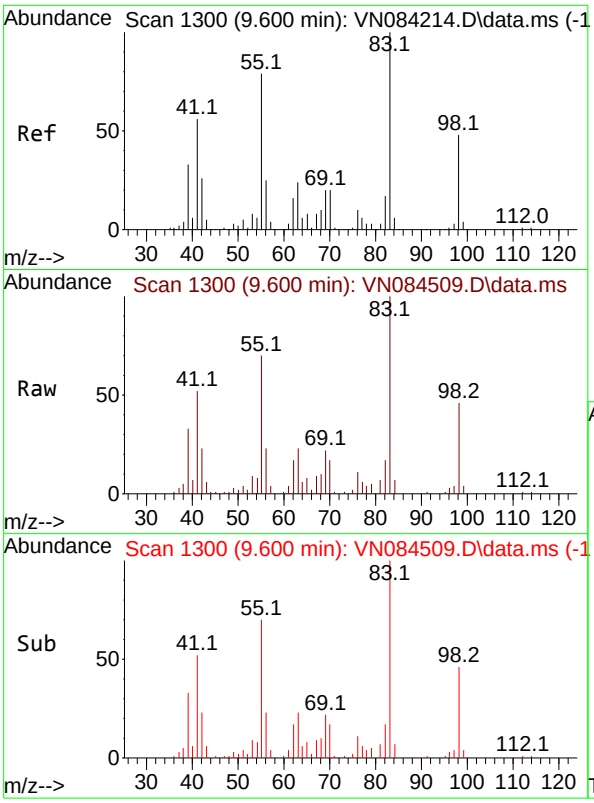


#38
Carbon Tetrachloride
Concen: 19.008 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:117 Resp: 58702

Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.7	118.1
121	32.3	24.4	36.6



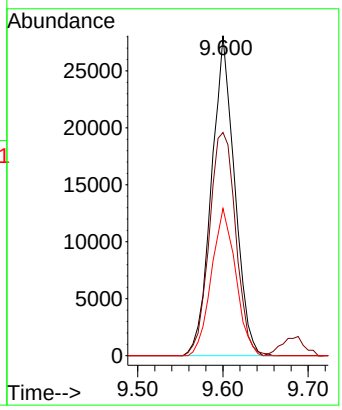


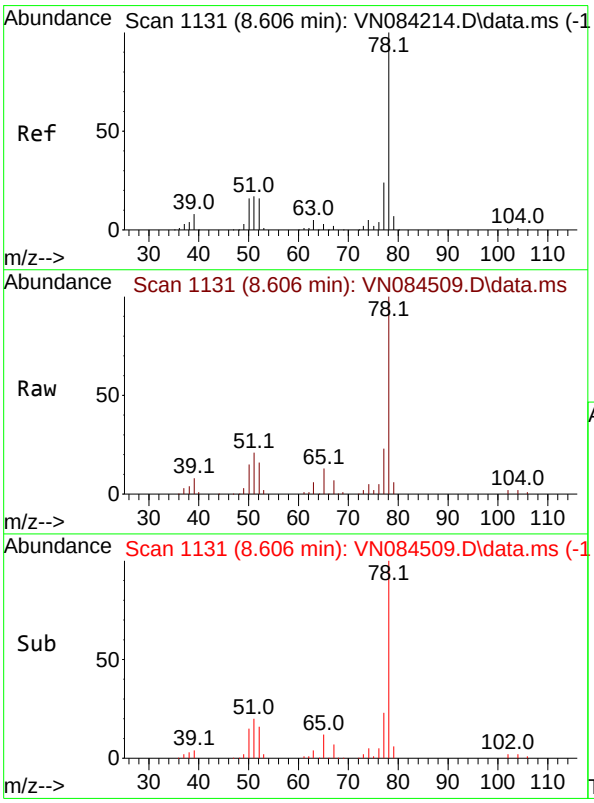
#39
Methylcyclohexane
Concen: 16.937 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 83 Resp: 53070

Ion	Ratio	Lower	Upper
83	100		
55	69.7	62.8	94.2
98	46.0	38.8	58.2

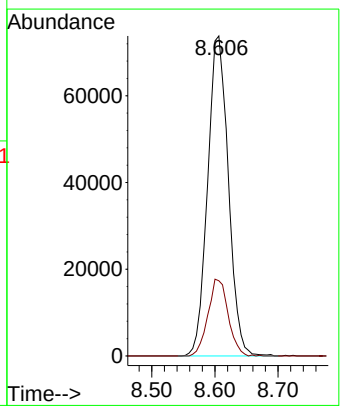


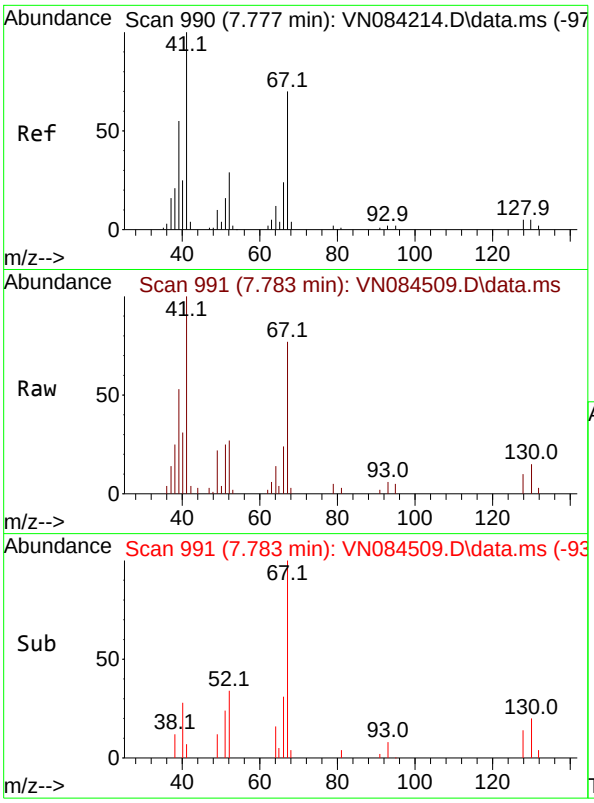


#40
Benzene
Concen: 19.193 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 78 Resp: 168355

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



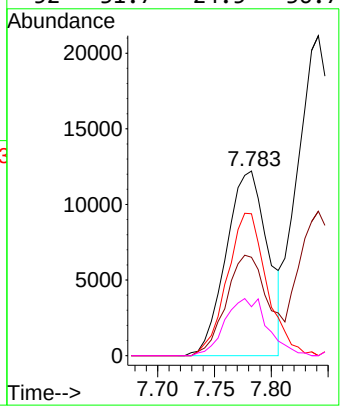


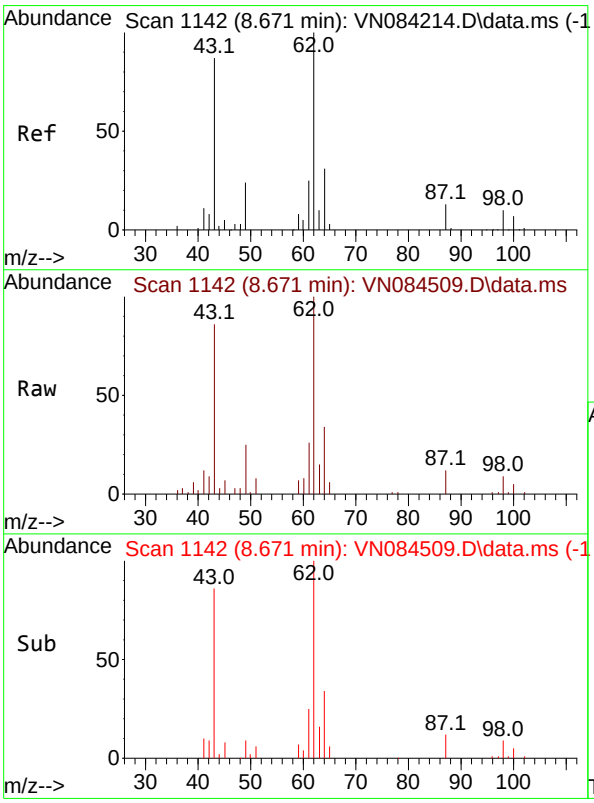
#41
Methacrylonitrile
Concen: 19.852 ug/l
RT: 7.783 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 41 Resp: 31128

Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.3	64.9
67	73.8	56.1	84.1
52	31.7	24.5	36.7

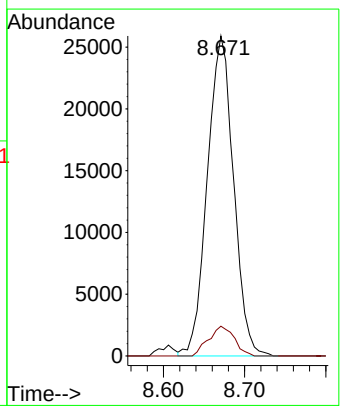


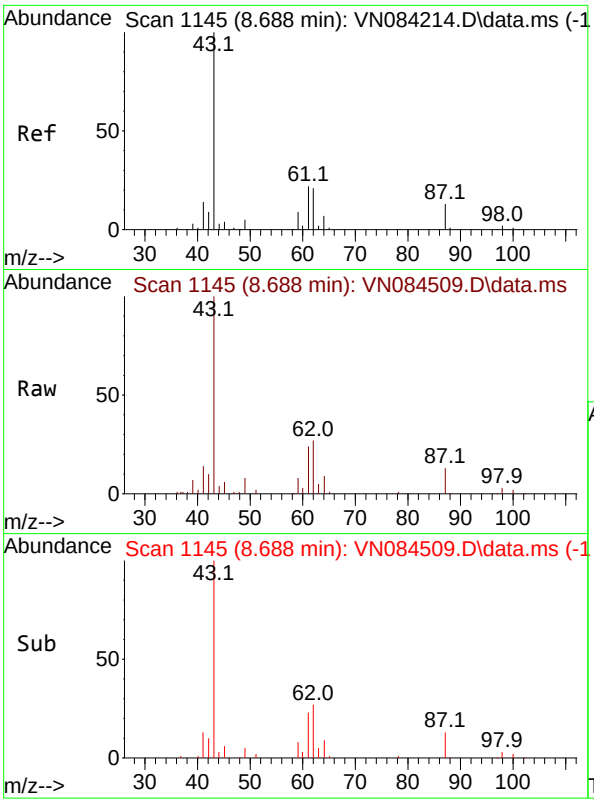


#42
1,2-Dichloroethane
Concen: 19.548 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 62 Resp: 58130

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



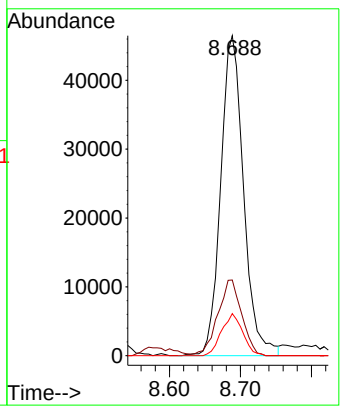


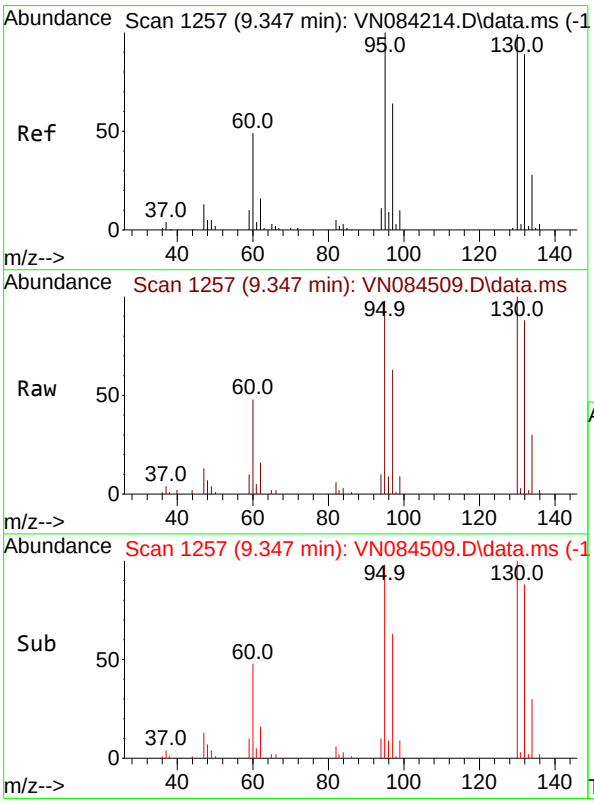
#43
Isopropyl Acetate
Concen: 18.393 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 43 Resp: 104055

Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.1	10.3	15.5

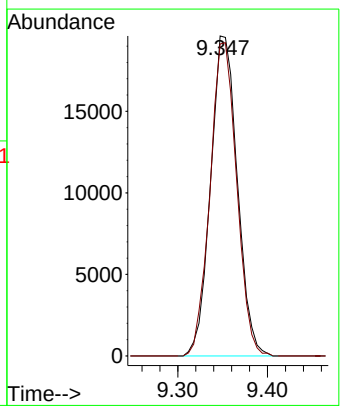


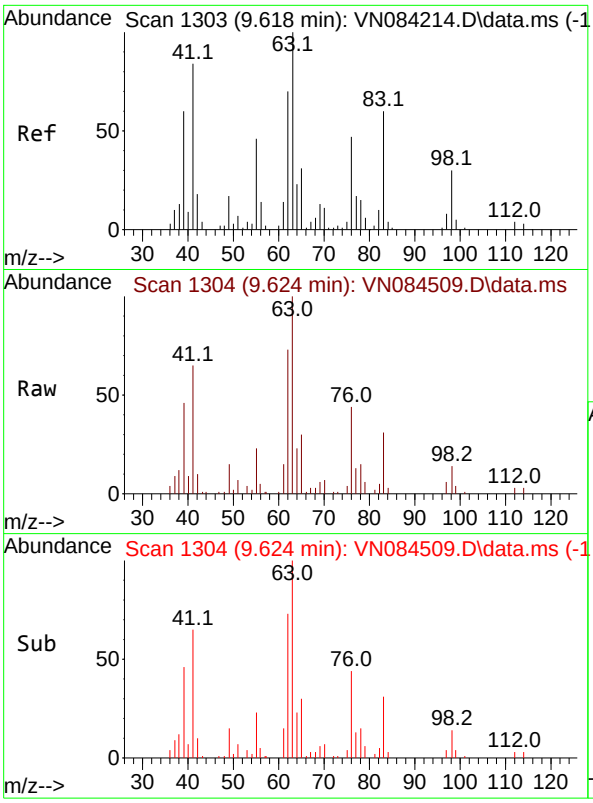


#44
Trichloroethene
Concen: 19.834 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:130 Resp: 40633

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	203.0



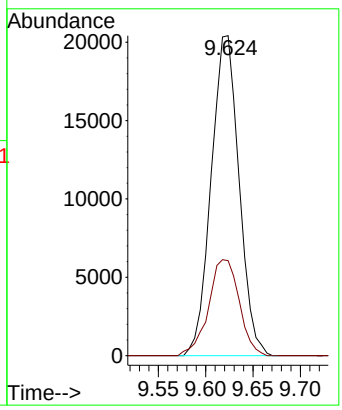


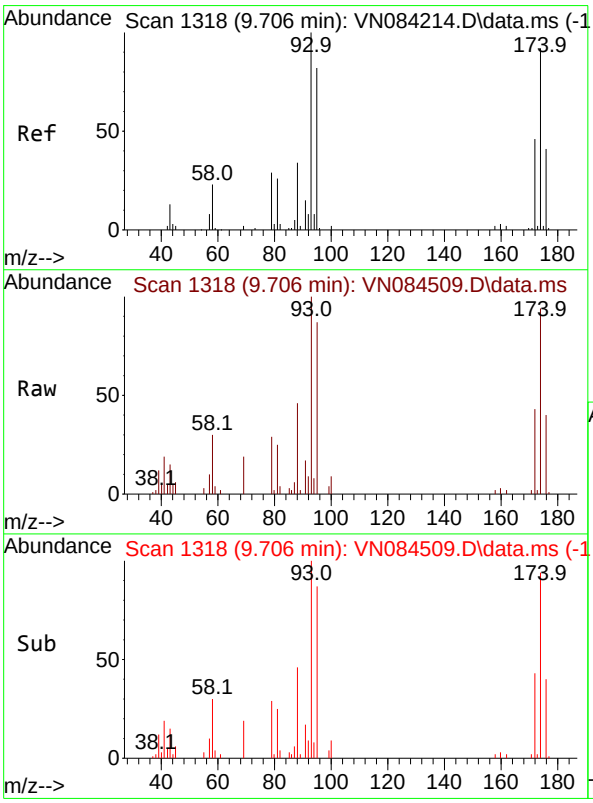
#45
1,2-Dichloropropane
Concen: 20.162 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 63 Resp: 41836

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.6	37.0

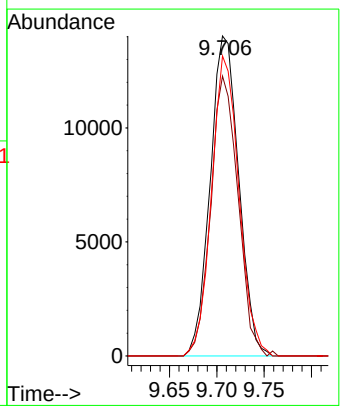


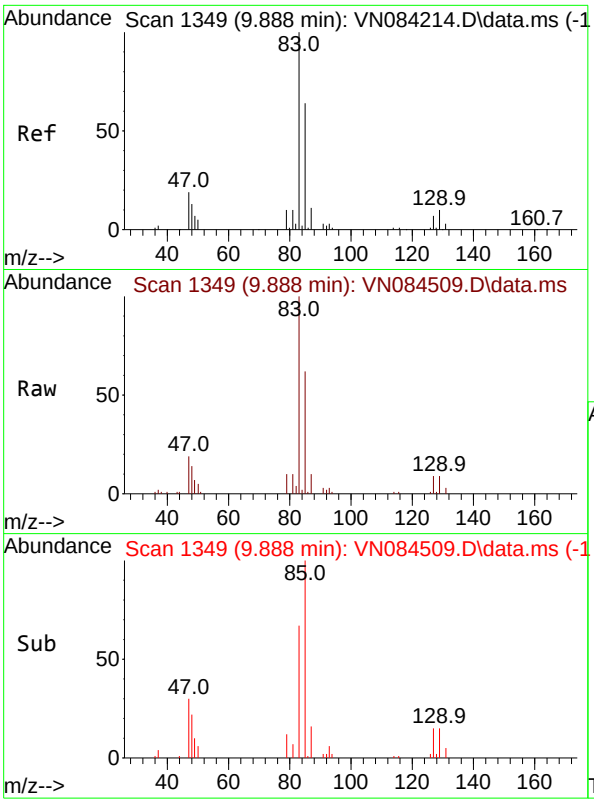


#46
Dibromomethane
Concen: 21.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 93 Resp: 29427

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.4
174	90.2	71.8	107.8



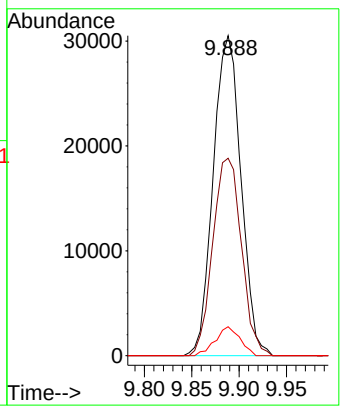


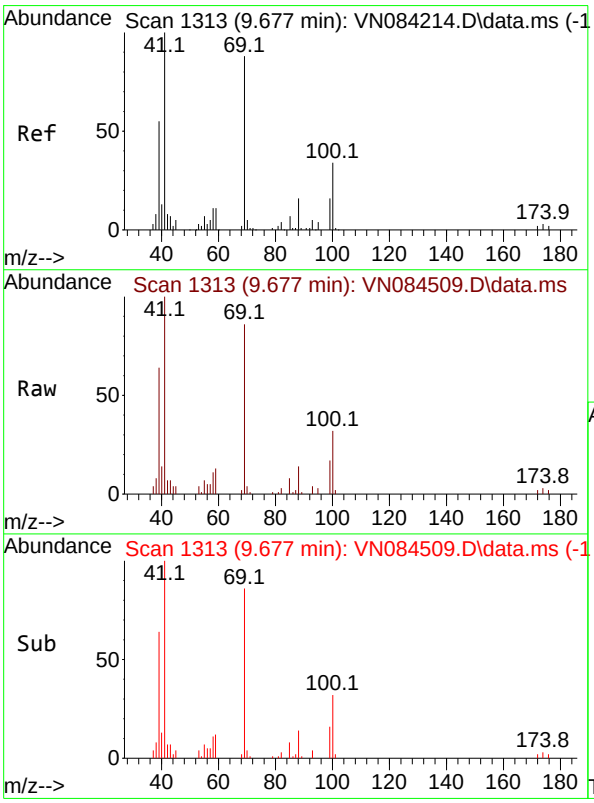
#47
Bromodichloromethane
Concen: 19.993 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 83 Resp: 62197

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3
127	9.0	5.7	8.5#

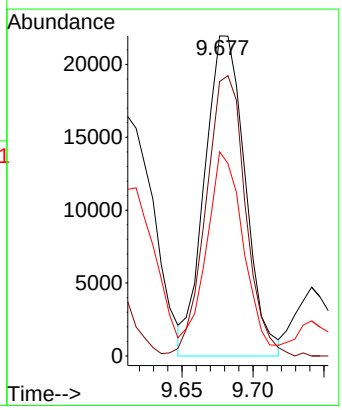


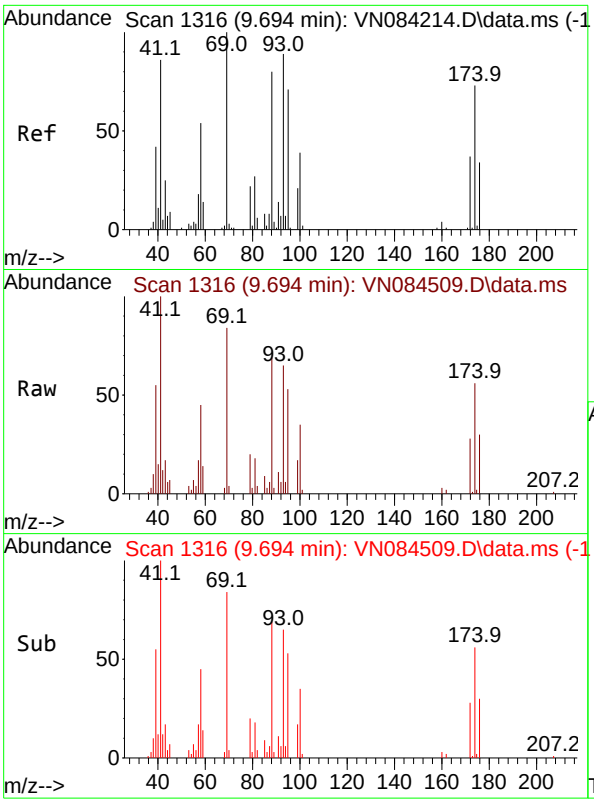


#48
Methyl methacrylate
Concen: 19.316 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 41 Resp: 43499

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	59.4	45.8	68.6



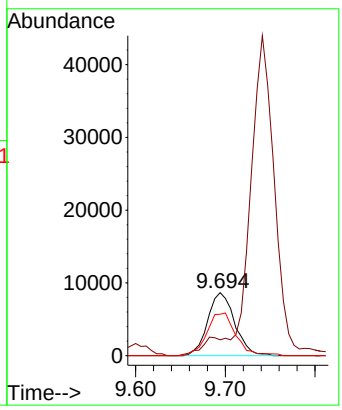


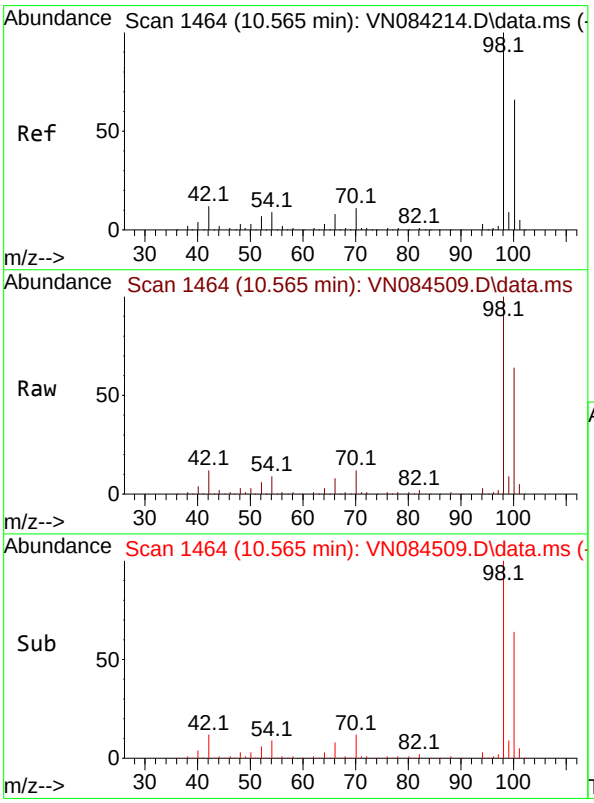
#49
1,4-Dioxane
Concen: 437.079 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 88 Resp: 18121

Ion	Ratio	Lower	Upper
88	100		
43	20.9	25.3	37.9#
58	72.3	56.4	84.6

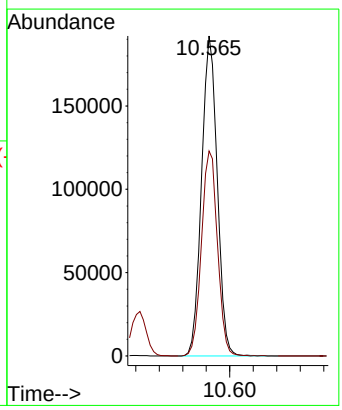


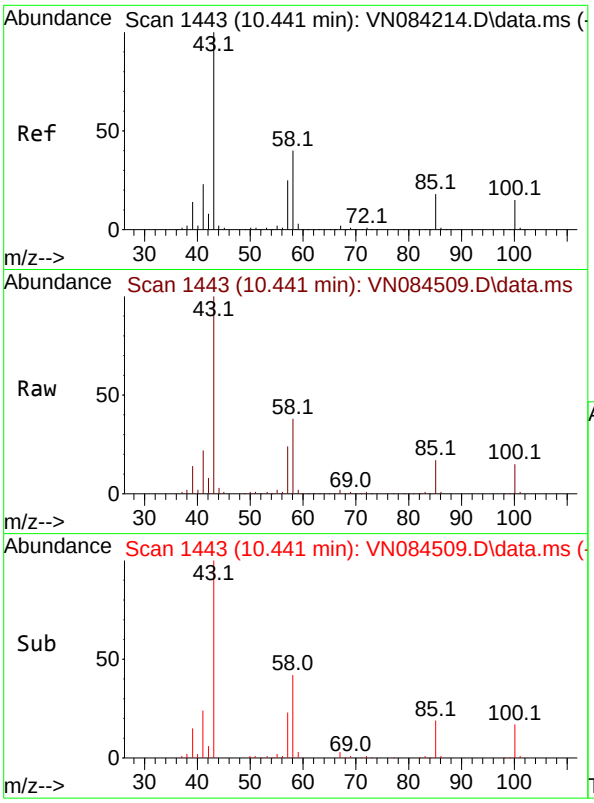


#50
Toluene-d8
Concen: 49.708 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 98 Resp: 354456

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



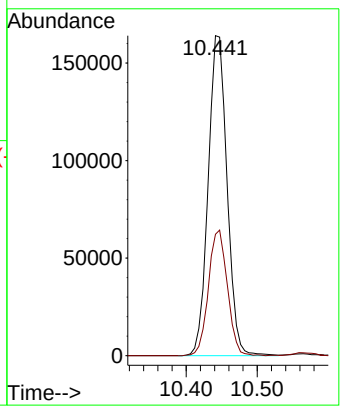


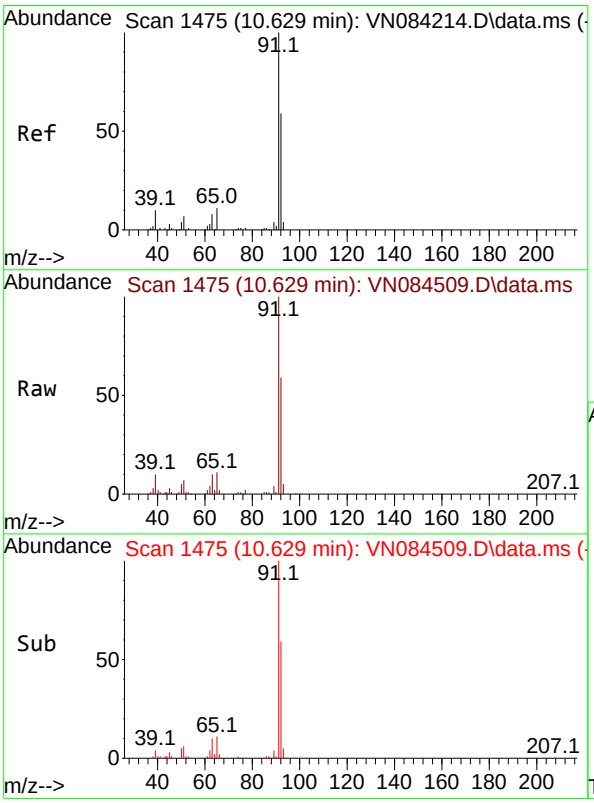
#51
4-Methyl-2-Pentanone
Concen: 110.350 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 43 Resp: 303407

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4

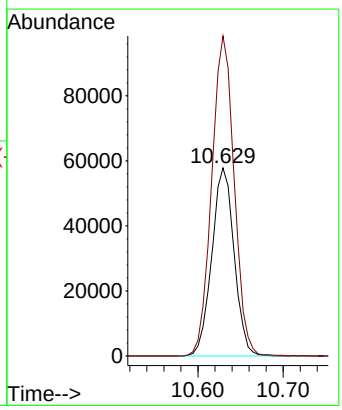


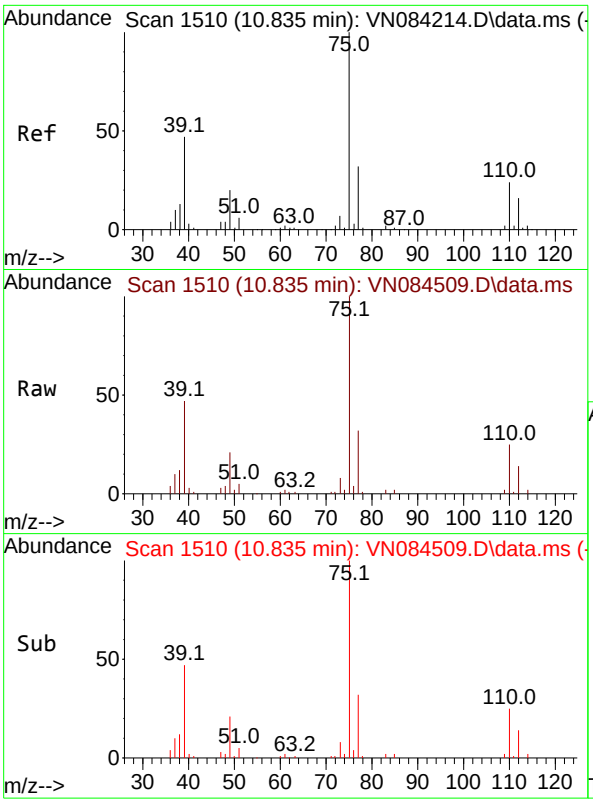


#52
Toluene
Concen: 19.624 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 92 Resp: 104966

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



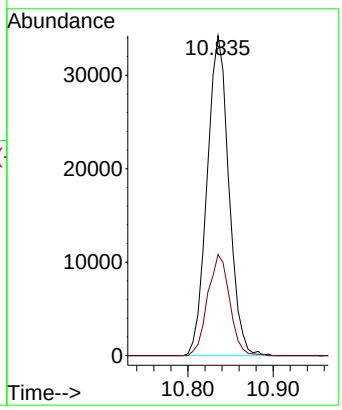


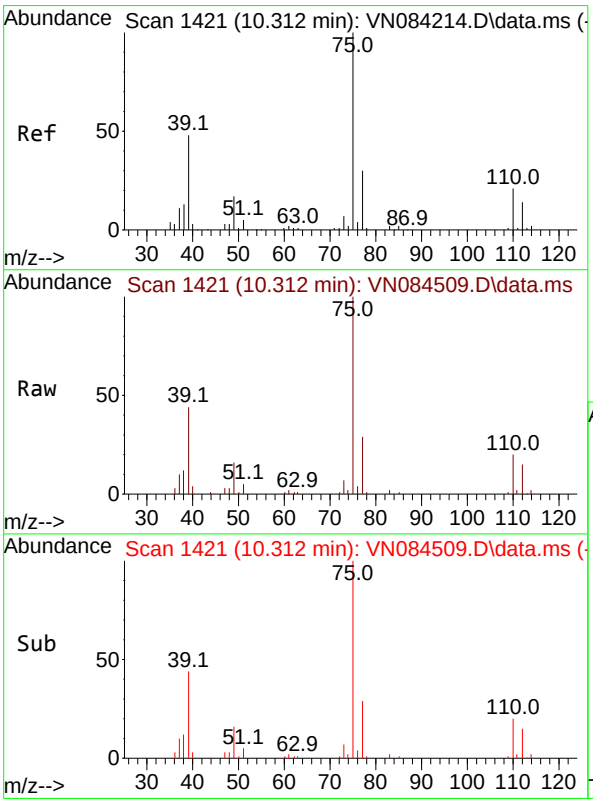
#53
t-1,3-Dichloropropene
Concen: 19.126 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 75 Resp: 60652

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

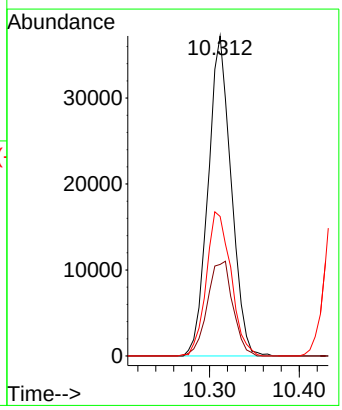


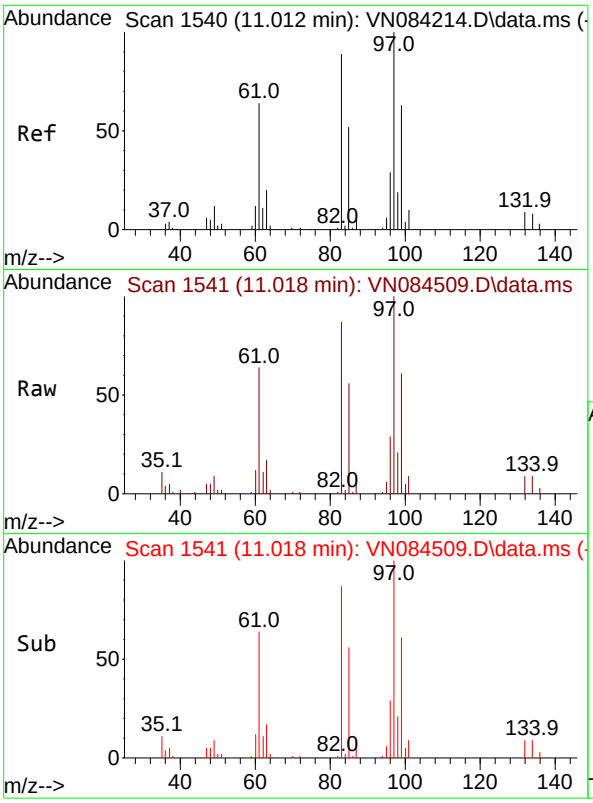


#54
cis-1,3-Dichloropropene
Concen: 19.436 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 66296

Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.2	36.2
39	43.6	38.7	58.1



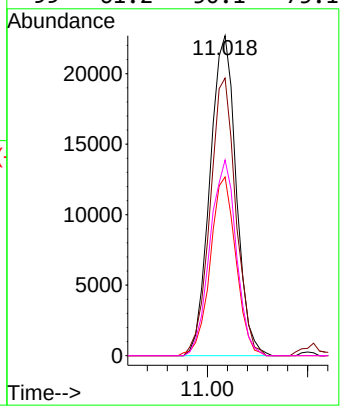


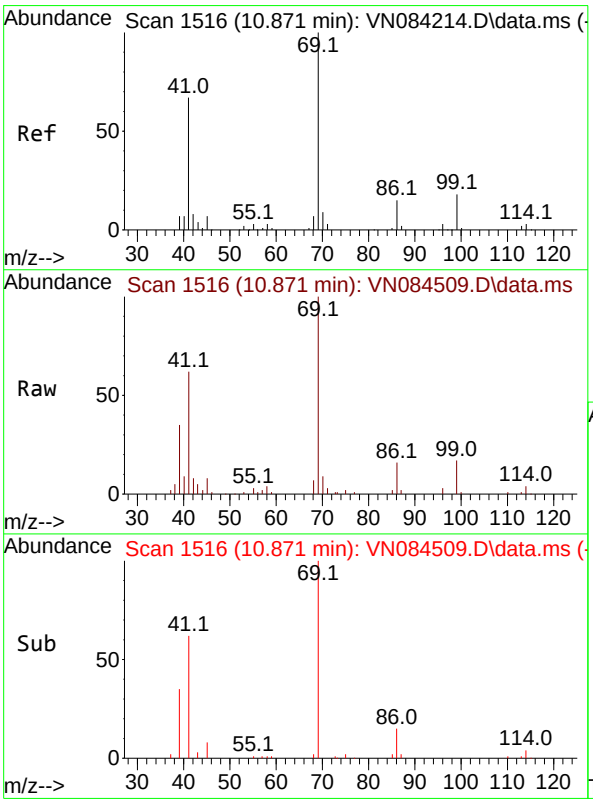
#55
1,1,2-Trichloroethane
Concen: 21.465 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 97 Resp: 41159

Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.0	106.4
85	55.9	41.7	62.5
99	61.2	50.1	75.1

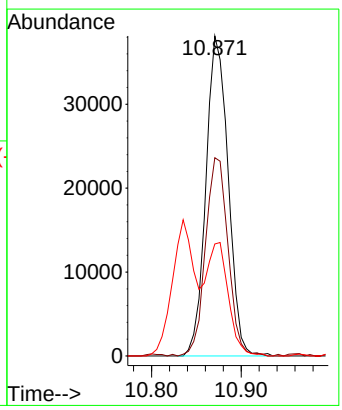


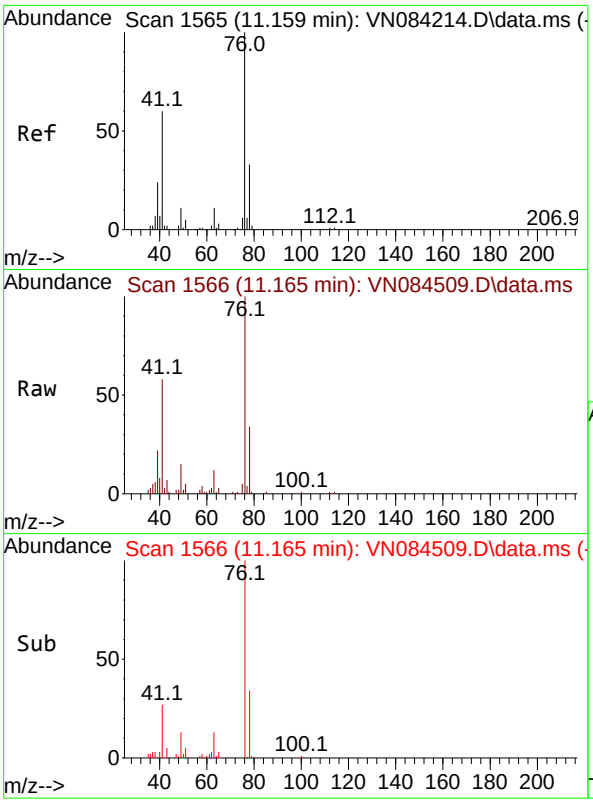


#56
Ethyl methacrylate
Concen: 20.814 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 69 Resp: 65671

Ion	Ratio	Lower	Upper
69	100		
41	63.1	53.3	79.9
39	35.8	28.8	43.2



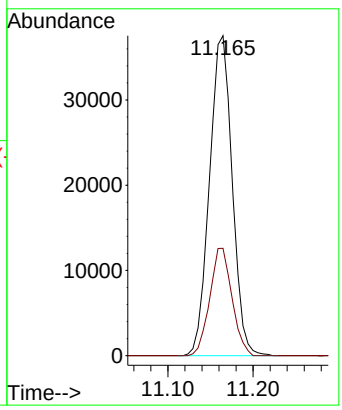


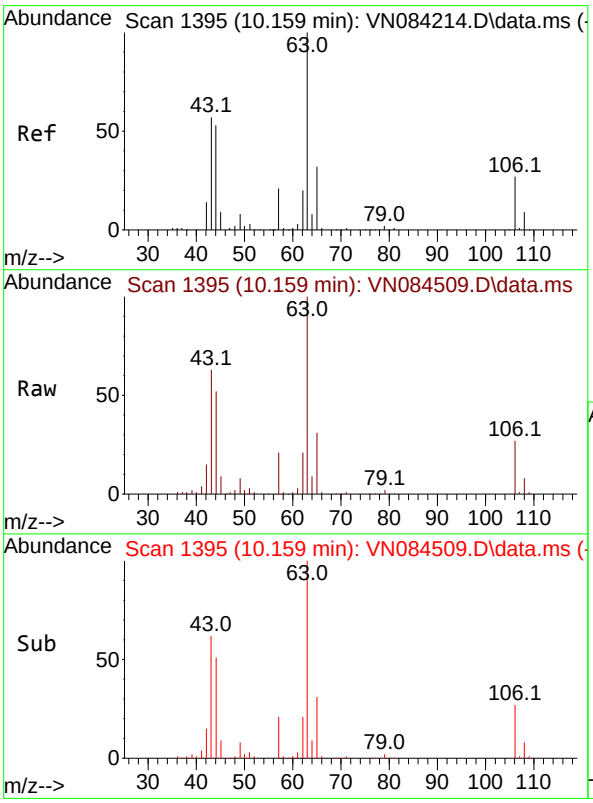
#57
1,3-Dichloropropane
Concen: 20.306 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 76 Resp: 69577

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

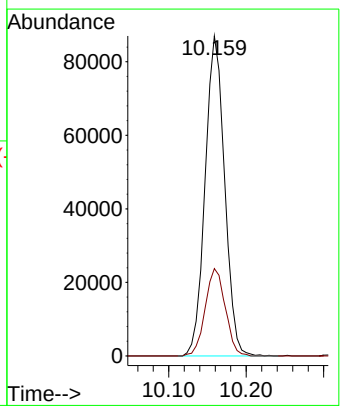


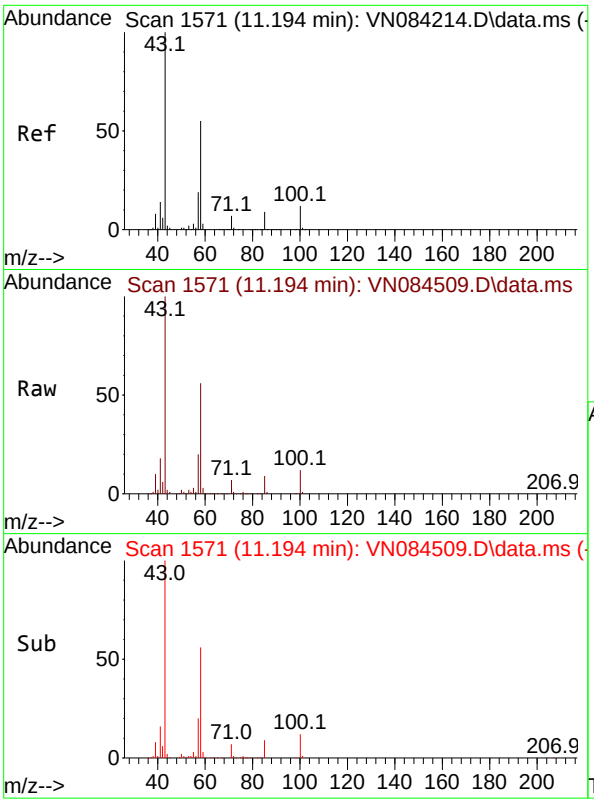


#58
2-Chloroethyl Vinyl ether
Concen: 103.886 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 63 Resp: 152054

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6



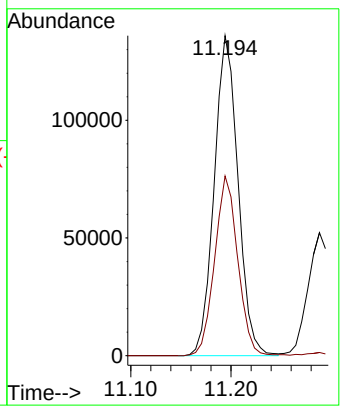


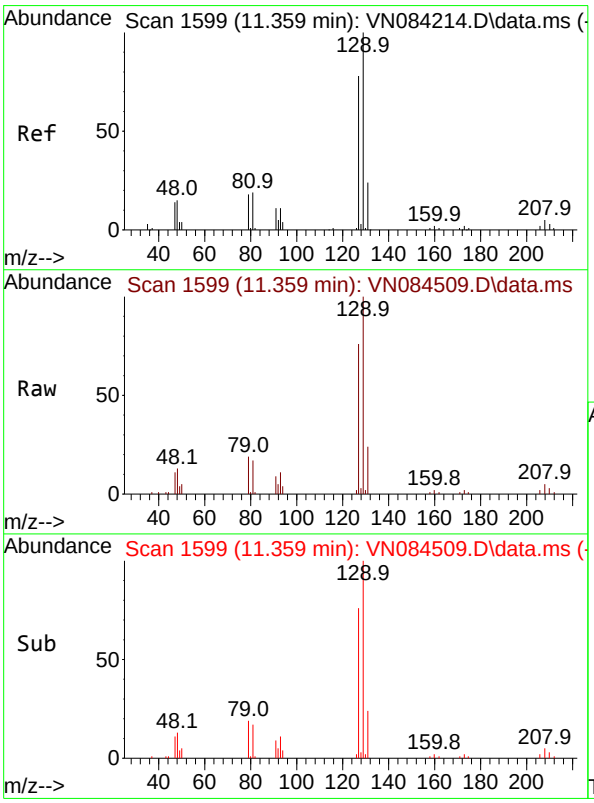
#59
2-Hexanone
Concen: 109.038 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 43 Resp: 224074

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

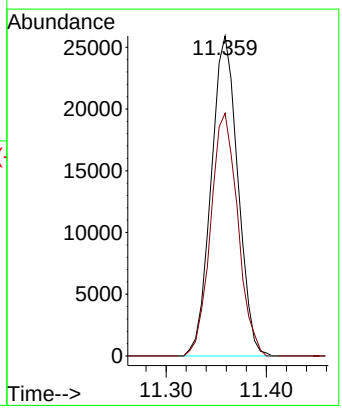


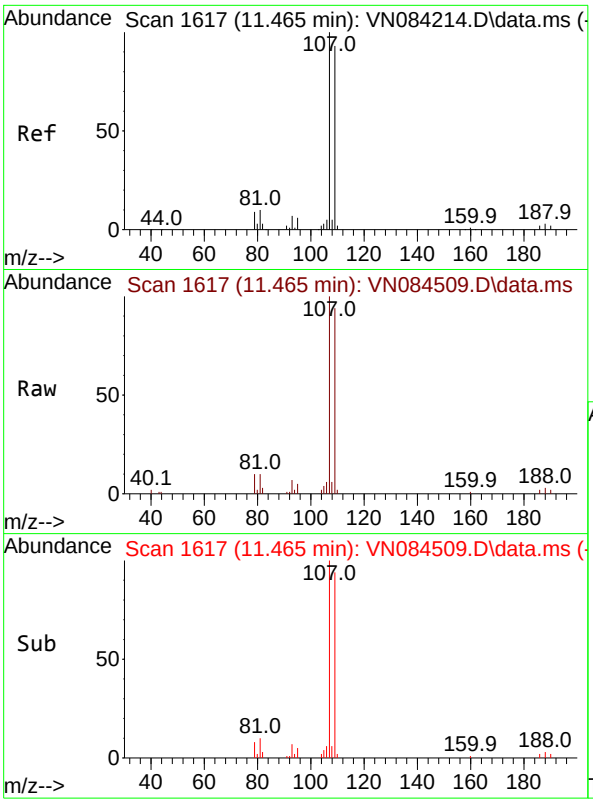


#60
Dibromochloromethane
Concen: 21.095 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:129 Resp: 47794

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.9



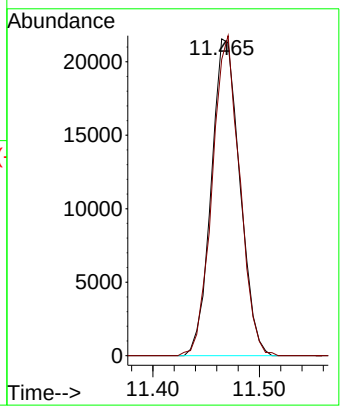


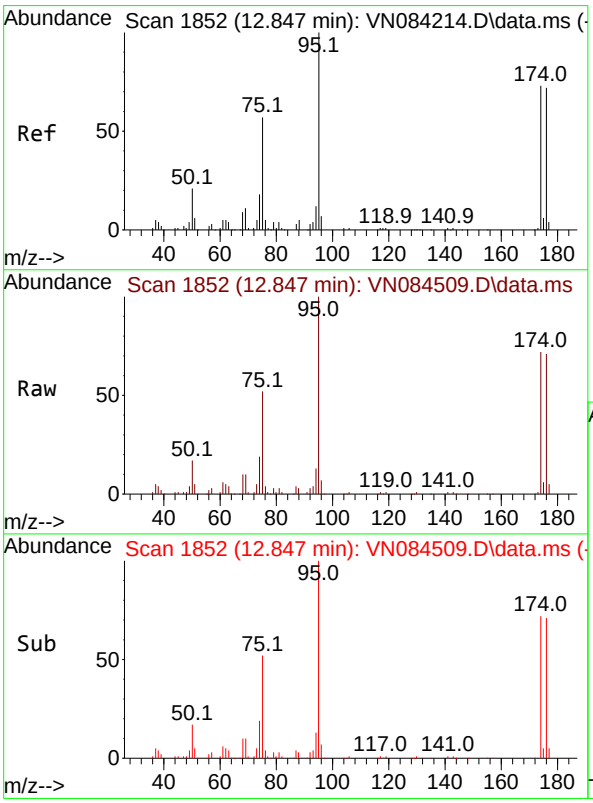
#61
1,2-Dibromoethane
Concen: 20.111 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:107 Resp: 40071

Ion	Ratio	Lower	Upper
107	100		
109	97.3	75.4	113.0

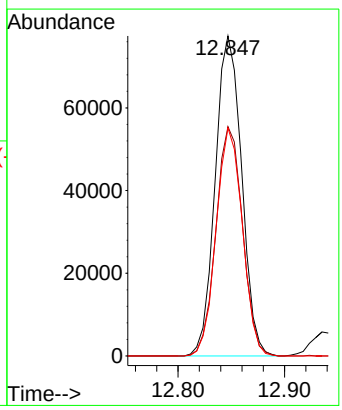


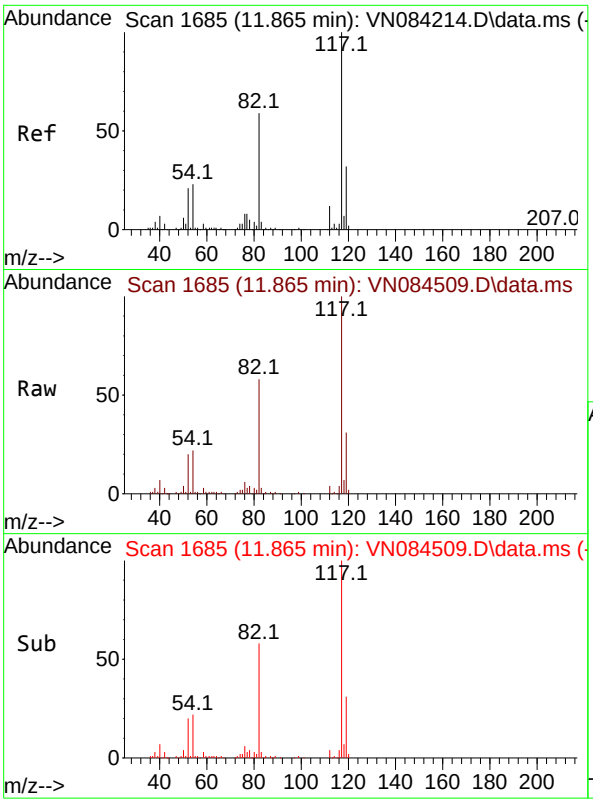


#62
4-Bromofluorobenzene
Concen: 51.360 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 95 Resp: 133424

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	145.2
176	70.5	0.0	140.0



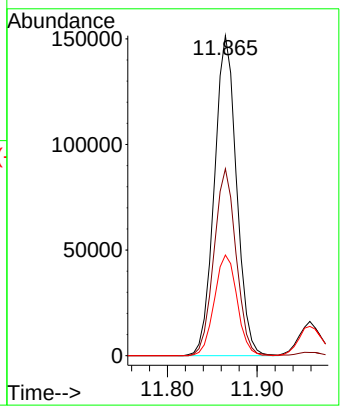


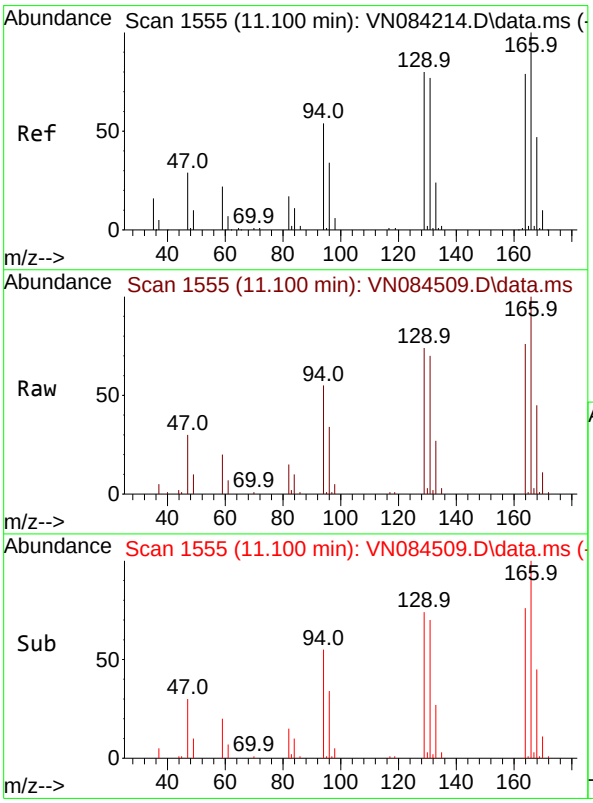
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:117 Resp: 259694

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.2	70.8
119	31.4	25.4	38.0

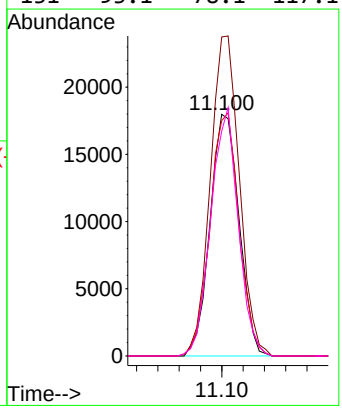


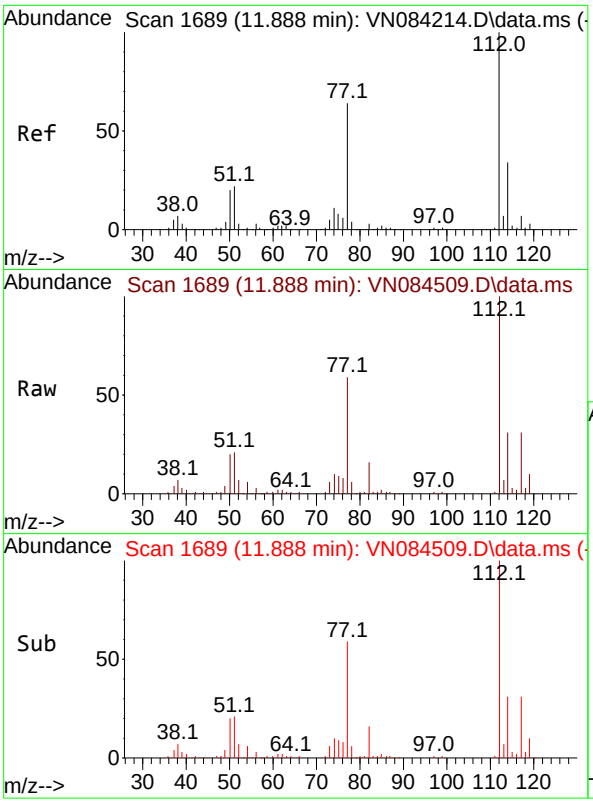


#64
Tetrachloroethene
Concen: 18.815 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:164 Resp: 34033

Ion	Ratio	Lower	Upper
164	100		
166	132.1	101.0	151.4
129	97.4	80.8	121.2
131	93.1	78.1	117.1



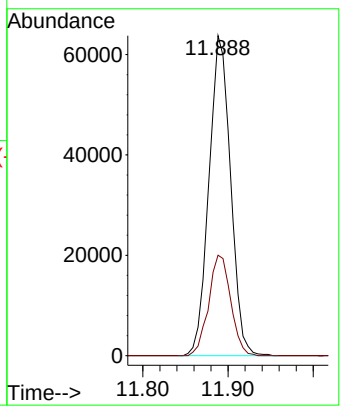


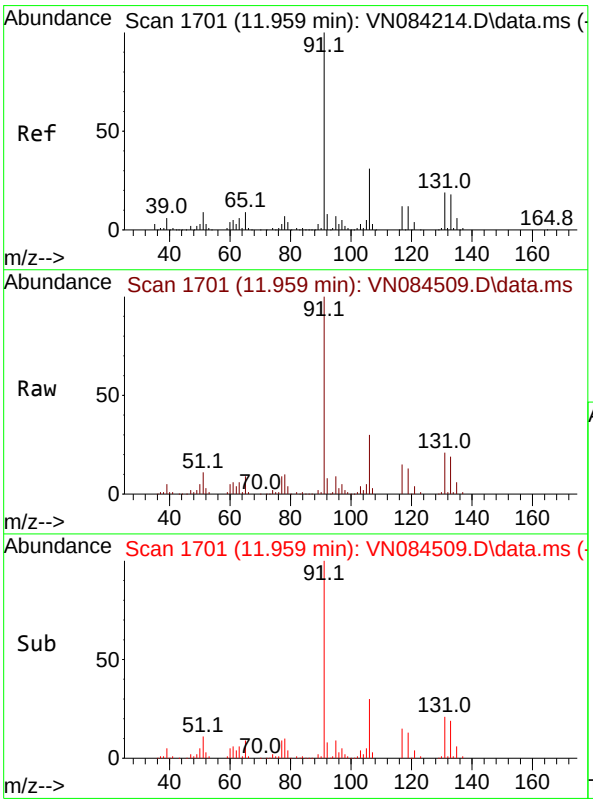
#65
Chlorobenzene
Concen: 19.517 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:112 Resp: 112381

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6

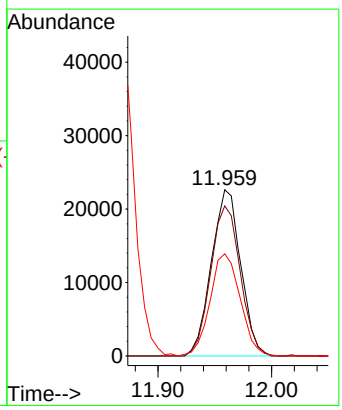


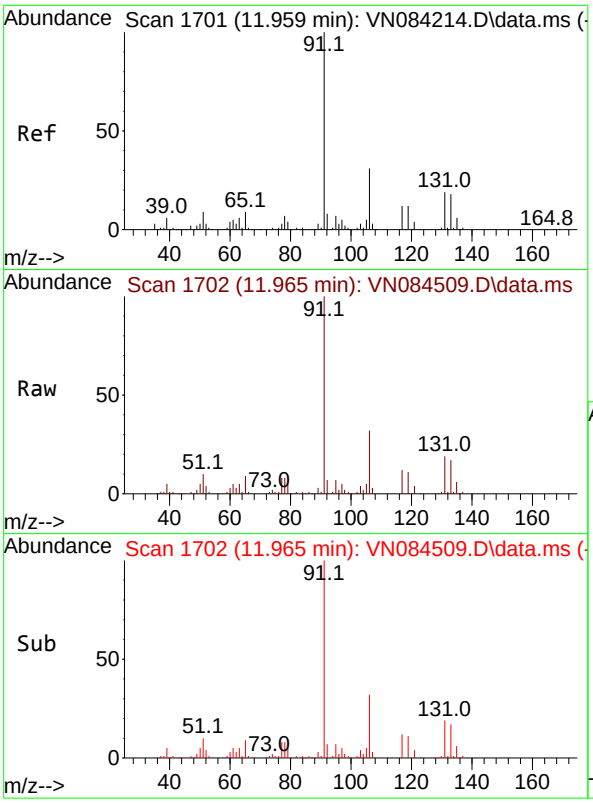


#66
1,1,1,2-Tetrachloroethane
Concen: 20.424 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:131 Resp: 40507

Ion	Ratio	Lower	Upper
131	100		
133	91.4	47.9	143.7
119	63.3	32.8	98.3



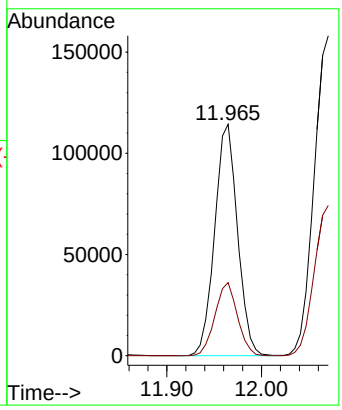


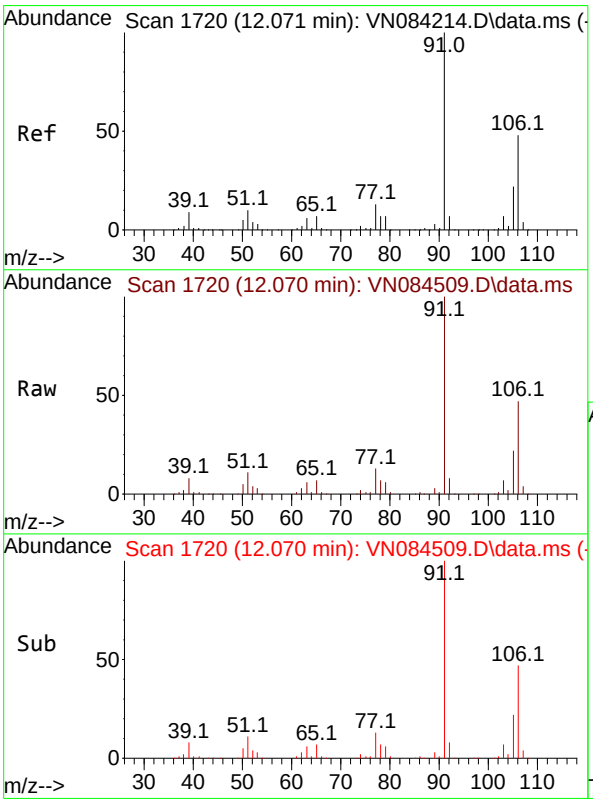
#67
Ethyl Benzene
Concen: 18.813 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 91 Resp: 191570

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.5	36.7

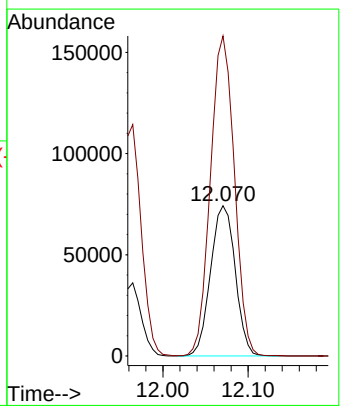


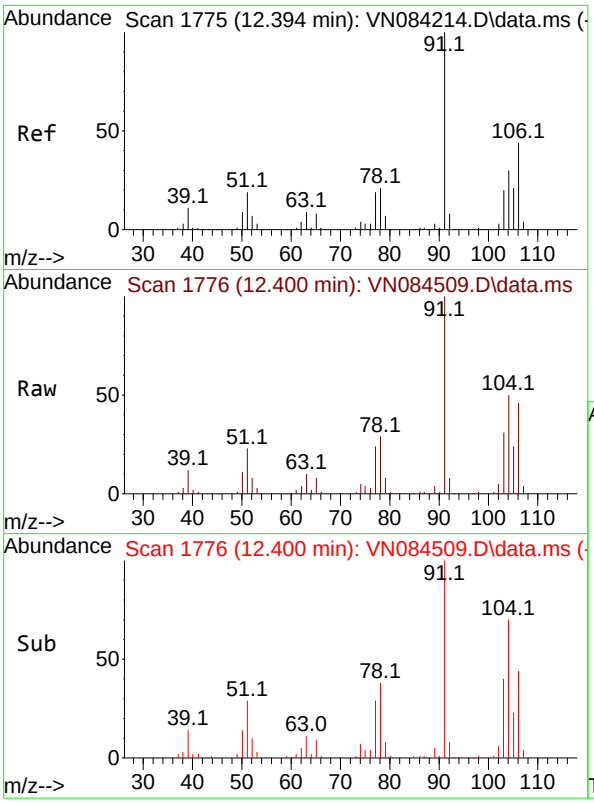


#68
m/p-Xylenes
Concen: 39.637 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:106 Resp: 149303

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



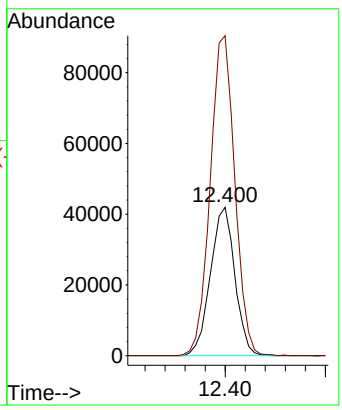


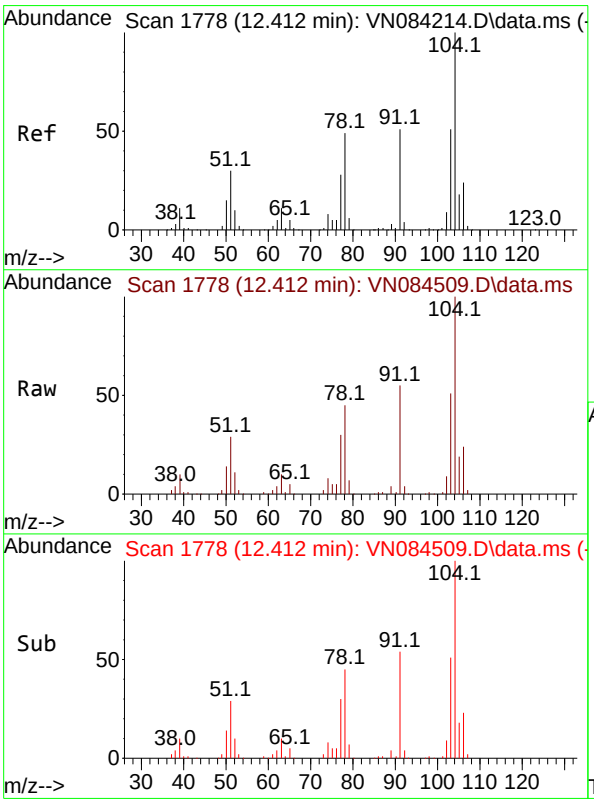
#69
o-Xylene
Concen: 19.913 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:106 Resp: 70967

Ion	Ratio	Lower	Upper
106	100		
91	217.3	110.2	330.6

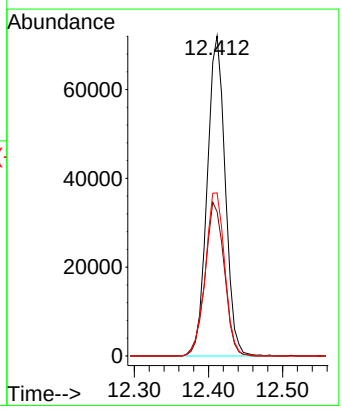


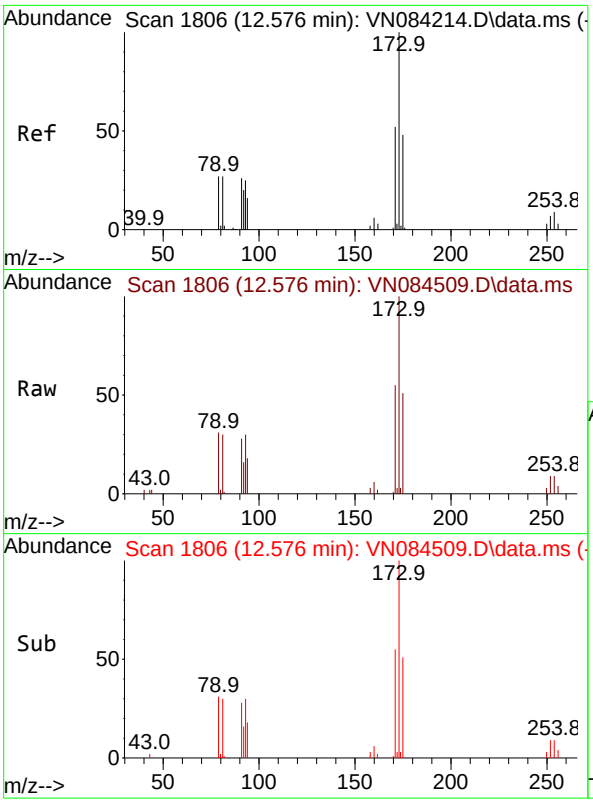


#70
Styrene
Concen: 20.184 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:104 Resp: 121840

Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.7	64.1
103	55.0	43.6	65.4



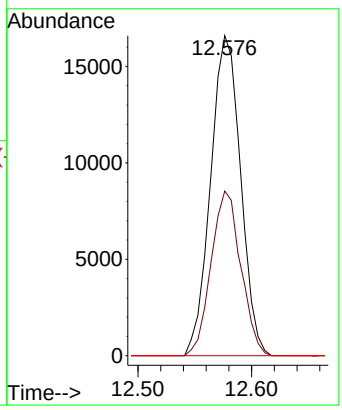


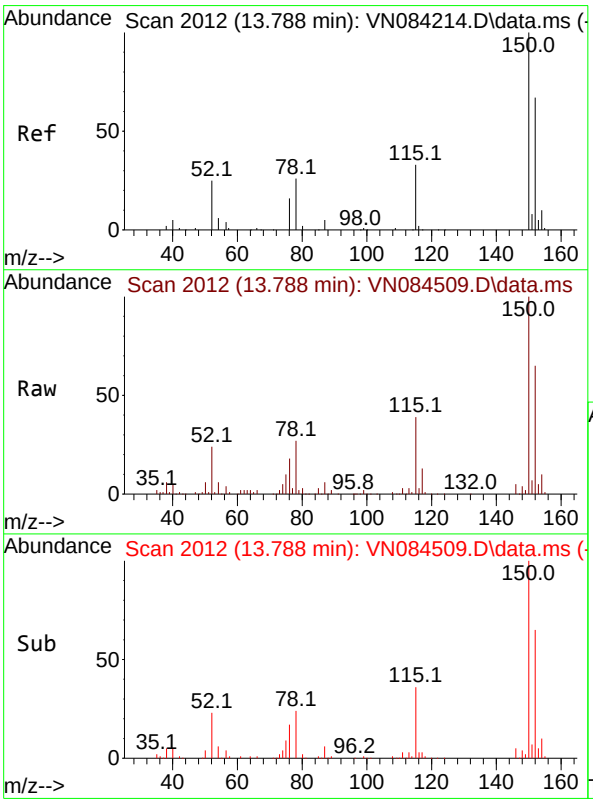
#71
Bromoform
Concen: 20.854 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:173 Resp: 30450

Ion	Ratio	Lower	Upper
173	100		
175	50.9	23.5	70.6
254	0.0	0.0	0.0

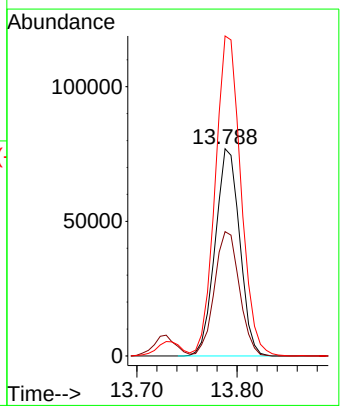


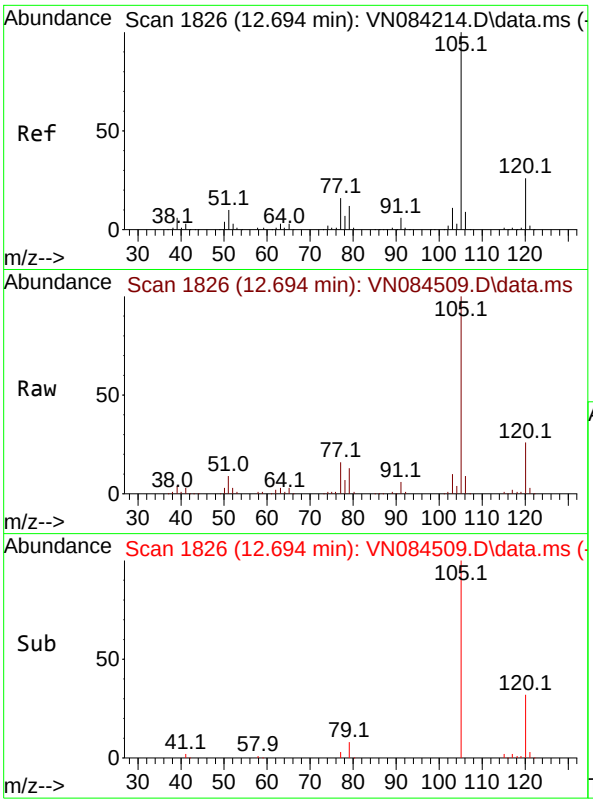


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:152 Resp: 130520

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.3	93.9
150	161.7	0.0	349.8



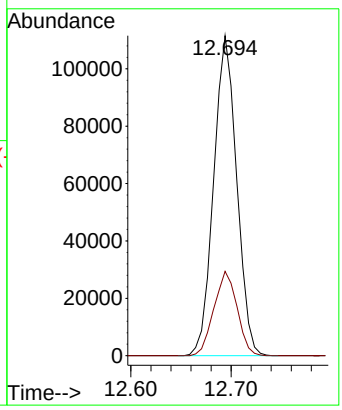


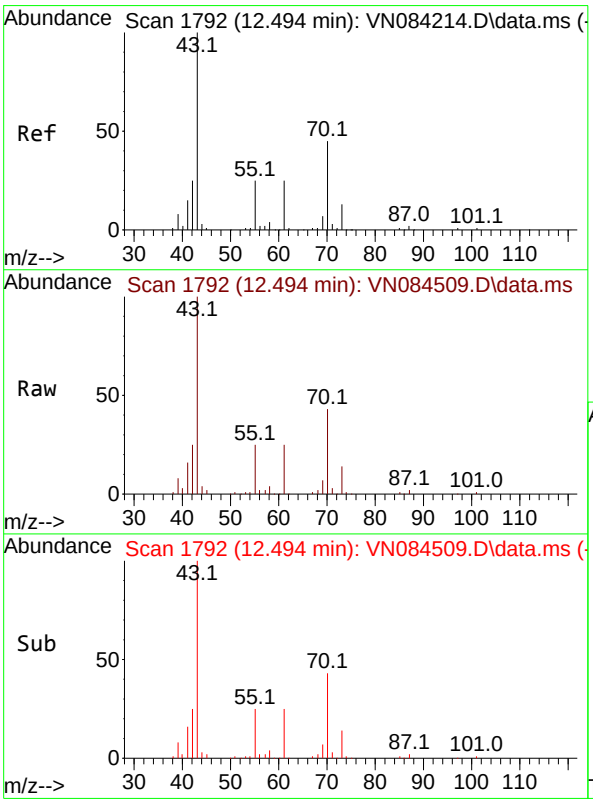
#73
Isopropylbenzene
Concen: 17.846 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:105 Resp: 177747

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

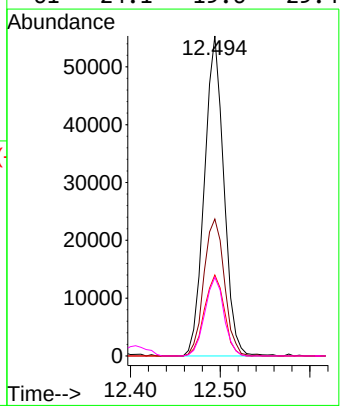


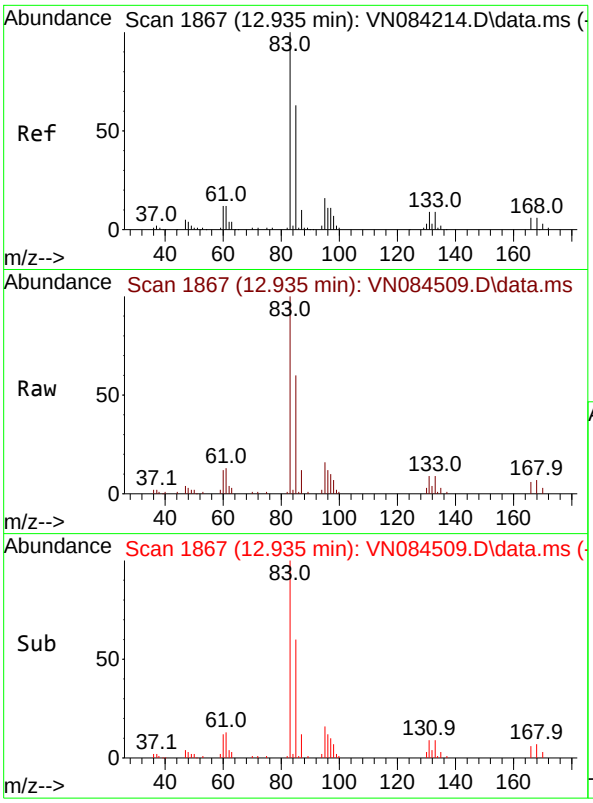


#74
N-amyl acetate
Concen: 18.494 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 43 Resp: 83413

Ion	Ratio	Lower	Upper
43	100		
70	45.2	34.4	51.6
55	25.8	19.6	29.4
61	24.1	19.6	29.4



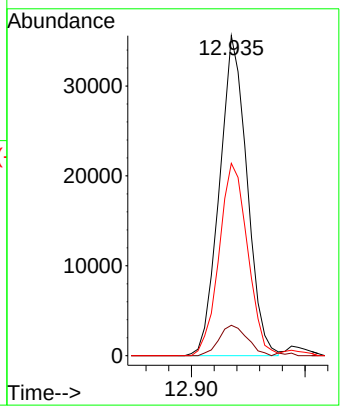


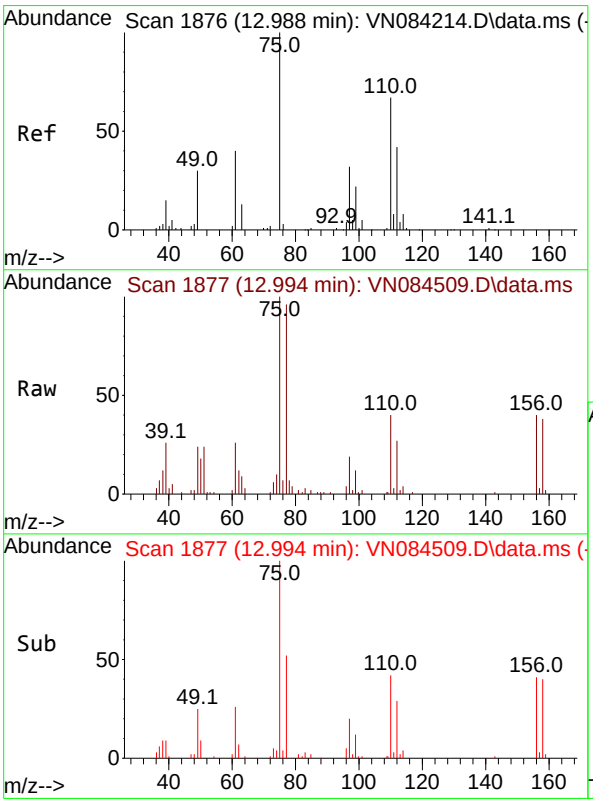
#75
1,1,2,2-Tetrachloroethane
Concen: 20.011 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 83 Resp: 59930

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	62.3	31.9	95.7

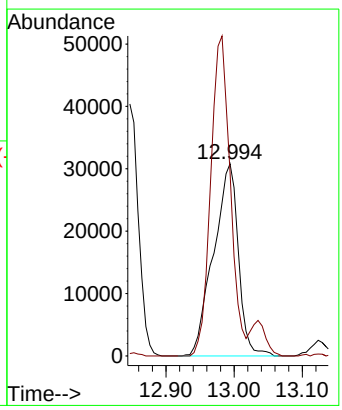


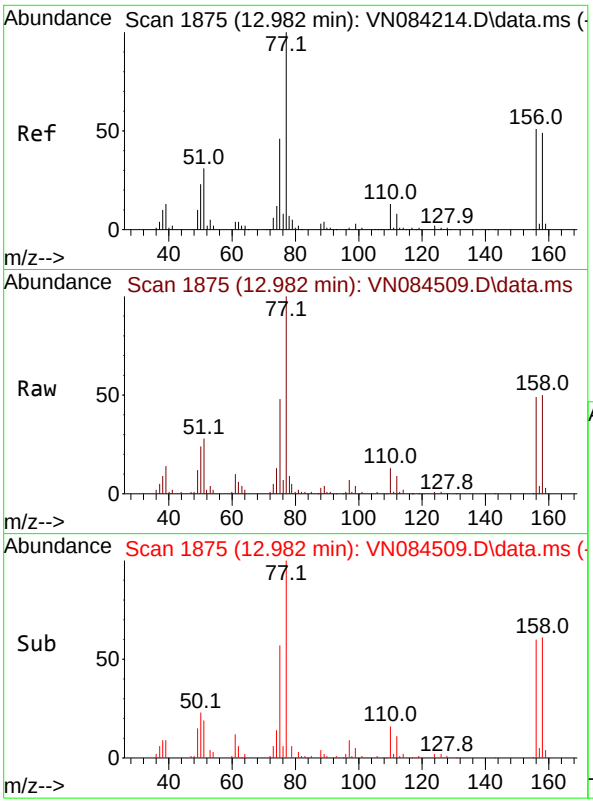


#76
1,2,3-Trichloropropane
Concen: 29.276 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 78010

Ion	Ratio	Lower	Upper
75	100		
77	131.2	96.9	290.7



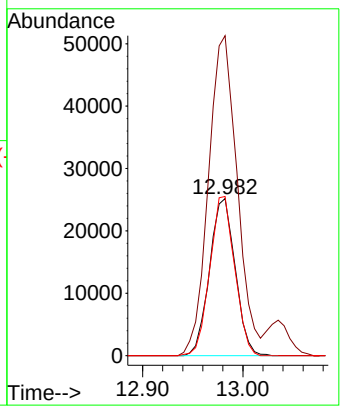


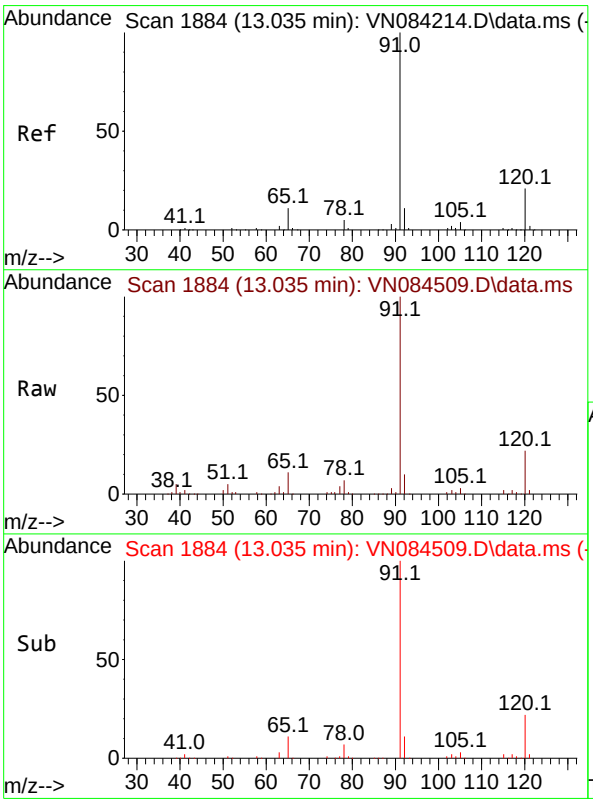
#77
Bromobenzene
Concen: 18.632 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:156 Resp: 44762

Ion	Ratio	Lower	Upper
156	100		
77	228.6	115.1	345.3
158	98.1	48.9	146.8

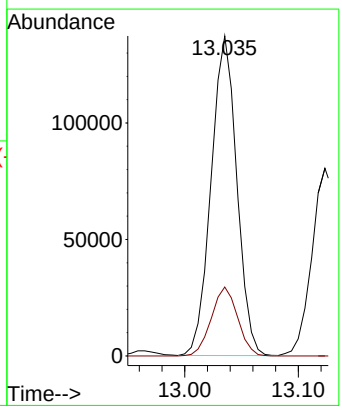


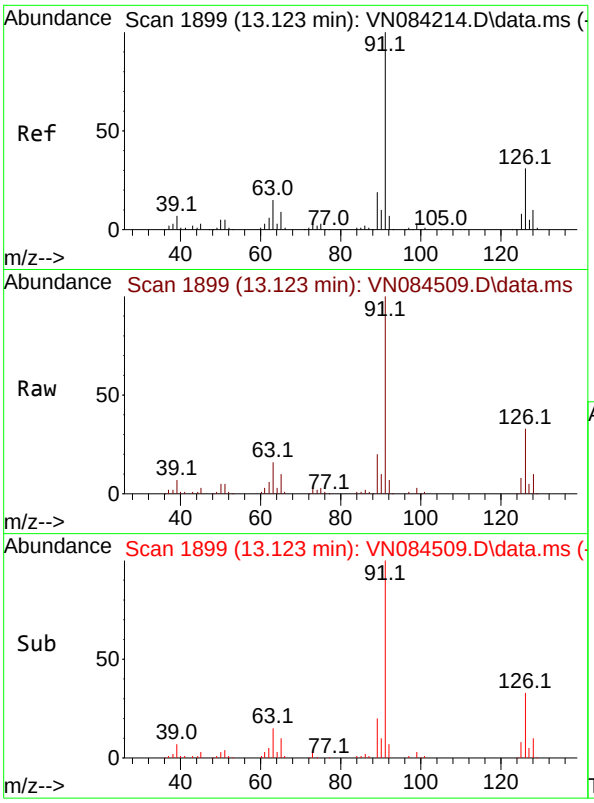


#78
n-propylbenzene
Concen: 18.702 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 215810

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



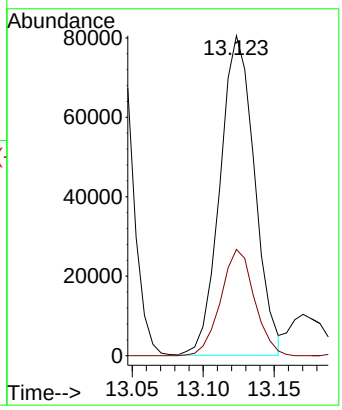


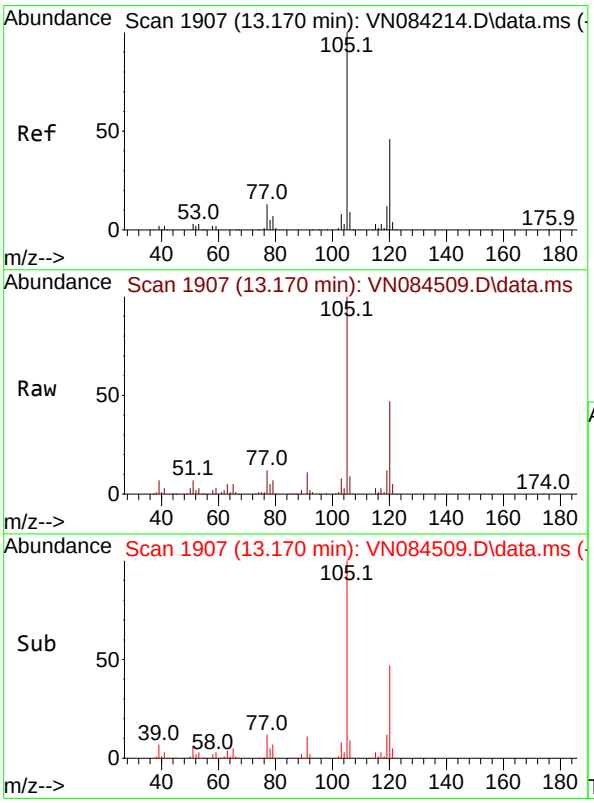
#79
2-Chlorotoluene
Concen: 18.510 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 91 Resp: 136297

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

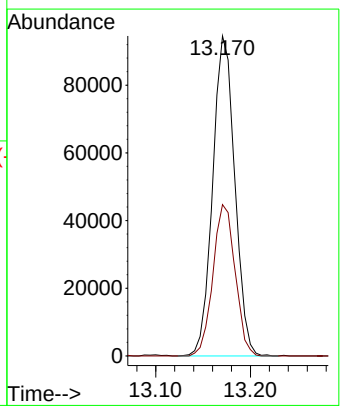


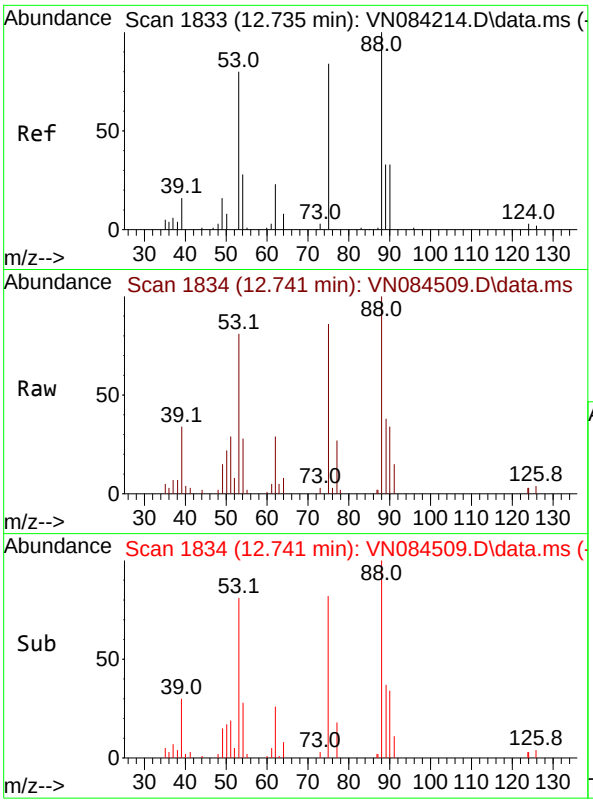


#80
1,3,5-Trimethylbenzene
Concen: 18.862 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:105 Resp: 153246

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



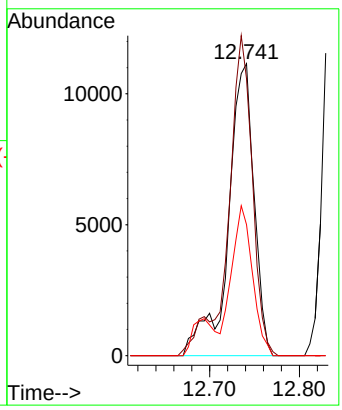


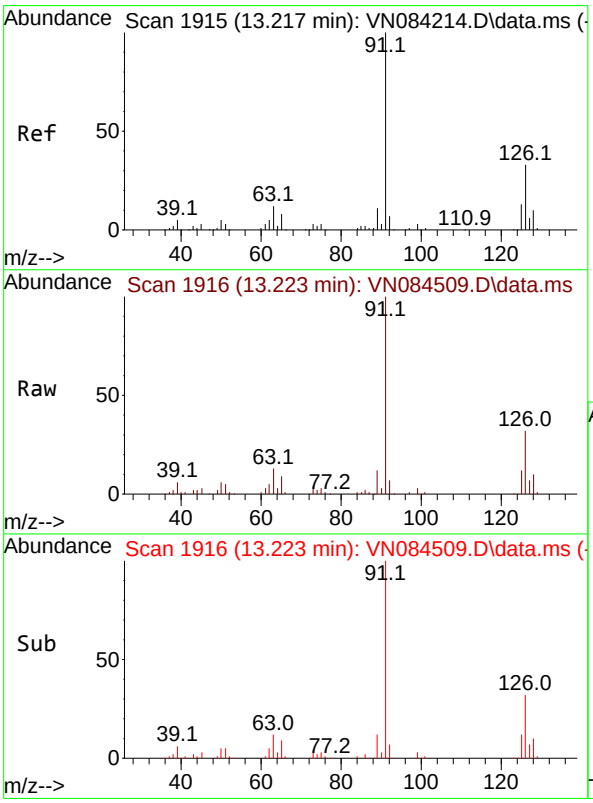
#81
trans-1,4-Dichloro-2-butene
Concen: 20.093 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 75 Resp: 22332

Ion	Ratio	Lower	Upper
75	100		
53	93.4	78.0	117.0
89	41.4	35.5	53.3

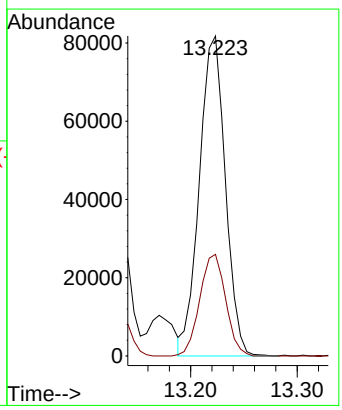


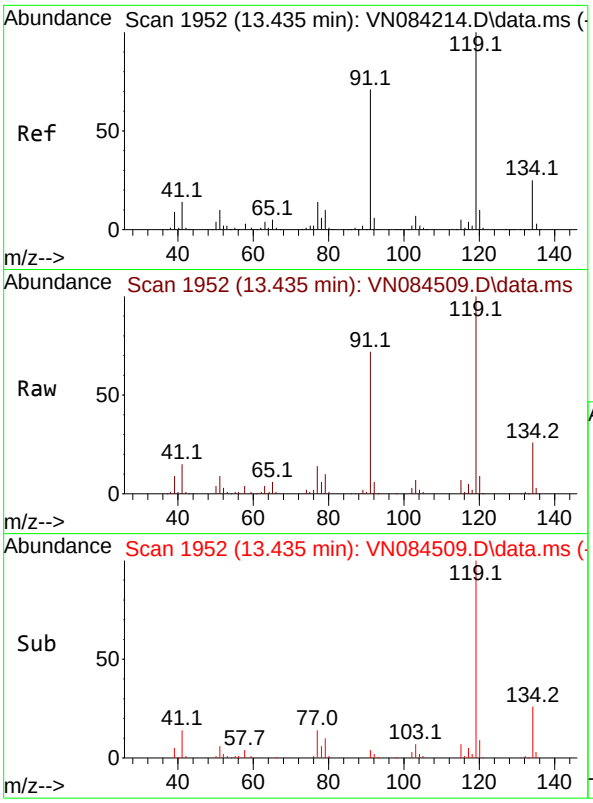


#82
4-Chlorotoluene
Concen: 18.721 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 91 Resp: 138768

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



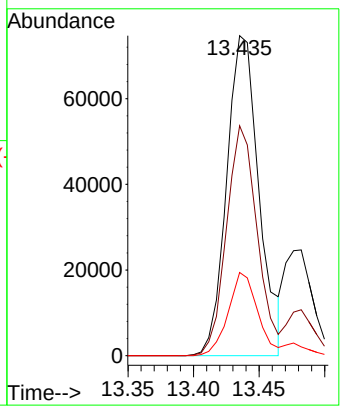


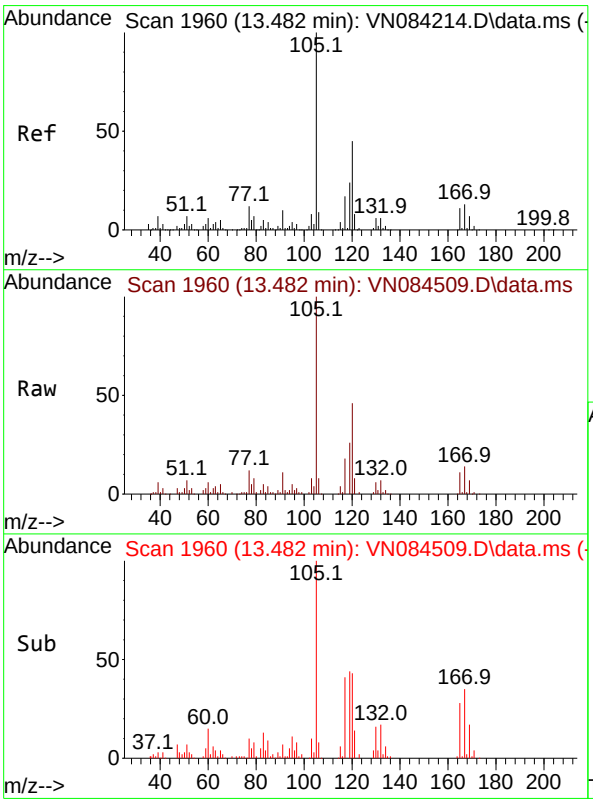
#83
tert-Butylbenzene
Concen: 17.811 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:119 Resp: 128615

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	23.6	12.8	38.4

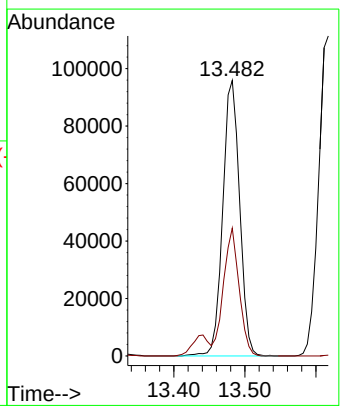


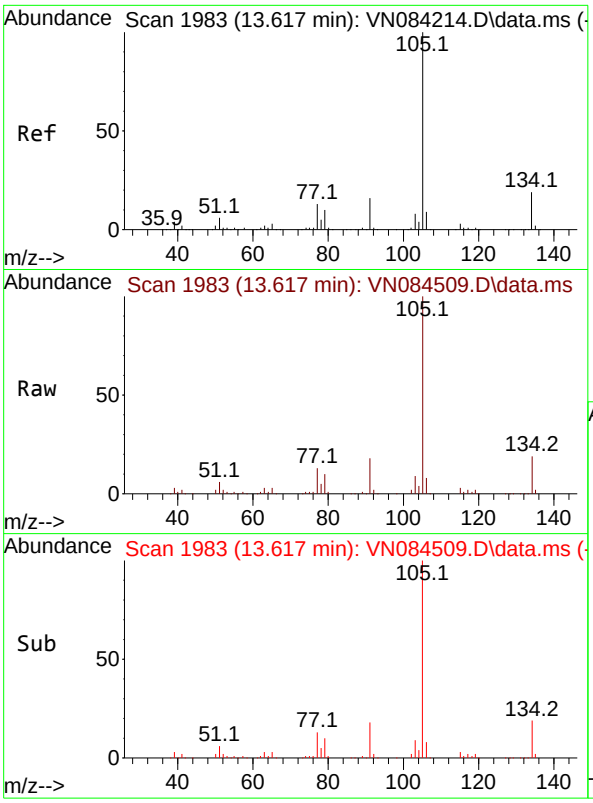


#84
1,2,4-Trimethylbenzene
Concen: 19.268 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:105 Resp: 157700

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.3	66.8



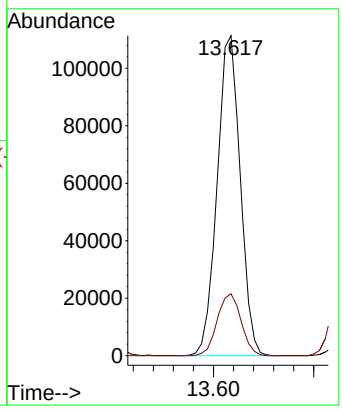


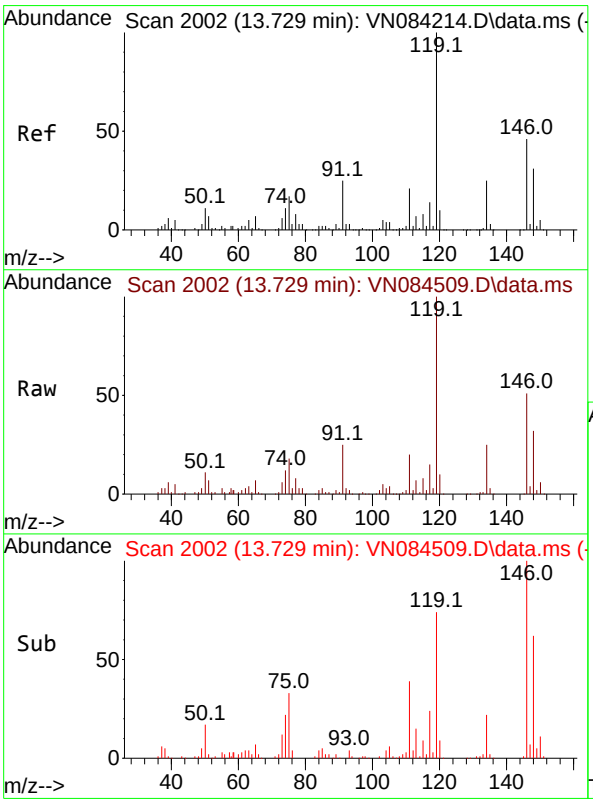
#85
sec-Butylbenzene
Concen: 18.475 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:105 Resp: 178019

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

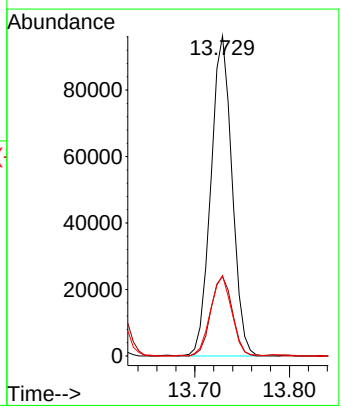


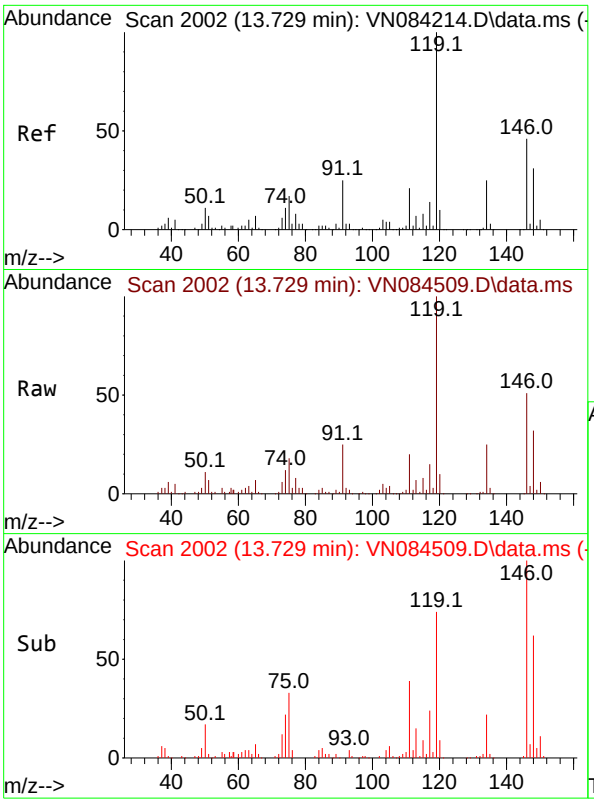


#86
p-Isopropyltoluene
Concen: 18.757 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:119 Resp: 149454

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	25.2	12.4	37.2



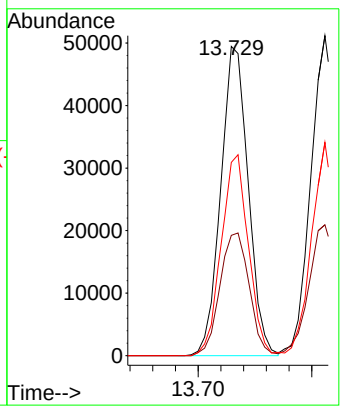


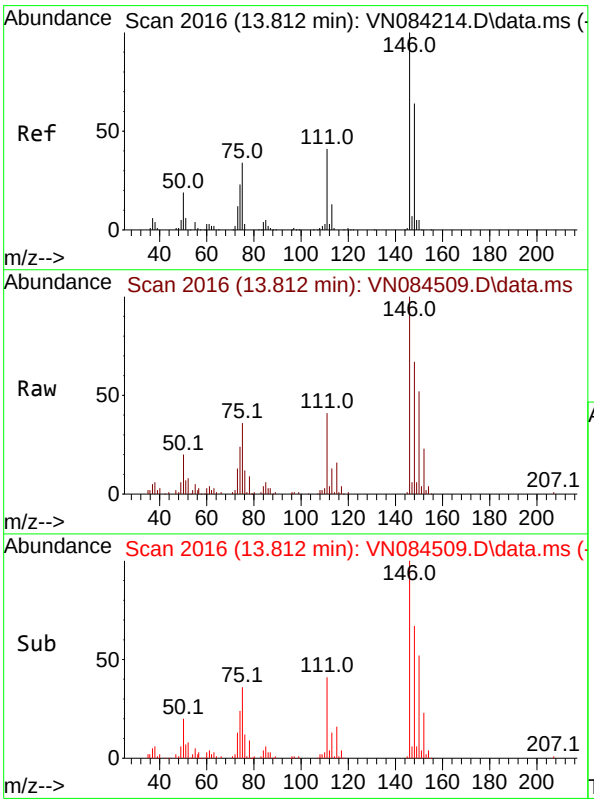
#87
1,3-Dichlorobenzene
Concen: 18.469 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:146 Resp: 83237

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	64.5	31.9	95.7

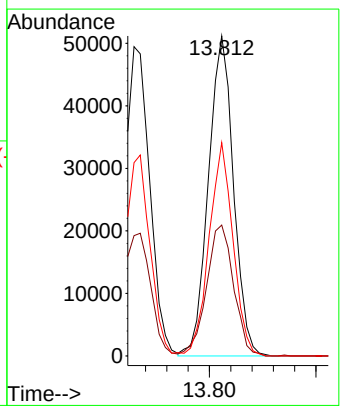


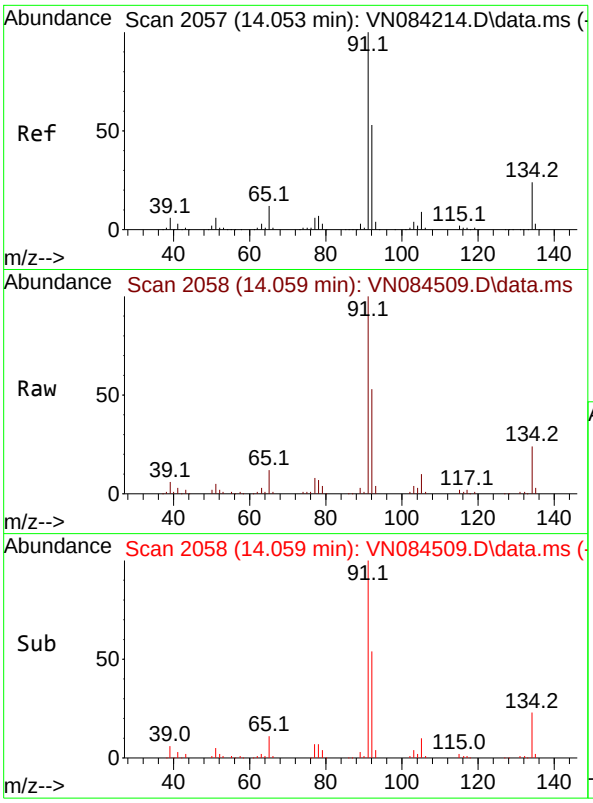


#88
1,4-Dichlorobenzene
Concen: 18.374 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:146 Resp: 83627

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.2	63.6
148	63.4	31.9	95.9



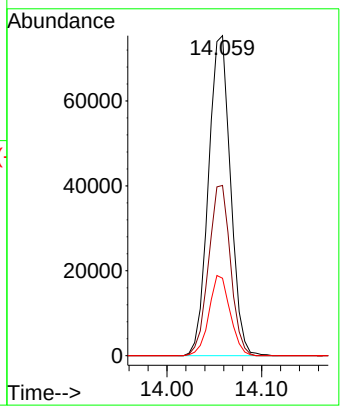


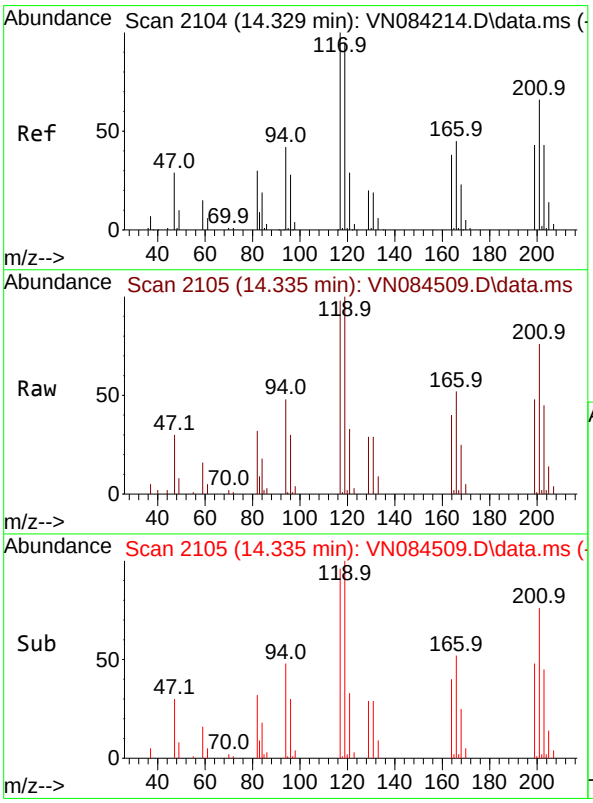
#89
n-Butylbenzene
Concen: 16.877 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion: 91 Resp: 121940

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	24.1	12.3	36.9

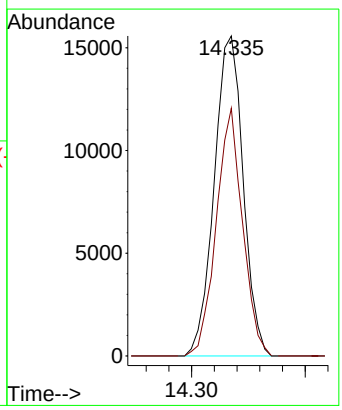


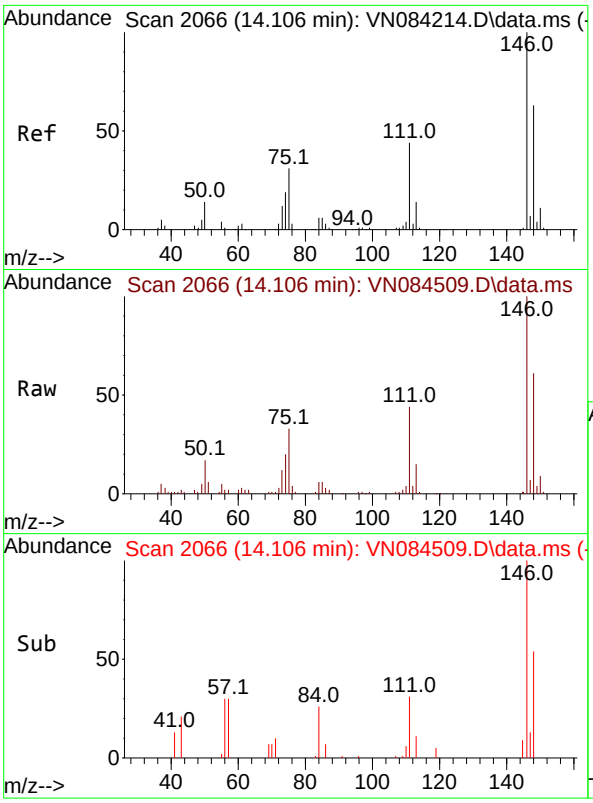


#90
Hexachloroethane
Concen: 17.049 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:117 Resp: 27574

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.4	103.2



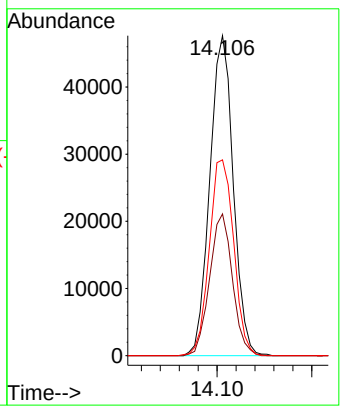


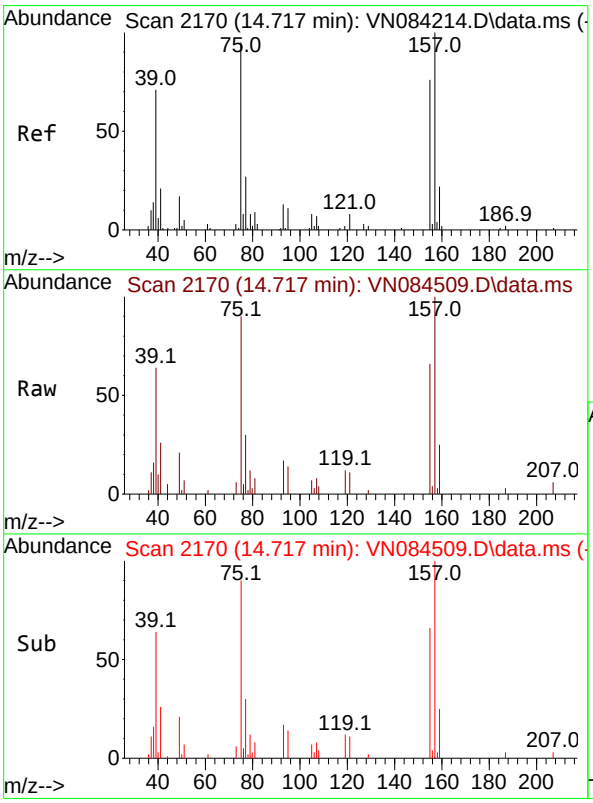
#91
1,2-Dichlorobenzene
Concen: 18.501 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:146 Resp: 81762

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	63.8	32.1	96.3

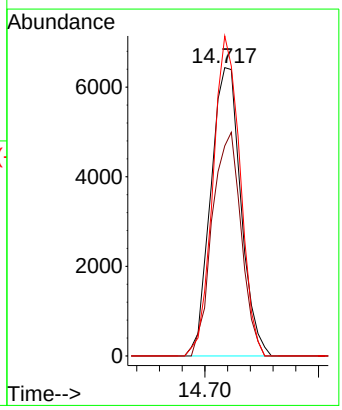


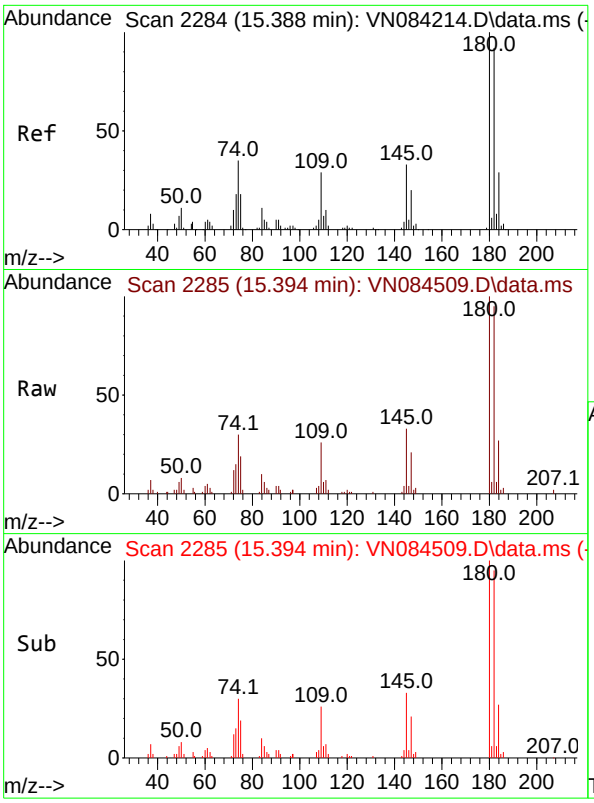


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.184 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion: 75 Resp: 11856

Ion	Ratio	Lower	Upper
75	100		
155	74.5	38.1	114.5
157	99.8	49.6	149.0



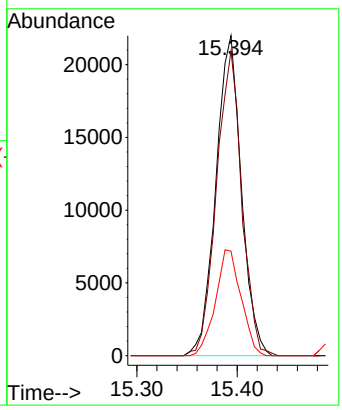


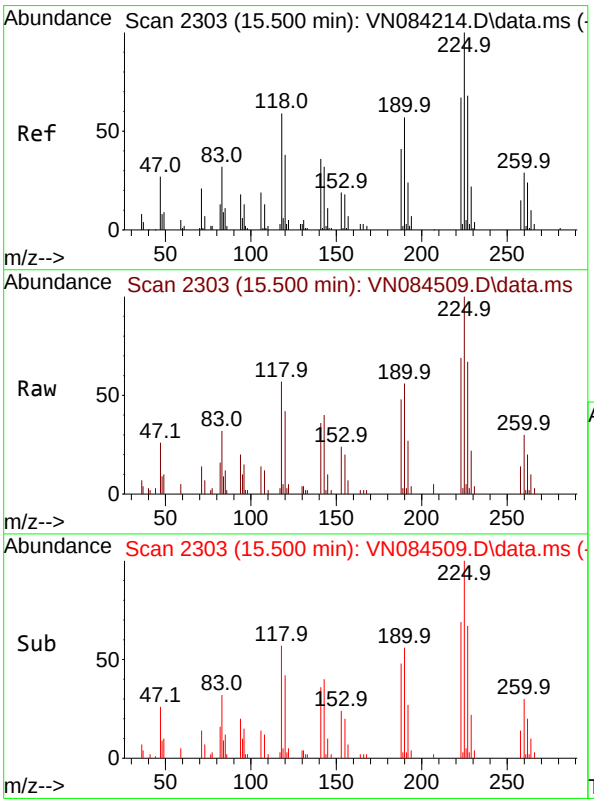
#93
1,2,4-Trichlorobenzene
Concen: 17.806 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:180 Resp: 38758

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.1	16.4	49.4

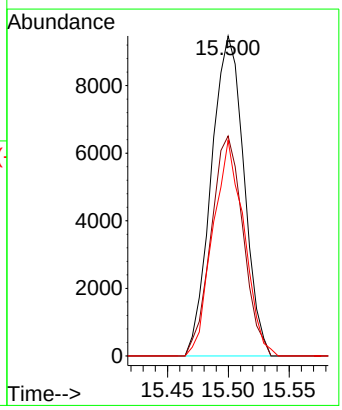


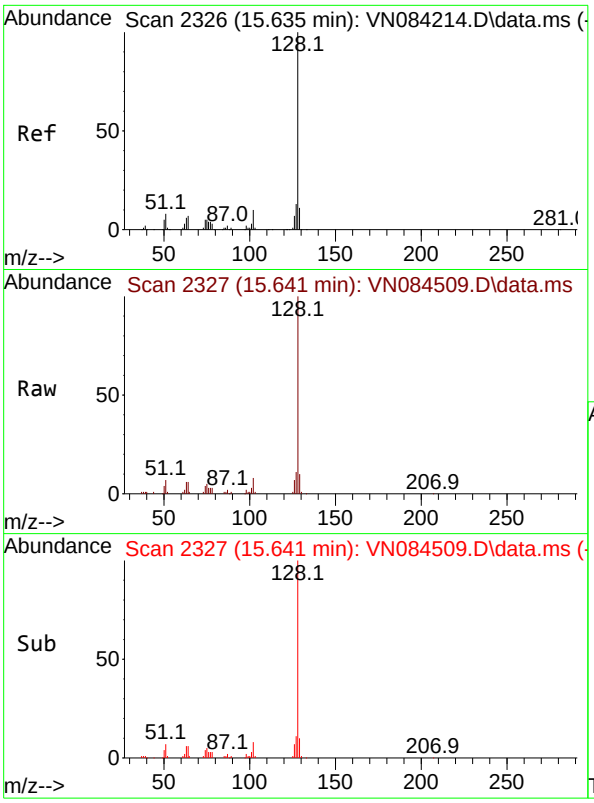


#94
Hexachlorobutadiene
Concen: 16.280 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:225 Resp: 17672

Ion	Ratio	Lower	Upper
225	100		
223	67.5	32.4	97.2
227	64.5	32.4	97.0



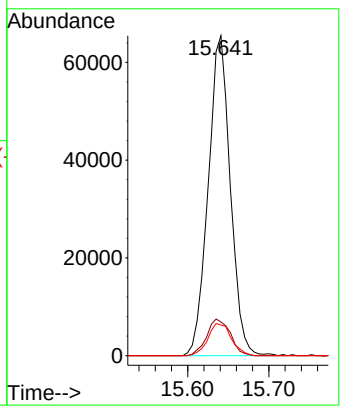


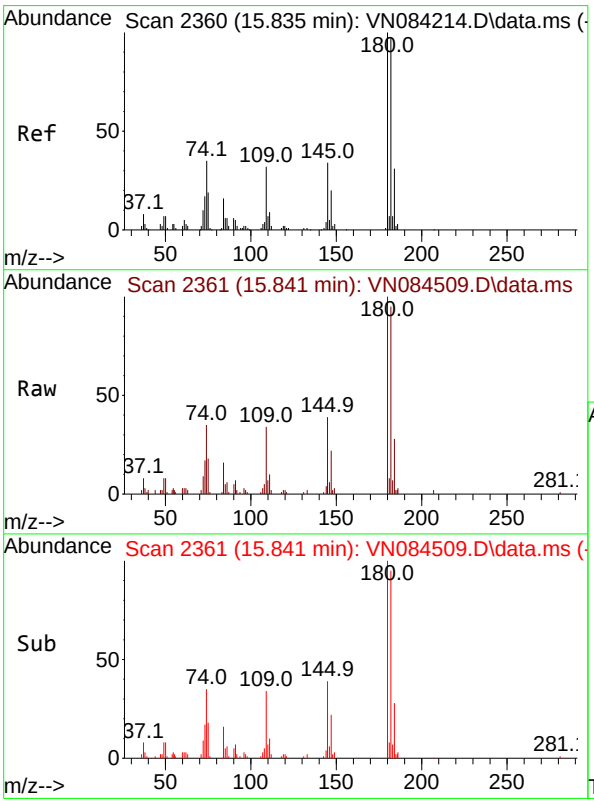
#95
Naphthalene
Concen: 17.177 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tgt Ion:128 Resp: 123953

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	10.7	8.7	13.1

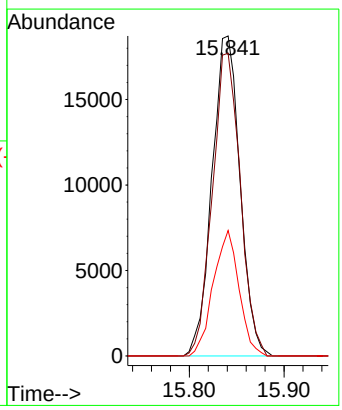




#96
1,2,3-Trichlorobenzene
Concen: 17.640 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084509.D
Acq: 25 Oct 2024 12:27

Tgt Ion:180 Resp: 38435

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.2	144.6
145	36.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122767	49.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.280%			
35) Dibromofluoromethane	8.165	113	98679	52.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.565	98	356900	51.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.847	95	133768	52.811	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	72195	36.594	ug/l	94
3) Chloromethane	2.365	50	88344	39.218	ug/l	99
4) Vinyl Chloride	2.518	62	91591	41.975	ug/l	95
5) Bromomethane	2.948	94	56745	39.426	ug/l	99
6) Chloroethane	3.118	64	62116	39.749	ug/l	92
7) Trichlorofluoromethane	3.501	101	161924	47.655	ug/l	95
8) Diethyl Ether	3.965	74	59289	47.048	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	93993	48.278	ug/l	99
10) Methyl Iodide	4.589	142	117205	46.747	ug/l	95
11) Tert butyl alcohol	5.518	59	88149	216.174	ug/l	99
12) 1,1-Dichloroethene	4.342	96	87574	46.634	ug/l	95
13) Acrolein	4.183	56	104358	222.928	ug/l	100
14) Allyl chloride	5.024	41	140102	42.957	ug/l	98
15) Acrylonitrile	5.718	53	255442	248.067	ug/l	99
16) Acetone	4.424	43	213314	200.799	ug/l	98
17) Carbon Disulfide	4.712	76	228560	38.442	ug/l	99
18) Methyl Acetate	5.024	43	114869	49.611	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	319035	50.335	ug/l	96
20) Methylene Chloride	5.277	84	106437	49.288	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	93864	47.709	ug/l	98
22) Diisopropyl ether	6.671	45	344942	51.132	ug/l	99
23) Vinyl Acetate	6.600	43	1230781	245.982	ug/l	100
24) 1,1-Dichloroethane	6.571	63	192358	50.989	ug/l	100
25) 2-Butanone	7.483	43	334778	231.376	ug/l	99
26) 2,2-Dichloropropane	7.488	77	153197	45.038	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	121267	51.007	ug/l	96
28) Bromochloromethane	7.818	49	83192	49.424	ug/l	95
29) Tetrahydrofuran	7.841	42	222275	248.934	ug/l	99
30) Chloroform	7.965	83	203952	52.045	ug/l	97
31) Cyclohexane	8.253	56	154232	42.106	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	178226	50.640	ug/l	100
36) 1,1-Dichloropropene	8.371	75	136786	49.831	ug/l	99
37) Ethyl Acetate	7.559	43	140540	49.906	ug/l	99
38) Carbon Tetrachloride	8.359	117	152192	50.544	ug/l	97
39) Methylcyclohexane	9.600	83	142779	46.735	ug/l	98
40) Benzene	8.606	78	434246	50.775	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78193	51.145	ug/l		97
42) 1,2-Dichloroethane	8.671	62	148069	51.069	ug/l		99
43) Isopropyl Acetate	8.688	43	233167	42.271	ug/l		97
44) Trichloroethene	9.347	130	100781	50.453	ug/l		97
45) 1,2-Dichloropropane	9.624	63	109028	53.889	ug/l		96
46) Dibromomethane	9.706	93	75789	55.510	ug/l		99
47) Bromodichloromethane	9.888	83	161891	53.371	ug/l	#	99
48) Methyl methacrylate	9.682	41	109954	50.076	ug/l		97
49) 1,4-Dioxane	9.694	88	39891	986.815	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	709816	264.775	ug/l		99
52) Toluene	10.629	92	273057	52.357	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	161025	52.078	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	171984	51.711	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102513	54.831	ug/l		96
56) Ethyl methacrylate	10.871	69	165239	53.712	ug/l		97
57) 1,3-Dichloropropane	11.165	76	179630	53.769	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	370569	259.663	ug/l		98
59) 2-Hexanone	11.194	43	521492	260.266	ug/l		98
60) Dibromochloromethane	11.359	129	124112	56.184	ug/l		99
61) 1,2-Dibromoethane	11.465	107	103132	53.087	ug/l		99
64) Tetrachloroethene	11.100	164	90687	50.022	ug/l		97
65) Chlorobenzene	11.888	112	292777	50.731	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	105641	53.144	ug/l		98
67) Ethyl Benzene	11.959	91	532113	52.136	ug/l		99
68) m/p-Xylenes	12.071	106	408093	108.094	ug/l		98
69) o-Xylene	12.400	106	195654	54.776	ug/l		98
70) Styrene	12.412	104	334901	55.354	ug/l		99
71) Bromoform	12.576	173	80145	54.763	ug/l	#	99
73) Isopropylbenzene	12.694	105	497663	47.706	ug/l		99
74) N-amyl acetate	12.494	43	214096	45.322	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	150561	47.998	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	192225	68.876	ug/l		63
77) Bromobenzene	12.976	156	118604	47.134	ug/l		97
78) n-propylbenzene	13.035	91	596232	49.330	ug/l		100
79) 2-Chlorotoluene	13.123	91	363962	47.192	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	425766	50.034	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	50296	43.206	ug/l		98
82) 4-Chlorotoluene	13.217	91	368750	47.496	ug/l		99
83) tert-Butylbenzene	13.435	119	359032	47.471	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	432987	50.510	ug/l		99
85) sec-Butylbenzene	13.612	105	497624	49.306	ug/l		100
86) p-Isopropyltoluene	13.729	119	416390	49.893	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	222126	47.055	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	223979	46.984	ug/l		99
89) n-Butylbenzene	14.053	91	354026	46.782	ug/l		100
90) Hexachloroethane	14.329	117	75508	44.573	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	218768	47.263	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28530	44.075	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	103896	45.570	ug/l		99
94) Hexachlorobutadiene	15.500	225	46312	40.733	ug/l		98
95) Naphthalene	15.641	128	333714	44.152	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	103160	45.202	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

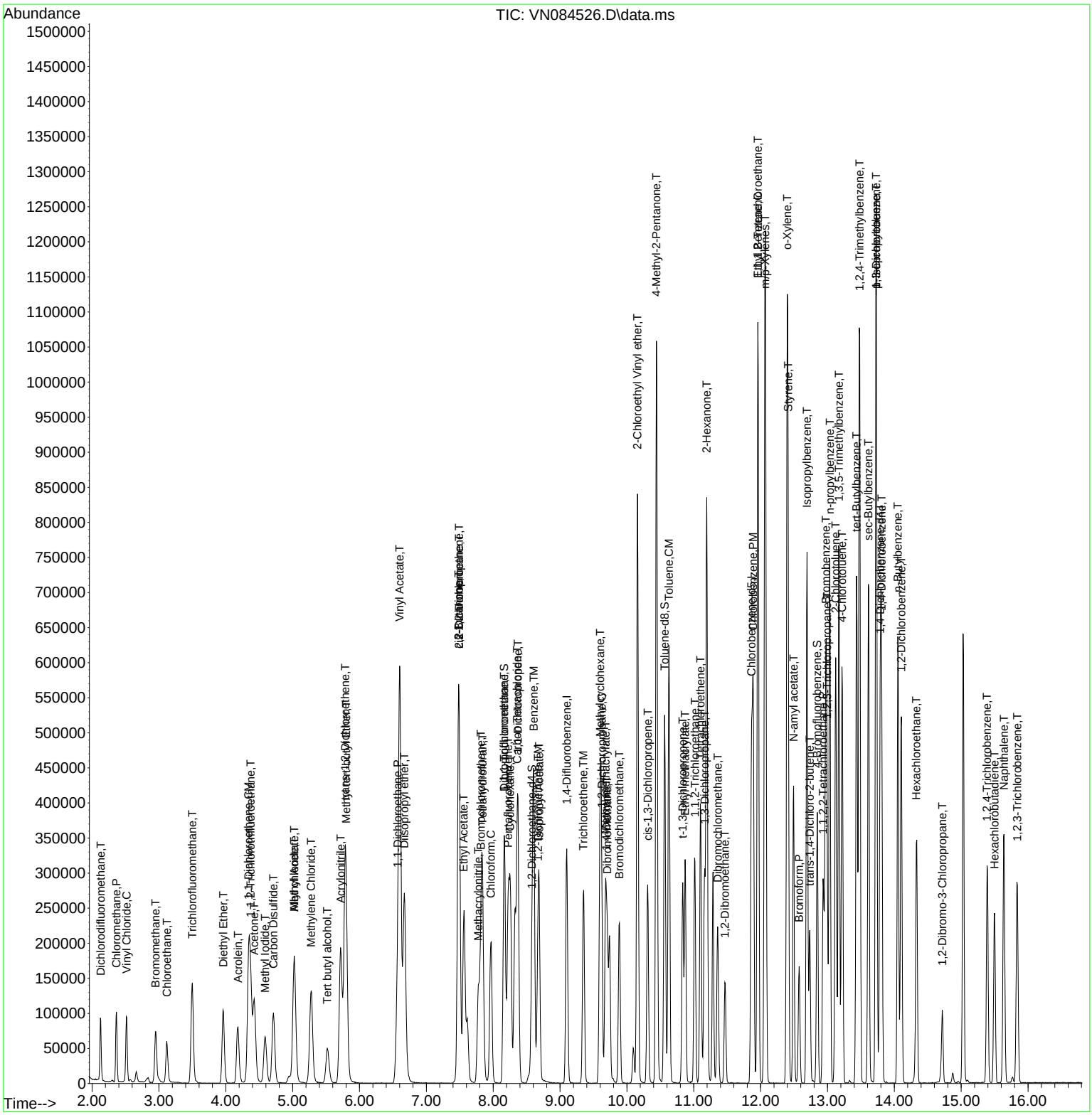
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

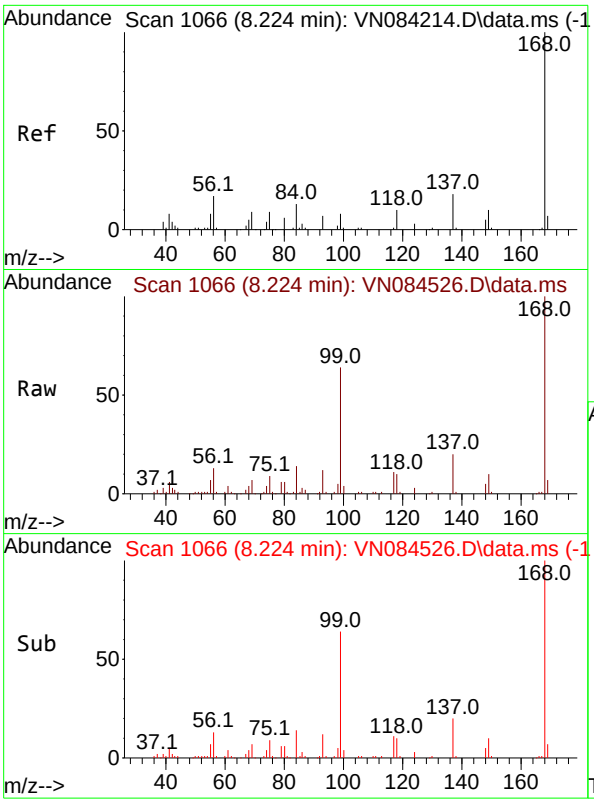
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
Data File : VN084526.D
Acq On : 25 Oct 2024 19:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 25 23:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



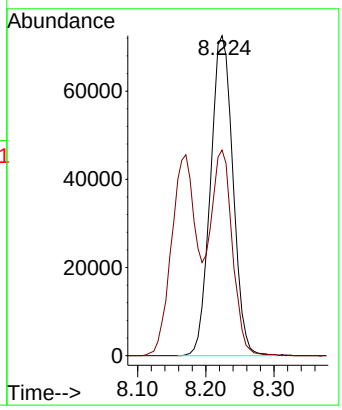


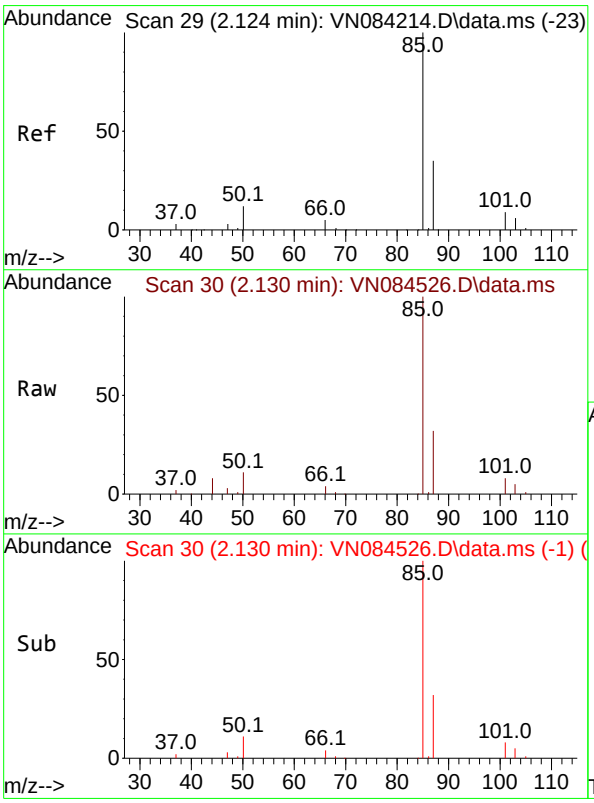
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 166788

Ion	Ratio	Lower	Upper
168	100		
99	64.0	54.2	81.2

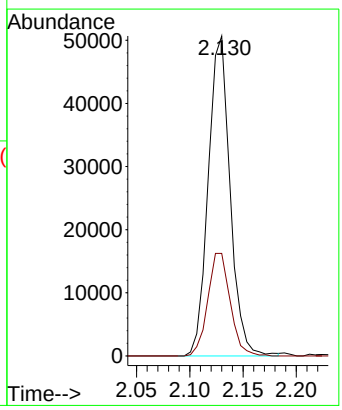


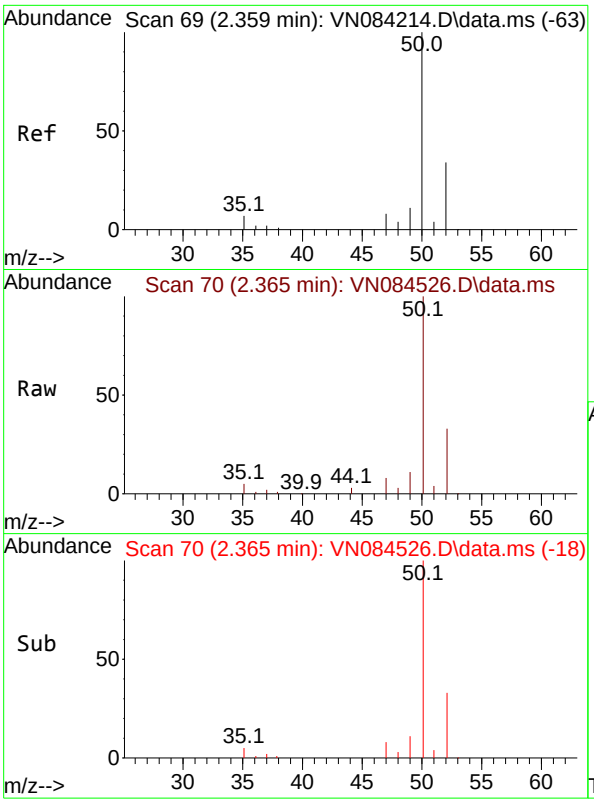


#2
Dichlorodifluoromethane
Concen: 36.594 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 85 Resp: 72195

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.6	52.9



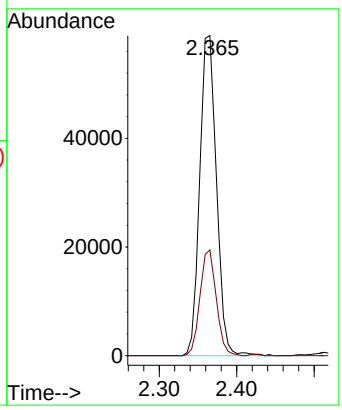


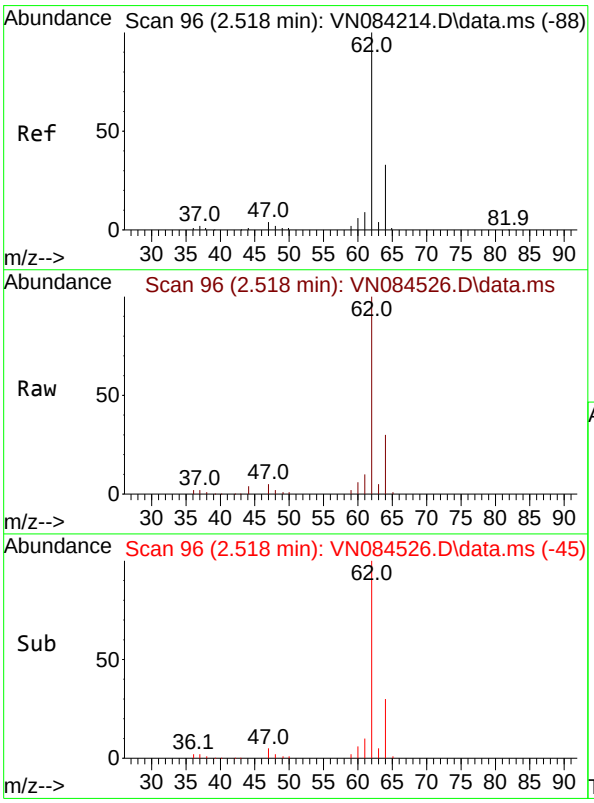
#3
Chloromethane
Concen: 39.218 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 88344

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.8	40.2

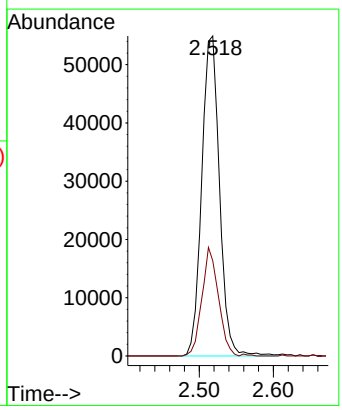


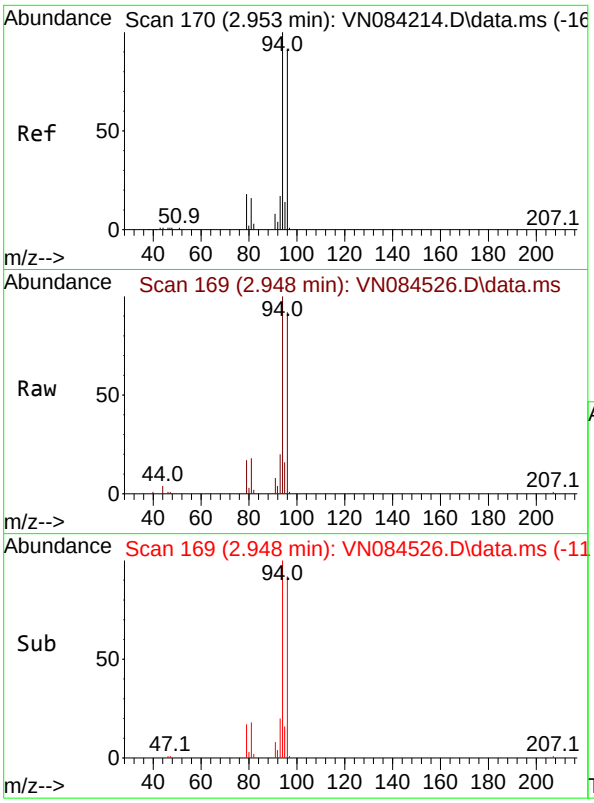


#4
Vinyl Chloride
Concen: 41.975 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 62 Resp: 91591

Ion	Ratio	Lower	Upper
62	100		
64	29.8	26.2	39.4



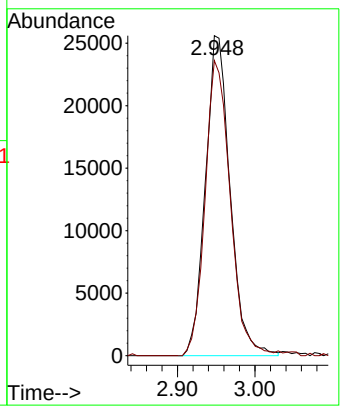


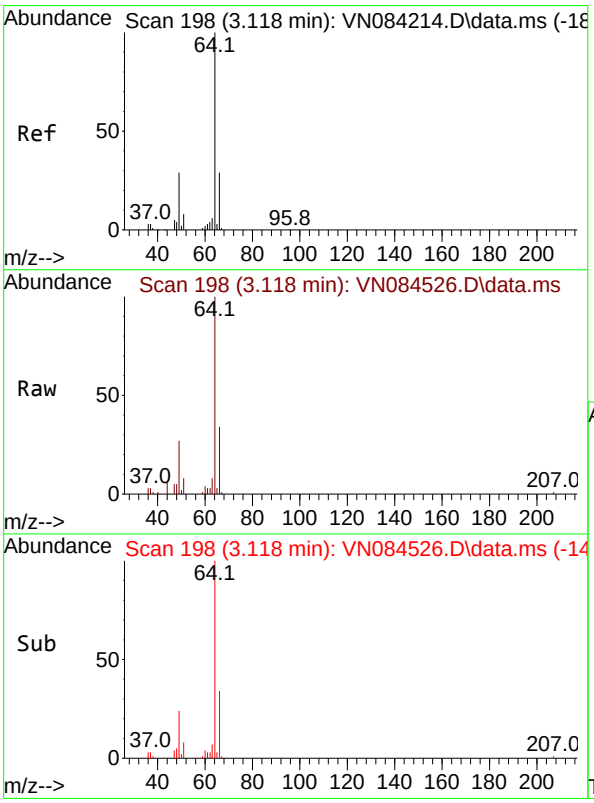
#5
Bromomethane
Concen: 39.426 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 56745

Ion	Ratio	Lower	Upper
94	100		
96	92.2	72.9	109.3

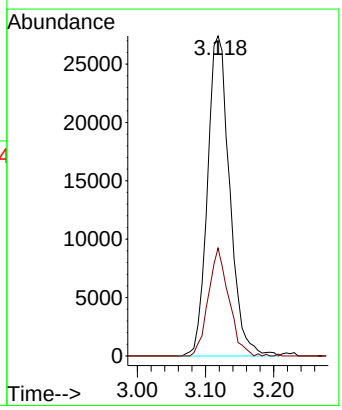


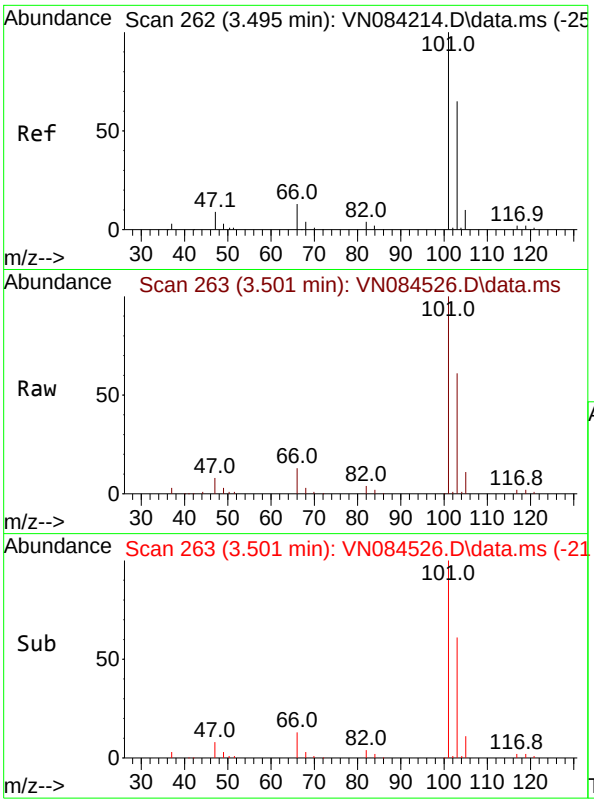


#6
Chloroethane
Concen: 39.749 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 64 Resp: 62116

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3



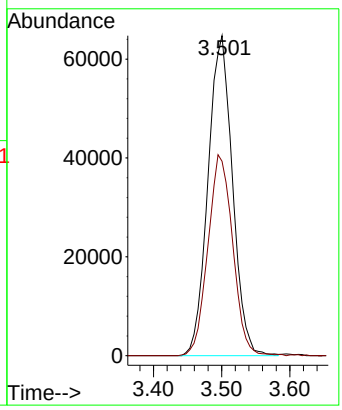


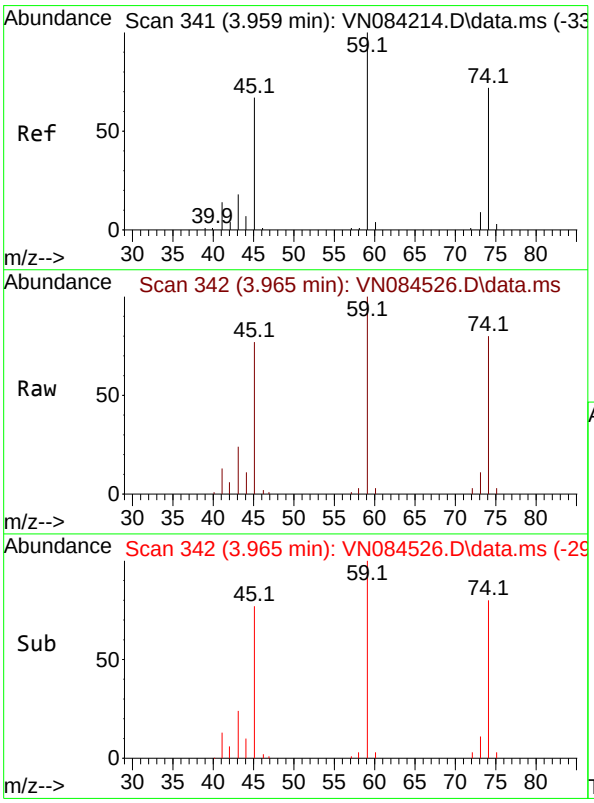
#7
Trichlorofluoromethane
Concen: 47.655 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 161924

Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.8	77.6

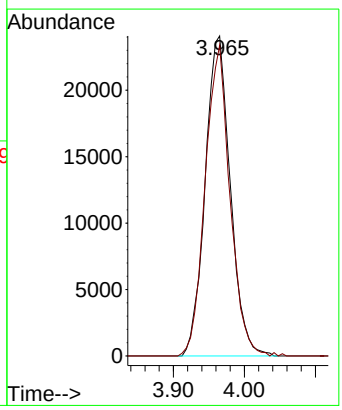


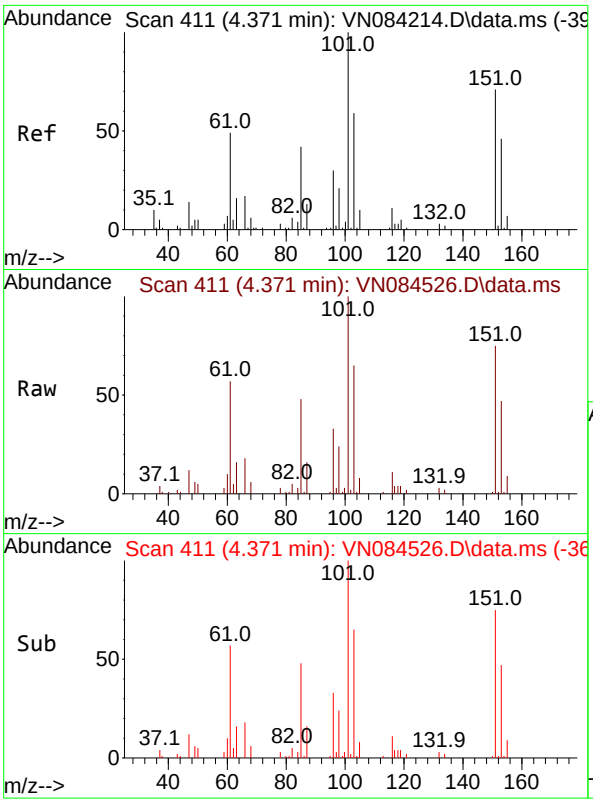


#8
Diethyl Ether
Concen: 47.048 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 74 Resp: 59289

Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.7	143.1



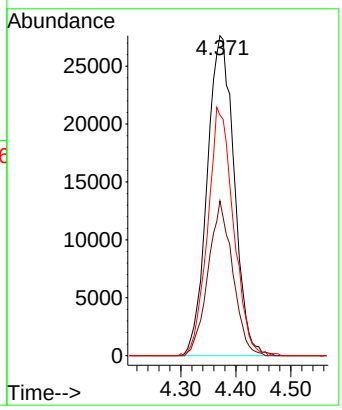


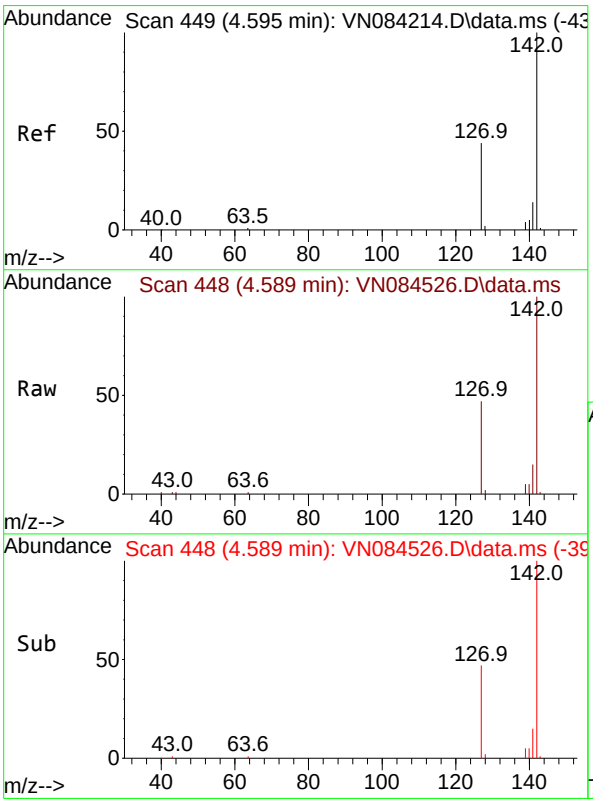
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.278 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 93993

Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.2	54.4
151	74.1	59.3	88.9

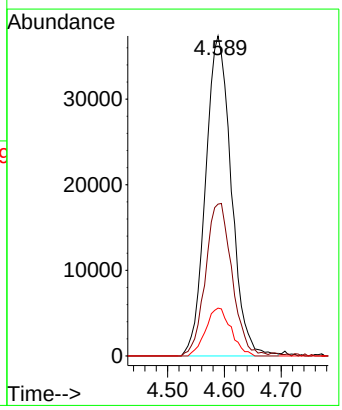


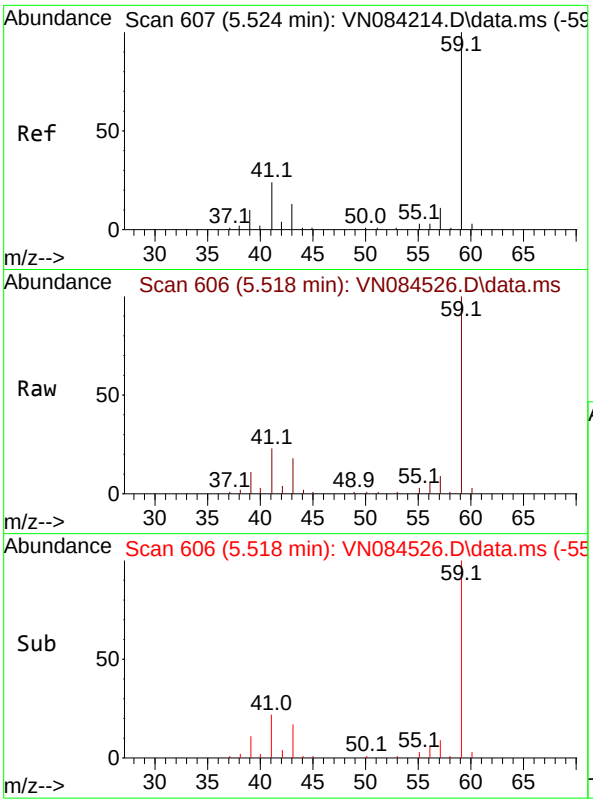


#10
Methyl Iodide
Concen: 46.747 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:142 Resp: 117205

Ion	Ratio	Lower	Upper
142	100		
127	47.5	35.3	52.9
141	14.9	11.0	16.6



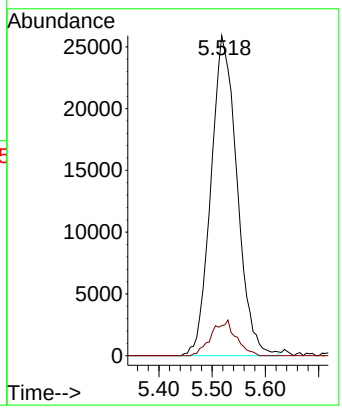


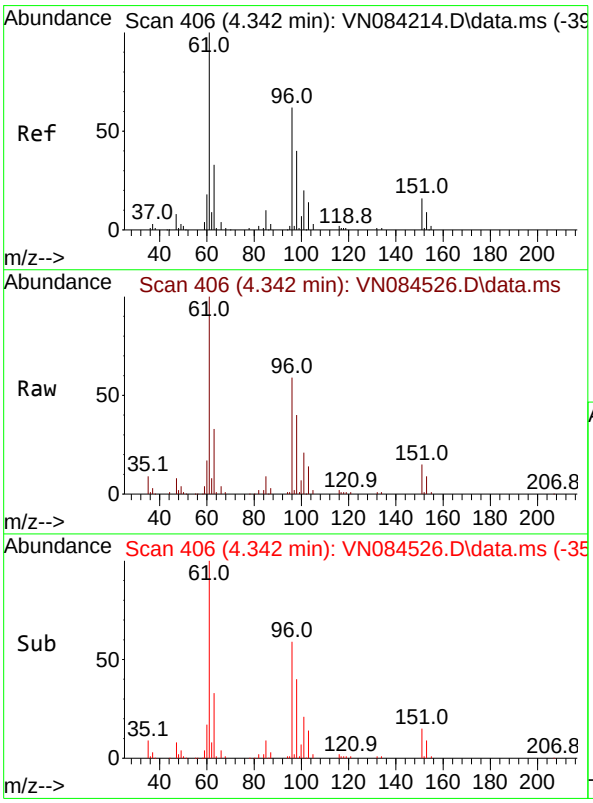
#11
Tert butyl alcohol
Concen: 216.174 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 88149

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

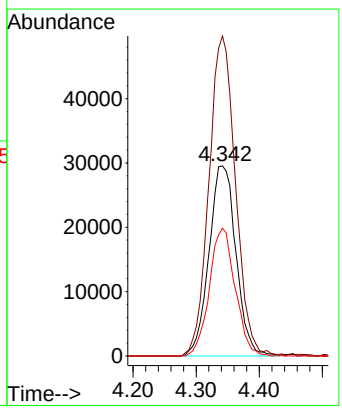


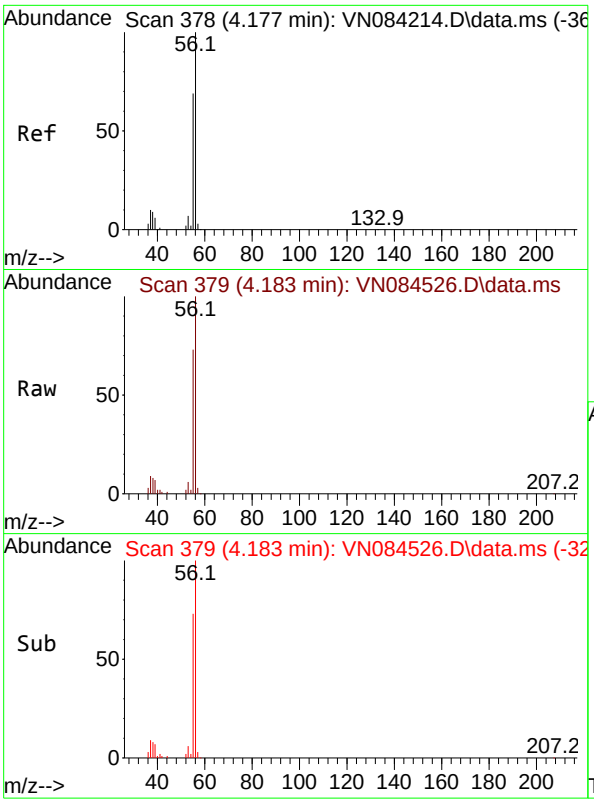


#12
1,1-Dichloroethene
Concen: 46.634 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 96 Resp: 87574

Ion	Ratio	Lower	Upper
96	100		
61	168.3	128.6	192.8
98	67.2	51.7	77.5



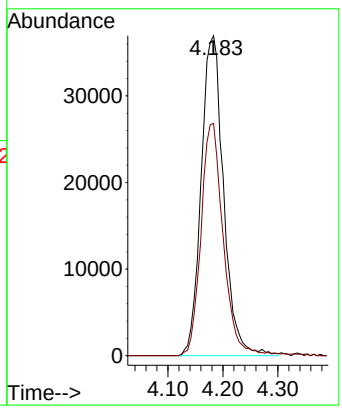


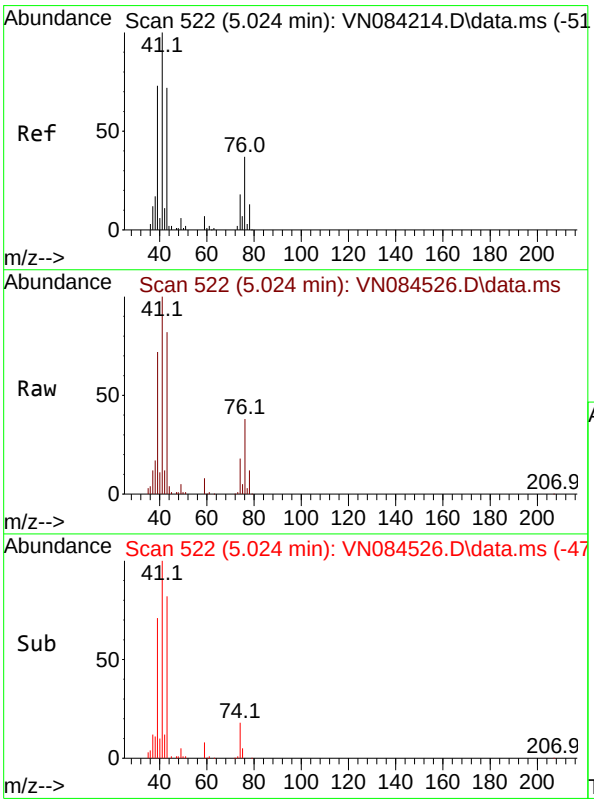
#13
Acrolein
Concen: 222.928 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 104358

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8

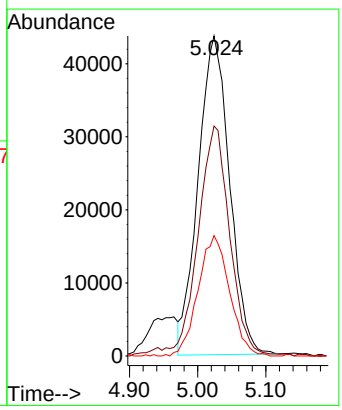


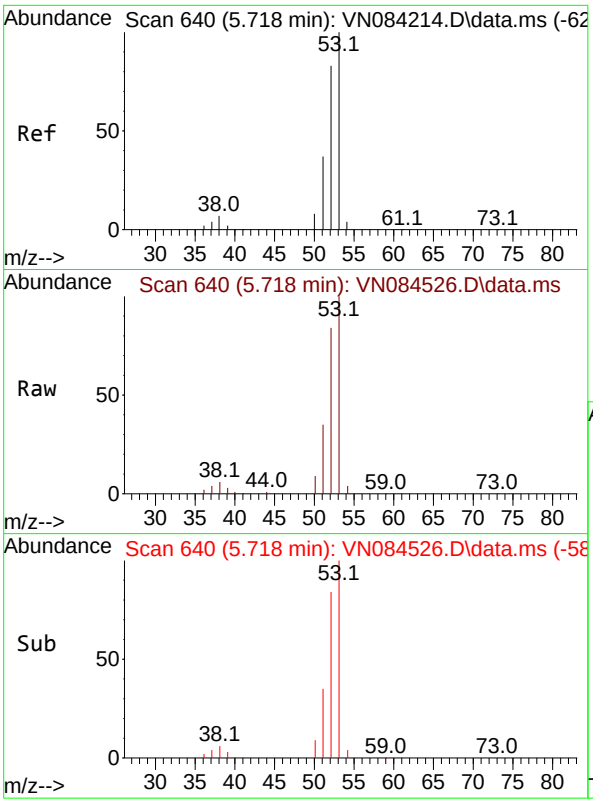


#14
Allyl chloride
Concen: 42.957 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 41 Resp: 140102

Ion	Ratio	Lower	Upper
41	100		
39	71.9	59.0	88.6
76	37.7	29.8	44.6



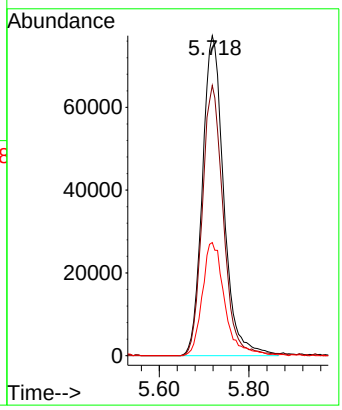


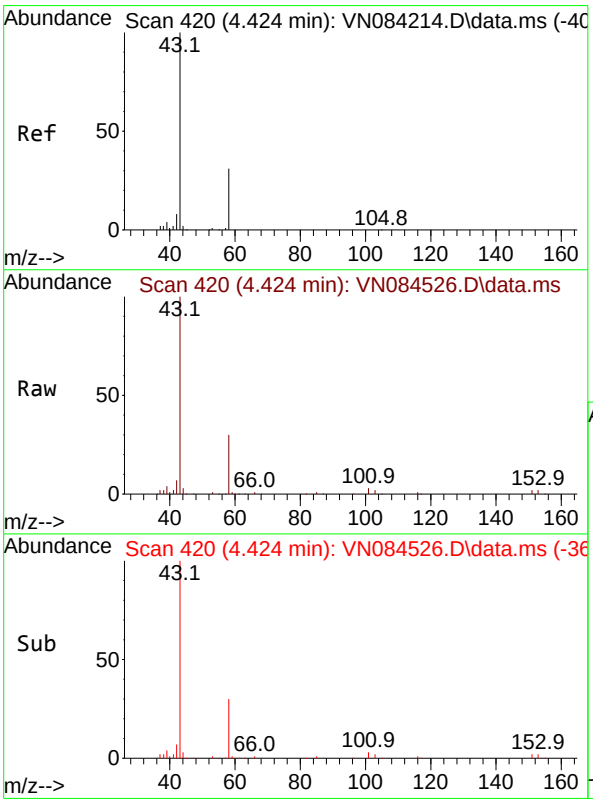
#15
Acrylonitrile
Concen: 248.067 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 255442

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	37.2	28.8	43.2

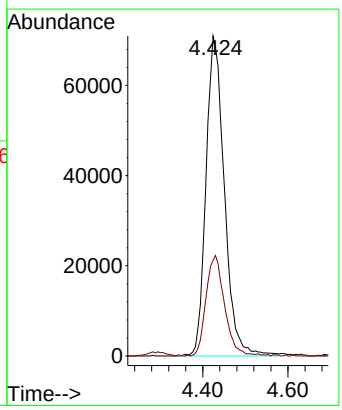


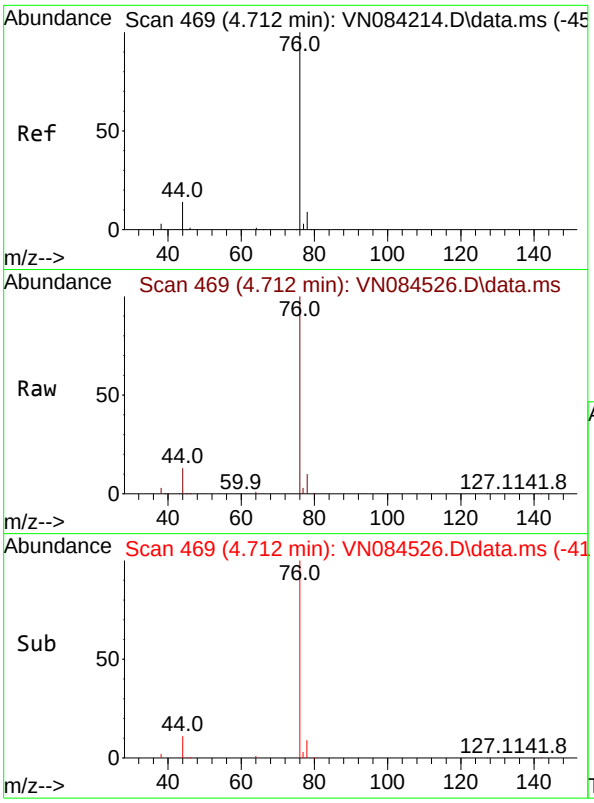


#16
Acetone
Concen: 200.799 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 213314

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.4	36.6



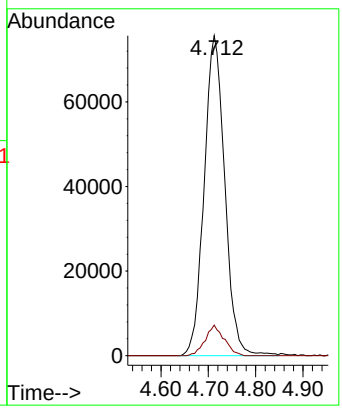


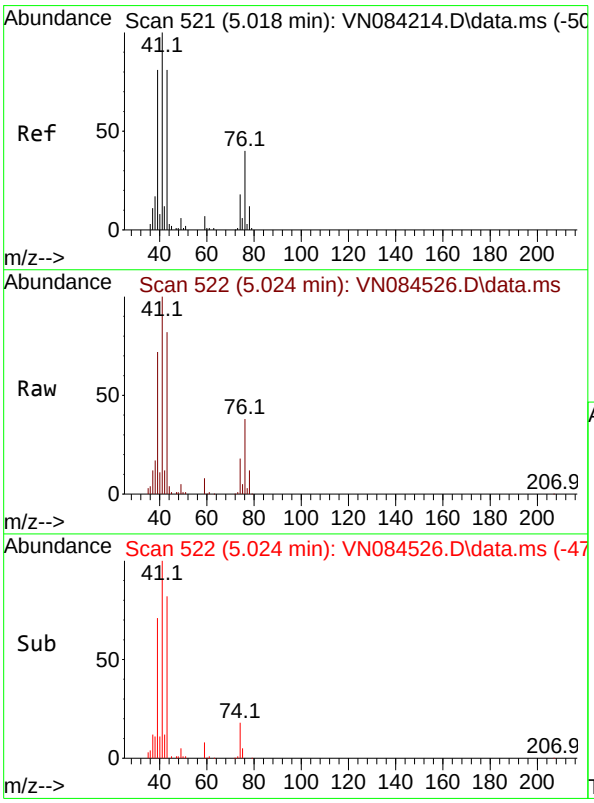
#17
Carbon Disulfide
Concen: 38.442 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 228560

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

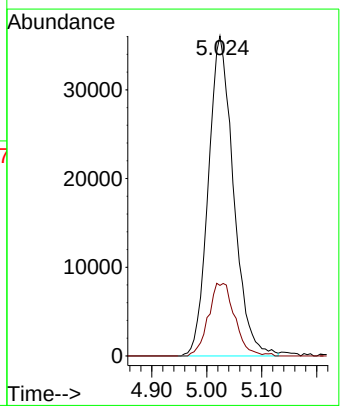


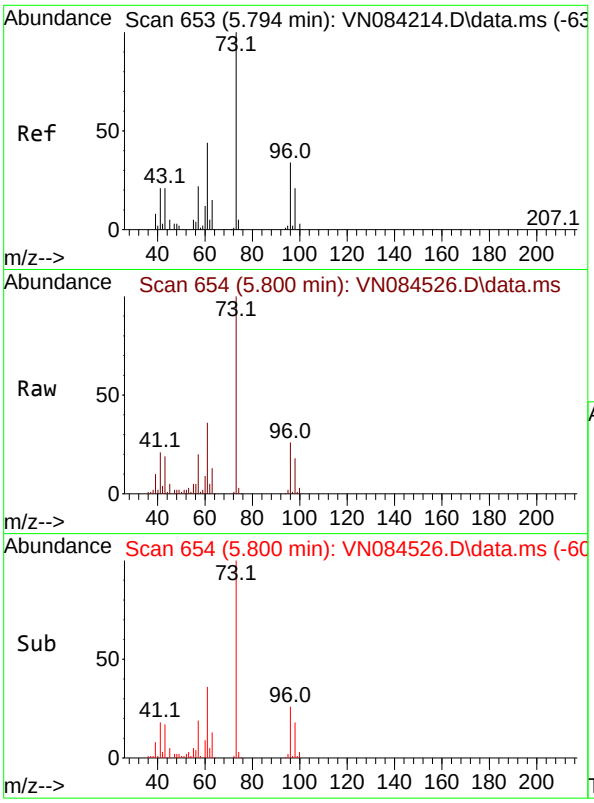


#18
Methyl Acetate
Concen: 49.611 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 114869

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8



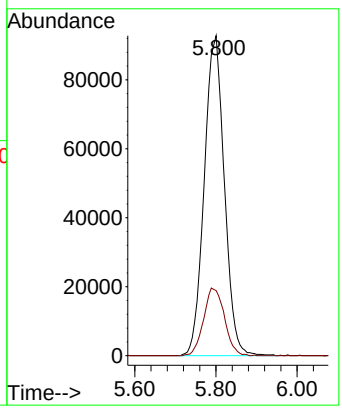


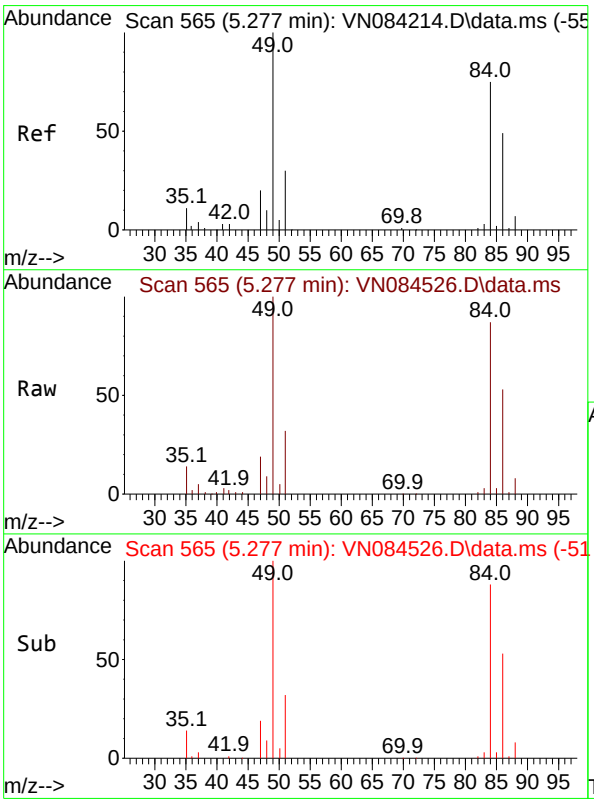
#19
Methyl tert-butyl Ether
Concen: 50.335 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 319035

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

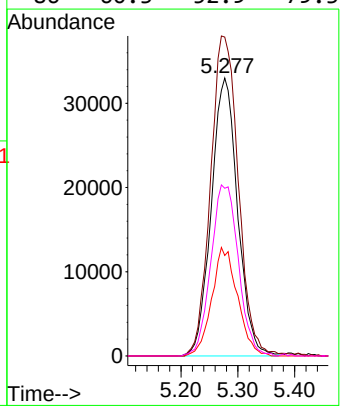


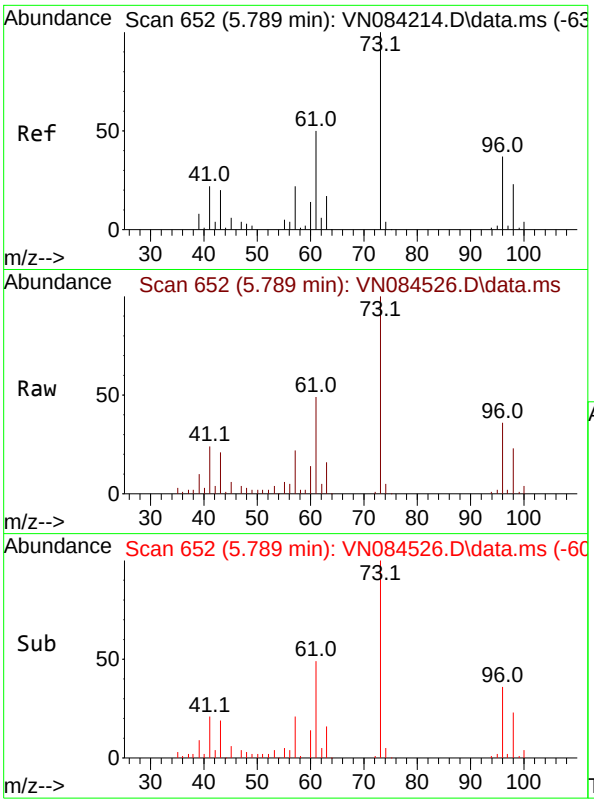


#20
Methylene Chloride
Concen: 49.288 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 84 Resp: 106437

Ion	Ratio	Lower	Upper
84	100		
49	114.7	107.2	160.8
51	36.2	31.8	47.8
86	60.3	52.9	79.3



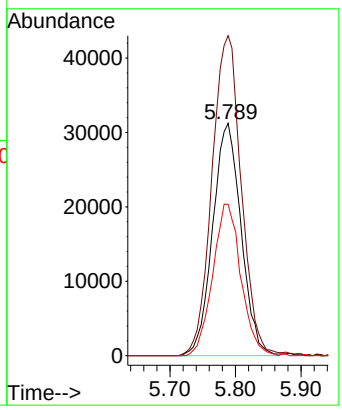


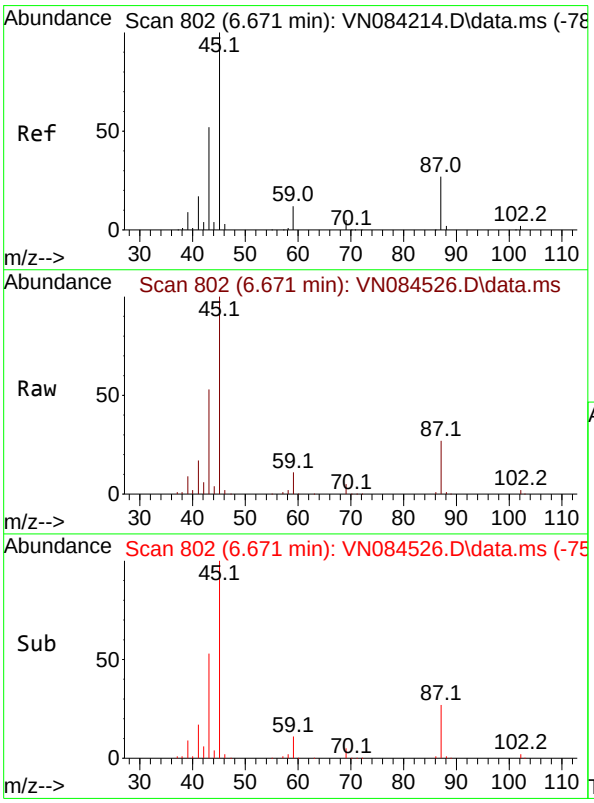
#21
trans-1,2-Dichloroethene
Concen: 47.709 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 93864

Ion	Ratio	Lower	Upper
96	100		
61	137.8	108.4	162.6
98	65.2	49.8	74.8

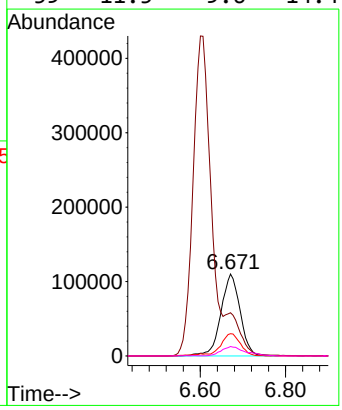


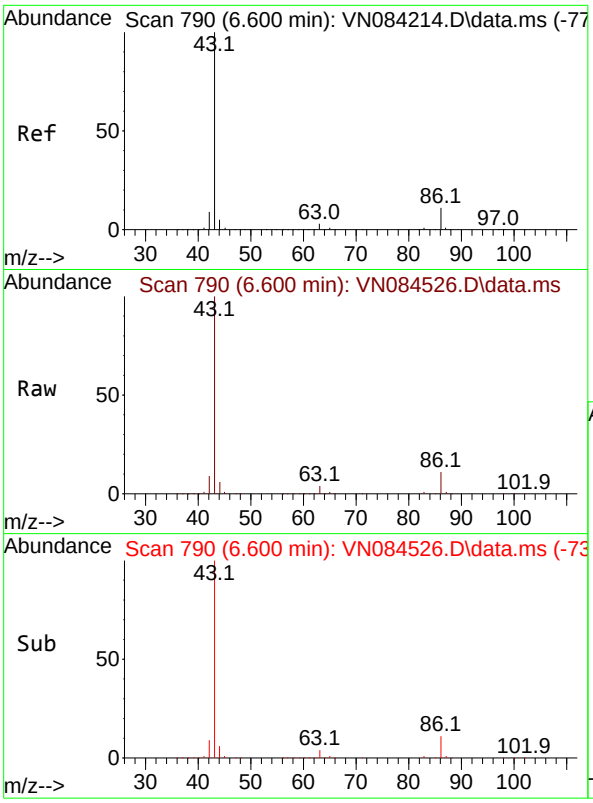


#22
Diisopropyl ether
Concen: 51.132 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 45 Resp: 344942

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.3	63.5
87	27.2	21.8	32.6
59	11.5	9.6	14.4



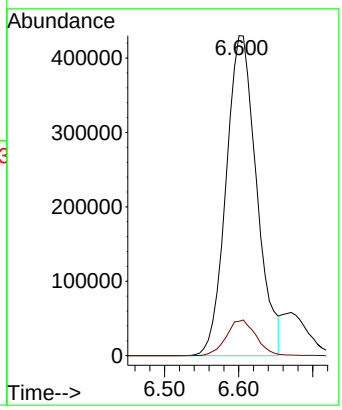


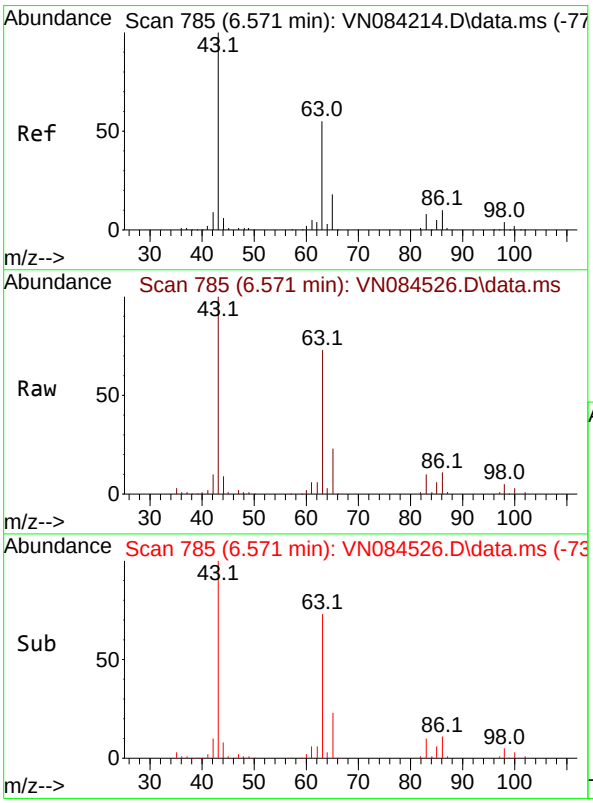
#23
Vinyl Acetate
Concen: 245.982 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1230781

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

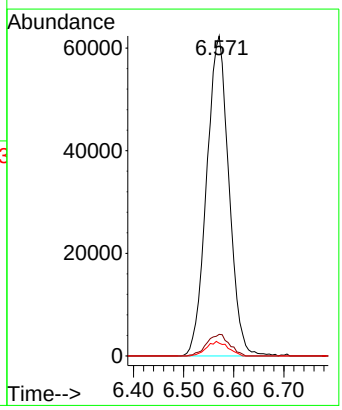


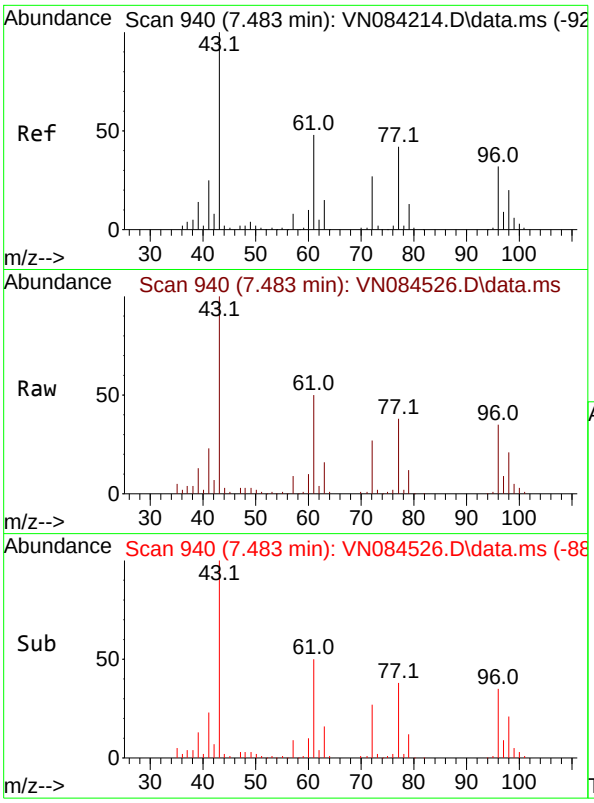


#24
1,1-Dichloroethane
Concen: 50.989 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 63 Resp: 192358

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.0	2.0	5.8



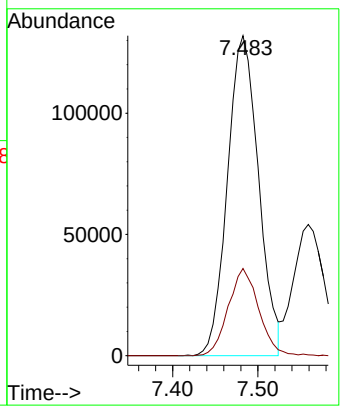


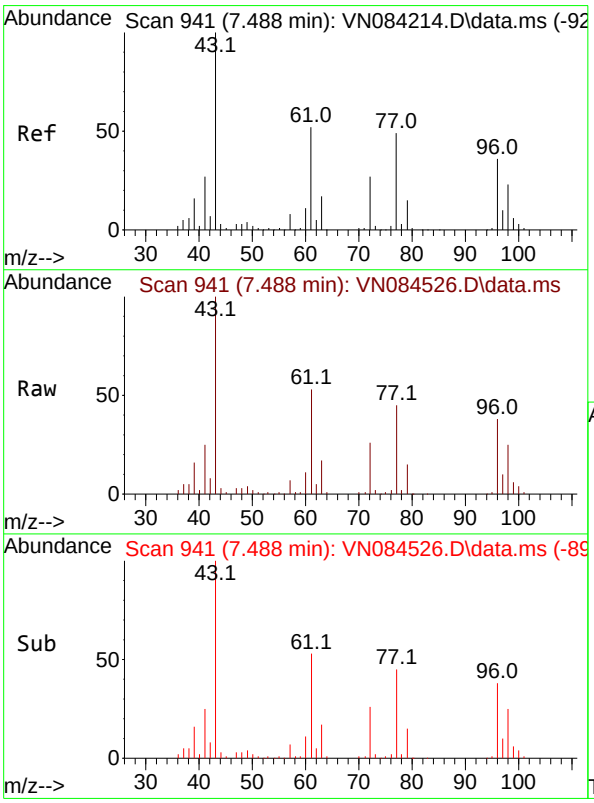
#25
2-Butanone
Concen: 231.376 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 334778

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.2

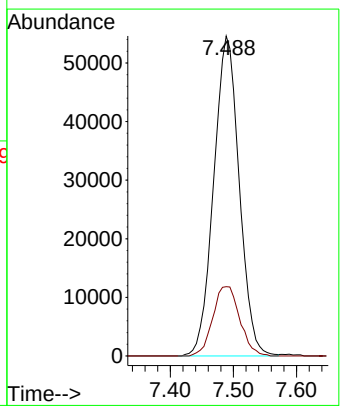


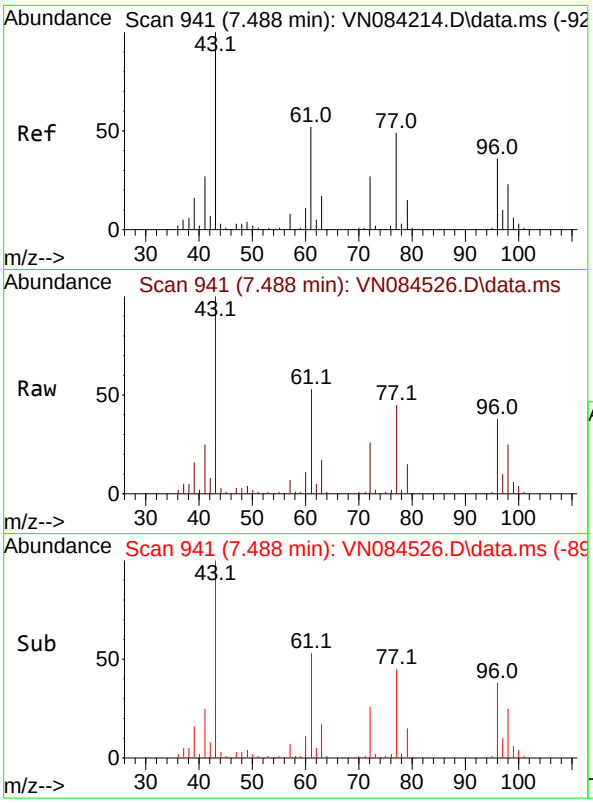


#26
2,2-Dichloropropane
Concen: 45.038 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 77 Resp: 153197

Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.8	32.3



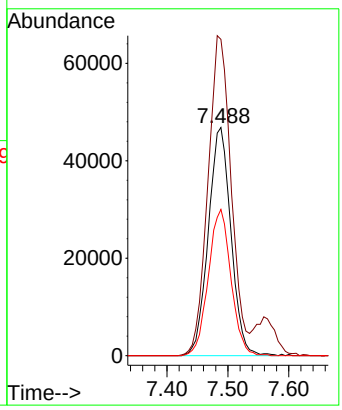


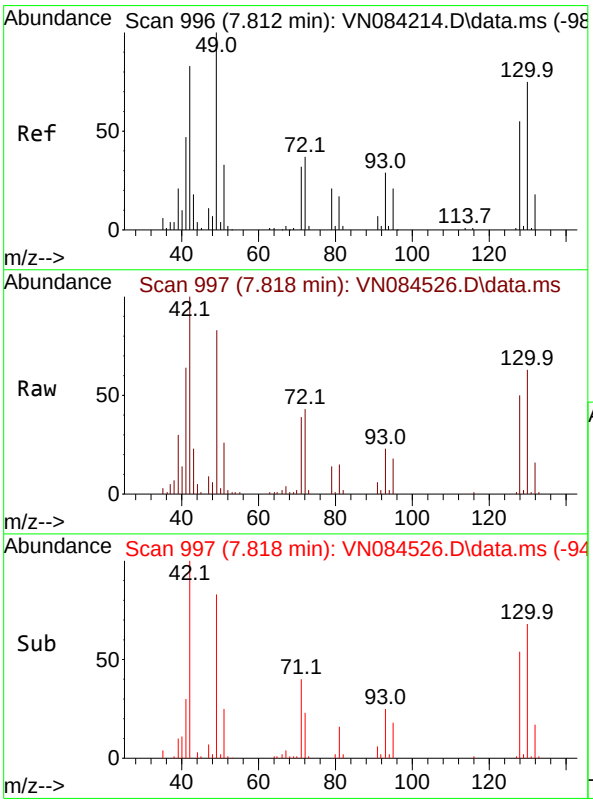
#27
cis-1,2-Dichloroethene
Concen: 51.007 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 121267

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	301.8
98	63.9	0.0	128.2

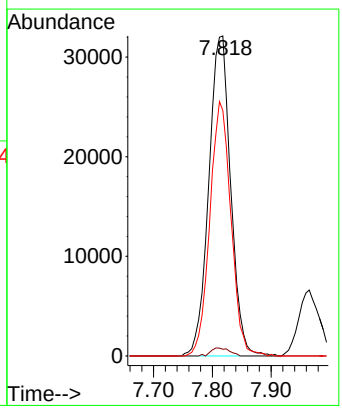


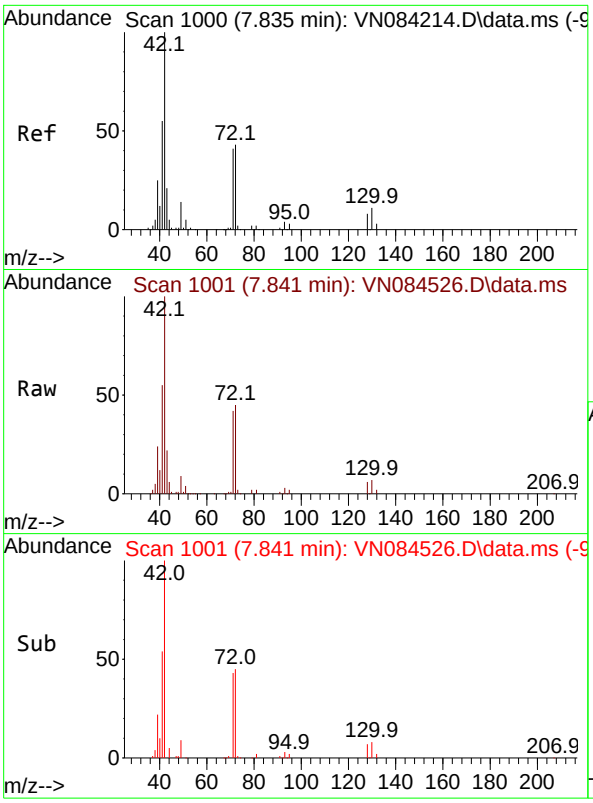


#28
Bromochloromethane
Concen: 49.424 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 49 Resp: 83192

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	76.6	58.0	87.0



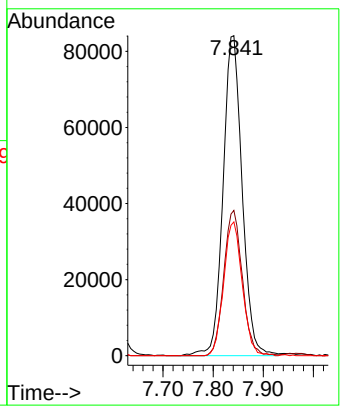


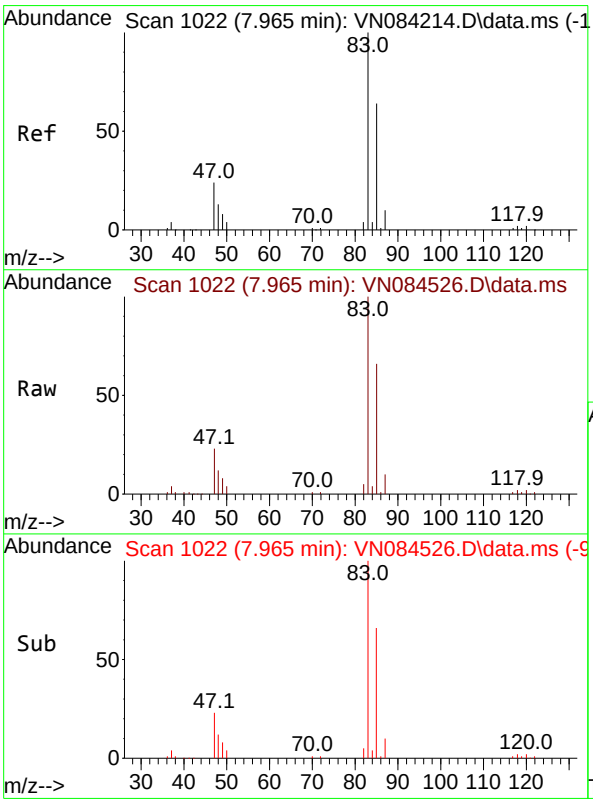
#29
Tetrahydrofuran
Concen: 248.934 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 222275

Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.6	51.8
71	40.9	32.2	48.4

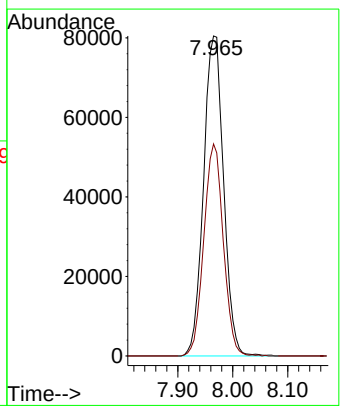


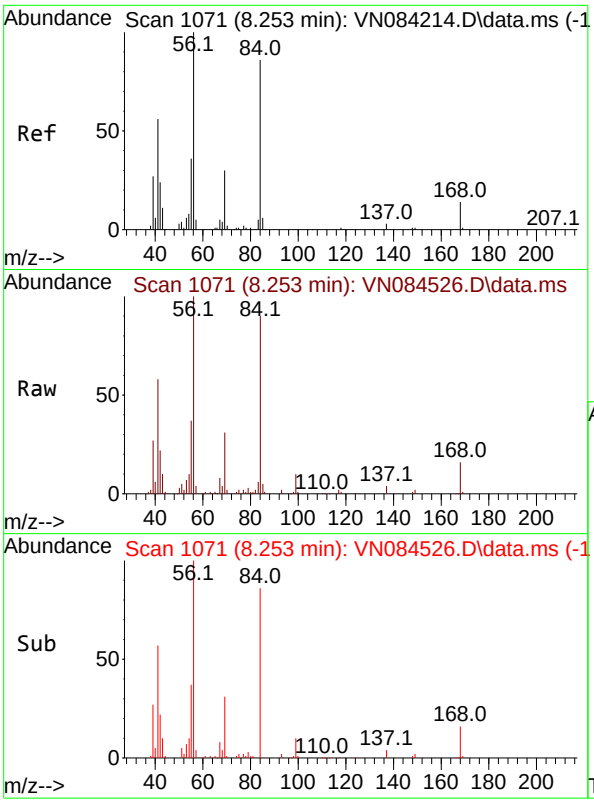


#30
Chloroform
Concen: 52.045 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 83 Resp: 203952

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.0	76.4



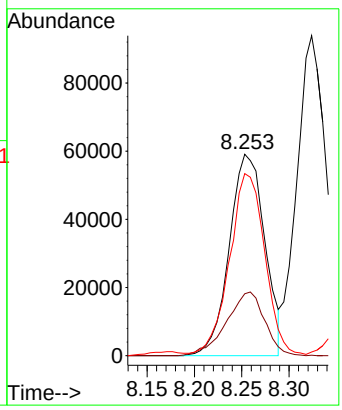


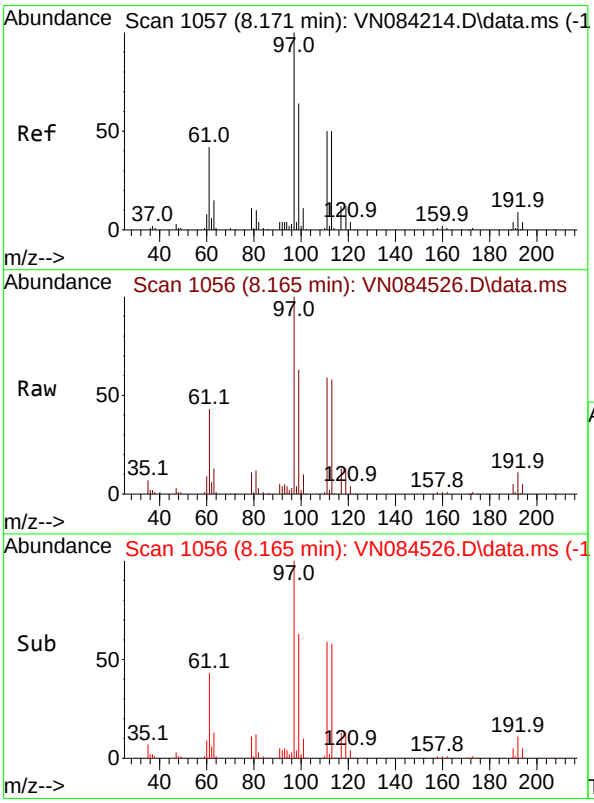
#31
Cyclohexane
Concen: 42.106 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 154232

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	88.9	68.8	103.2

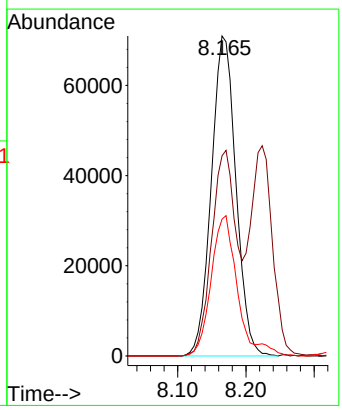


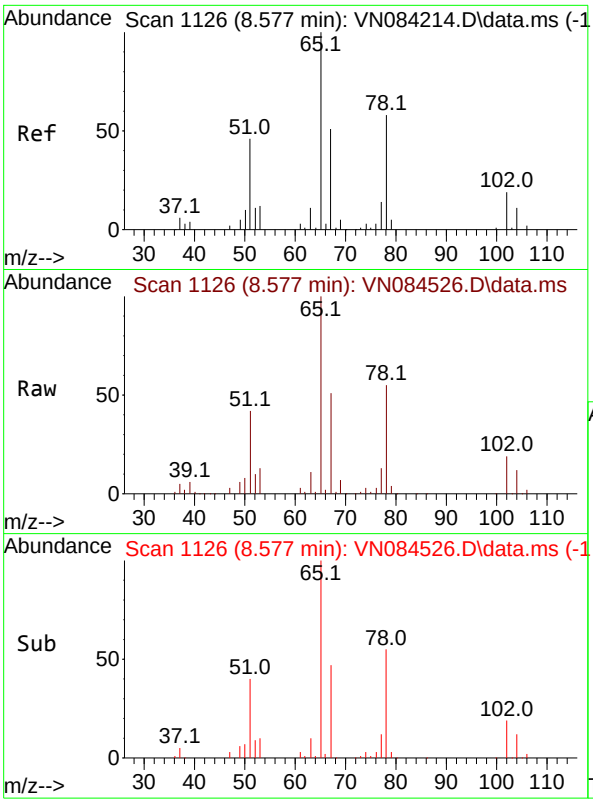


#32
1,1,1-Trichloroethane
Concen: 50.640 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 97 Resp: 178226

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	46.9	37.5	56.3



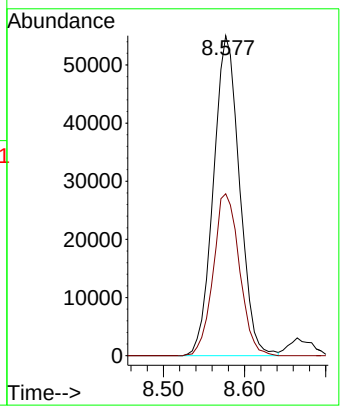


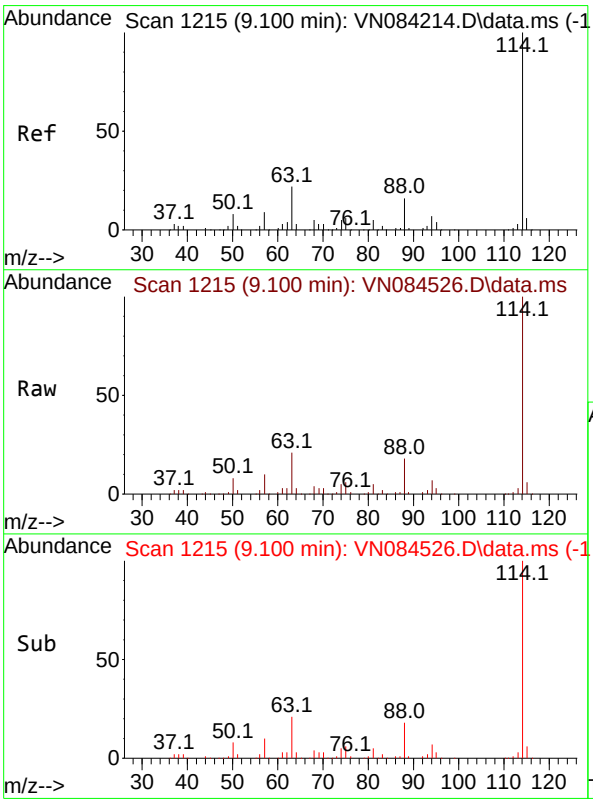
#33
1,2-Dichloroethane-d4
Concen: 49.644 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 122767

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0

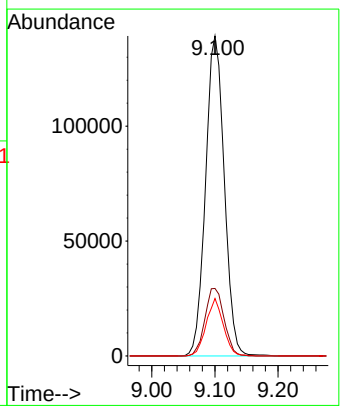


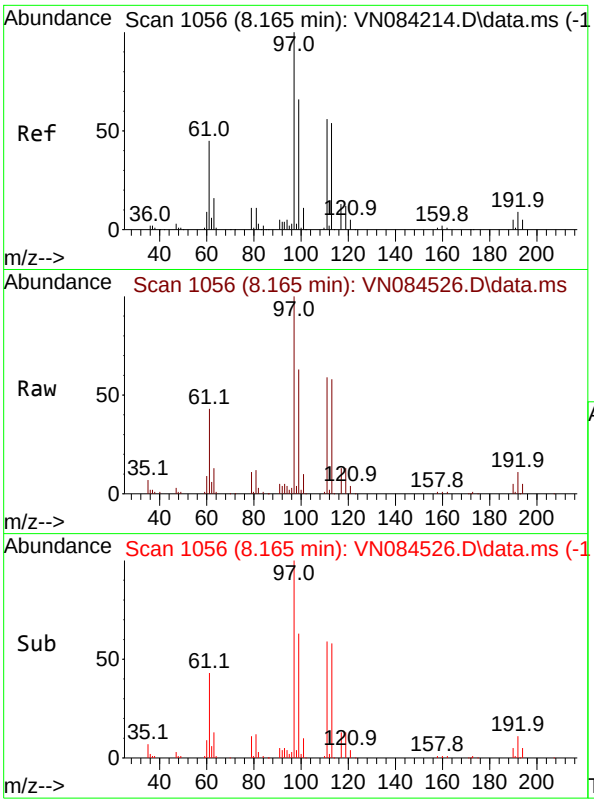


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:114 Resp: 286652

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	17.9	0.0	31.6



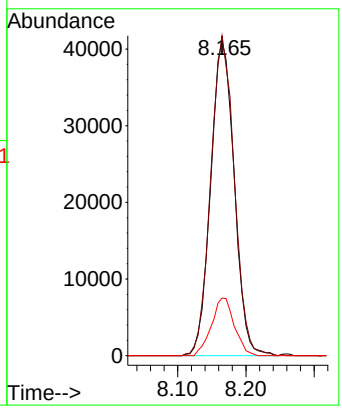


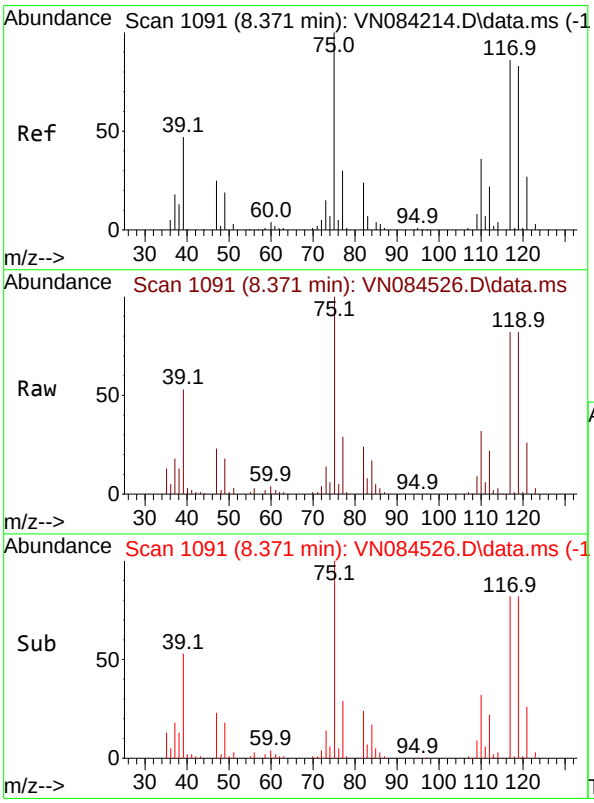
#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 98679

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.3	124.9
192	17.8	13.5	20.3

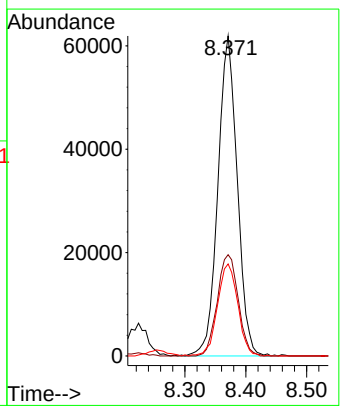


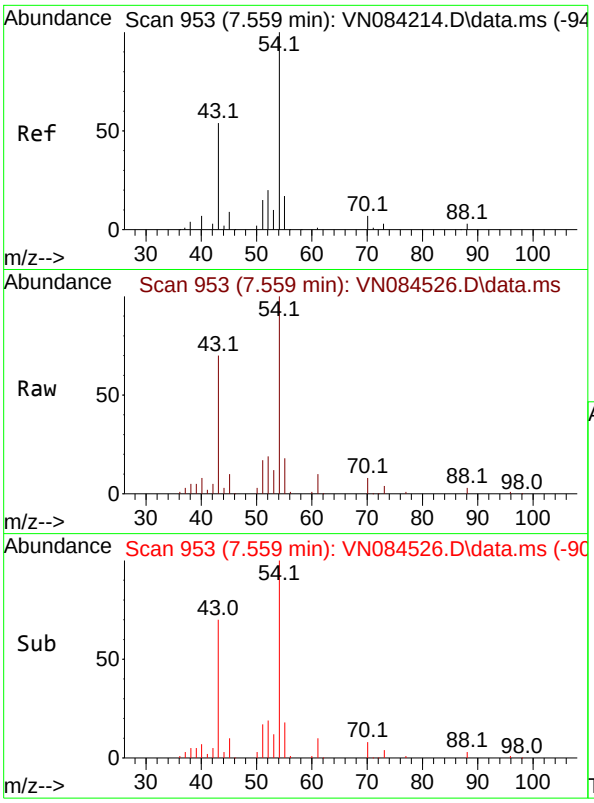


#36
1,1-Dichloropropene
Concen: 49.831 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 136786

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	30.2	24.7	37.1



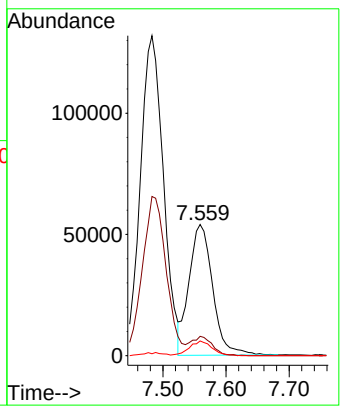


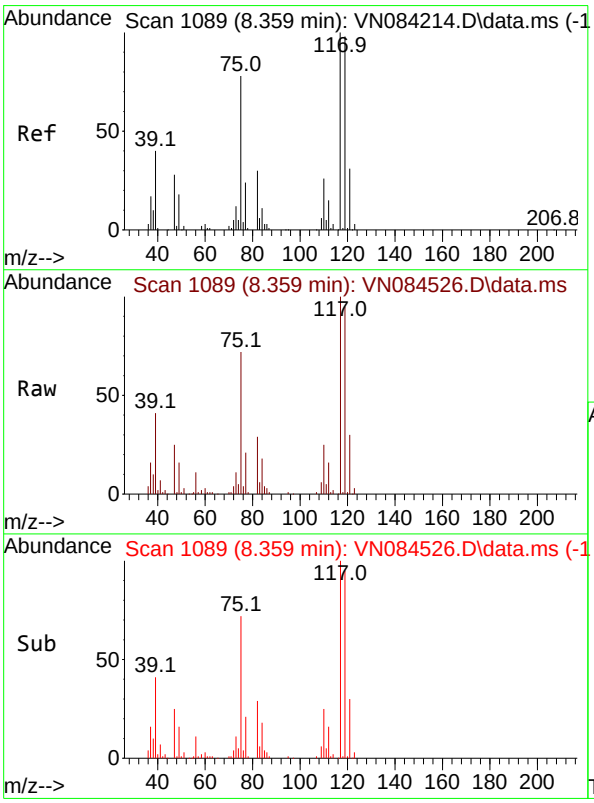
#37
Ethyl Acetate
Concen: 49.906 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 140540

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.8	13.2

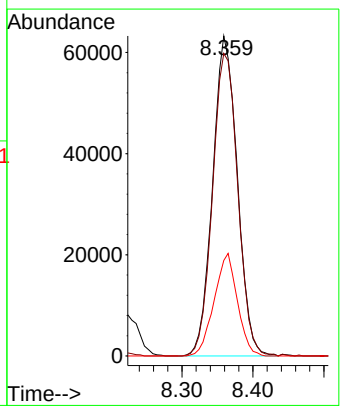


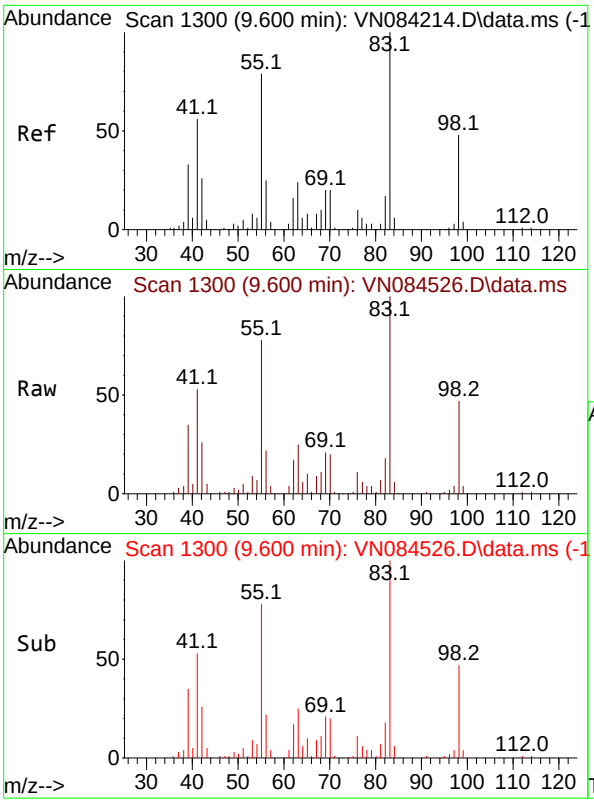


#38
Carbon Tetrachloride
Concen: 50.544 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:117 Resp: 152192

Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.7	118.1
121	29.9	24.4	36.6



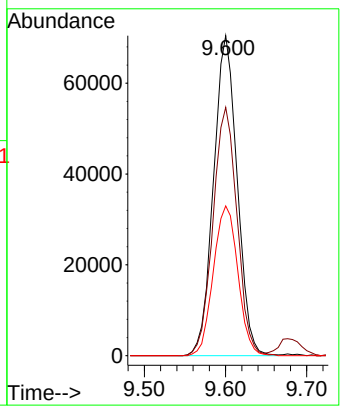


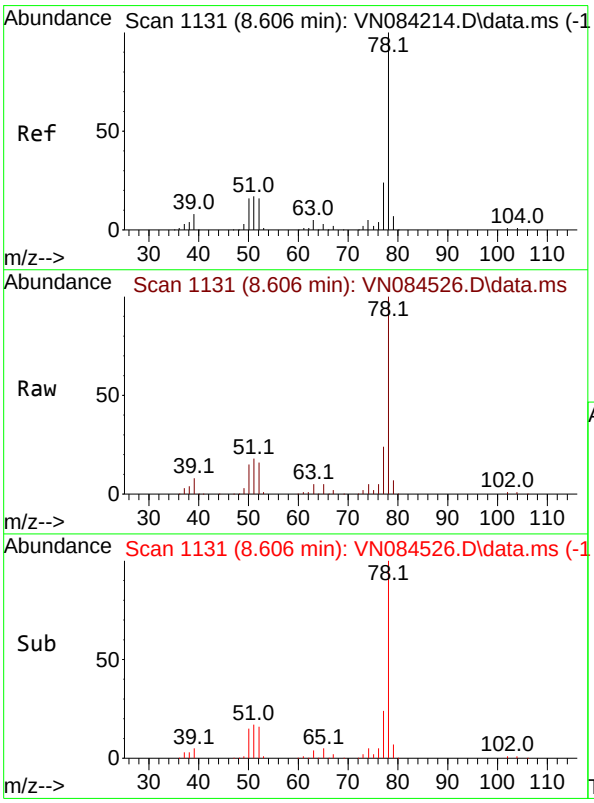
#39
Methylcyclohexane
Concen: 46.735 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 142779

Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.8	94.2
98	46.8	38.8	58.2

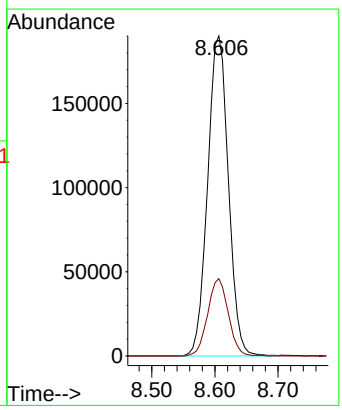


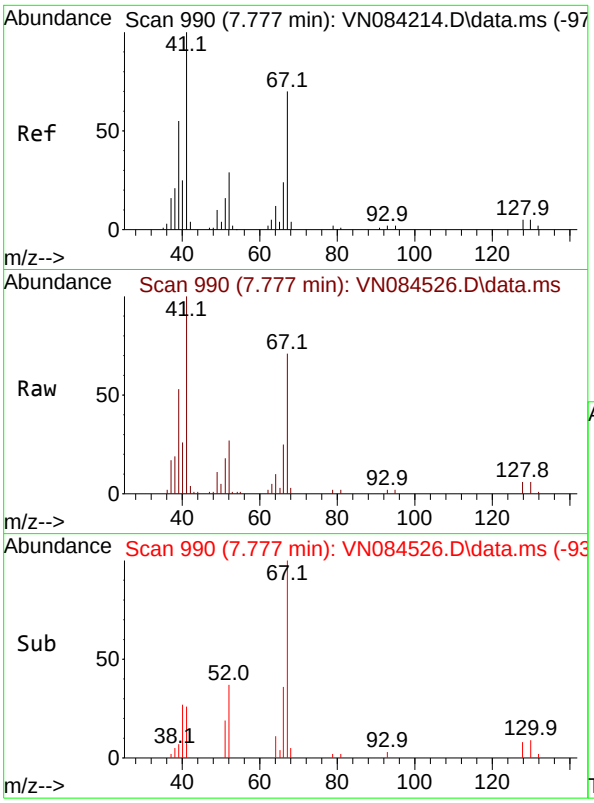


#40
Benzene
Concen: 50.775 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 78 Resp: 434246

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7



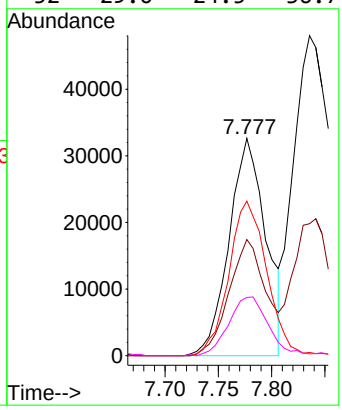


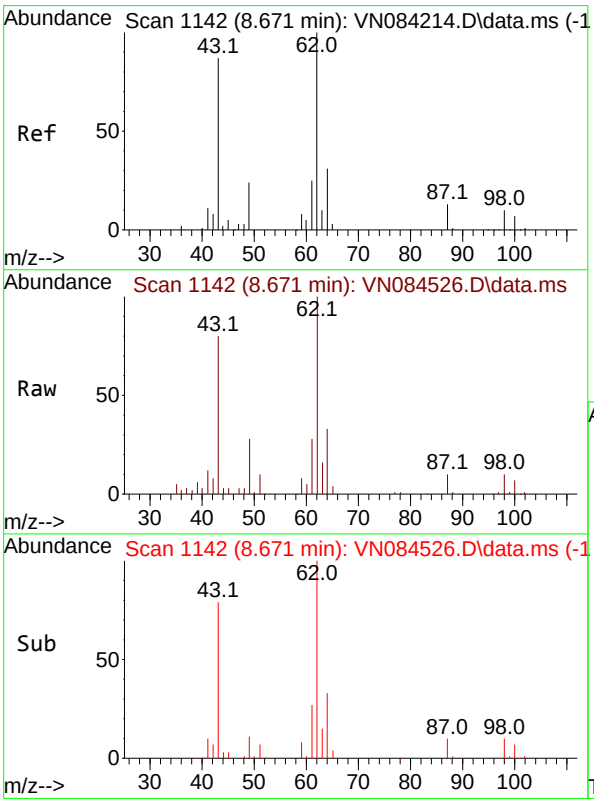
#41
Methacrylonitrile
Concen: 51.145 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 78193

Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.3	64.9
67	74.0	56.1	84.1
52	29.0	24.5	36.7

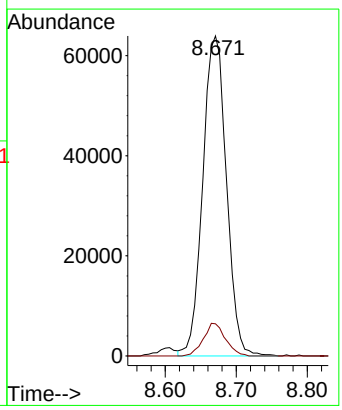


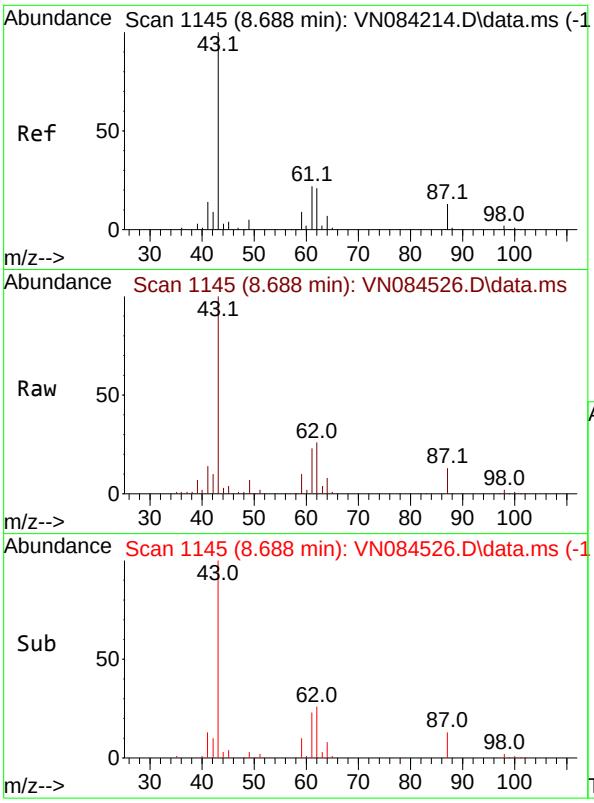


#42
1,2-Dichloroethane
Concen: 51.069 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 62 Resp: 148069

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



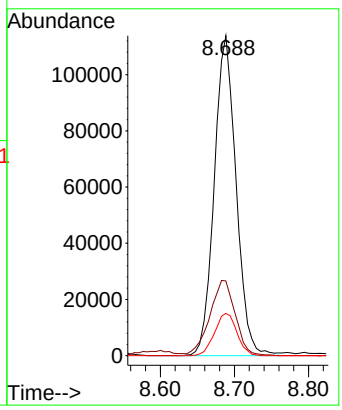


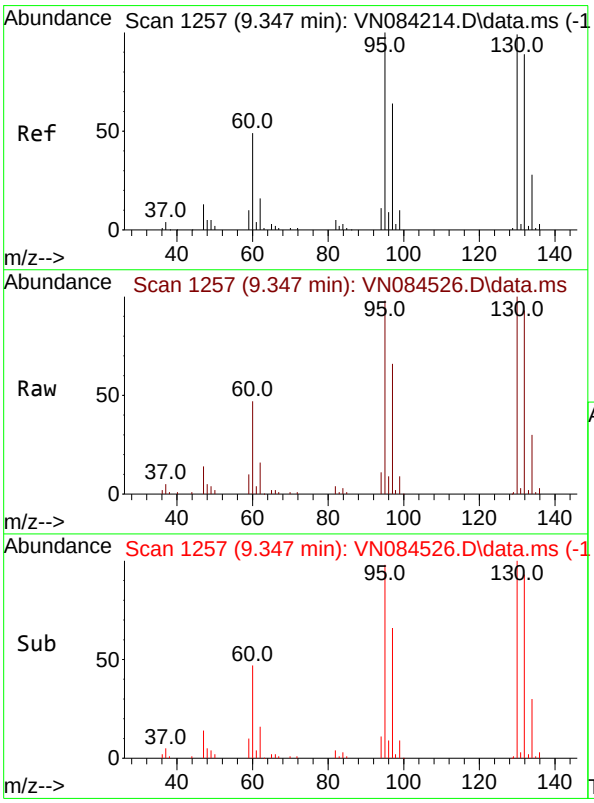
#43
Isopropyl Acetate
Concen: 42.271 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 233167

Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.4	30.6
87	13.5	10.3	15.5

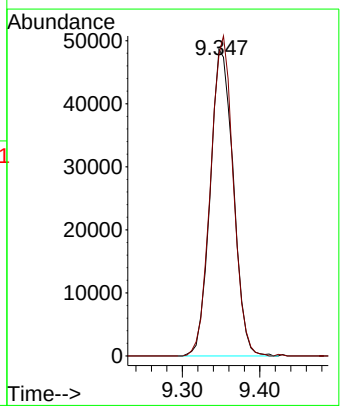


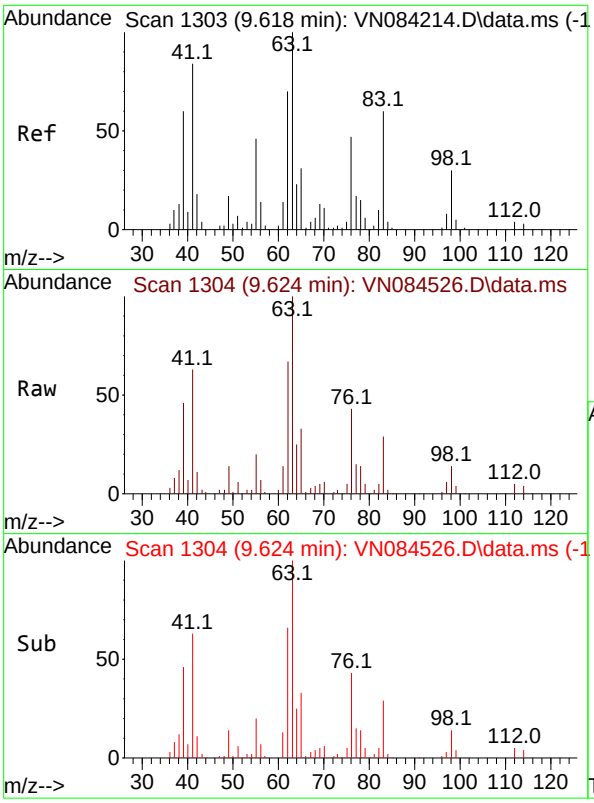


#44
Trichloroethene
Concen: 50.453 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:130 Resp: 100781

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	203.0



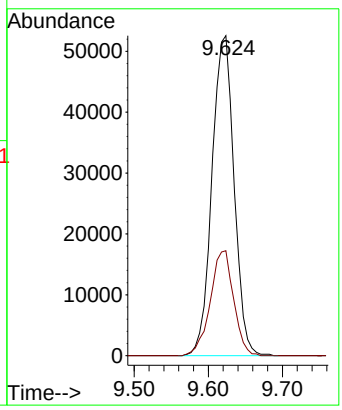


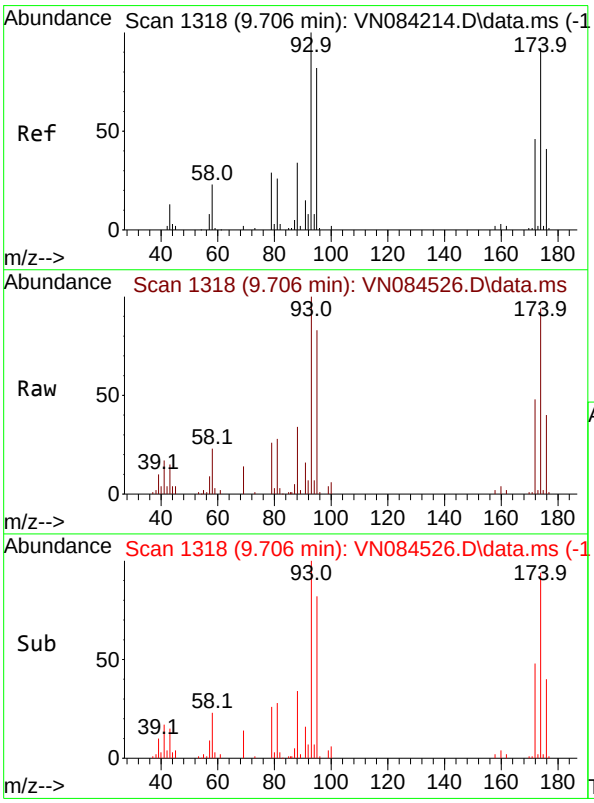
#45
1,2-Dichloropropane
Concen: 53.889 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 109028

Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.6	37.0

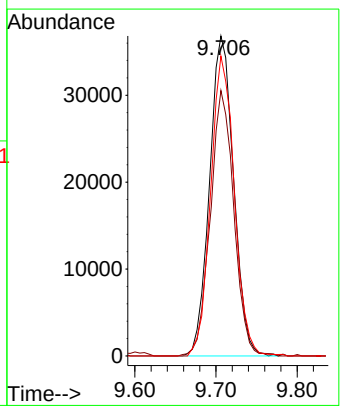


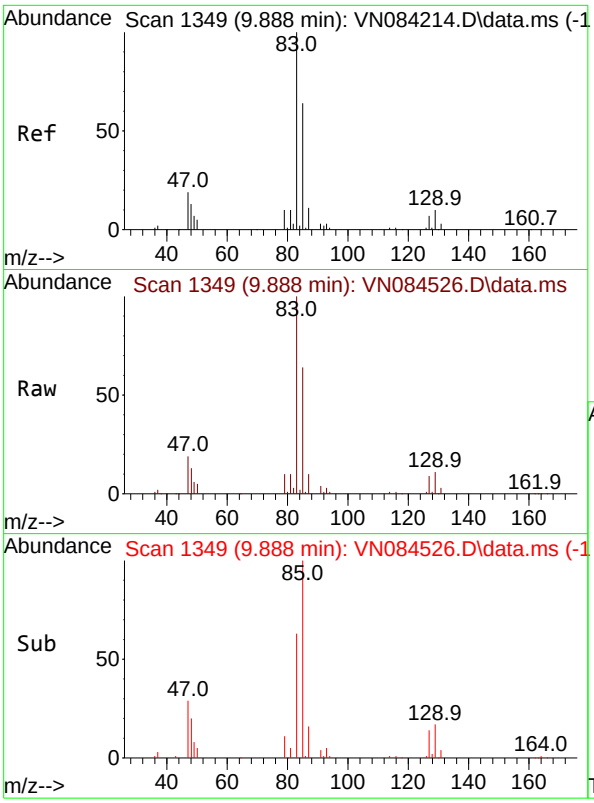


#46
Dibromomethane
Concen: 55.510 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 93 Resp: 75789

Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.0	97.4
174	92.3	71.8	107.8



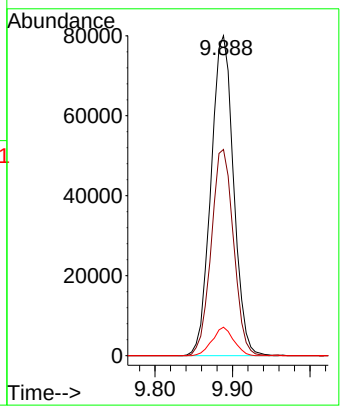


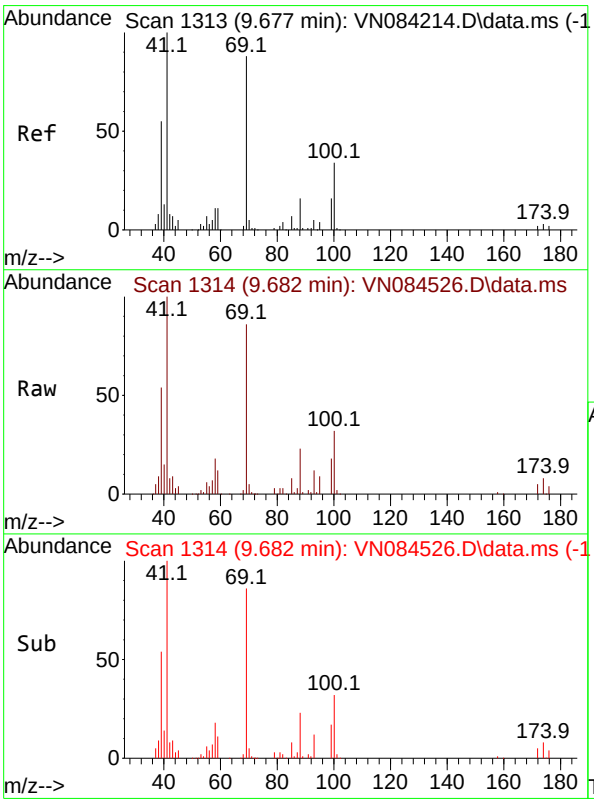
#47
Bromodichloromethane
Concen: 53.371 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 161891

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3
127	8.9	5.7	8.5#

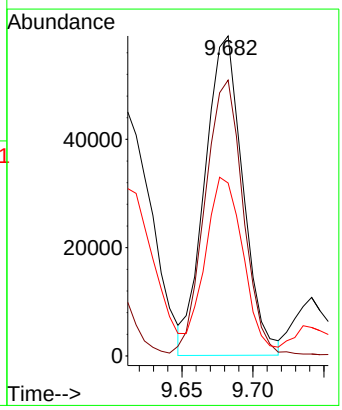


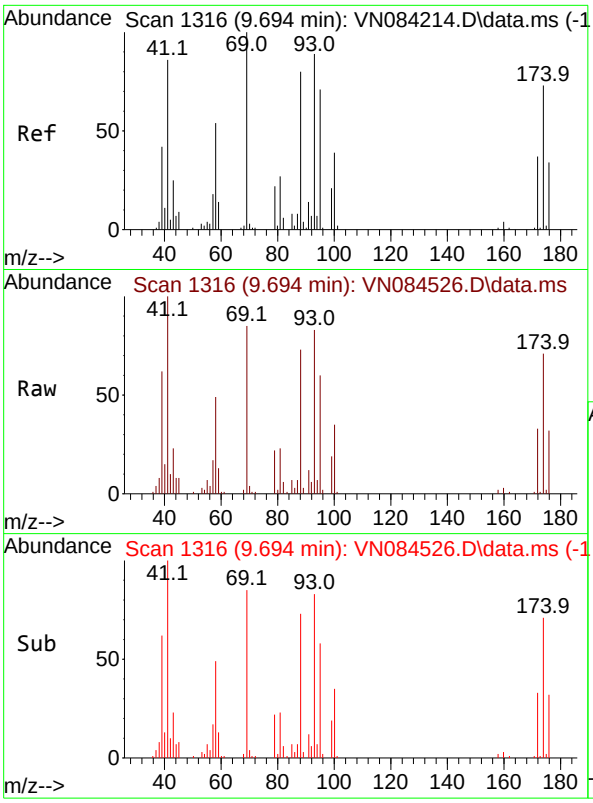


#48
Methyl methacrylate
Concen: 50.076 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 41 Resp: 109954

Ion	Ratio	Lower	Upper
41	100		
69	87.5	67.1	100.7
39	56.0	45.8	68.6



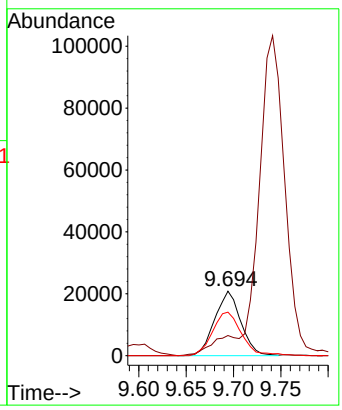


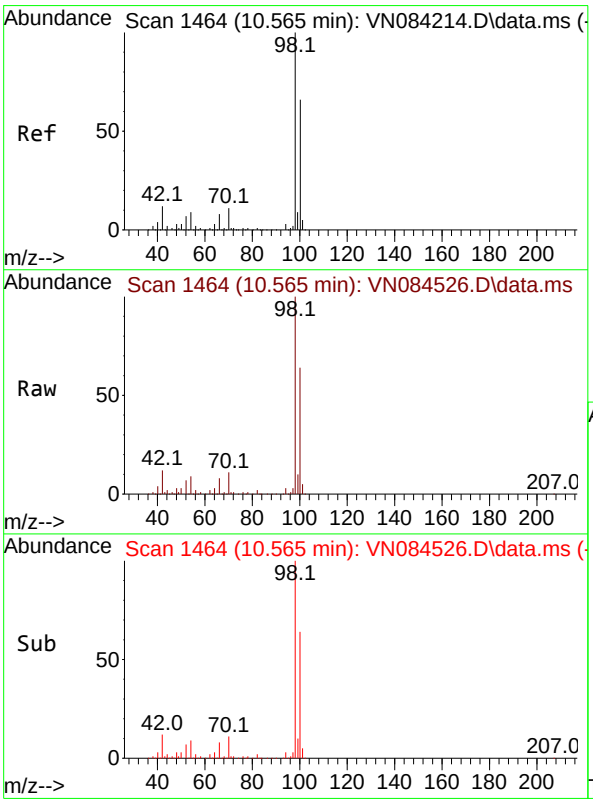
#49
1,4-Dioxane
Concen: 986.815 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 39891

Ion	Ratio	Lower	Upper
88	100		
43	33.6	25.3	37.9
58	75.5	56.4	84.6

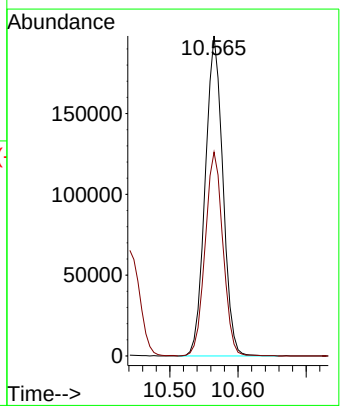


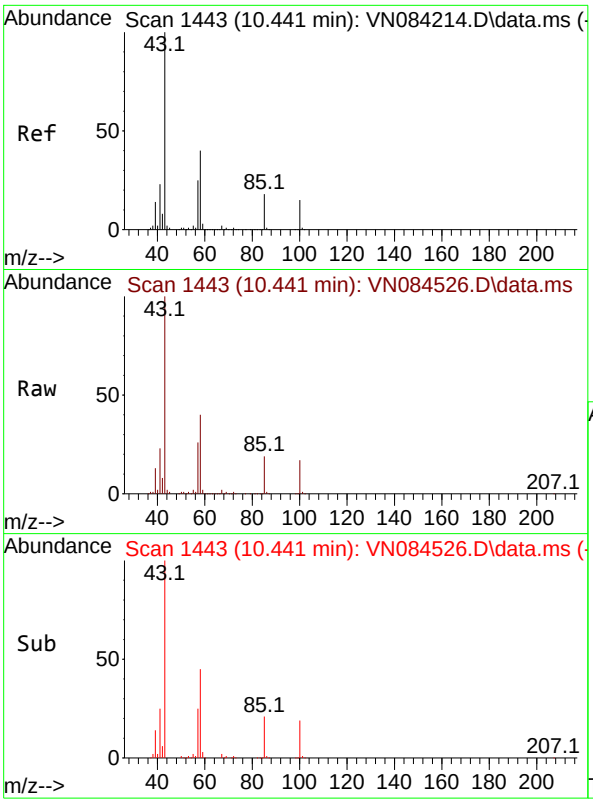


#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 98 Resp: 356900

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1



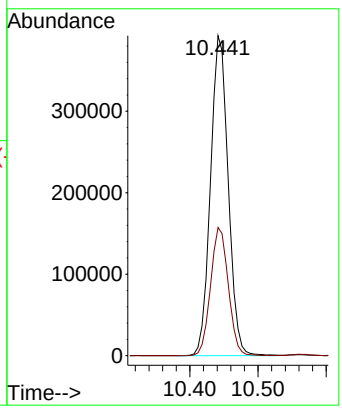


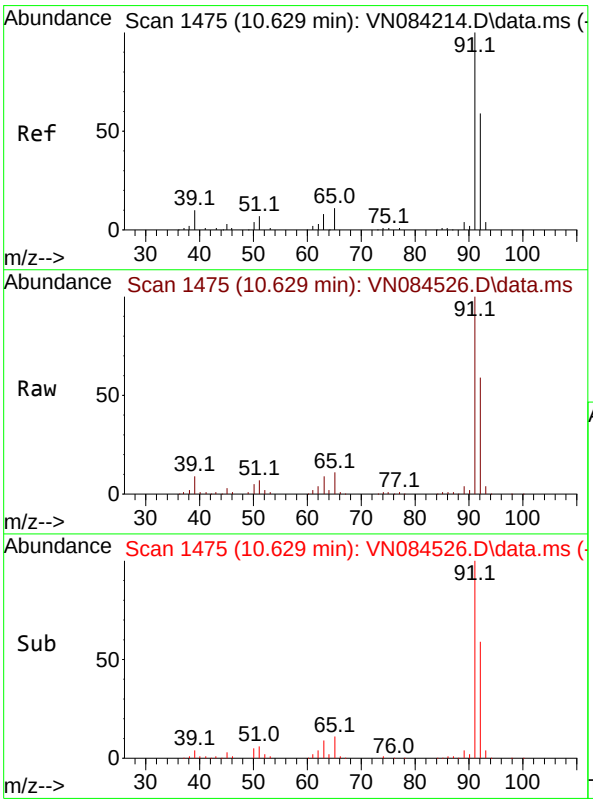
#51
4-Methyl-2-Pentanone
Concen: 264.775 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 709816

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

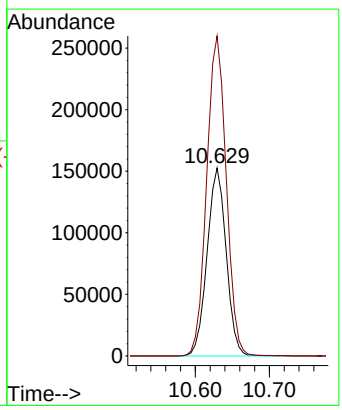


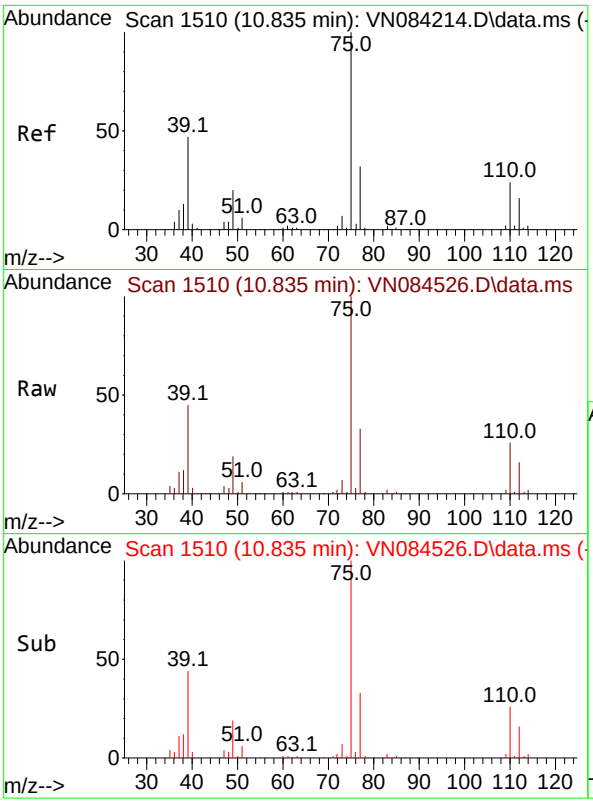


#52
Toluene
Concen: 52.357 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 92 Resp: 273057

Ion	Ratio	Lower	Upper
92	100		
91	174.5	137.3	205.9



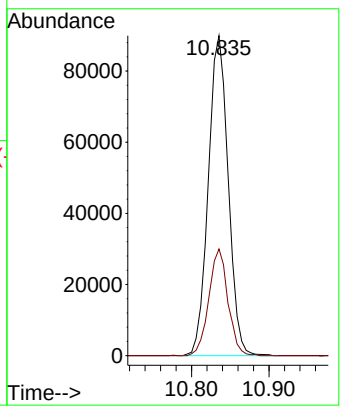


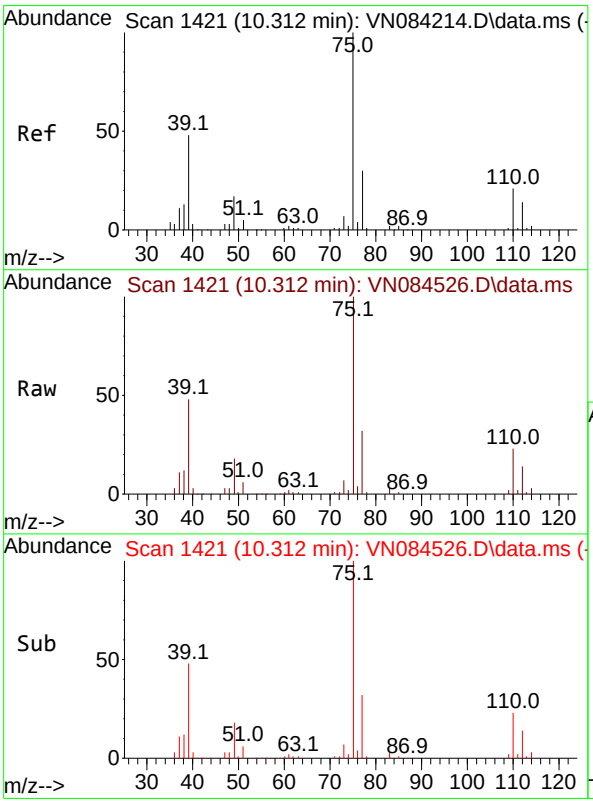
#53
t-1,3-Dichloropropene
Concen: 52.078 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 161025

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.0

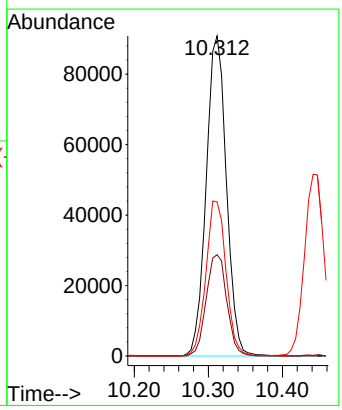


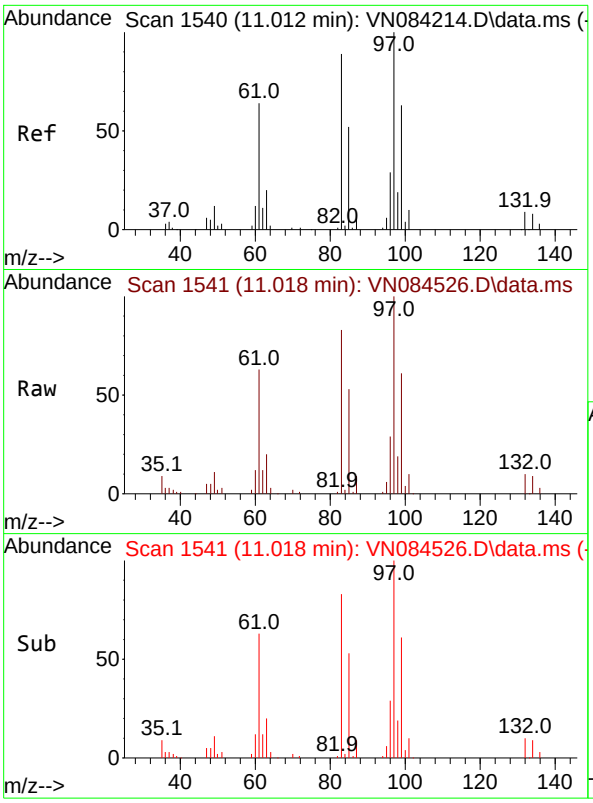


#54
cis-1,3-Dichloropropene
Concen: 51.711 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 171984

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.2	36.2
39	48.1	38.7	58.1



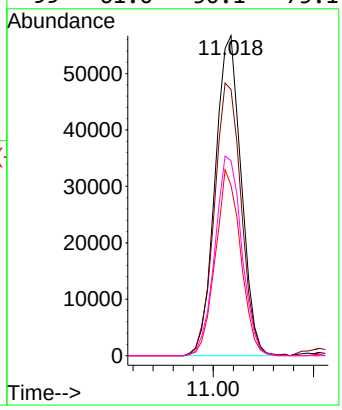


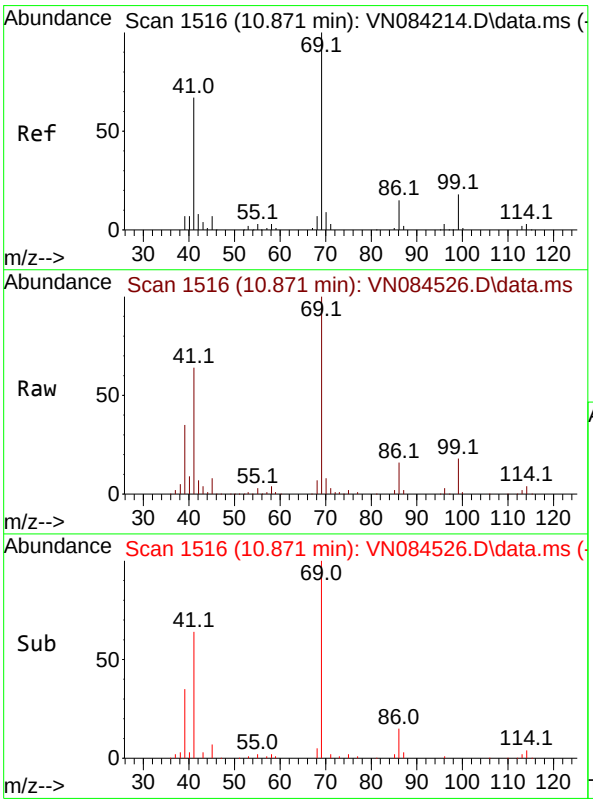
#55
1,1,2-Trichloroethane
Concen: 54.831 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 102513

Ion	Ratio	Lower	Upper
97	100		
83	83.2	71.0	106.4
85	53.2	41.7	62.5
99	61.0	50.1	75.1

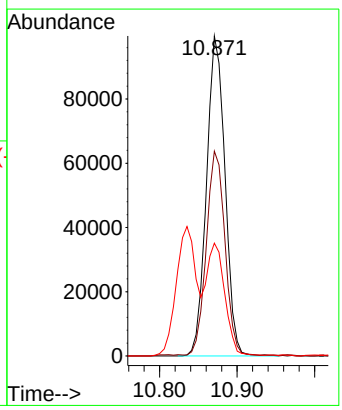


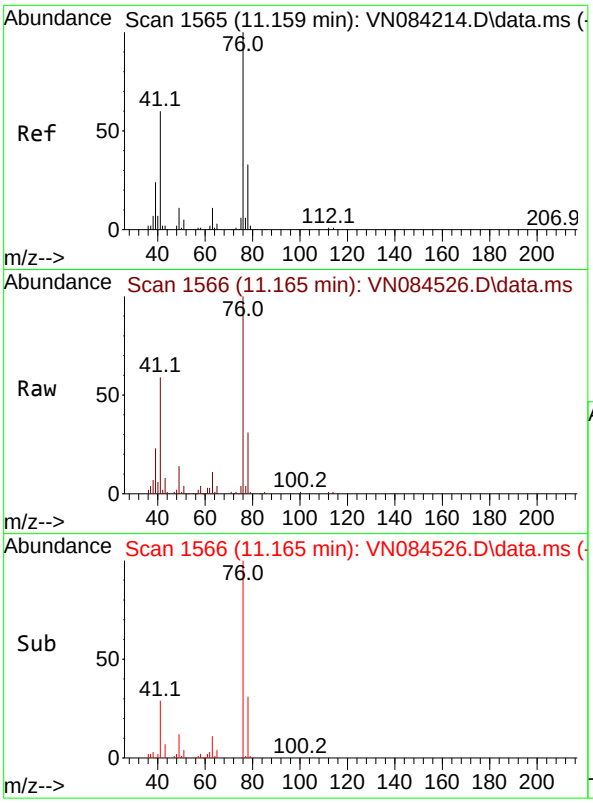


#56
Ethyl methacrylate
Concen: 53.712 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 69 Resp: 165239

Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	34.8	28.8	43.2



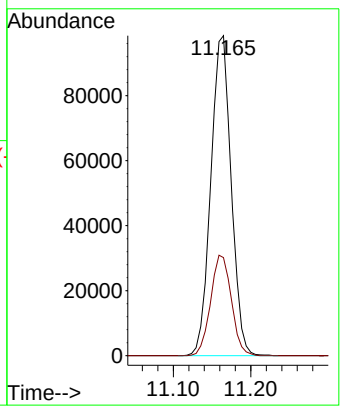


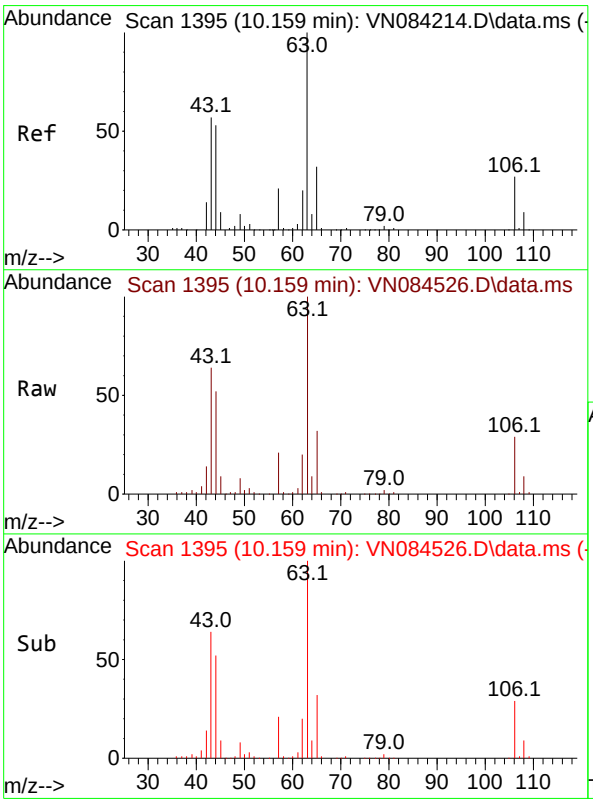
#57
1,3-Dichloropropane
Concen: 53.769 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 179630

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

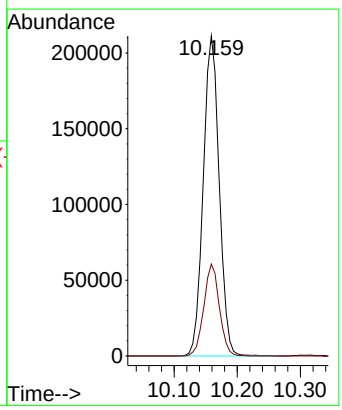


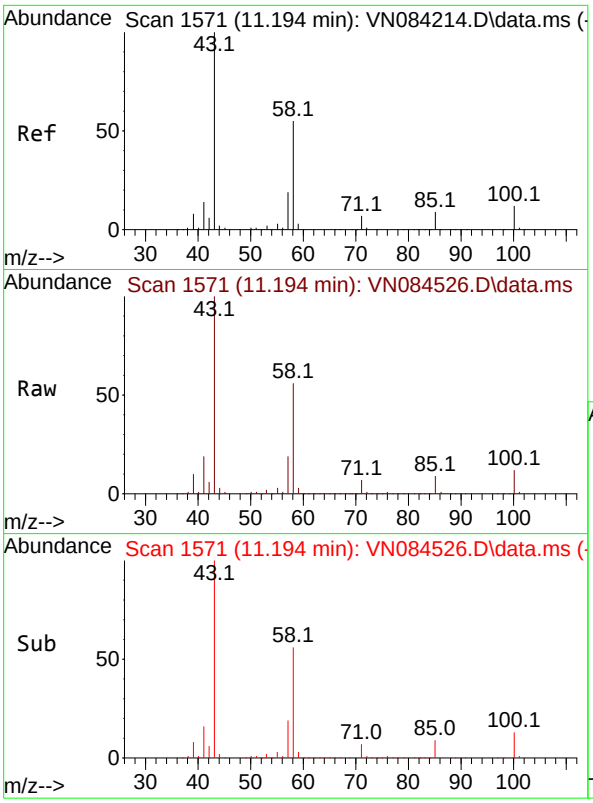


#58
2-Chloroethyl Vinyl ether
Concen: 259.663 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 63 Resp: 370569

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6



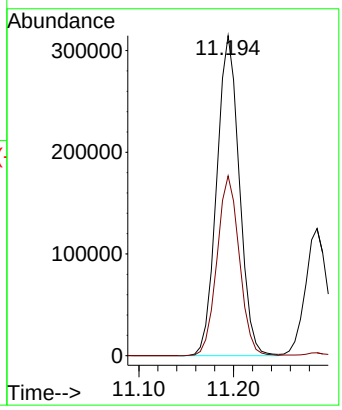


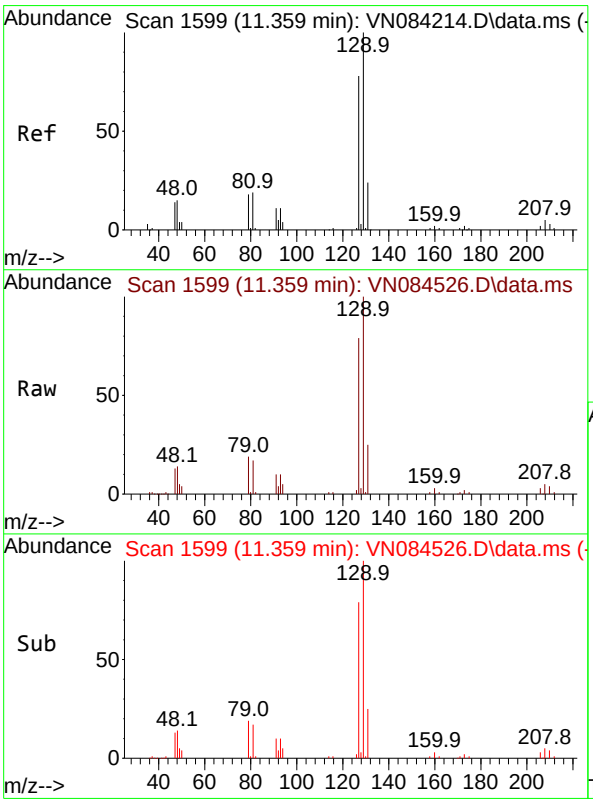
#59
2-Hexanone
Concen: 260.266 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 521492

Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.3	81.8

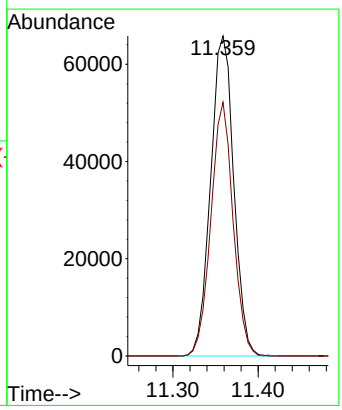


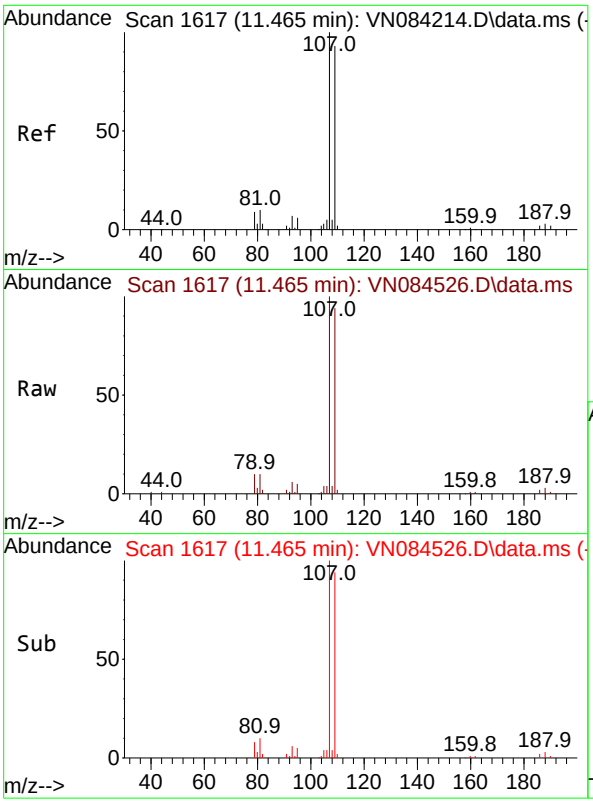


#60
Dibromochloromethane
Concen: 56.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:129 Resp: 124112

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9



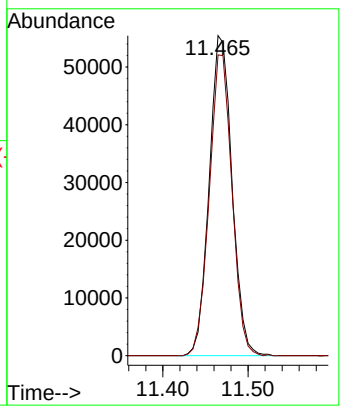


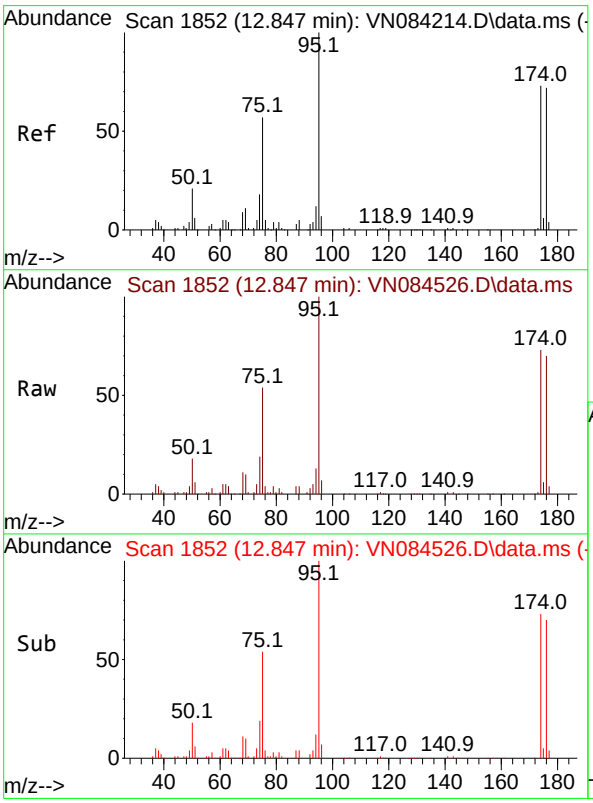
#61
1,2-Dibromoethane
Concen: 53.087 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 103132

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.0

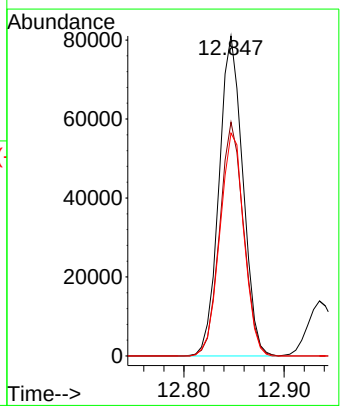


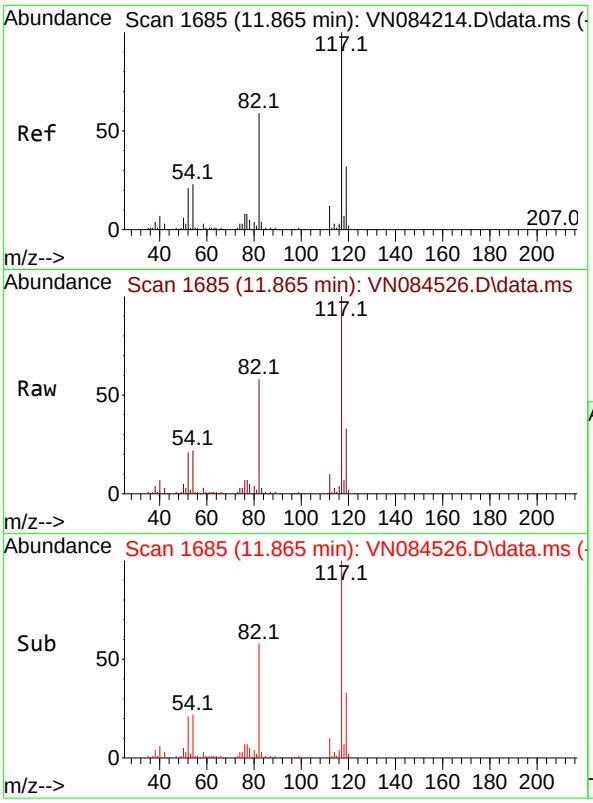


#62
4-Bromofluorobenzene
Concen: 52.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 95 Resp: 133768

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.2
176	70.5	0.0	140.0



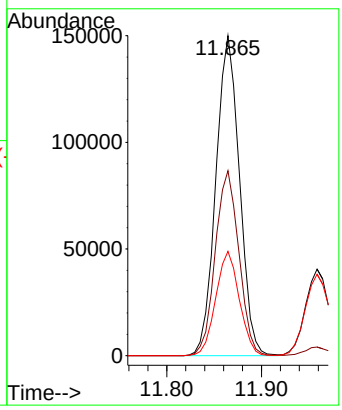


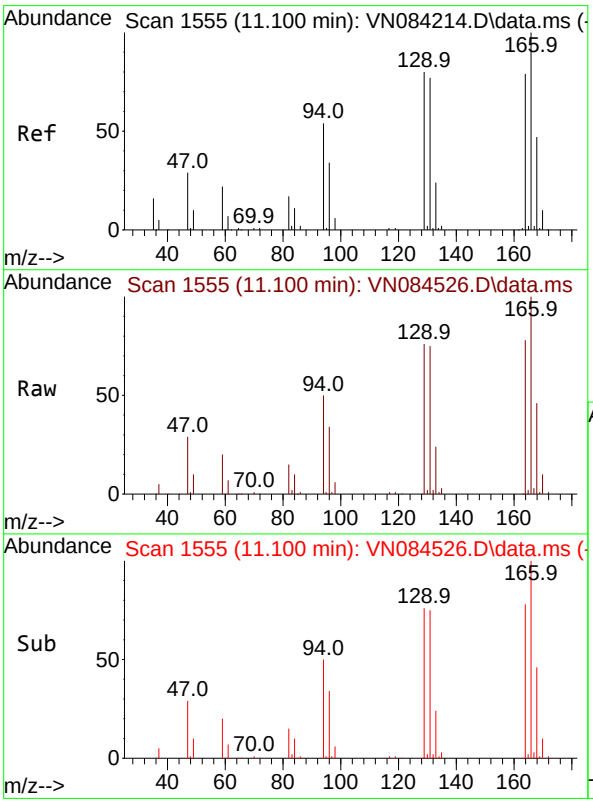
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 260288

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.6	25.4	38.0

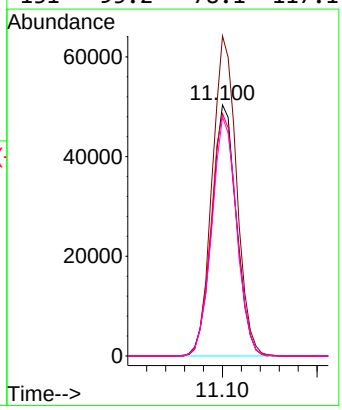


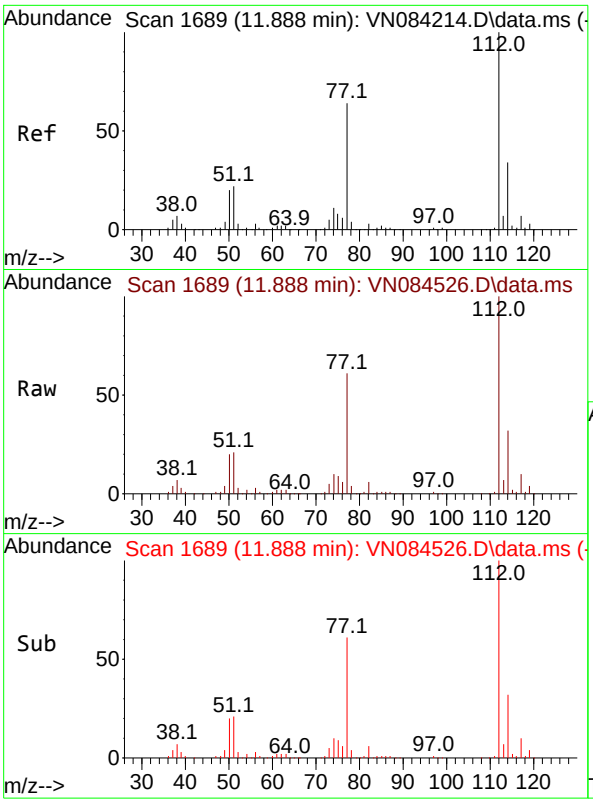


#64
Tetrachloroethene
Concen: 50.022 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:164 Resp: 90687

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	96.5	80.8	121.2
131	95.2	78.1	117.1



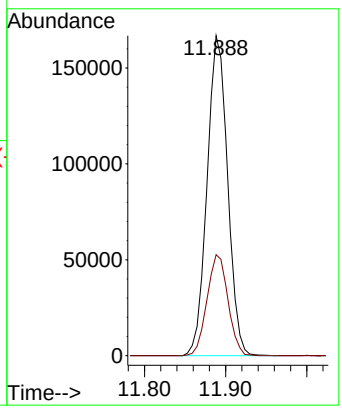


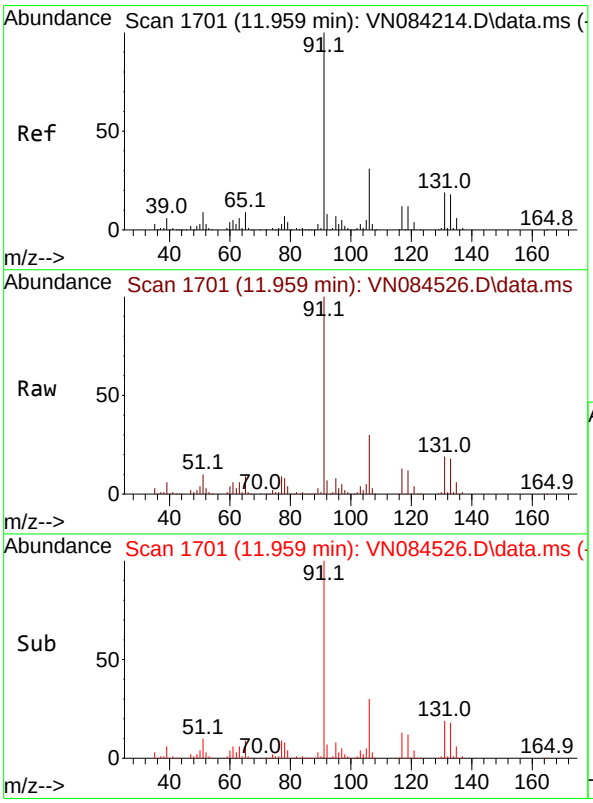
#65
Chlorobenzene
Concen: 50.731 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 292777

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6

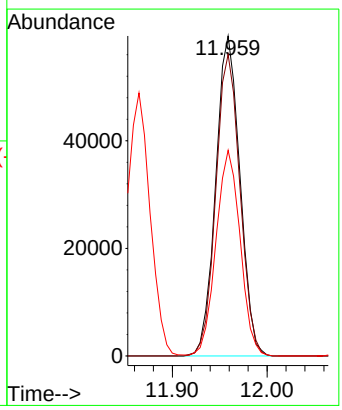


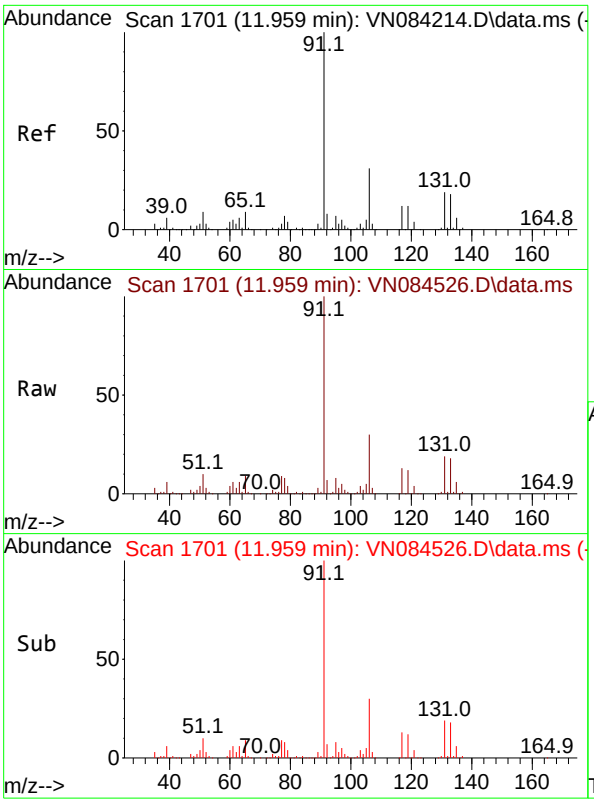


#66
1,1,1,2-Tetrachloroethane
Concen: 53.144 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:131 Resp: 105641

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.9	143.7
119	64.3	32.8	98.3



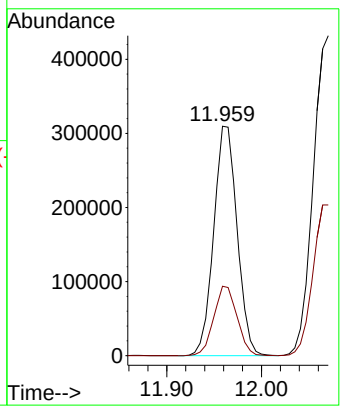


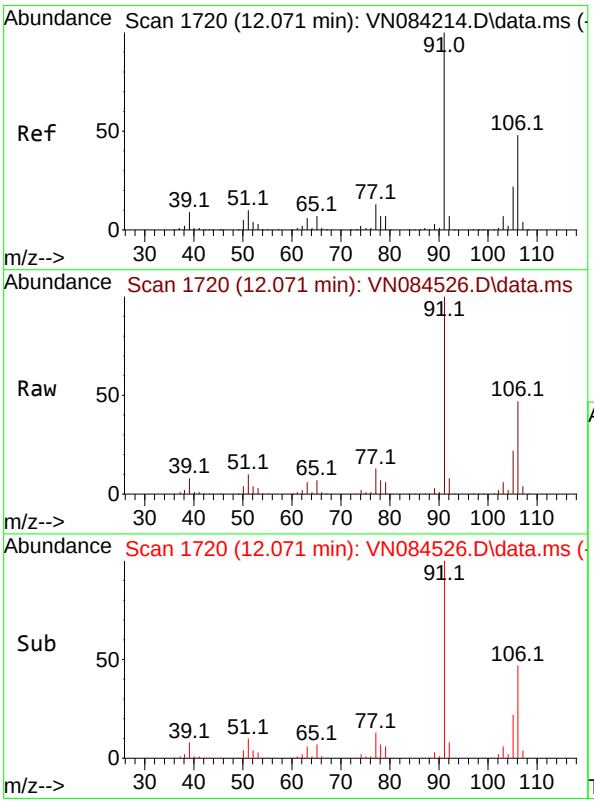
#67
Ethyl Benzene
Concen: 52.136 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 532113

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

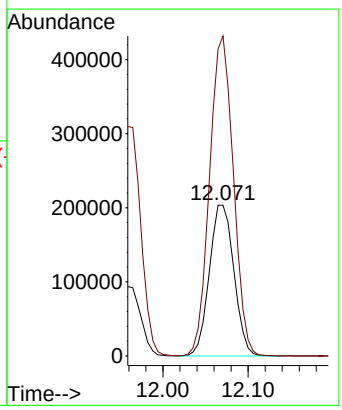


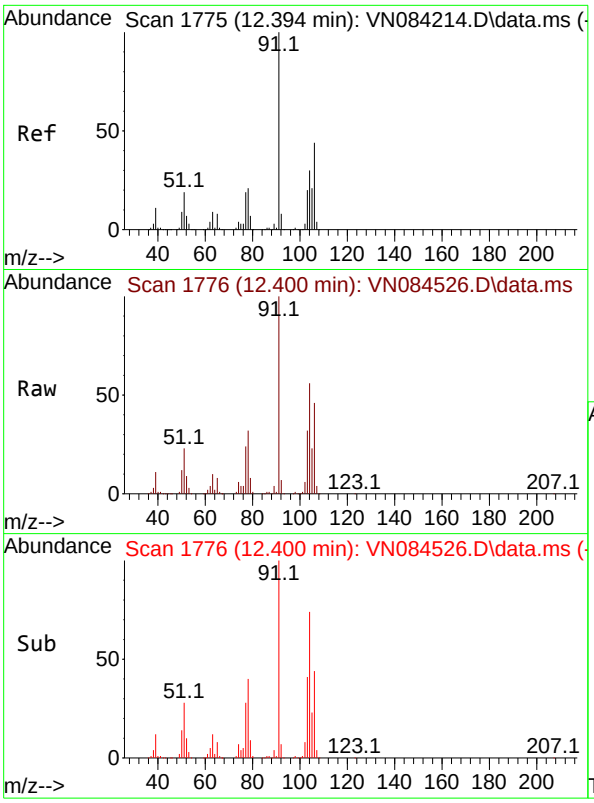


#68
m/p-Xylenes
Concen: 108.094 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:106 Resp: 408093

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7



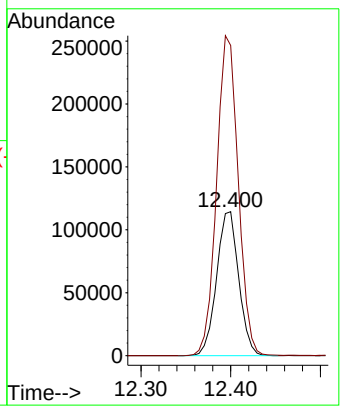


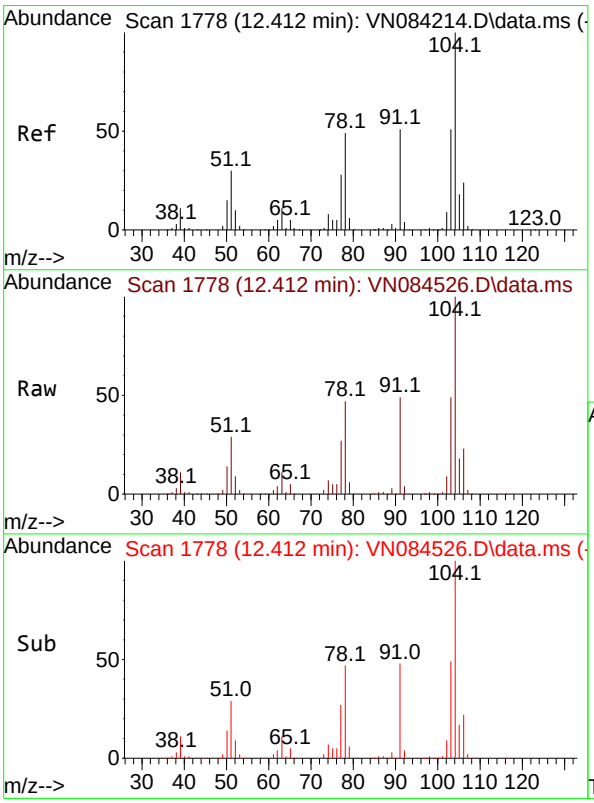
#69
o-Xylene
Concen: 54.776 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 195654

Ion	Ratio	Lower	Upper
106	100		
91	217.5	110.2	330.6

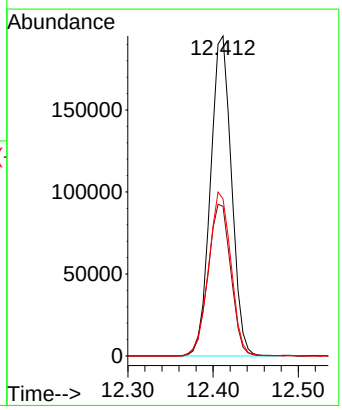


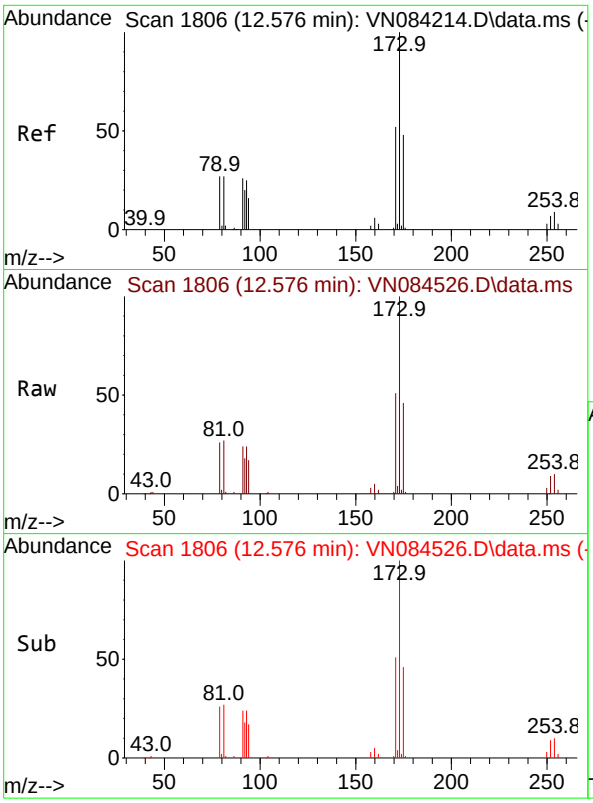


#70
Styrene
Concen: 55.354 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:104 Resp: 334901

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.5	43.6	65.4



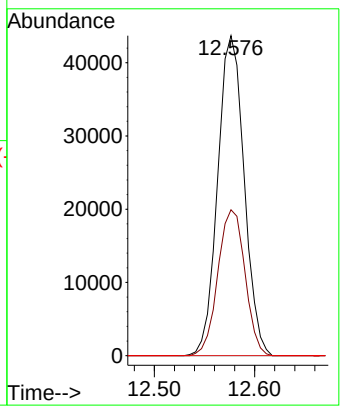


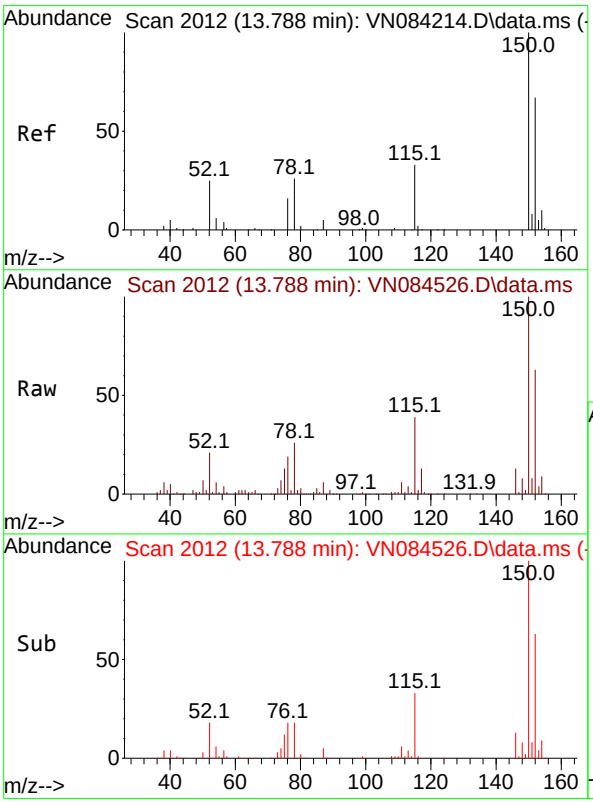
#71
Bromoform
Concen: 54.763 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 80145

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.5	70.6
254	0.0	0.0	0.0

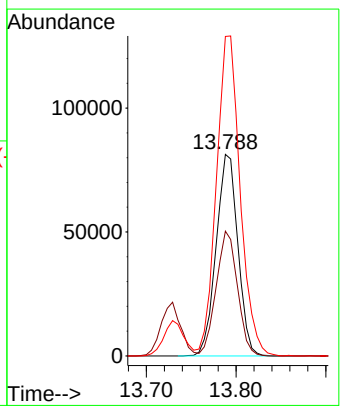


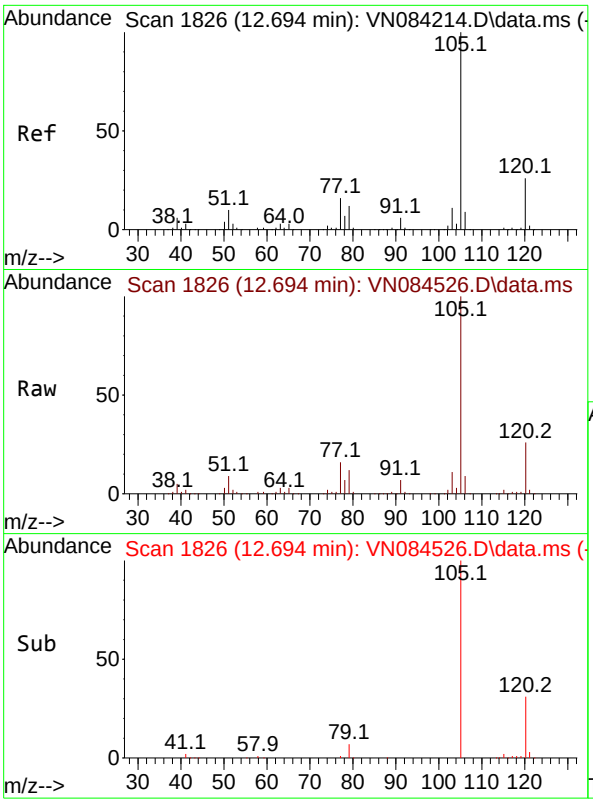


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:152 Resp: 136706

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.3	93.9
150	173.8	0.0	349.8



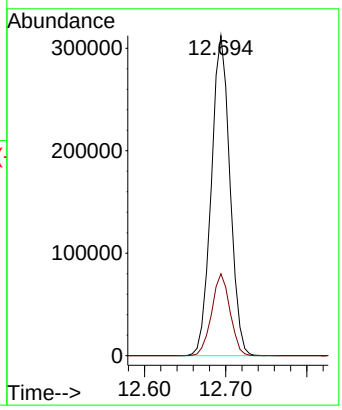


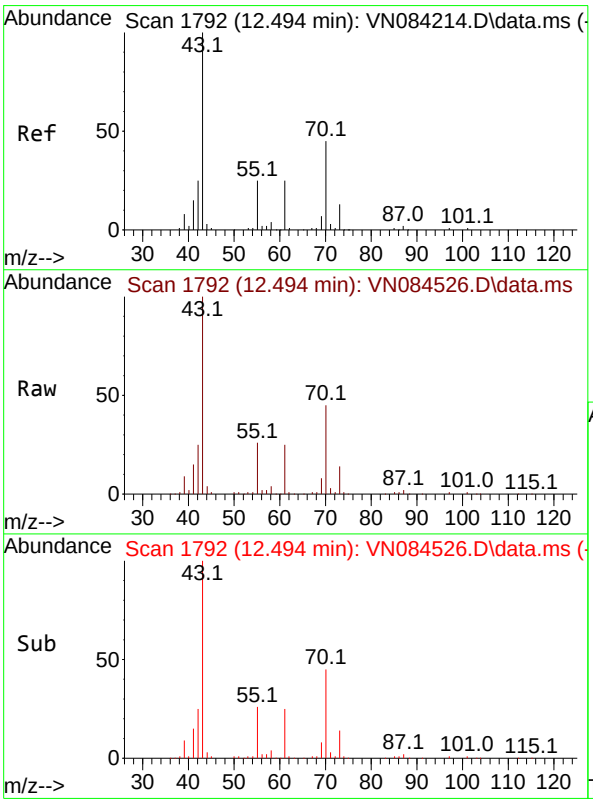
#73
Isopropylbenzene
Concen: 47.706 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 497663

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.9	38.7

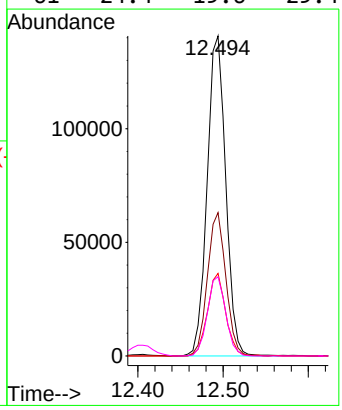


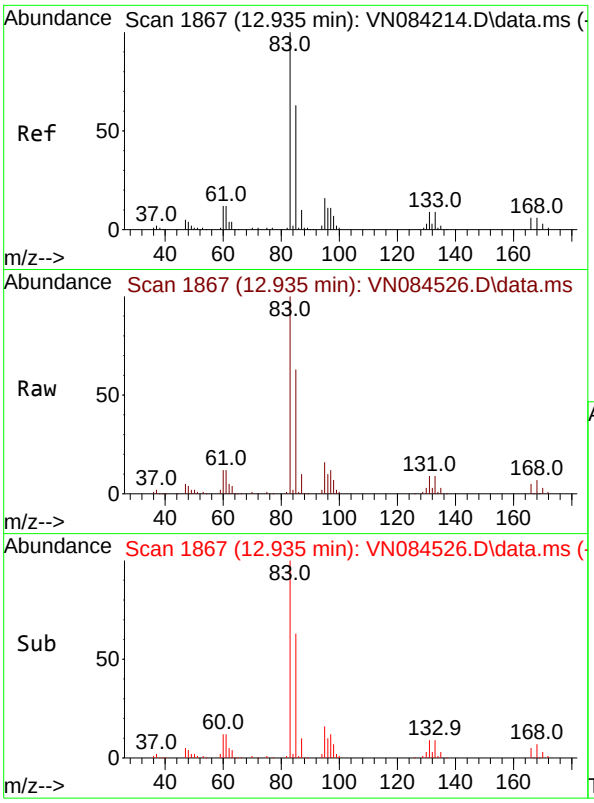


#74
N-amyl acetate
Concen: 45.322 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 43 Resp: 214096

Ion	Ratio	Lower	Upper
43	100		
70	44.3	34.4	51.6
55	25.4	19.6	29.4
61	24.4	19.6	29.4



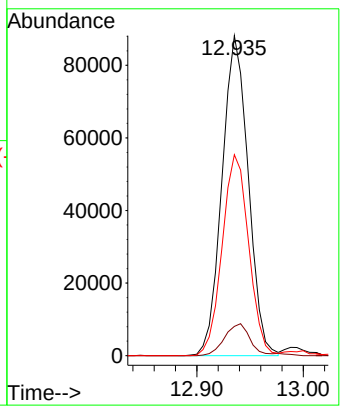


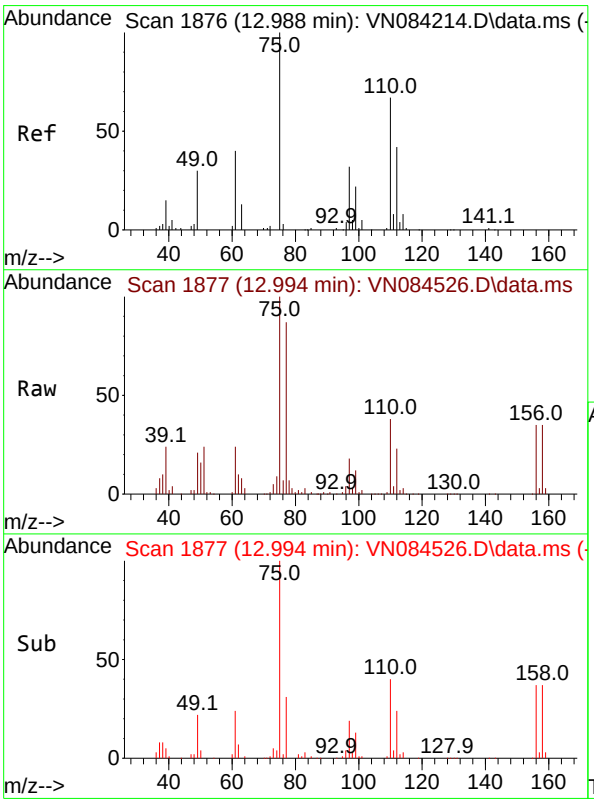
#75
1,1,2,2-Tetrachloroethane
Concen: 47.998 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 150561

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.5	31.9	95.7

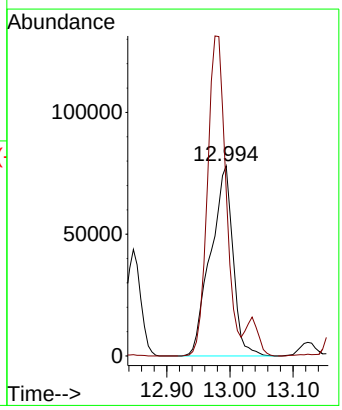


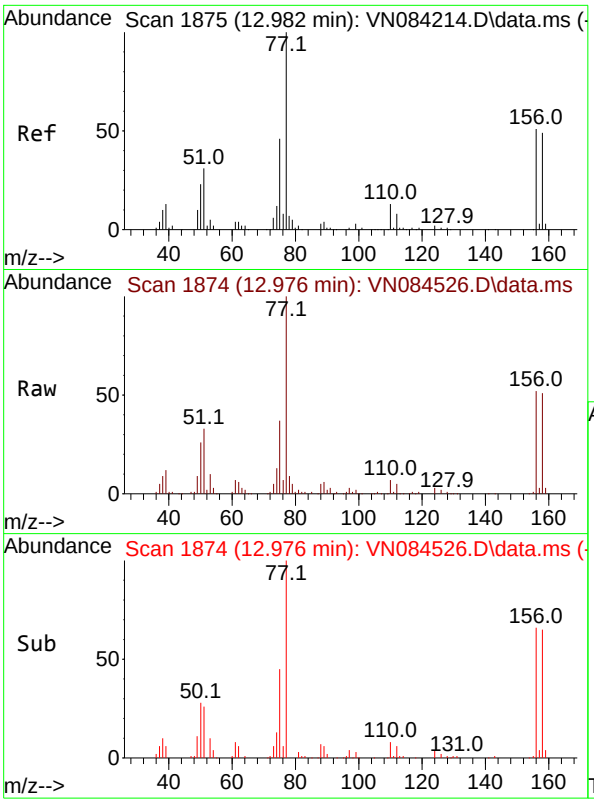


#76
1,2,3-Trichloropropane
Concen: 68.876 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 192225

Ion	Ratio	Lower	Upper
75	100		
77	138.5	96.9	290.7



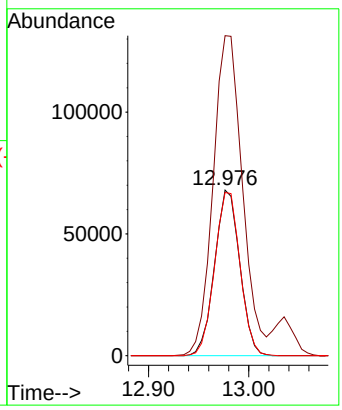


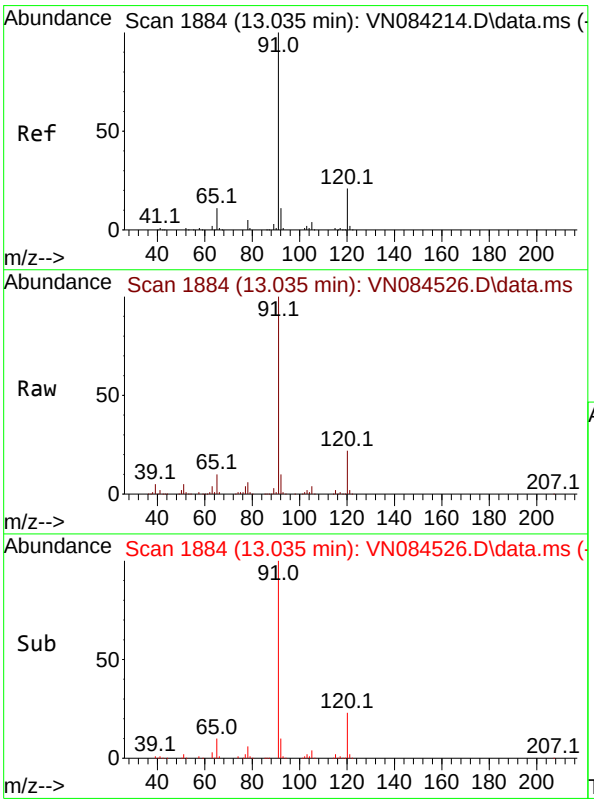
#77
Bromobenzene
Concen: 47.134 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 118604

Ion	Ratio	Lower	Upper
156	100		
77	224.4	115.1	345.3
158	99.6	48.9	146.8

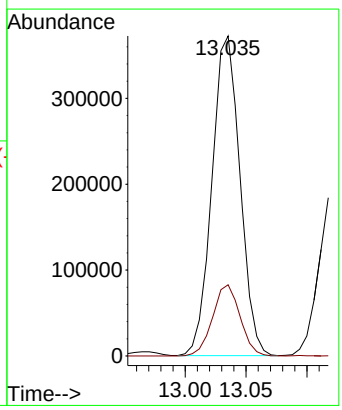


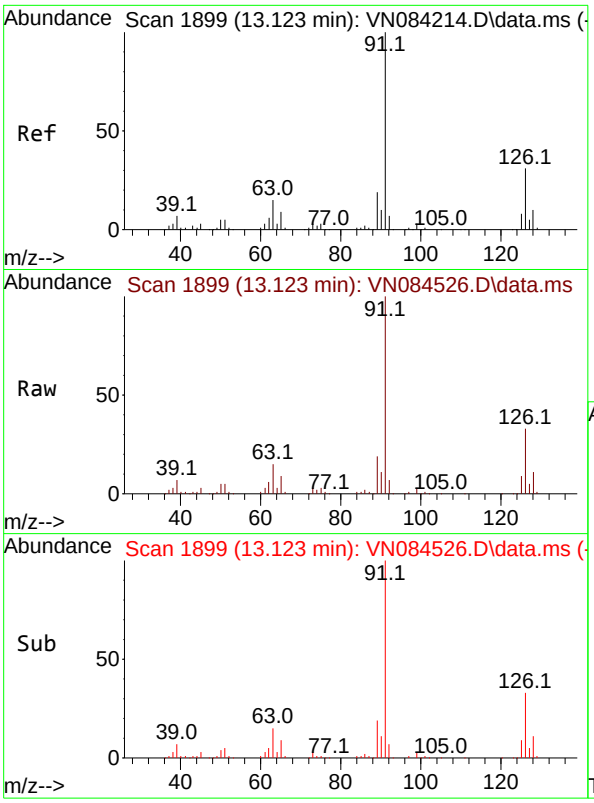


#78
n-propylbenzene
Concen: 49.330 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 91 Resp: 596232

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



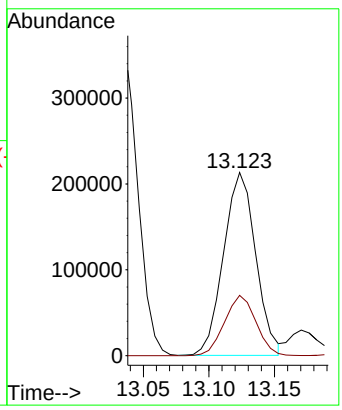


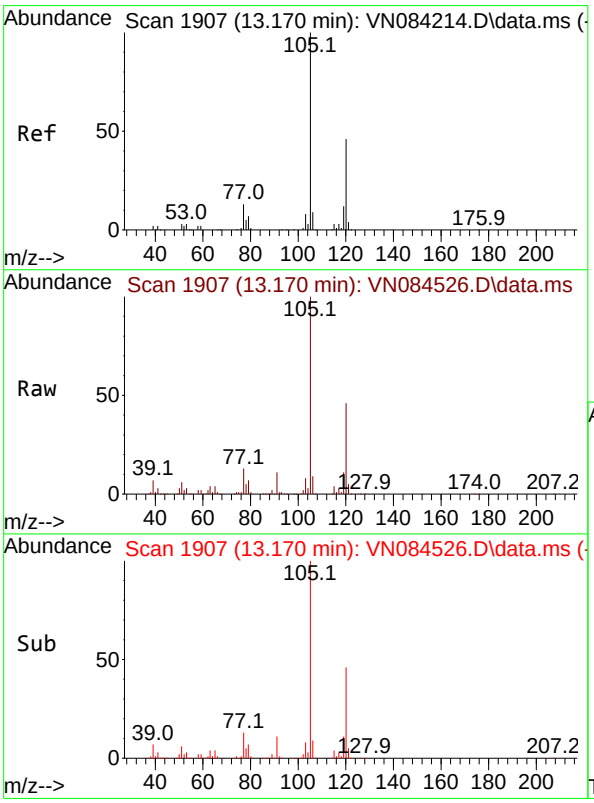
#79
2-Chlorotoluene
Concen: 47.192 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 363962

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

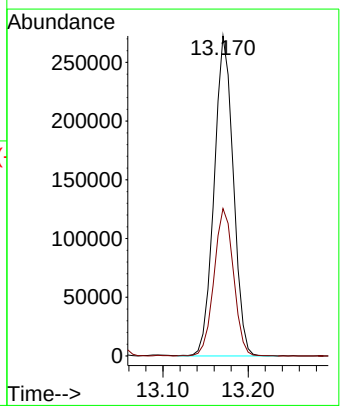


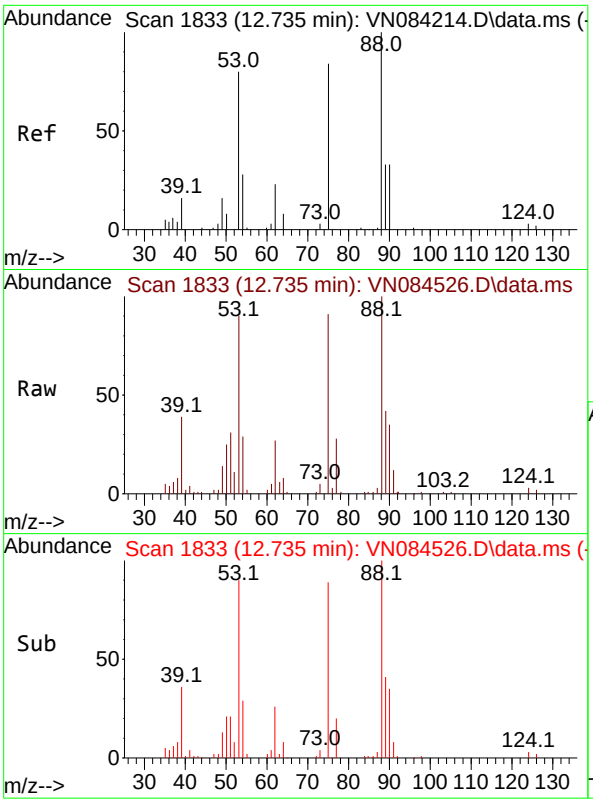


#80
1,3,5-Trimethylbenzene
Concen: 50.034 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:105 Resp: 425766

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.7	71.1



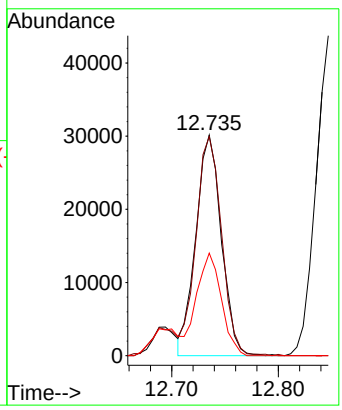


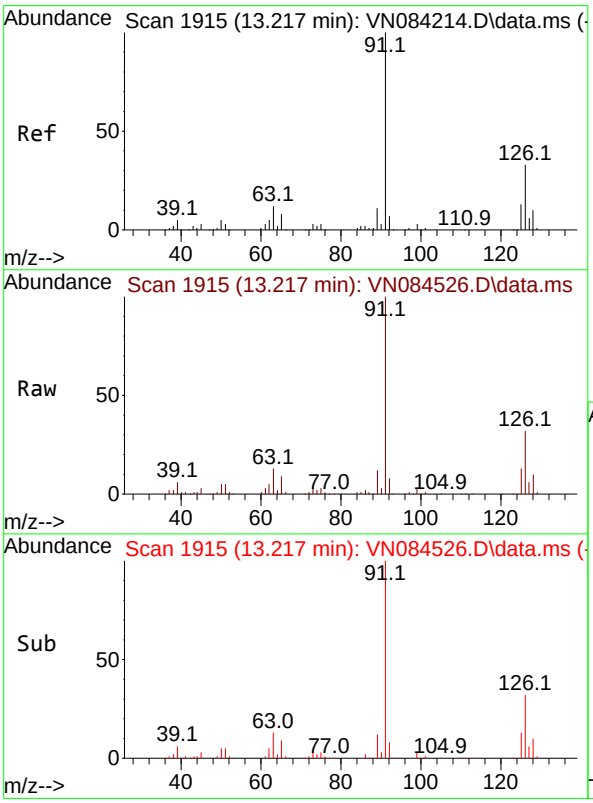
#81
trans-1,4-Dichloro-2-butene
Concen: 43.206 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 50296

Ion	Ratio	Lower	Upper
75	100		
53	99.8	78.0	117.0
89	44.5	35.5	53.3

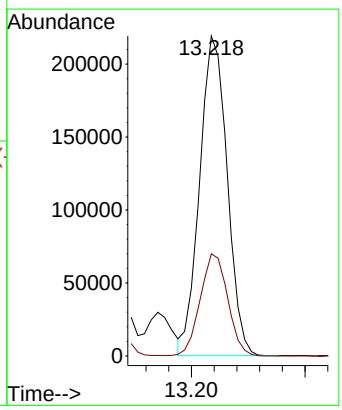


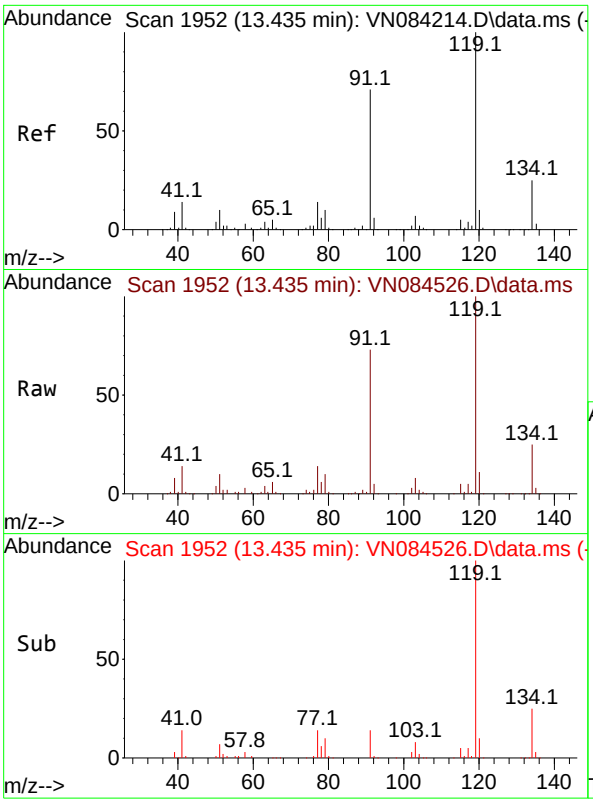


#82
4-Chlorotoluene
Concen: 47.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 91 Resp: 368750

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



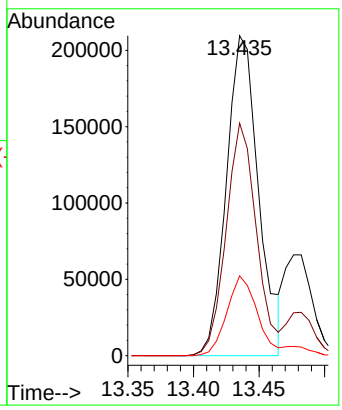


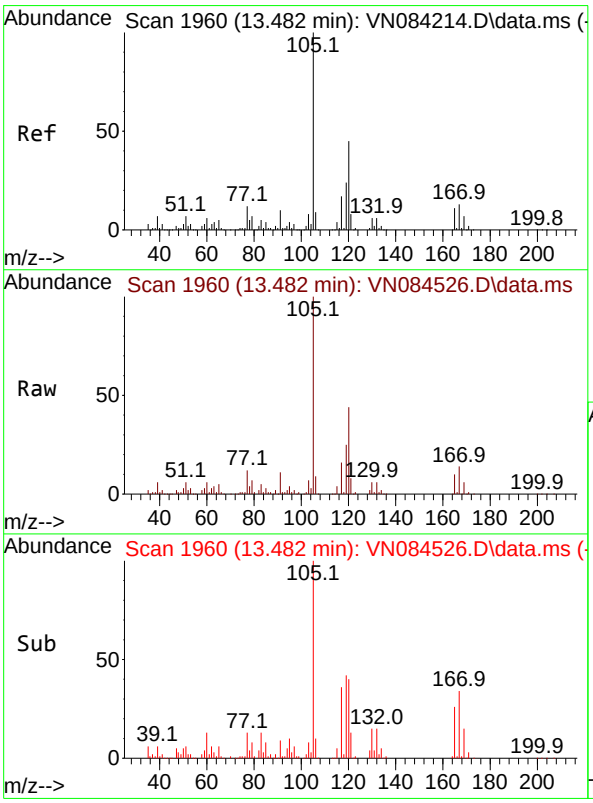
#83
tert-Butylbenzene
Concen: 47.471 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 359032

Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.1	102.3
134	25.7	12.8	38.4

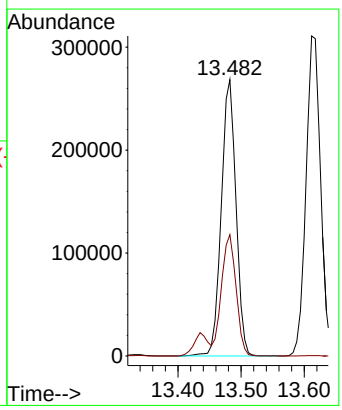


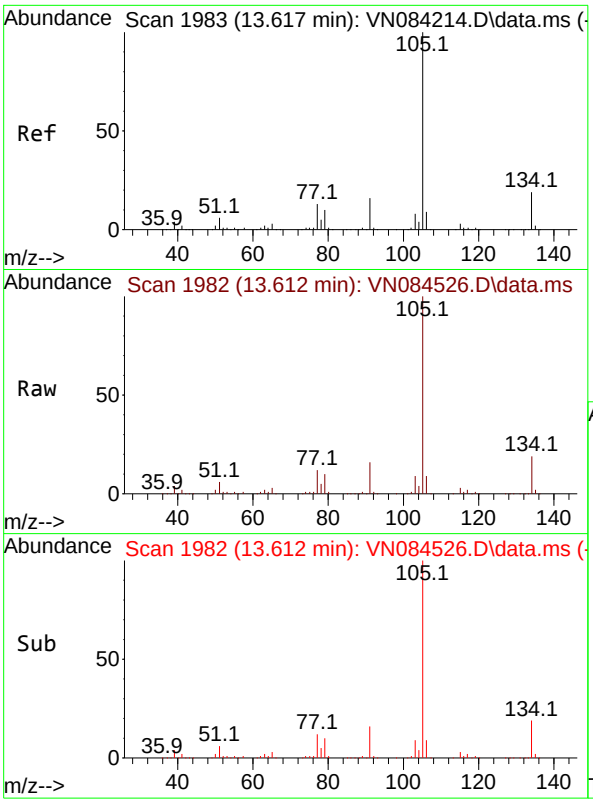


#84
1,2,4-Trimethylbenzene
Concen: 50.510 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:105 Resp: 432987

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



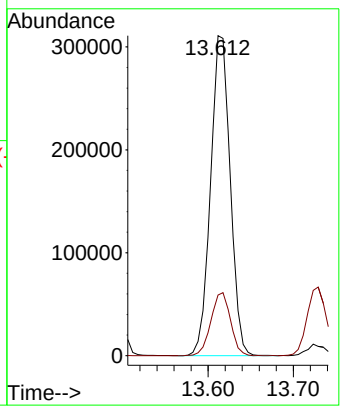


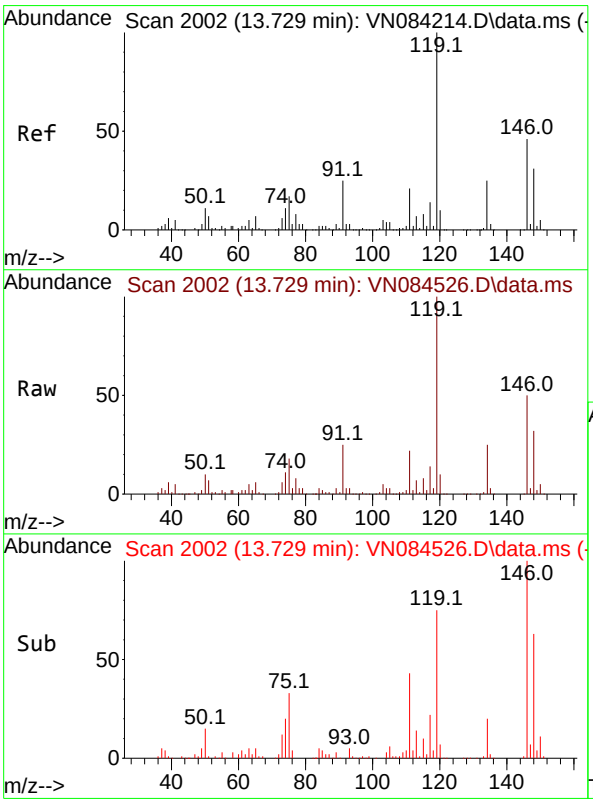
#85
sec-Butylbenzene
Concen: 49.306 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 497624

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

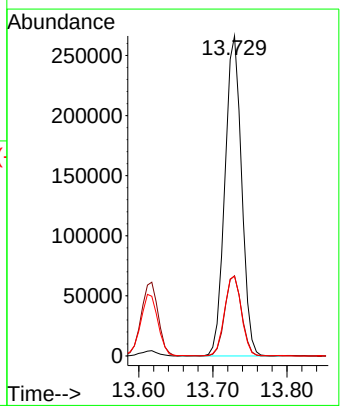


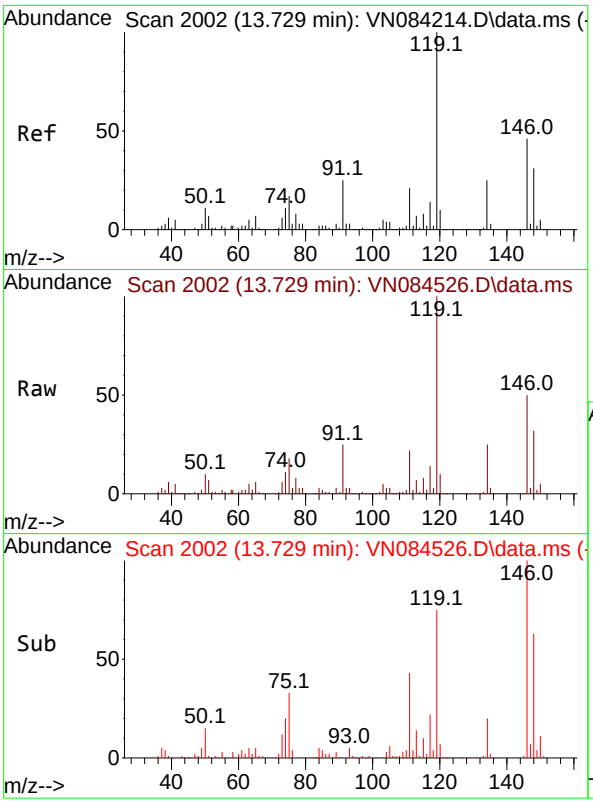


#86
p-Isopropyltoluene
Concen: 49.893 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:119 Resp: 416390

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.4	37.2



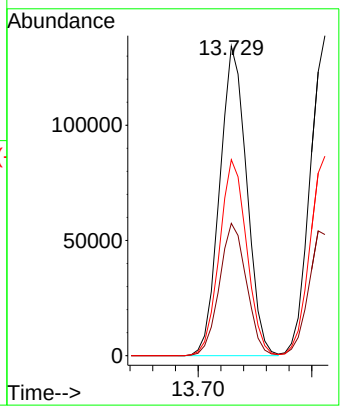


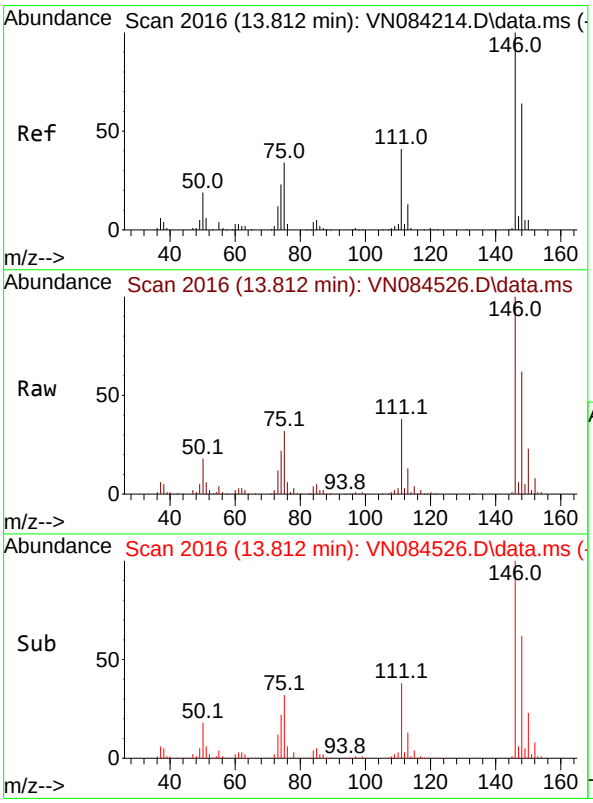
#87
1,3-Dichlorobenzene
Concen: 47.055 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 222126

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.8	31.9	95.7

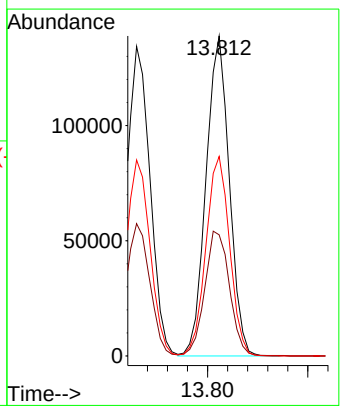


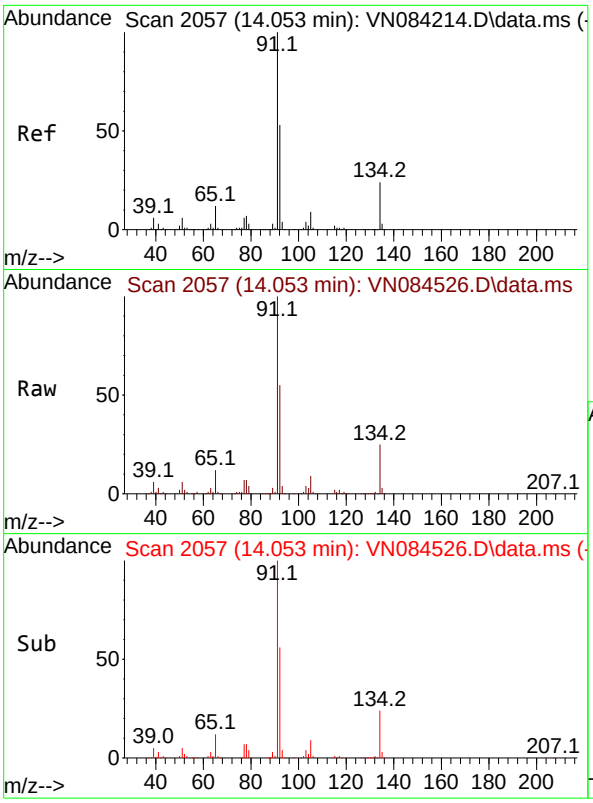


#88
1,4-Dichlorobenzene
Concen: 46.984 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:146 Resp: 223979

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.6	31.9	95.9



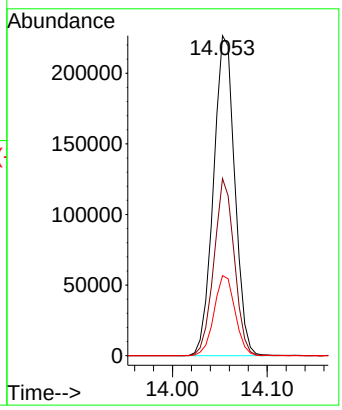


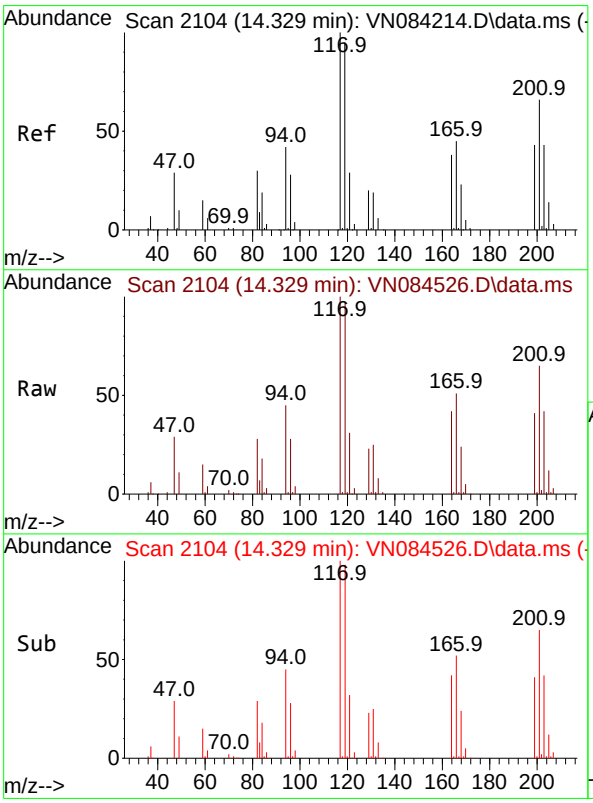
#89
n-Butylbenzene
Concen: 46.782 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 354026

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.7	12.3	36.9

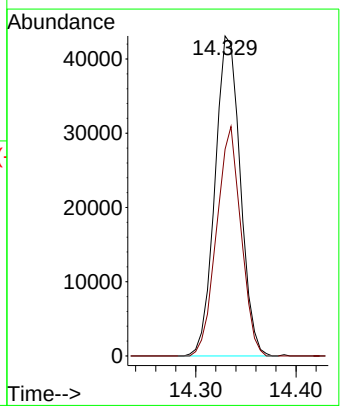


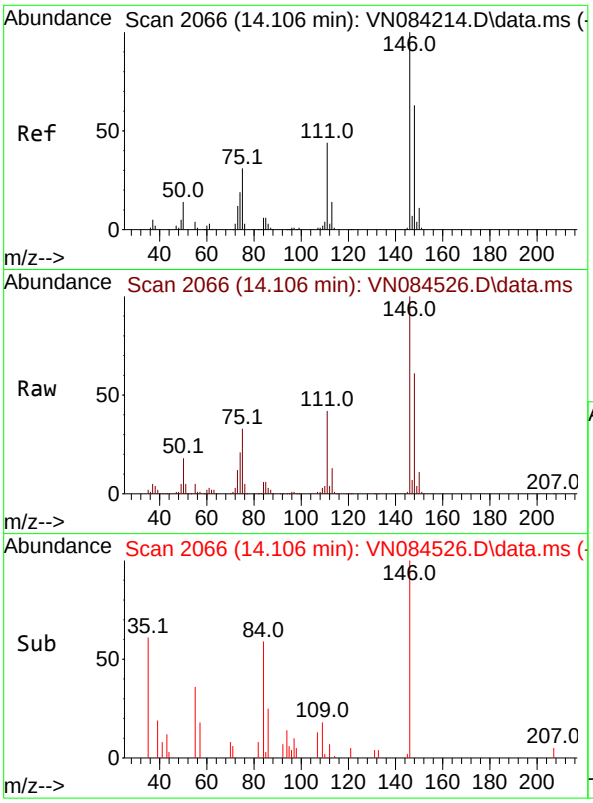


#90
Hexachloroethane
Concen: 44.573 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:117 Resp: 75508

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.4	103.2



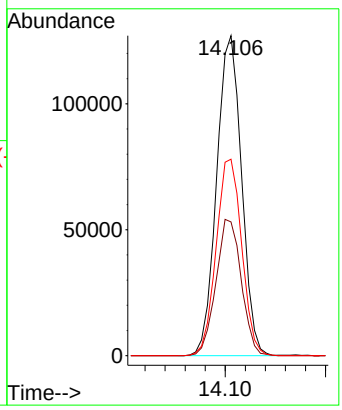


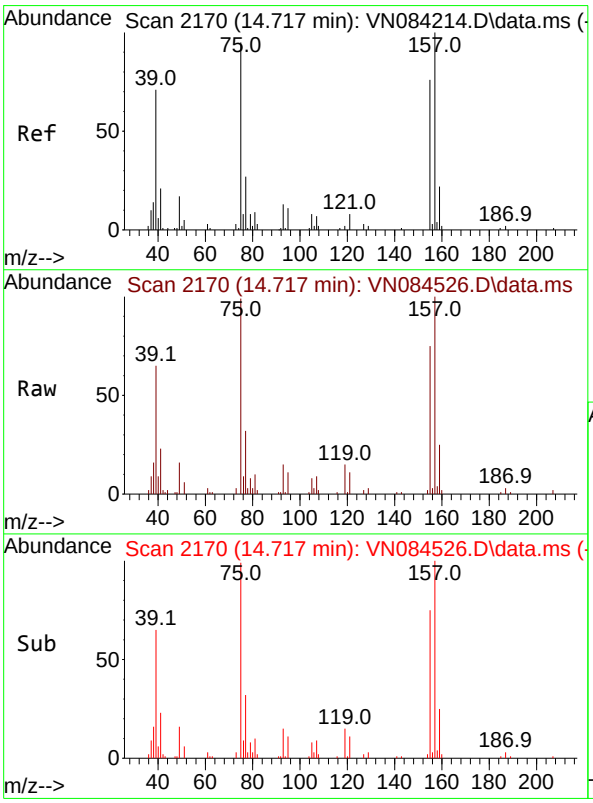
#91
1,2-Dichlorobenzene
Concen: 47.263 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 218768

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.0	66.0
148	63.0	32.1	96.3

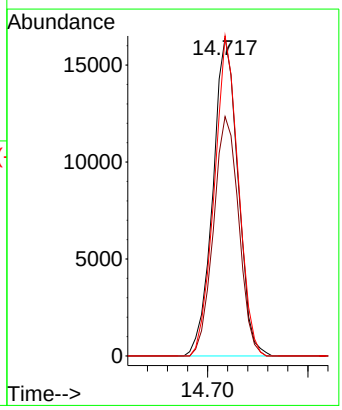


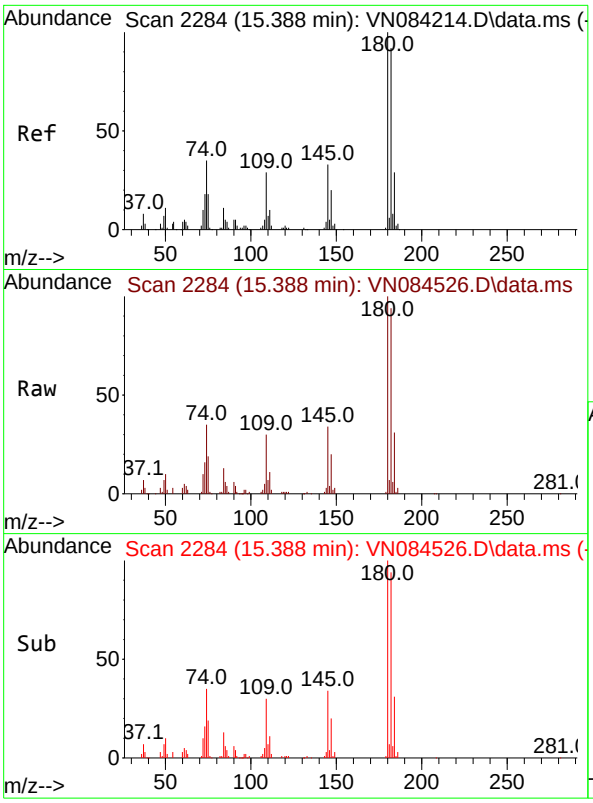


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.075 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion: 75 Resp: 28530

Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.1	114.5
157	95.8	49.6	149.0



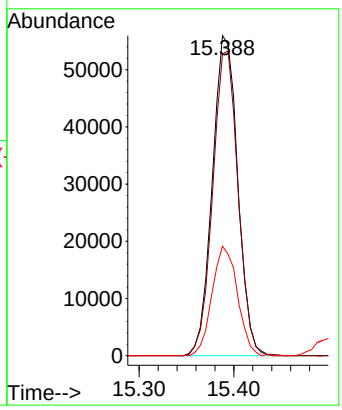


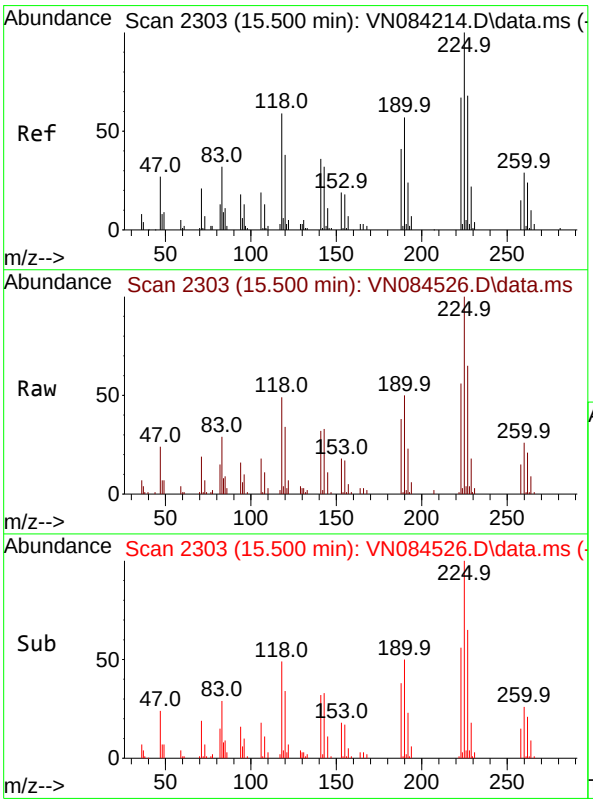
#93
1,2,4-Trichlorobenzene
Concen: 45.570 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 103896

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	34.3	16.4	49.4

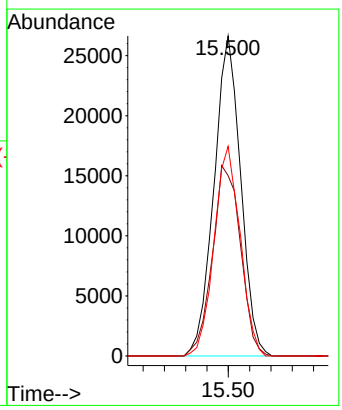


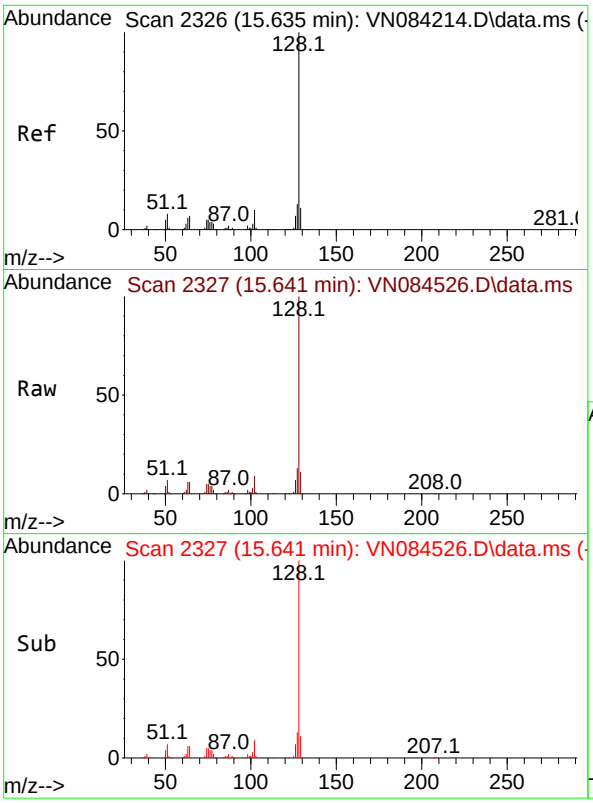


#94
Hexachlorobutadiene
Concen: 40.733 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:225 Resp: 46312

Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.4	97.2
227	64.0	32.4	97.0



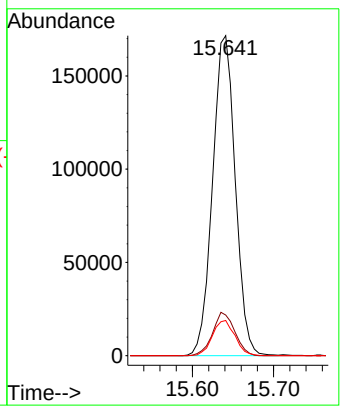


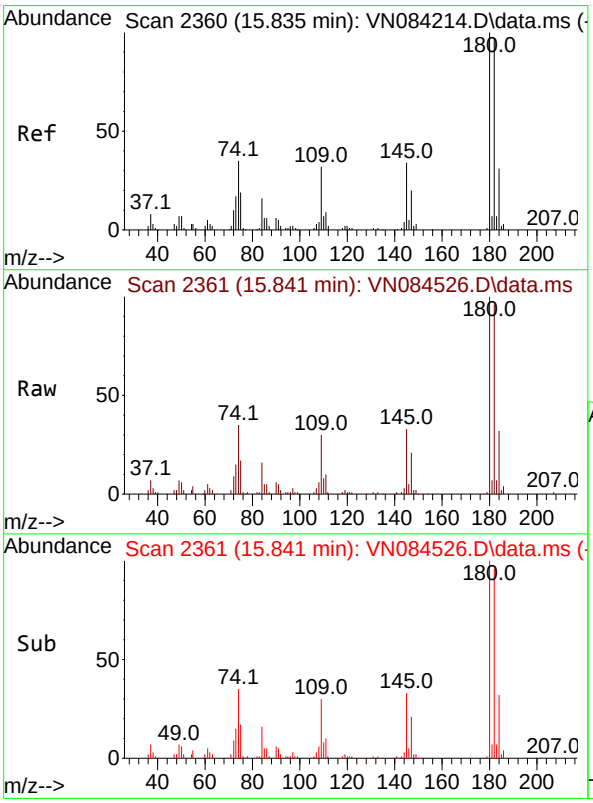
#95
Naphthalene
Concen: 44.152 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 333714

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.7	13.1

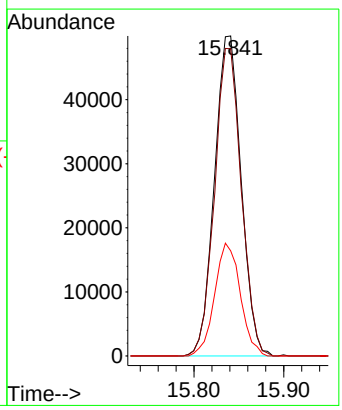




#96
1,2,3-Trichlorobenzene
Concen: 45.202 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084526.D
Acq: 25 Oct 2024 19:13

Tgt Ion:180 Resp: 103160

Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	33.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120134	48.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.300%			
35) Dibromofluoromethane	8.165	113	99545	54.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	10.565	98	347657	51.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.847	95	132896	53.860	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	86744	44.030	ug/l	94
3) Chloromethane	2.359	50	99520	44.241	ug/l	100
4) Vinyl Chloride	2.512	62	100469	46.108	ug/l	97
5) Bromomethane	2.948	94	62891	43.757	ug/l	98
6) Chloroethane	3.118	64	65082	41.705	ug/l	92
7) Trichlorofluoromethane	3.495	101	170700	50.308	ug/l	96
8) Diethyl Ether	3.959	74	60129	47.781	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	96921	49.851	ug/l	98
10) Methyl Iodide	4.589	142	125472	50.113	ug/l	95
11) Tert butyl alcohol	5.518	59	95192	233.770	ug/l	100
12) 1,1-Dichloroethene	4.342	96	92279	49.207	ug/l	95
13) Acrolein	4.177	56	100084	214.094	ug/l	99
14) Allyl chloride	5.024	41	143362	44.018	ug/l	98
15) Acrylonitrile	5.718	53	260578	253.406	ug/l	97
16) Acetone	4.424	43	256618	241.898	ug/l	99
17) Carbon Disulfide	4.712	76	249987	42.104	ug/l	99
18) Methyl Acetate	5.018	43	130262	56.337	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	319640	50.500	ug/l	97
20) Methylene Chloride	5.277	84	110503	51.242	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	101035	51.425	ug/l	98
22) Diisopropyl ether	6.671	45	341716	50.724	ug/l	97
23) Vinyl Acetate	6.600	43	1218866	243.938	ug/l	98
24) 1,1-Dichloroethane	6.565	63	193799	51.442	ug/l	96
25) 2-Butanone	7.477	43	353909	244.937	ug/l	99
26) 2,2-Dichloropropane	7.489	77	173677	51.129	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	123148	51.870	ug/l	96
28) Bromochloromethane	7.812	49	74170	44.125	ug/l	94
29) Tetrahydrofuran	7.836	42	221155	248.023	ug/l	97
30) Chloroform	7.965	83	206104	52.667	ug/l	98
31) Cyclohexane	8.259	56	160173	43.789	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	181138	51.539	ug/l	99
36) 1,1-Dichloropropene	8.371	75	138130	51.657	ug/l	99
37) Ethyl Acetate	7.559	43	136243	49.664	ug/l	100
38) Carbon Tetrachloride	8.359	117	157140	53.573	ug/l	95
39) Methylcyclohexane	9.600	83	145094	48.754	ug/l	97
40) Benzene	8.600	78	442533	53.118	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	73419	49.298	ug/l		95
42) 1,2-Dichloroethane	8.671	62	147360	52.174	ug/l		100
43) Isopropyl Acetate	8.688	43	239287	44.533	ug/l		99
44) Trichloroethene	9.353	130	102839	52.851	ug/l		96
45) 1,2-Dichloropropane	9.618	63	108113	54.856	ug/l		100
46) Dibromomethane	9.706	93	78367	58.923	ug/l		98
47) Bromodichloromethane	9.888	83	162397	54.959	ug/l	#	97
48) Methyl methacrylate	9.677	41	109240	51.072	ug/l		99
49) 1,4-Dioxane	9.694	88	40112	1018.632	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	701721	268.706	ug/l		99
52) Toluene	10.629	92	276685	54.461	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	161941	53.765	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	176595	54.508	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	105513	57.934	ug/l		97
56) Ethyl methacrylate	10.871	69	164948	55.041	ug/l		95
57) 1,3-Dichloropropane	11.159	76	180439	55.445	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	391410	281.550	ug/l		97
59) 2-Hexanone	11.194	43	521359	267.109	ug/l		99
60) Dibromochloromethane	11.359	129	123065	57.189	ug/l		99
61) 1,2-Dibromoethane	11.465	107	103496	54.689	ug/l		99
64) Tetrachloroethene	11.100	164	97380	54.633	ug/l		96
65) Chlorobenzene	11.888	112	295665	52.108	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	106403	54.443	ug/l		100
67) Ethyl Benzene	11.959	91	524379	52.257	ug/l		99
68) m/p-Xylenes	12.065	106	401441	108.151	ug/l		100
69) o-Xylene	12.394	106	192158	54.717	ug/l		100
70) Styrene	12.406	104	333454	56.058	ug/l		98
71) Bromoform	12.576	173	79927	55.548	ug/l	#	97
73) Isopropylbenzene	12.694	105	489769	50.337	ug/l		100
74) N-amyl acetate	12.488	43	200302	45.461	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	148591	50.789	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	189409	72.764	ug/l		63
77) Bromobenzene	12.976	156	119903	51.089	ug/l		95
78) n-propylbenzene	13.035	91	587897	52.151	ug/l		99
79) 2-Chlorotoluene	13.123	91	359954	50.040	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	425471	53.608	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	58317	53.711	ug/l		92
82) 4-Chlorotoluene	13.218	91	367485	50.748	ug/l		98
83) tert-Butylbenzene	13.435	119	347018	49.193	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	427732	53.498	ug/l		99
85) sec-Butylbenzene	13.612	105	486834	51.718	ug/l		100
86) p-Isopropyltoluene	13.723	119	409248	52.576	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	223411	50.742	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	222616	50.068	ug/l		99
89) n-Butylbenzene	14.053	91	352954	50.006	ug/l		98
90) Hexachloroethane	14.329	117	76602	48.482	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	216615	50.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28304	46.881	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	110241	51.843	ug/l		99
94) Hexachlorobutadiene	15.500	225	49903	47.058	ug/l		97
95) Naphthalene	15.641	128	334829	47.496	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	109325	51.361	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

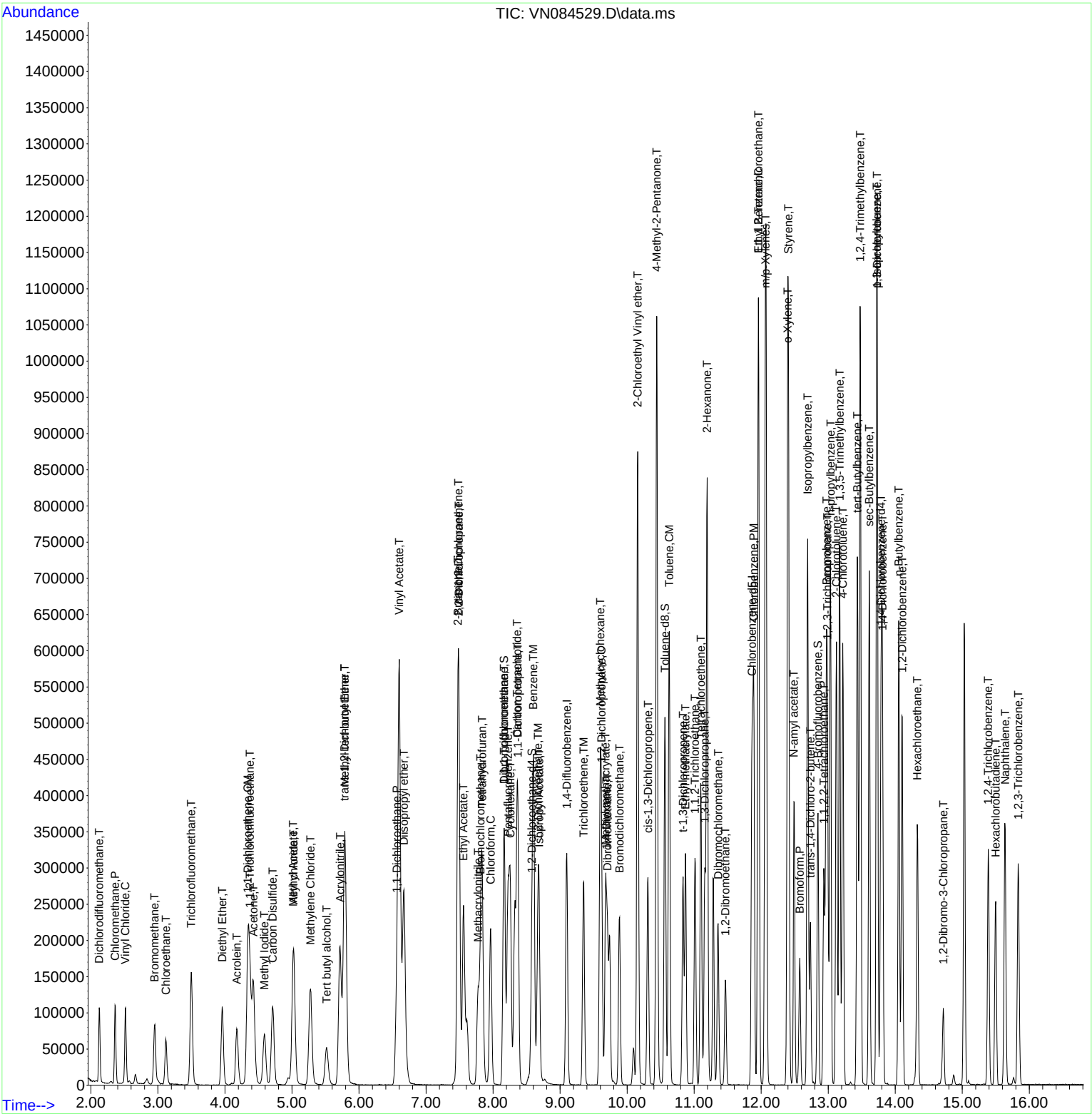
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

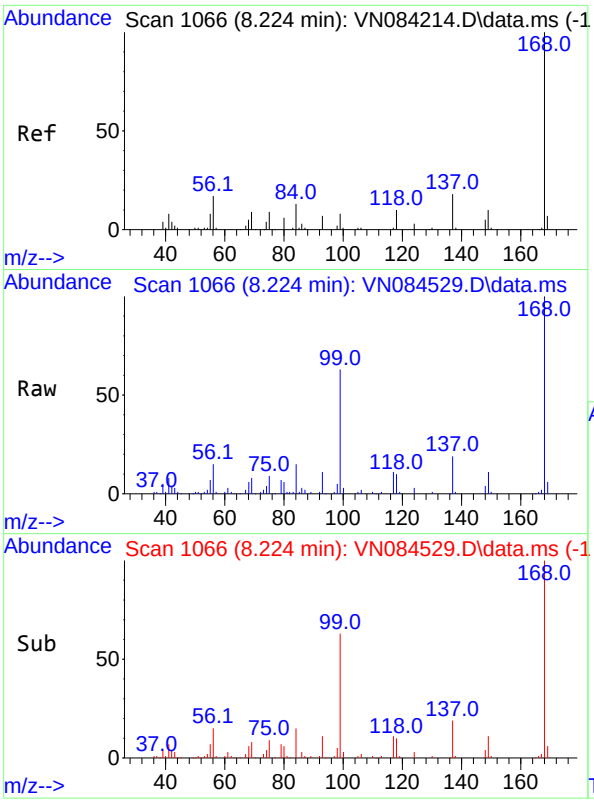
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084529.D
Acq On : 28 Oct 2024 10:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 28 14:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



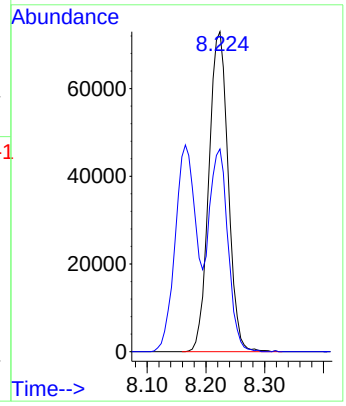


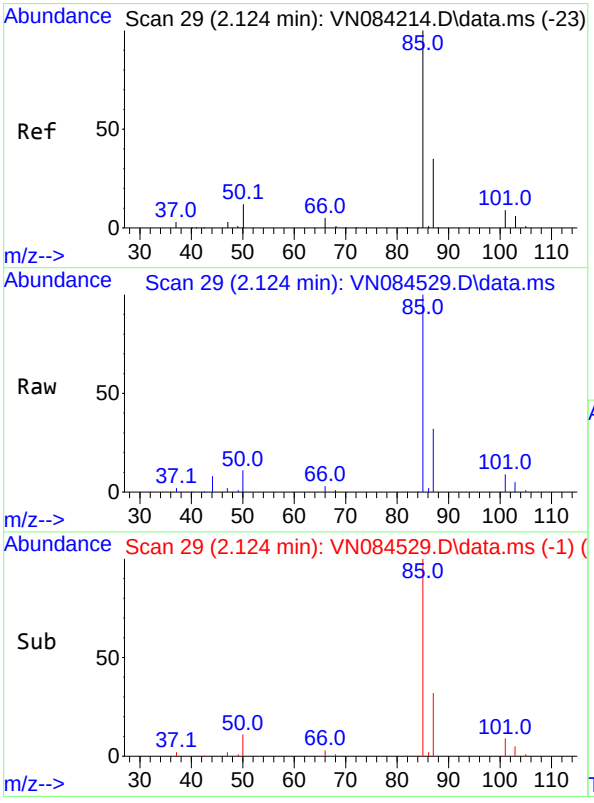
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 166557

Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2

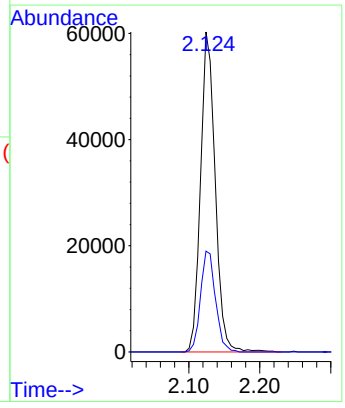


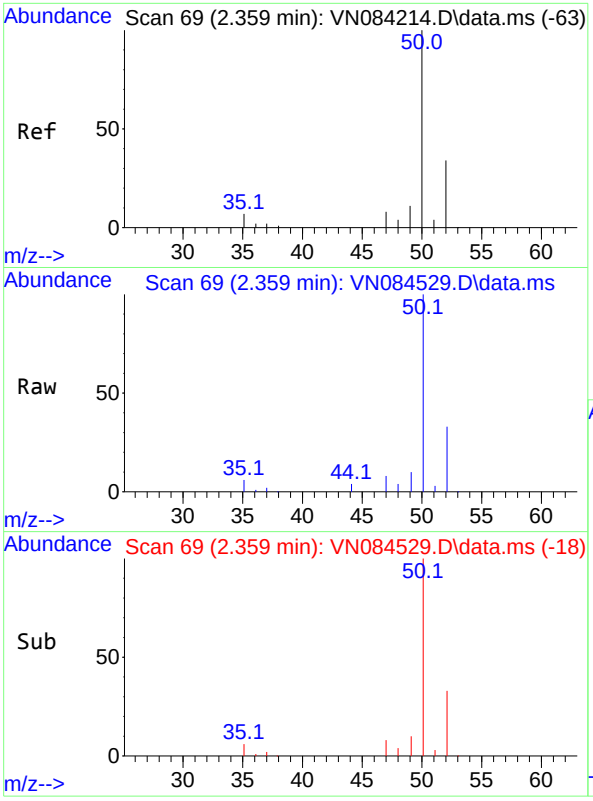


#2
Dichlorodifluoromethane
Concen: 44.030 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 85 Resp: 86744

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9



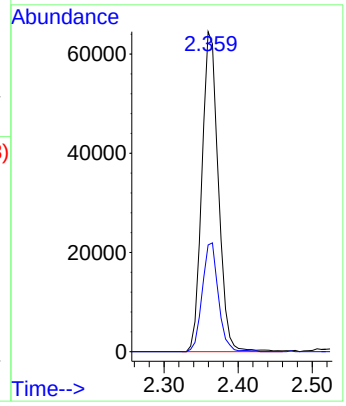


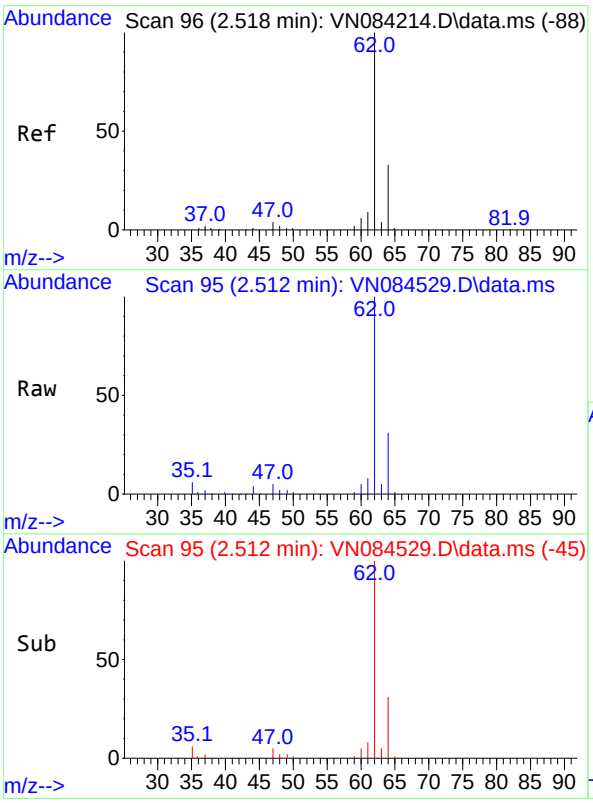
#3
Chloromethane
Concen: 44.241 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 99520

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.8	40.2

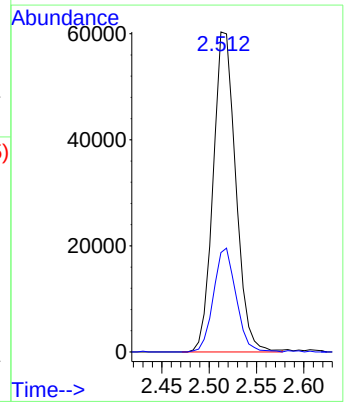


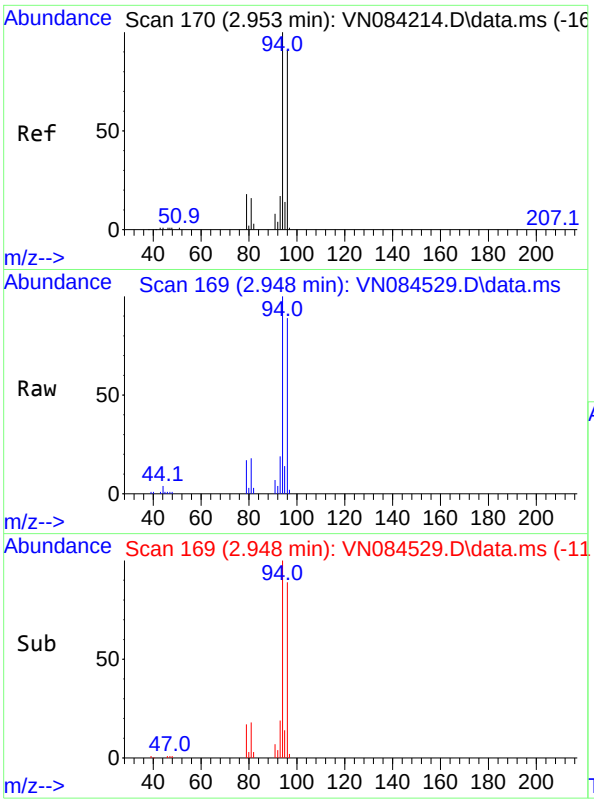


#4
Vinyl Chloride
Concen: 46.108 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 62 Resp: 100469

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4



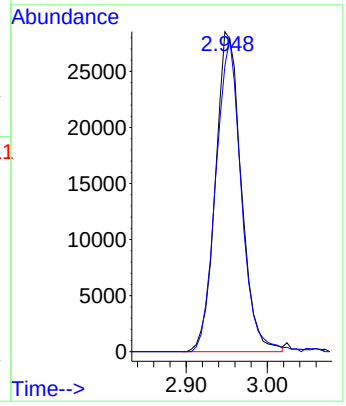


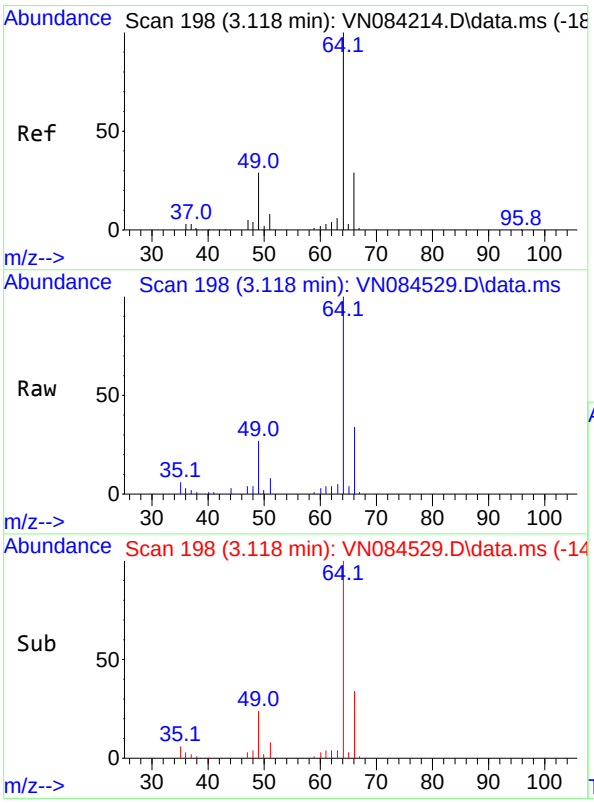
#5
Bromomethane
Concen: 43.757 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 62891

Ion	Ratio	Lower	Upper
94	100		
96	89.3	72.9	109.3

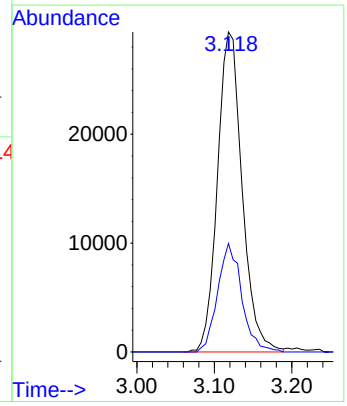


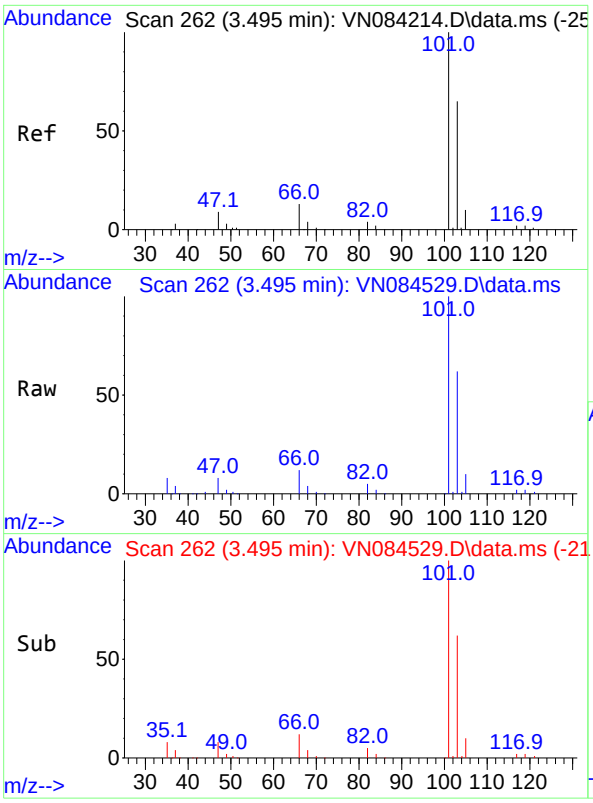


#6
Chloroethane
Concen: 41.705 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 64 Resp: 65082

Ion	Ratio	Lower	Upper
64	100		
66	33.9	23.5	35.3



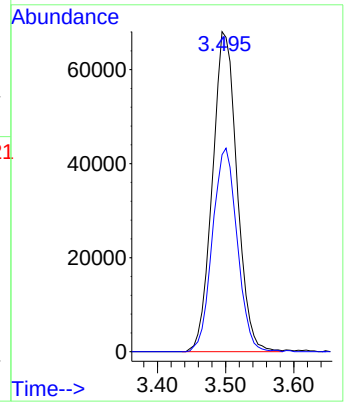


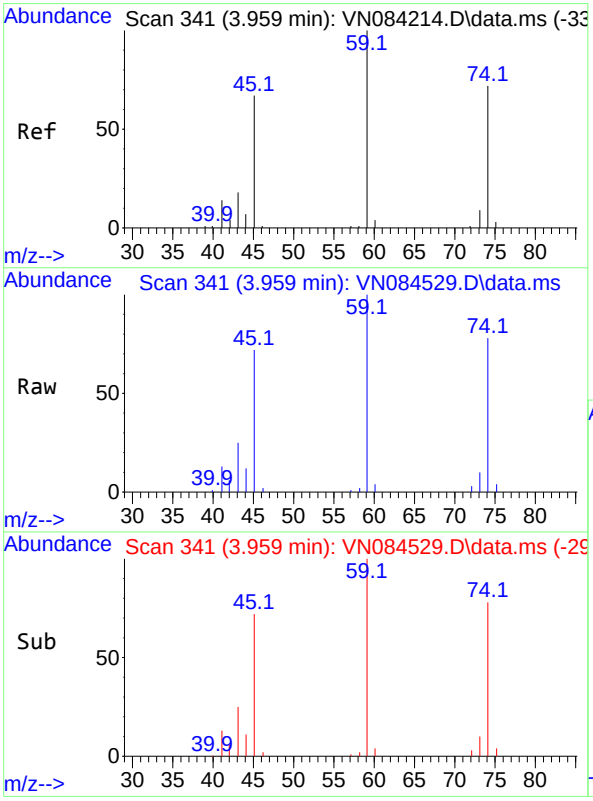
#7
Trichlorofluoromethane
Concen: 50.308 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 170700

Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.8	77.6

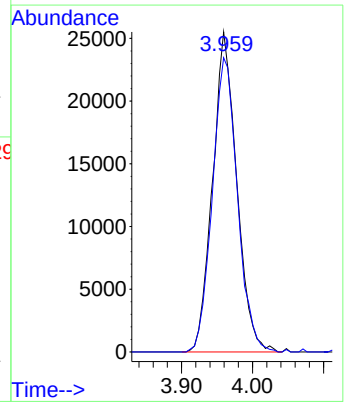


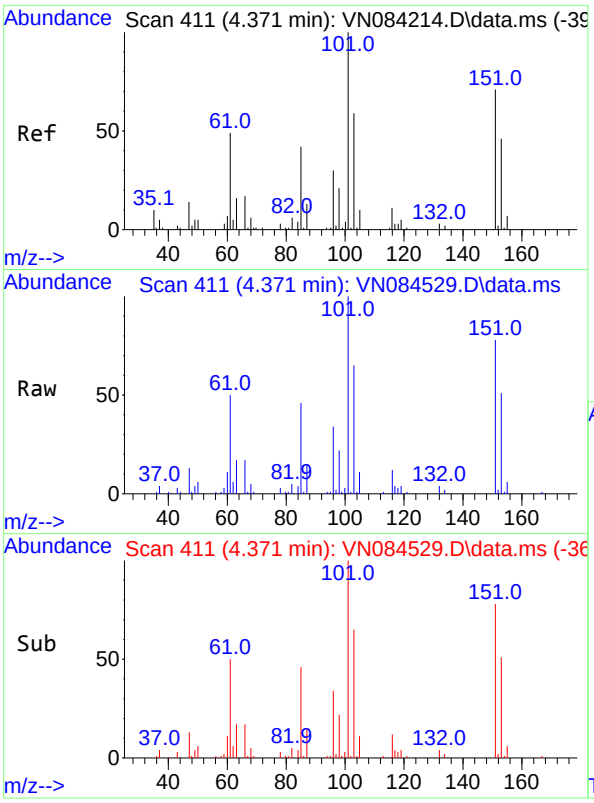


#8
Diethyl Ether
Concen: 47.781 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 74 Resp: 60129

Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.7	143.1



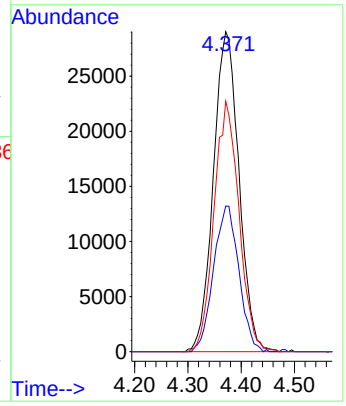


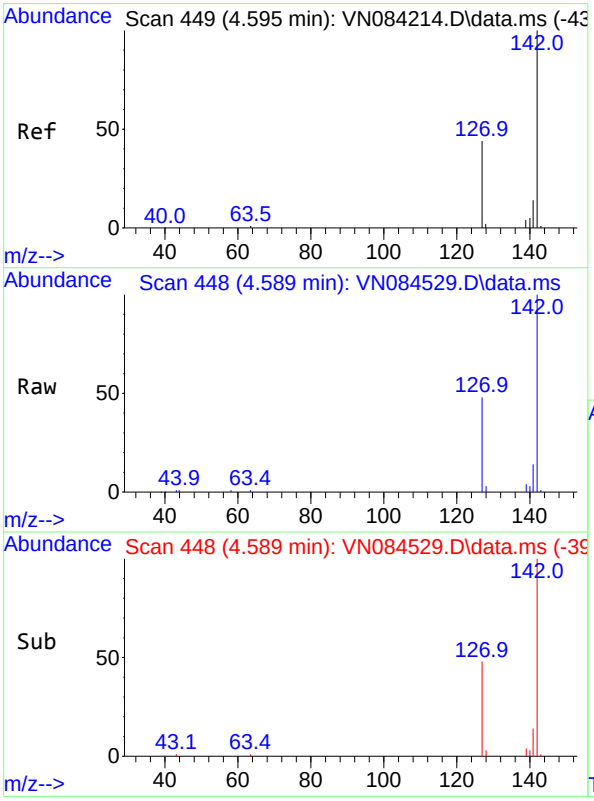
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.851 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96921

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.4
151	76.3	59.3	88.9

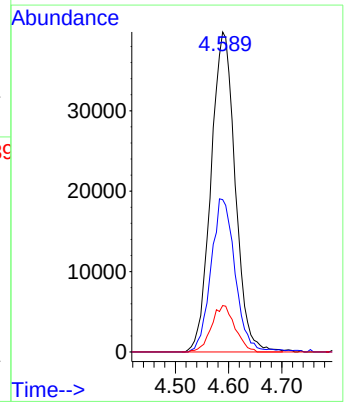


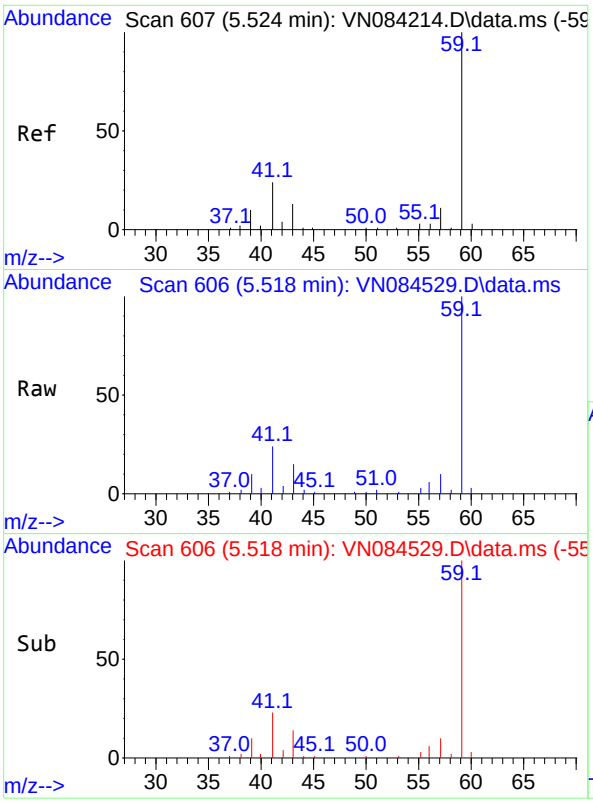


#10
Methyl Iodide
Concen: 50.113 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:142 Resp: 125472

Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.3	52.9
141	14.5	11.0	16.6



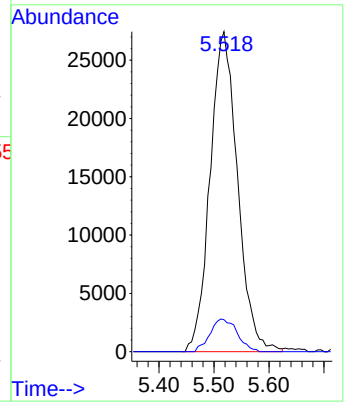


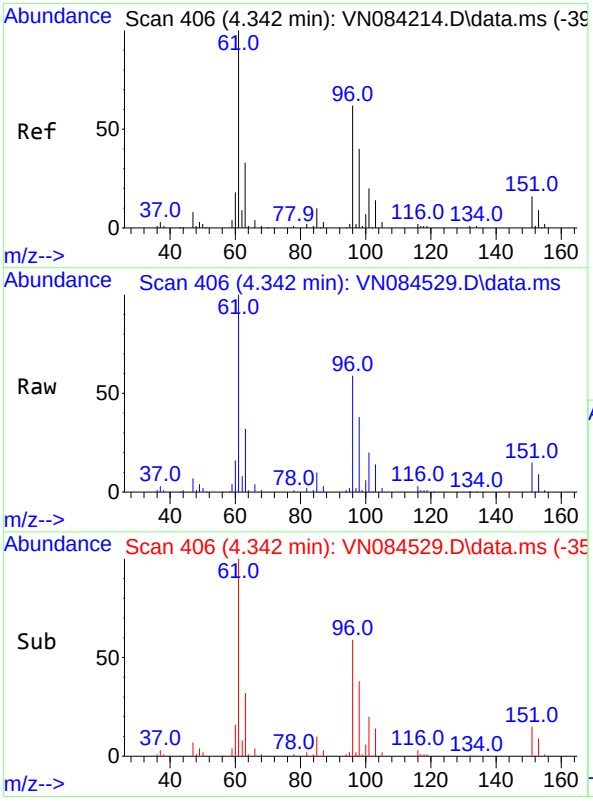
#11
Tert butyl alcohol
Concen: 233.770 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 95192

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

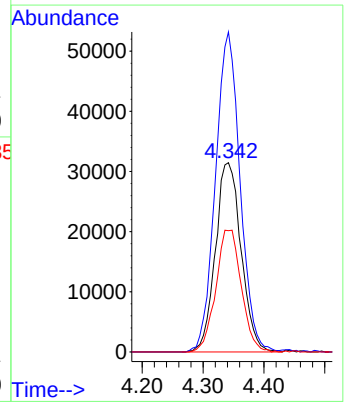


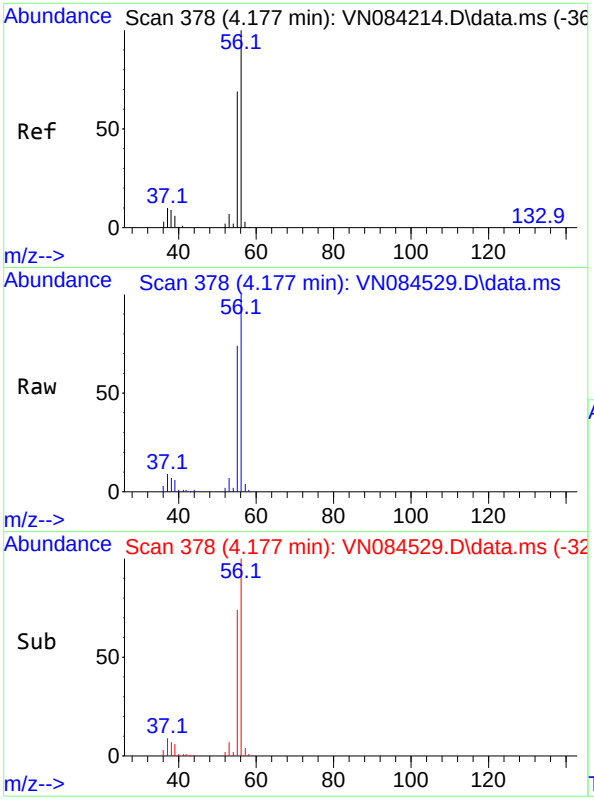


#12
1,1-Dichloroethene
Concen: 49.207 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 96 Resp: 92279

Ion	Ratio	Lower	Upper
96	100		
61	169.0	128.6	192.8
98	64.0	51.7	77.5



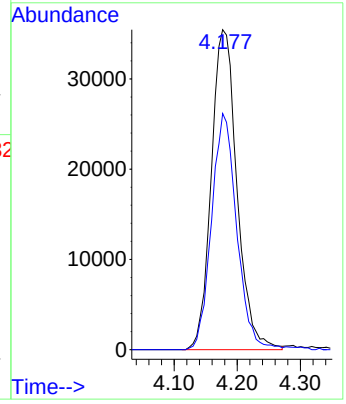


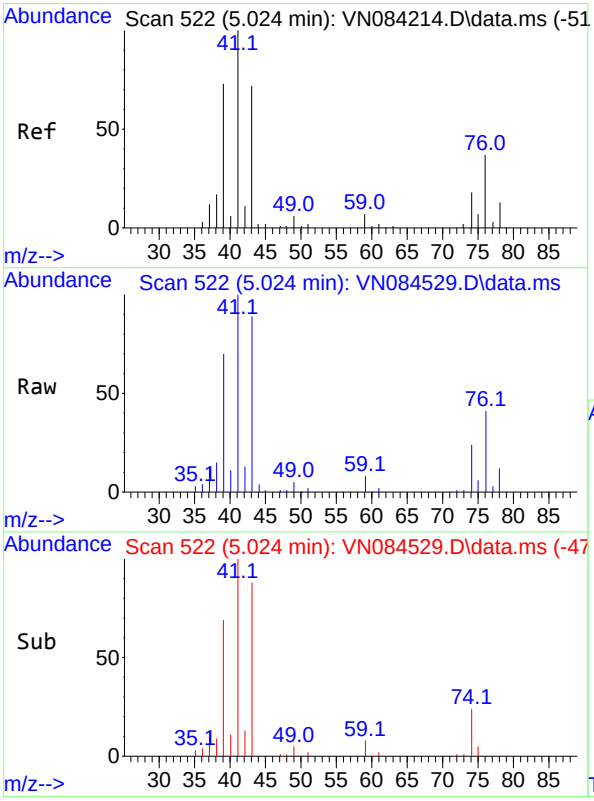
#13
Acrolein
Concen: 214.094 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 100084

Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.2	85.8

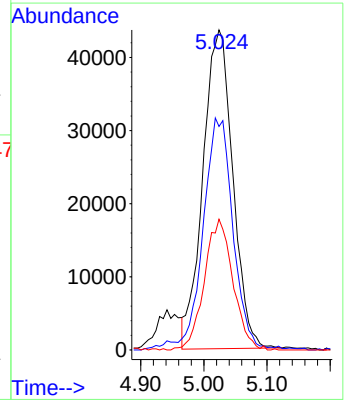


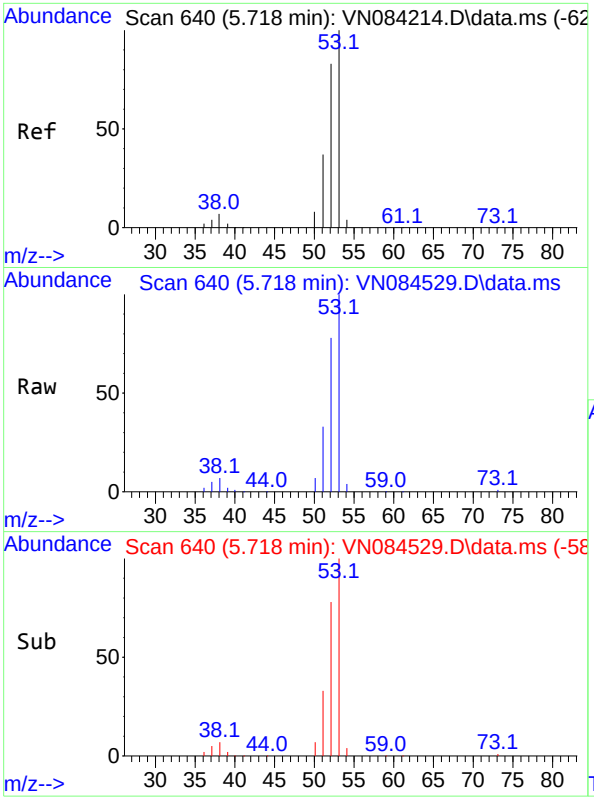


#14
Allyl chloride
Concen: 44.018 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 41 Resp: 143362

Ion	Ratio	Lower	Upper
41	100		
39	73.2	59.0	88.6
76	39.2	29.8	44.6



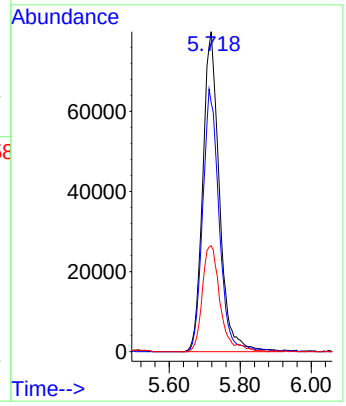


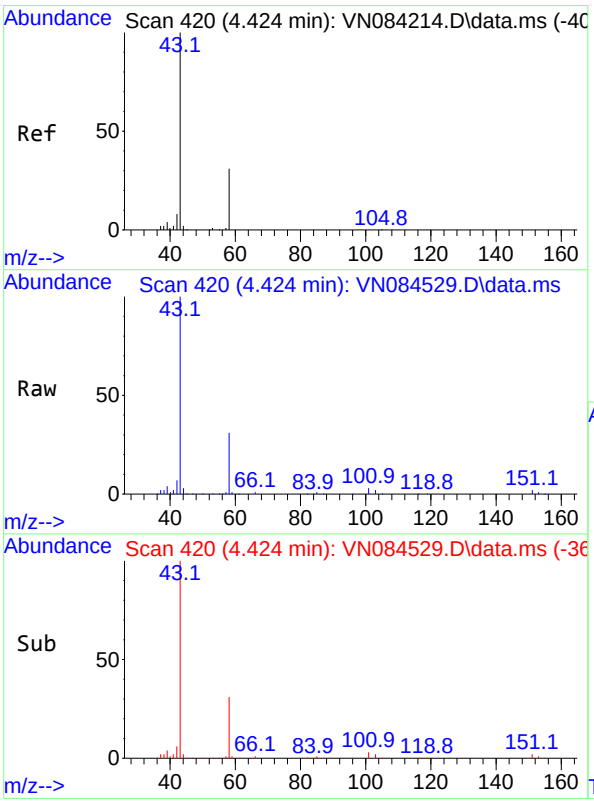
#15
Acrylonitrile
Concen: 253.406 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 260578

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	34.2	28.8	43.2

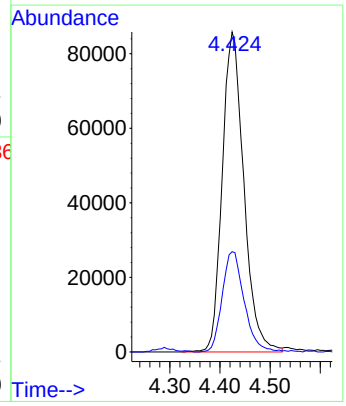


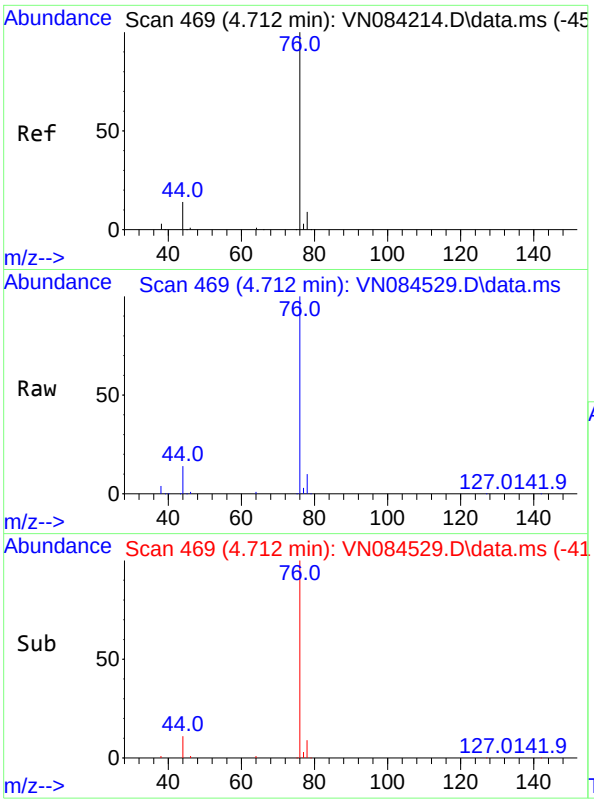


#16
Acetone
Concen: 241.898 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 256618

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.4	36.6



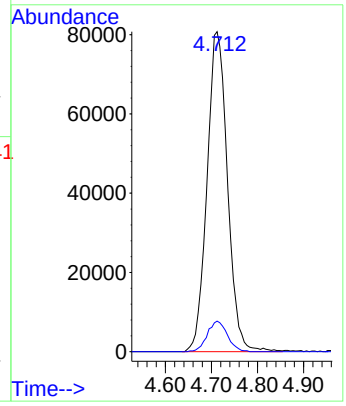


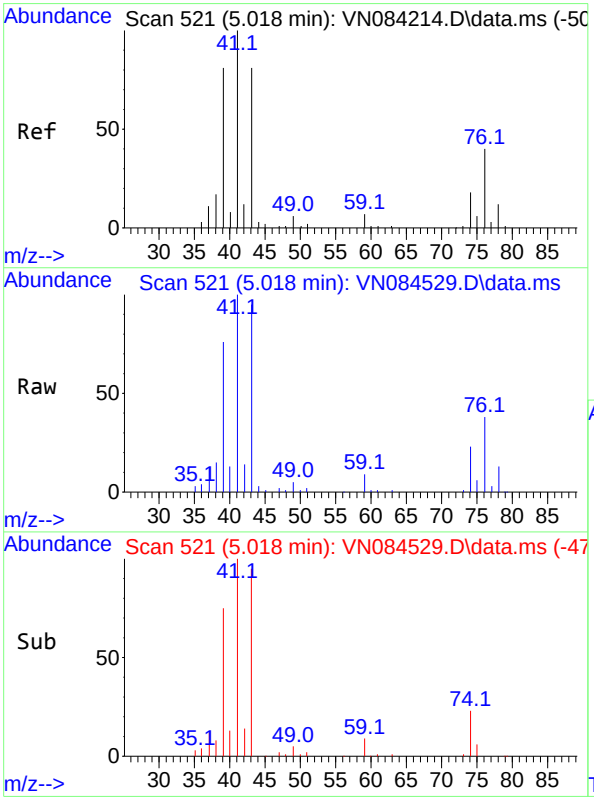
#17
Carbon Disulfide
Concen: 42.104 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 249987

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

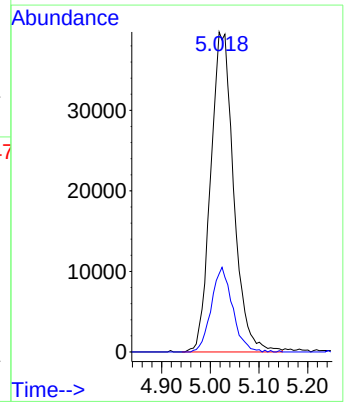


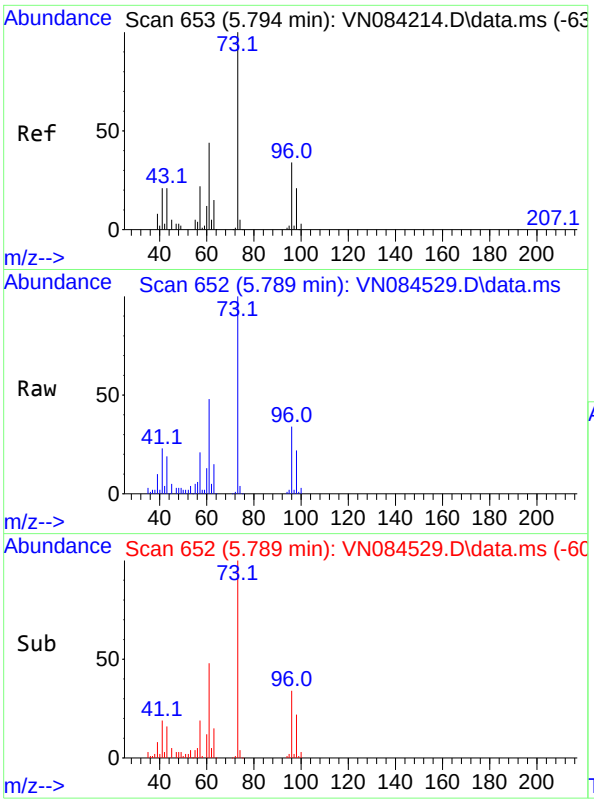


#18
Methyl Acetate
Concen: 56.337 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 130262

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



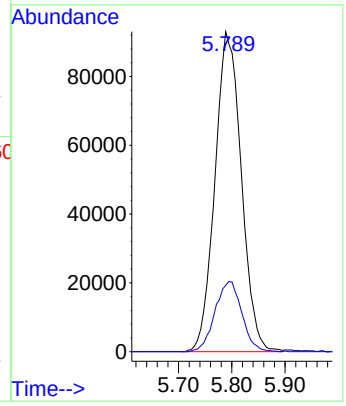


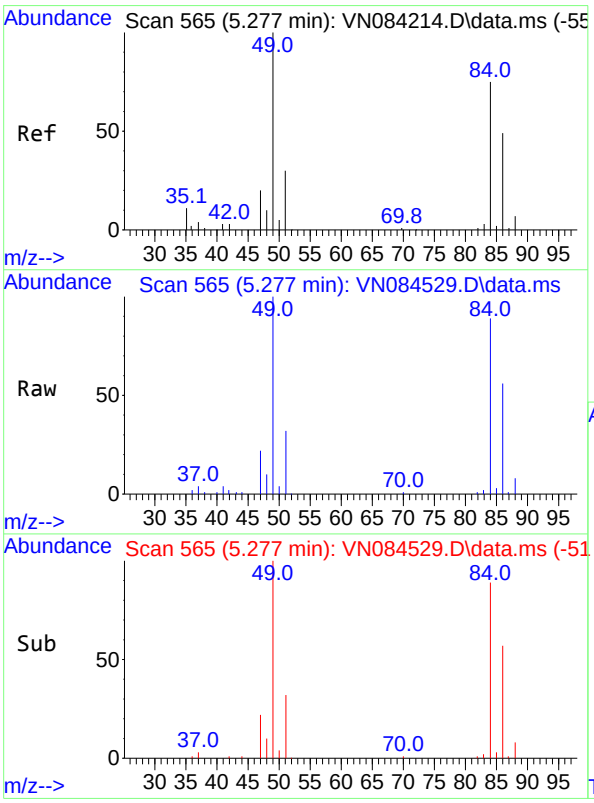
#19
Methyl tert-butyl Ether
Concen: 50.500 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 319640

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

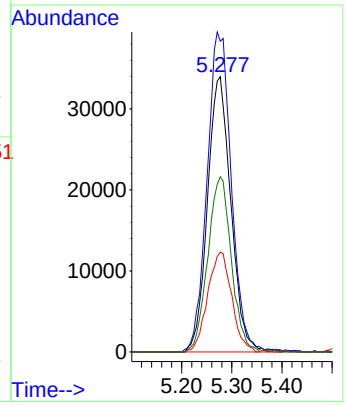


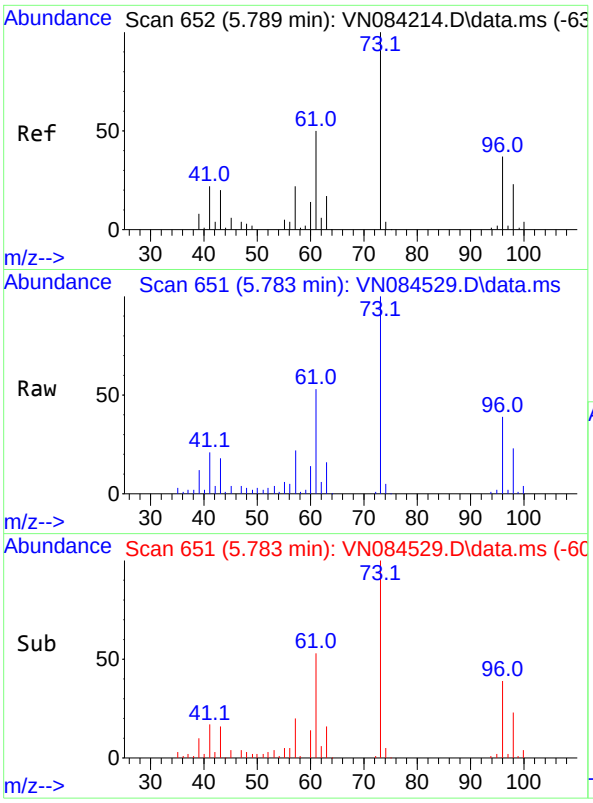


#20
Methylene Chloride
Concen: 51.242 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 84 Resp: 110503

Ion	Ratio	Lower	Upper
84	100		
49	112.9	107.2	160.8
51	36.3	31.8	47.8
86	63.6	52.9	79.3



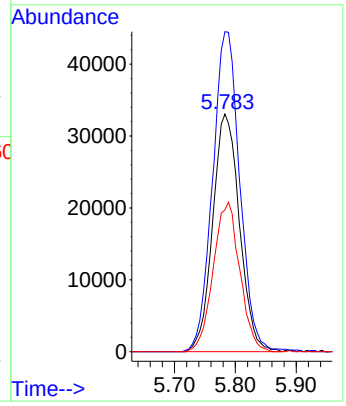


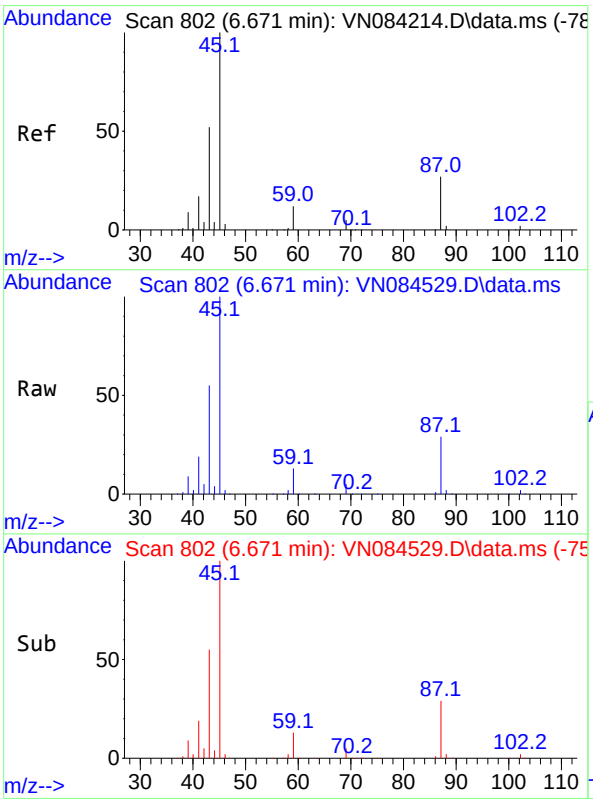
#21
trans-1,2-Dichloroethene
Concen: 51.425 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 101035

Ion	Ratio	Lower	Upper
96	100		
61	134.6	108.4	162.6
98	59.7	49.8	74.8

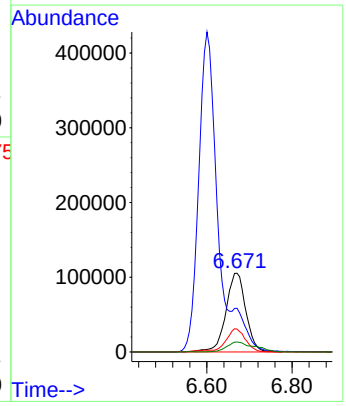


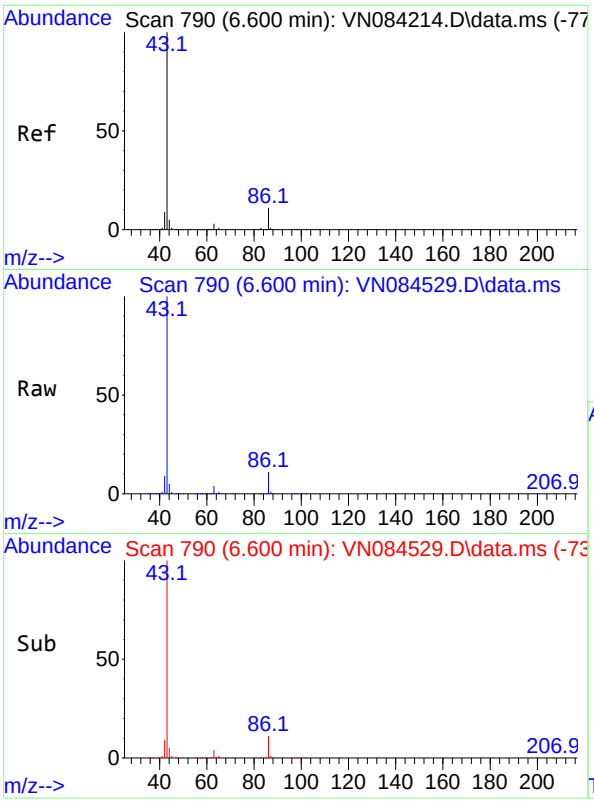


#22
Diisopropyl ether
Concen: 50.724 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 45 Resp: 341716

Ion	Ratio	Lower	Upper
45	100		
43	54.6	42.3	63.5
87	29.2	21.8	32.6
59	12.5	9.6	14.4



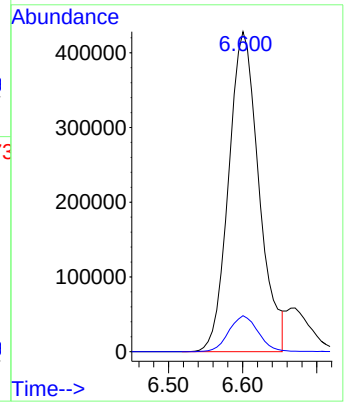


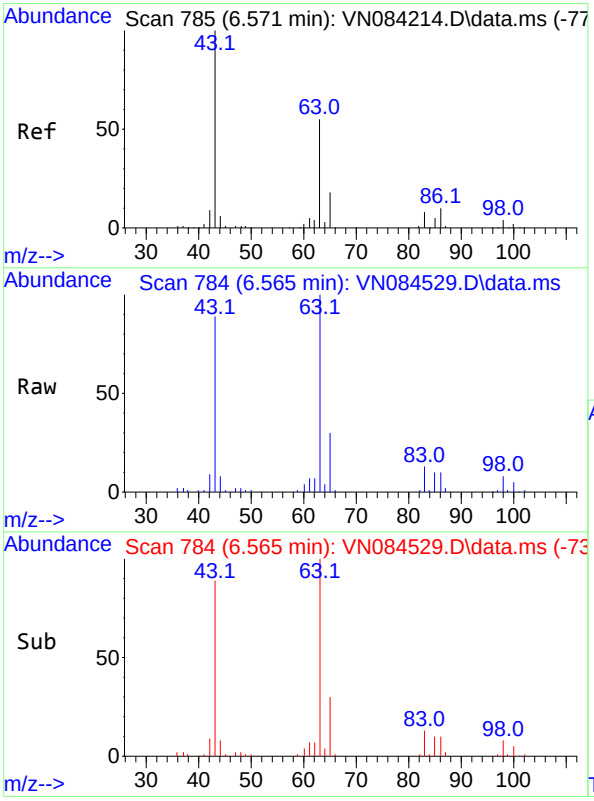
#23
Vinyl Acetate
Concen: 243.938 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1218866

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

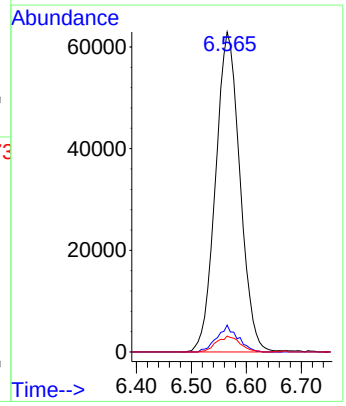


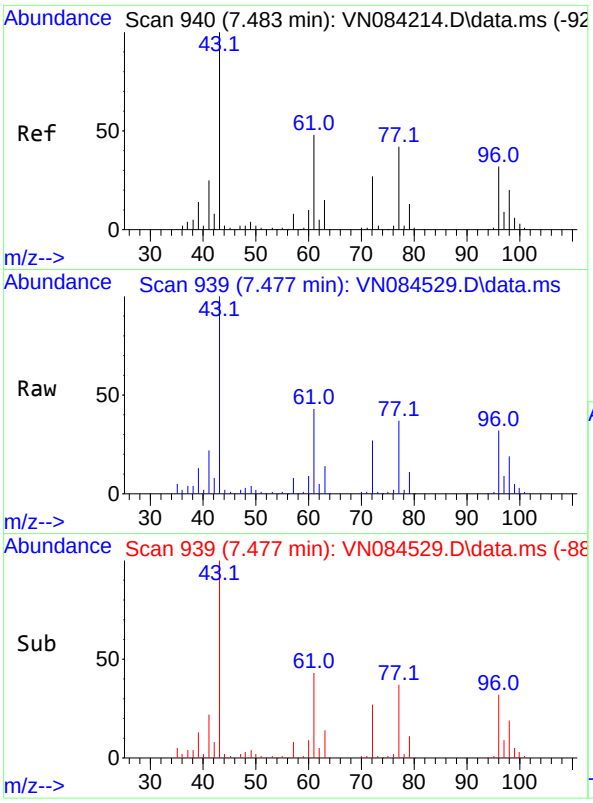


#24
1,1-Dichloroethane
Concen: 51.442 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 63 Resp: 193799

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.4	10.2
100	4.9	2.0	5.8



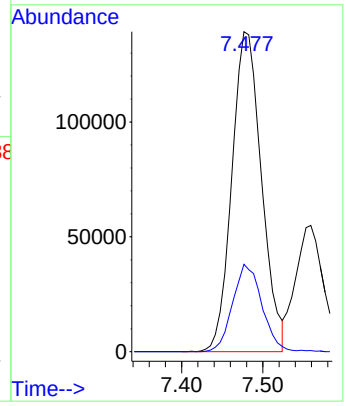


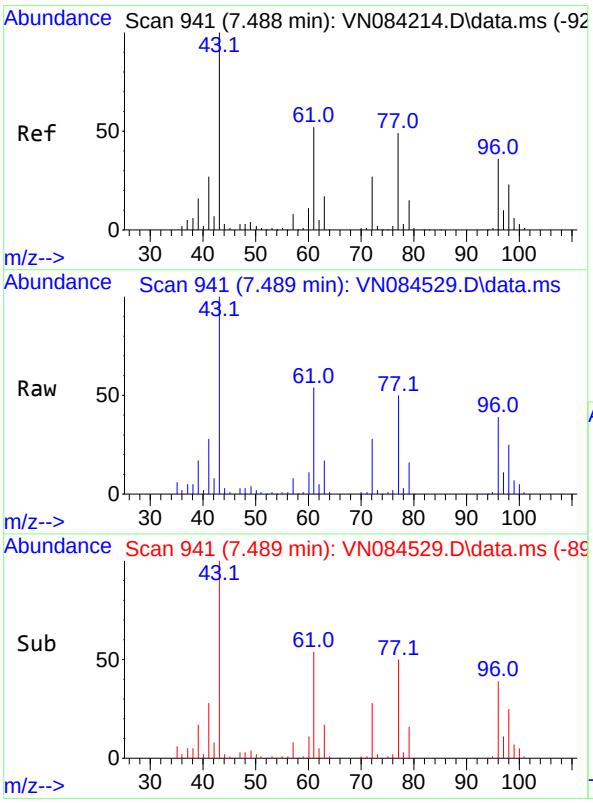
#25
2-Butanone
Concen: 244.937 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 353909

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.4	32.2

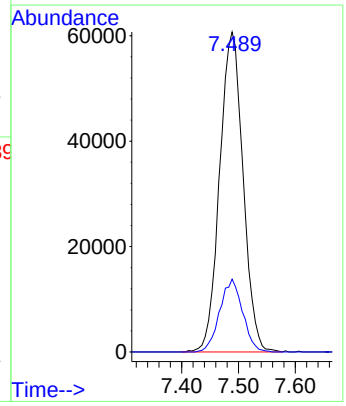


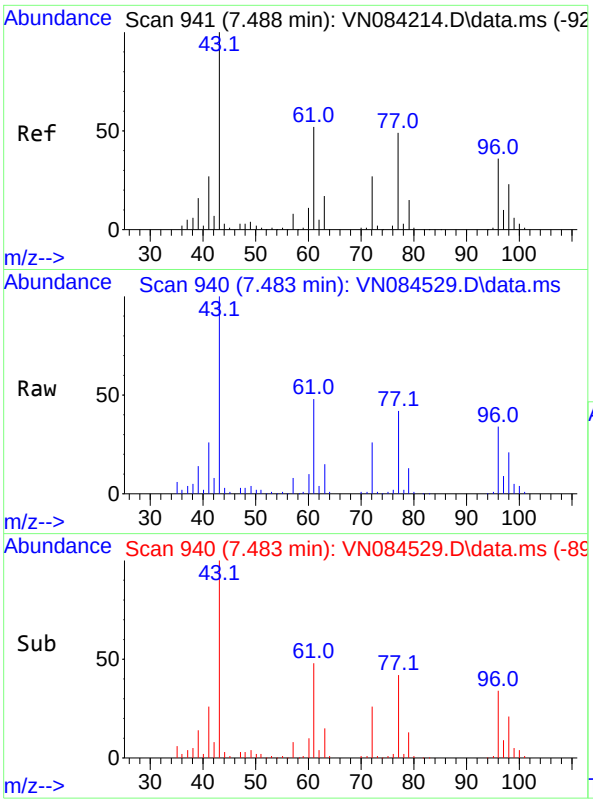


#26
2,2-Dichloropropane
Concen: 51.129 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 77 Resp: 173677

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



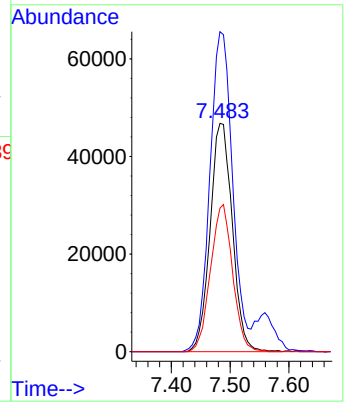


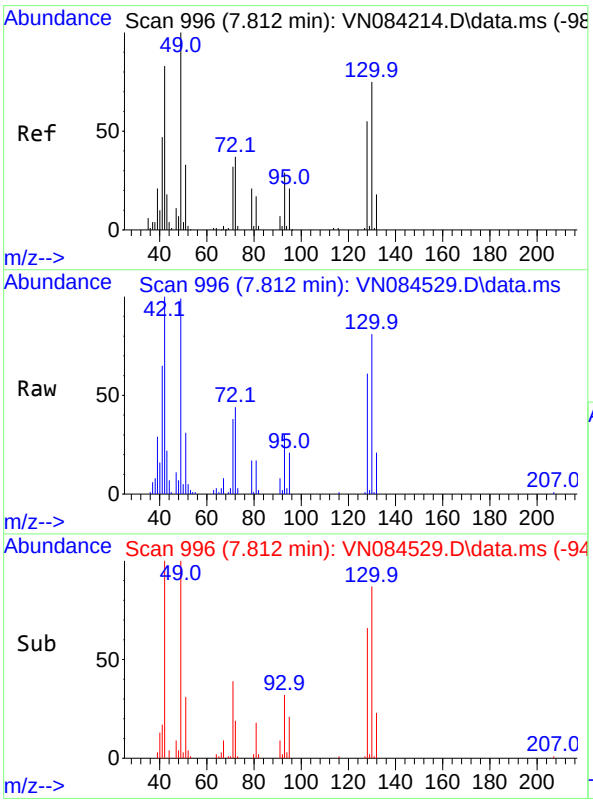
#27
cis-1,2-Dichloroethene
Concen: 51.870 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 123148

Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	301.8
98	64.0	0.0	128.2

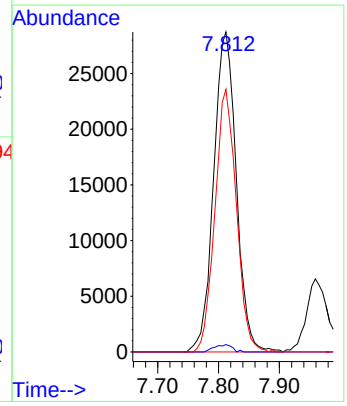


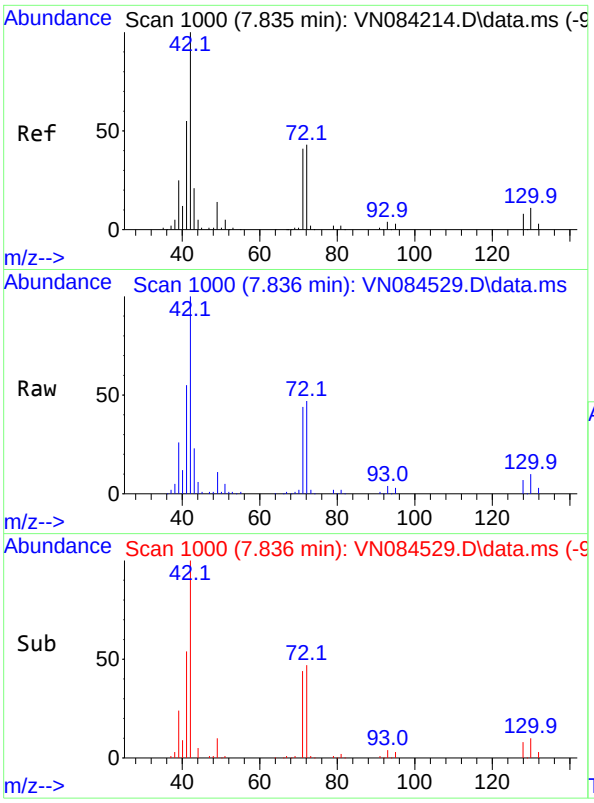


#28
Bromochloromethane
Concen: 44.125 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 49 Resp: 74170

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	77.8	58.0	87.0



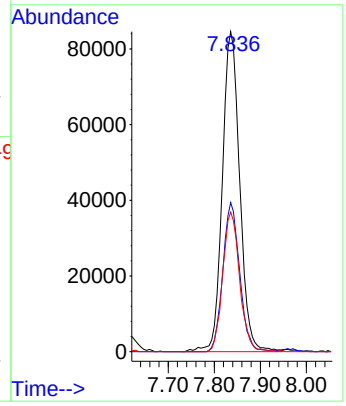


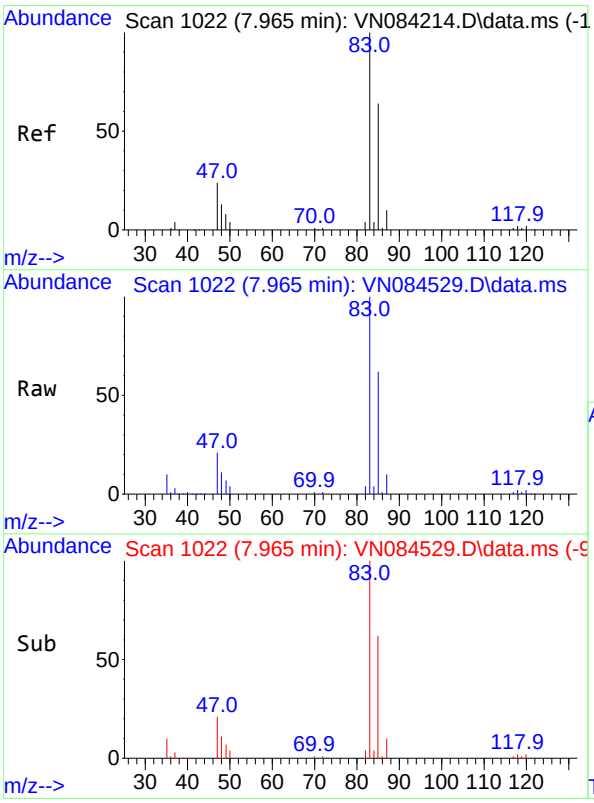
#29
Tetrahydrofuran
Concen: 248.023 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 221155

Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	42.3	32.2	48.4

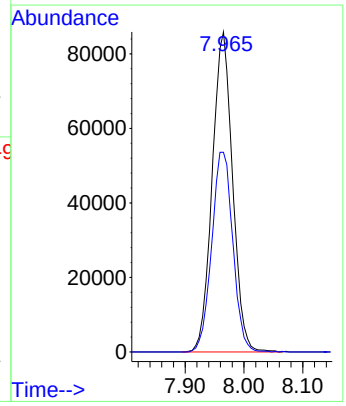


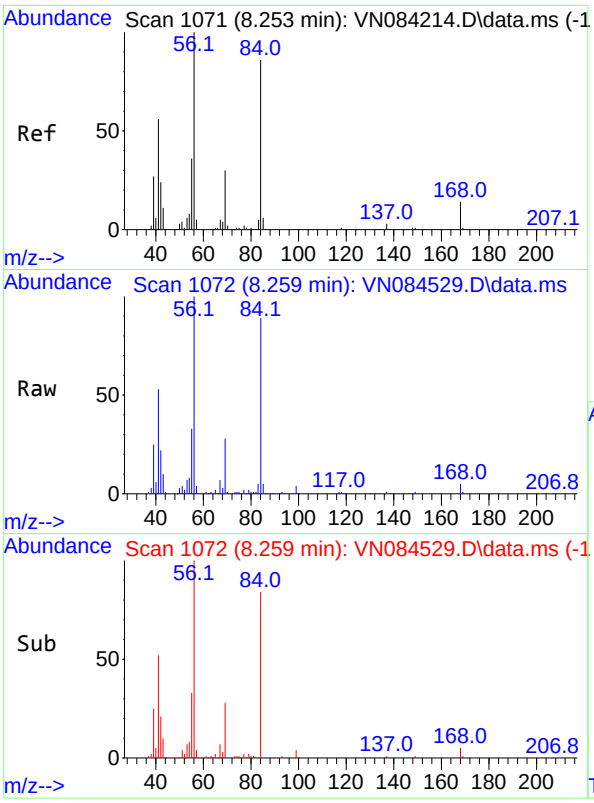


#30
Chloroform
Concen: 52.667 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 83 Resp: 206104

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.4



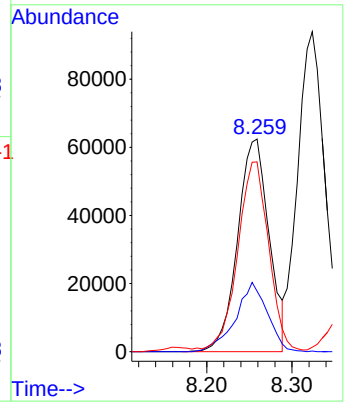


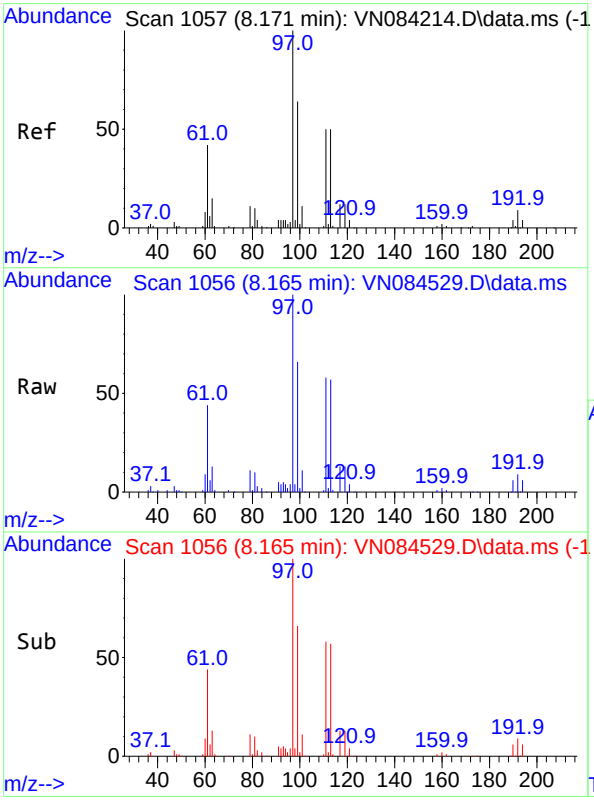
#31
Cyclohexane
Concen: 43.789 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 160173

Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.8	35.6
84	87.5	68.8	103.2

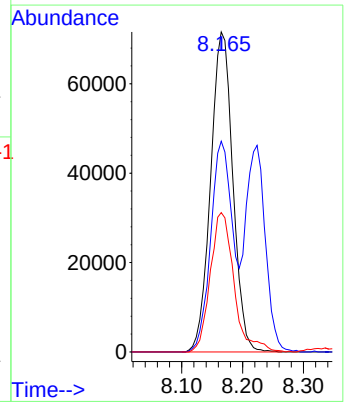


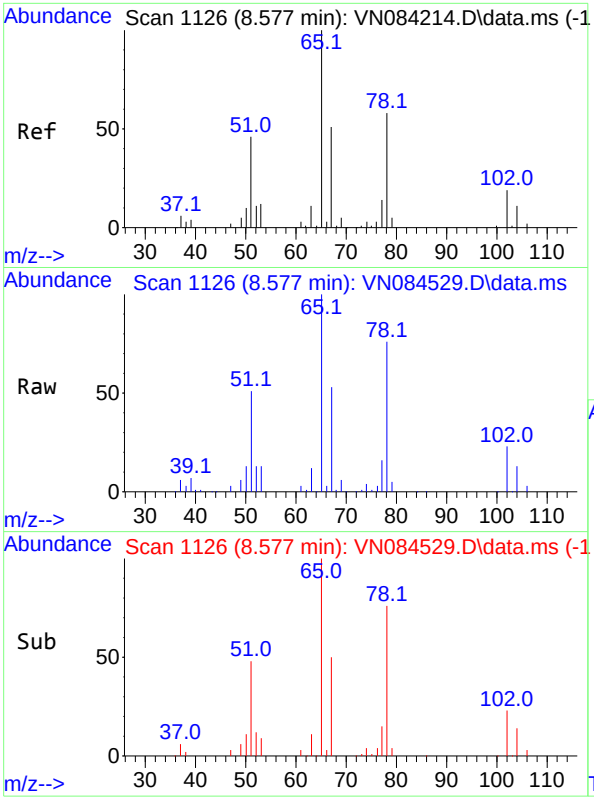


#32
1,1,1-Trichloroethane
Concen: 51.539 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 97 Resp: 181138

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	46.7	37.5	56.3



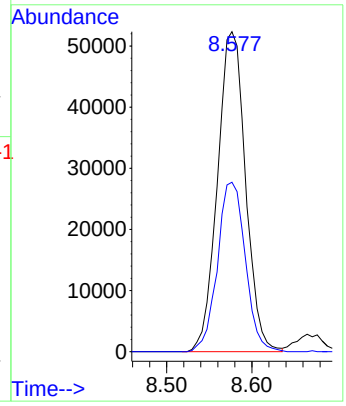


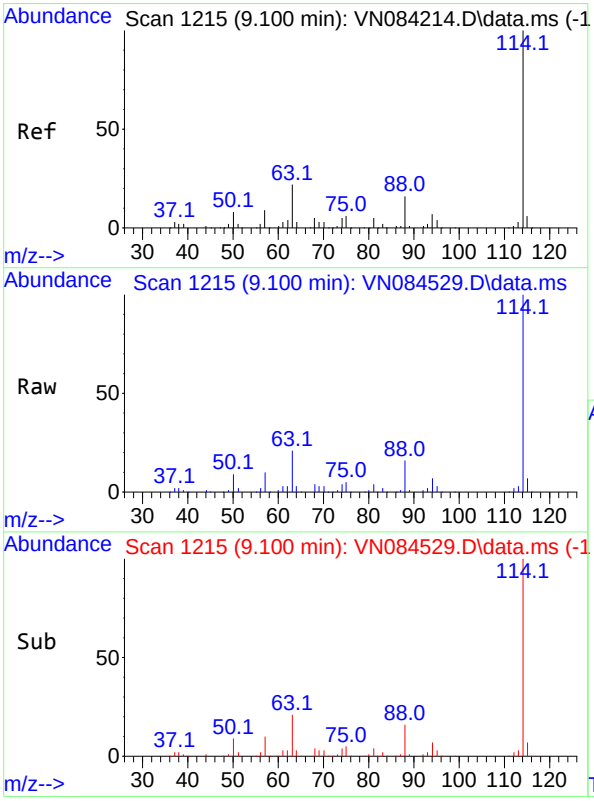
#33
1,2-Dichloroethane-d4
Concen: 48.647 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 120134

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0

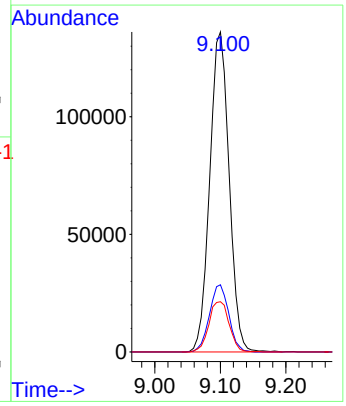


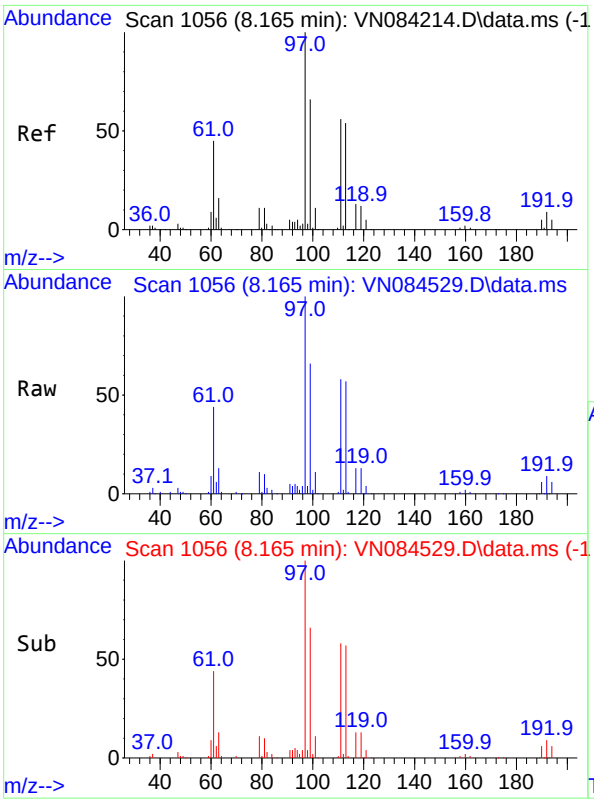


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:114 Resp: 279237

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	15.7	0.0	31.6



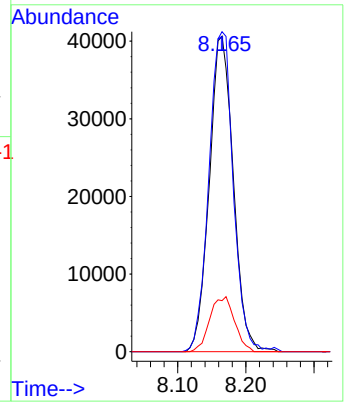


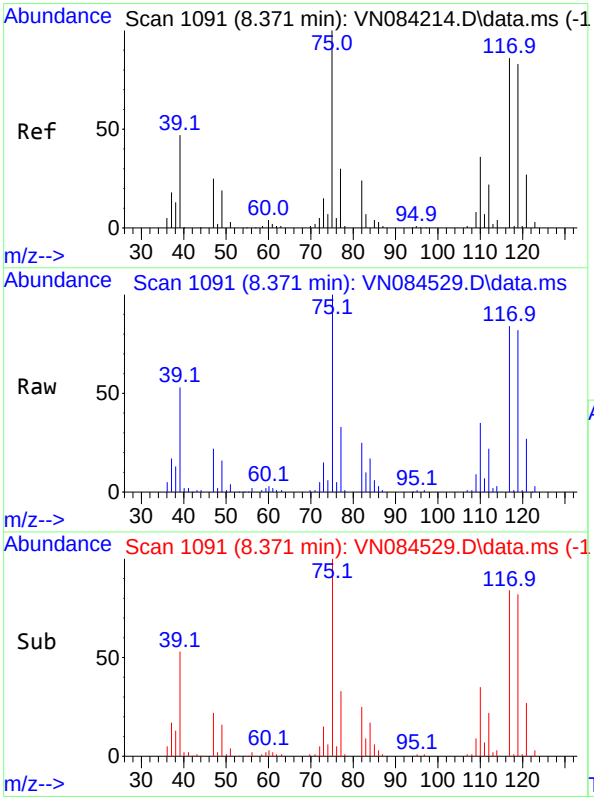
#35
Dibromofluoromethane
Concen: 54.074 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 99545

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.0	13.5	20.3

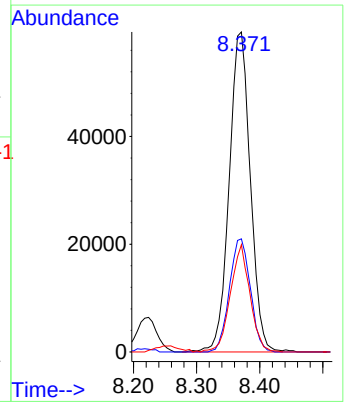


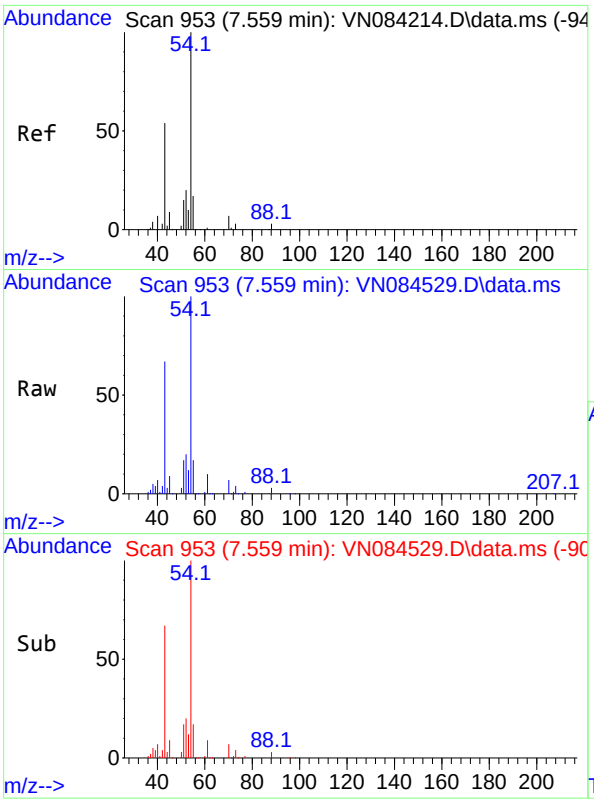


#36
1,1-Dichloropropene
Concen: 51.657 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 138130

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	31.1	24.7	37.1



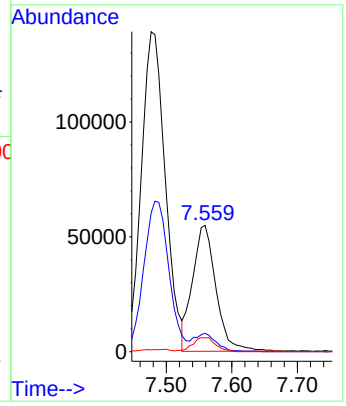


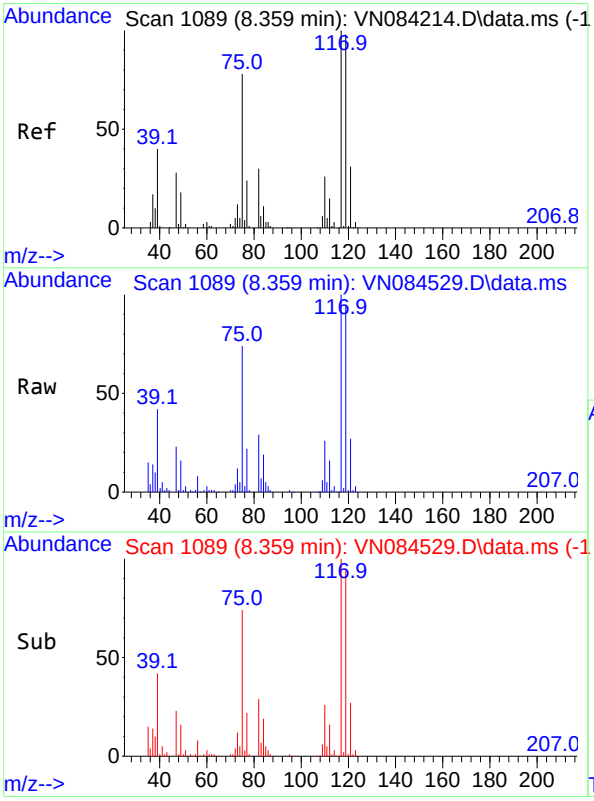
#37
Ethyl Acetate
Concen: 49.664 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 136243

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	11.0	8.8	13.2

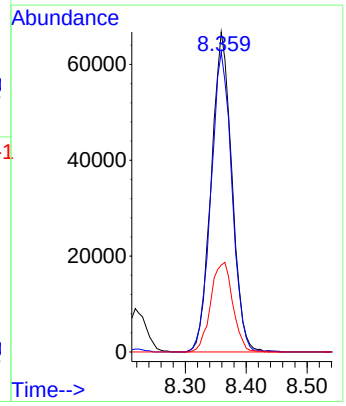


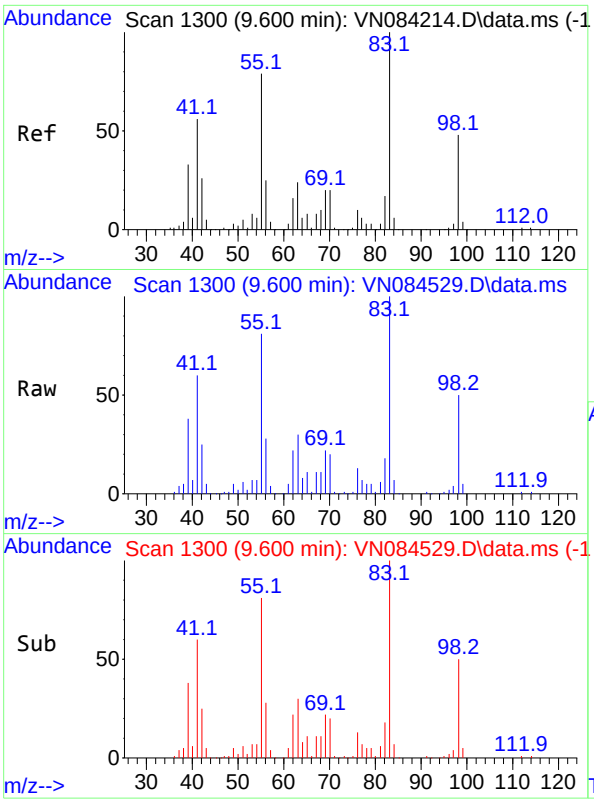


#38
Carbon Tetrachloride
Concen: 53.573 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:117 Resp: 157140

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.7	118.1
121	27.1	24.4	36.6



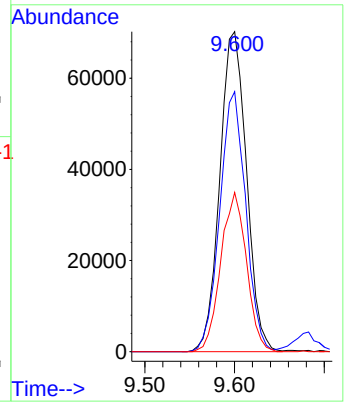


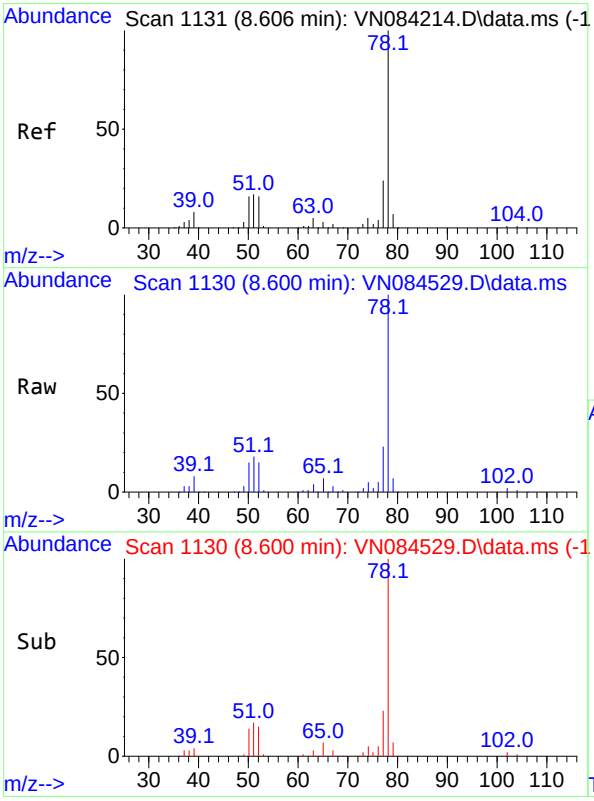
#39
Methylcyclohexane
Concen: 48.754 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 145094

Ion	Ratio	Lower	Upper
83	100		
55	81.2	62.8	94.2
98	49.8	38.8	58.2

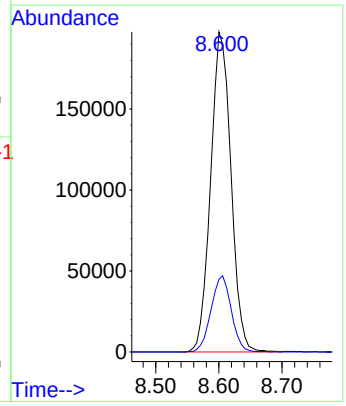


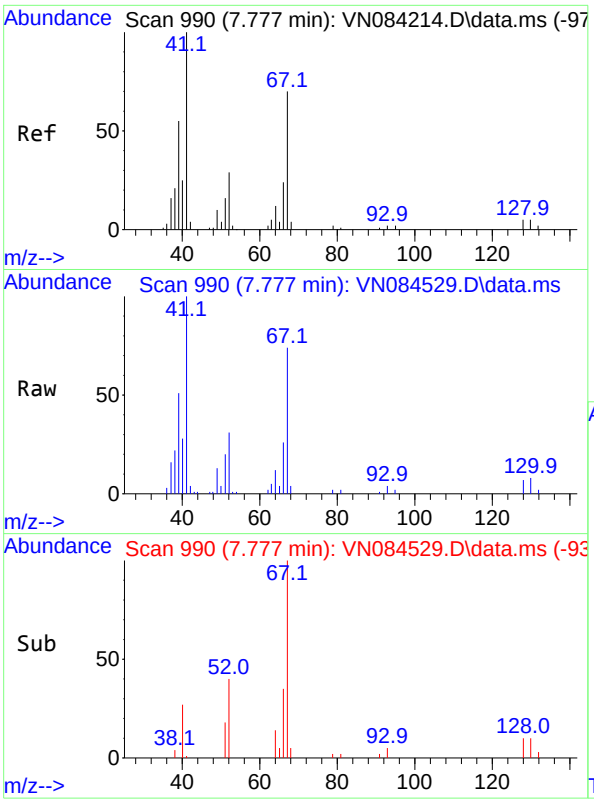


#40
Benzene
Concen: 53.118 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 78 Resp: 442533

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7



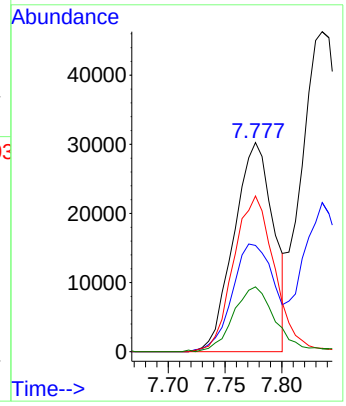


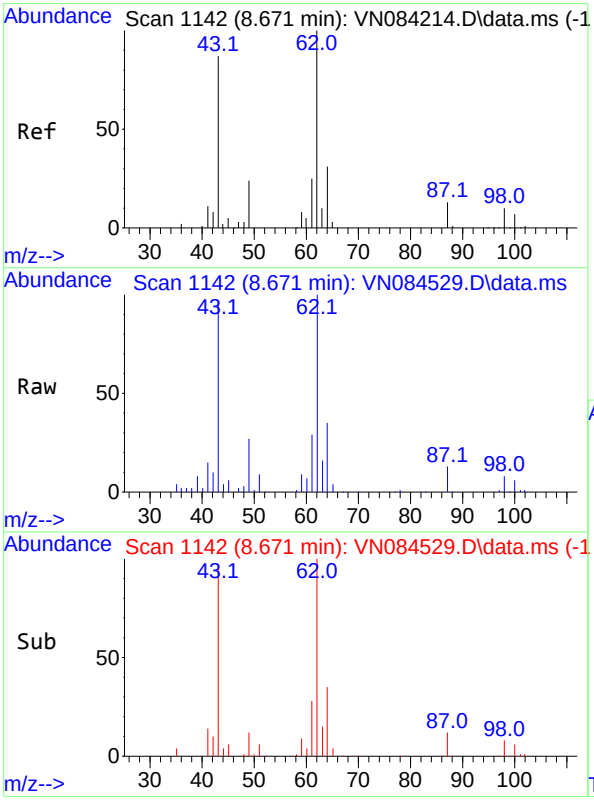
#41
Methacrylonitrile
Concen: 49.298 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 73419

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.3	64.9
67	77.2	56.1	84.1
52	33.7	24.5	36.7

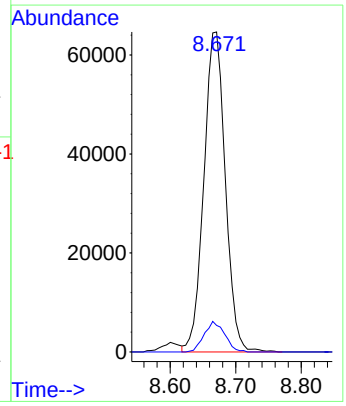


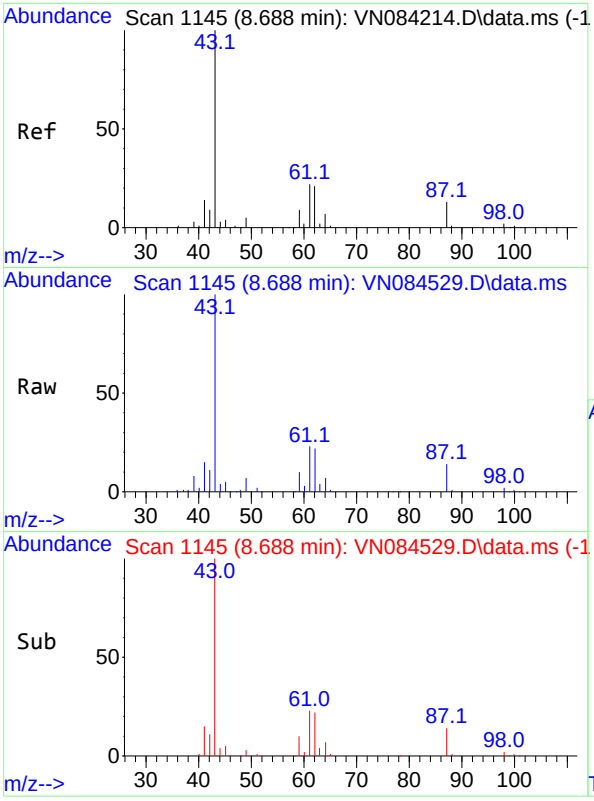


#42
1,2-Dichloroethane
Concen: 52.174 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 62 Resp: 147360

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



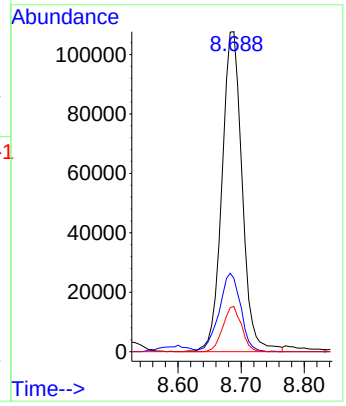


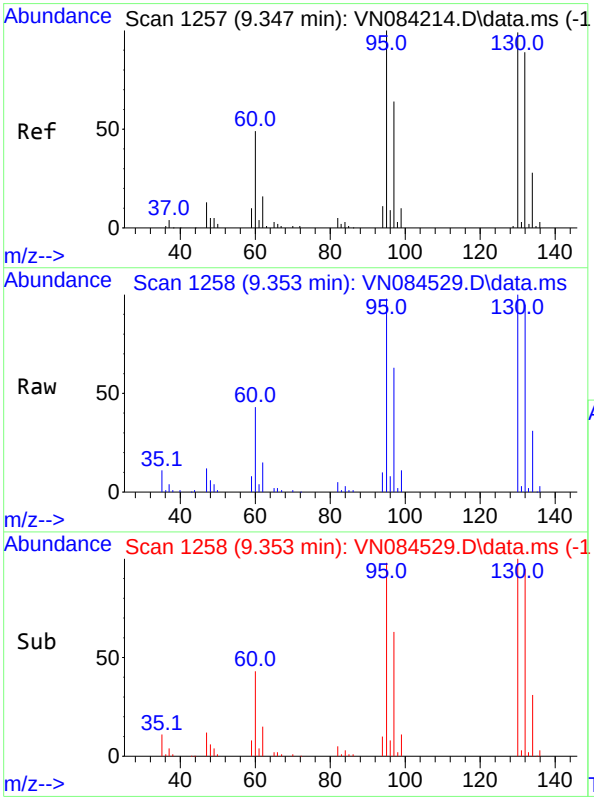
#43
Isopropyl Acetate
Concen: 44.533 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 239287

Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.4	30.6
87	13.0	10.3	15.5

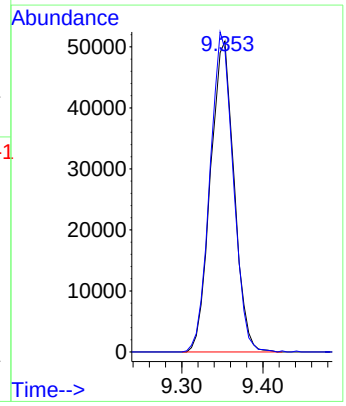


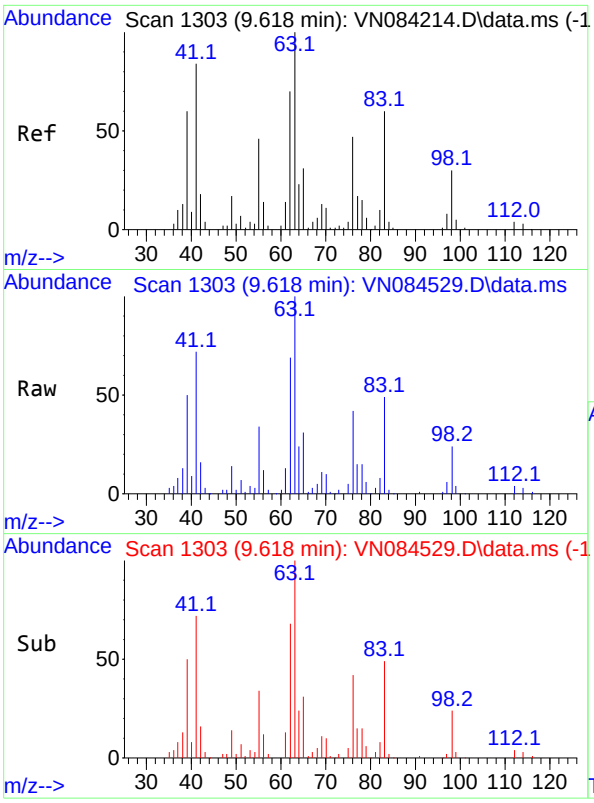


#44
Trichloroethene
Concen: 52.851 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:130 Resp: 102839

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	203.0



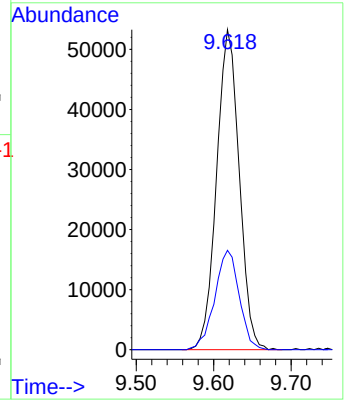


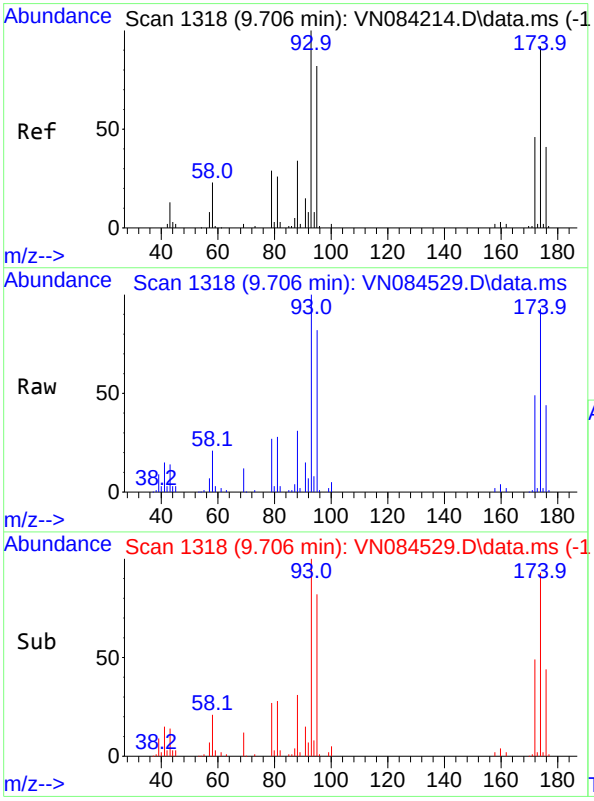
#45
1,2-Dichloropropane
Concen: 54.856 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 108113

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	37.0

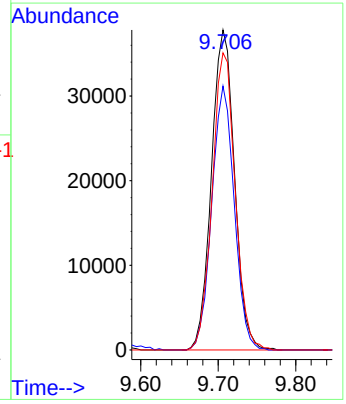


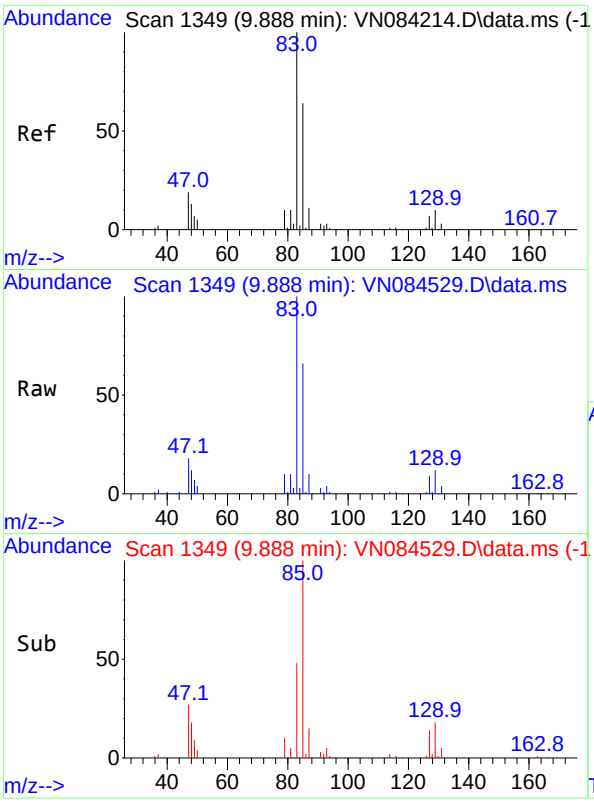


#46
Dibromomethane
Concen: 58.923 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 93 Resp: 78367

Ion	Ratio	Lower	Upper
93	100		
95	80.3	65.0	97.4
174	92.5	71.8	107.8



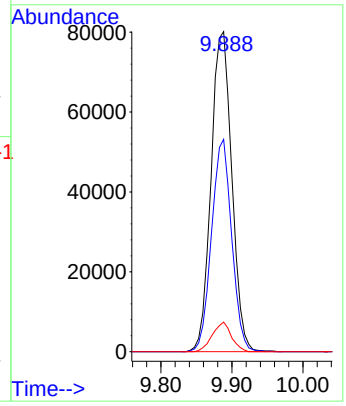


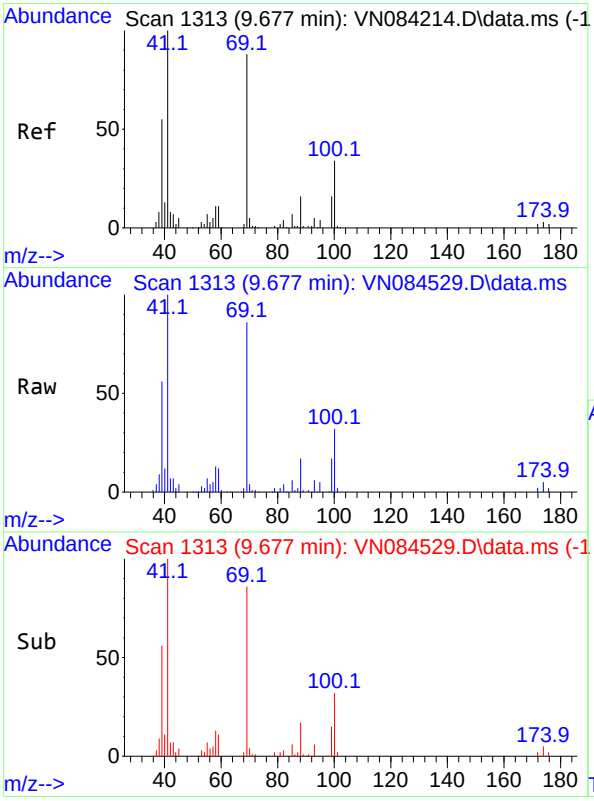
#47
Bromodichloromethane
Concen: 54.959 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 162397

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	9.3	5.7	8.5#

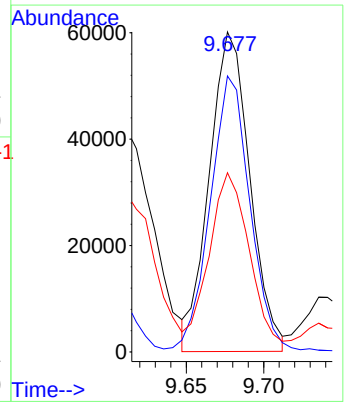


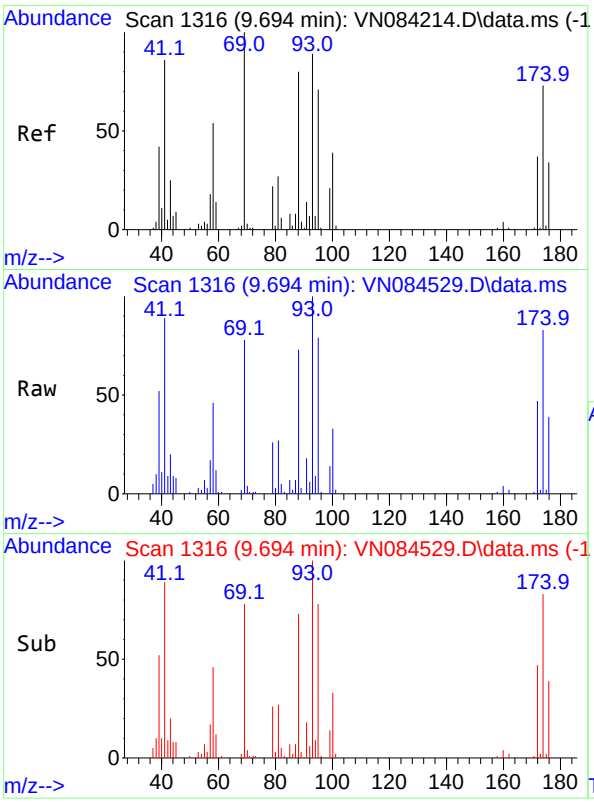


#48
Methyl methacrylate
Concen: 51.072 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 41 Resp: 109240

Ion	Ratio	Lower	Upper
41	100		
69	85.7	67.1	100.7
39	56.7	45.8	68.6



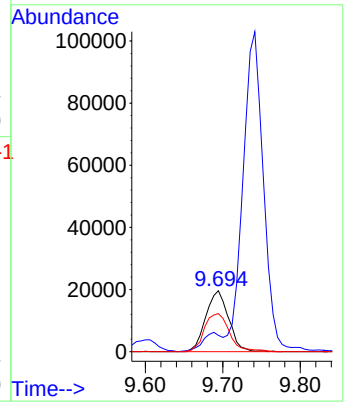


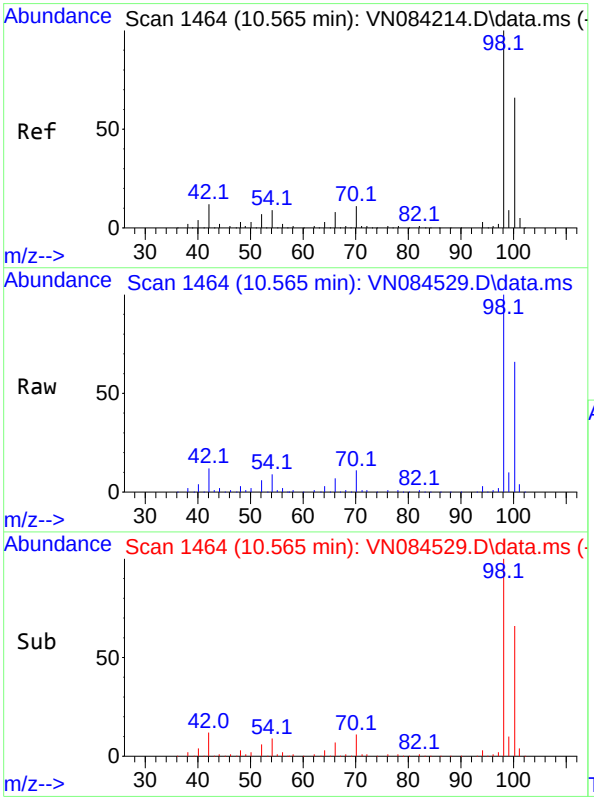
#49
1,4-Dioxane
Concen: 1018.632 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 40112

Ion	Ratio	Lower	Upper
88	100		
43	26.9	25.3	37.9
58	69.0	56.4	84.6

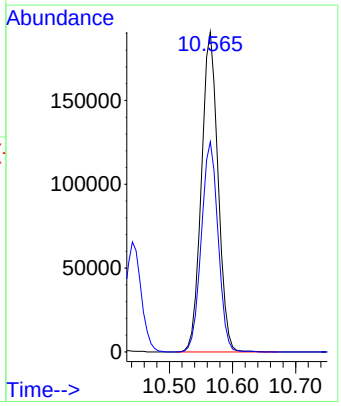


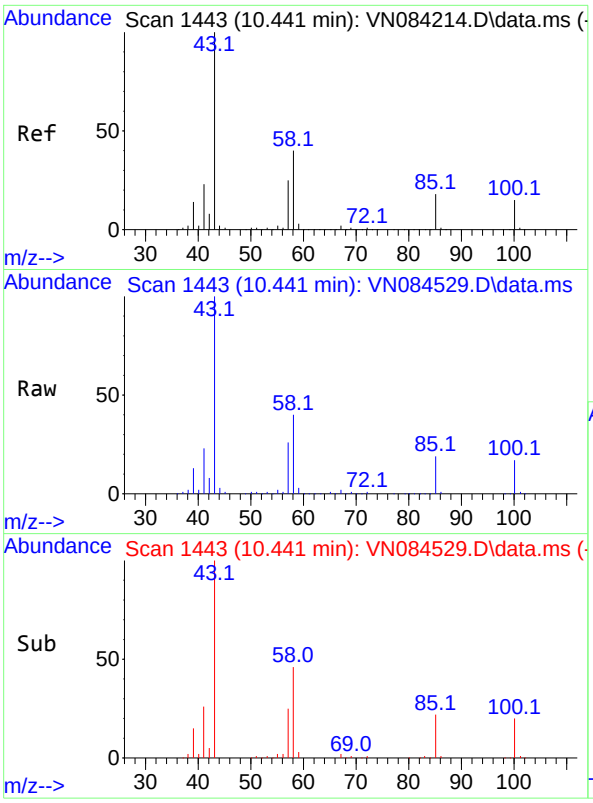


#50
Toluene-d8
Concen: 51.331 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 98 Resp: 347657

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1



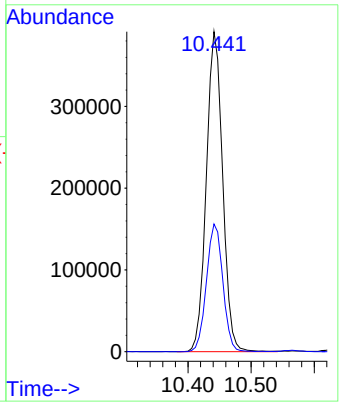


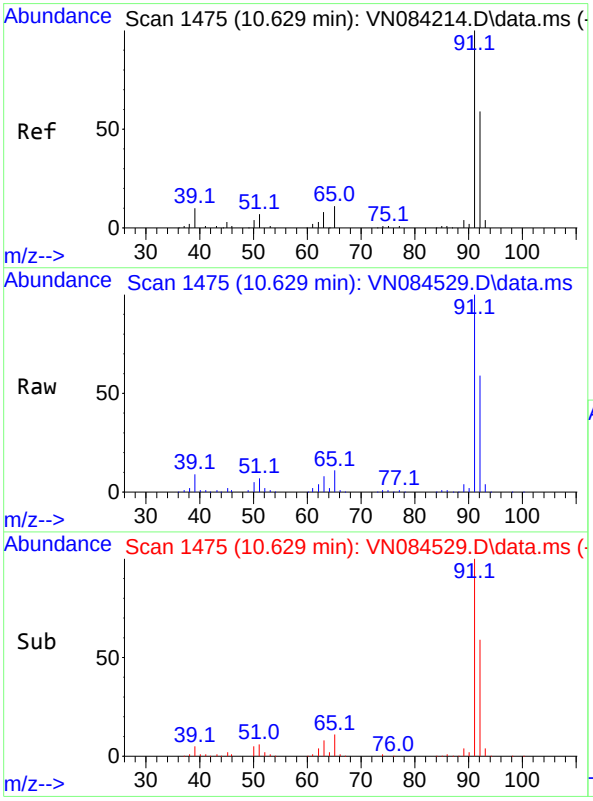
#51
4-Methyl-2-Pentanone
Concen: 268.706 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 701721

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

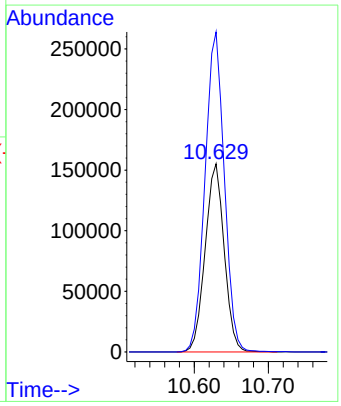


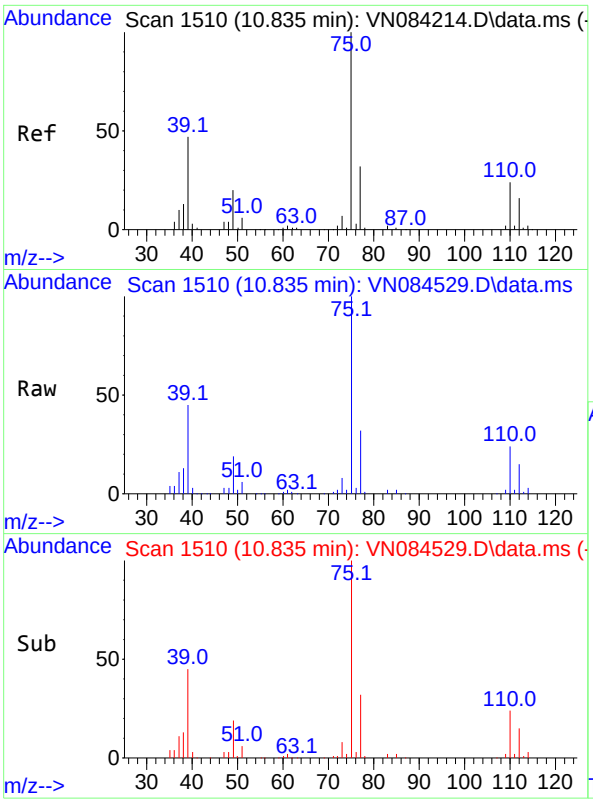


#52
Toluene
Concen: 54.461 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 92 Resp: 276685

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.3	205.9



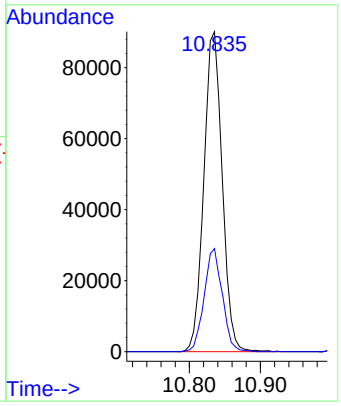


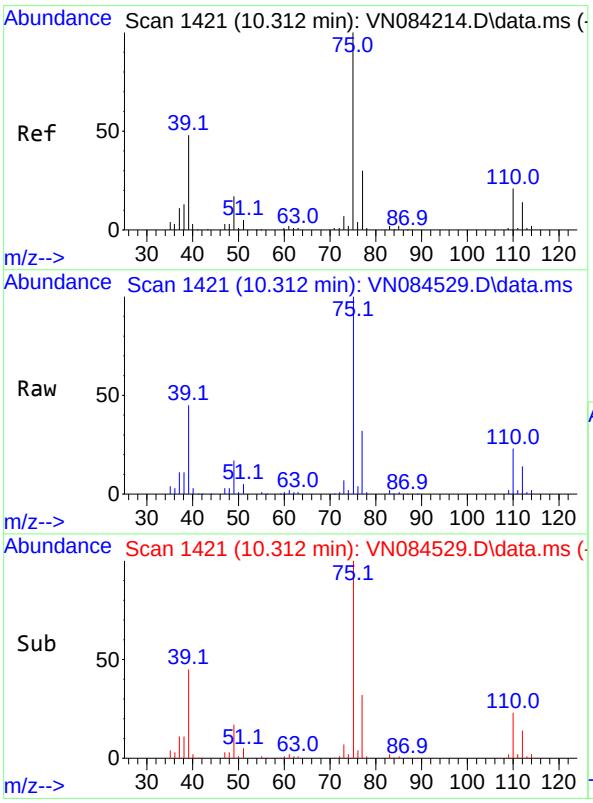
#53
t-1,3-Dichloropropene
Concen: 53.765 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 161941

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

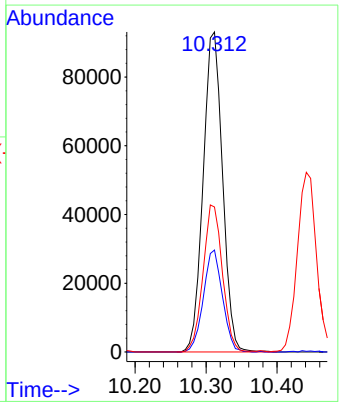


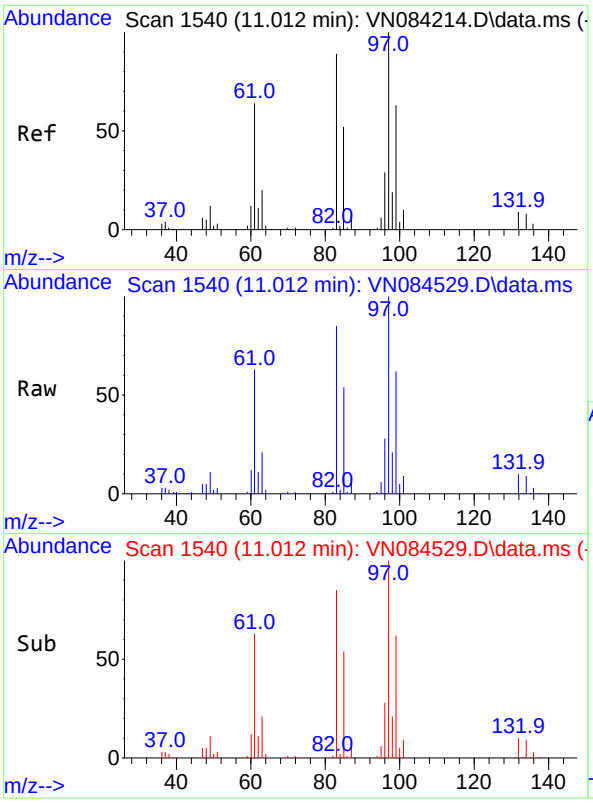


#54
cis-1,3-Dichloropropene
Concen: 54.508 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 176595

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2
39	45.3	38.7	58.1



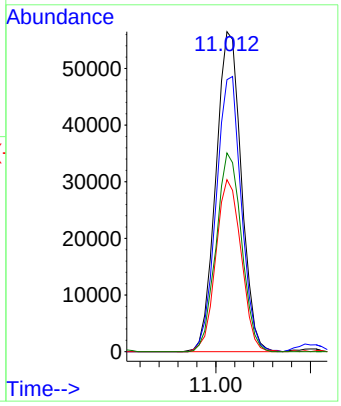


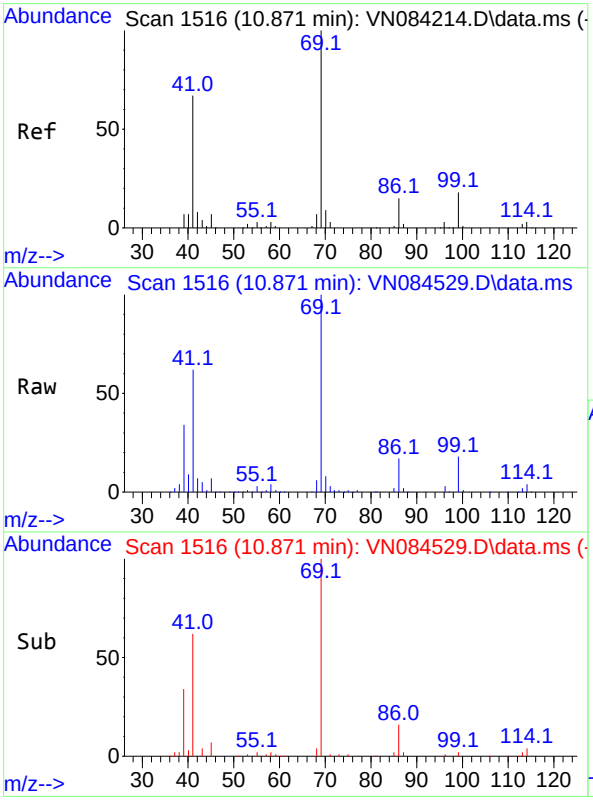
#55
1,1,2-Trichloroethane
Concen: 57.934 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 105513

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	53.8	41.7	62.5
99	62.1	50.1	75.1

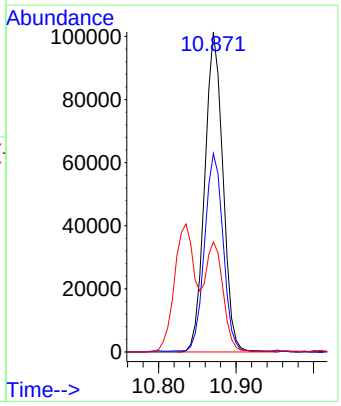


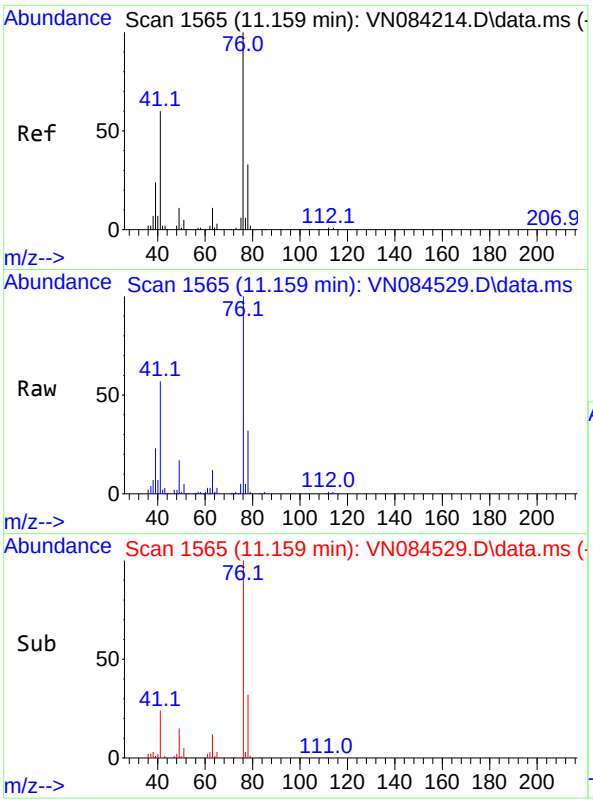


#56
Ethyl methacrylate
Concen: 55.041 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 69 Resp: 164948

Ion	Ratio	Lower	Upper
69	100		
41	62.8	53.3	79.9
39	33.2	28.8	43.2



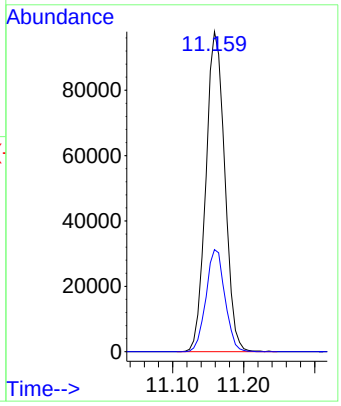


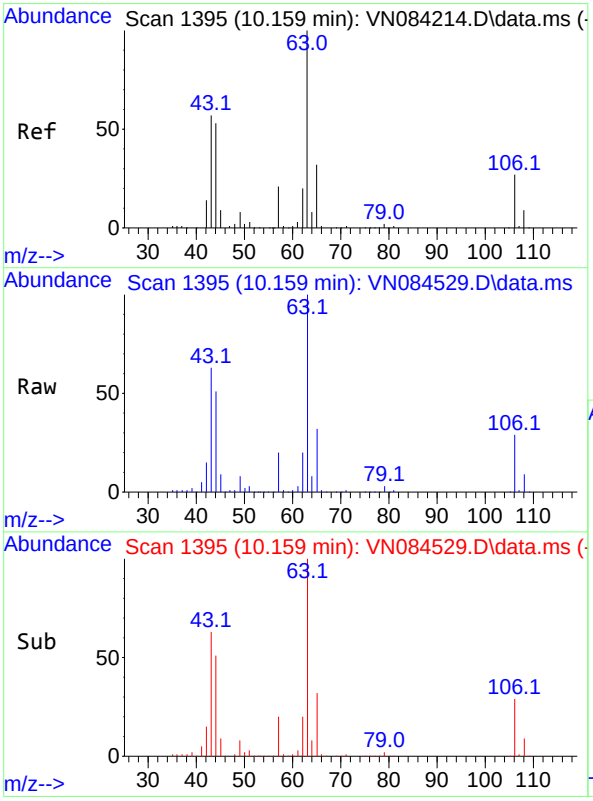
#57
1,3-Dichloropropane
Concen: 55.445 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 180439

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

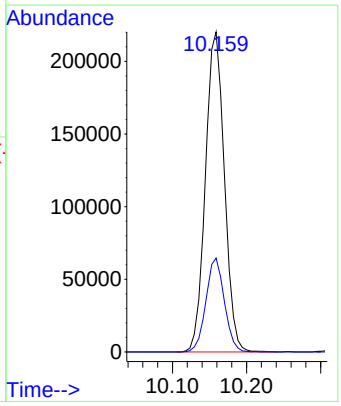


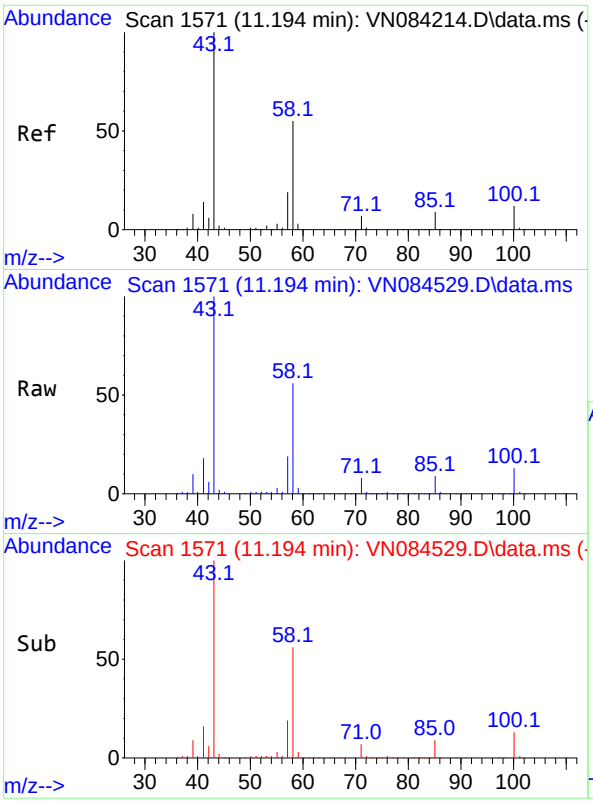


#58
2-Chloroethyl Vinyl ether
Concen: 281.550 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 63 Resp: 391410

Ion	Ratio	Lower	Upper
63	100		
106	28.6	21.8	32.6



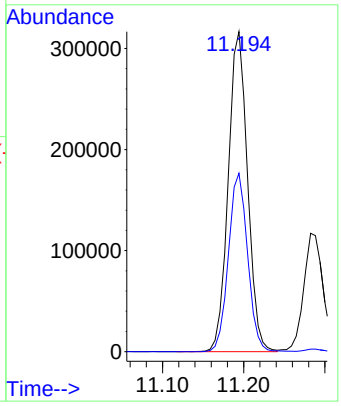


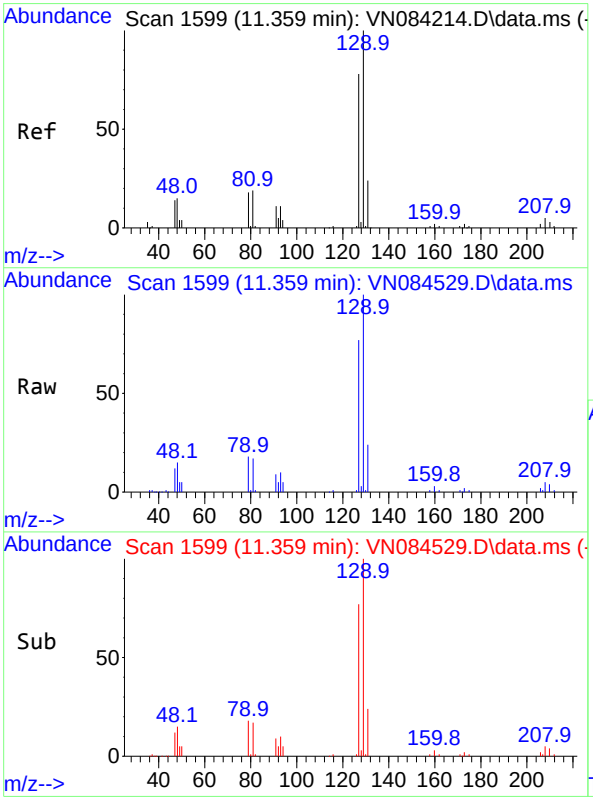
#59
2-Hexanone
Concen: 267.109 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 521359

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8

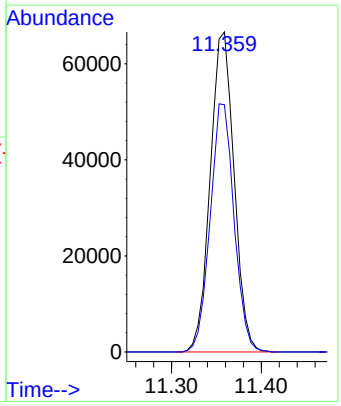


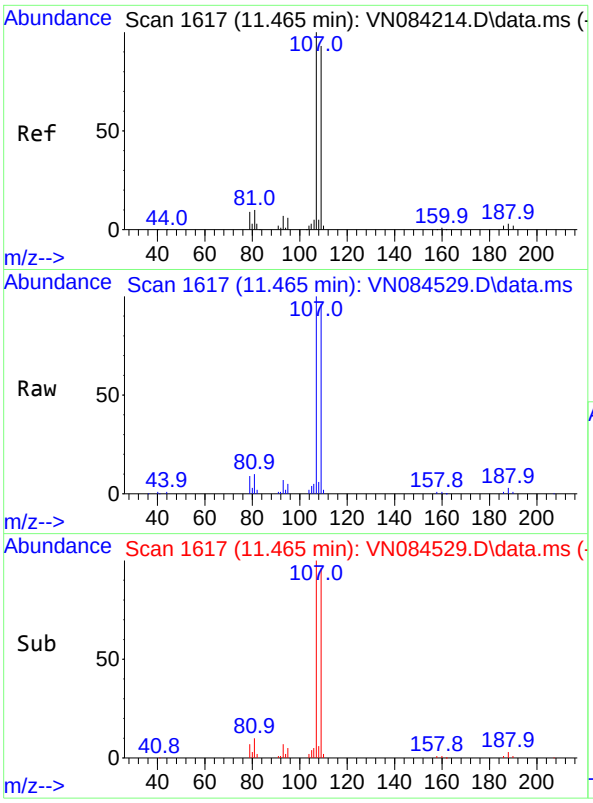


#60
Dibromochloromethane
Concen: 57.189 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:129 Resp: 123065

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9



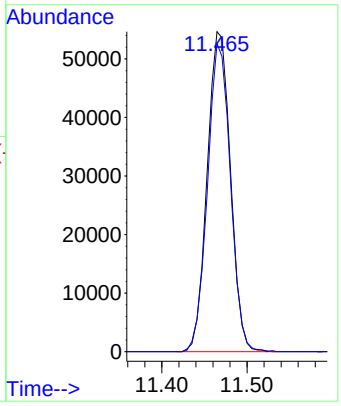


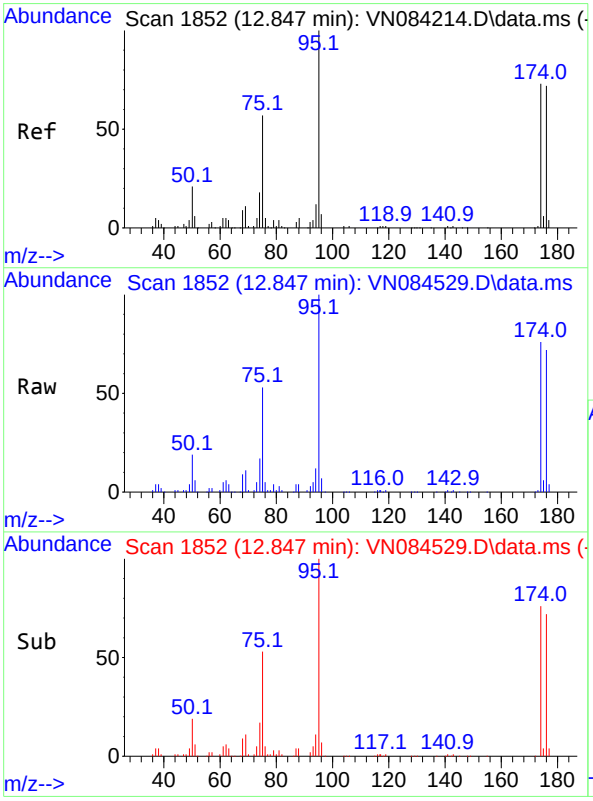
#61
1,2-Dibromoethane
Concen: 54.689 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 103496

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

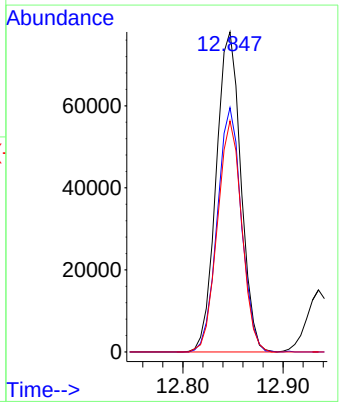


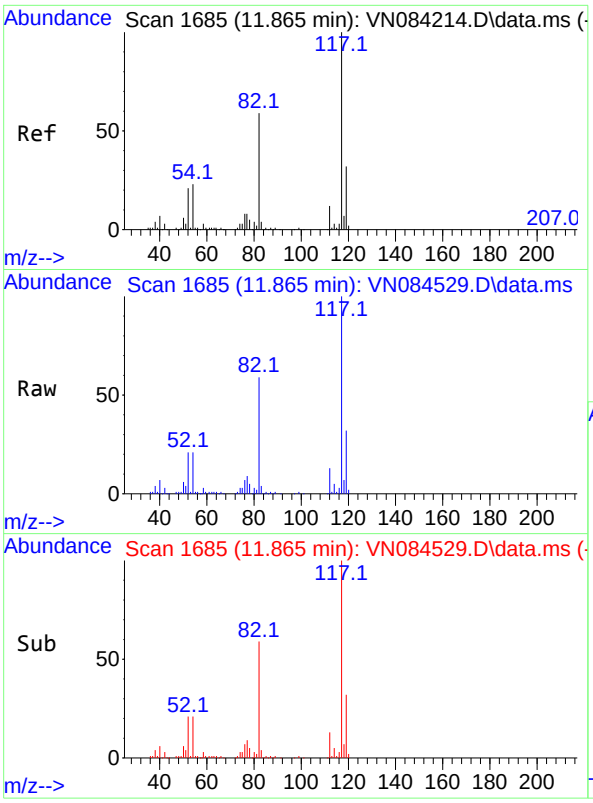


#62
4-Bromofluorobenzene
Concen: 53.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 95 Resp: 132896

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	71.1	0.0	140.0



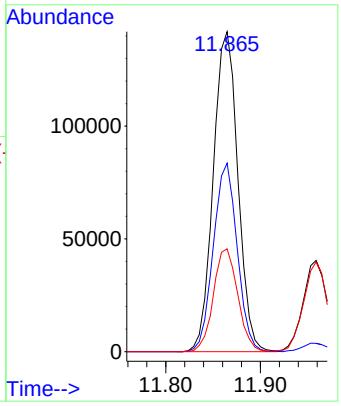


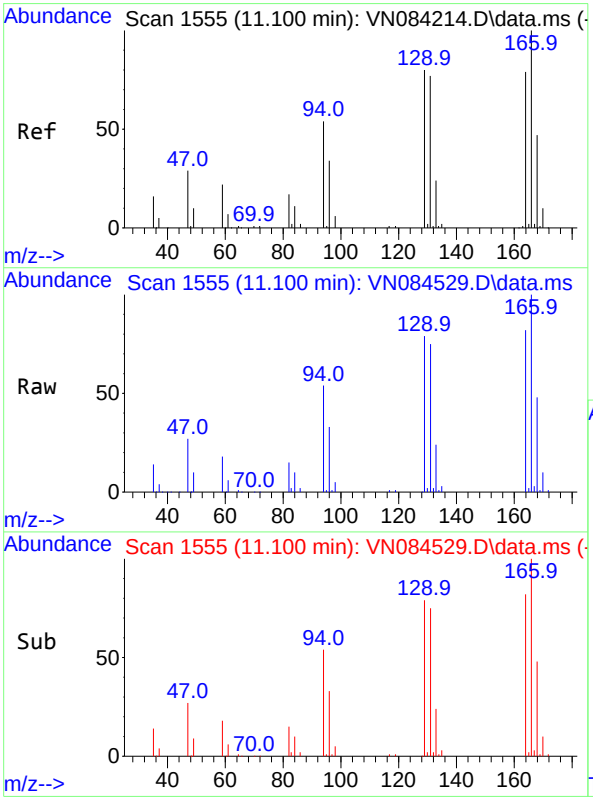
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 255910

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.2	70.8
119	32.1	25.4	38.0

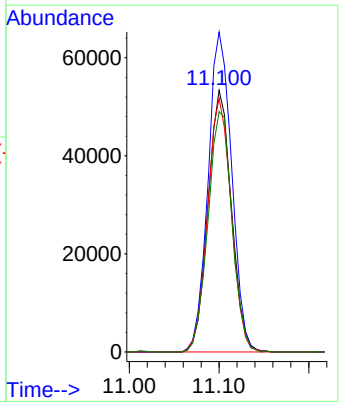


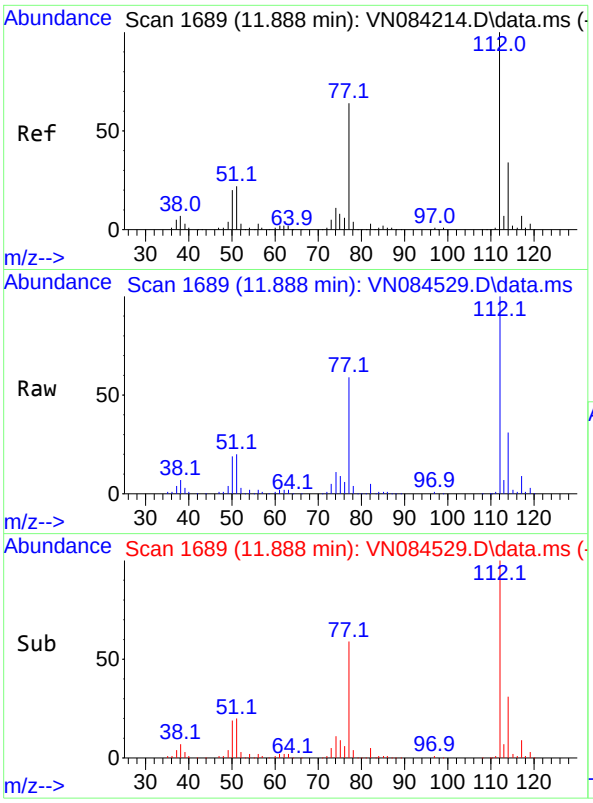


#64
Tetrachloroethene
Concen: 54.633 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:164 Resp: 97380

Ion	Ratio	Lower	Upper
164	100		
166	122.3	101.0	151.4
129	97.0	80.8	121.2
131	91.9	78.1	117.1



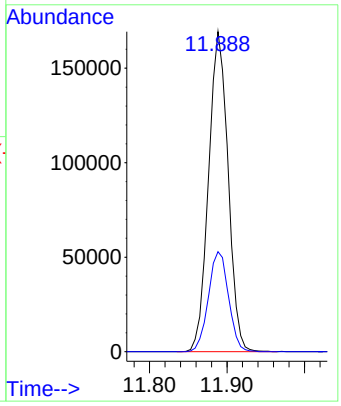


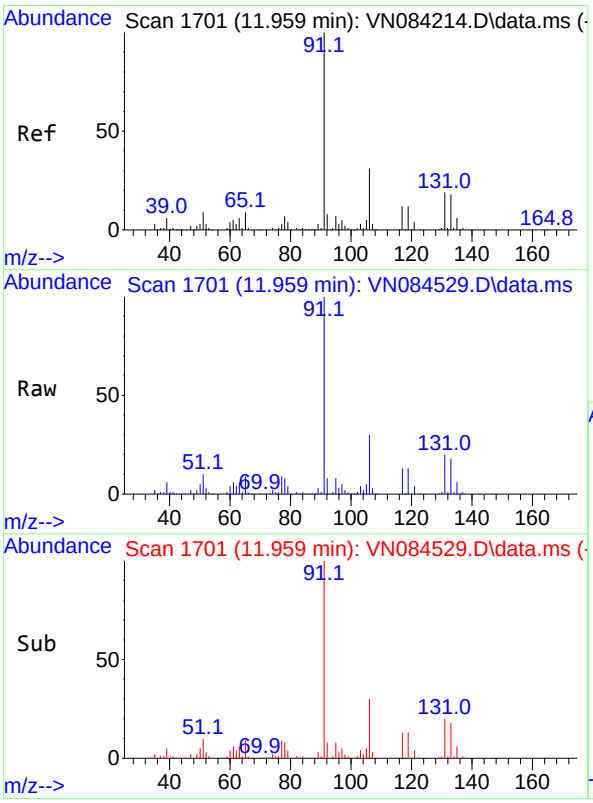
#65
Chlorobenzene
Concen: 52.108 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 295665

Ion	Ratio	Lower	Upper
112	100		
114	31.3	27.0	40.6

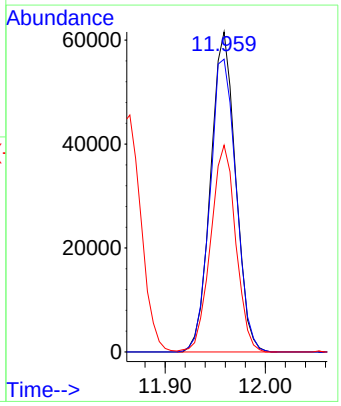


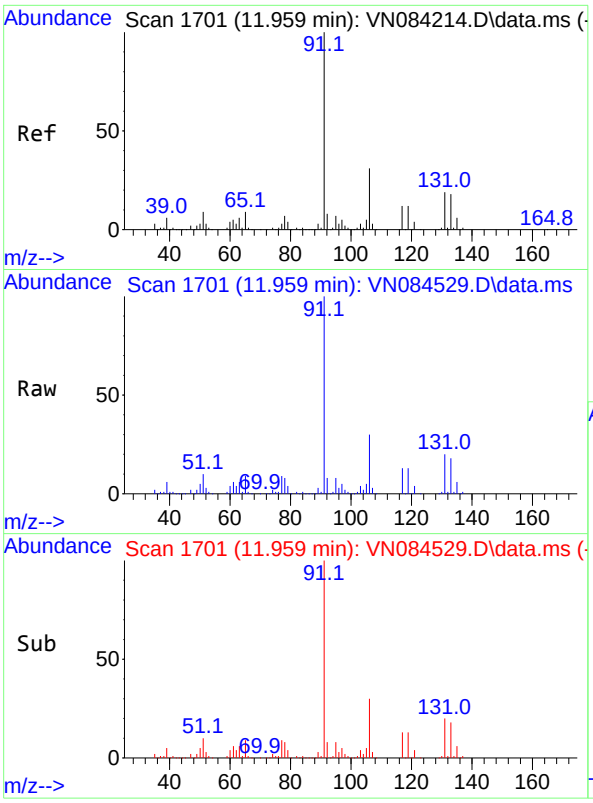


#66
1,1,1,2-Tetrachloroethane
Concen: 54.443 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:131 Resp: 106403

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.7
119	65.0	32.8	98.3



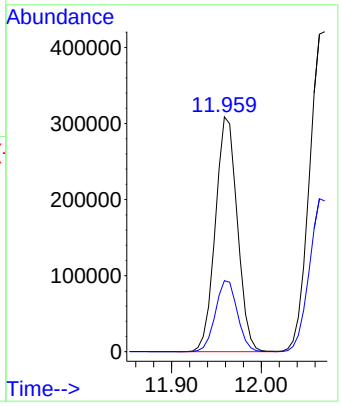


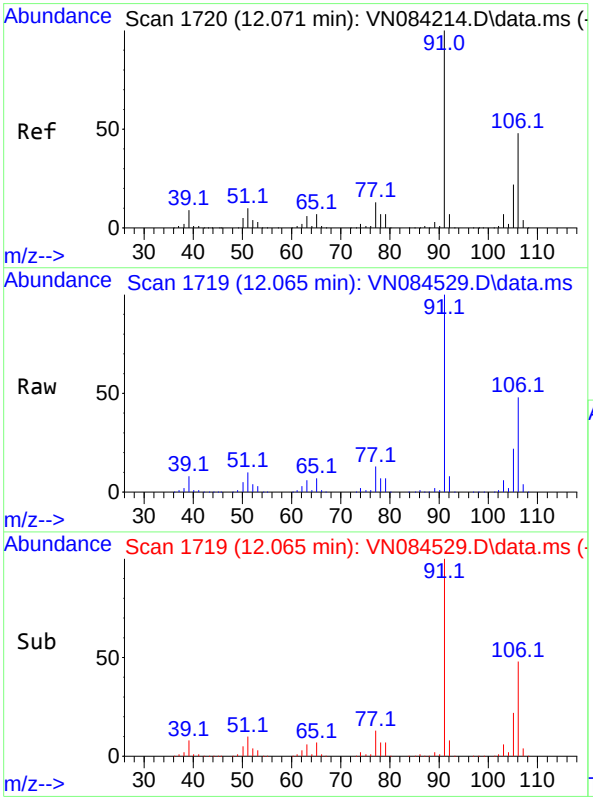
#67
Ethyl Benzene
Concen: 52.257 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 524379

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

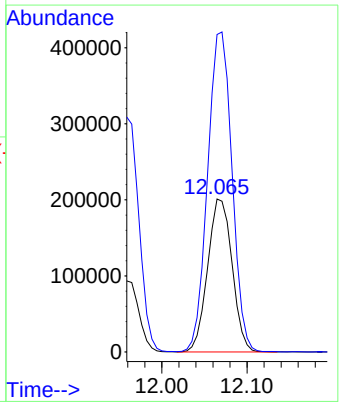


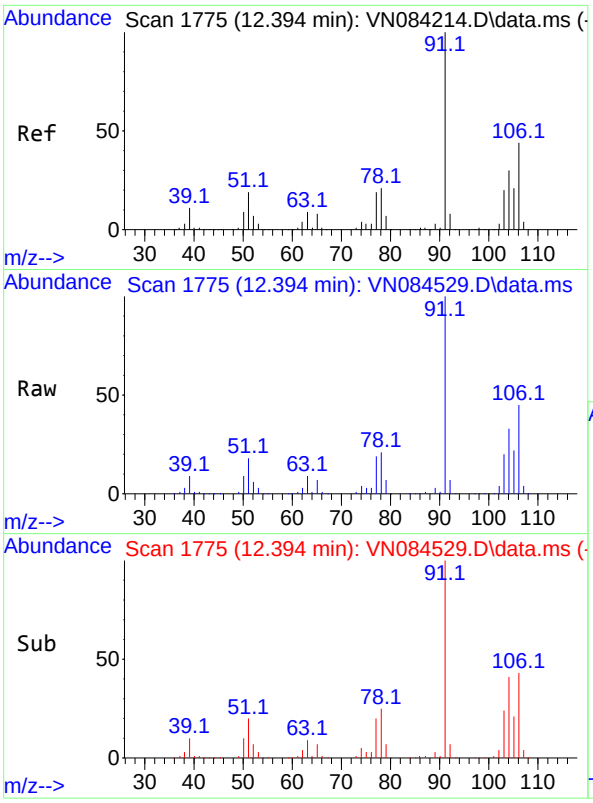


#68
m/p-Xylenes
Concen: 108.151 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:106 Resp: 401441

Ion	Ratio	Lower	Upper
106	100		
91	208.8	167.1	250.7



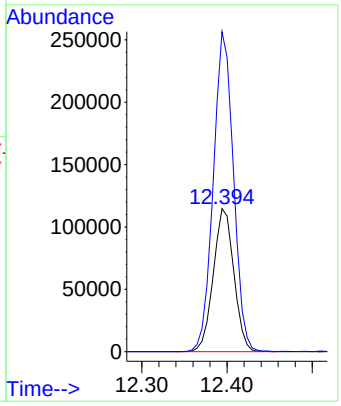


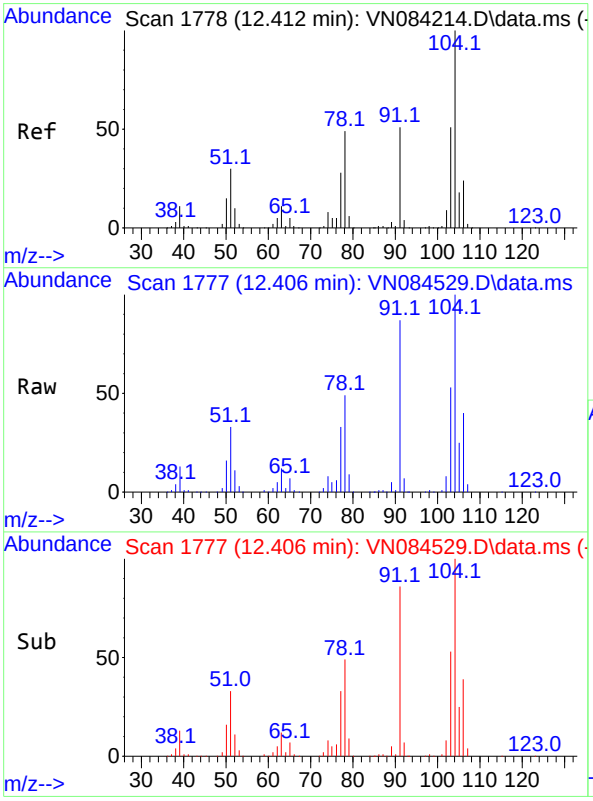
#69
o-Xylene
Concen: 54.717 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 192158

Ion	Ratio	Lower	Upper
106	100		
91	219.6	110.2	330.6

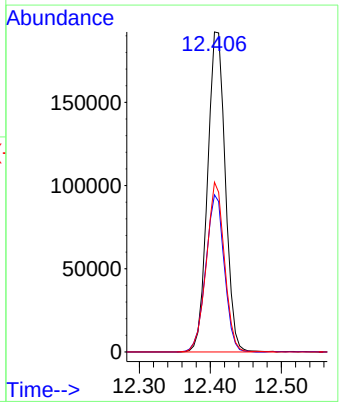


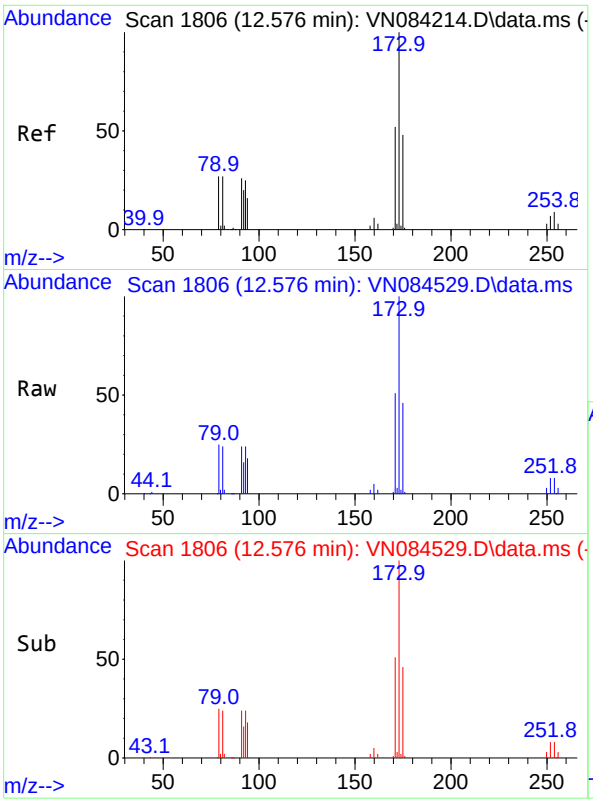


#70
Styrene
Concen: 56.058 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:104 Resp: 333454

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.1	43.6	65.4



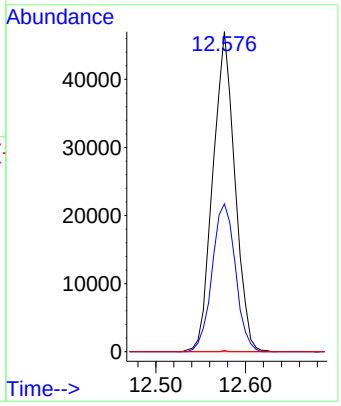


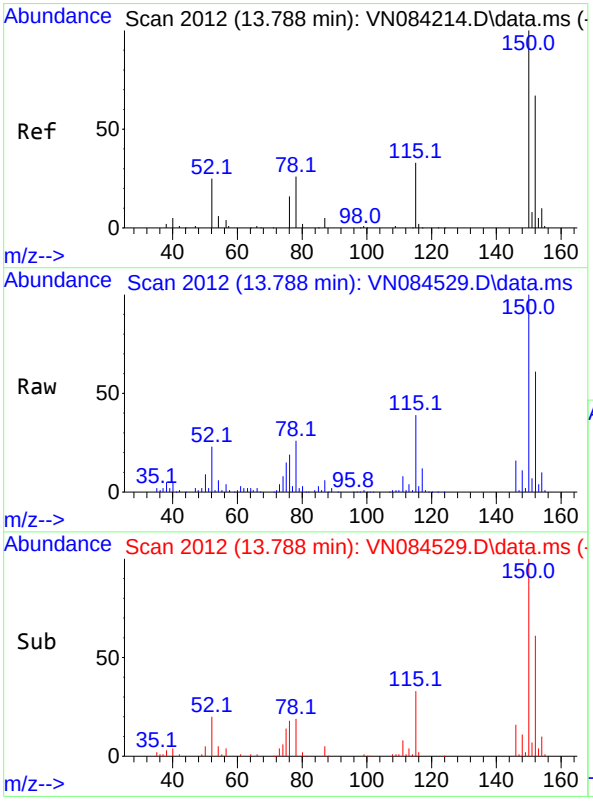
#71
Bromoform
Concen: 55.548 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79927

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.1	0.0	0.0#

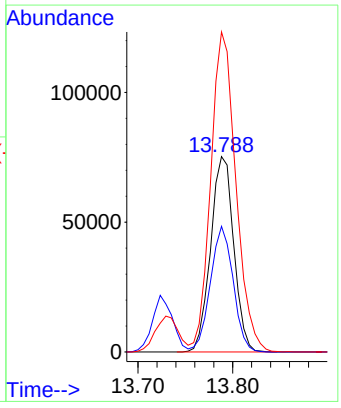


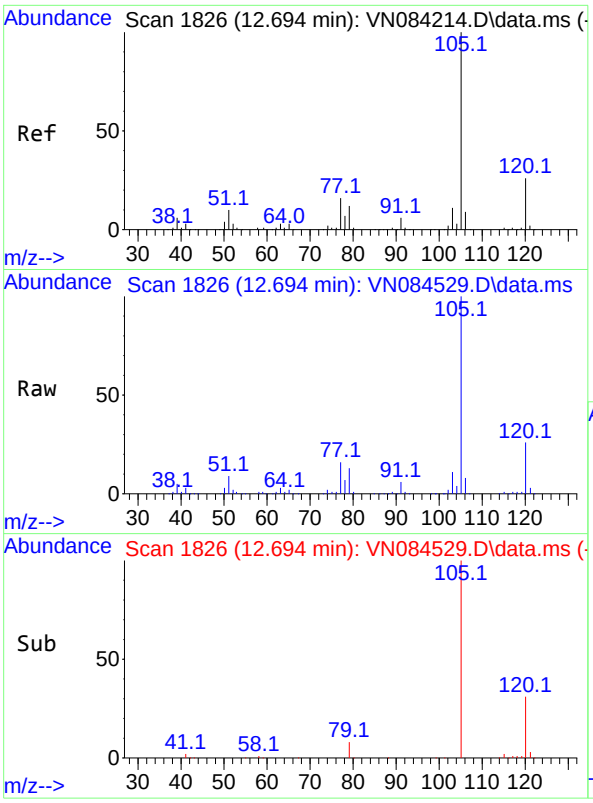


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:152 Resp: 127505

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	178.4	0.0	349.8



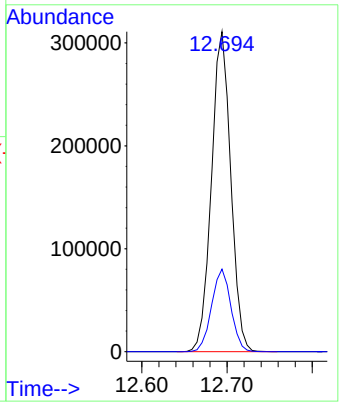


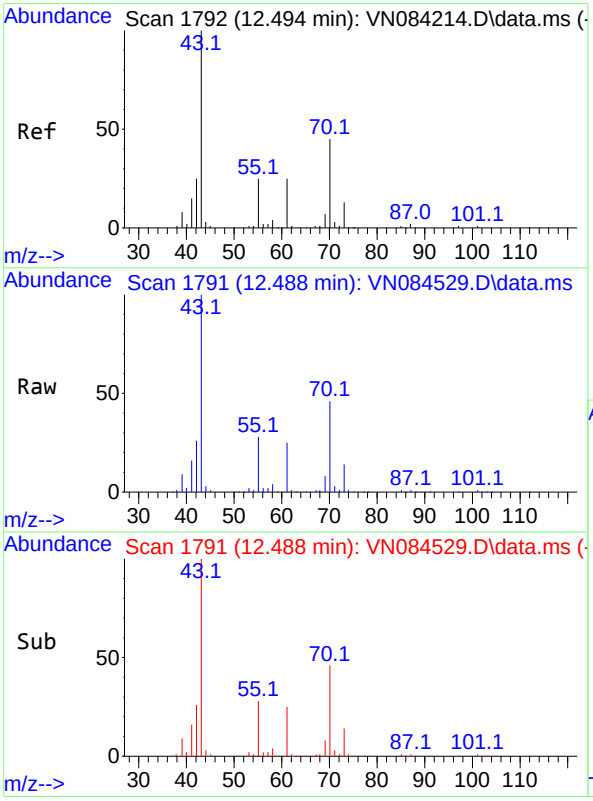
#73
Isopropylbenzene
Concen: 50.337 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 489769

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

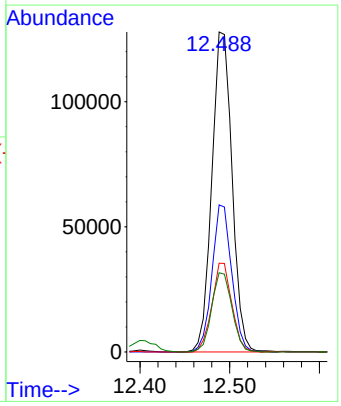


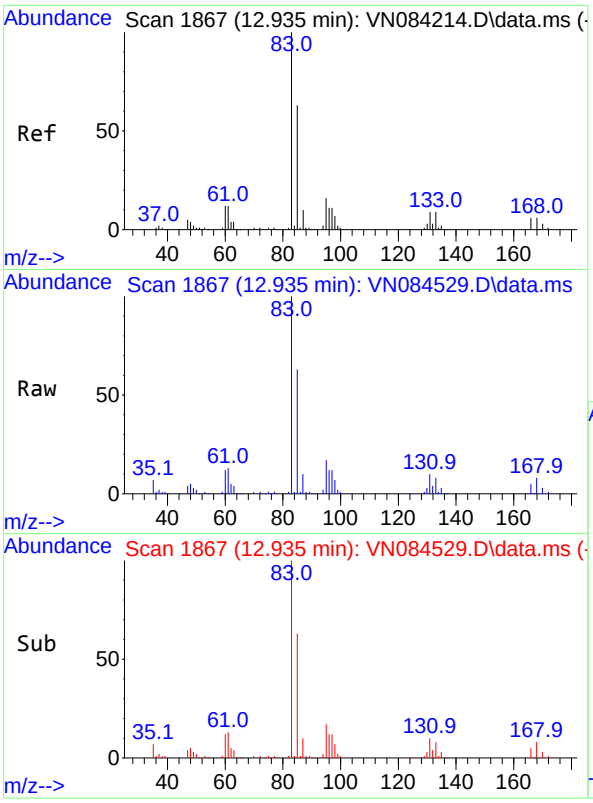


#74
N-amyl acetate
Concen: 45.461 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 43 Resp: 200302

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.4	51.6
55	27.4	19.6	29.4
61	24.9	19.6	29.4



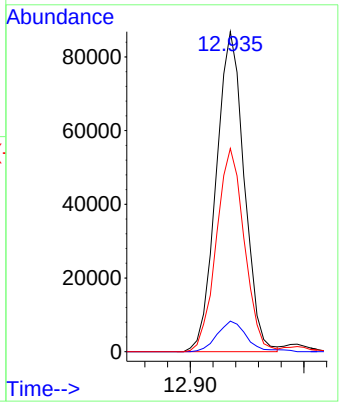


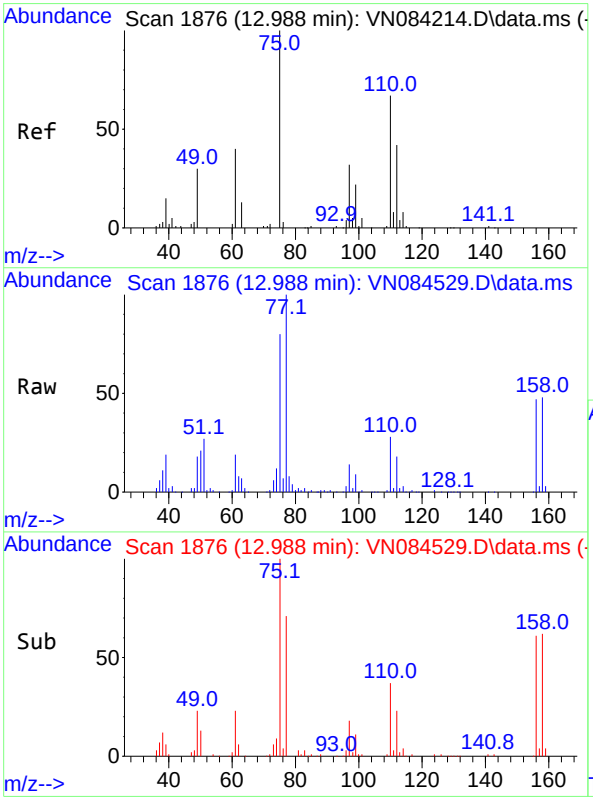
#75
1,1,2,2-Tetrachloroethane
Concen: 50.789 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148591

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.6	31.9	95.7

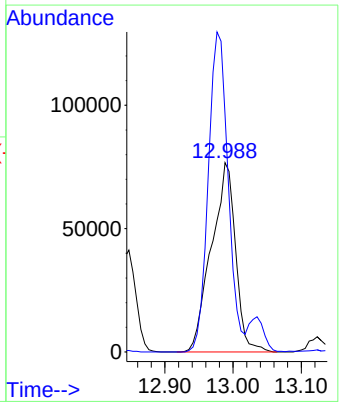


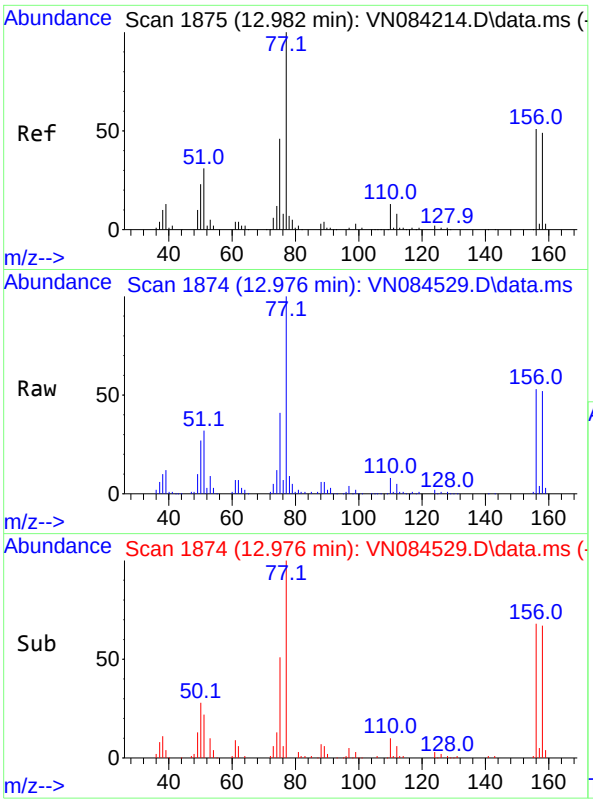


#76
1,2,3-Trichloropropane
Concen: 72.764 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 189409

Ion	Ratio	Lower	Upper
75	100		
77	138.8	96.9	290.7



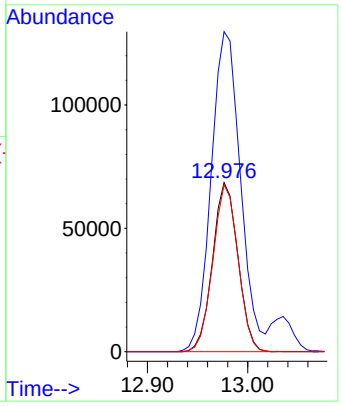


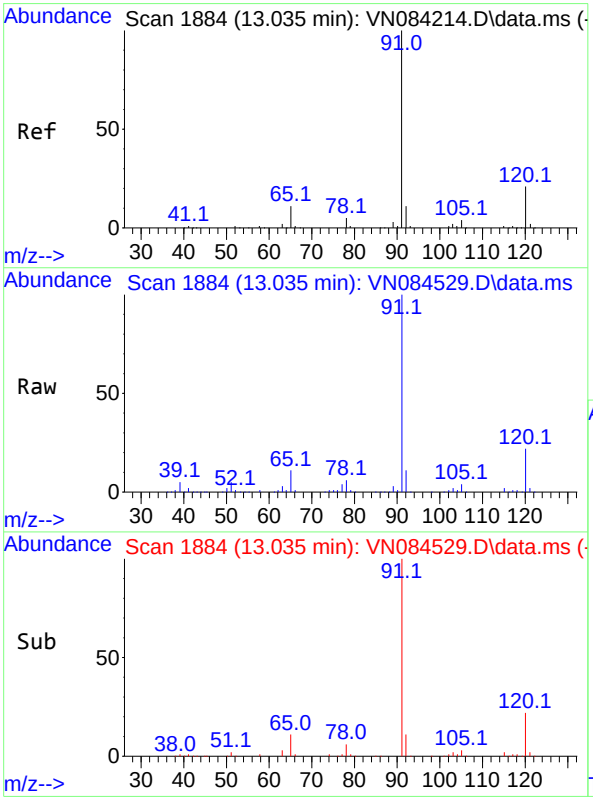
#77
Bromobenzene
Concen: 51.089 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 119903

Ion	Ratio	Lower	Upper
156	100		
77	219.2	115.1	345.3
158	98.0	48.9	146.8

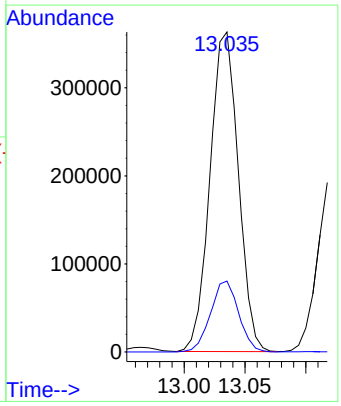


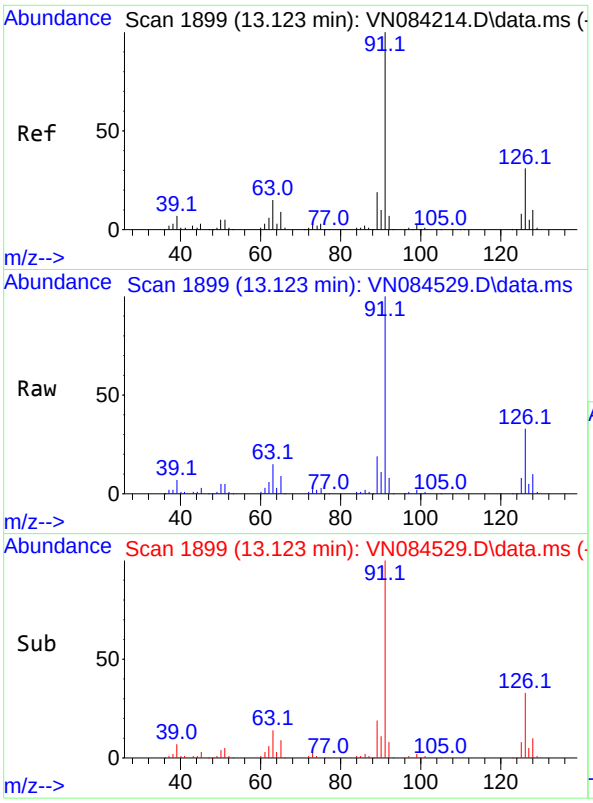


#78
n-propylbenzene
Concen: 52.151 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 91 Resp: 587897

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



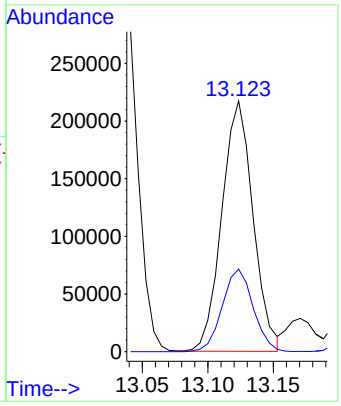


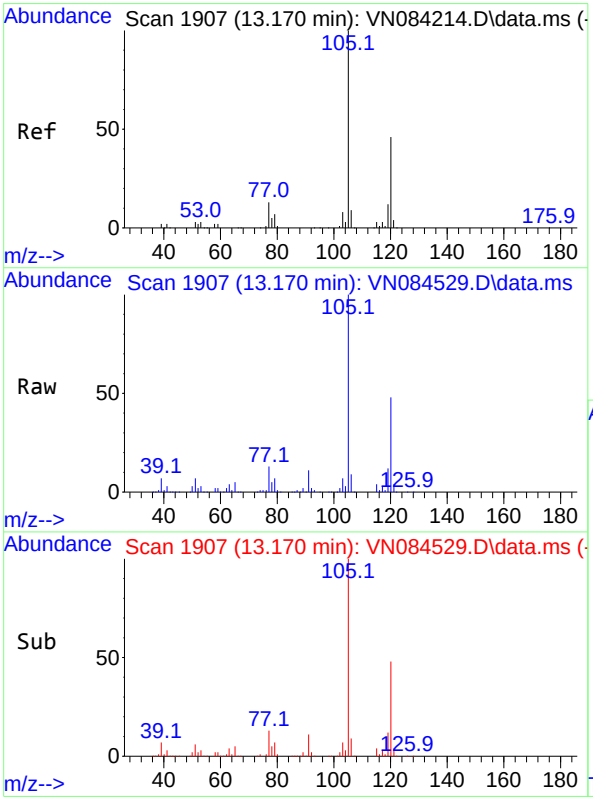
#79
2-Chlorotoluene
Concen: 50.040 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 359954

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

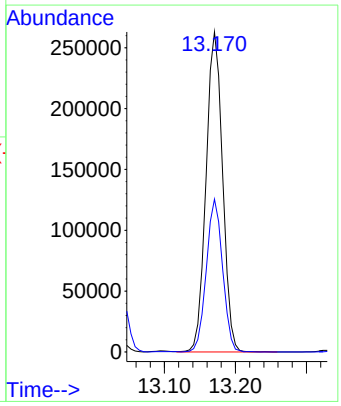


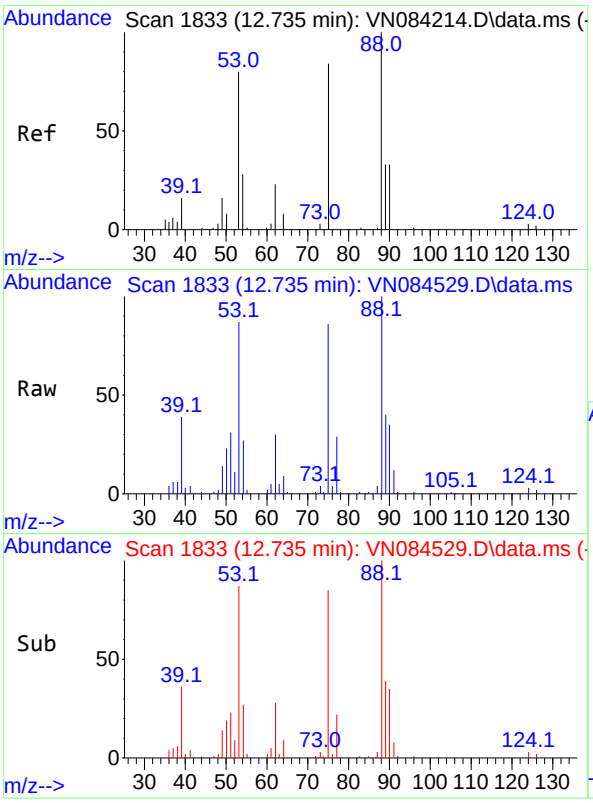


#80
1,3,5-Trimethylbenzene
Concen: 53.608 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:105 Resp: 425471

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1



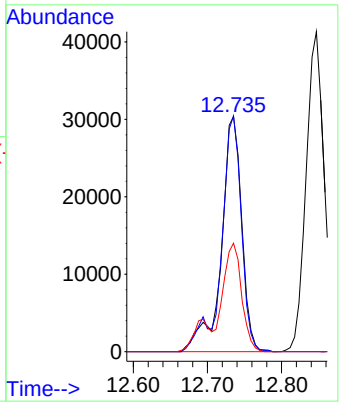


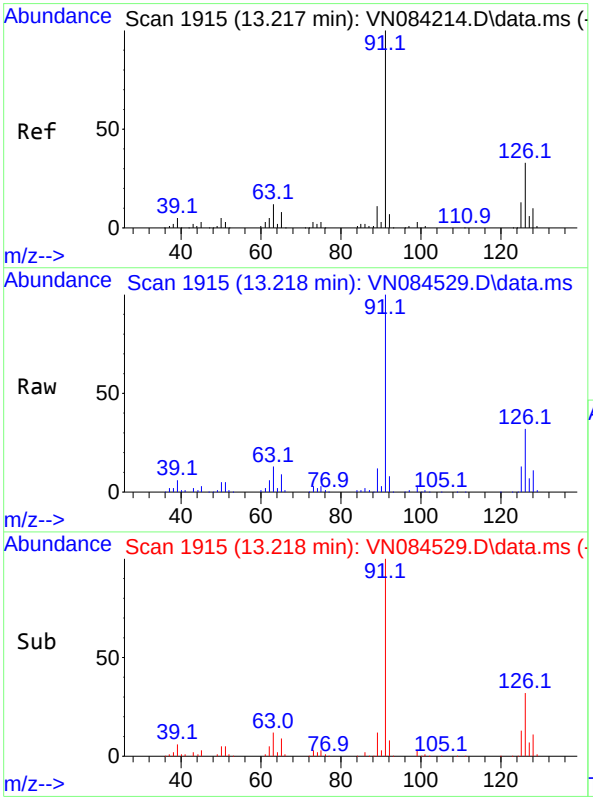
#81
trans-1,4-Dichloro-2-butene
Concen: 53.711 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 58317

Ion	Ratio	Lower	Upper
75	100		
53	87.5	78.0	117.0
89	42.0	35.5	53.3

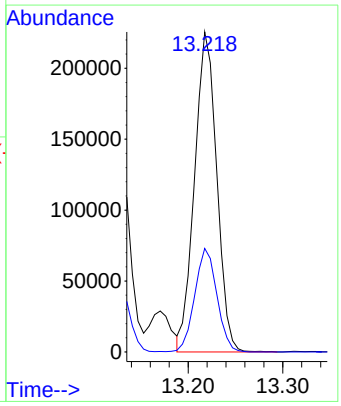


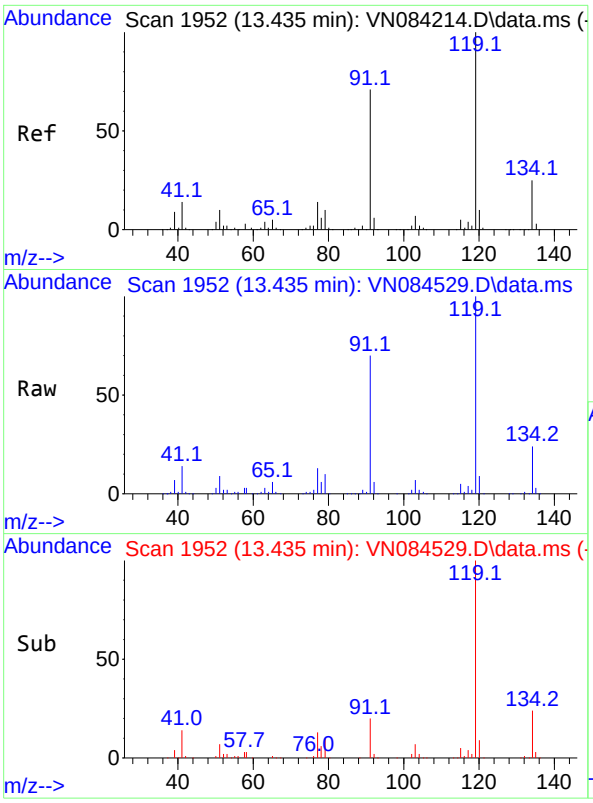


#82
4-Chlorotoluene
Concen: 50.748 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 91 Resp: 367485

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



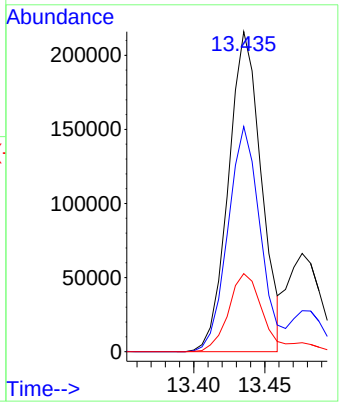


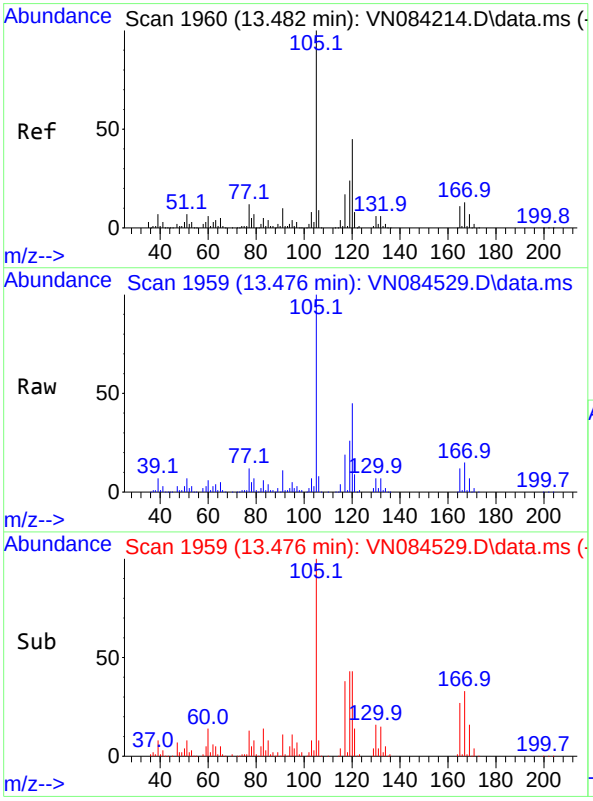
#83
tert-Butylbenzene
Concen: 49.193 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 347018

Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.1	102.3
134	27.0	12.8	38.4

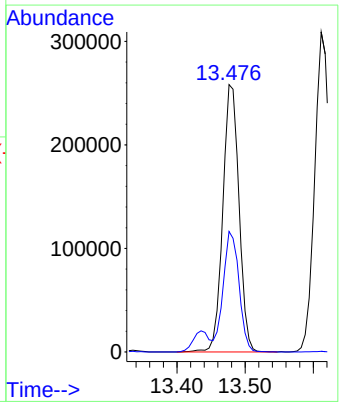


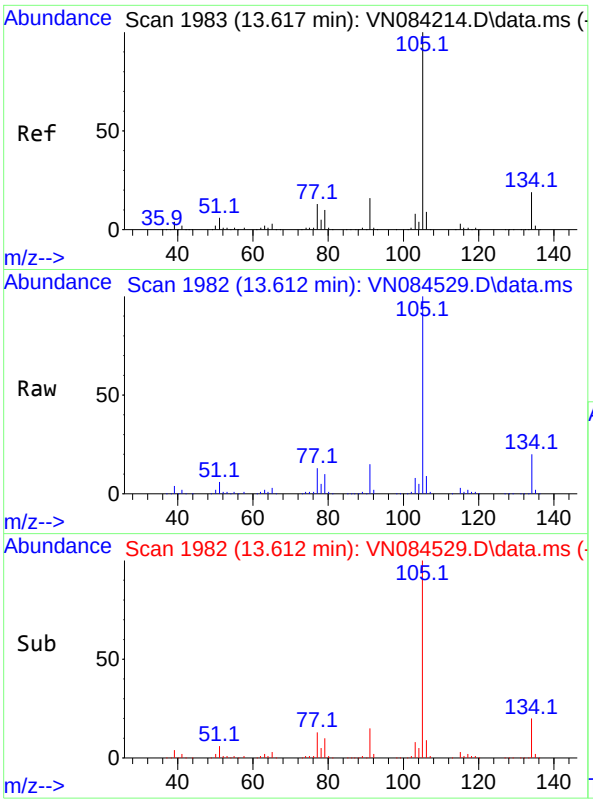


#84
1,2,4-Trimethylbenzene
Concen: 53.498 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:105 Resp: 427732

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8



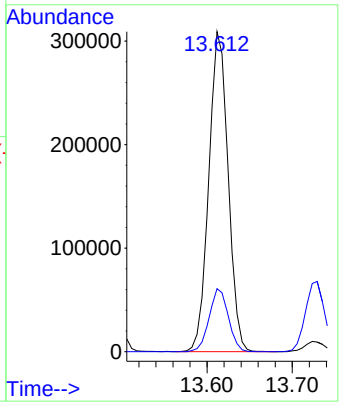


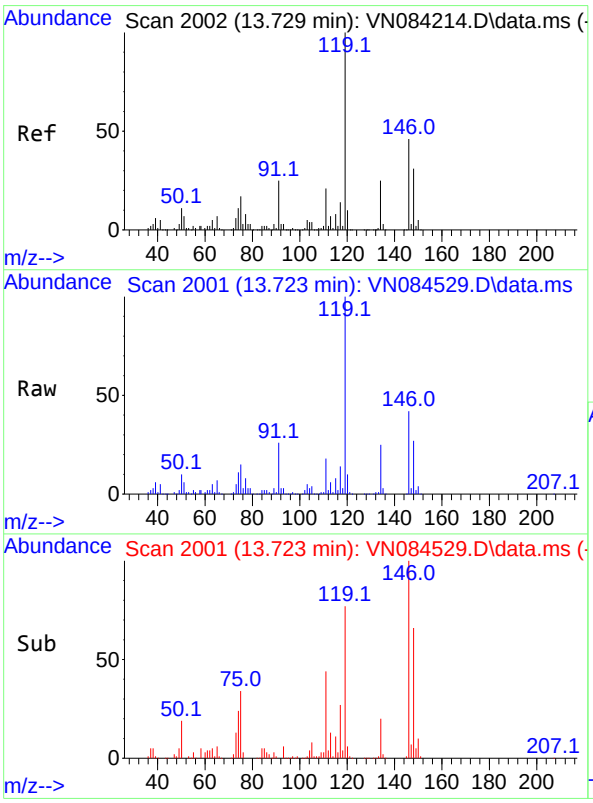
#85
sec-Butylbenzene
Concen: 51.718 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 486834

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

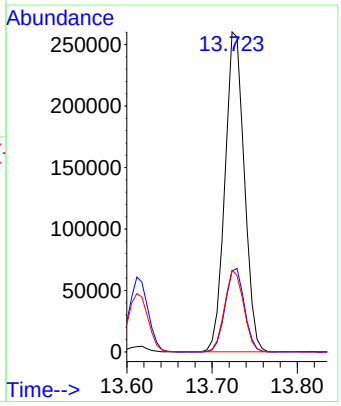


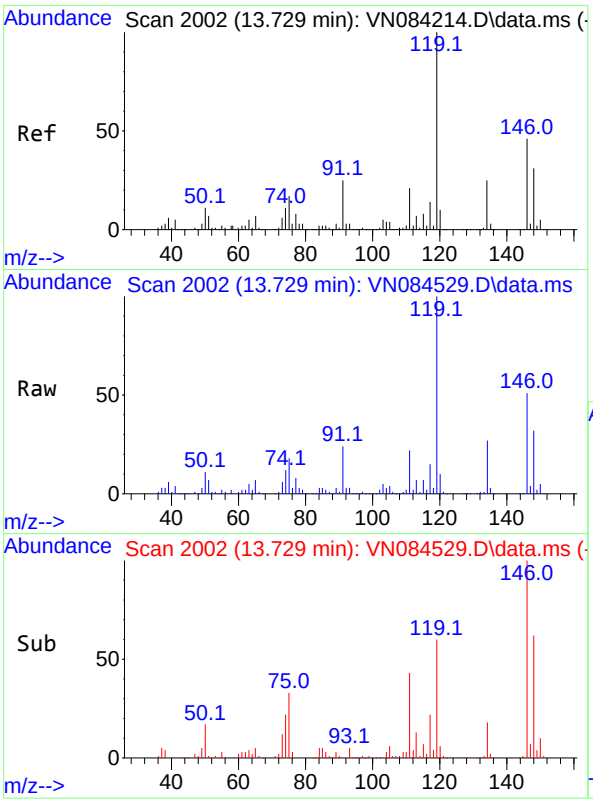


#86
p-Isopropyltoluene
Concen: 52.576 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:119 Resp: 409248

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.2	12.4	37.2



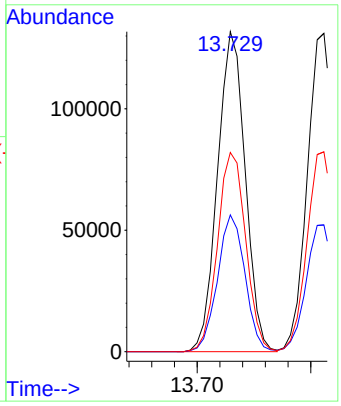


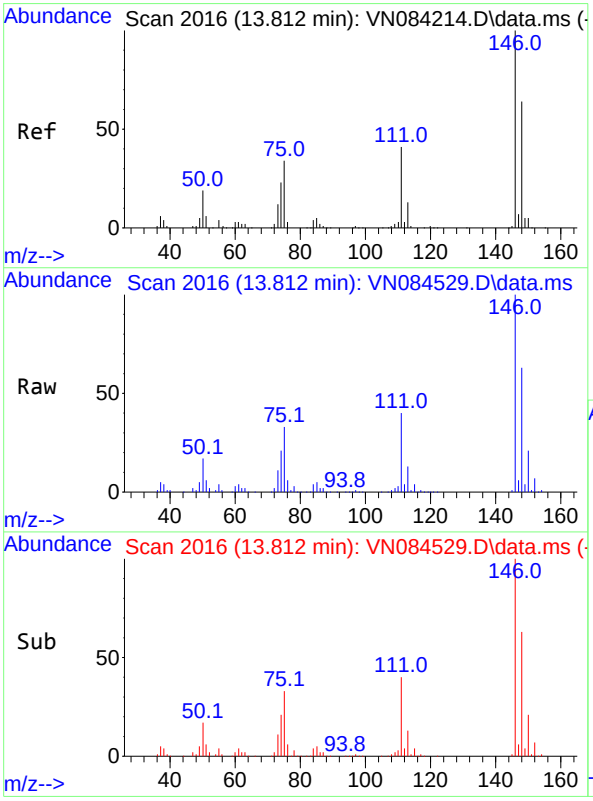
#87
1,3-Dichlorobenzene
Concen: 50.742 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 223411

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.5	31.9	95.7

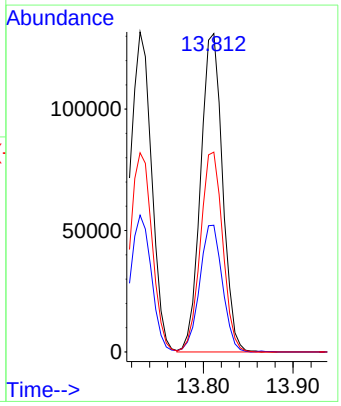


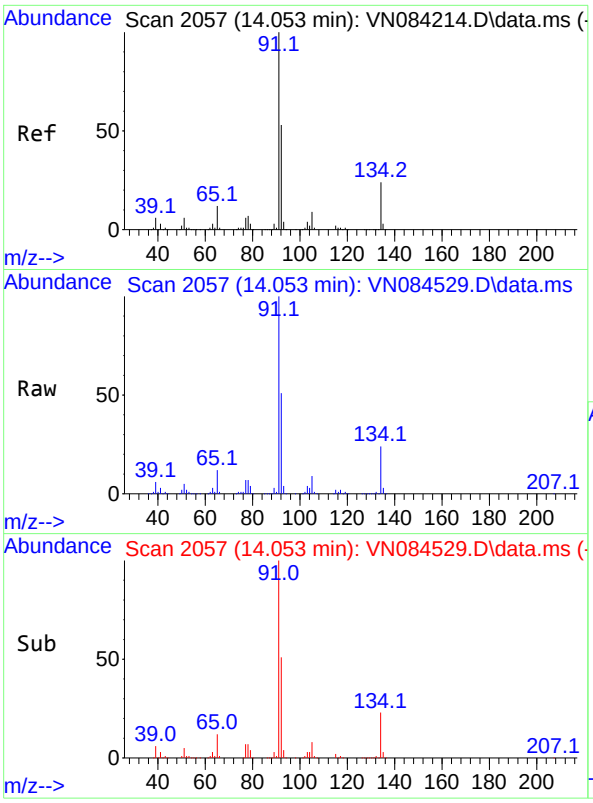


#88
1,4-Dichlorobenzene
Concen: 50.068 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:146 Resp: 222616

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.2	63.6
148	63.9	31.9	95.9



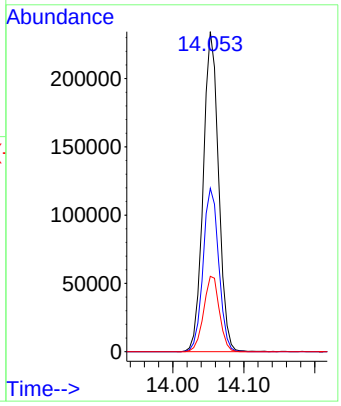


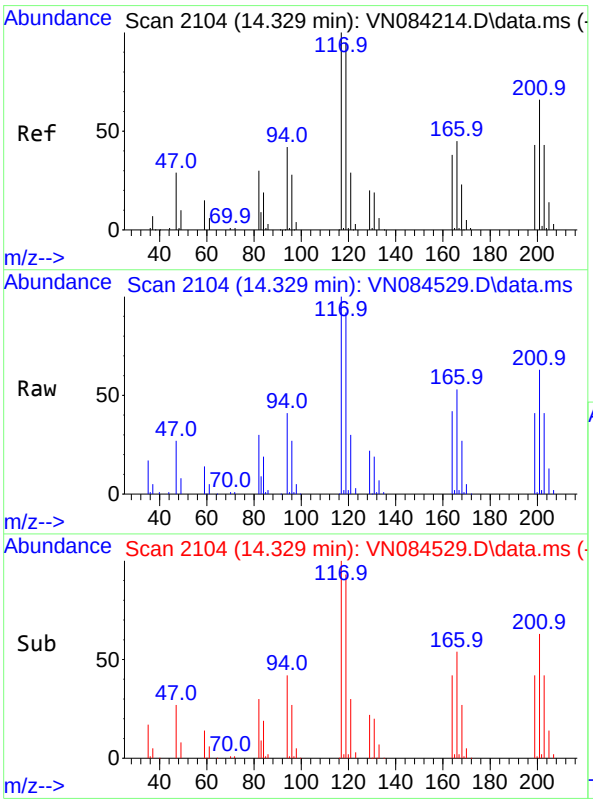
#89
n-Butylbenzene
Concen: 50.006 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 352954

Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.6	79.7
134	24.1	12.3	36.9

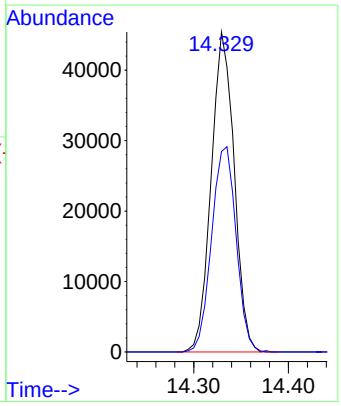


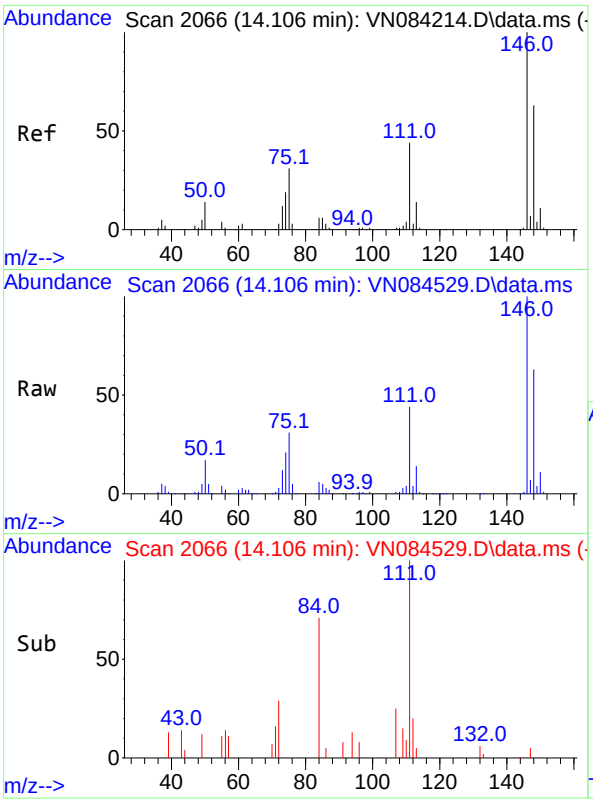


#90
Hexachloroethane
Concen: 48.482 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:117 Resp: 76602

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2



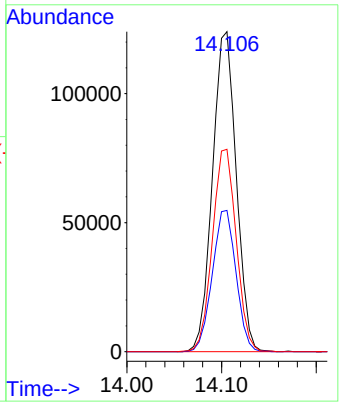


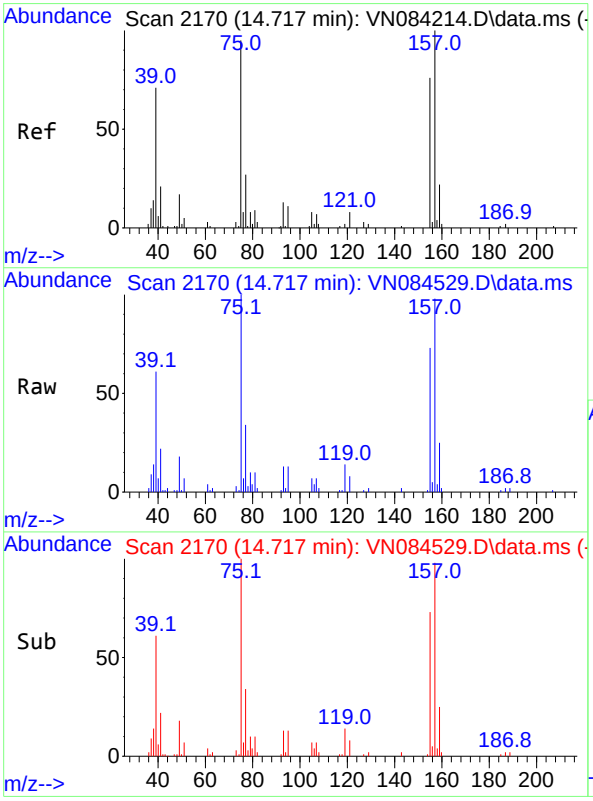
#91
1,2-Dichlorobenzene
Concen: 50.175 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 216615

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.0	66.0
148	63.4	32.1	96.3

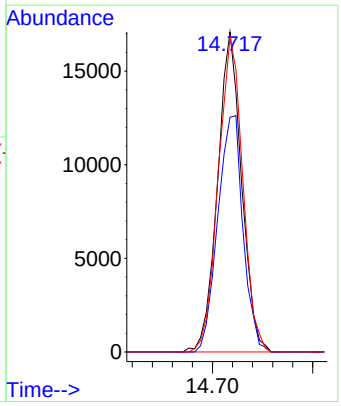


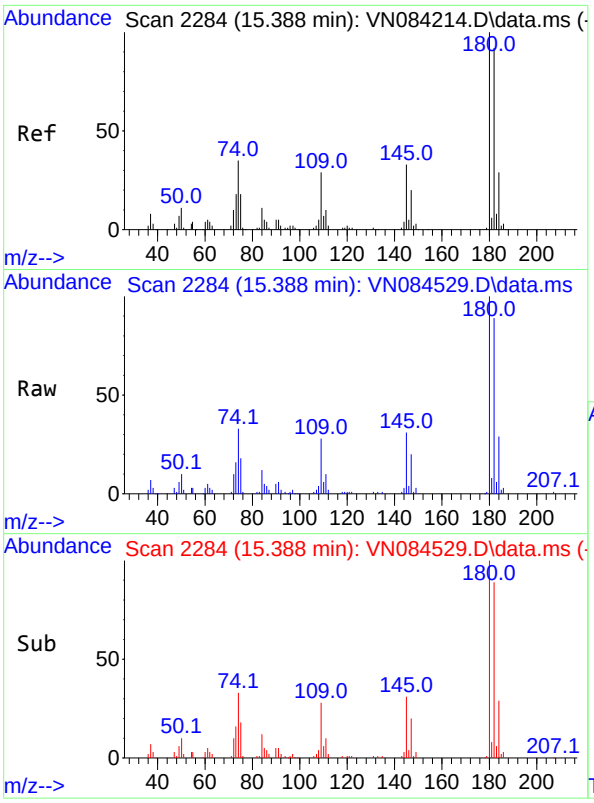


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.881 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion: 75 Resp: 28304

Ion	Ratio	Lower	Upper
75	100		
155	77.7	38.1	114.5
157	100.3	49.6	149.0



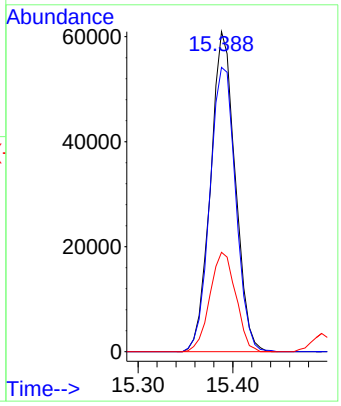


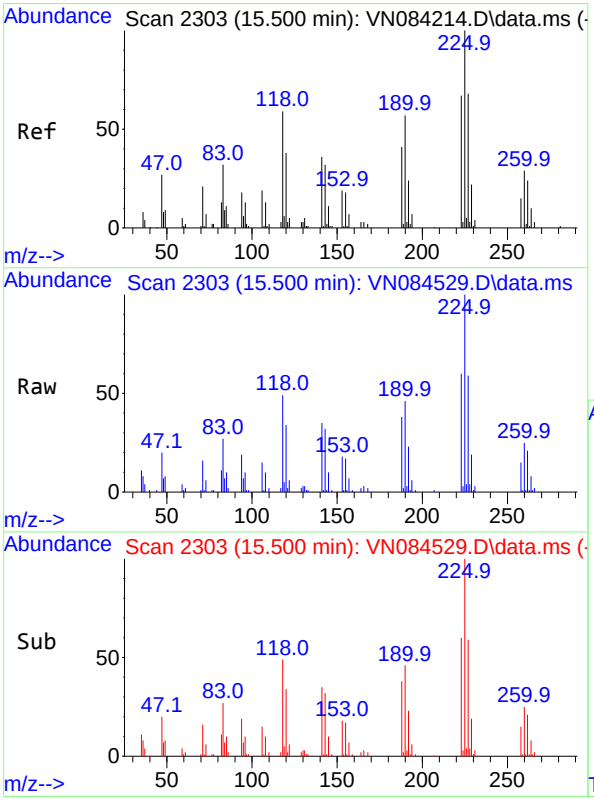
#93
1,2,4-Trichlorobenzene
Concen: 51.843 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 110241

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.0	141.0
145	32.5	16.4	49.4

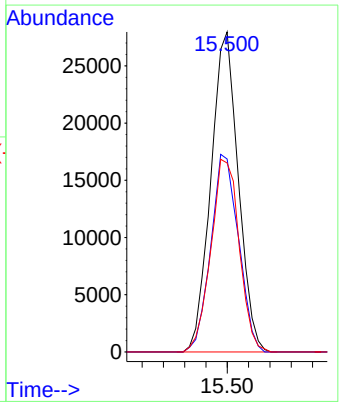


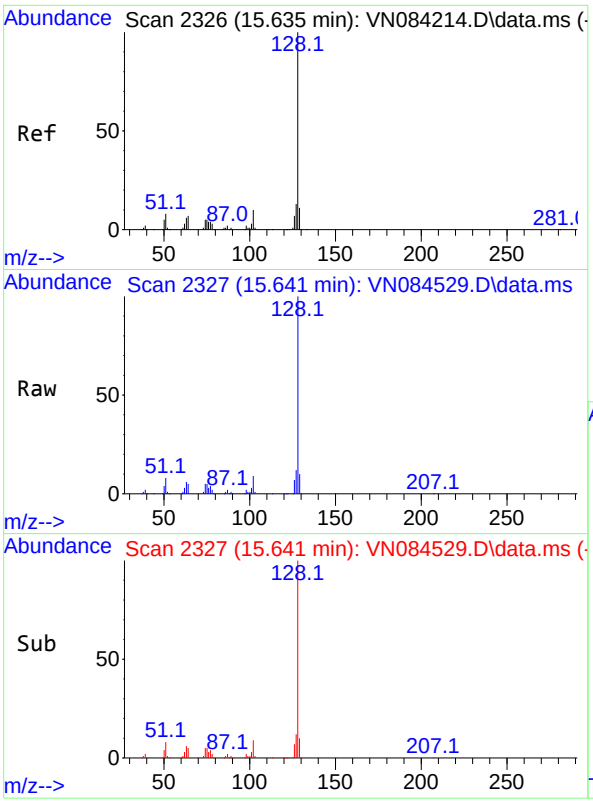


#94
Hexachlorobutadiene
Concen: 47.058 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:225 Resp: 49903

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.4	97.2
227	62.3	32.4	97.0



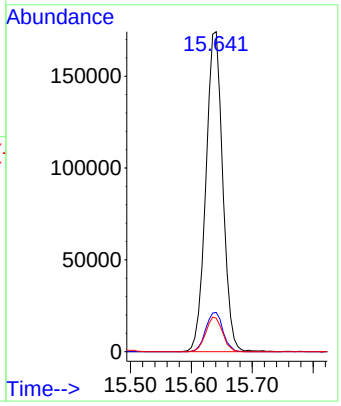


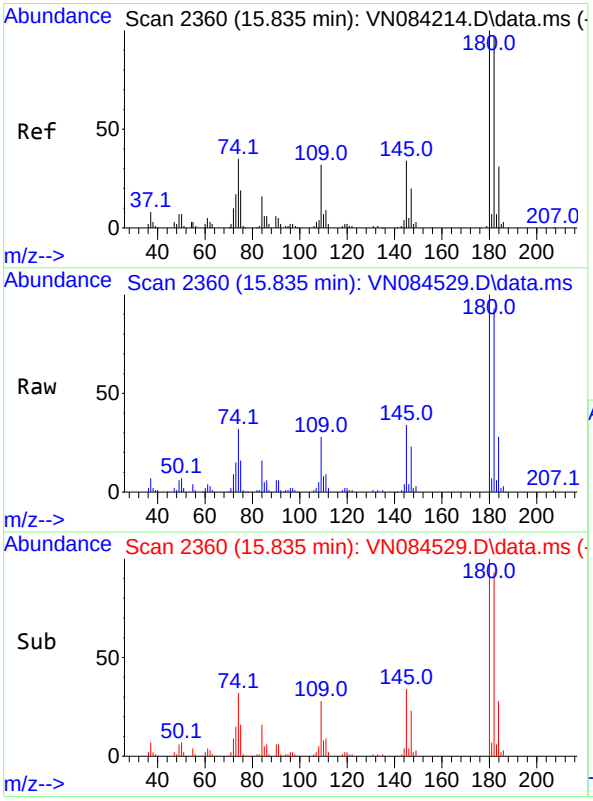
#95
Naphthalene
Concen: 47.496 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 334829

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.8	8.7	13.1

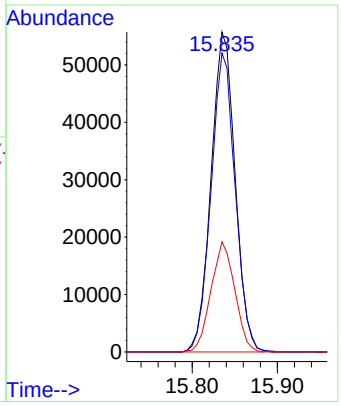




#96
1,2,3-Trichlorobenzene
Concen: 51.361 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084529.D
Acq: 28 Oct 2024 10:05

Tgt Ion:180 Resp: 109325

Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.2	144.6
145	34.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122667	52.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.780%			
35) Dibromofluoromethane	8.165	113	99307	56.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.900%			
50) Toluene-d8	10.565	98	348548	53.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.847	95	132937	56.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32114	17.192	ug/l	97
3) Chloromethane	2.359	50	38936	18.255	ug/l	97
4) Vinyl Chloride	2.512	62	38348	18.562	ug/l	96
5) Bromomethane	2.959	94	25637	18.813	ug/l	93
6) Chloroethane	3.124	64	24820	16.775	ug/l	91
7) Trichlorofluoromethane	3.501	101	65549	20.375	ug/l	97
8) Diethyl Ether	3.959	74	23136	19.390	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	38968	21.139	ug/l	99
10) Methyl Iodide	4.589	142	44622	18.797	ug/l	94
11) Tert butyl alcohol	5.530	59	34117	88.367	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	35338	19.875	ug/l	88
13) Acrolein	4.177	56	44580	100.579	ug/l	98
14) Allyl chloride	5.024	41	55050	17.827	ug/l	96
15) Acrylonitrile	5.712	53	99064	101.607	ug/l	100
16) Acetone	4.424	43	99525	98.948	ug/l	99
17) Carbon Disulfide	4.712	76	94208	16.735	ug/l	99
18) Methyl Acetate	5.030	43	50881	23.209	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	119740	19.953	ug/l	99
20) Methylene Chloride	5.277	84	42221	20.650	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	37489	20.125	ug/l	94
22) Diisopropyl ether	6.671	45	130862	20.488	ug/l	98
23) Vinyl Acetate	6.606	43	444486	93.823	ug/l	99
24) 1,1-Dichloroethane	6.571	63	74124	20.752	ug/l	99
25) 2-Butanone	7.483	43	134417	98.117	ug/l	99
26) 2,2-Dichloropropane	7.489	77	65625	20.376	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44862	19.930	ug/l	99
28) Bromochloromethane	7.812	49	27270	17.111	ug/l	96
29) Tetrahydrofuran	7.841	42	84458	99.900	ug/l	98
30) Chloroform	7.965	83	79062	21.308	ug/l	91
31) Cyclohexane	8.259	56	61230	17.655	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	69025	20.714	ug/l	96
36) 1,1-Dichloropropene	8.365	75	52411	20.510	ug/l	98
37) Ethyl Acetate	7.559	43	52784	20.135	ug/l	99
38) Carbon Tetrachloride	8.359	117	59224	21.128	ug/l	99
39) Methylcyclohexane	9.600	83	53950	18.970	ug/l	100
40) Benzene	8.606	78	171367	21.524	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	27383	19.240	ug/l		95
42) 1,2-Dichloroethane	8.671	62	57759	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	92418	17.998	ug/l		99
44) Trichloroethene	9.347	130	39058	21.005	ug/l		99
45) 1,2-Dichloropropane	9.618	63	41968	22.283	ug/l		98
46) Dibromomethane	9.706	93	29527	23.232	ug/l		100
47) Bromodichloromethane	9.888	83	61153	21.657	ug/l		98
48) Methyl methacrylate	9.677	41	39957	19.548	ug/l		100
49) 1,4-Dioxane	9.694	88	15204	404.028	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	270071	108.219	ug/l		99
52) Toluene	10.624	92	105264	21.682	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	59595	20.704	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	64963	20.983	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	39178	22.510	ug/l		94
56) Ethyl methacrylate	10.871	69	58496	20.426	ug/l		98
57) 1,3-Dichloropropane	11.159	76	68464	22.014	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	130997	98.604	ug/l		97
59) 2-Hexanone	11.194	43	198387	106.359	ug/l		98
60) Dibromochloromethane	11.359	129	46083	22.409	ug/l		97
61) 1,2-Dibromoethane	11.471	107	39773	21.992	ug/l		99
64) Tetrachloroethene	11.100	164	36325	21.772	ug/l		97
65) Chlorobenzene	11.888	112	109772	20.668	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	39484	21.583	ug/l		99
67) Ethyl Benzene	11.959	91	188566	20.076	ug/l		99
68) m/p-Xylenes	12.071	106	146769	42.242	ug/l		100
69) o-Xylene	12.394	106	68929	20.969	ug/l		99
70) Styrene	12.412	104	119311	21.428	ug/l		98
71) Bromoform	12.576	173	29779	22.110	ug/l	#	99
73) Isopropylbenzene	12.694	105	174051	18.880	ug/l		100
74) N-amyl acetate	12.494	43	72933	17.471	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	56742	20.470	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	72840	29.534	ug/l		61
77) Bromobenzene	12.976	156	45153	20.306	ug/l		95
78) n-propylbenzene	13.035	91	210273	19.687	ug/l		99
79) 2-Chlorotoluene	13.123	91	131454	19.288	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	151668	20.169	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	21464	20.865	ug/l		90
82) 4-Chlorotoluene	13.218	91	135824	19.797	ug/l		100
83) tert-Butylbenzene	13.435	119	120577	18.041	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	156050	20.600	ug/l		98
85) sec-Butylbenzene	13.612	105	175698	19.700	ug/l		99
86) p-Isopropyltoluene	13.729	119	141559	19.194	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	81769	19.602	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	82250	19.525	ug/l		99
89) n-Butylbenzene	14.053	91	121202	18.124	ug/l		99
90) Hexachloroethane	14.329	117	27906	18.641	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	79959	19.548	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10597	18.526	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	38140	18.931	ug/l		98
94) Hexachlorobutadiene	15.500	225	18784	18.695	ug/l		97
95) Naphthalene	15.641	128	111821	16.742	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	37173	18.432	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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

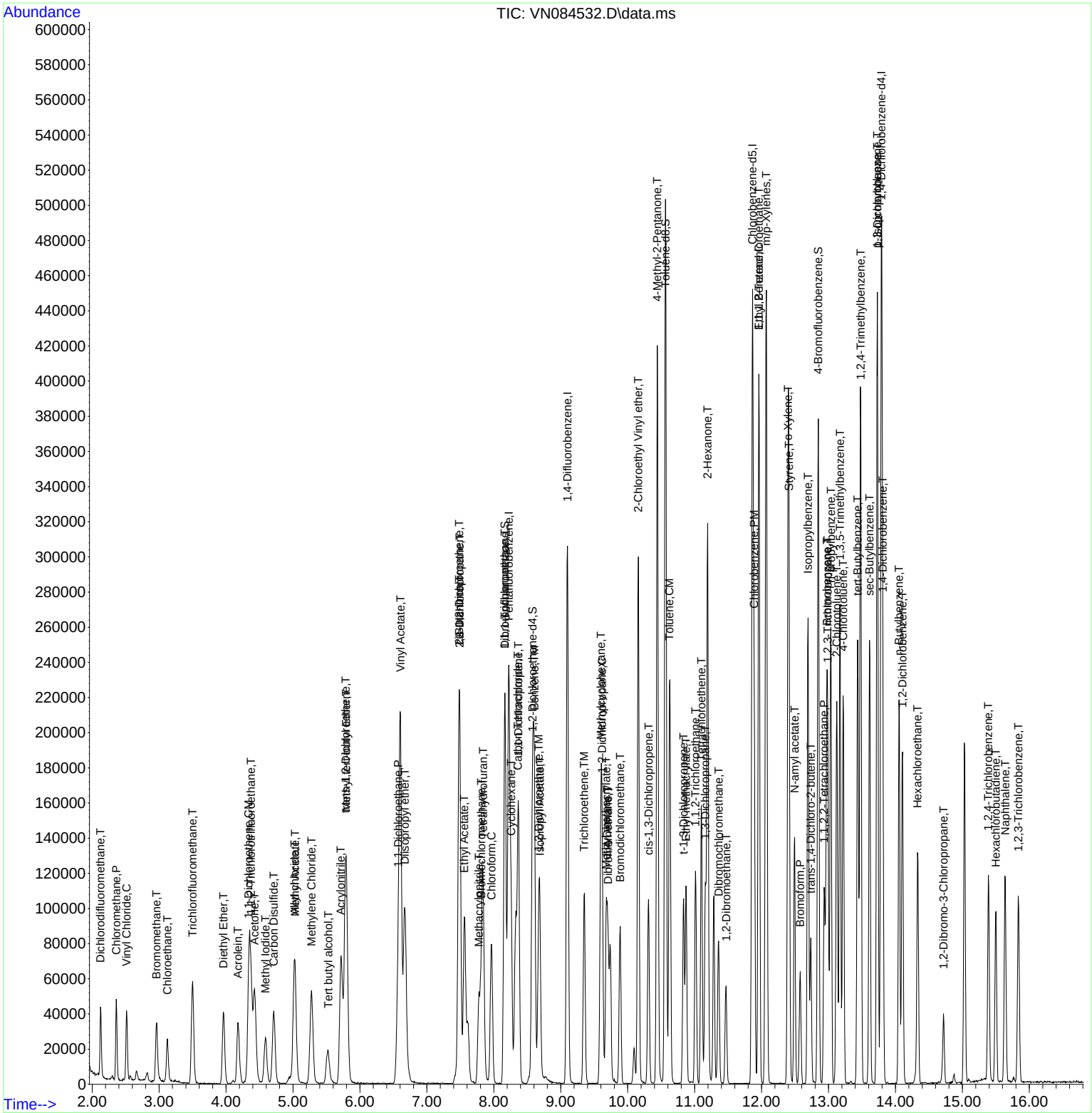
(#) = qualifier out of range (m) = manual integration (+) = signals summed

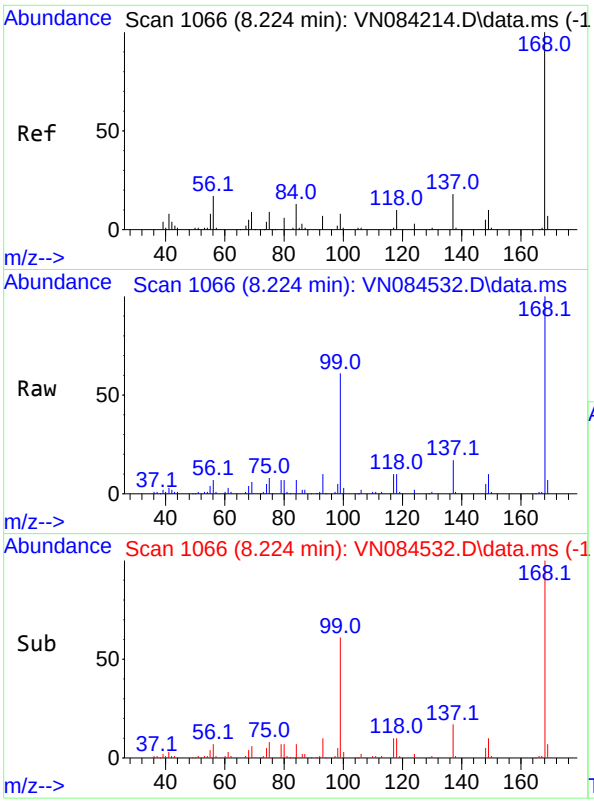
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084532.D
Acq On : 28 Oct 2024 12:18
Operator : JC\MD
Sample : VN1028WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Quant Time: Oct 28 14:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



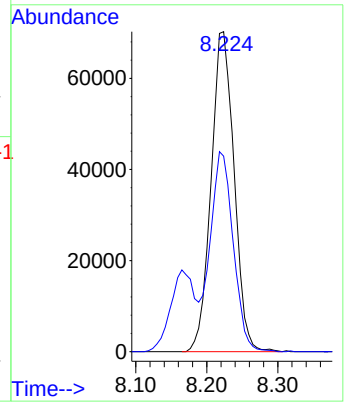


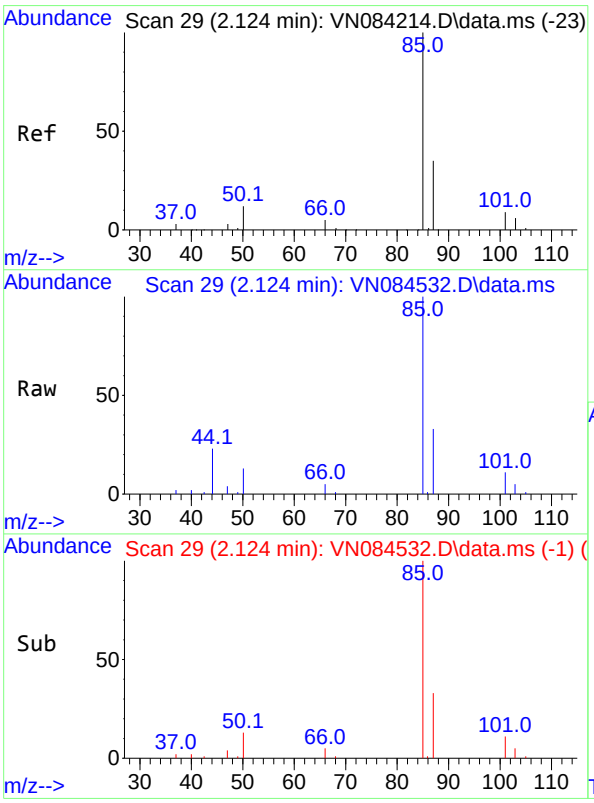
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:168 Resp: 157919

Ion	Ratio	Lower	Upper
168	100		
99	61.1	54.2	81.2

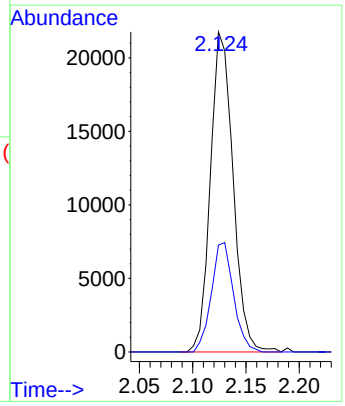


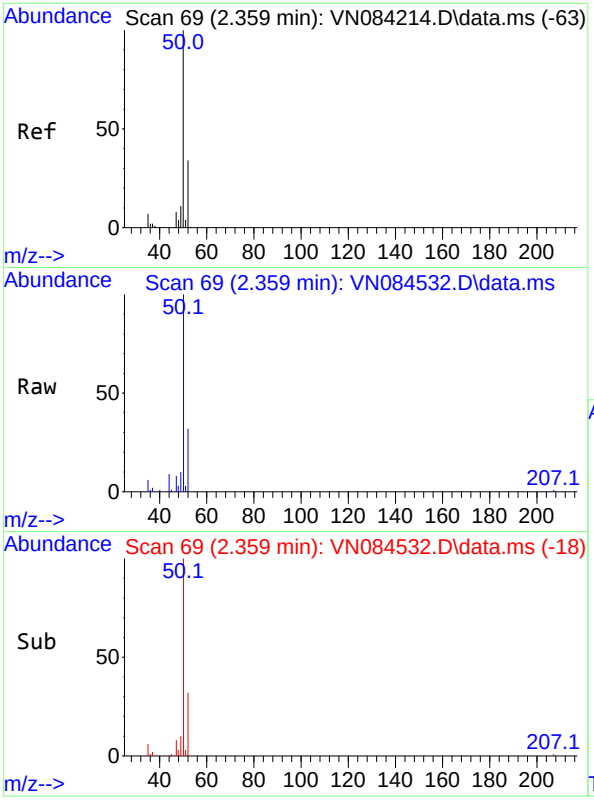


#2
Dichlorodifluoromethane
Concen: 17.192 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 85 Resp: 32114

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.6	52.9



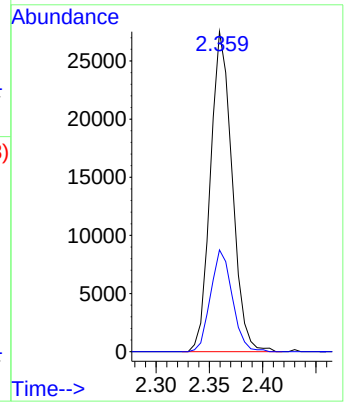


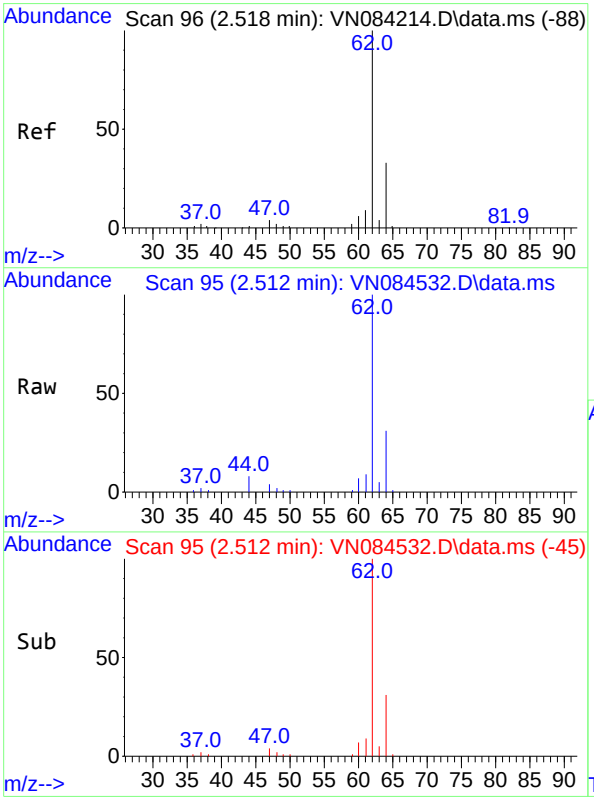
#3
Chloromethane
Concen: 18.255 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 50 Resp: 38936

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2

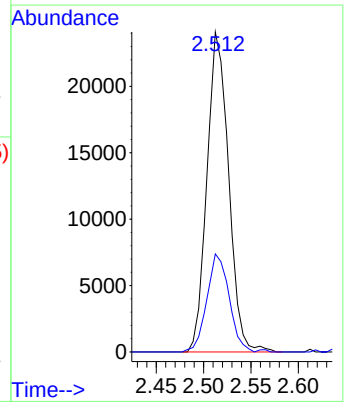


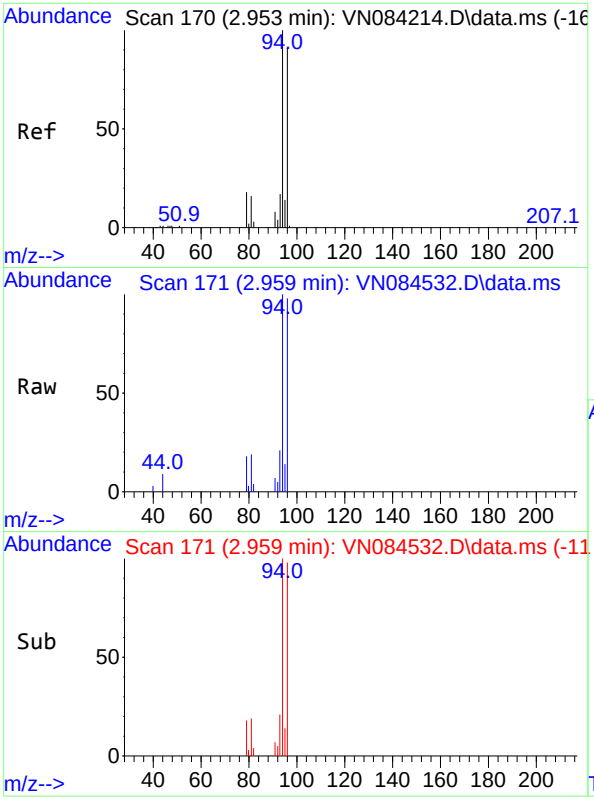


#4
Vinyl Chloride
Concen: 18.562 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 62 Resp: 38348

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4



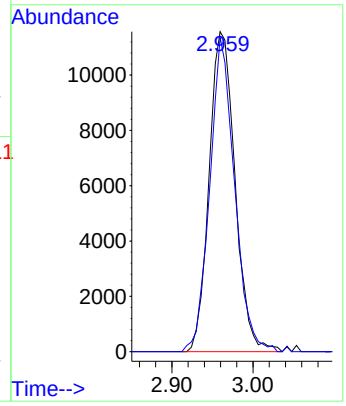


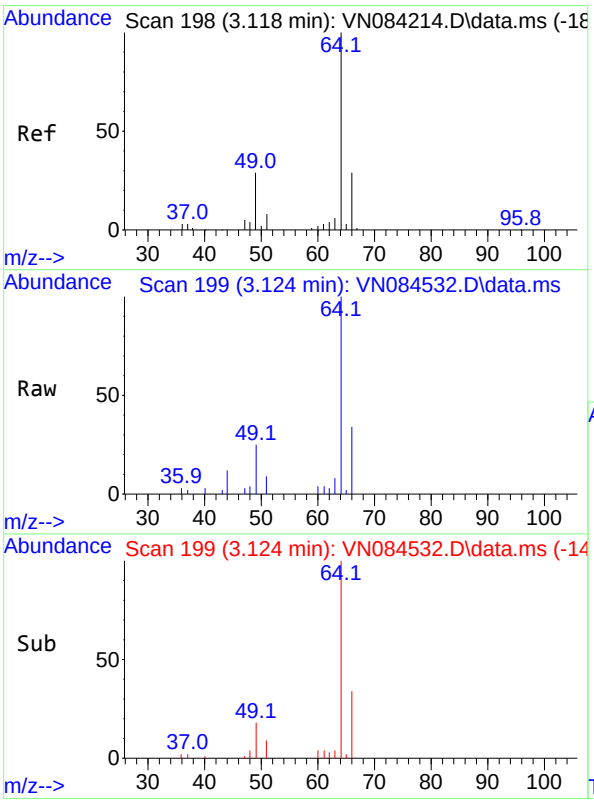
#5
Bromomethane
Concen: 18.813 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 94 Resp: 25637

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.9	109.3

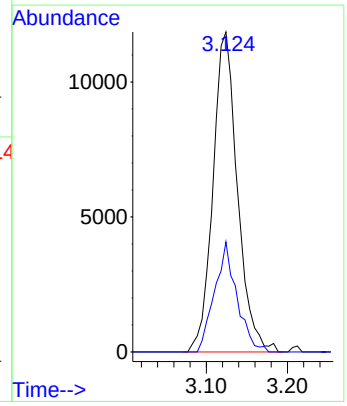


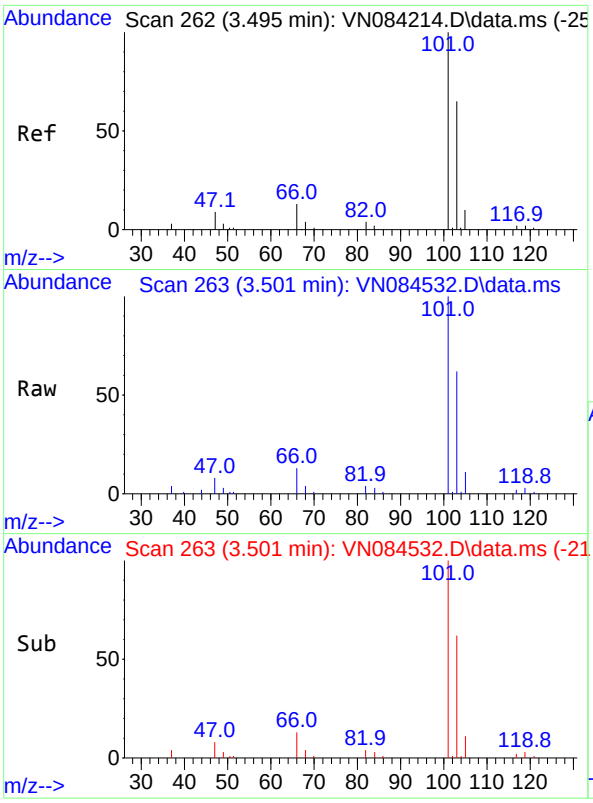


#6
Chloroethane
Concen: 16.775 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 64 Resp: 24820

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.5	35.3



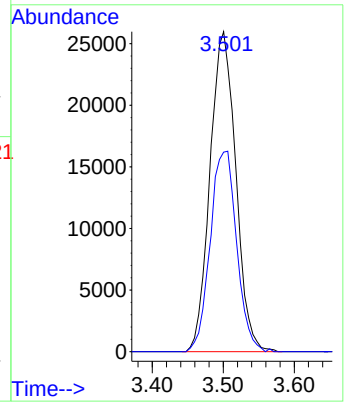


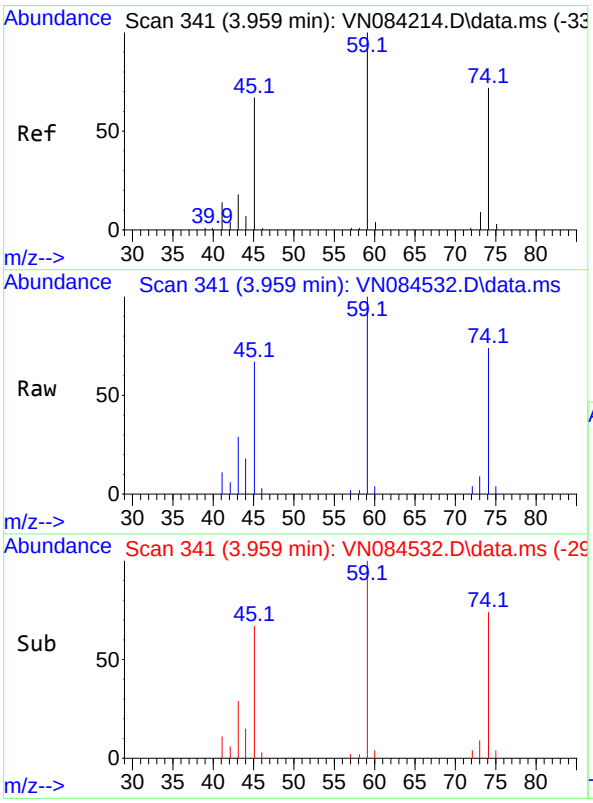
#7
Trichlorofluoromethane
Concen: 20.375 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:101 Resp: 65549

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.6

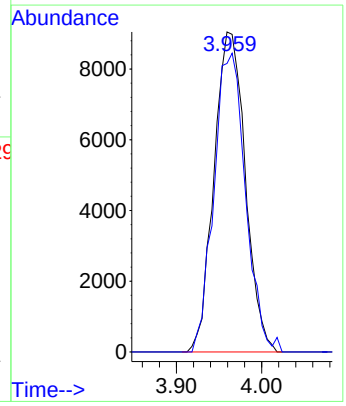


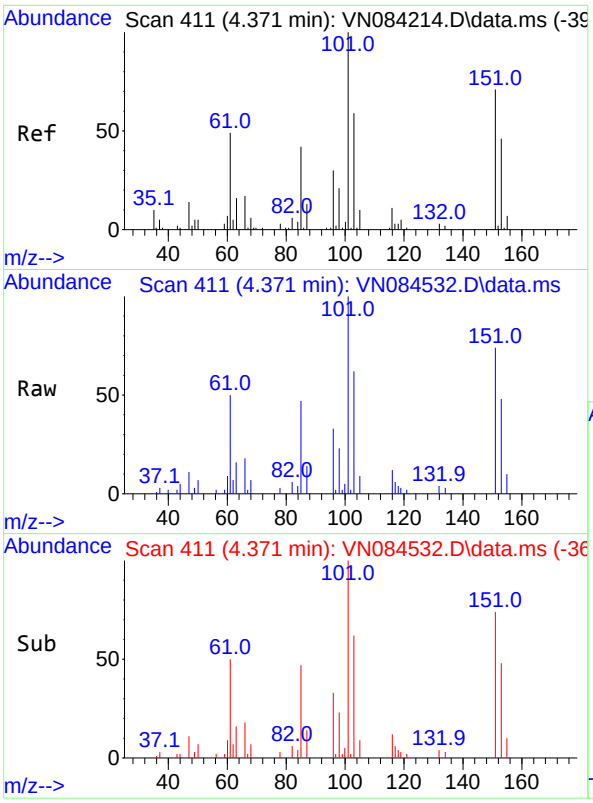


#8
Diethyl Ether
Concen: 19.390 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 74 Resp: 23136

Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.7	143.1



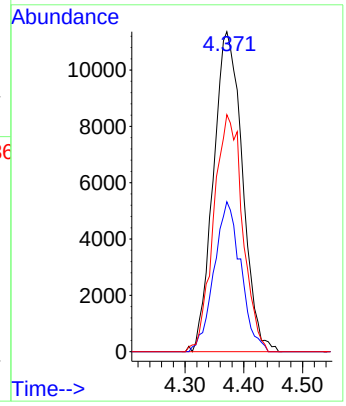


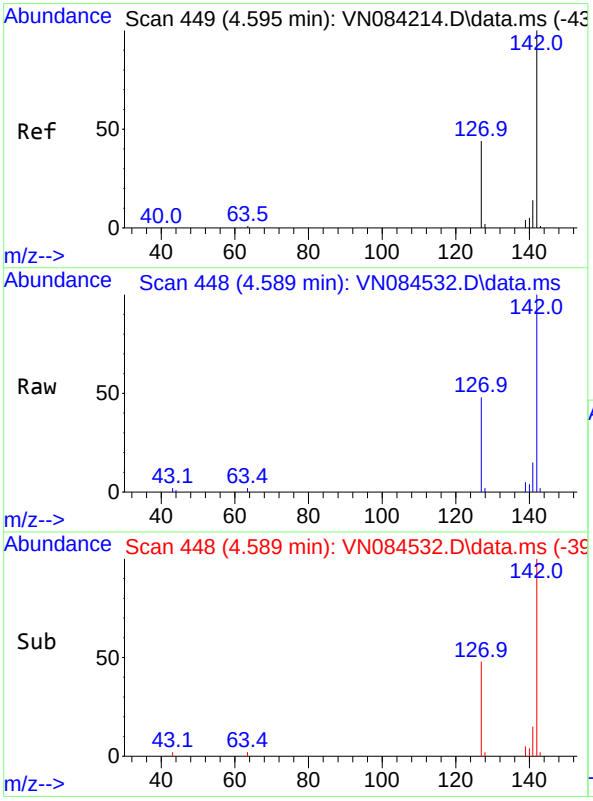
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.139 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:101 Resp: 38968

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	73.8	59.3	88.9

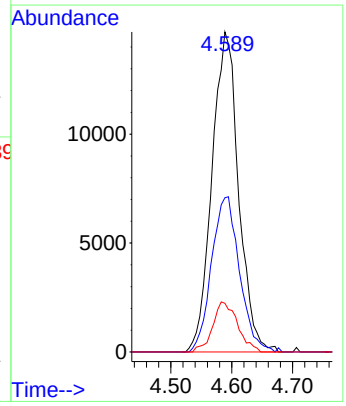


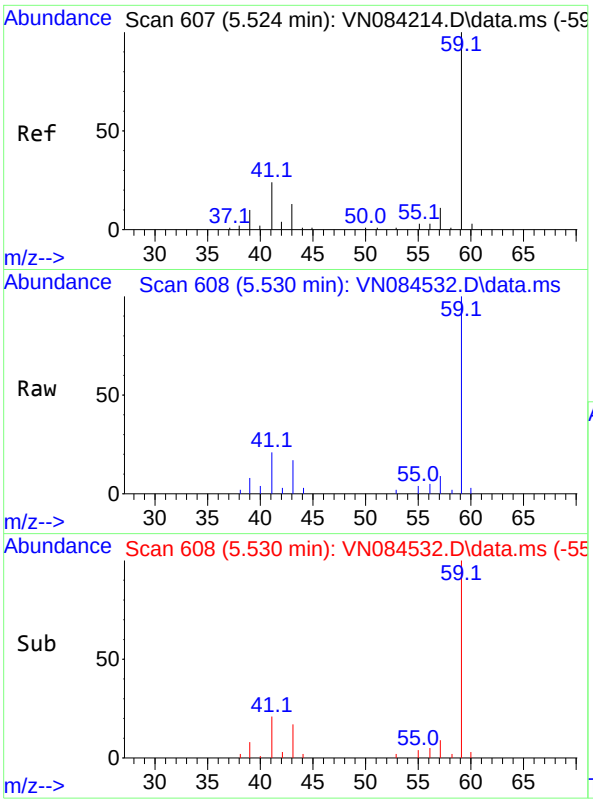


#10
Methyl Iodide
Concen: 18.797 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:142 Resp: 44622

Ion	Ratio	Lower	Upper
142	100		
127	48.2	35.3	52.9
141	15.2	11.0	16.6



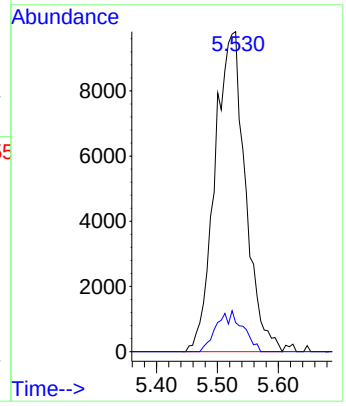


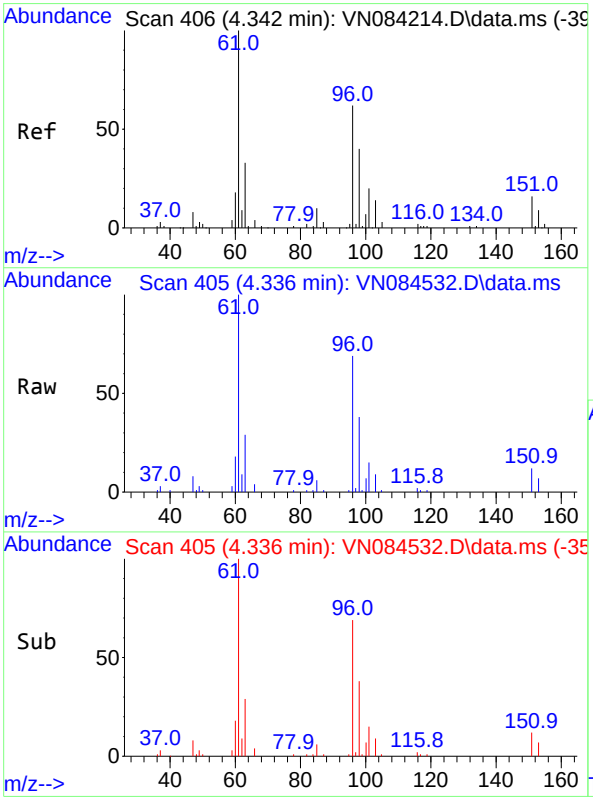
#11
Tert butyl alcohol
Concen: 88.367 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 59 Resp: 34117

Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.2	12.2#

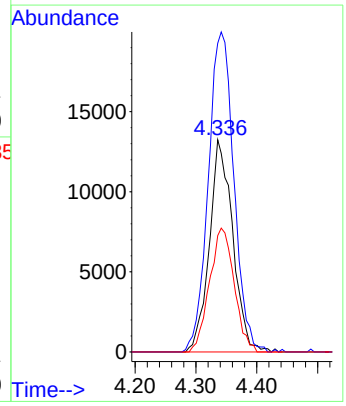


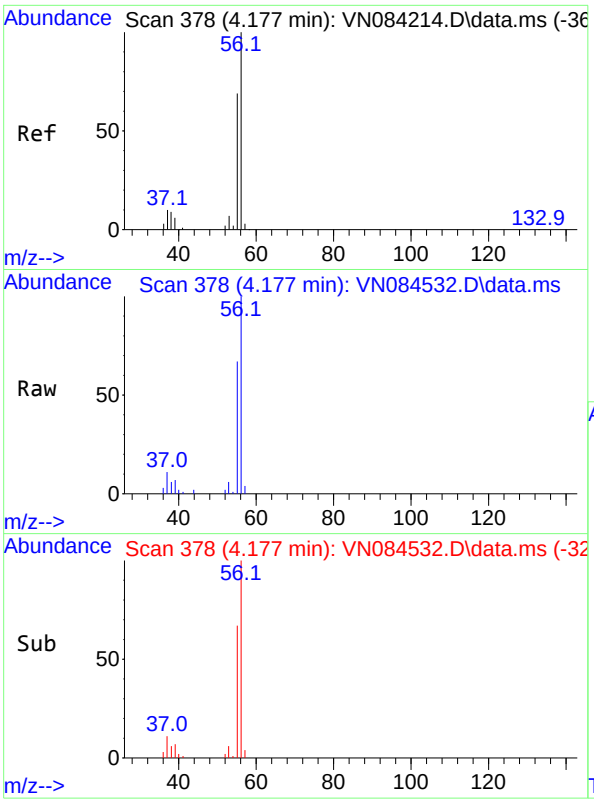


#12
1,1-Dichloroethene
Concen: 19.875 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 96 Resp: 35338

Ion	Ratio	Lower	Upper
96	100		
61	145.5	128.6	192.8
98	54.8	51.7	77.5



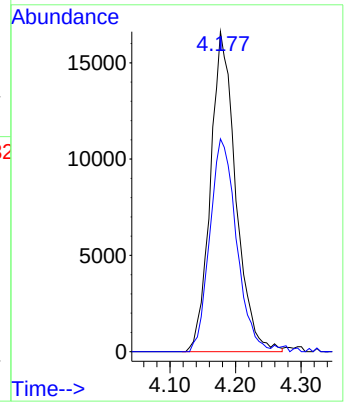


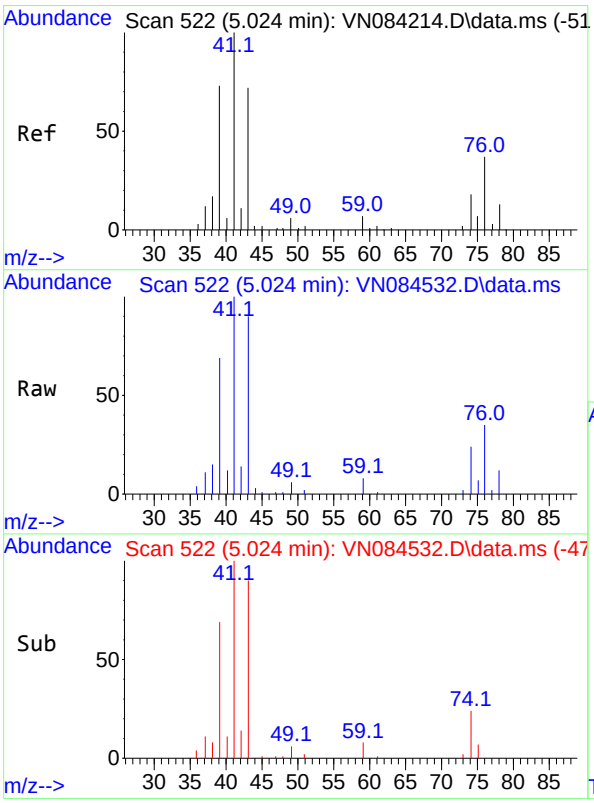
#13
Acrolein
Concen: 100.579 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 56 Resp: 44580

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8

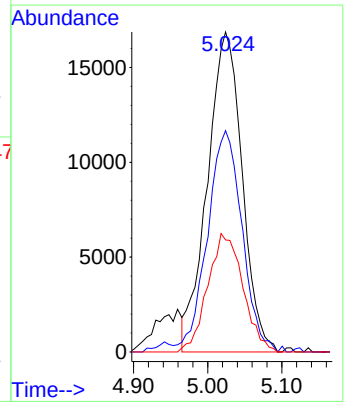


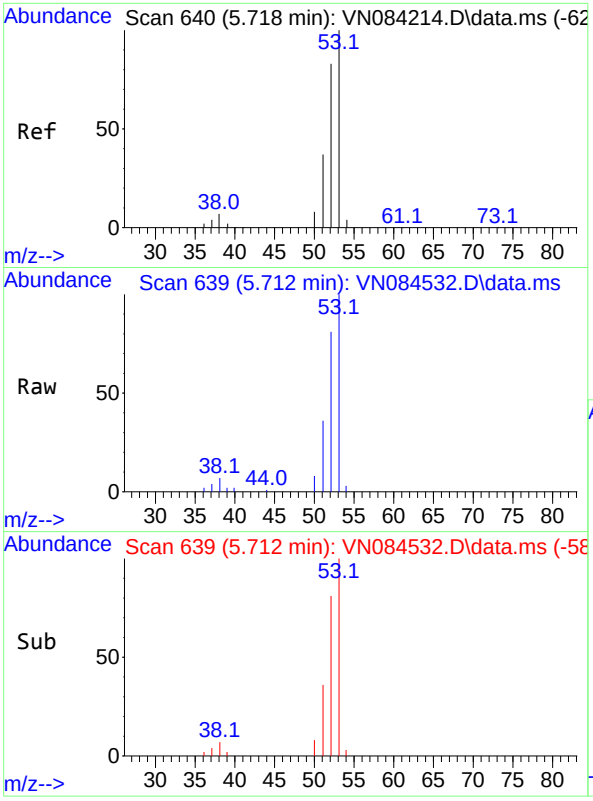


#14
Allyl chloride
Concen: 17.827 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 41 Resp: 55050

Ion	Ratio	Lower	Upper
41	100		
39	69.1	59.0	88.6
76	37.3	29.8	44.6



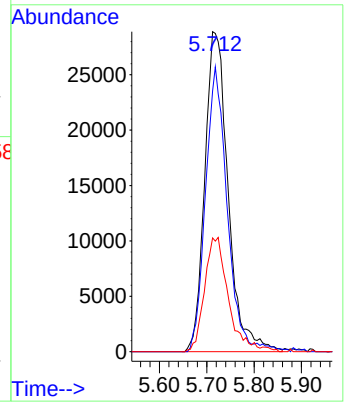


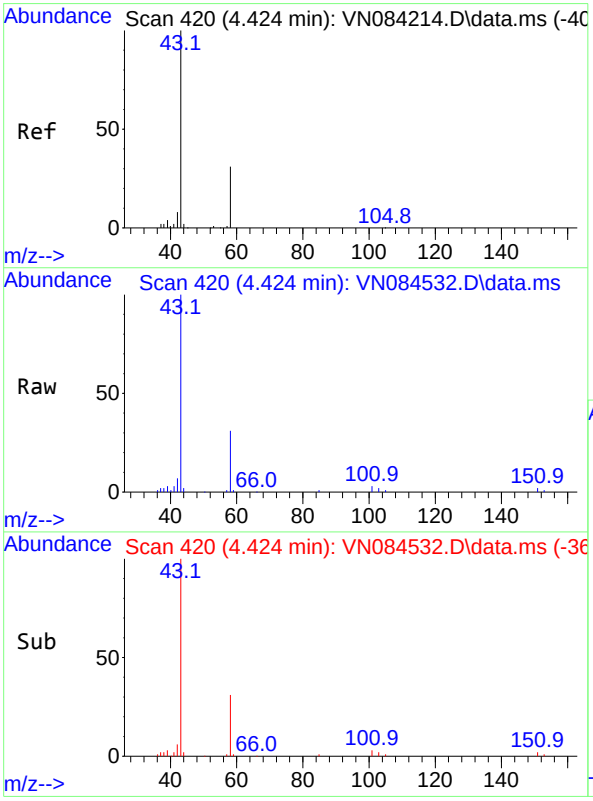
#15
Acrylonitrile
Concen: 101.607 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 53 Resp: 99064

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.4
51	35.8	28.8	43.2

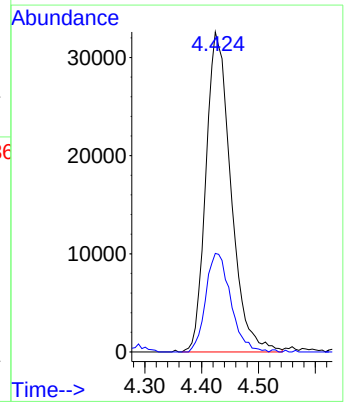


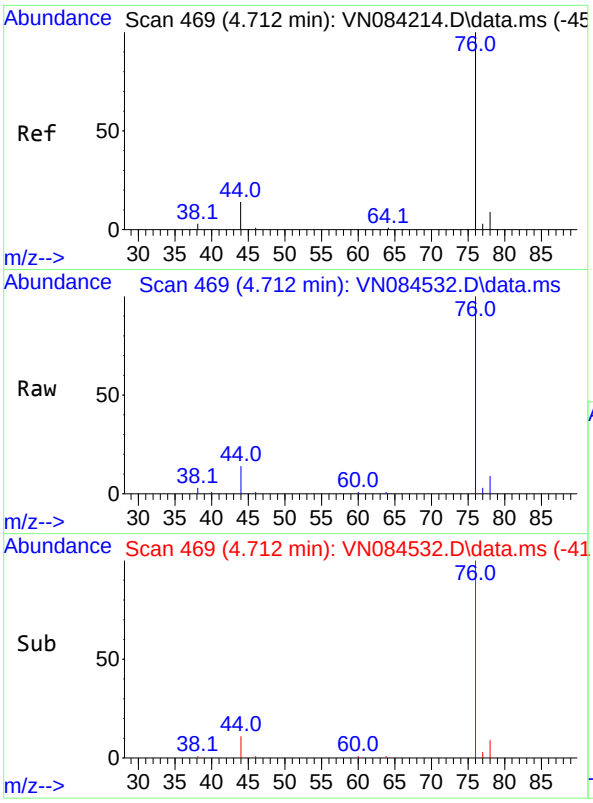


#16
Acetone
Concen: 98.948 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 99525

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.4	36.6



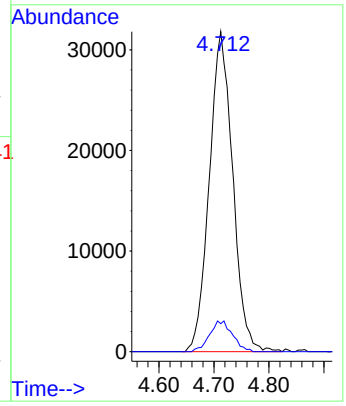


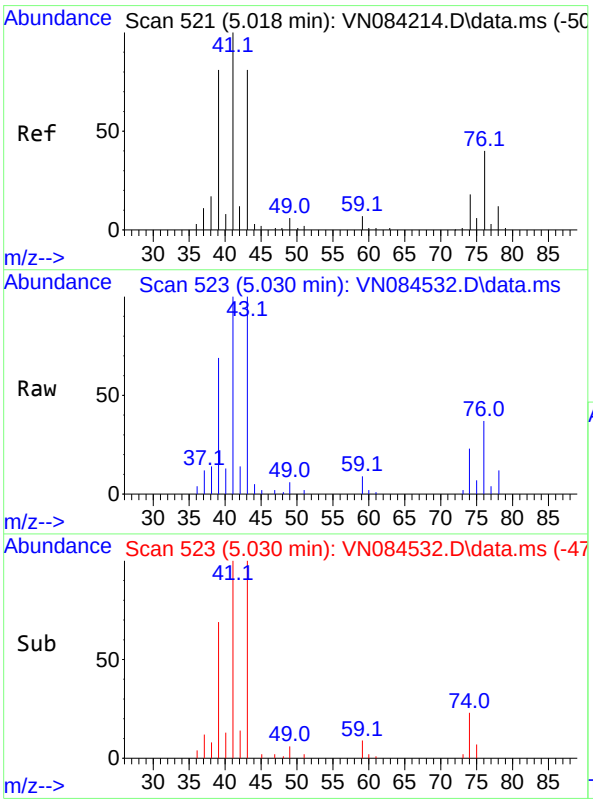
#17
Carbon Disulfide
Concen: 16.735 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 76 Resp: 94208

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

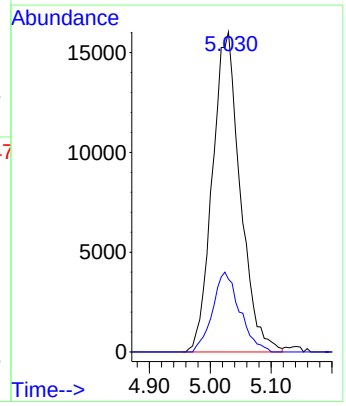


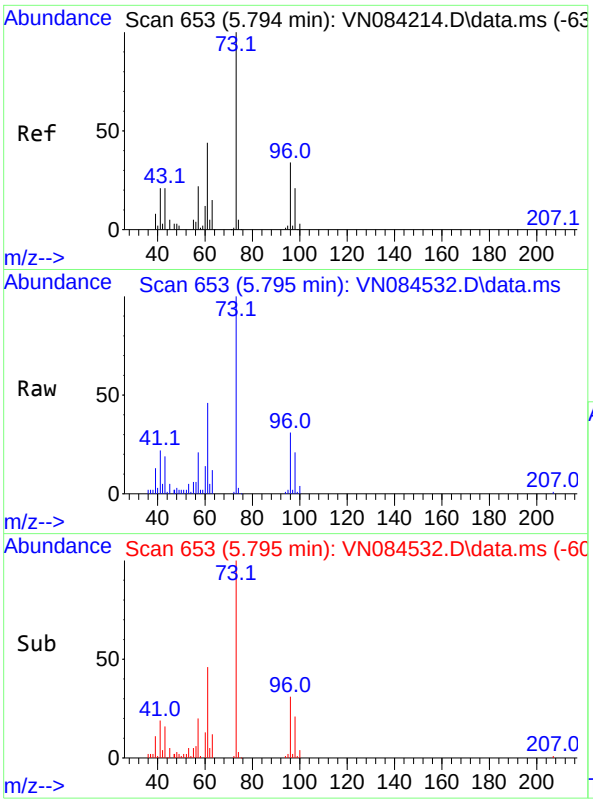


#18
Methyl Acetate
Concen: 23.209 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 50881

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



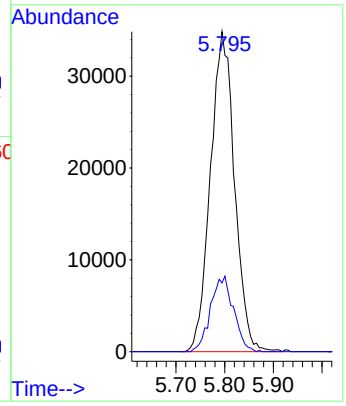


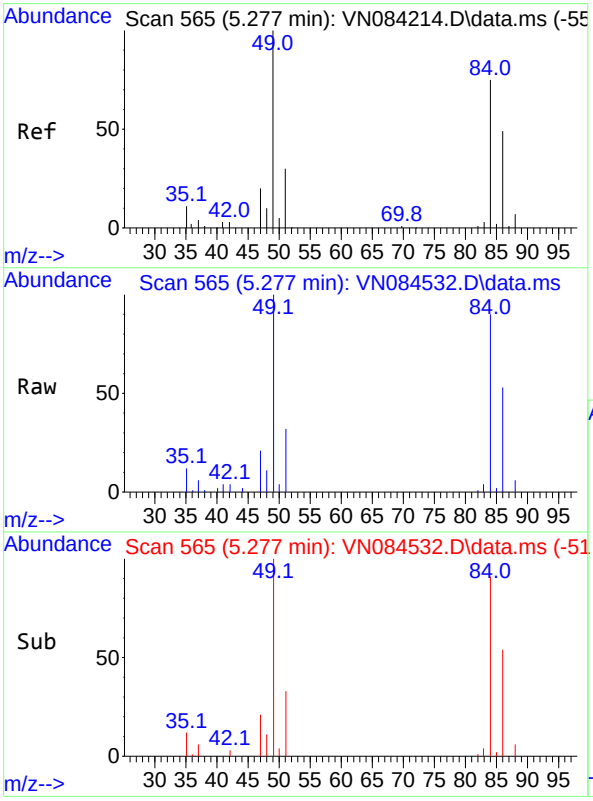
#19
Methyl tert-butyl Ether
Concen: 19.953 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 73 Resp: 119740

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5

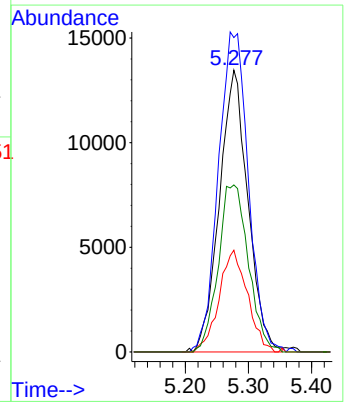


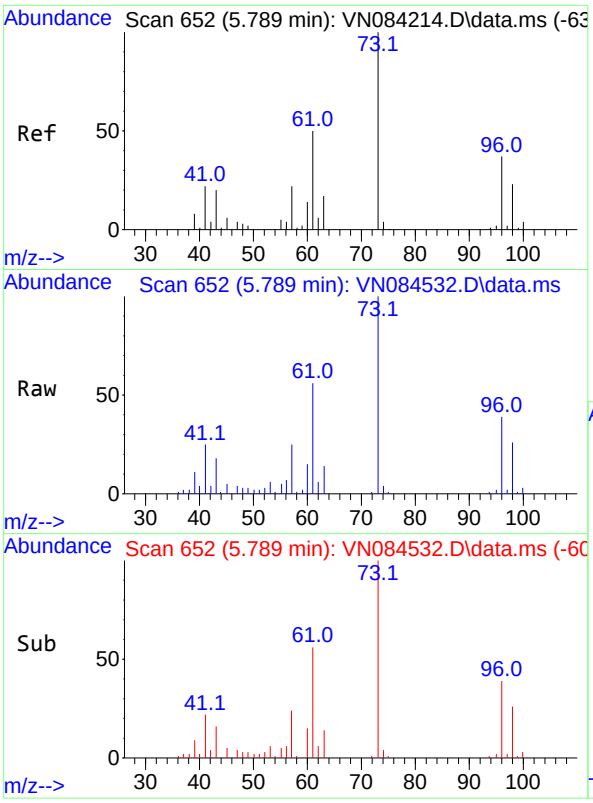


#20
Methylene Chloride
Concen: 20.650 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 84 Resp: 42221

Ion	Ratio	Lower	Upper
84	100		
49	111.6	107.2	160.8
51	36.1	31.8	47.8
86	59.3	52.9	79.3



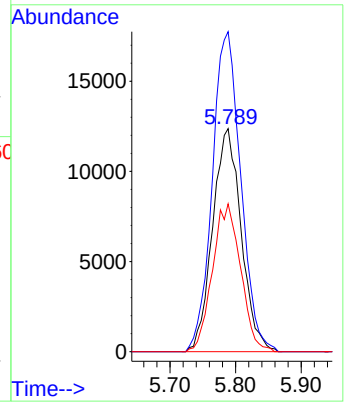


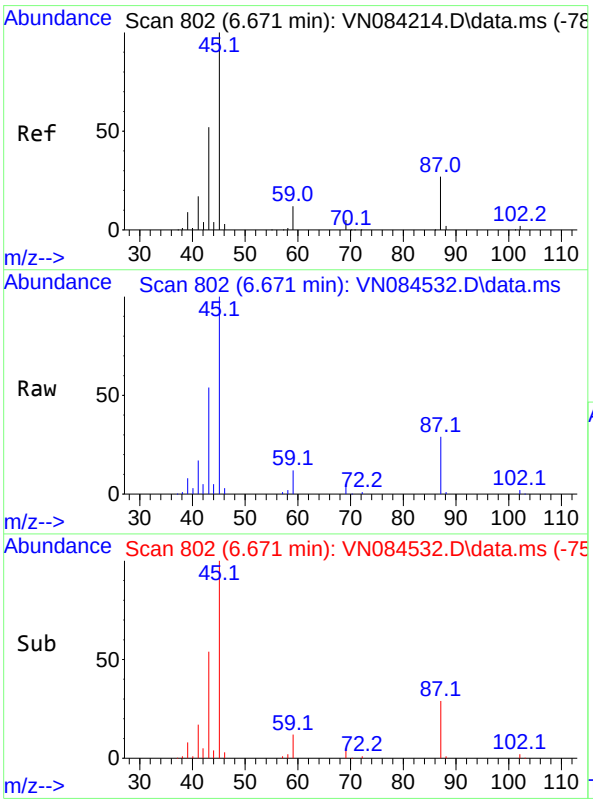
#21
trans-1,2-Dichloroethene
Concen: 20.125 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 96 Resp: 37489

Ion	Ratio	Lower	Upper
96	100		
61	143.4	108.4	162.6
98	66.3	49.8	74.8

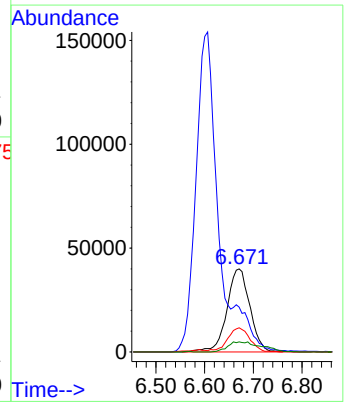


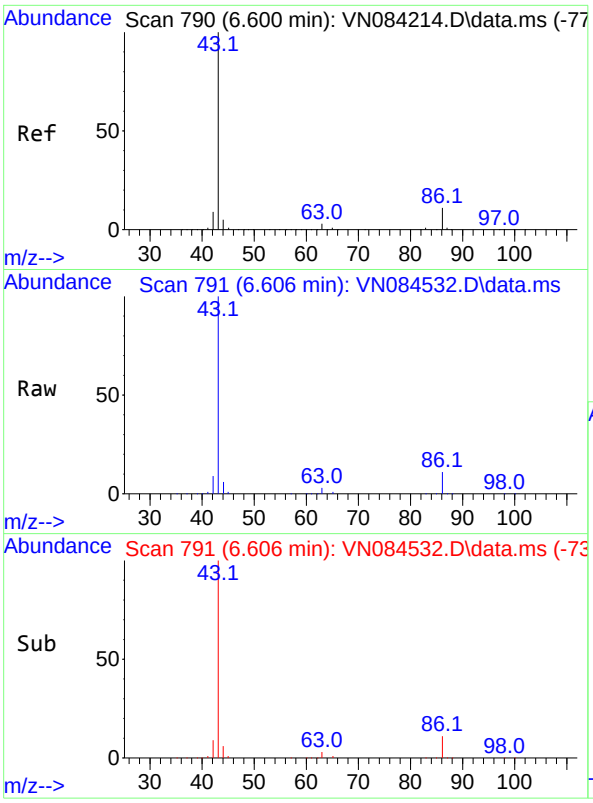


#22
Diisopropyl ether
Concen: 20.488 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 45 Resp: 130862

Ion	Ratio	Lower	Upper
45	100		
43	52.3	42.3	63.5
87	29.2	21.8	32.6
59	12.2	9.6	14.4



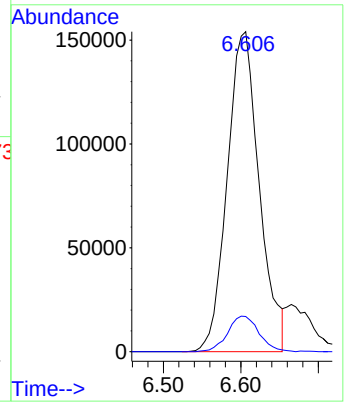


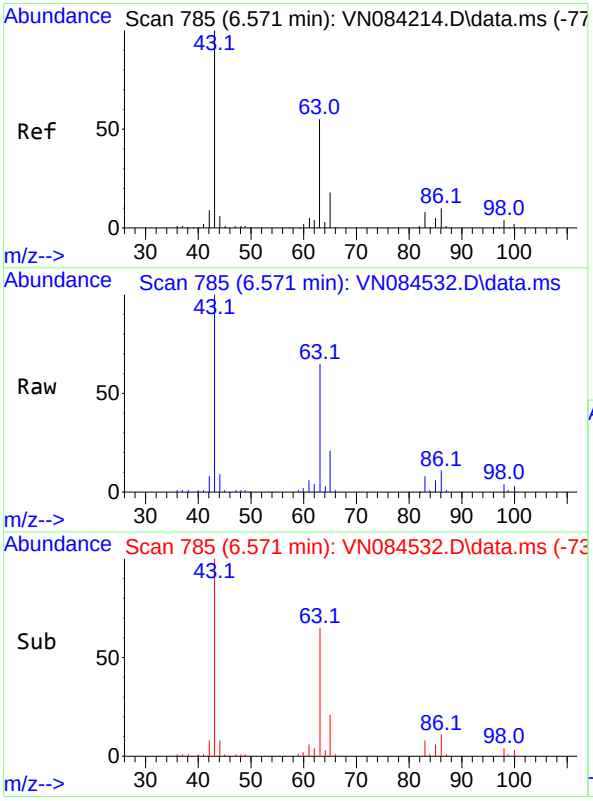
#23
Vinyl Acetate
Concen: 93.823 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 43 Resp: 444486

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8

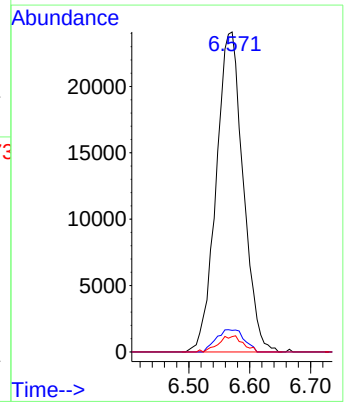


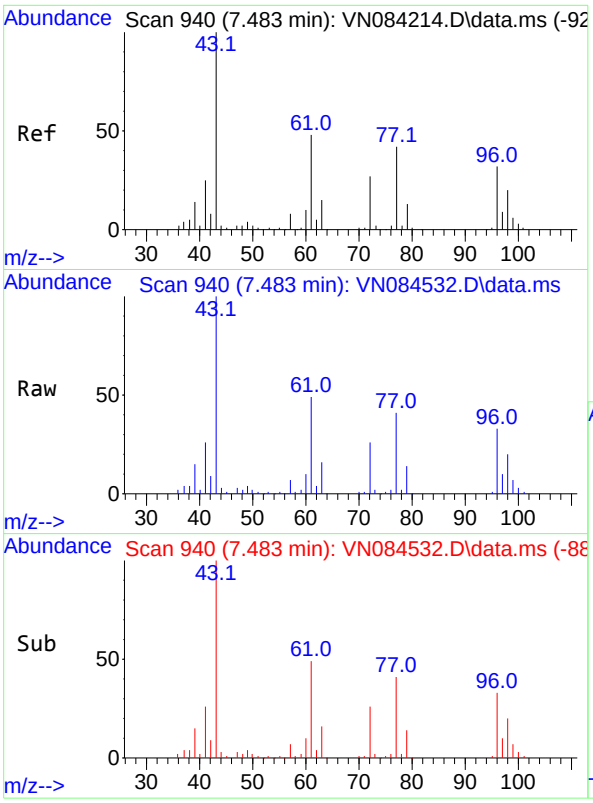


#24
1,1-Dichloroethane
Concen: 20.752 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 63 Resp: 74124

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.8	2.0	5.8



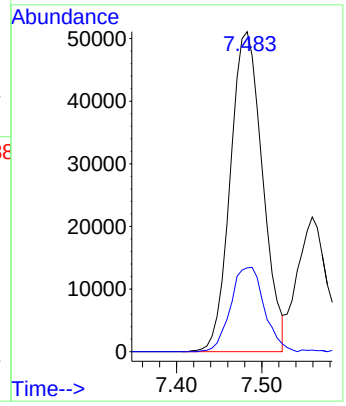


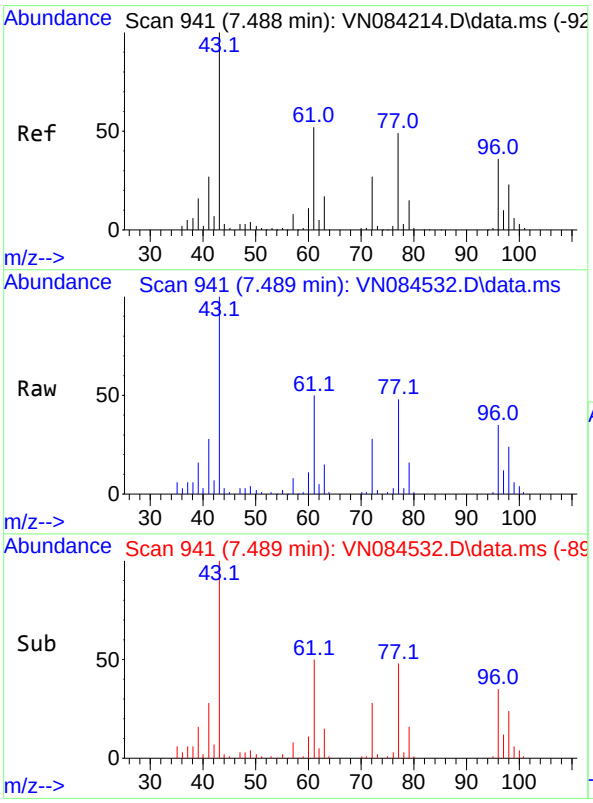
#25
2-Butanone
Concen: 98.117 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 43 Resp: 134417

Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.4	32.2

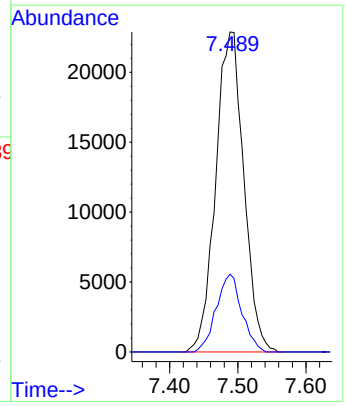


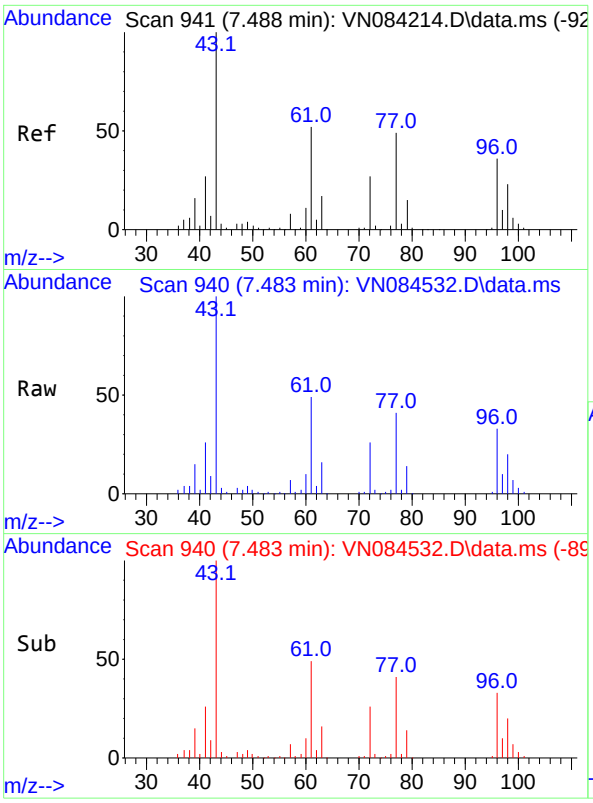


#26
2,2-Dichloropropane
Concen: 20.376 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 77 Resp: 65625

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



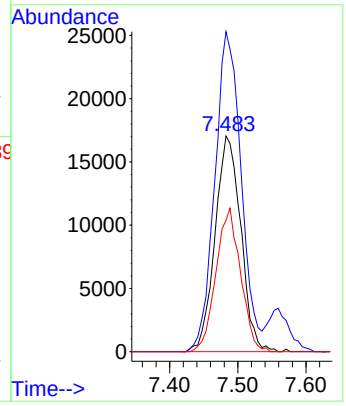


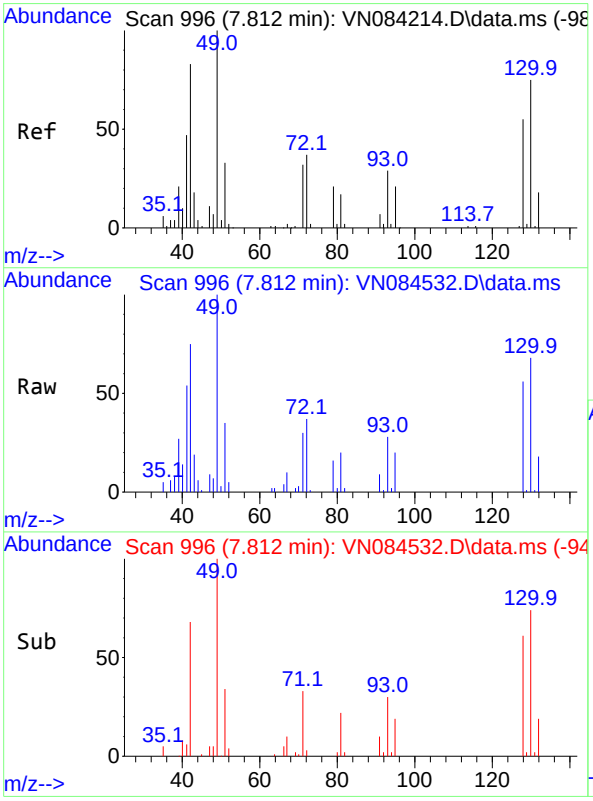
#27
cis-1,2-Dichloroethene
Concen: 19.930 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 96 Resp: 44862

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	301.8
98	63.3	0.0	128.2

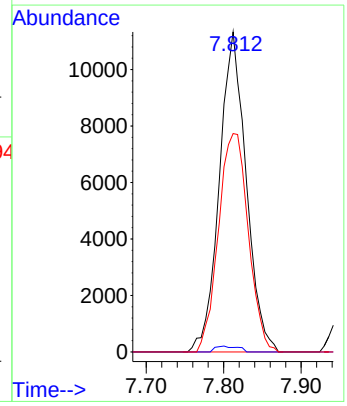


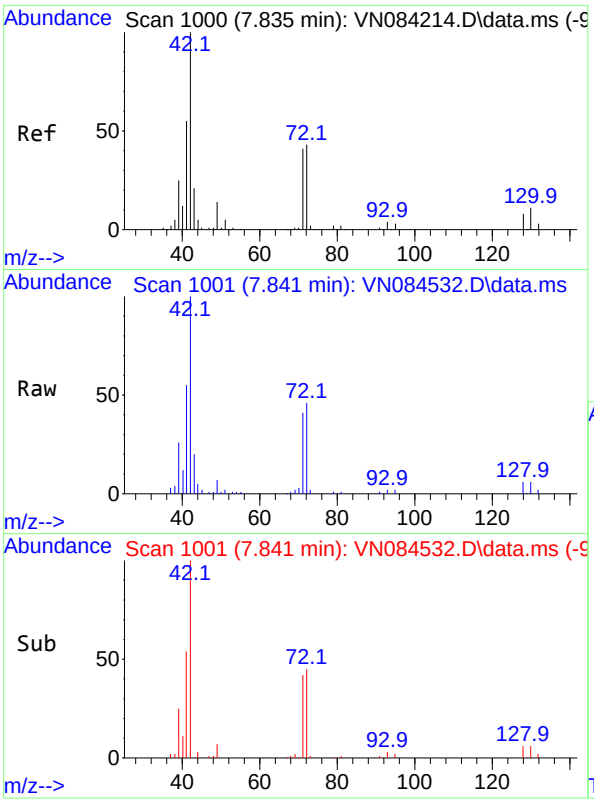


#28
Bromochloromethane
Concen: 17.111 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 49 Resp: 27270

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	75.8	58.0	87.0



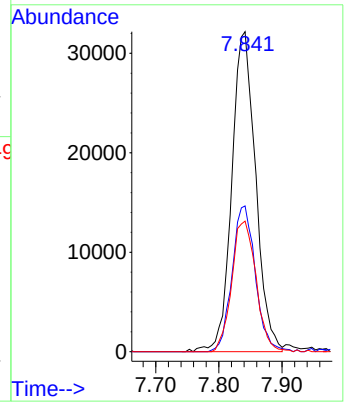


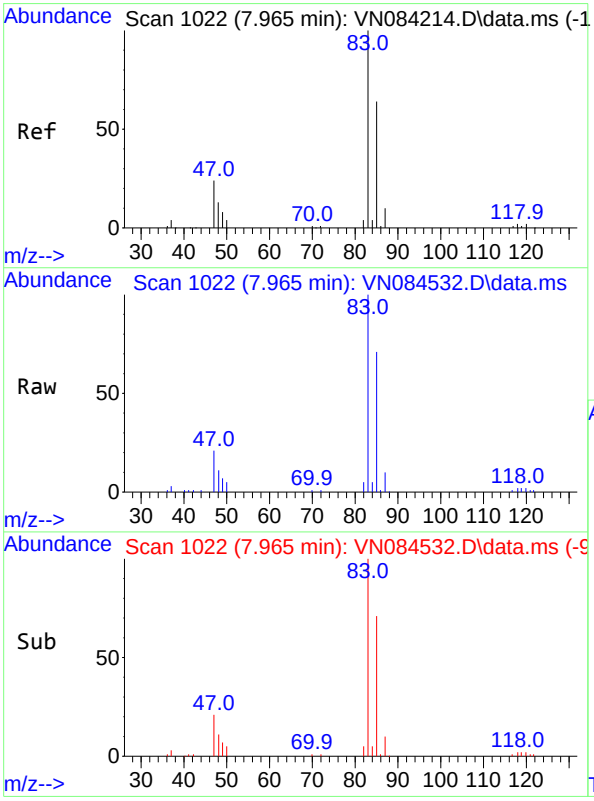
#29
Tetrahydrofuran
Concen: 99.900 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 42 Resp: 84458

Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	41.5	32.2	48.4

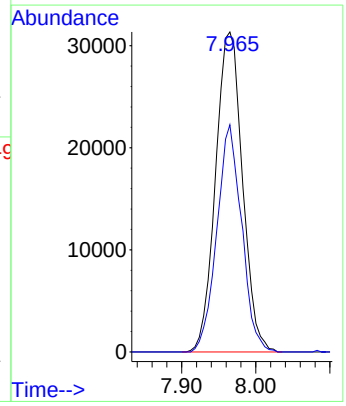


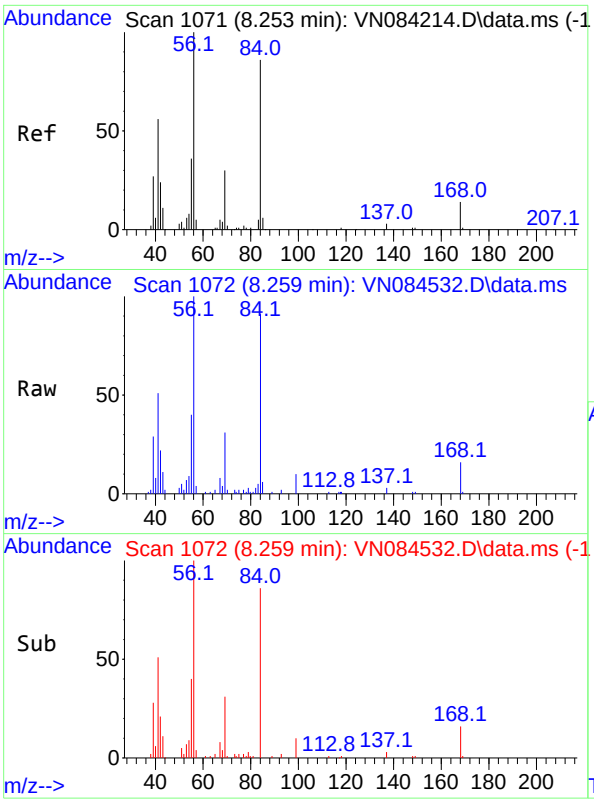


#30
Chloroform
Concen: 21.308 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 83 Resp: 79062

Ion	Ratio	Lower	Upper
83	100		
85	71.0	51.0	76.4



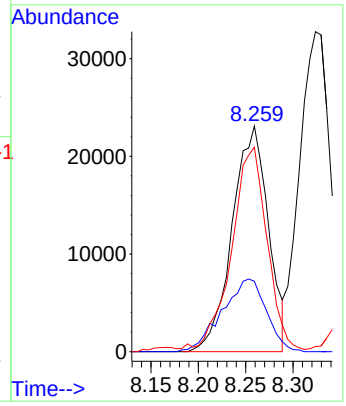


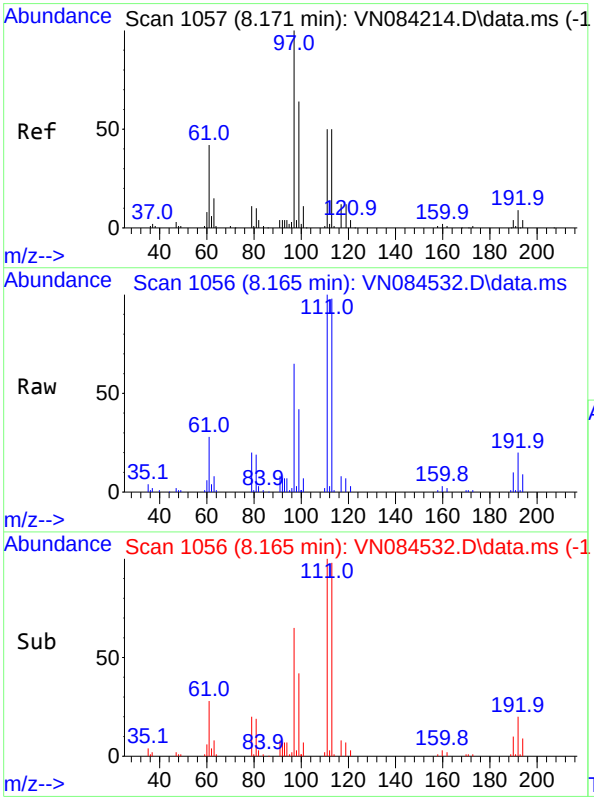
#31
Cyclohexane
Concen: 17.655 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 56 Resp: 61230

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.6
84	89.2	68.8	103.2

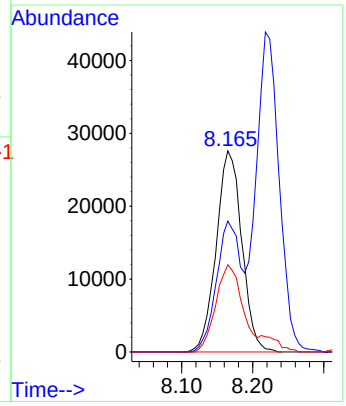


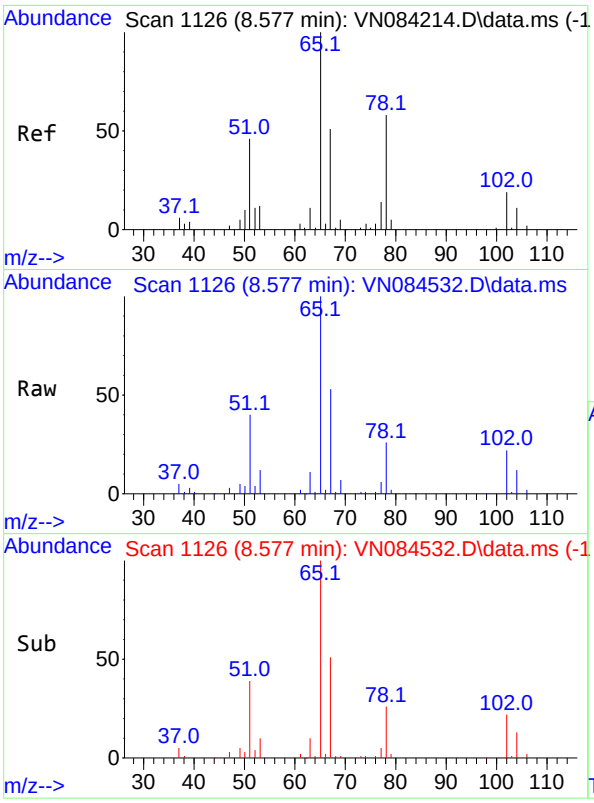


#32
1,1,1-Trichloroethane
Concen: 20.714 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 97 Resp: 69025

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.2	76.8
61	50.7	37.5	56.3



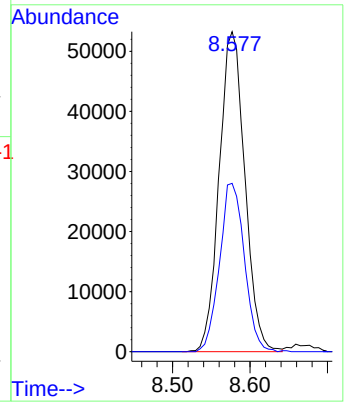


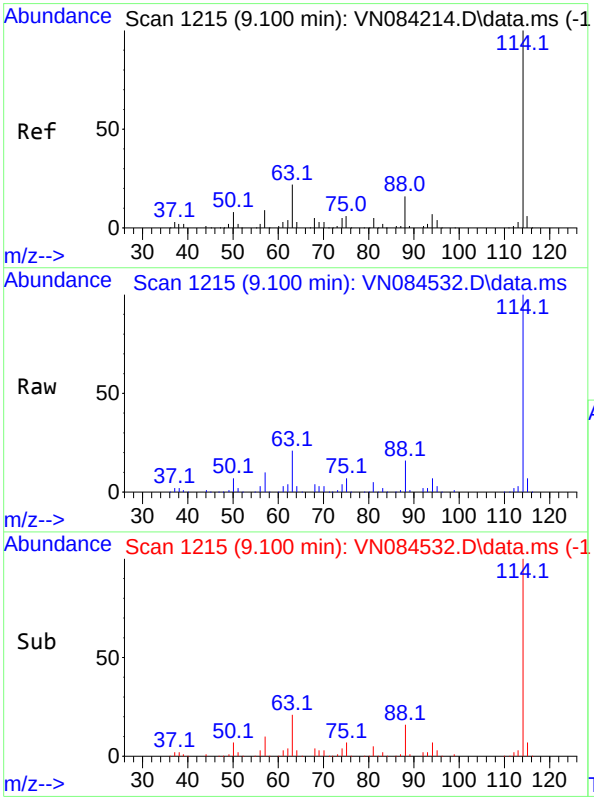
#33
1,2-Dichloroethane-d4
Concen: 52.389 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 65 Resp: 122667

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0

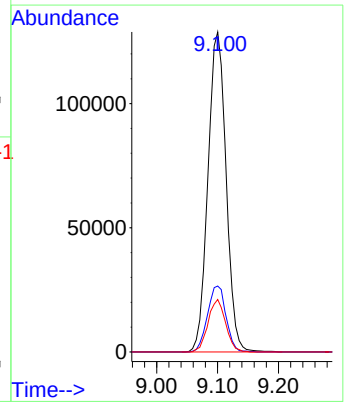


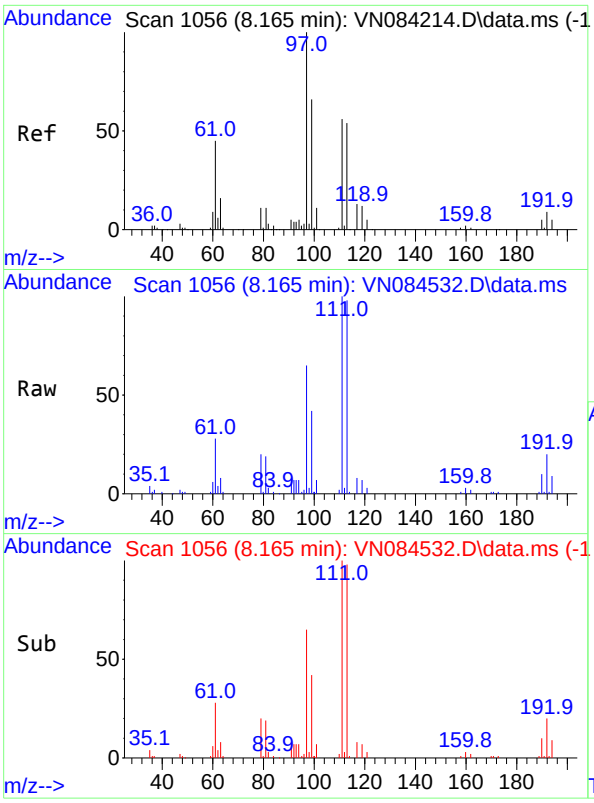


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:114 Resp: 266847

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	16.4	0.0	31.6



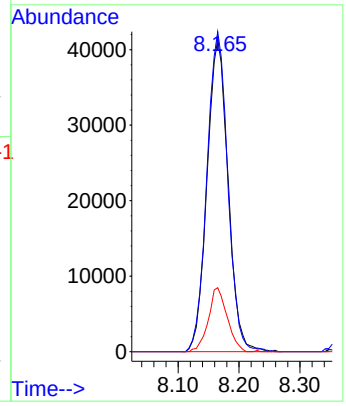


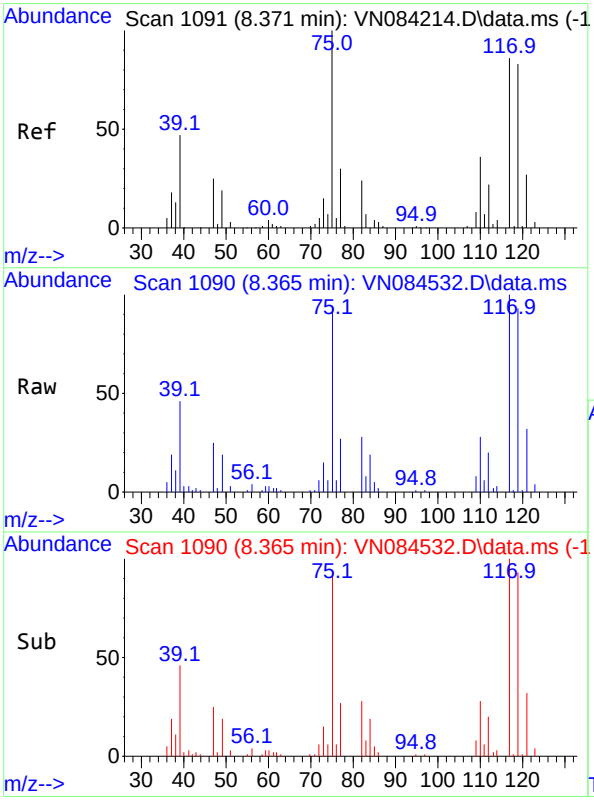
#35
Dibromofluoromethane
Concen: 56.449 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:113 Resp: 99307

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.3	124.9
192	18.3	13.5	20.3

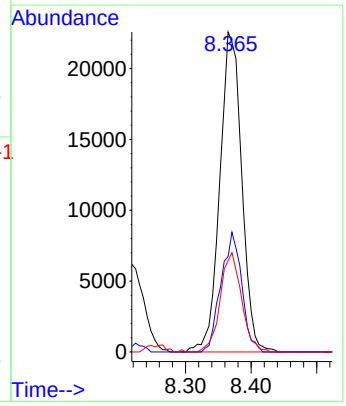


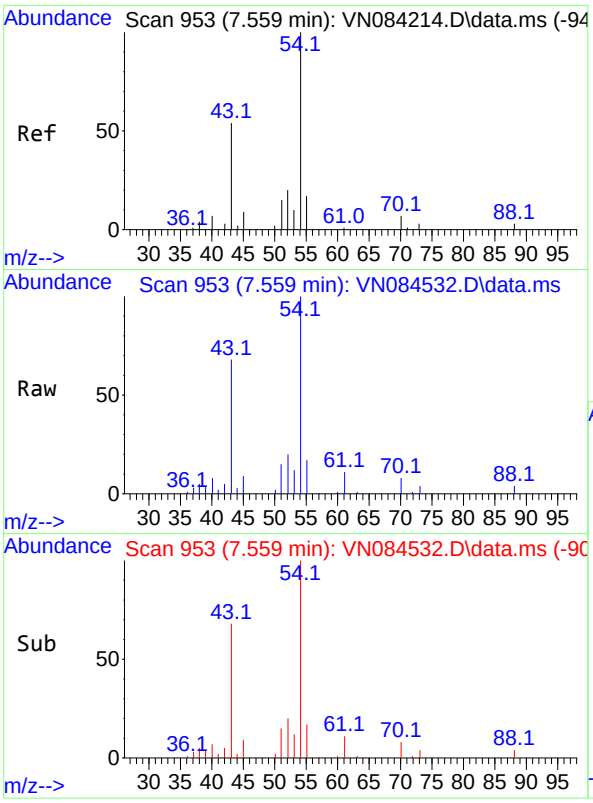


#36
1,1-Dichloropropene
Concen: 20.510 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 52411

Ion	Ratio	Lower	Upper
75	100		
110	35.4	16.9	50.7
77	30.1	24.7	37.1



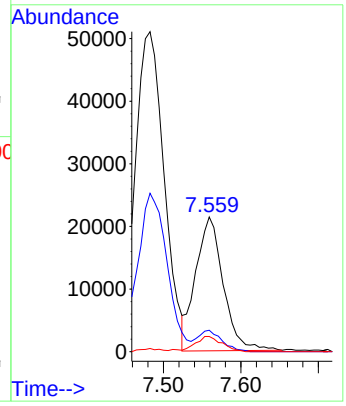


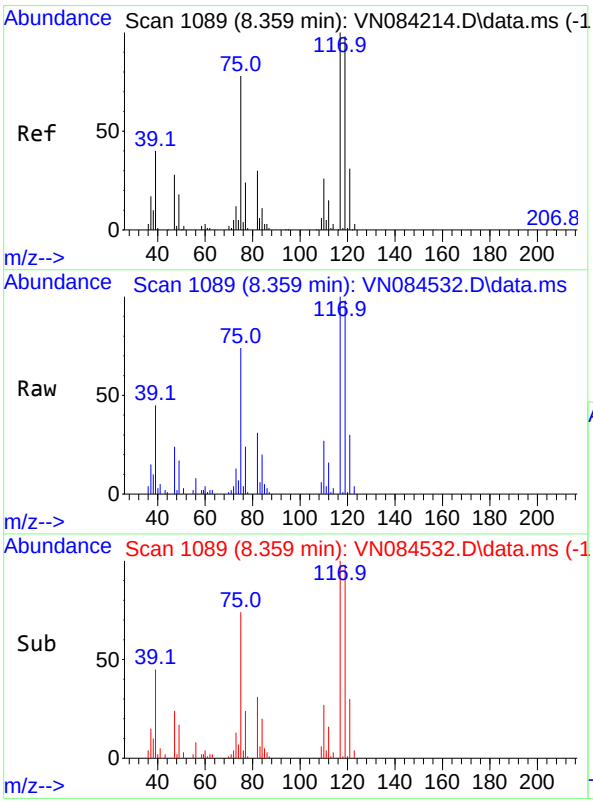
#37
Ethyl Acetate
Concen: 20.135 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 43 Resp: 52784

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	11.4	8.8	13.2

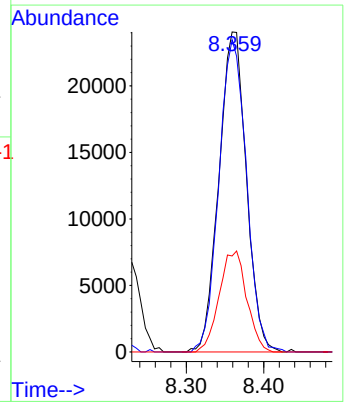


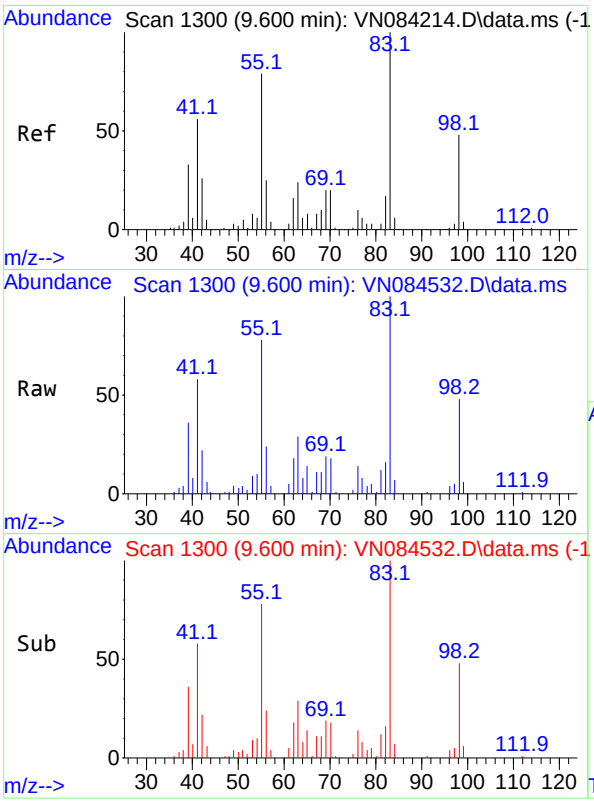


#38
Carbon Tetrachloride
Concen: 21.128 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:117 Resp: 59224

Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.7	118.1
121	30.0	24.4	36.6



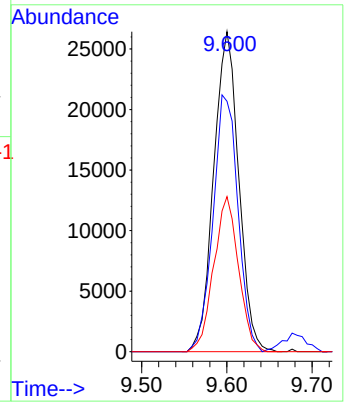


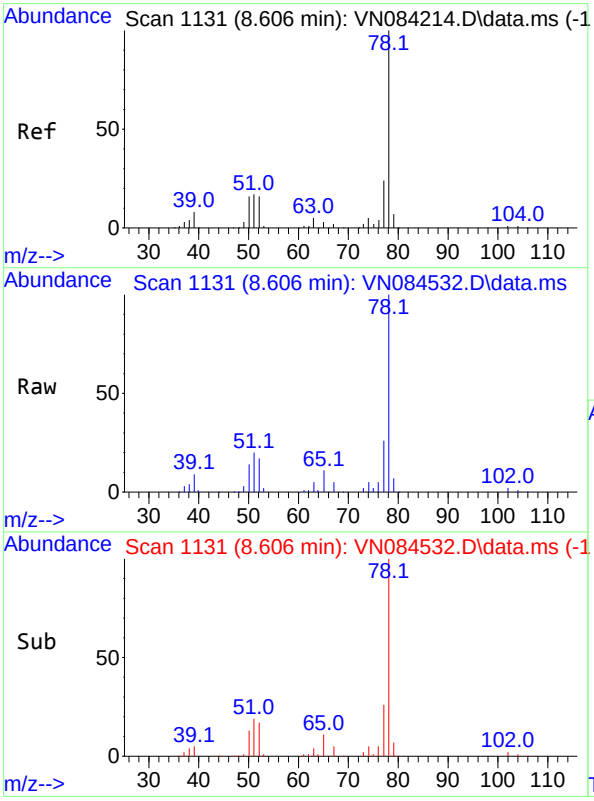
#39
Methylcyclohexane
Concen: 18.970 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 83 Resp: 53950

Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.8	94.2
98	48.5	38.8	58.2

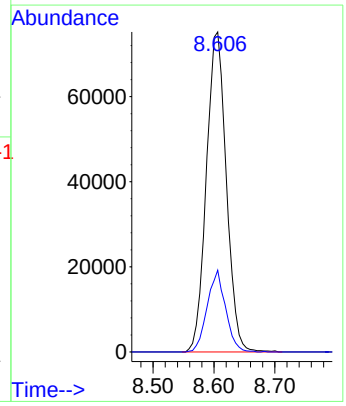


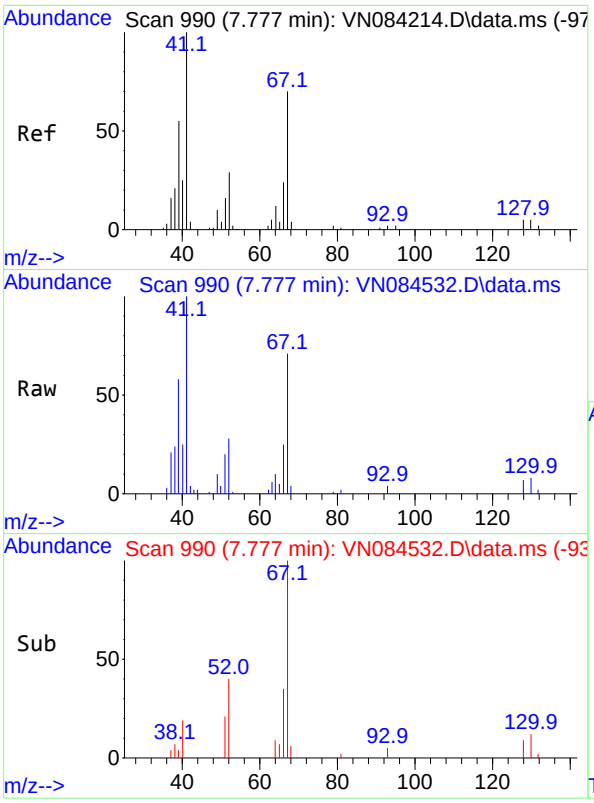


#40
Benzene
Concen: 21.524 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 78 Resp: 171367

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.1	28.7



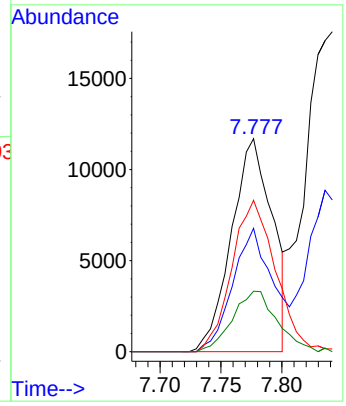


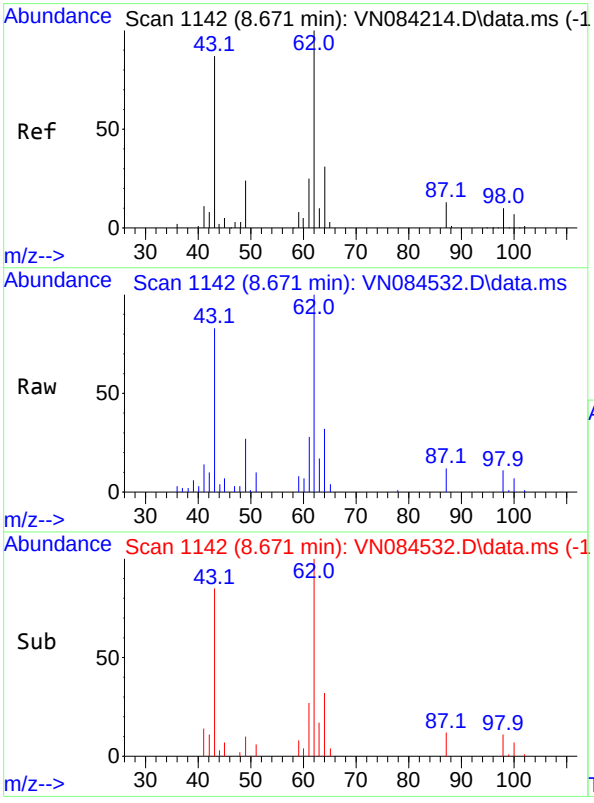
#41
Methacrylonitrile
Concen: 19.240 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 41 Resp: 27383

Ion	Ratio	Lower	Upper
41	100		
39	57.5	43.3	64.9
67	75.9	56.1	84.1
52	31.0	24.5	36.7

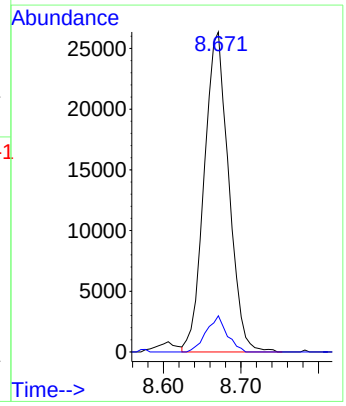


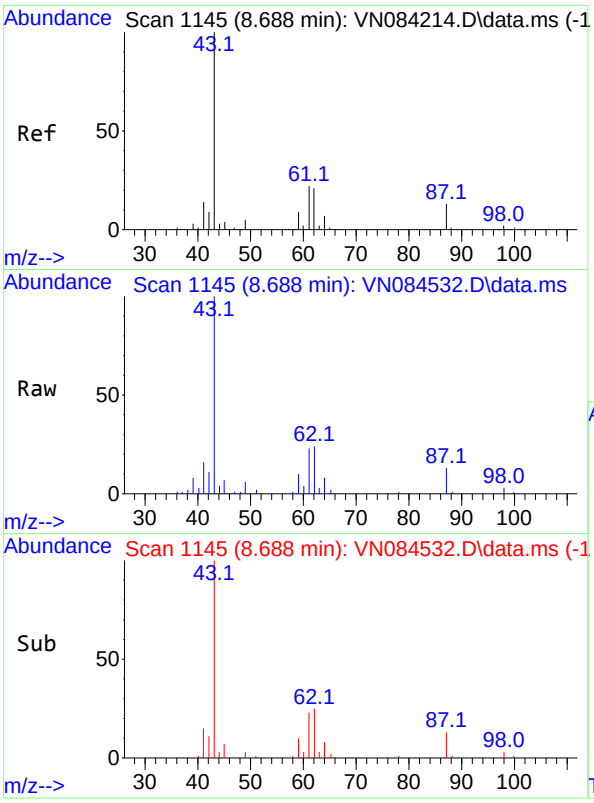


#42
1,2-Dichloroethane
Concen: 21.400 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 62 Resp: 57759

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



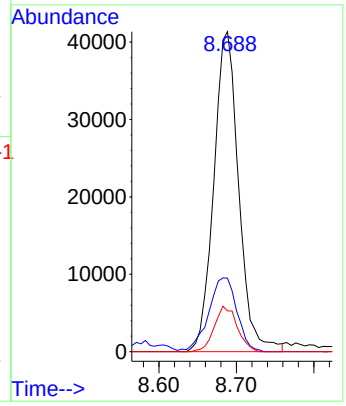


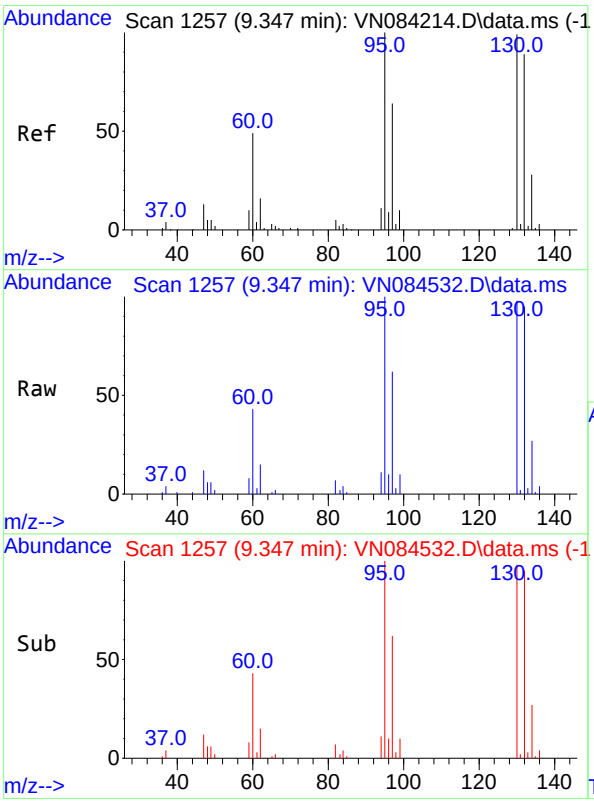
#43
Isopropyl Acetate
Concen: 17.998 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 43 Resp: 92418

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.4	30.6
87	13.1	10.3	15.5

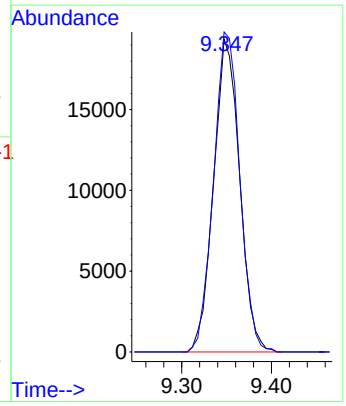


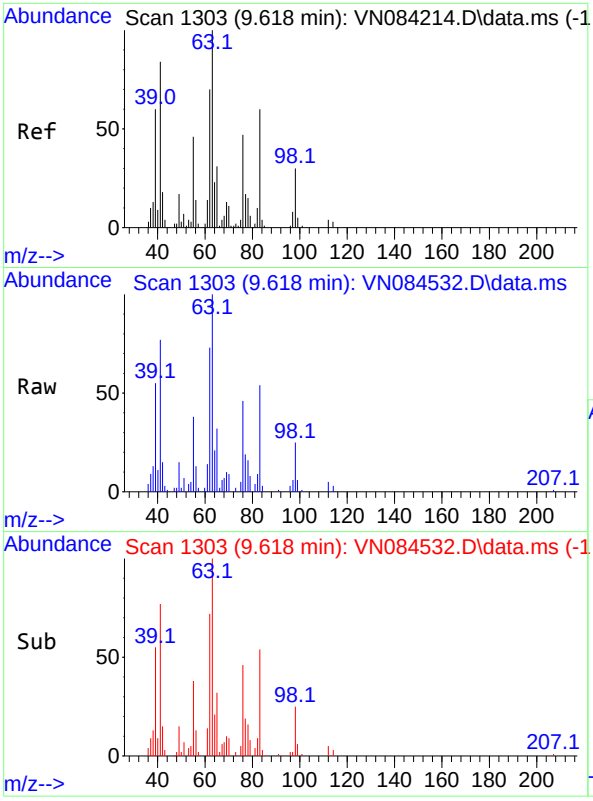


#44
Trichloroethene
Concen: 21.005 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:130 Resp: 39058

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	203.0



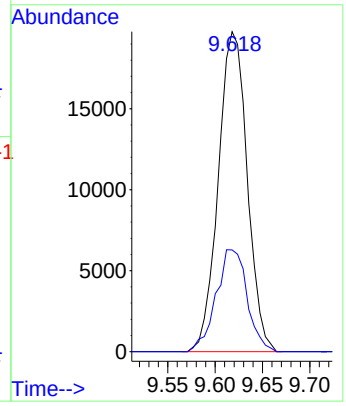


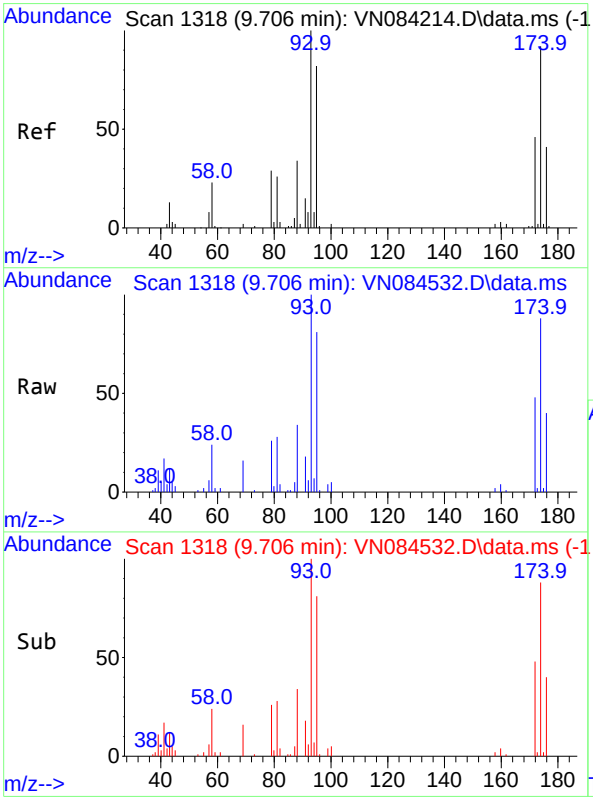
#45
1,2-Dichloropropane
Concen: 22.283 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 63 Resp: 41968

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.6	37.0

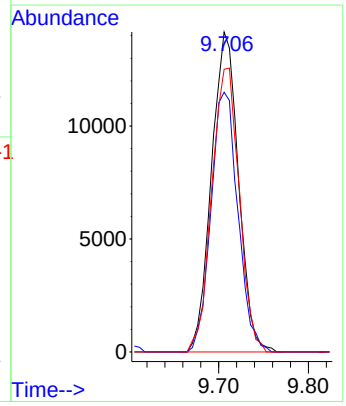


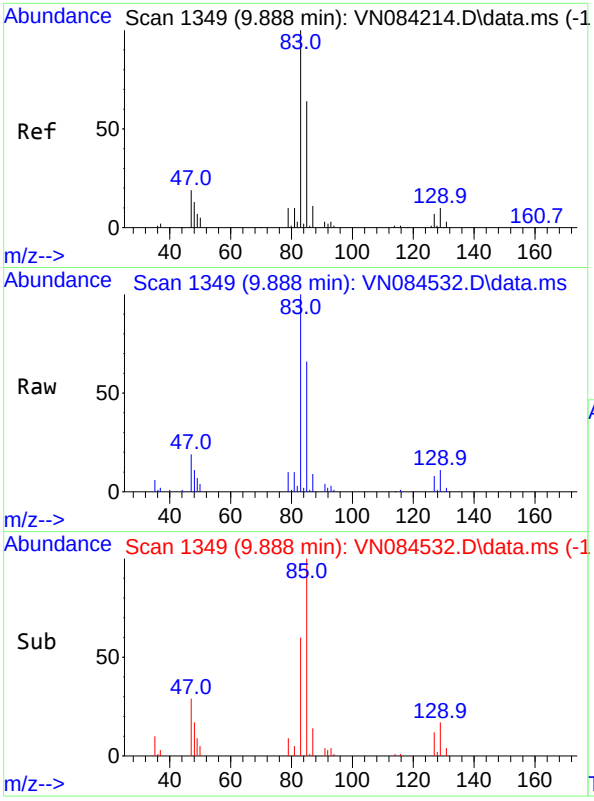


#46
Dibromomethane
Concen: 23.232 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 93 Resp: 29527

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	90.2	71.8	107.8



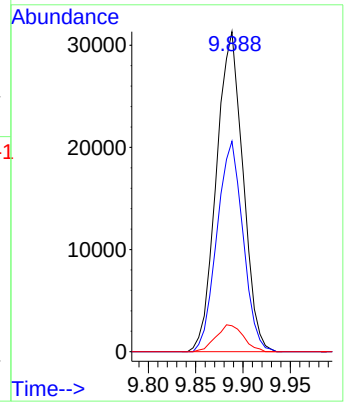


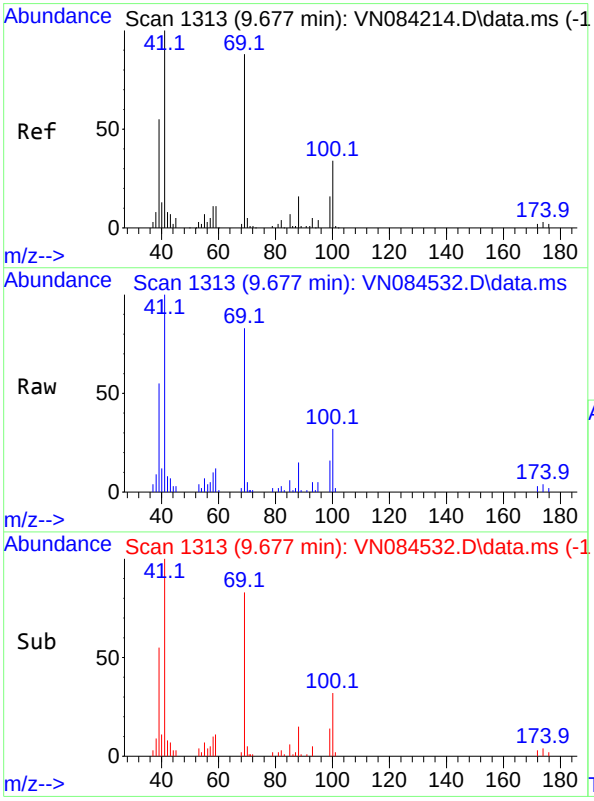
#47
Bromodichloromethane
Concen: 21.657 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 83 Resp: 61153

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	8.1	5.7	8.5

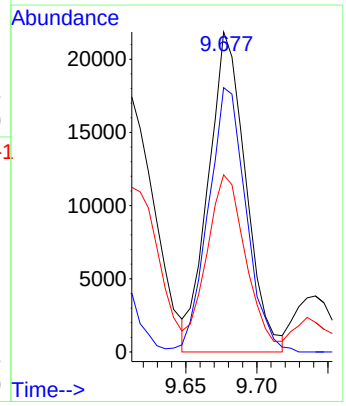


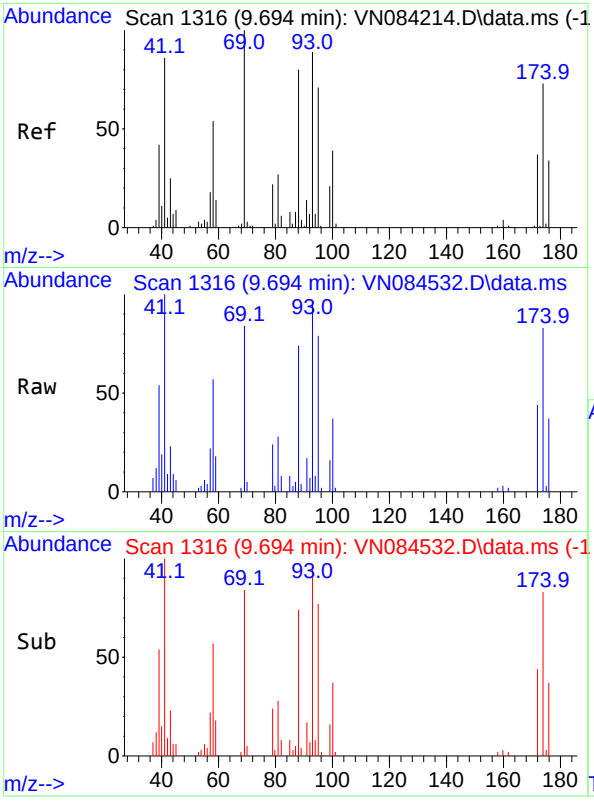


#48
Methyl methacrylate
Concen: 19.548 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 41 Resp: 39957

Ion	Ratio	Lower	Upper
41	100		
69	83.7	67.1	100.7
39	57.8	45.8	68.6



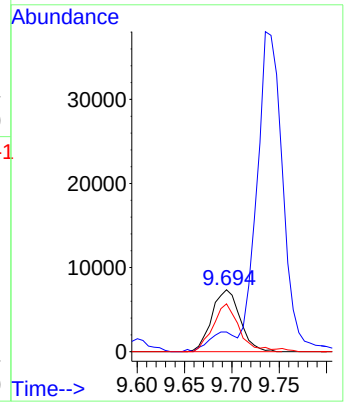


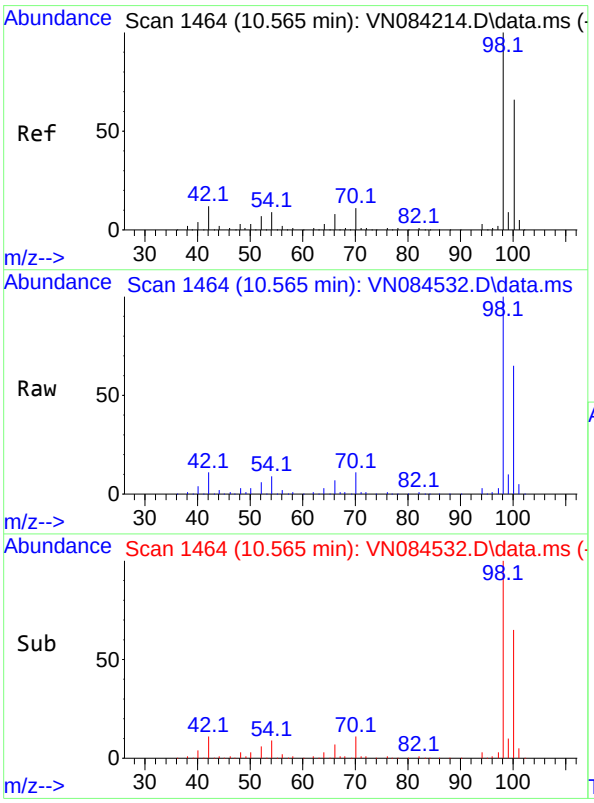
#49
1,4-Dioxane
Concen: 404.028 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 88 Resp: 15204

Ion	Ratio	Lower	Upper
88	100		
43	30.7	25.3	37.9
58	73.8	56.4	84.6

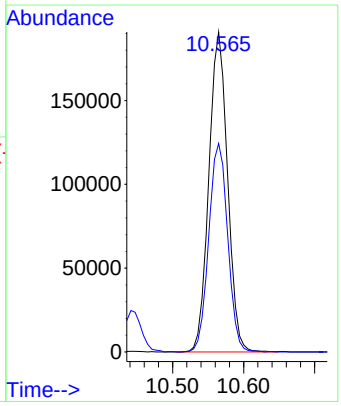


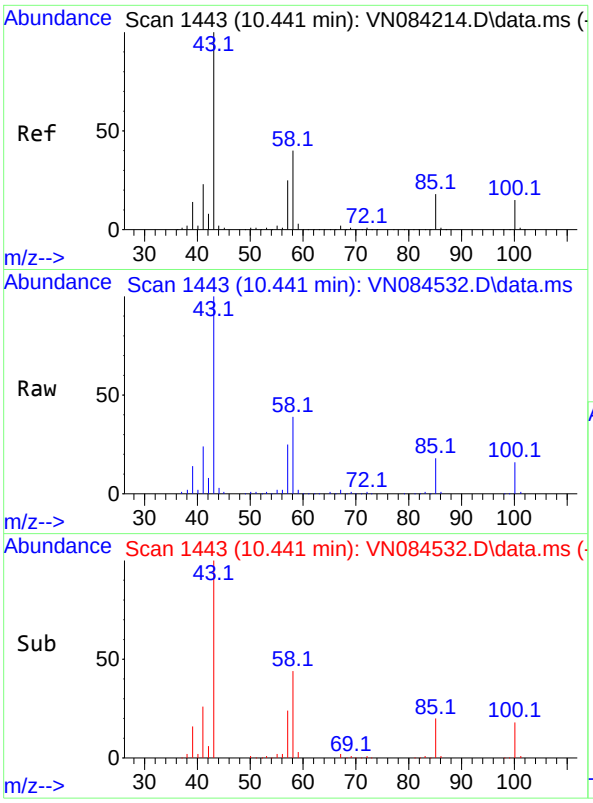


#50
Toluene-d8
Concen: 53.852 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 98 Resp: 348548

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1



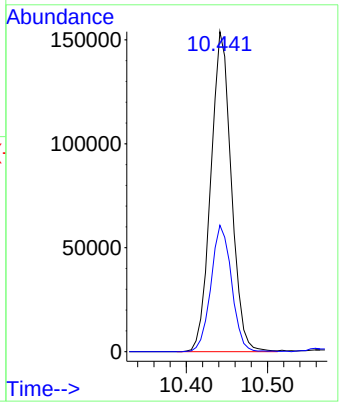


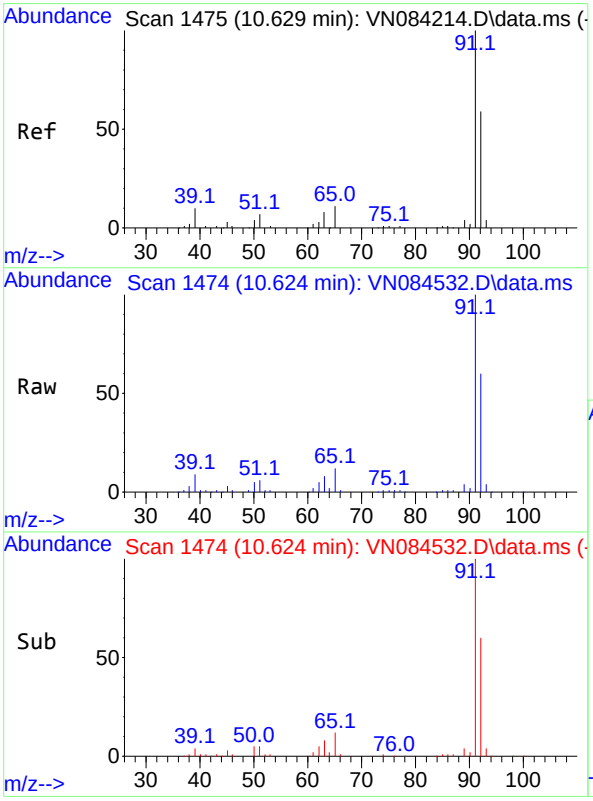
#51
4-Methyl-2-Pentanone
Concen: 108.219 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 43 Resp: 270071

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4

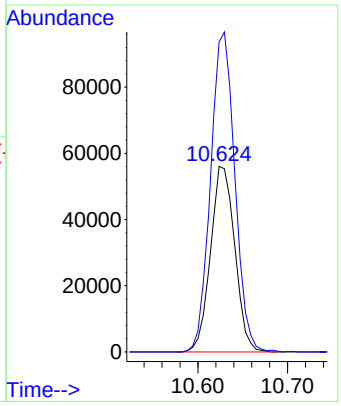


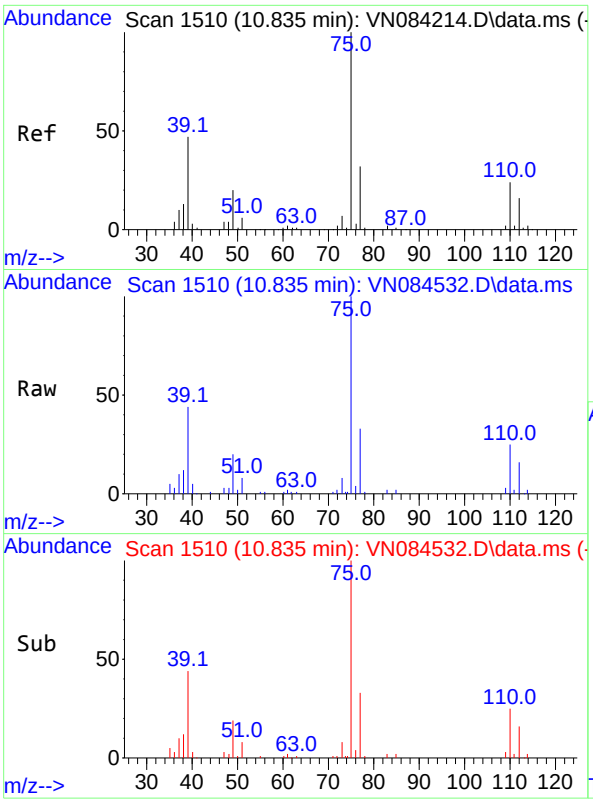


#52
Toluene
Concen: 21.682 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 92 Resp: 105264

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.3	205.9



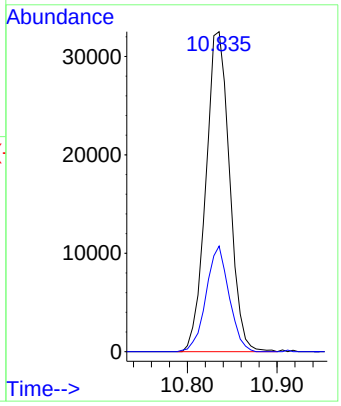


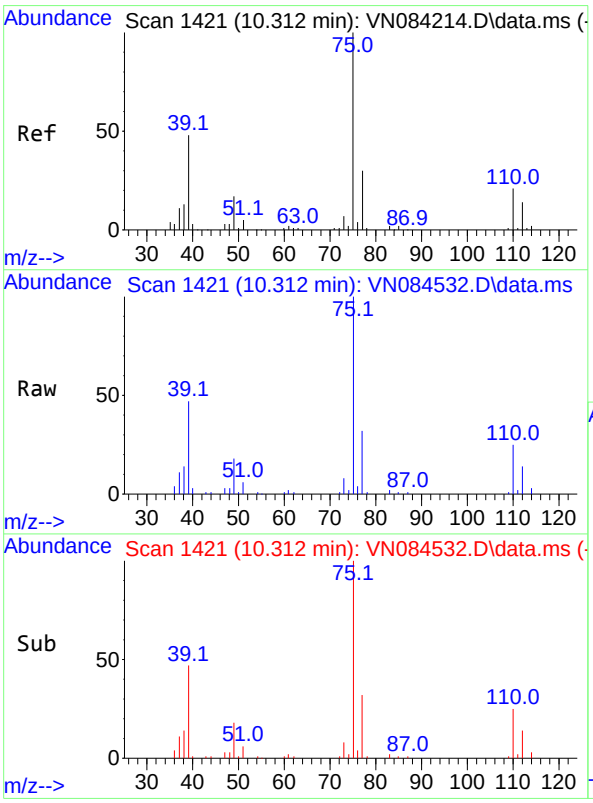
#53
t-1,3-Dichloropropene
Concen: 20.704 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 75 Resp: 59595

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0

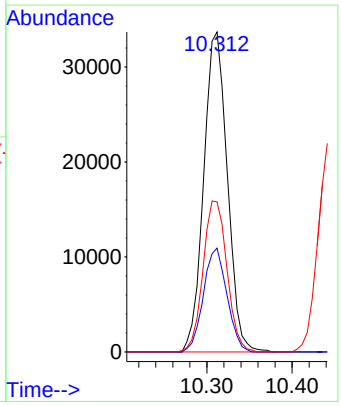


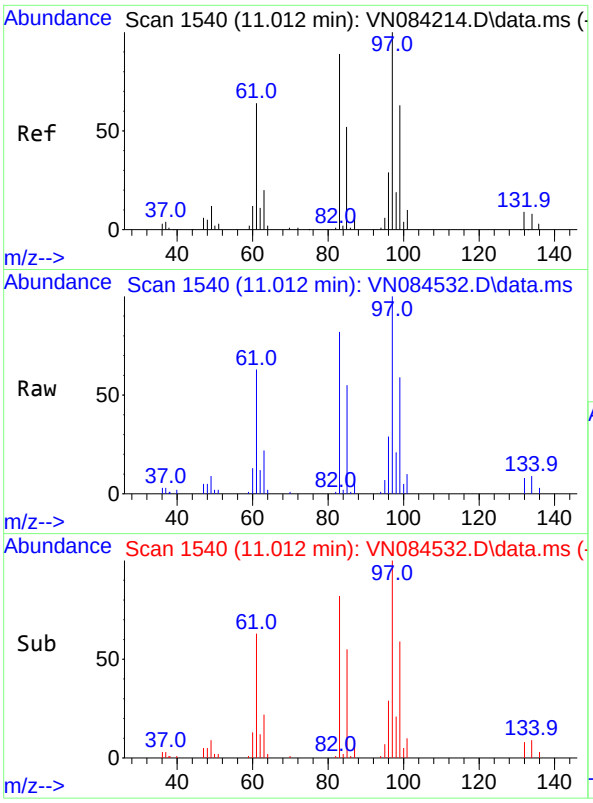


#54
cis-1,3-Dichloropropene
Concen: 20.983 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 64963

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.2	36.2
39	46.9	38.7	58.1



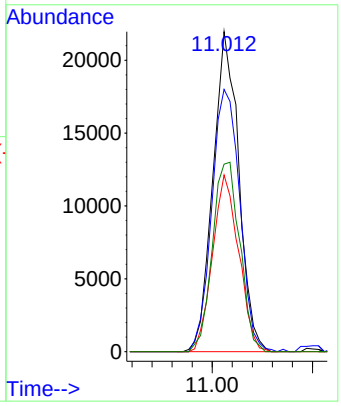


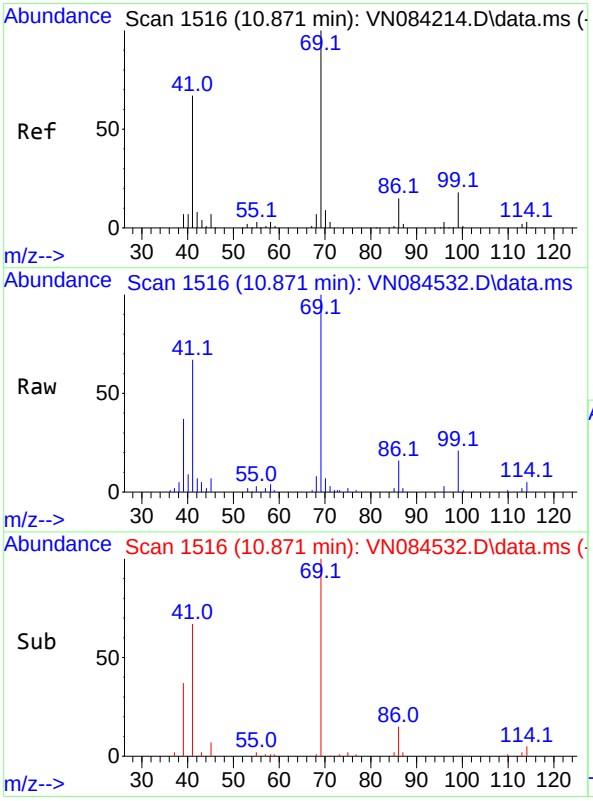
#55
1,1,2-Trichloroethane
Concen: 22.510 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 97 Resp: 39178

Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.0	106.4
85	55.2	41.7	62.5
99	58.6	50.1	75.1

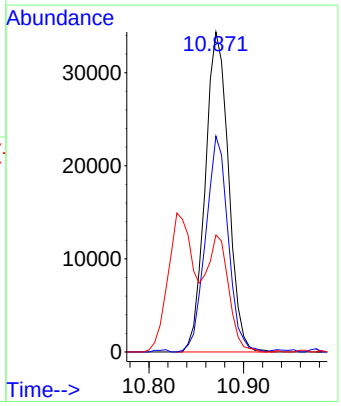


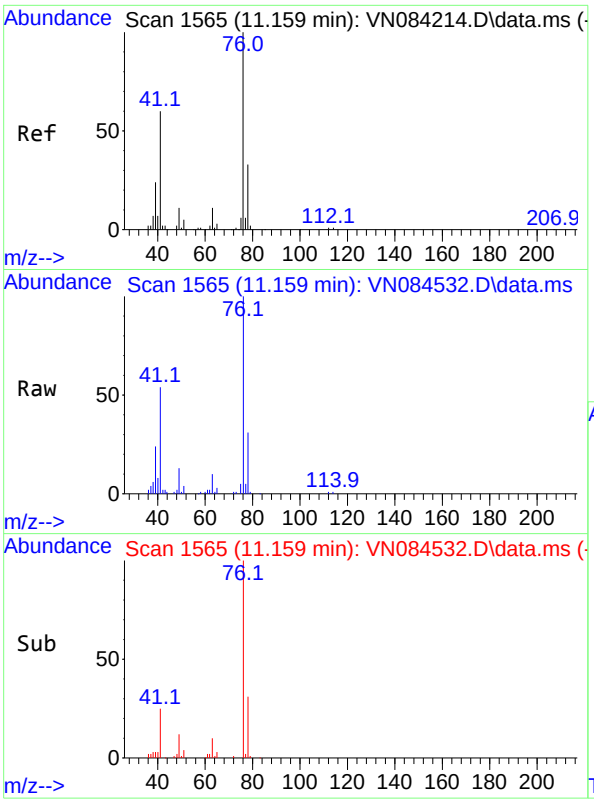


#56
Ethyl methacrylate
Concen: 20.426 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 69 Resp: 58496

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.3	79.9
39	34.7	28.8	43.2



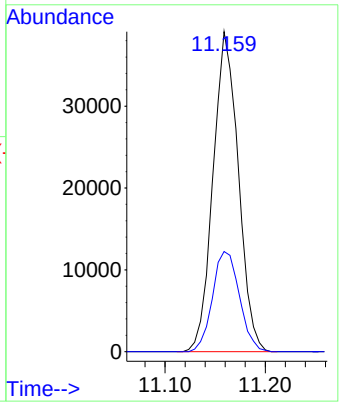


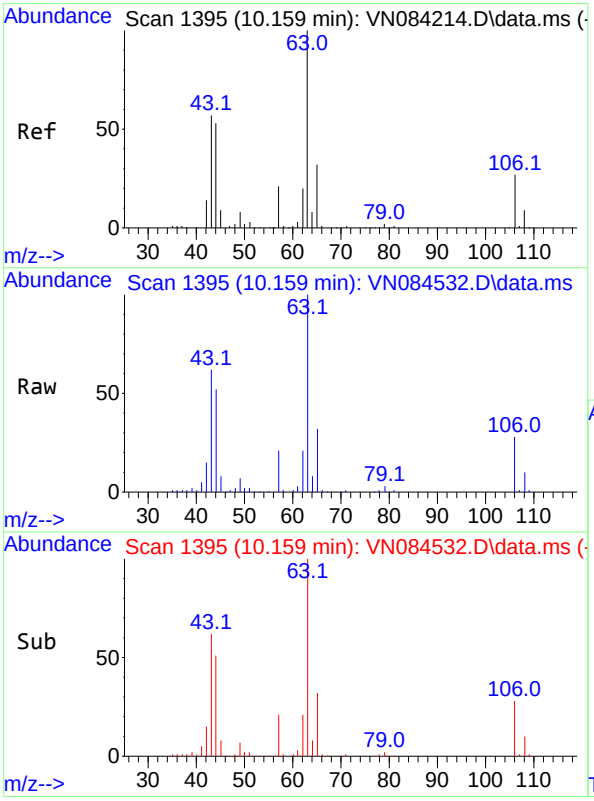
#57
1,3-Dichloropropane
Concen: 22.014 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 76 Resp: 68464

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.8	38.6

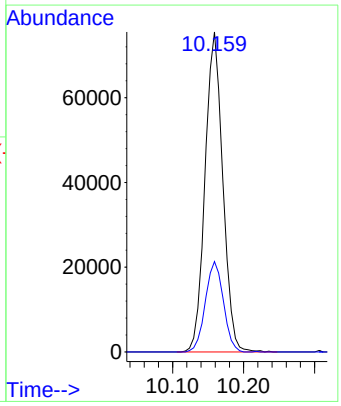


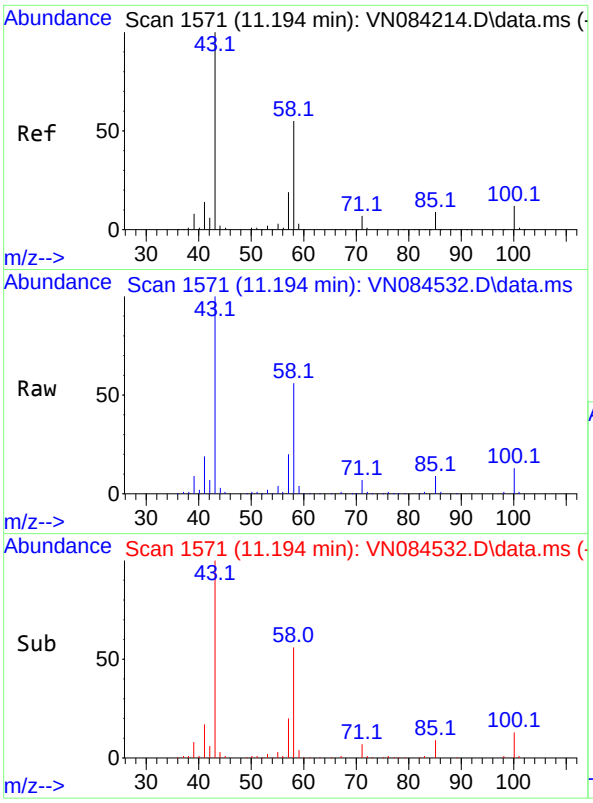


#58
2-Chloroethyl Vinyl ether
Concen: 98.604 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 63 Resp: 130997

Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.6



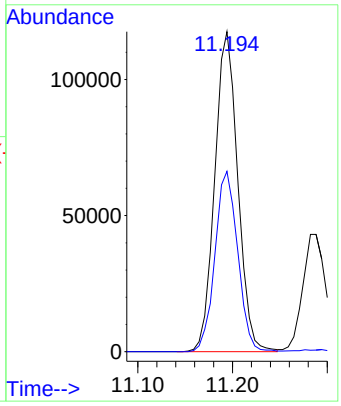


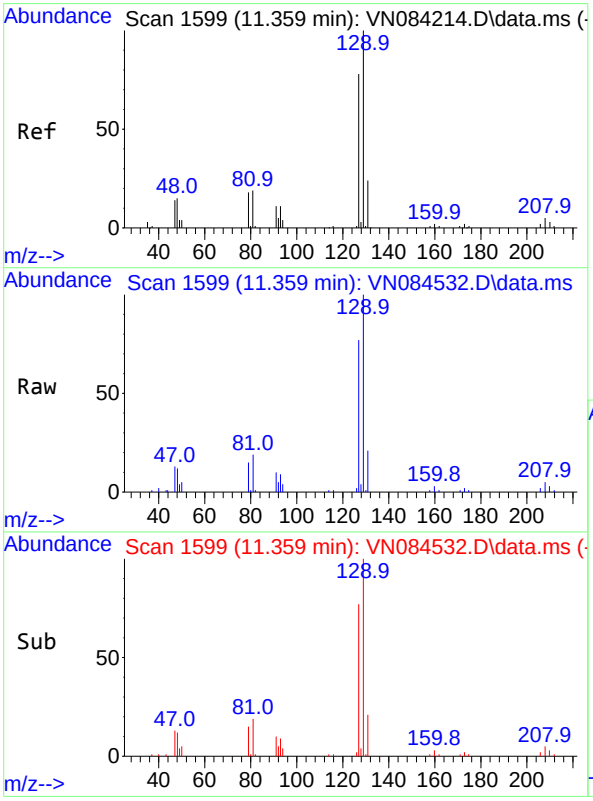
#59
2-Hexanone
Concen: 106.359 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 43 Resp: 198387

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.3	81.8

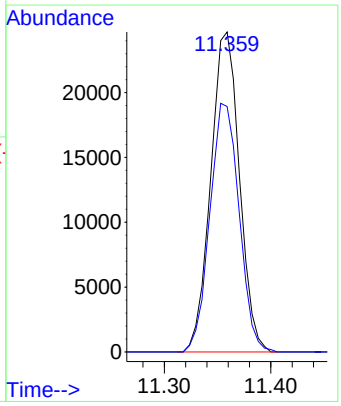


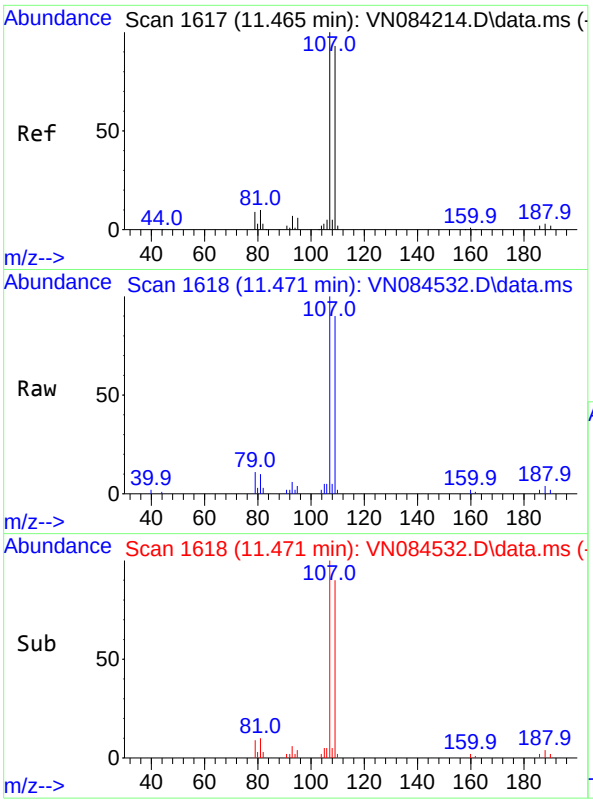


#60
Dibromochloromethane
Concen: 22.409 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:129 Resp: 46083

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9



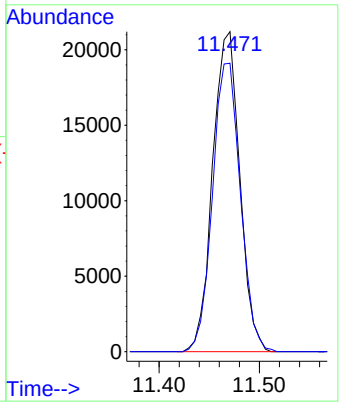


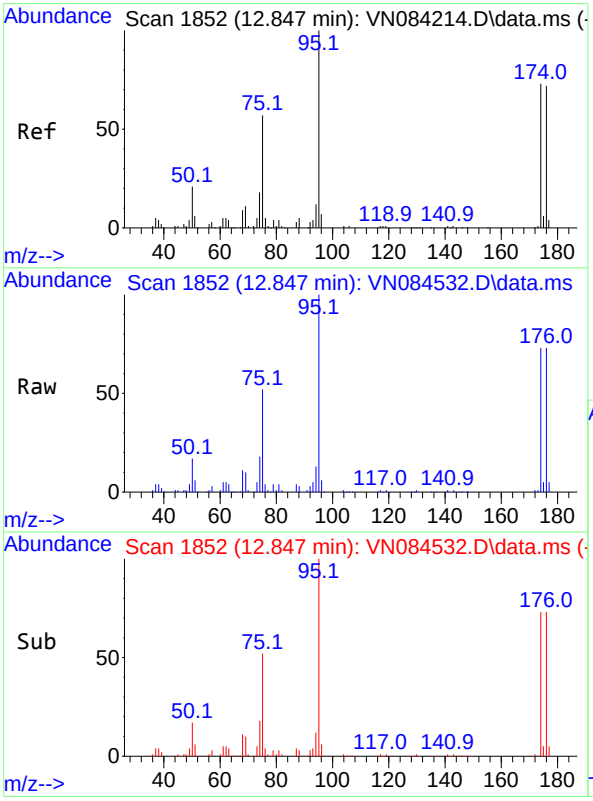
#61
1,2-Dibromoethane
Concen: 21.992 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:107 Resp: 39773

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.0

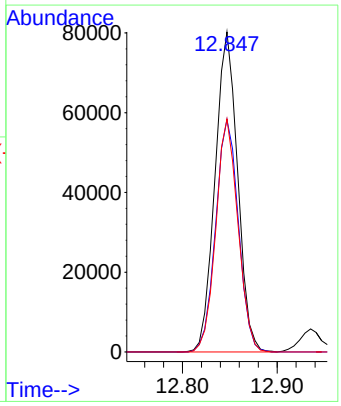


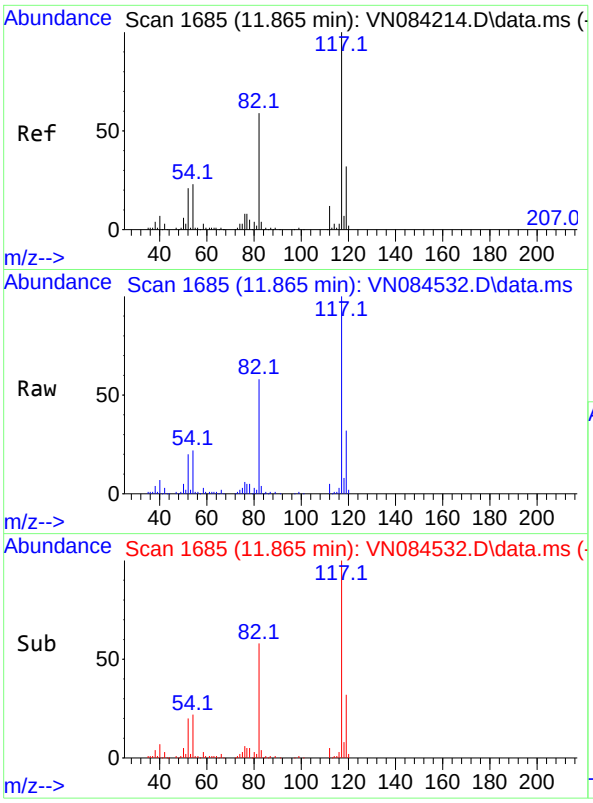


#62
4-Bromofluorobenzene
Concen: 56.378 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 95 Resp: 132937

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	71.3	0.0	140.0



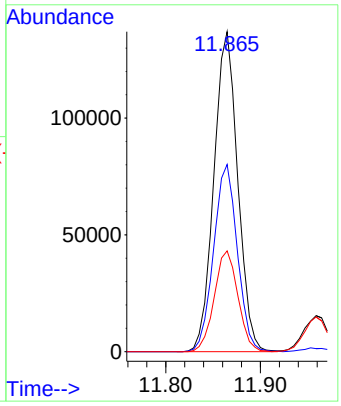


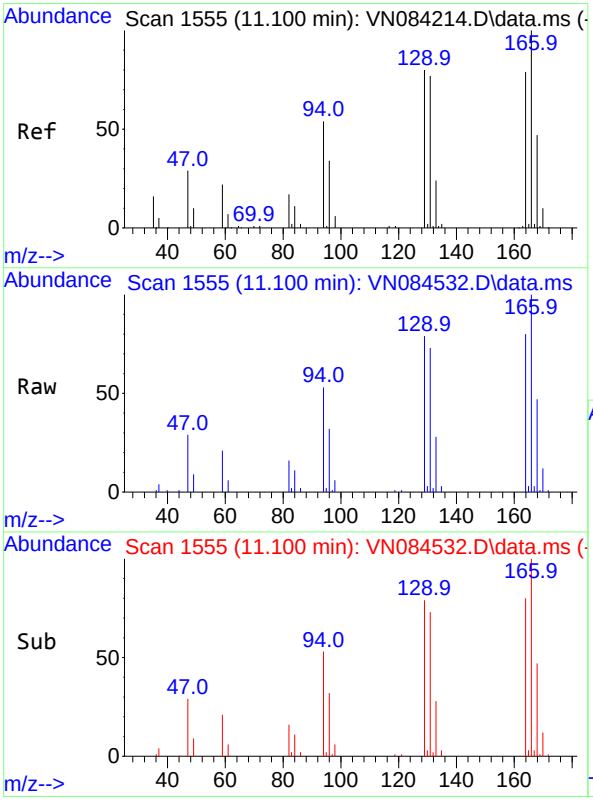
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:117 Resp: 239542

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.2	70.8
119	31.5	25.4	38.0

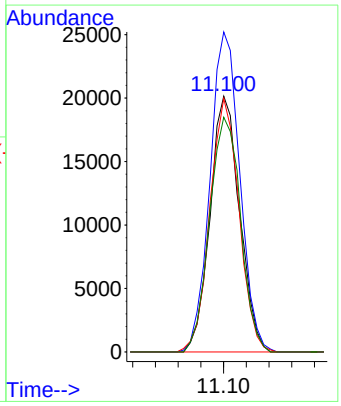


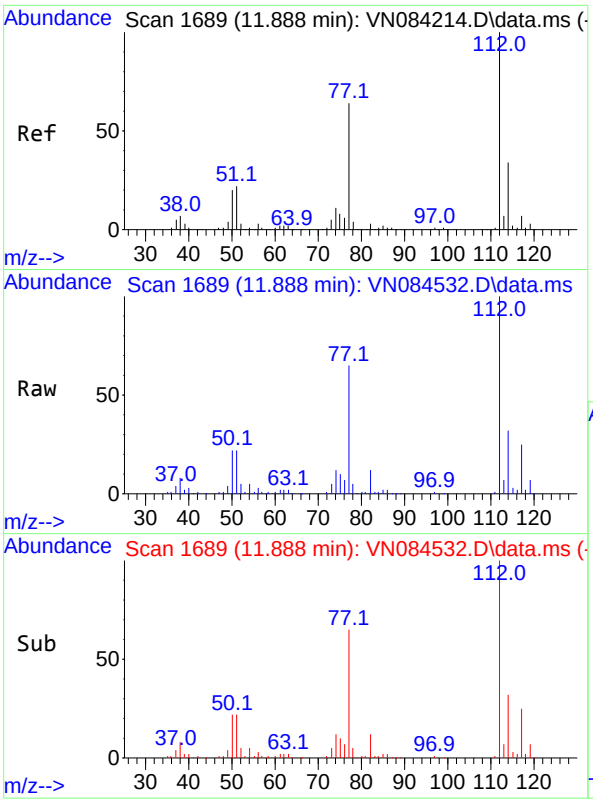


#64
Tetrachloroethene
Concen: 21.772 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:164 Resp: 36325

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.0	151.4
129	99.0	80.8	121.2
131	91.7	78.1	117.1



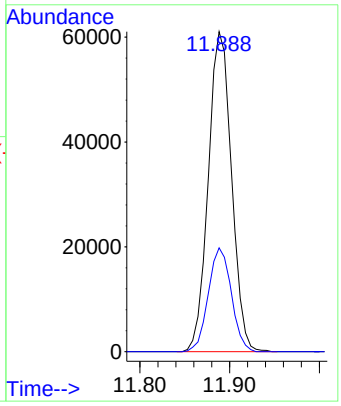


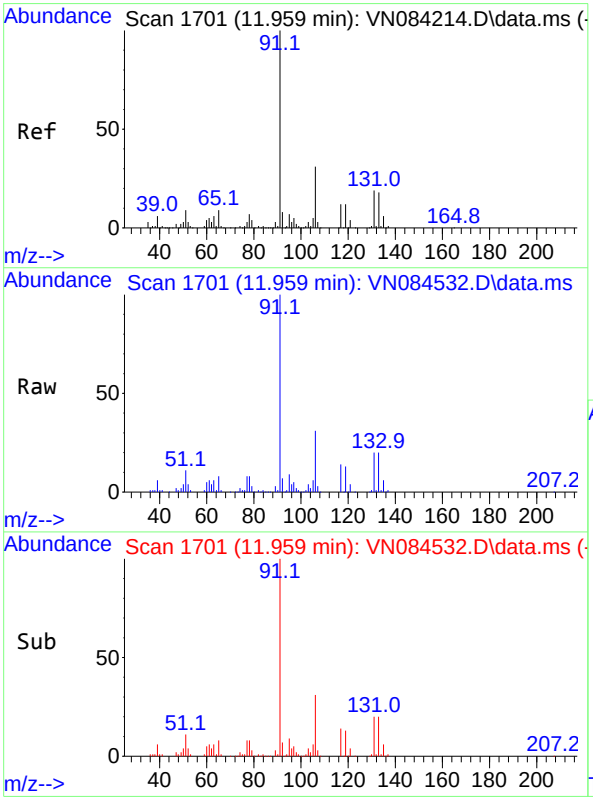
#65
Chlorobenzene
Concen: 20.668 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:112 Resp: 109772

Ion	Ratio	Lower	Upper
112	100		
114	32.5	27.0	40.6

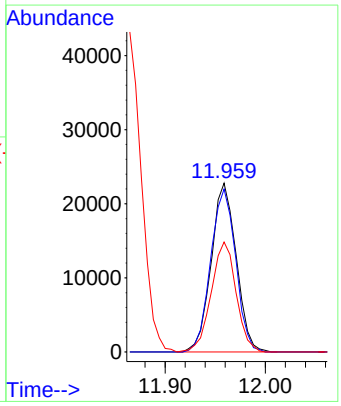


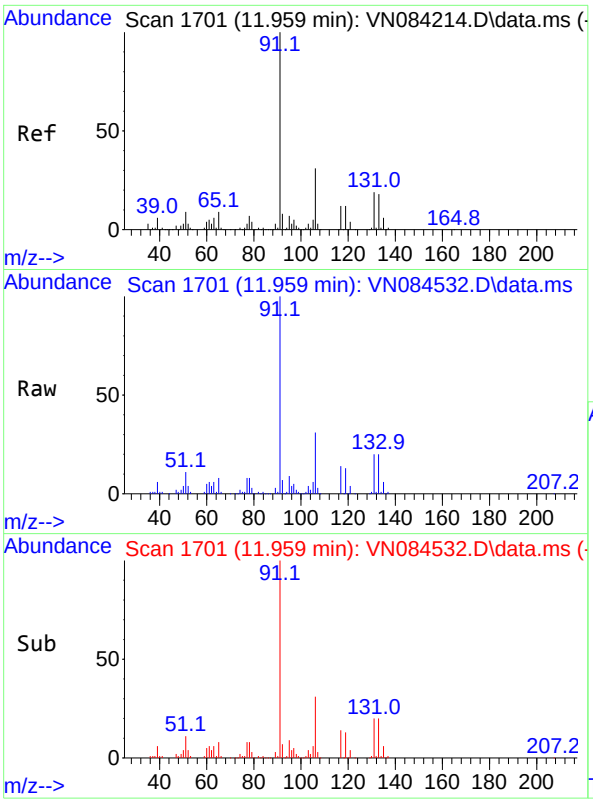


#66
1,1,1,2-Tetrachloroethane
Concen: 21.583 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:131 Resp: 39484

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.7
119	64.8	32.8	98.3



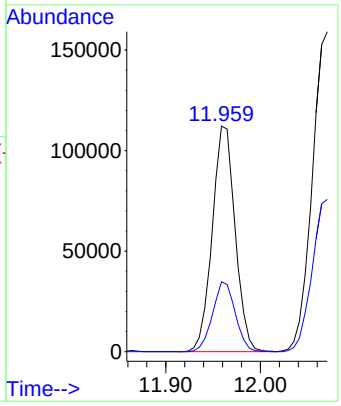


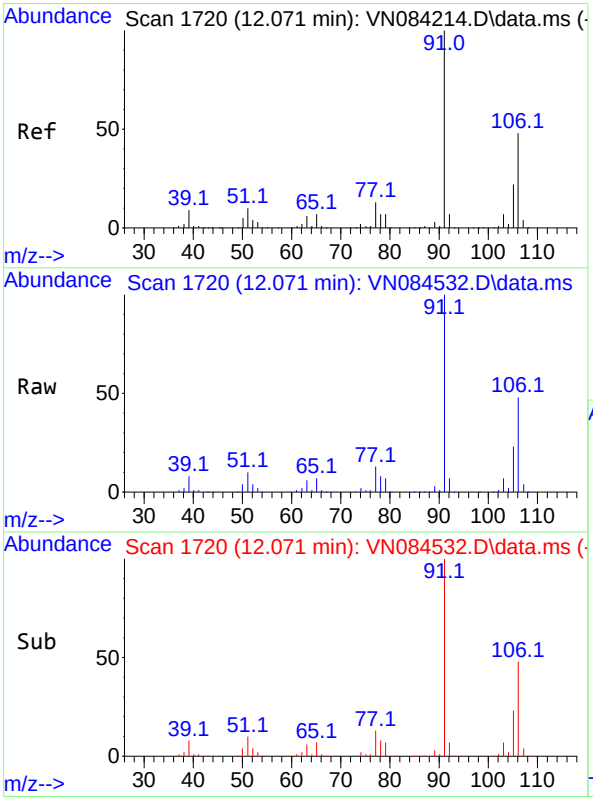
#67
Ethyl Benzene
Concen: 20.076 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 91 Resp: 188566

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7

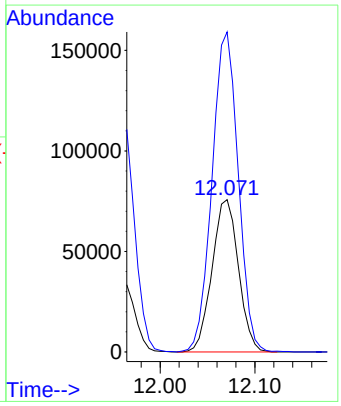


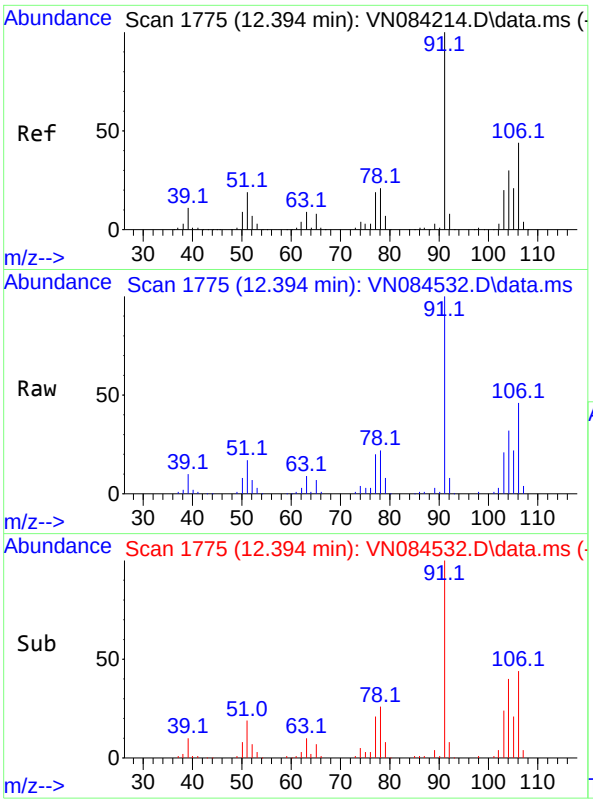


#68
m/p-Xylenes
Concen: 42.242 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:106 Resp: 146769

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.1	250.7



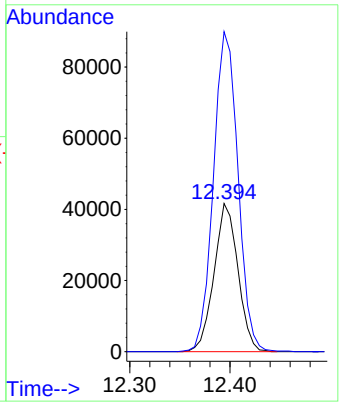


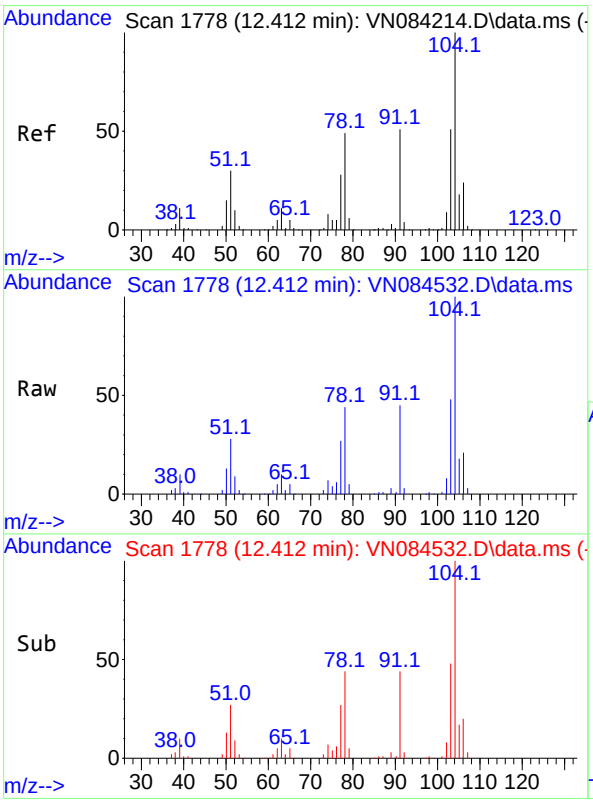
#69
o-Xylene
Concen: 20.969 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:106 Resp: 68929

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6

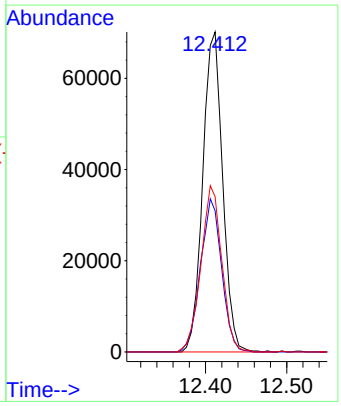


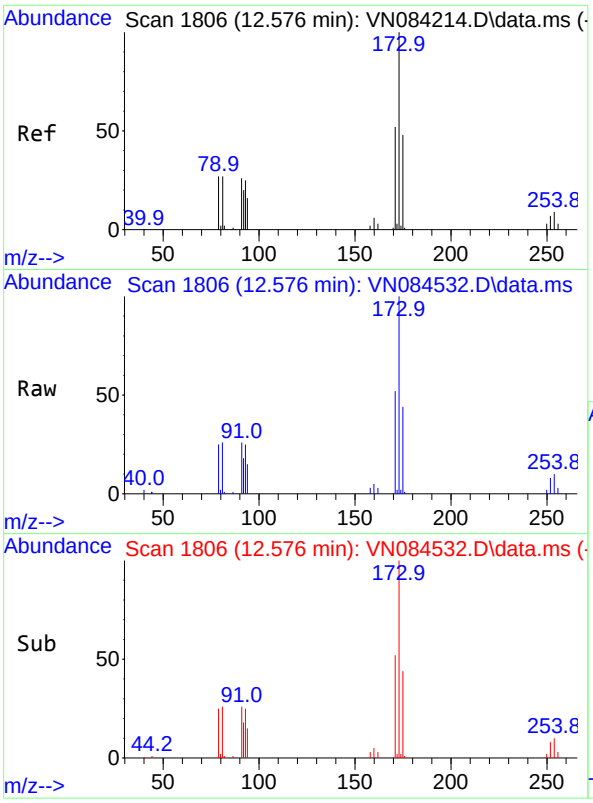


#70
Styrene
Concen: 21.428 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:104 Resp: 119311

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.7	64.1
103	54.4	43.6	65.4



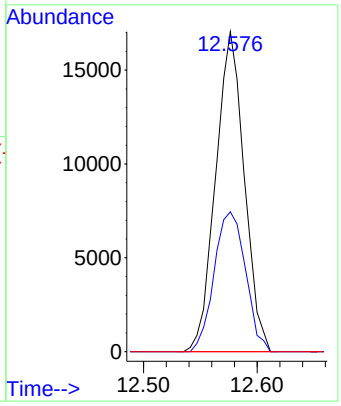


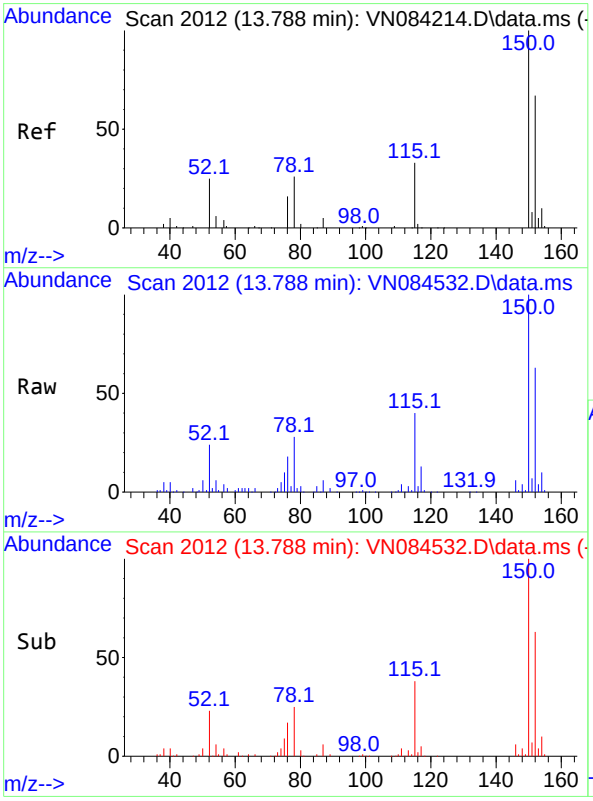
#71
Bromoform
Concen: 22.110 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:173 Resp: 29779

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0

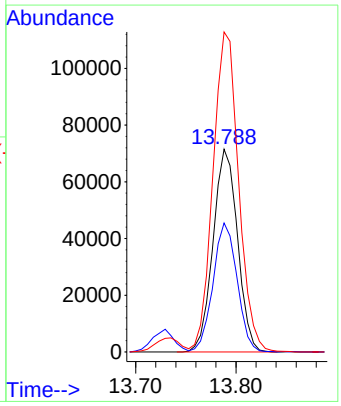


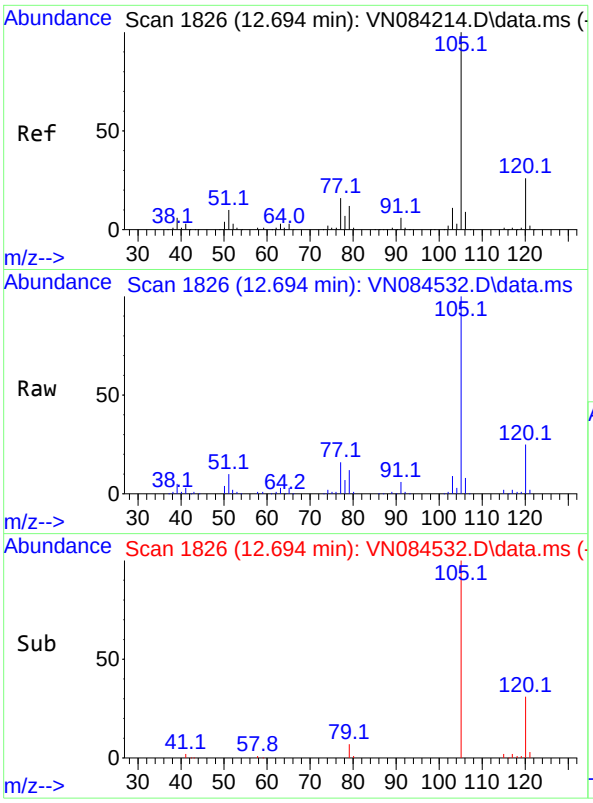


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:152 Resp: 120806

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	165.7	0.0	349.8



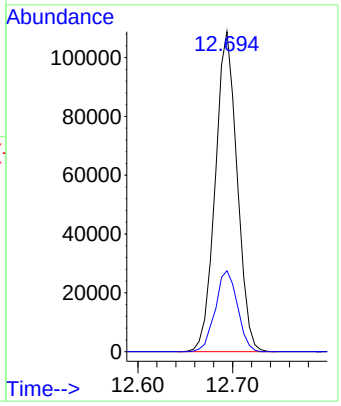


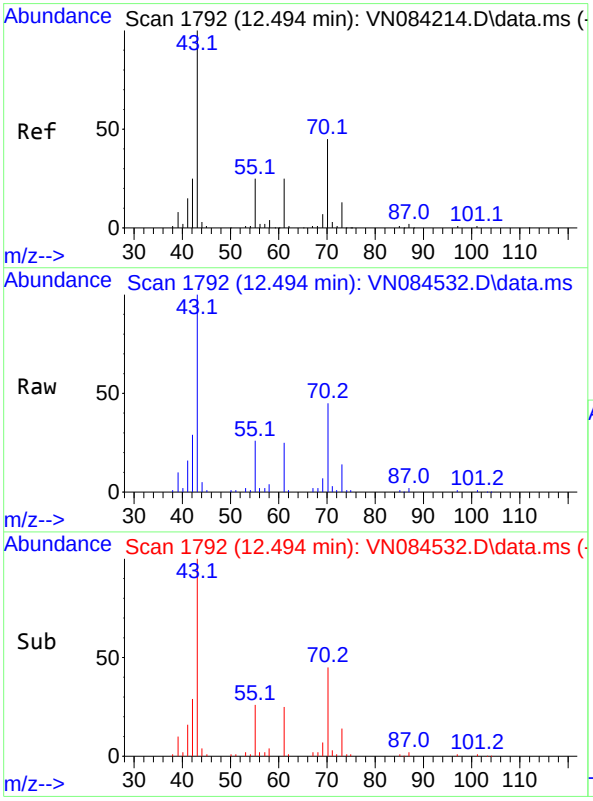
#73
Isopropylbenzene
Concen: 18.880 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:105 Resp: 174051

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

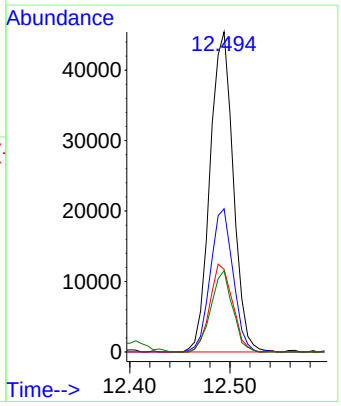


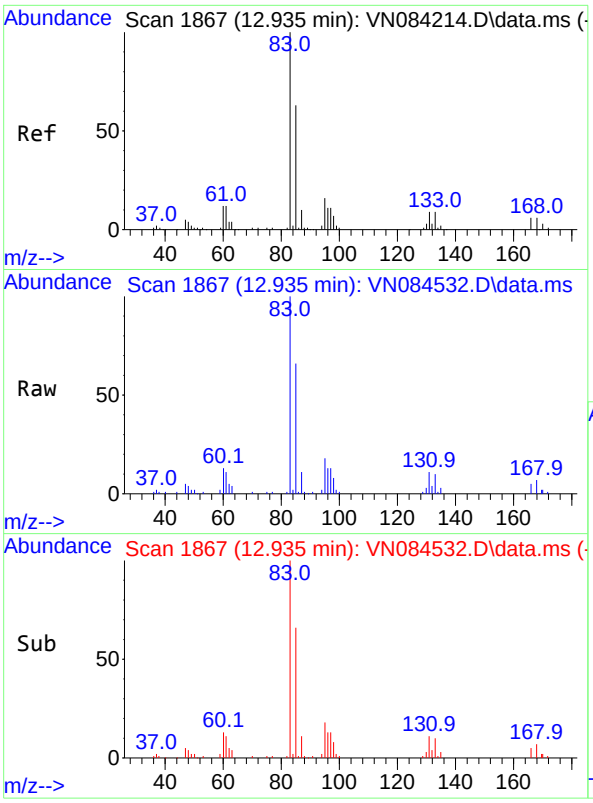


#74
N-amyl acetate
Concen: 17.471 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 43 Resp: 72933

Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.4	51.6
55	26.9	19.6	29.4
61	23.9	19.6	29.4



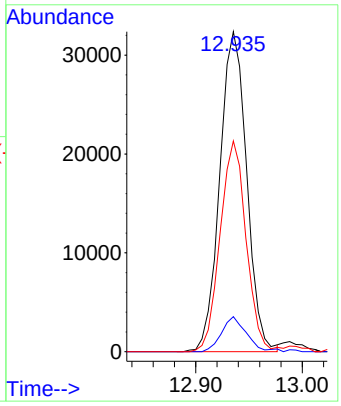


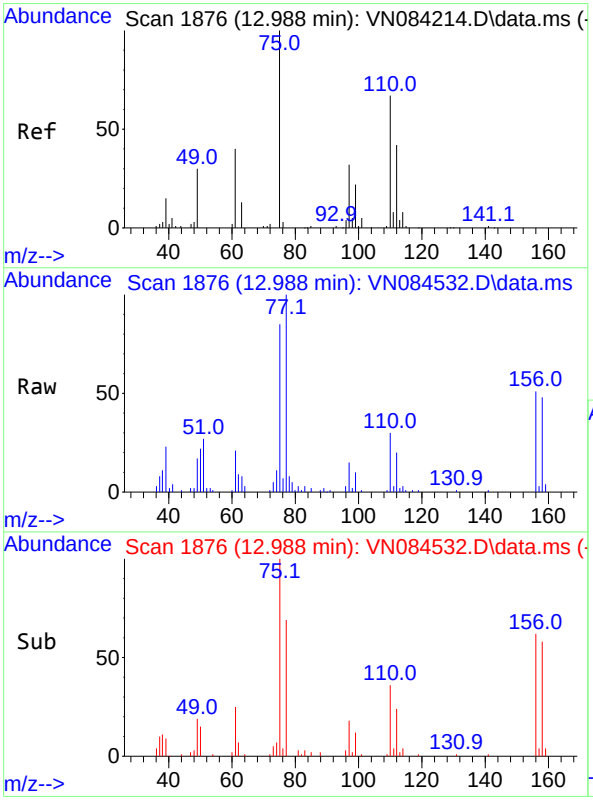
#75
1,1,2,2-Tetrachloroethane
Concen: 20.470 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 83 Resp: 56742

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.8	31.9	95.7

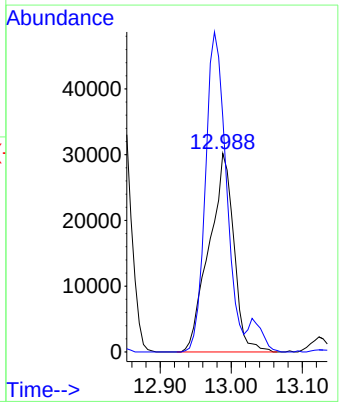


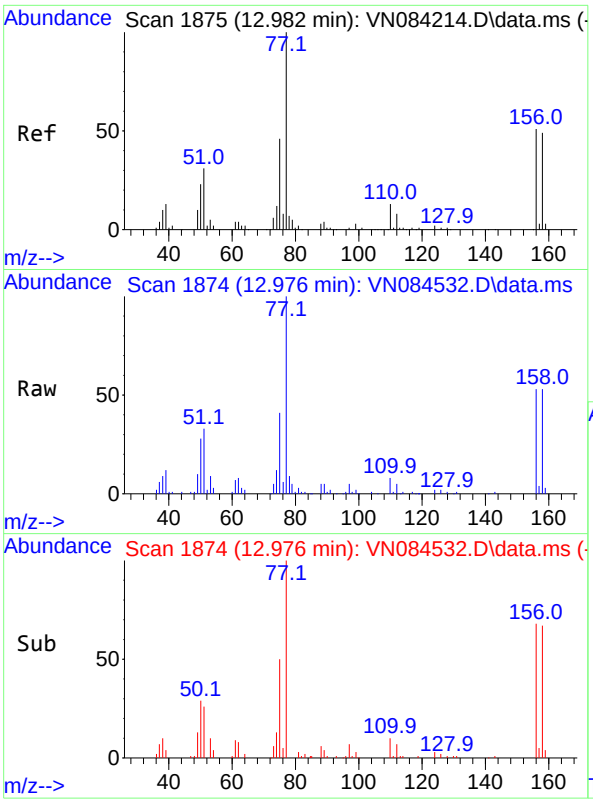


#76
1,2,3-Trichloropropane
Concen: 29.534 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 72840

Ion	Ratio	Lower	Upper
75	100		
77	135.3	96.9	290.7



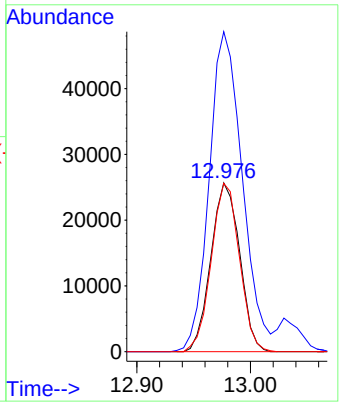


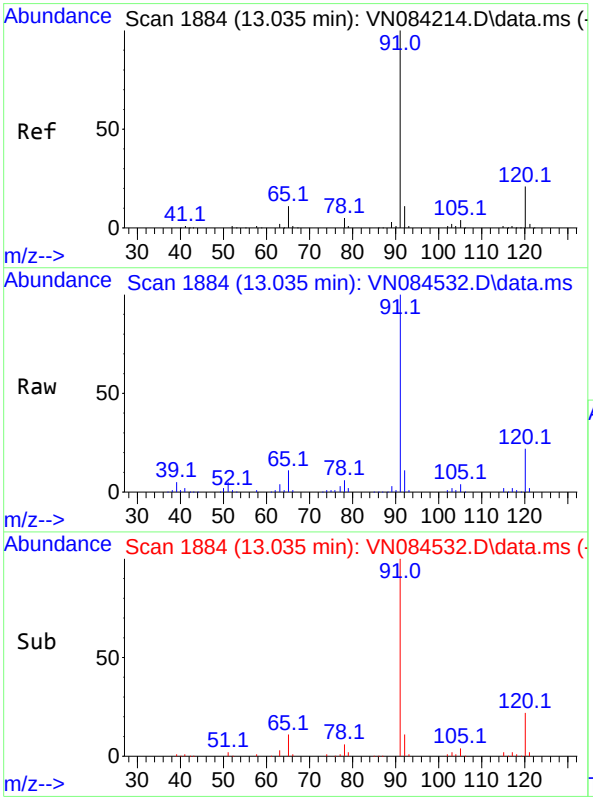
#77
Bromobenzene
Concen: 20.306 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:156 Resp: 45153

Ion	Ratio	Lower	Upper
156	100		
77	218.2	115.1	345.3
158	97.6	48.9	146.8

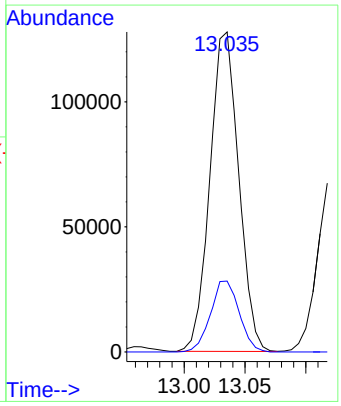


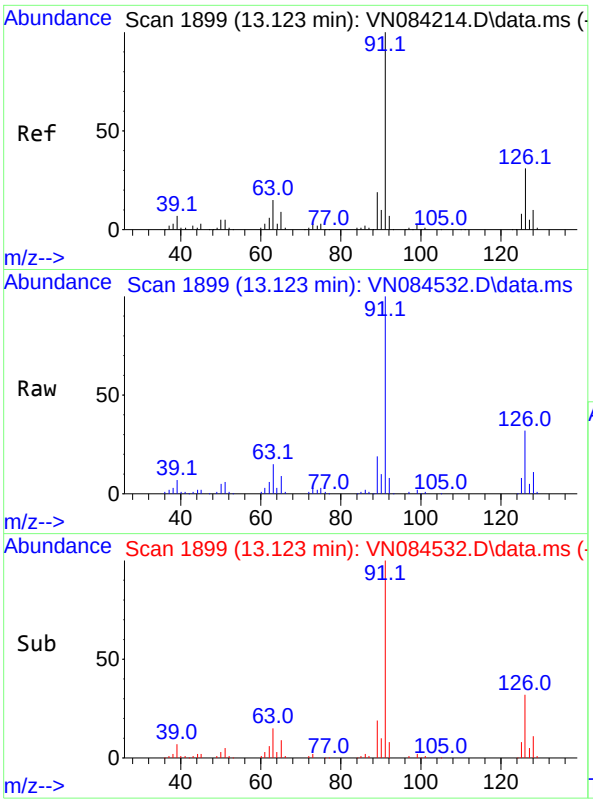


#78
n-propylbenzene
Concen: 19.687 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 210273

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



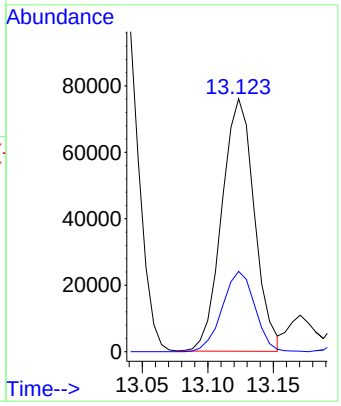


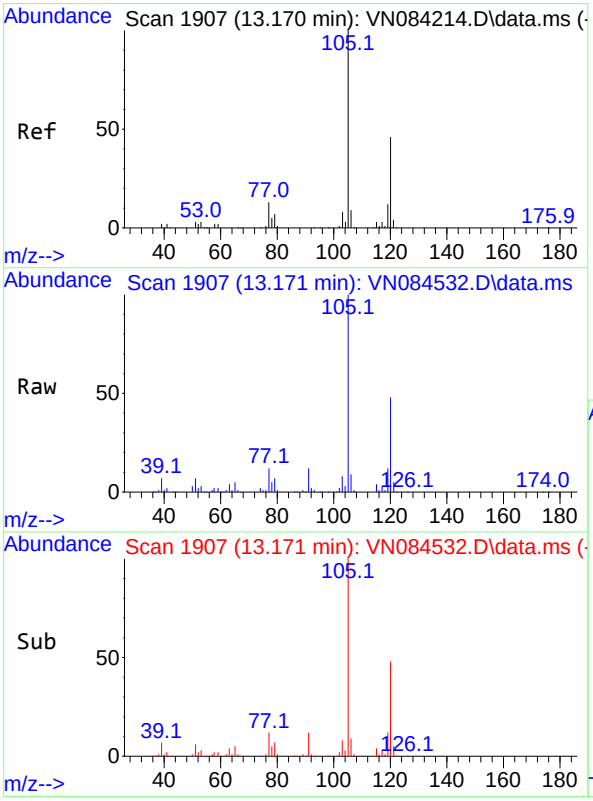
#79
2-Chlorotoluene
Concen: 19.288 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 91 Resp: 131454

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

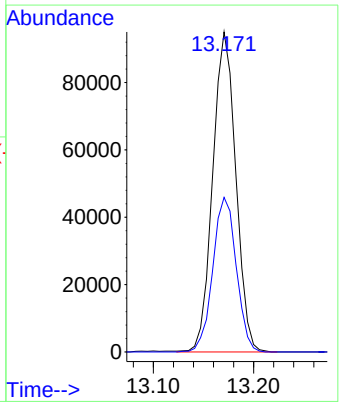


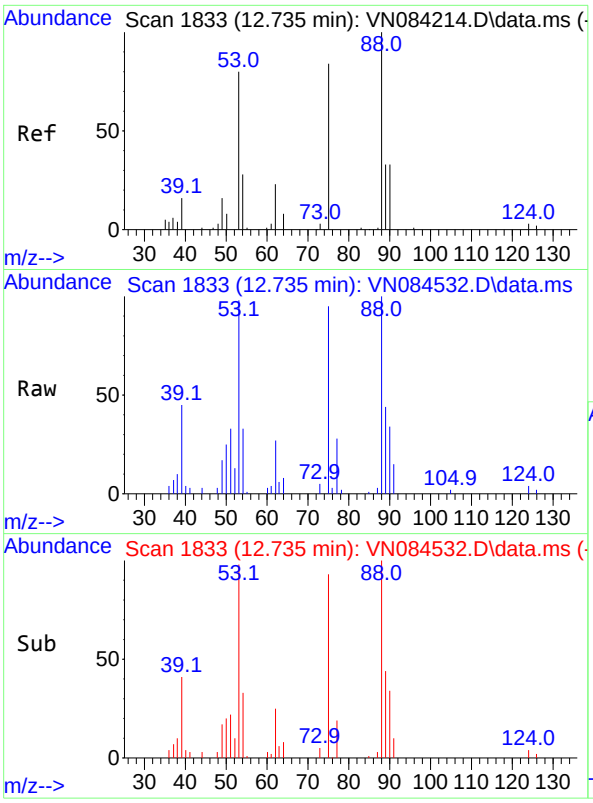


#80
1,3,5-Trimethylbenzene
Concen: 20.169 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:105 Resp: 151668

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.7	71.1



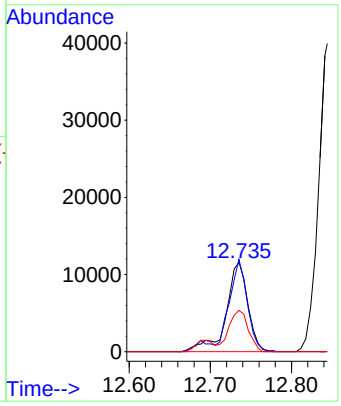


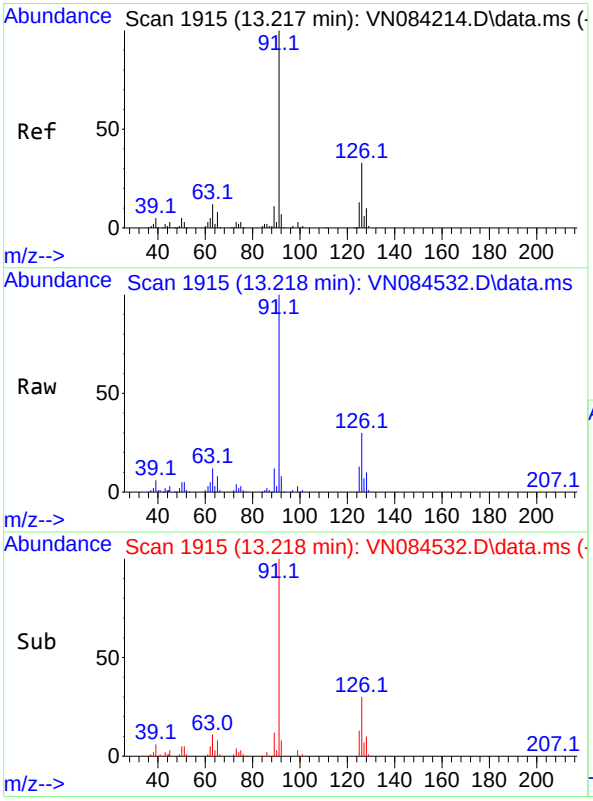
#81
trans-1,4-Dichloro-2-butene
Concen: 20.865 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 75 Resp: 21464

Ion	Ratio	Lower	Upper
75	100		
53	85.3	78.0	117.0
89	41.9	35.5	53.3

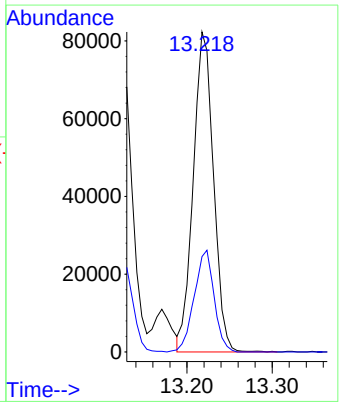


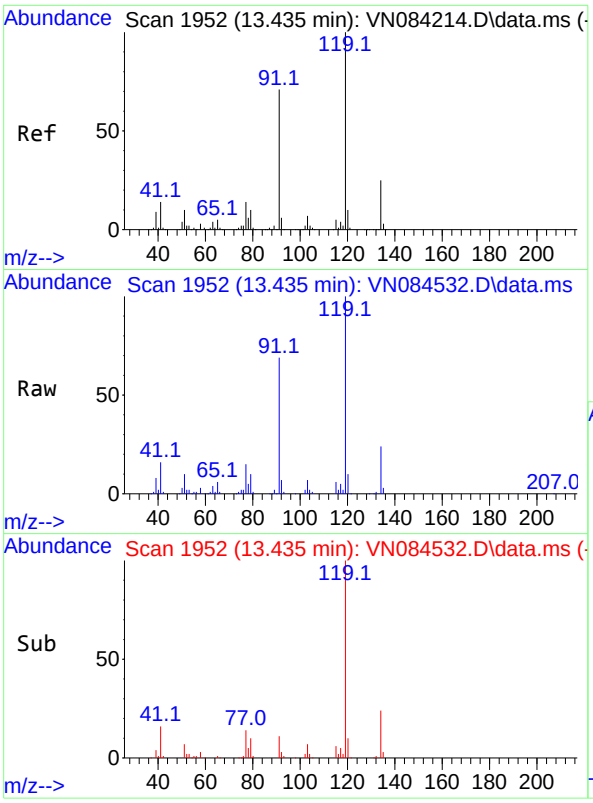


#82
4-Chlorotoluene
Concen: 19.797 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 91 Resp: 135824

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



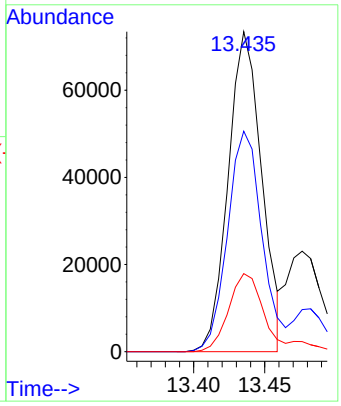


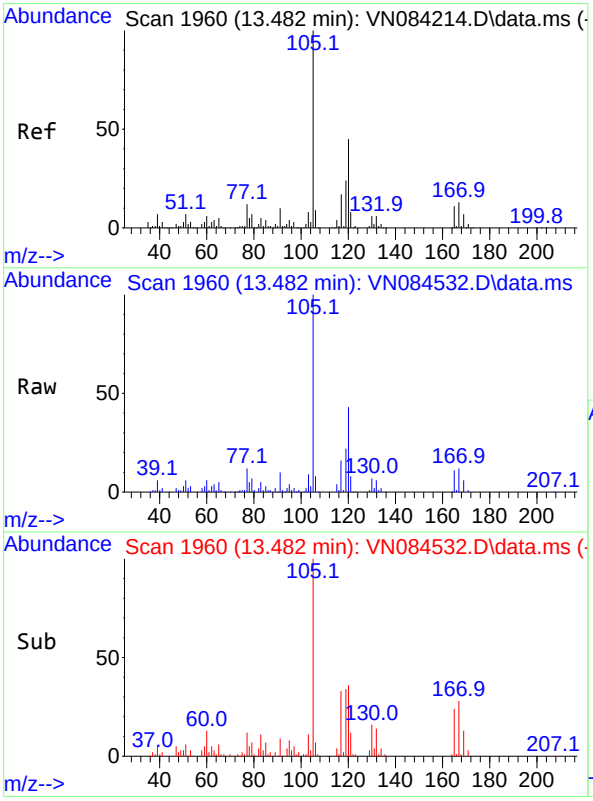
#83
tert-Butylbenzene
Concen: 18.041 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:119 Resp: 120577

Ion	Ratio	Lower	Upper
119	100		
91	71.2	34.1	102.3
134	27.3	12.8	38.4

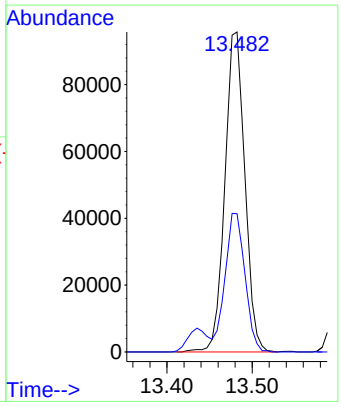


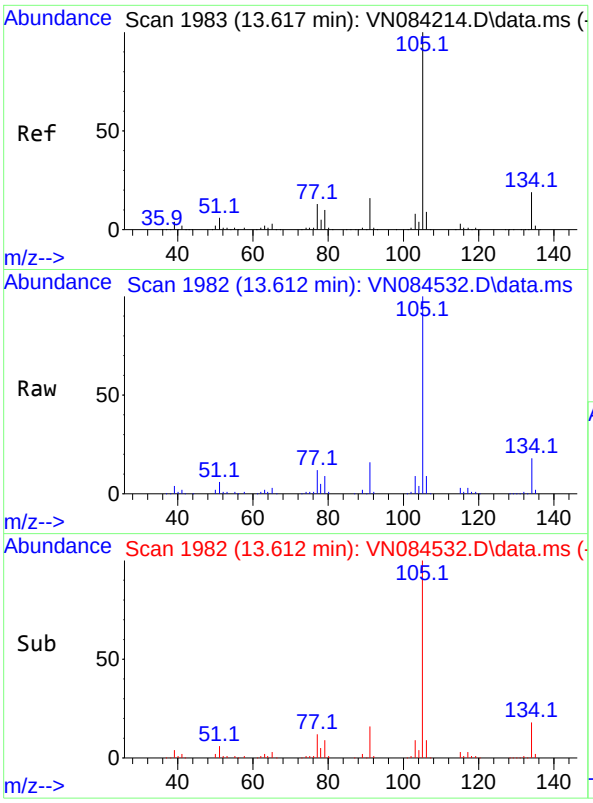


#84
1,2,4-Trimethylbenzene
Concen: 20.600 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:105 Resp: 156050

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.3	66.8



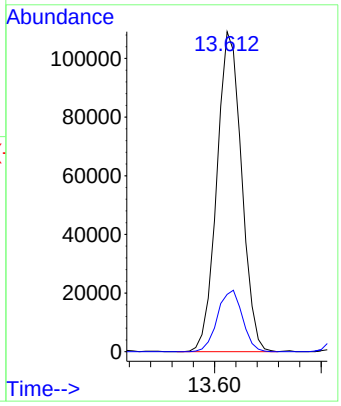


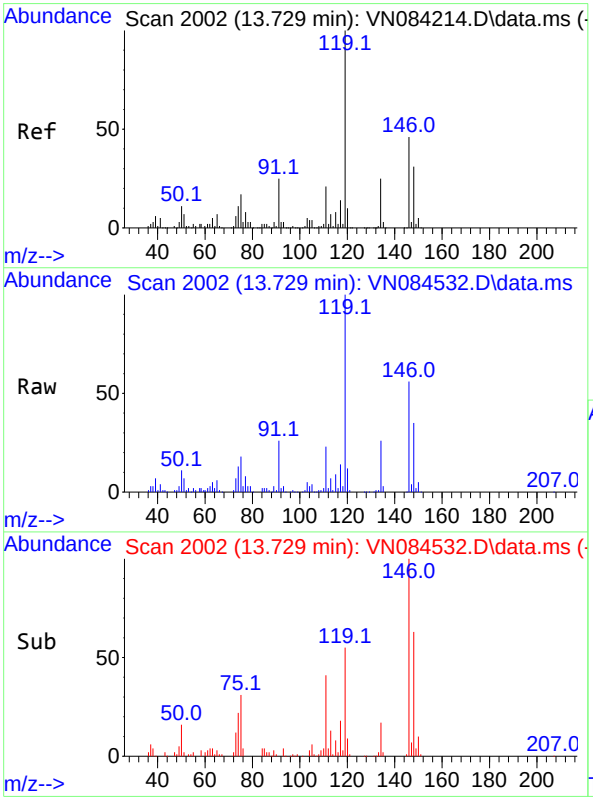
#85
sec-Butylbenzene
Concen: 19.700 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:105 Resp: 175698

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

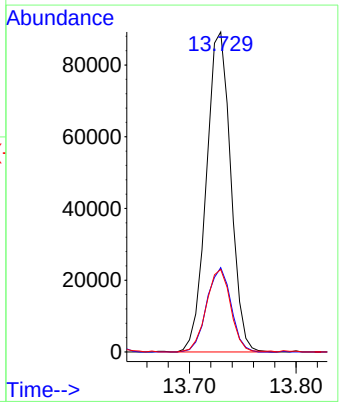


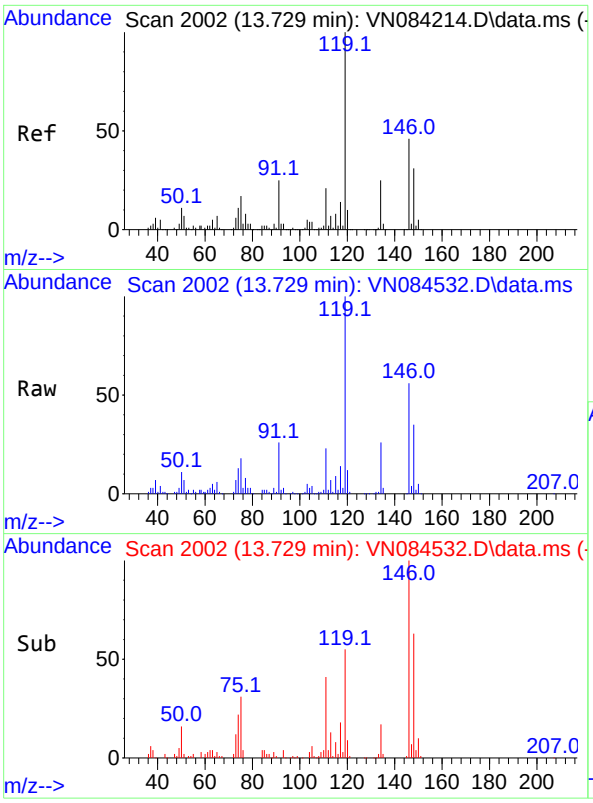


#86
p-Isopropyltoluene
Concen: 19.194 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:119 Resp: 141559

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.6	37.8
91	26.0	12.4	37.2



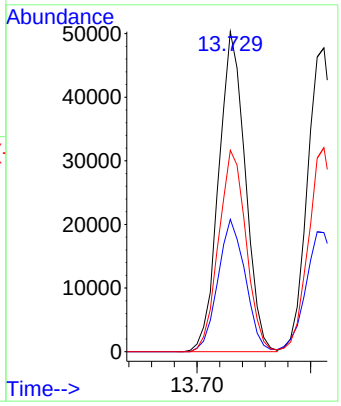


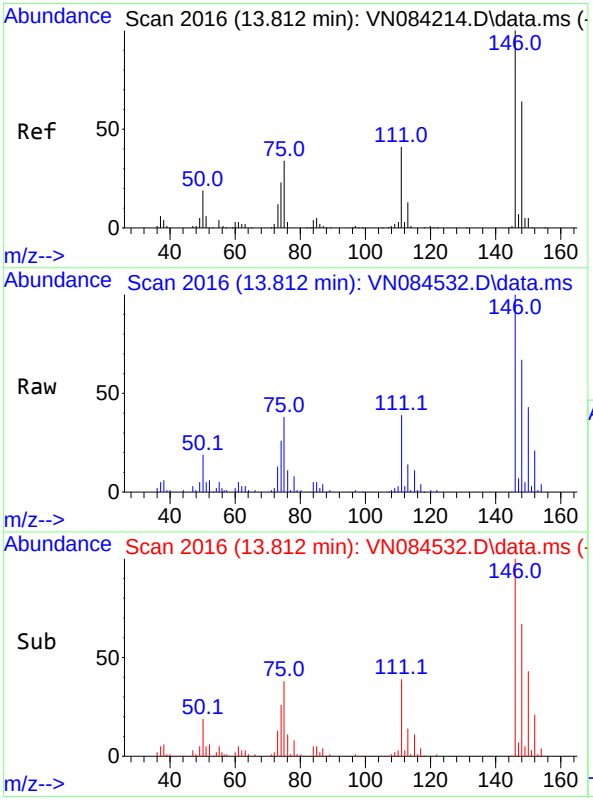
#87
1,3-Dichlorobenzene
Concen: 19.602 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:146 Resp: 81769

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.9	31.9	95.7

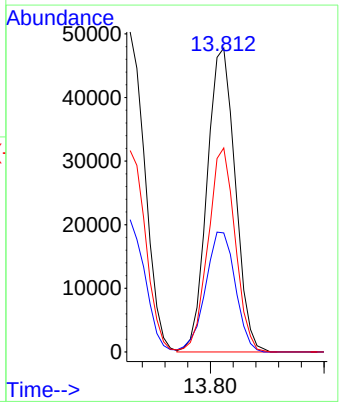


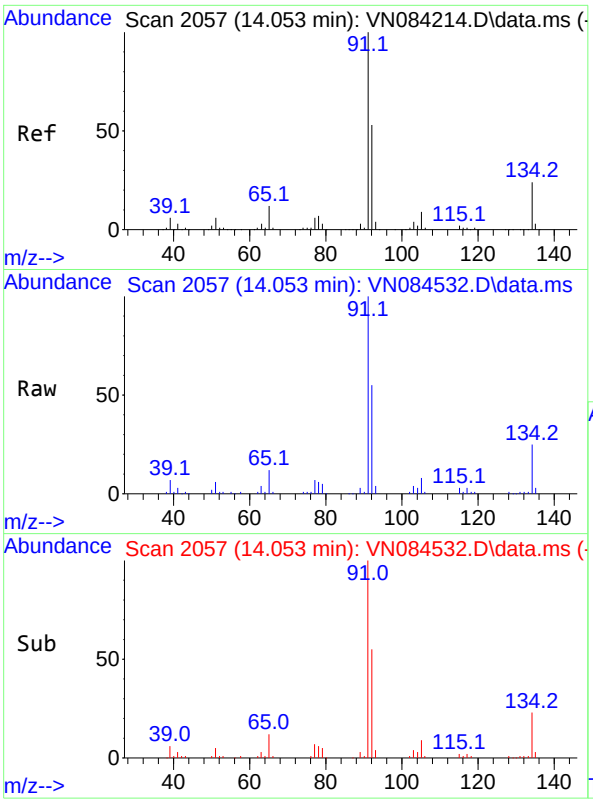


#88
1,4-Dichlorobenzene
Concen: 19.525 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:146 Resp: 82250

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.7	31.9	95.9



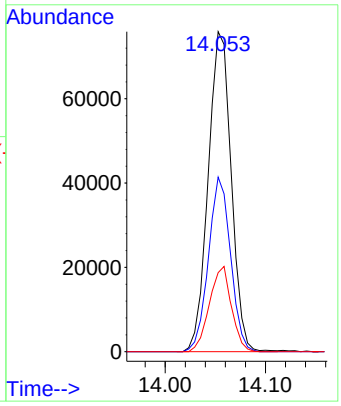


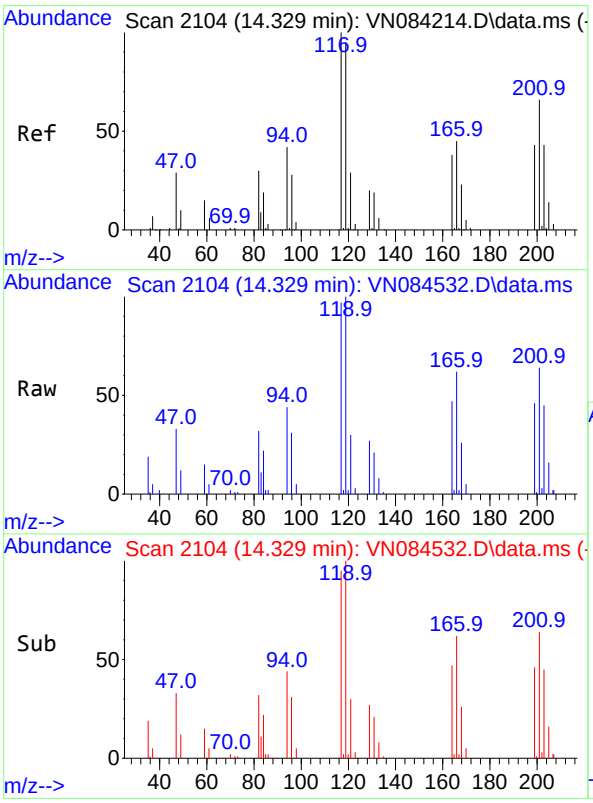
#89
n-Butylbenzene
Concen: 18.124 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion: 91 Resp: 121202

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.7
134	25.4	12.3	36.9

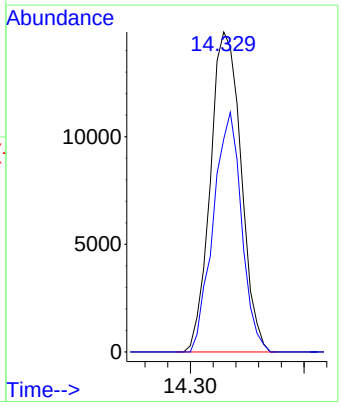


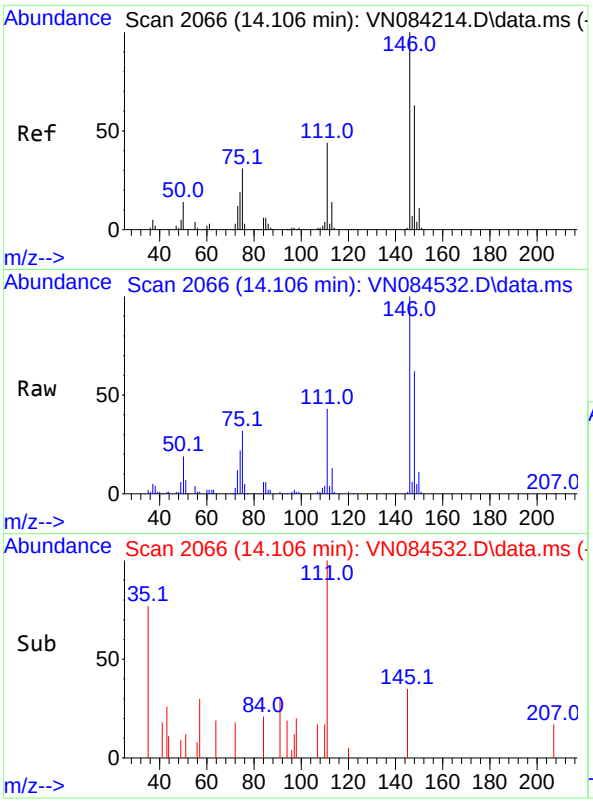


#90
Hexachloroethane
Concen: 18.641 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:117 Resp: 27906

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2



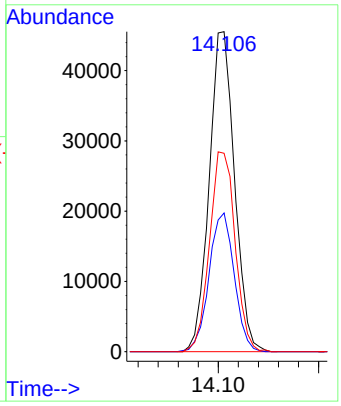


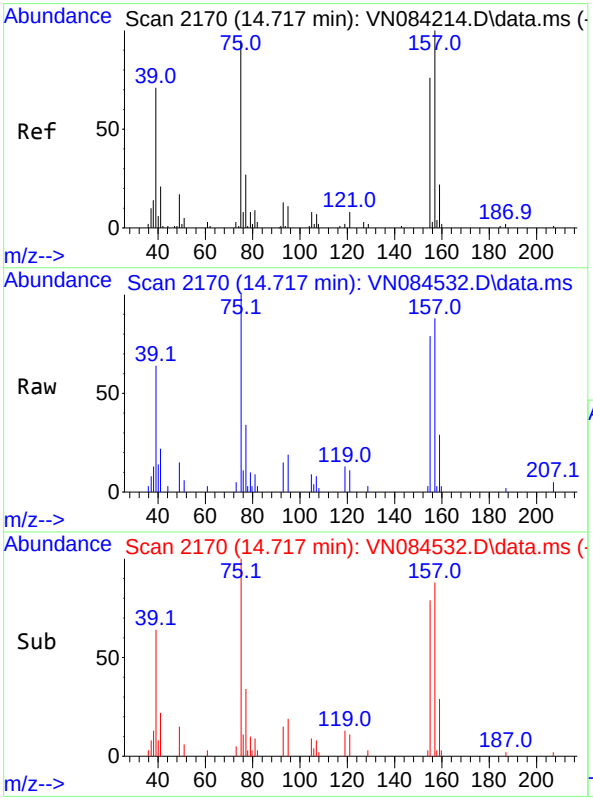
#91
1,2-Dichlorobenzene
Concen: 19.548 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:146 Resp: 79959

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	63.1	32.1	96.3

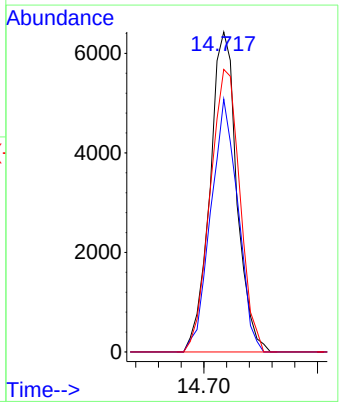


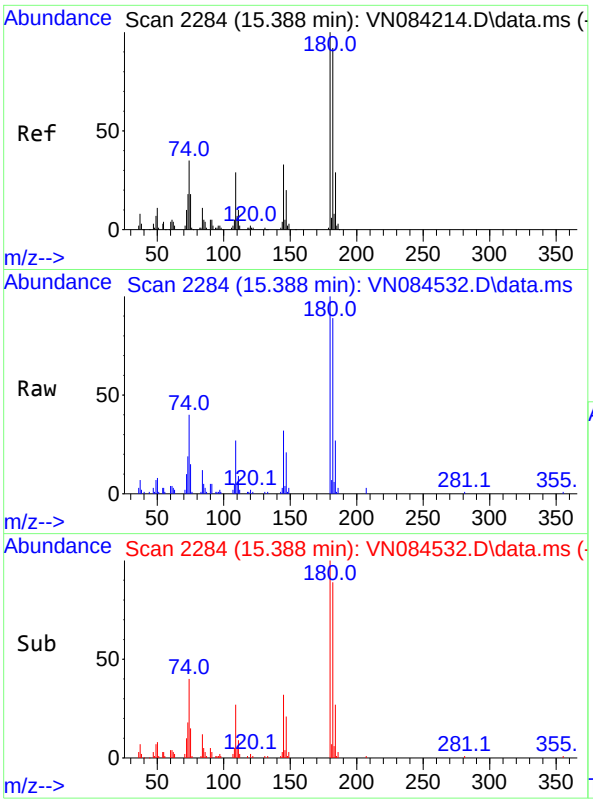


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.526 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion: 75 Resp: 10597

Ion	Ratio	Lower	Upper
75	100		
155	79.5	38.1	114.5
157	97.1	49.6	149.0



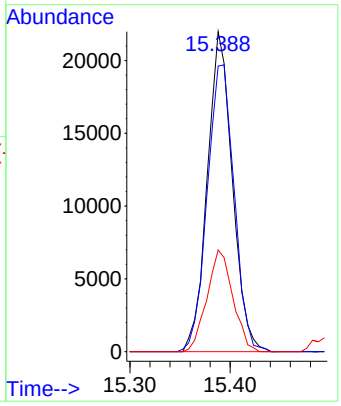


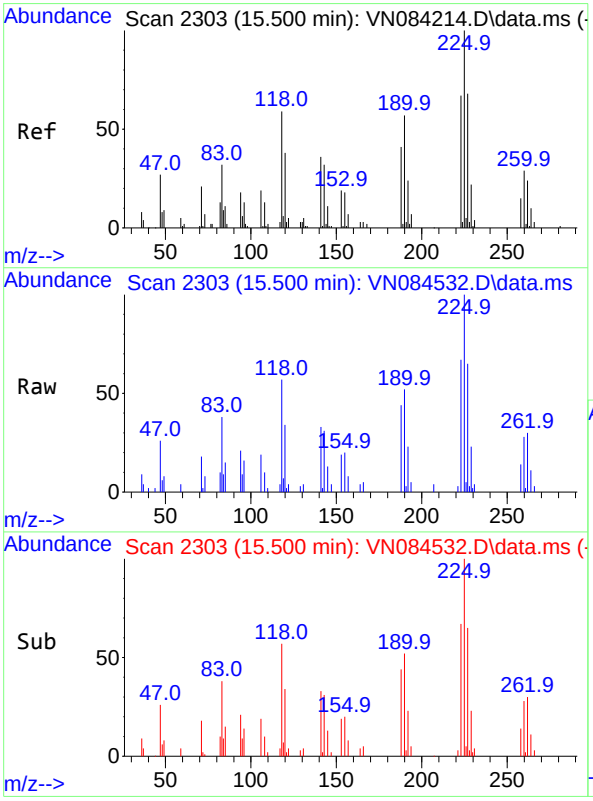
#93
1,2,4-Trichlorobenzene
Concen: 18.931 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:180 Resp: 38140

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.0	141.0
145	32.9	16.4	49.4

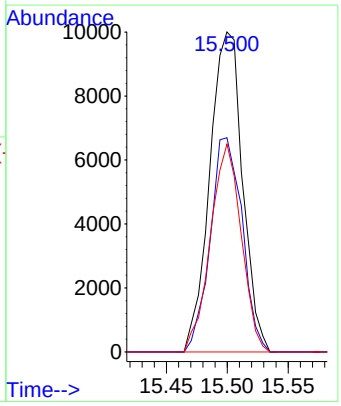


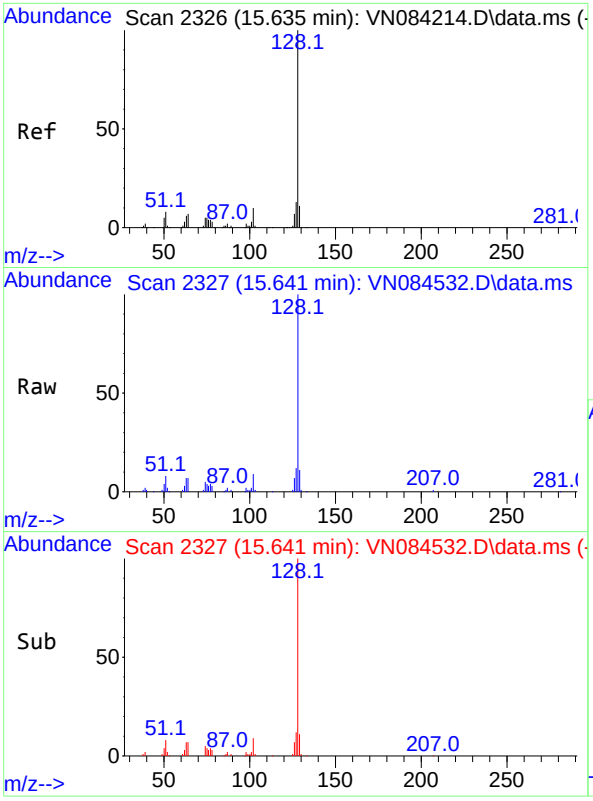


#94
Hexachlorobutadiene
Concen: 18.695 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:225 Resp: 18784

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	60.8	32.4	97.0



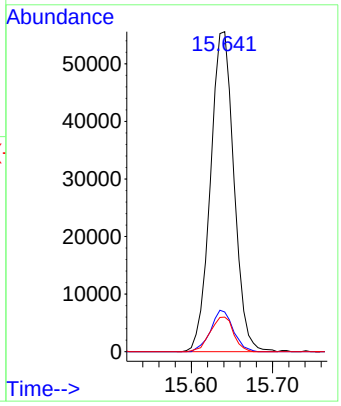


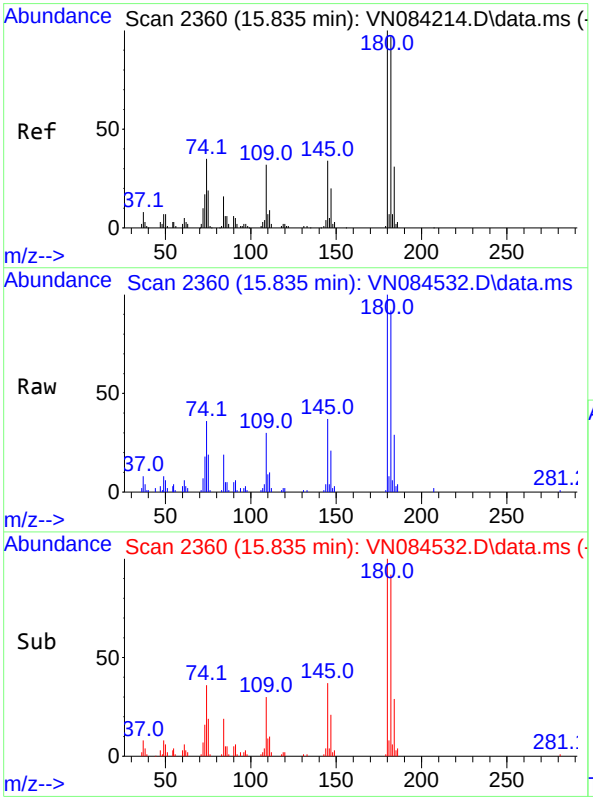
#95
Naphthalene
Concen: 16.742 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS01

Tgt Ion:128 Resp: 111821

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.8	8.7	13.1

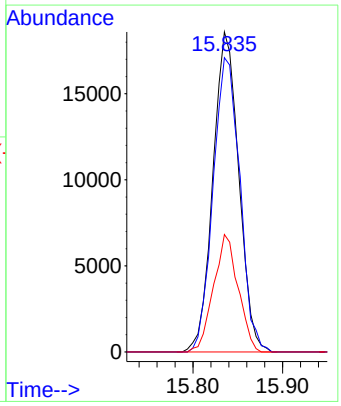




#96
1,2,3-Trichlorobenzene
Concen: 18.432 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084532.D
Acq: 28 Oct 2024 12:18

Tgt Ion:180 Resp: 37173

Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.2	144.6
145	35.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Quant Time: Oct 28 18:34:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	158931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	115590	49.053	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.100%			
35) Dibromofluoromethane	8.165	113	93090	51.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	10.565	98	330849	49.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.847	95	110647	45.497	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.000%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	450	1.158	ug/l #	73
16) Acetone	4.436	43	2878	2.843	ug/l	95
25) 2-Butanone	7.482	43	2697	1.956	ug/l	99
31) Cyclohexane	8.224	56	3797	1.088	ug/l #	5
36) 1,1-Dichloropropene	8.224	75	12634	4.794	ug/l #	52
37) Ethyl Acetate	7.482	43	2697	0.997	ug/l #	69
38) Carbon Tetrachloride	8.218	117	18039	6.240	ug/l #	18
51) 4-Methyl-2-Pentanone	10.559	43	1360	0.528	ug/l #	1
71) Bromoform	12.847	173	302	0.224	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57194	29.747	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57194	71.317	ug/l #	11

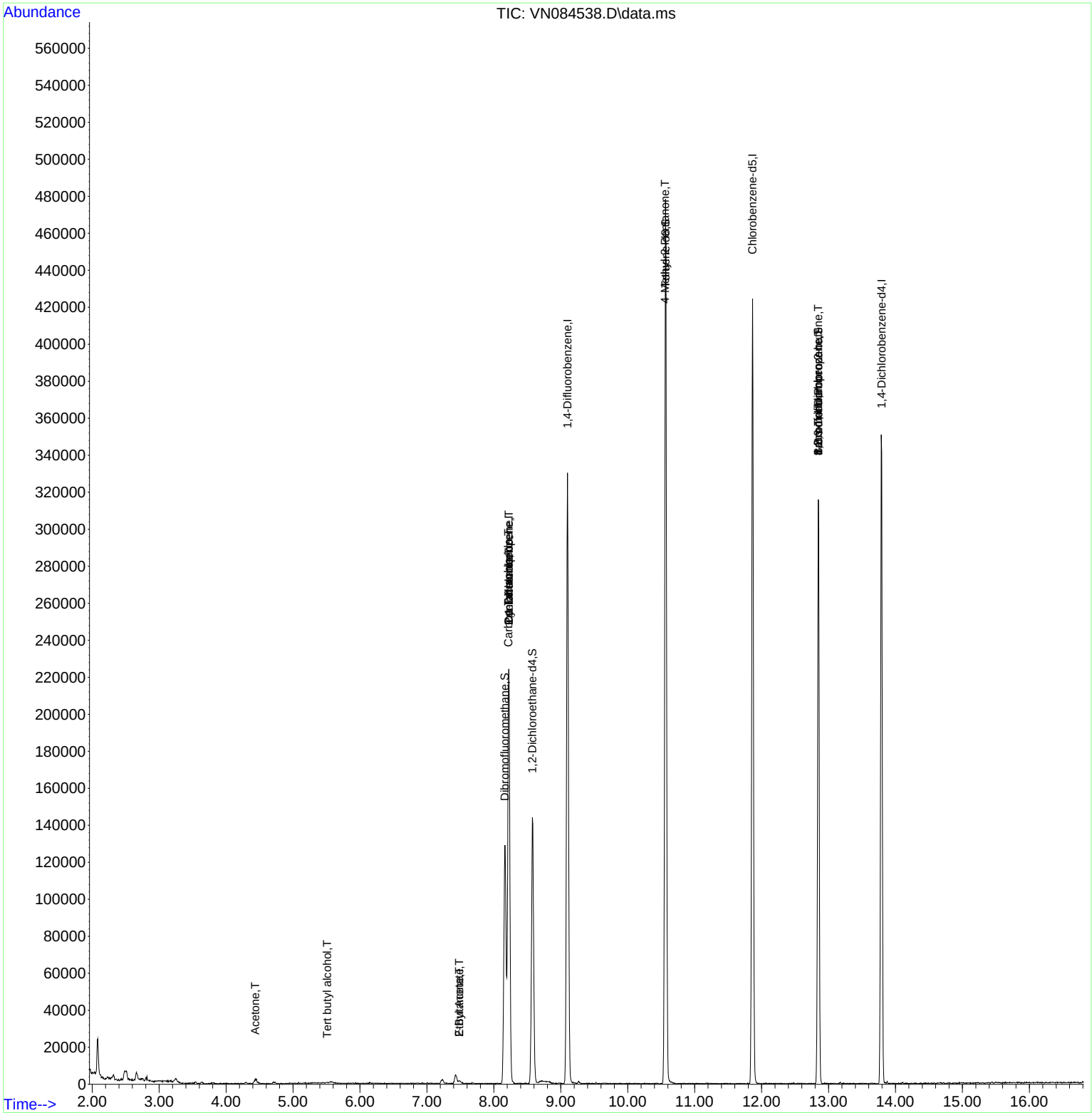
(#) = qualifier out of range (m) = manual integration (+) = signals summed

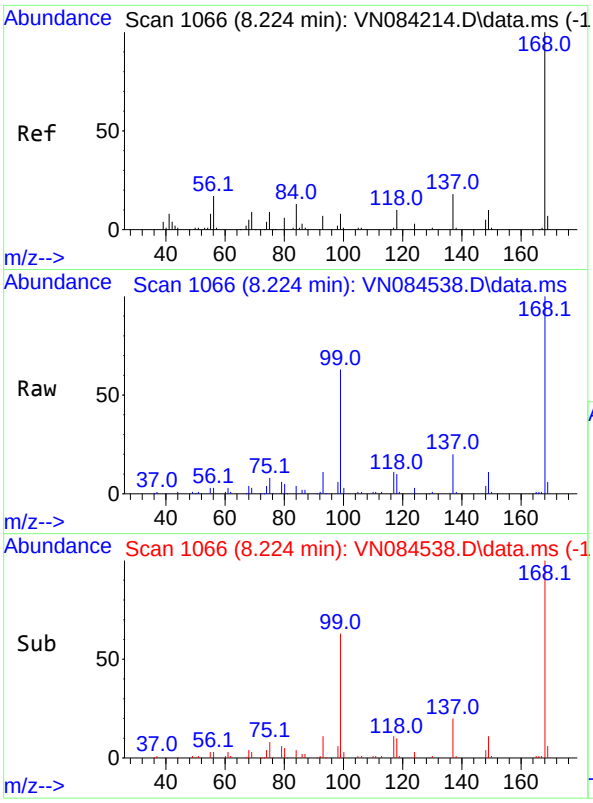
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084538.D
Acq On : 28 Oct 2024 14:41
Operator : JC\MD
Sample : P4550-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Quant Time: Oct 28 18:34:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



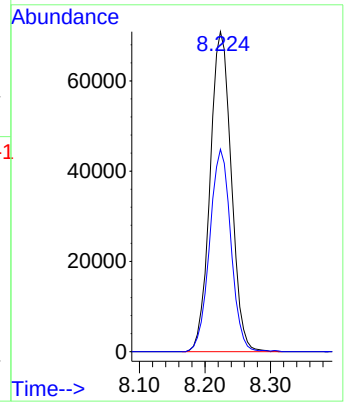


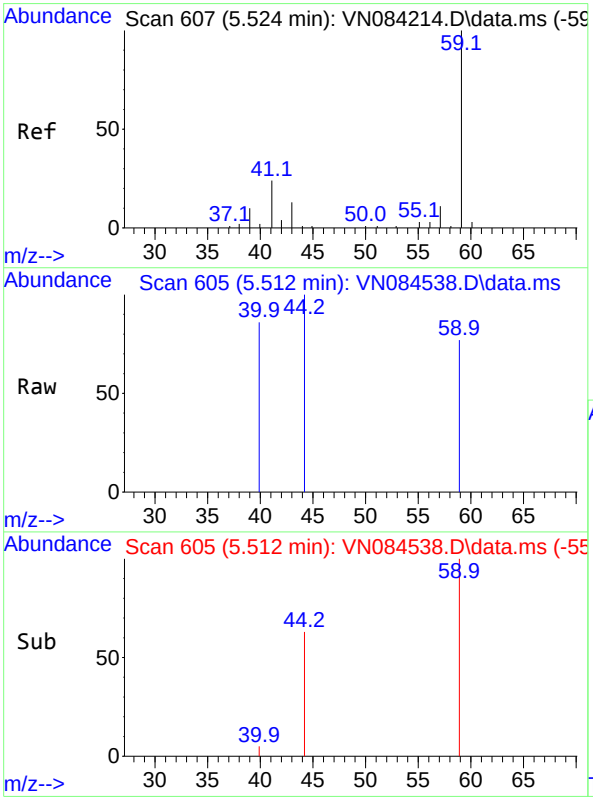
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion:168 Resp: 158931

Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2

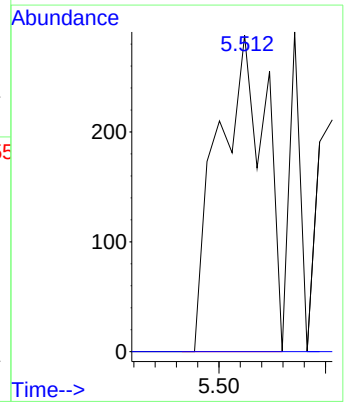


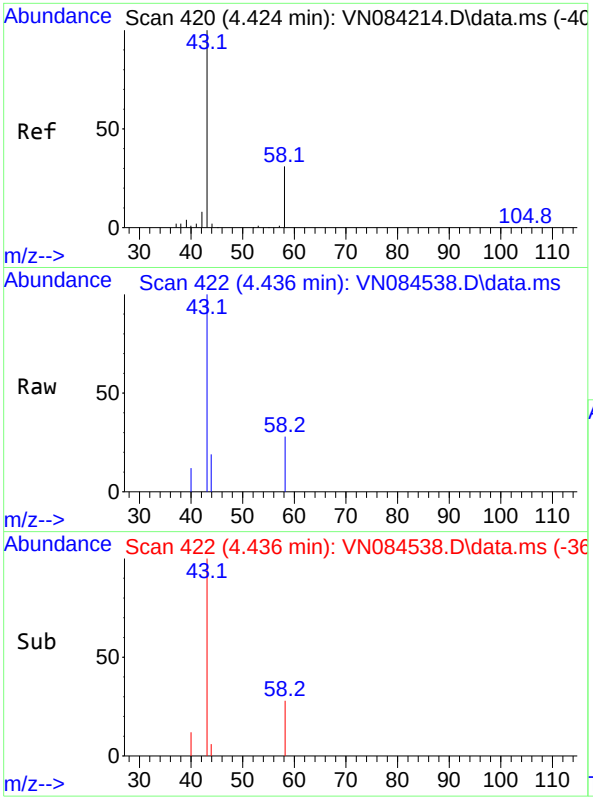


#11
Tert butyl alcohol
Concen: 1.158 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 59 Resp: 450

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



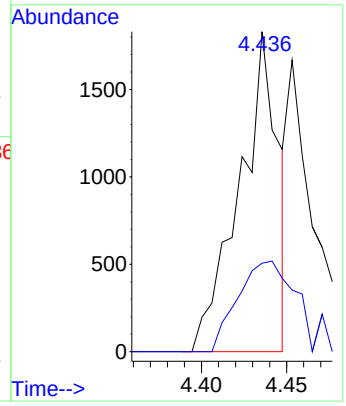


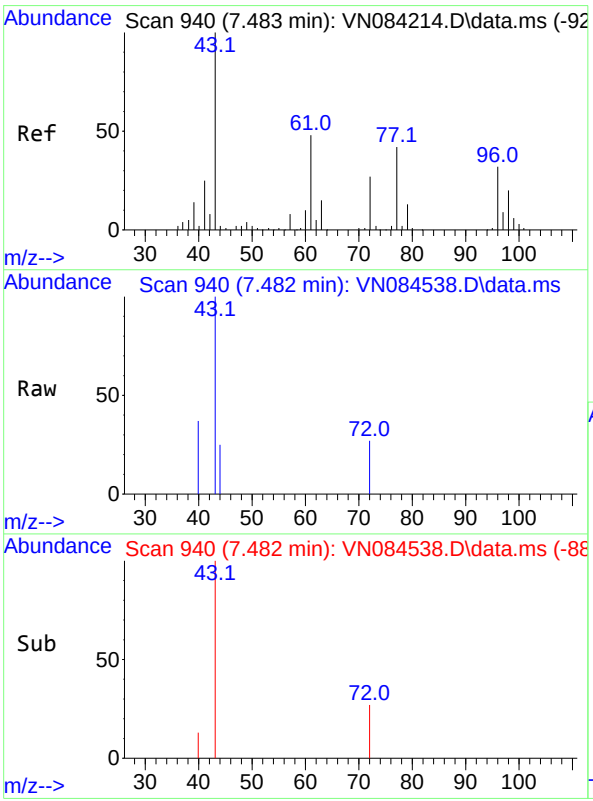
#16
Acetone
Concen: 2.843 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion: 43 Resp: 2878

Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.4	36.6

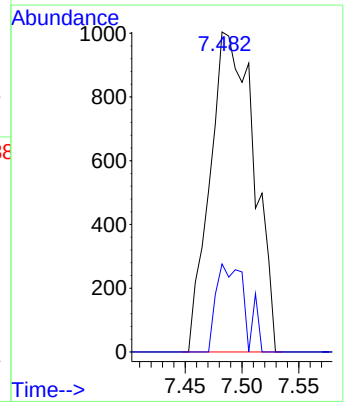


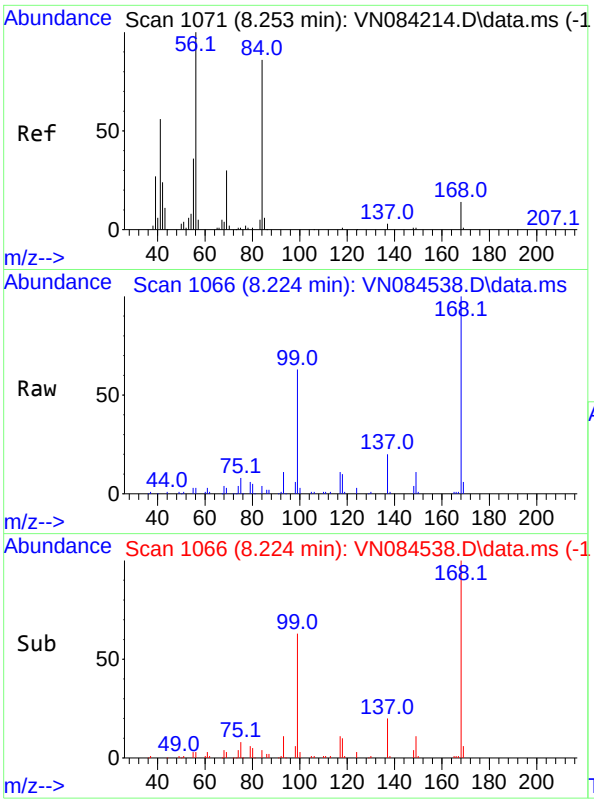


#25
2-Butanone
Concen: 1.956 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 43 Resp: 2697

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2



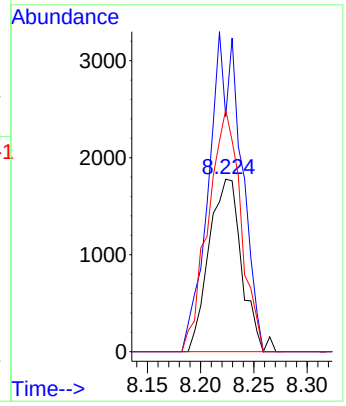


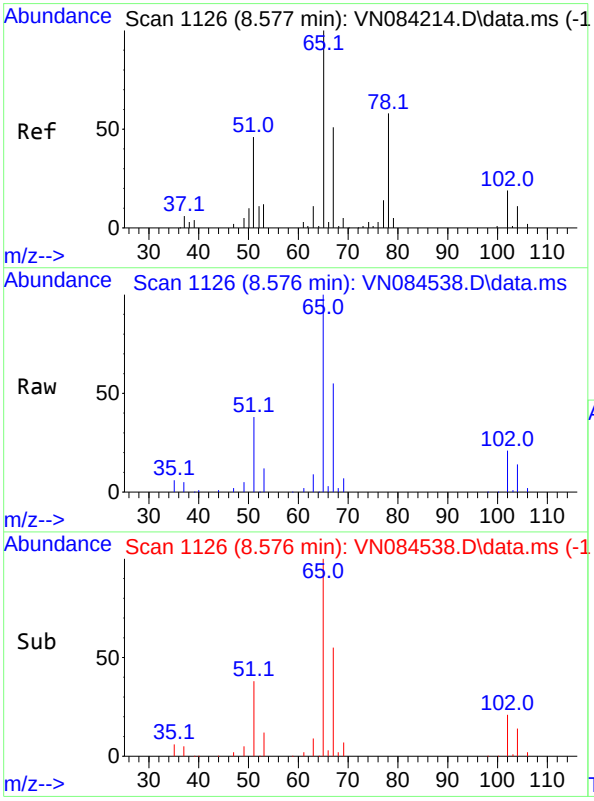
#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion: 56 Resp: 3797

Ion	Ratio	Lower	Upper
56	100		
69	136.3	23.8	35.6#
84	140.2	68.8	103.2#

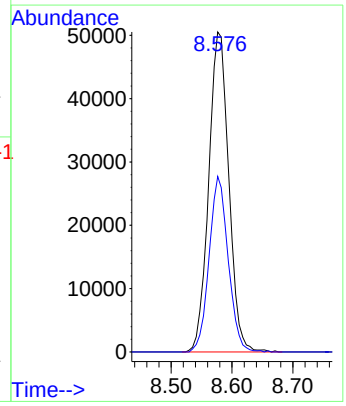


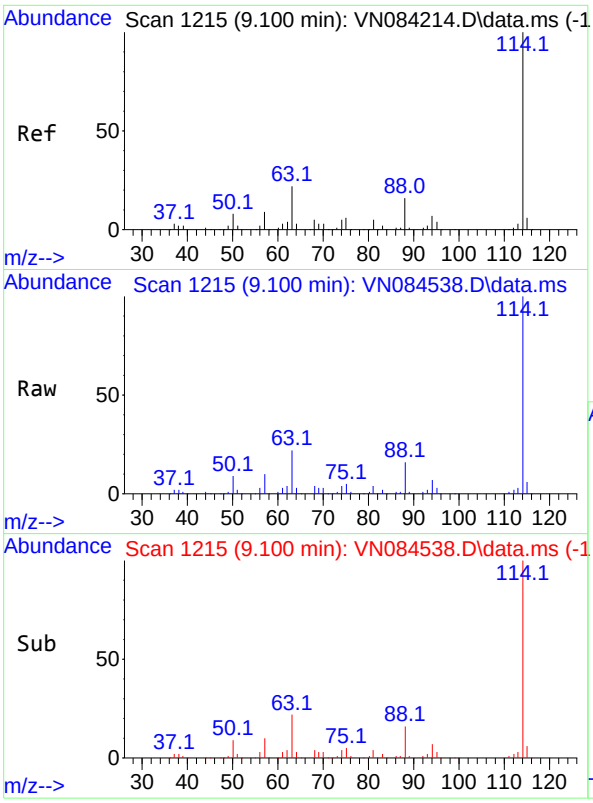


#33
1,2-Dichloroethane-d4
Concen: 49.053 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 65 Resp: 115590

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



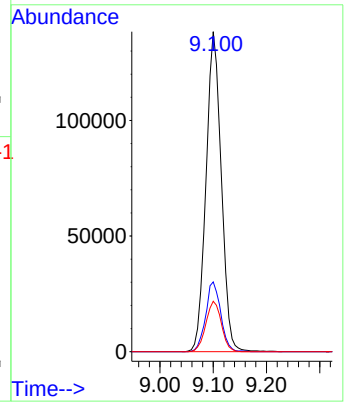


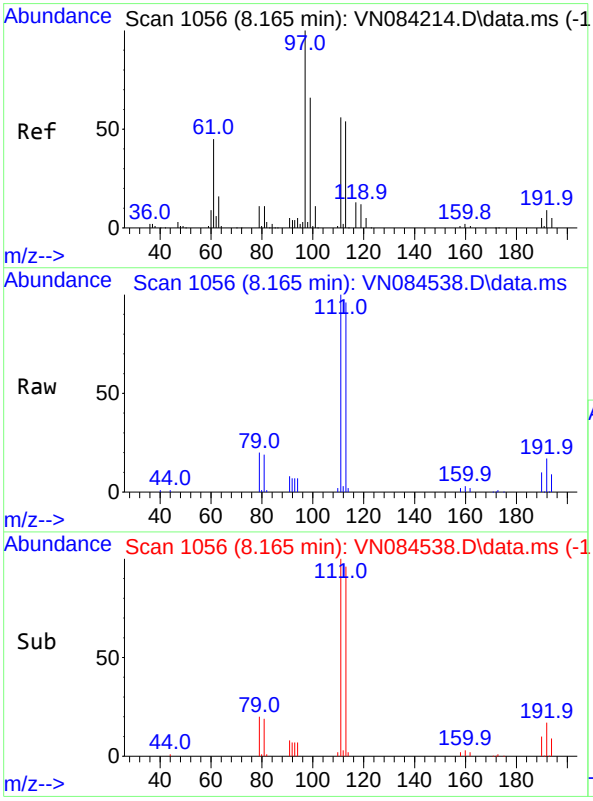
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion:114 Resp: 275224

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	15.7	0.0	31.6

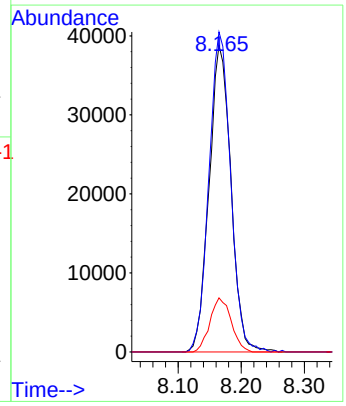


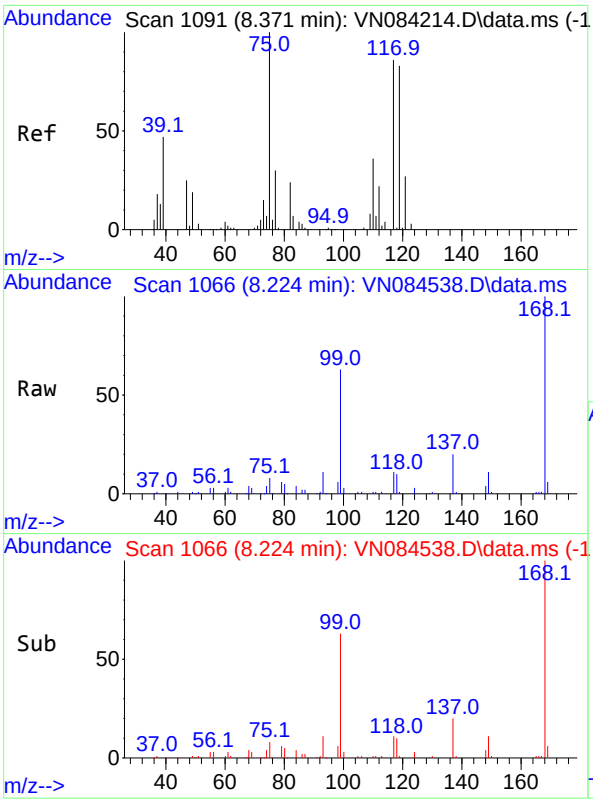


#35
Dibromofluoromethane
Concen: 51.305 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:113 Resp: 93090

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	17.2	13.5	20.3



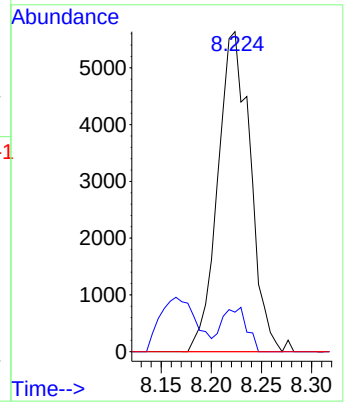


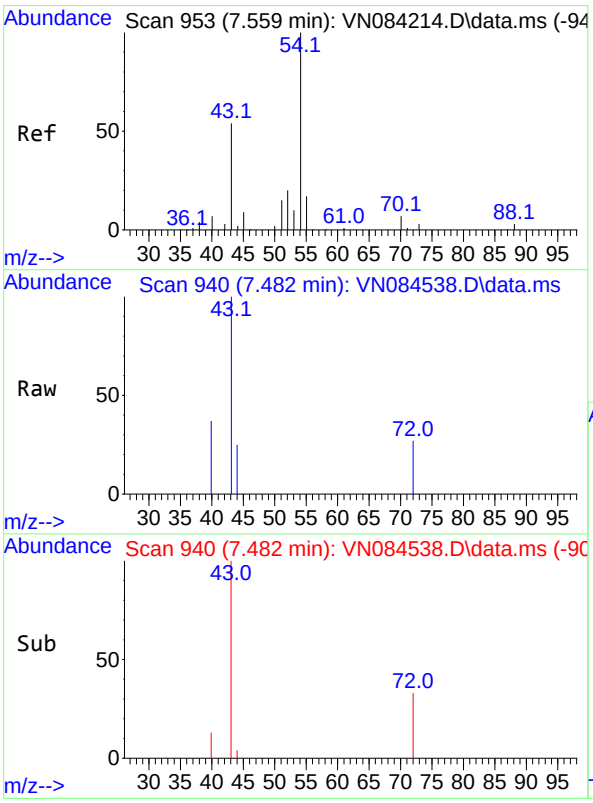
#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion: 75 Resp: 12634

Ion	Ratio	Lower	Upper
75	100		
110	10.7	16.9	50.7#
77	0.0	24.7	37.1#

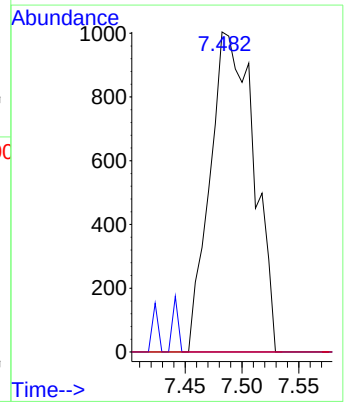


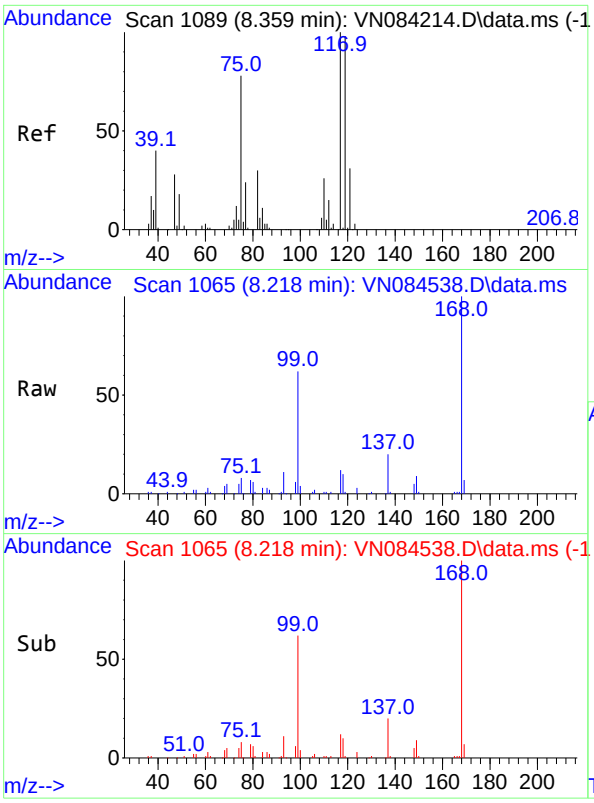


#37
Ethyl Acetate
Concen: 0.997 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.077 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 43 Resp: 2697

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	8.8	13.2#



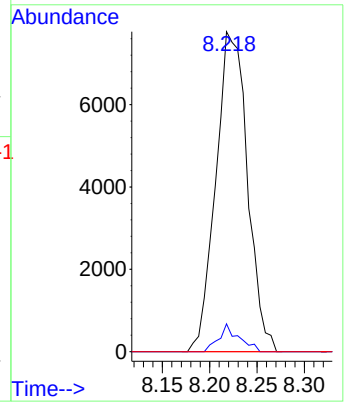


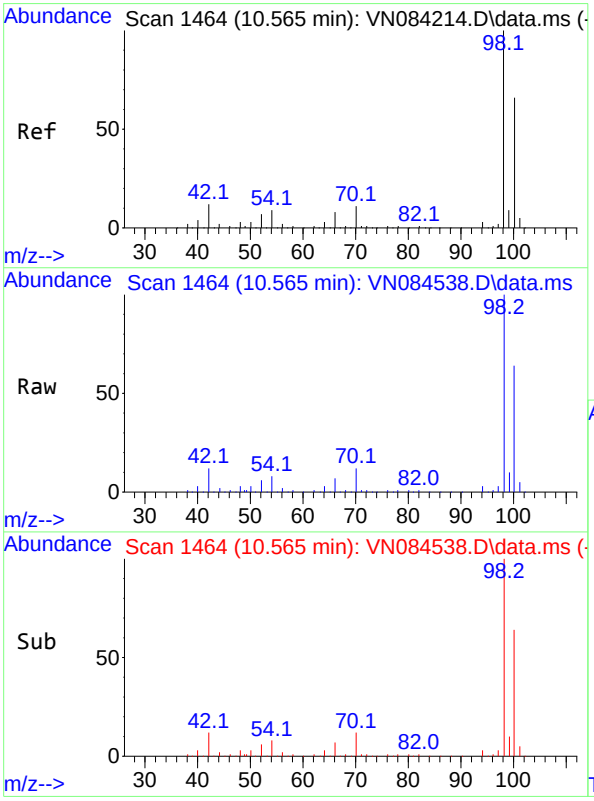
#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion:117 Resp: 18039

Ion	Ratio	Lower	Upper
117	100		
119	8.7	78.7	118.1#
121	0.0	24.4	36.6#

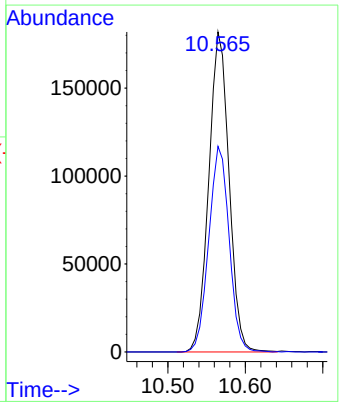


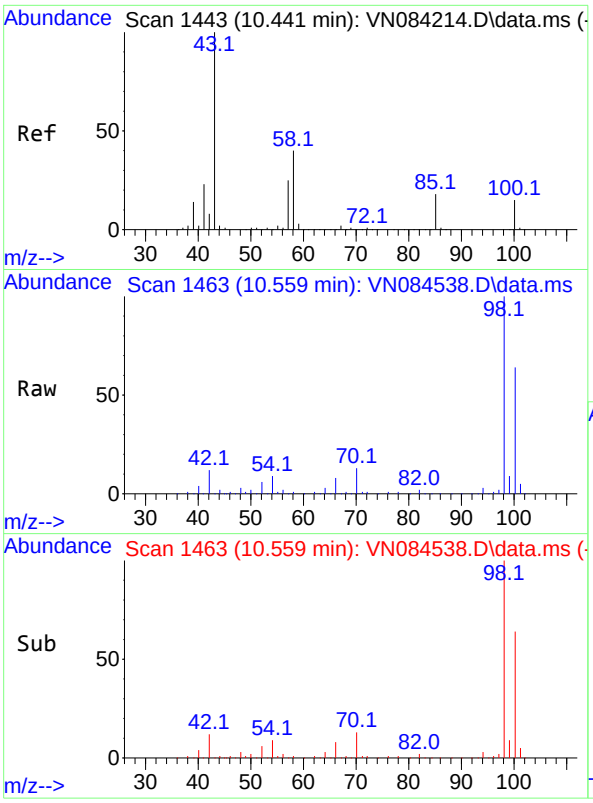


#50
Toluene-d8
Concen: 49.561 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 98 Resp: 330849

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1



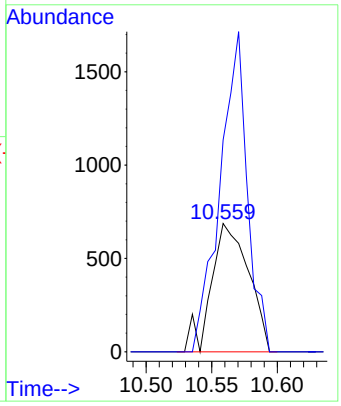


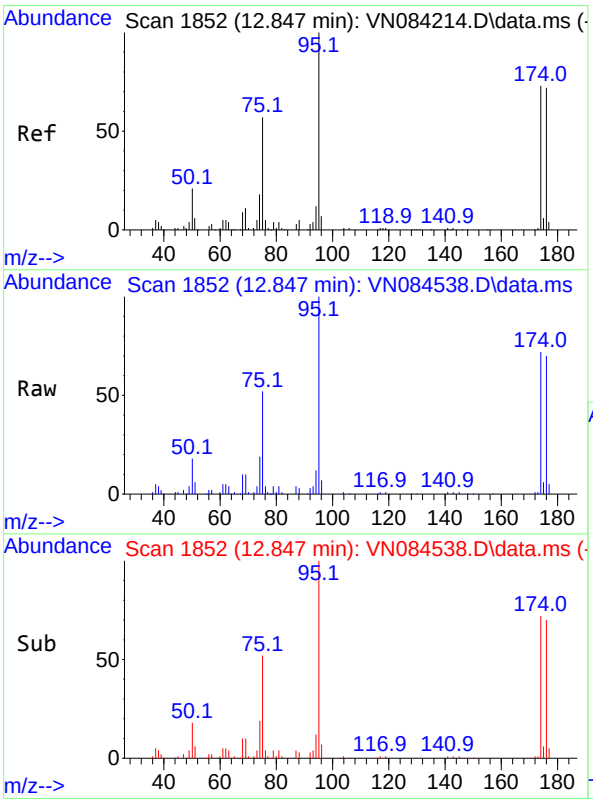
#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 10.559 min Scan# 14
Delta R.T. 0.117 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion: 43 Resp: 1360

Ion	Ratio	Lower	Upper
43	100		
58	183.5	31.6	47.4#

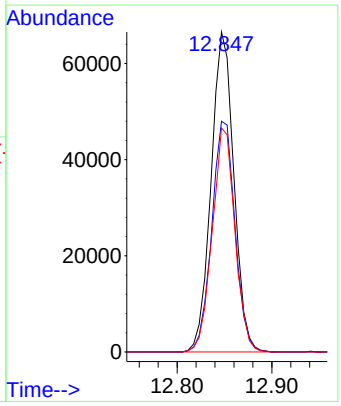


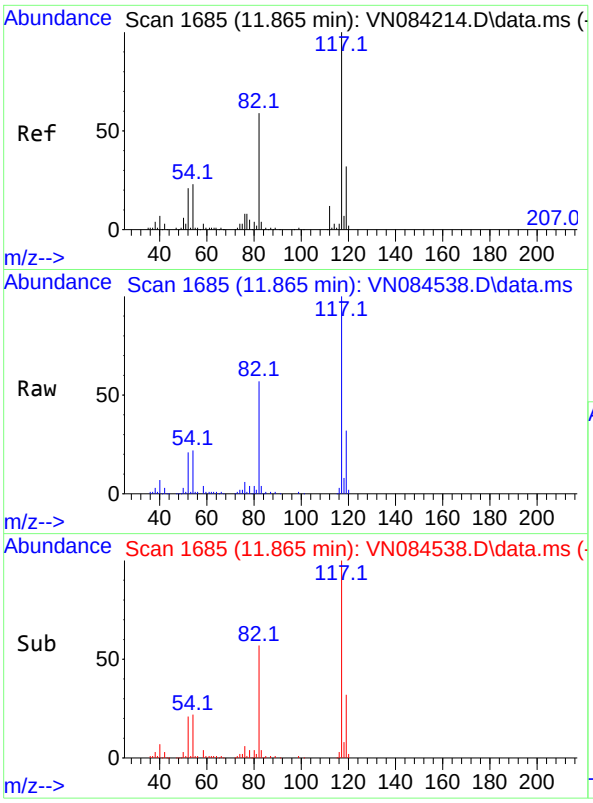


#62
4-Bromofluorobenzene
Concen: 45.497 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 95 Resp: 110647

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	70.0	0.0	140.0



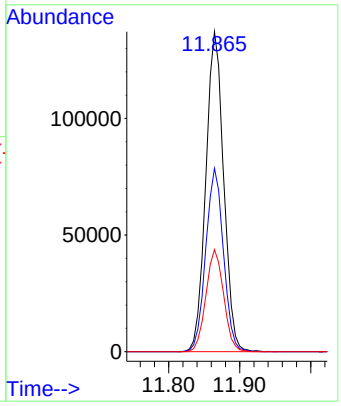


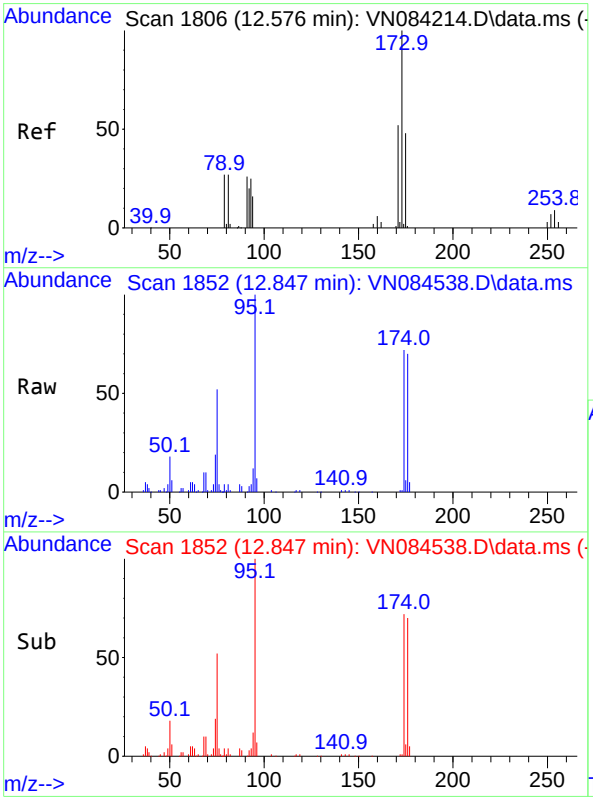
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion:117 Resp: 239281

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	31.9	25.4	38.0

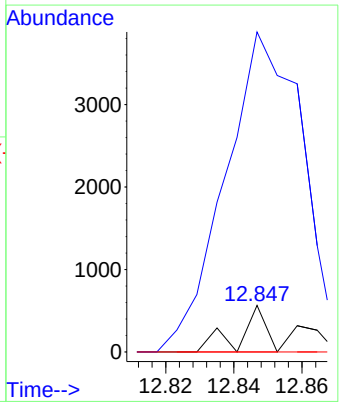


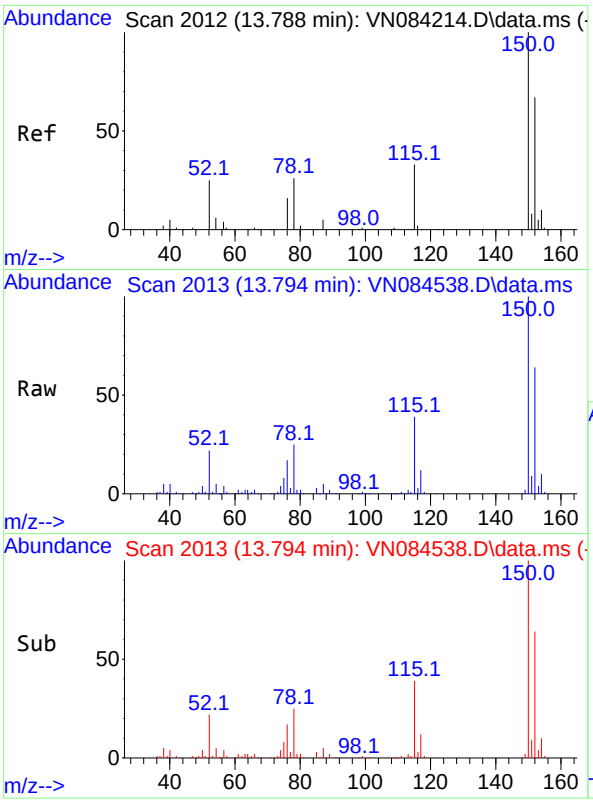


#71
Bromoform
Concen: 0.224 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion:173 Resp: 302

Ion	Ratio	Lower	Upper
173	100		
175	1474.2	23.5	70.6#
254	0.0	0.0	0.0



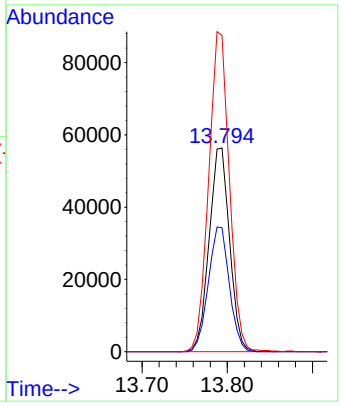


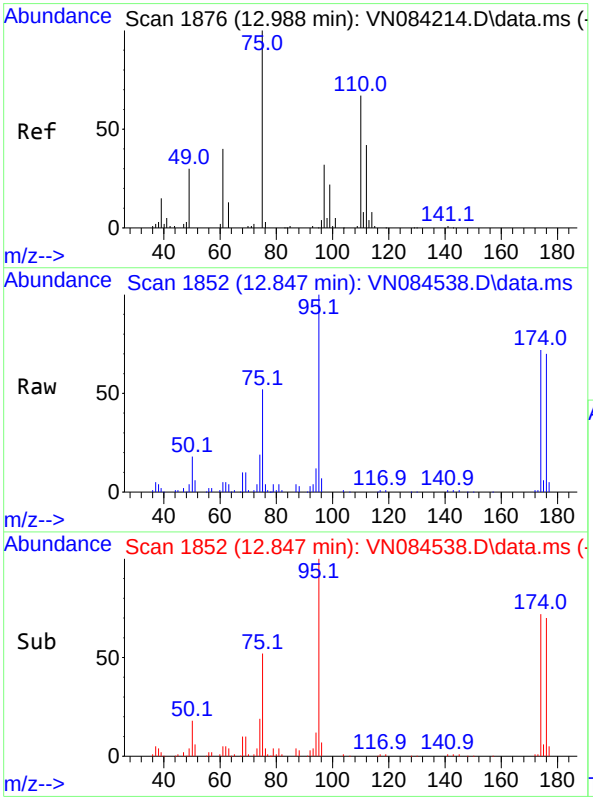
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion:152 Resp: 94178

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.9
150	158.1	0.0	349.8

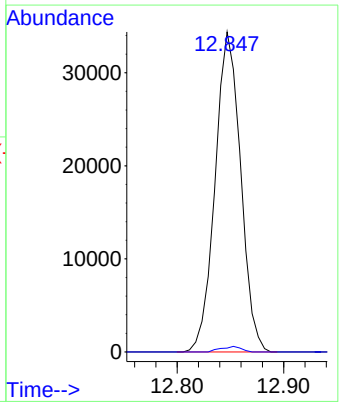


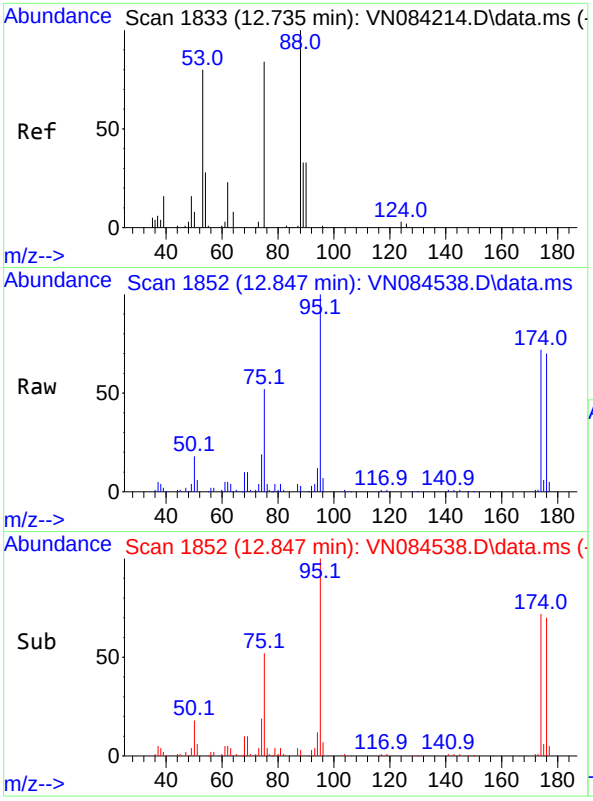


#76
1,2,3-Trichloropropane
Concen: 29.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Tgt Ion: 75 Resp: 57194

Ion	Ratio	Lower	Upper
75	100		
77	1.4	96.9	290.7#



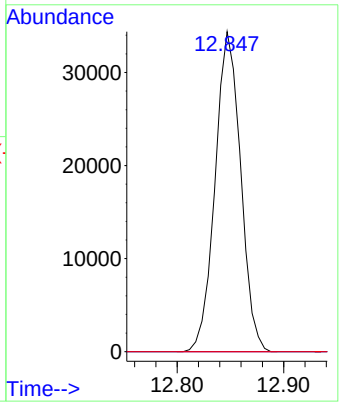


#81
trans-1,4-Dichloro-2-butene
Concen: 71.317 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN084538.D
Acq: 28 Oct 2024 14:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-418-420

Tgt Ion: 75 Resp: 57194

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.0	117.0#
89	0.0	35.5	53.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	118596	50.159	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.320%			
35) Dibromofluoromethane	8.165	113	97391	54.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.160%			
50) Toluene-d8	10.565	98	341956	52.084	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.847	95	132319	55.320	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	84394	44.742	ug/l	95
3) Chloromethane	2.359	50	95743	44.454	ug/l	93
4) Vinyl Chloride	2.512	62	96570	46.289	ug/l	97
5) Bromomethane	2.947	94	59406	43.170	ug/l	91
6) Chloroethane	3.112	64	61228	40.980	ug/l	96
7) Trichlorofluoromethane	3.494	101	166147	51.144	ug/l	98
8) Diethyl Ether	3.959	74	59989	49.789	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	95415	51.259	ug/l	99
10) Methyl Iodide	4.589	142	117950	49.204	ug/l	96
11) Tert butyl alcohol	5.524	59	86543	221.981	ug/l	100
12) 1,1-Dichloroethene	4.341	96	89204	49.683	ug/l	94
13) Acrolein	4.177	56	110877	247.729	ug/l	99
14) Allyl chloride	5.018	41	138532	44.426	ug/l	98
15) Acrylonitrile	5.718	53	262473	266.599	ug/l	99
16) Acetone	4.430	43	206942	203.746	ug/l	96
17) Carbon Disulfide	4.712	76	239062	42.054	ug/l	98
18) Methyl Acetate	5.024	43	129456	58.478	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	310812	51.289	ug/l	99
20) Methylene Chloride	5.277	84	104884	50.799	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	95606	50.825	ug/l	100
22) Diisopropyl ether	6.671	45	334645	51.884	ug/l	99
23) Vinyl Acetate	6.600	43	1165582	243.647	ug/l	99
24) 1,1-Dichloroethane	6.565	63	188749	52.329	ug/l	99
25) 2-Butanone	7.482	43	335882	242.797	ug/l	100
26) 2,2-Dichloropropane	7.488	77	155824	47.913	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	117036	51.488	ug/l	96
28) Bromochloromethane	7.812	49	77273	48.015	ug/l	96
29) Tetrahydrofuran	7.841	42	229105	268.364	ug/l	97
30) Chloroform	7.965	83	197637	52.750	ug/l	99
31) Cyclohexane	8.253	56	155023	44.265	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	175686	52.211	ug/l	99
36) 1,1-Dichloropropene	8.371	75	133369	51.452	ug/l	99
37) Ethyl Acetate	7.559	43	136738	51.419	ug/l	98
38) Carbon Tetrachloride	8.359	117	152321	53.570	ug/l	98
39) Methylcyclohexane	9.600	83	141869	49.176	ug/l	98
40) Benzene	8.606	78	428549	53.064	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	76591	53.052	ug/l		97
42) 1,2-Dichloroethane	8.671	62	141711	51.759	ug/l		99
43) Isopropyl Acetate	8.688	43	226393	43.464	ug/l		97
44) Trichloroethene	9.347	130	98607	52.277	ug/l		97
45) 1,2-Dichloropropane	9.618	63	103844	54.355	ug/l		97
46) Dibromomethane	9.712	93	73528	57.031	ug/l		98
47) Bromodichloromethane	9.888	83	156464	54.624	ug/l		99
48) Methyl methacrylate	9.676	41	110713	53.396	ug/l		99
49) 1,4-Dioxane	9.694	88	40916	1071.873	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	719221	284.107	ug/l		100
52) Toluene	10.629	92	264357	53.679	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	156908	53.739	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	157808	50.248	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	101219	57.332	ug/l		95
56) Ethyl methacrylate	10.870	69	161808	55.699	ug/l		98
57) 1,3-Dichloropropane	11.159	76	169857	53.842	ug/l		99
59) 2-Hexanone	11.194	43	527568	278.829	ug/l		98
60) Dibromochloromethane	11.359	129	118782	56.943	ug/l		99
61) 1,2-Dibromoethane	11.470	107	101282	55.209	ug/l		99
64) Tetrachloroethene	11.100	164	85094	49.051	ug/l		99
65) Chlorobenzene	11.888	112	280407	50.776	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	101295	53.253	ug/l		99
67) Ethyl Benzene	11.965	91	502523	51.455	ug/l		99
68) m/p-Xylenes	12.070	106	387245	107.192	ug/l		99
69) o-Xylene	12.400	106	185754	54.346	ug/l		98
70) Styrene	12.412	104	320263	55.319	ug/l		99
71) Bromoform	12.576	173	80470	57.461	ug/l	#	98
73) Isopropylbenzene	12.694	105	472876	47.803	ug/l		99
74) N-amyl acetate	12.494	43	201025	44.876	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	149767	50.350	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	192657	72.797	ug/l		59
77) Bromobenzene	12.976	156	115100	48.237	ug/l		96
78) n-propylbenzene	13.035	91	567662	49.529	ug/l		99
79) 2-Chlorotoluene	13.123	91	349631	47.807	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	405680	50.275	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	50423	45.678	ug/l		90
82) 4-Chlorotoluene	13.217	91	355598	48.301	ug/l		99
83) tert-Butylbenzene	13.435	119	347621	48.470	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	414620	51.006	ug/l		99
85) sec-Butylbenzene	13.617	105	473419	49.467	ug/l		100
86) p-Isopropyltoluene	13.729	119	400441	50.600	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	217557	48.602	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	213556	47.242	ug/l		99
89) n-Butylbenzene	14.053	91	335833	46.800	ug/l		100
90) Hexachloroethane	14.329	117	73059	45.481	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	208440	47.489	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27746	45.203	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	97943	45.303	ug/l		98
94) Hexachlorobutadiene	15.500	225	44874	41.621	ug/l		98
95) Naphthalene	15.641	128	322365	44.978	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	100172	46.288	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

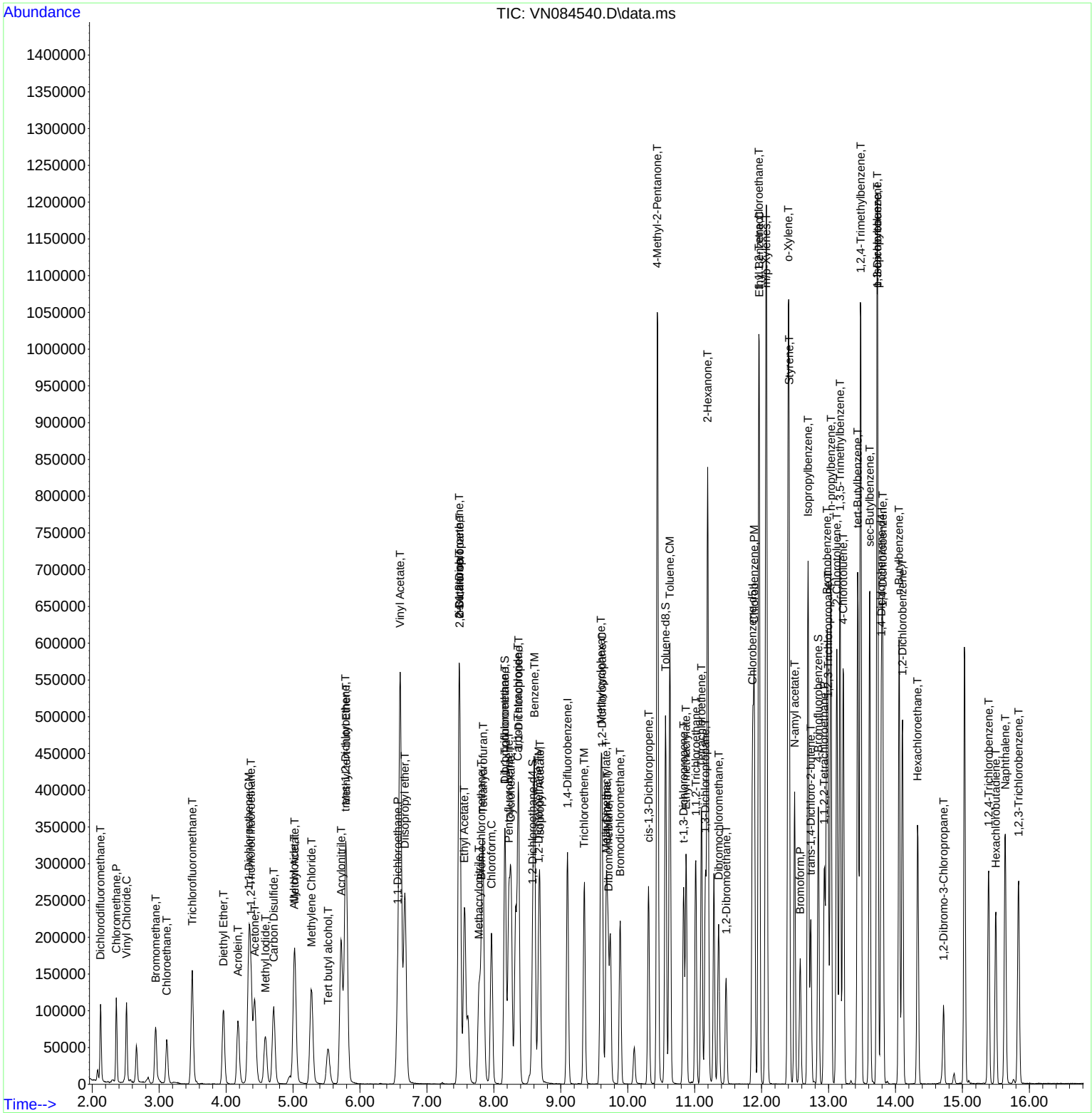
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

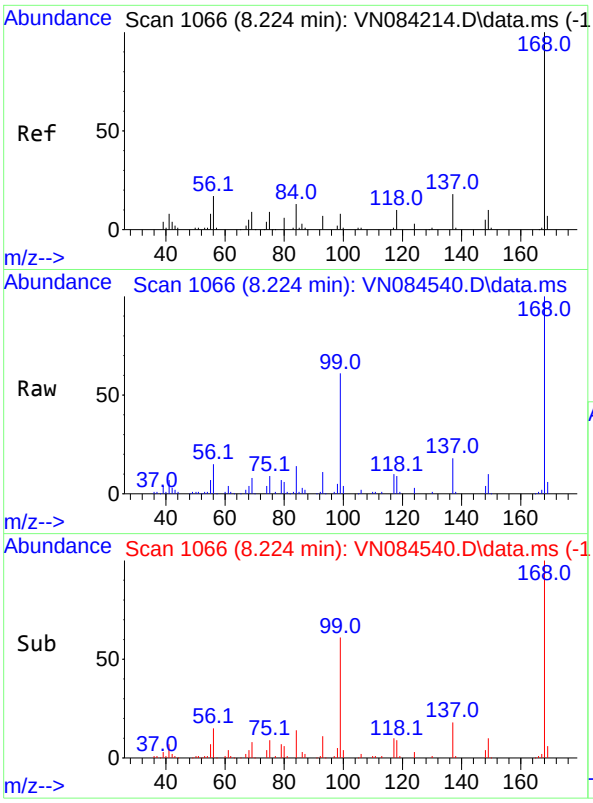
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084540.D
Acq On : 28 Oct 2024 15:29
Operator : JC\MD
Sample : P4550-07MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Quant Time: Oct 28 18:34:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



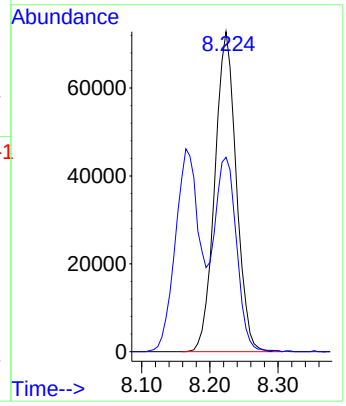


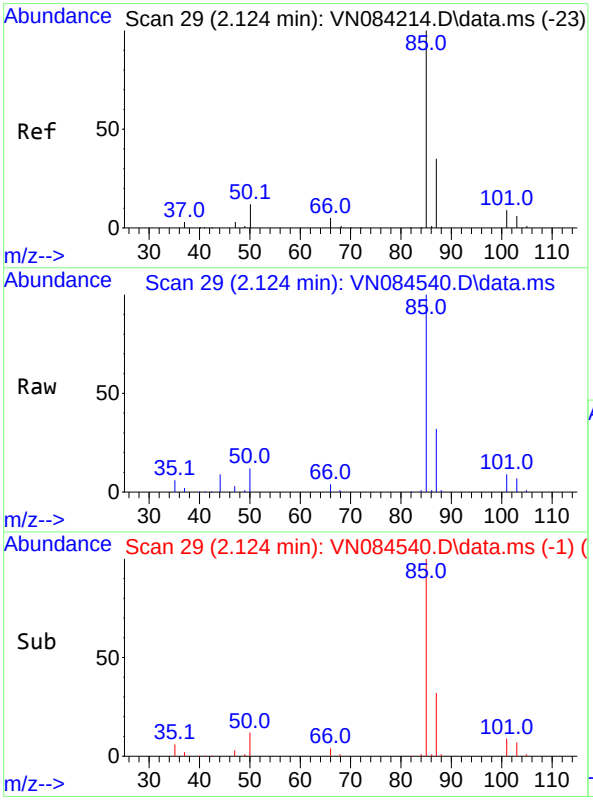
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:168 Resp: 159466

Ion	Ratio	Lower	Upper
168	100		
99	60.7	54.2	81.2

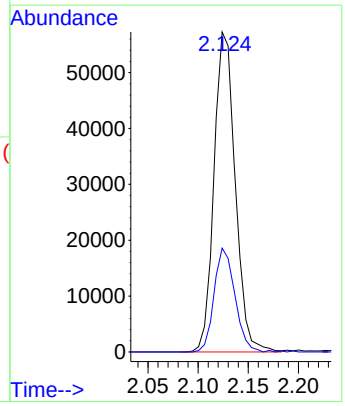


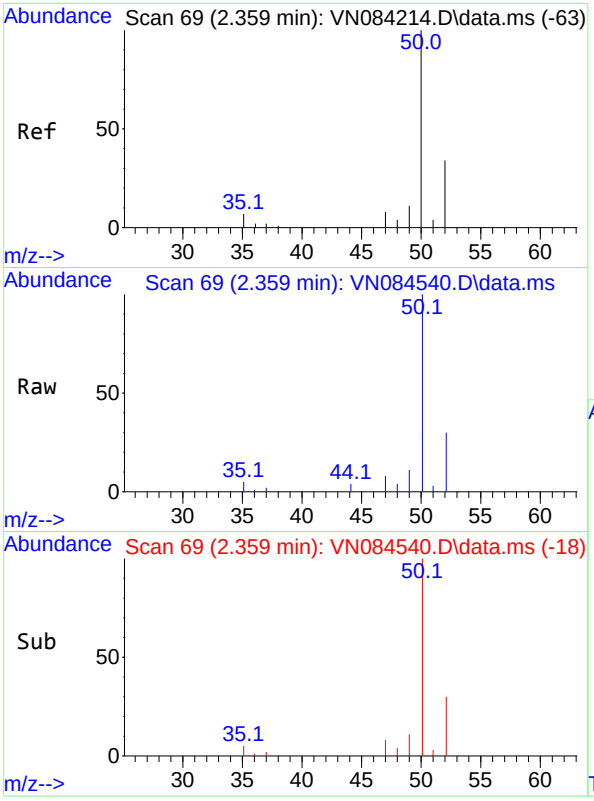


#2
Dichlorodifluoromethane
Concen: 44.742 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 85 Resp: 84394

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.6	52.9



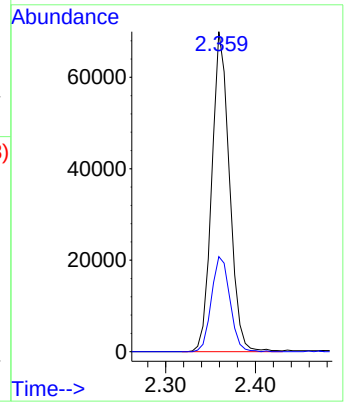


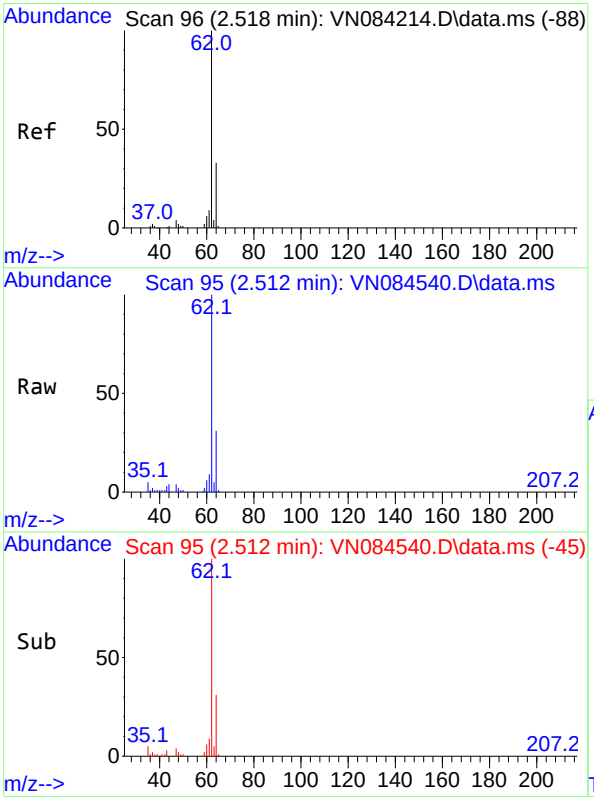
#3
Chloromethane
Concen: 44.454 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 50 Resp: 95743

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.8	40.2

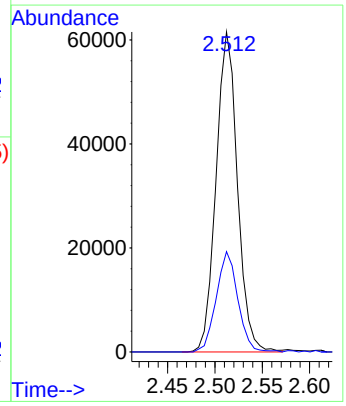


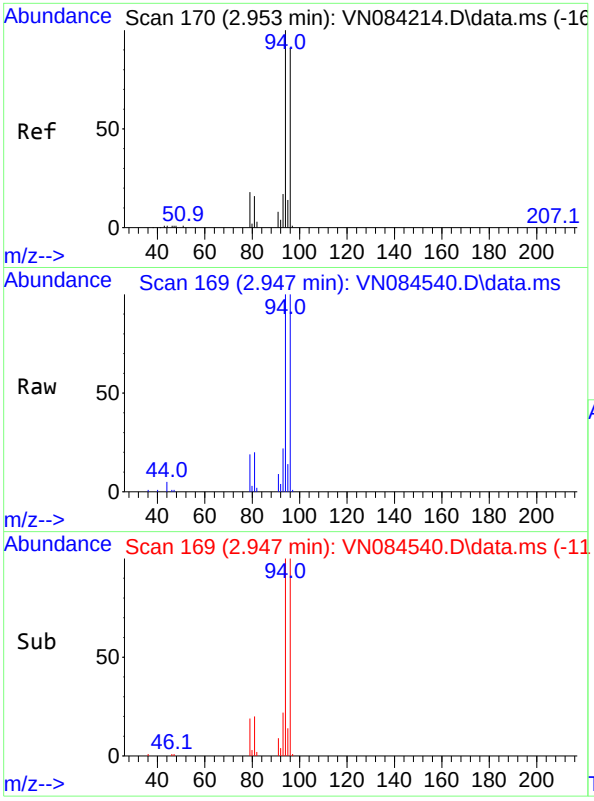


#4
Vinyl Chloride
Concen: 46.289 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 62 Resp: 96570

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.2	39.4



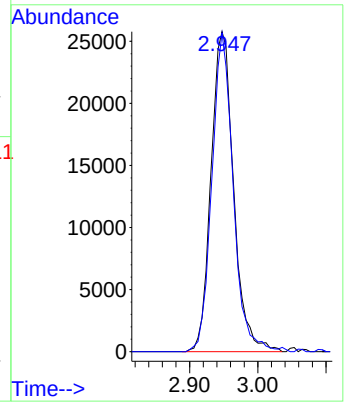


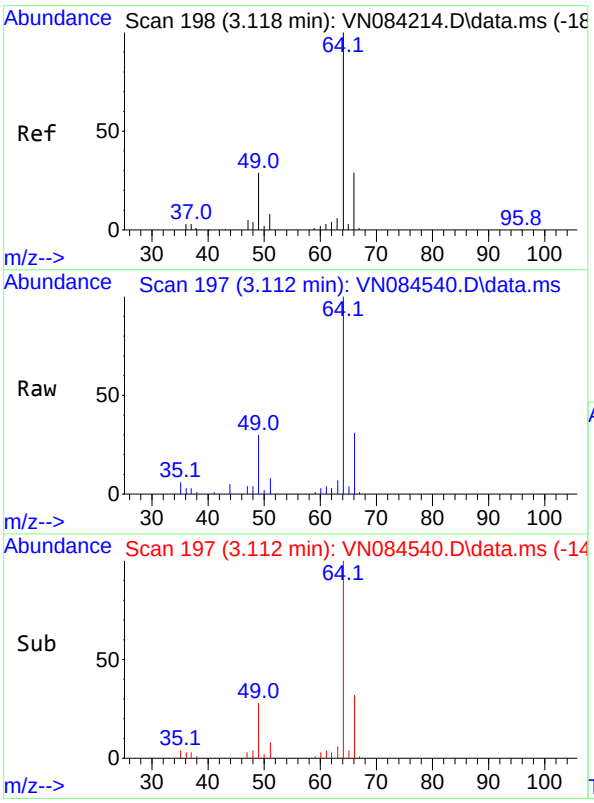
#5
Bromomethane
Concen: 43.170 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 94 Resp: 59406

Ion	Ratio	Lower	Upper
94	100		
96	99.6	72.9	109.3

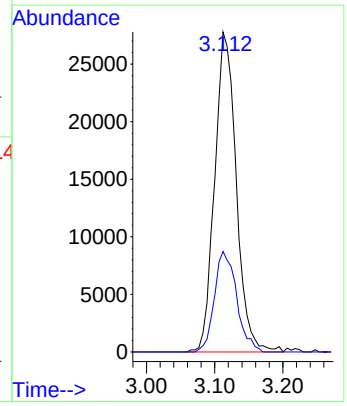


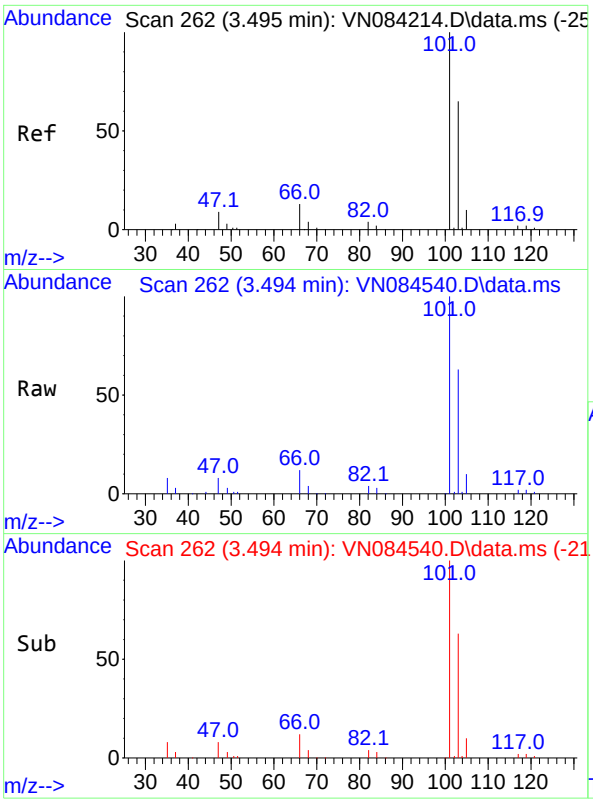


#6
Chloroethane
Concen: 40.980 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 64 Resp: 61228

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3



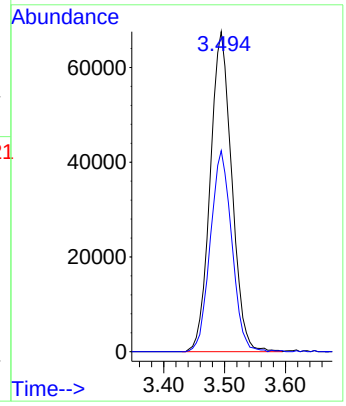


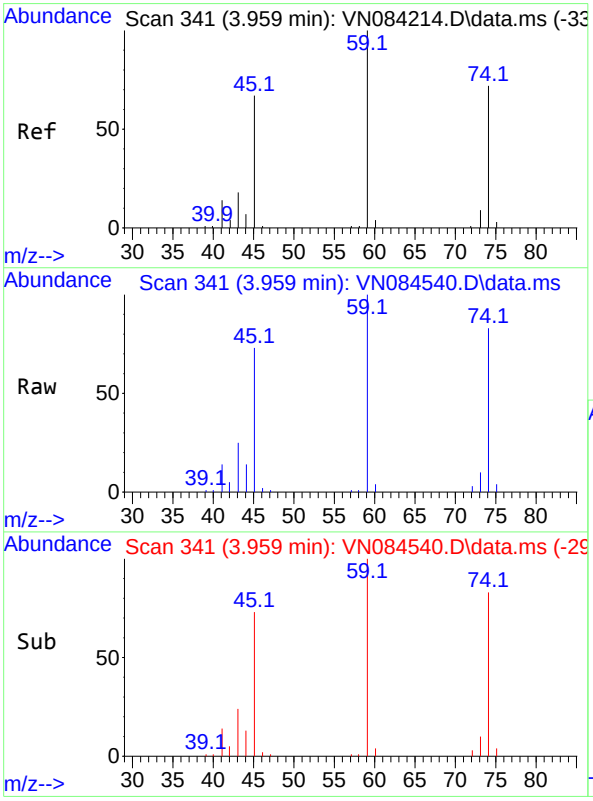
#7
Trichlorofluoromethane
Concen: 51.144 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:101 Resp: 166147

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.8	77.6

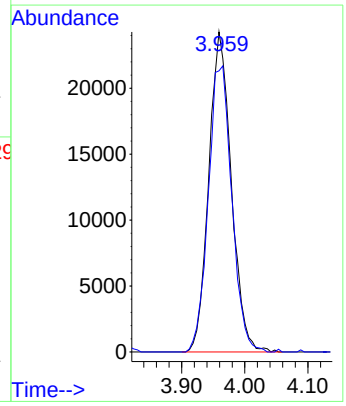


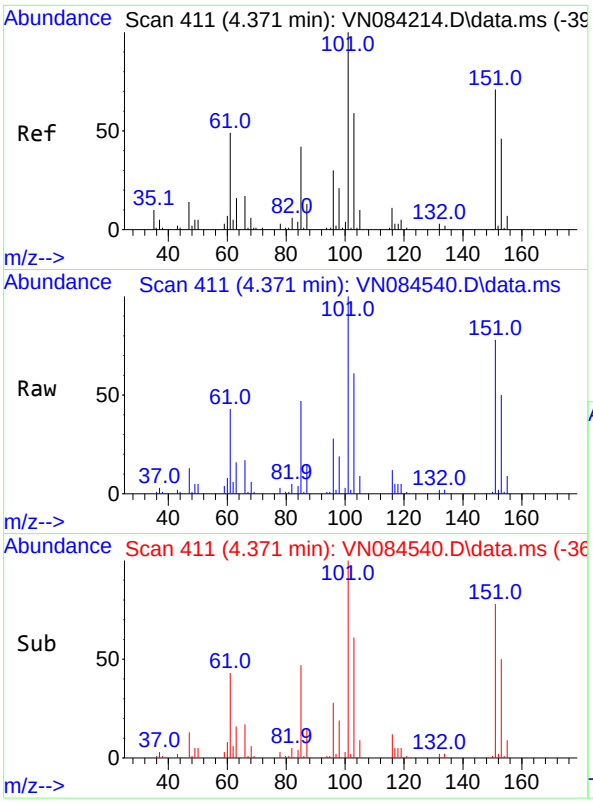


#8
Diethyl Ether
Concen: 49.789 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 74 Resp: 59989

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1



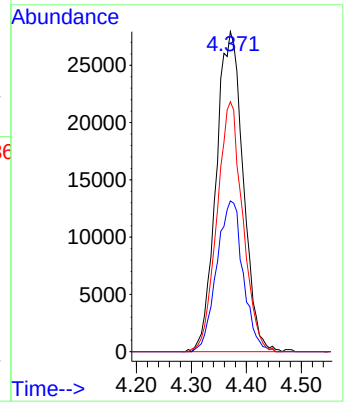


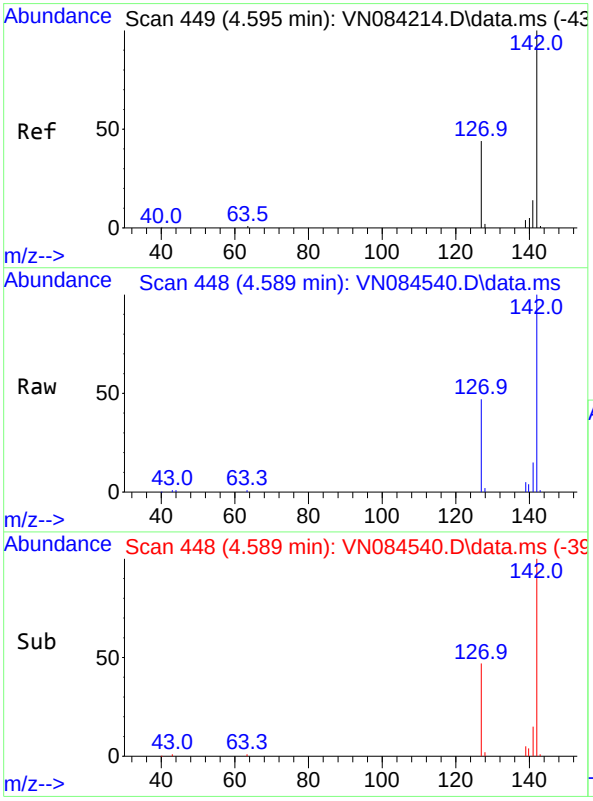
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.259 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:101 Resp: 95415

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	74.2	59.3	88.9

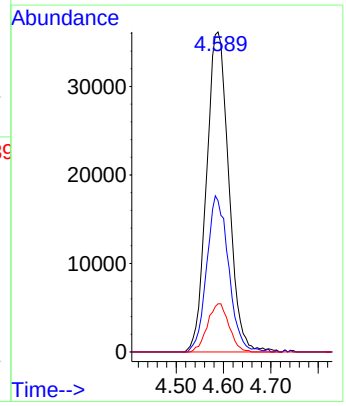


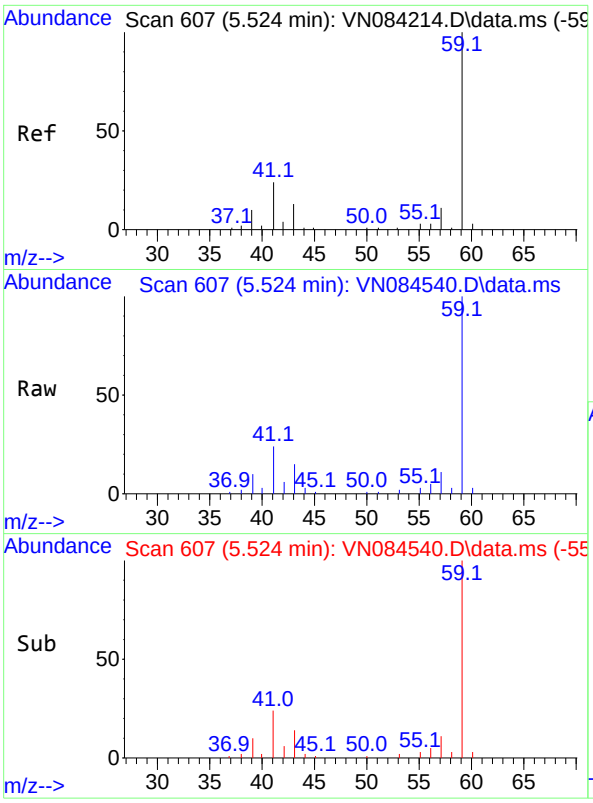


#10
Methyl Iodide
Concen: 49.204 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:142 Resp: 117950

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	15.0	11.0	16.6



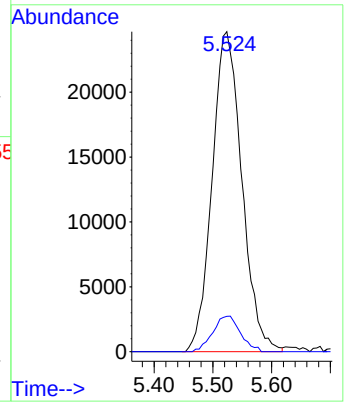


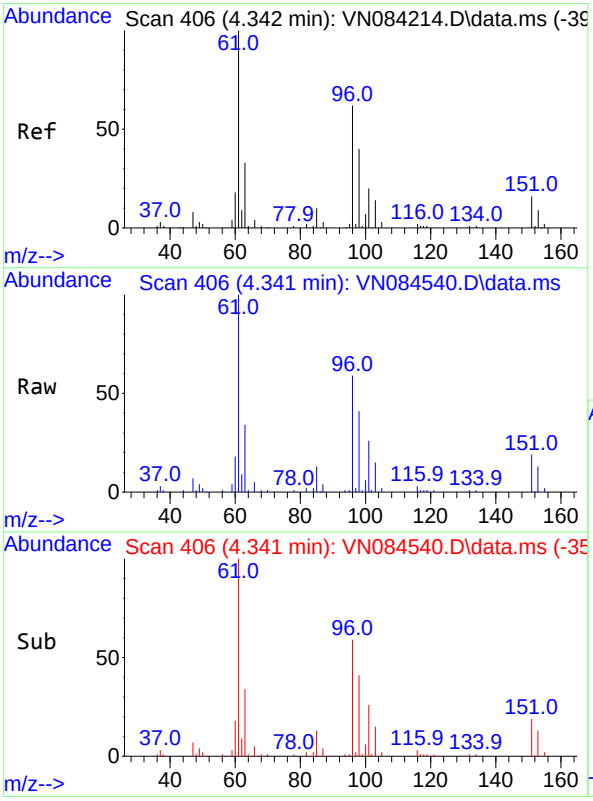
#11
Tert butyl alcohol
Concen: 221.981 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 59 Resp: 86543

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

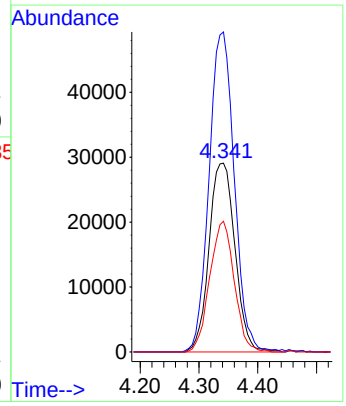


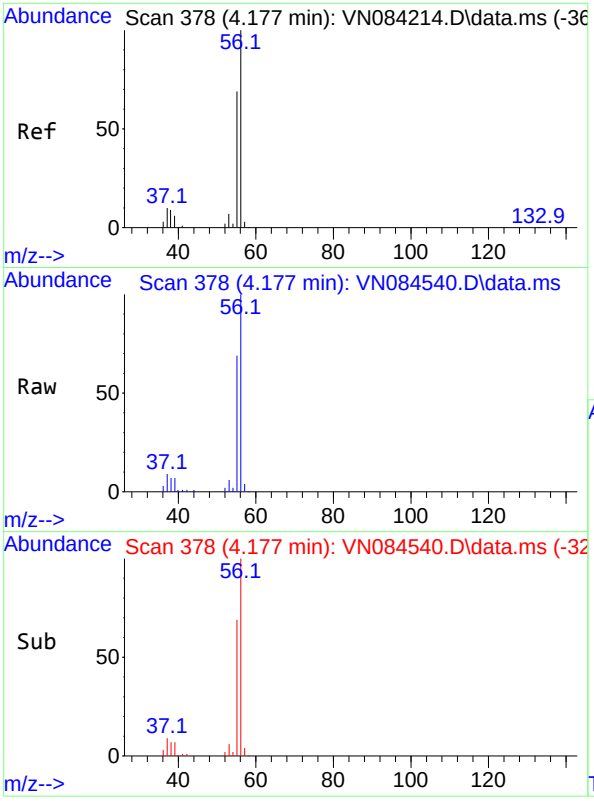


#12
1,1-Dichloroethene
Concen: 49.683 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 96 Resp: 89204

Ion	Ratio	Lower	Upper
96	100		
61	169.5	128.6	192.8
98	69.2	51.7	77.5



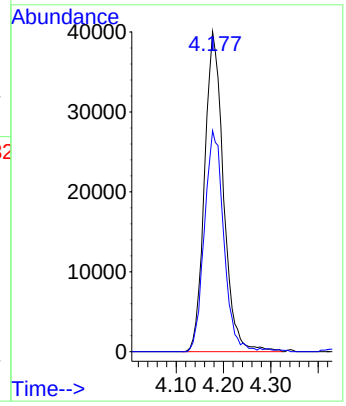


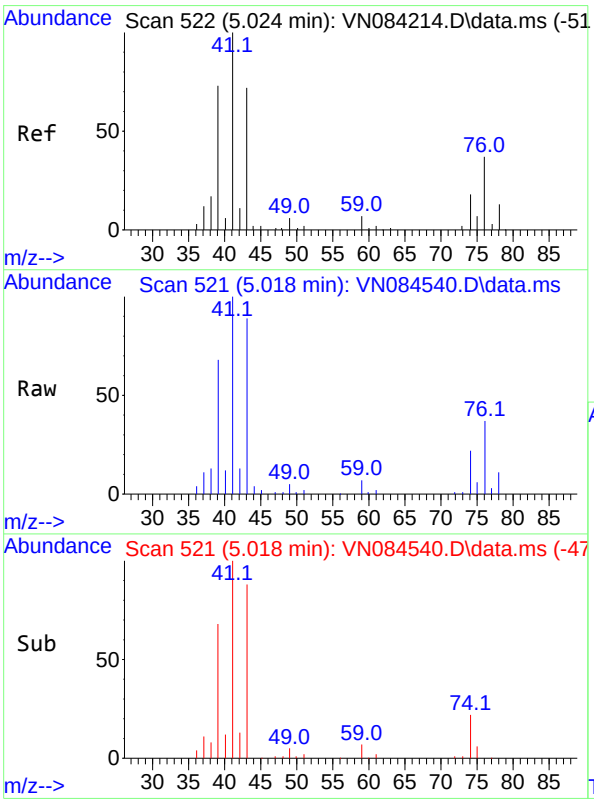
#13
Acrolein
Concen: 247.729 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 56 Resp: 110877

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8

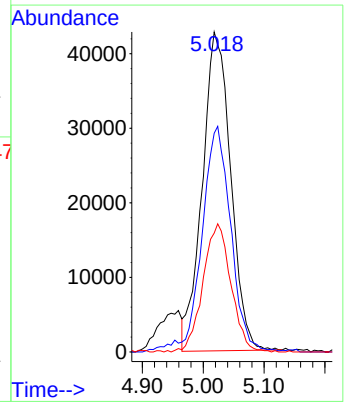


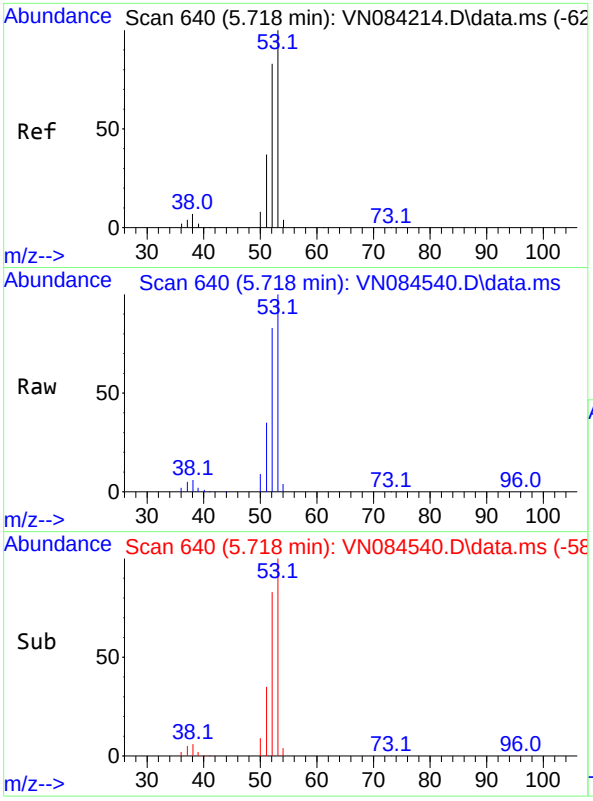


#14
Allyl chloride
Concen: 44.426 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 41 Resp: 138532

Ion	Ratio	Lower	Upper
41	100		
39	72.4	59.0	88.6
76	39.6	29.8	44.6



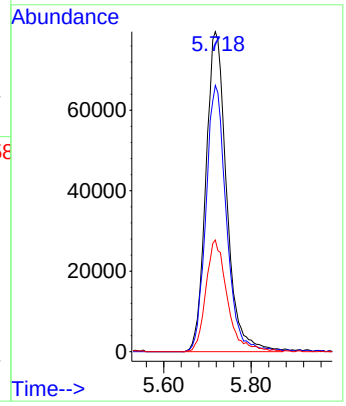


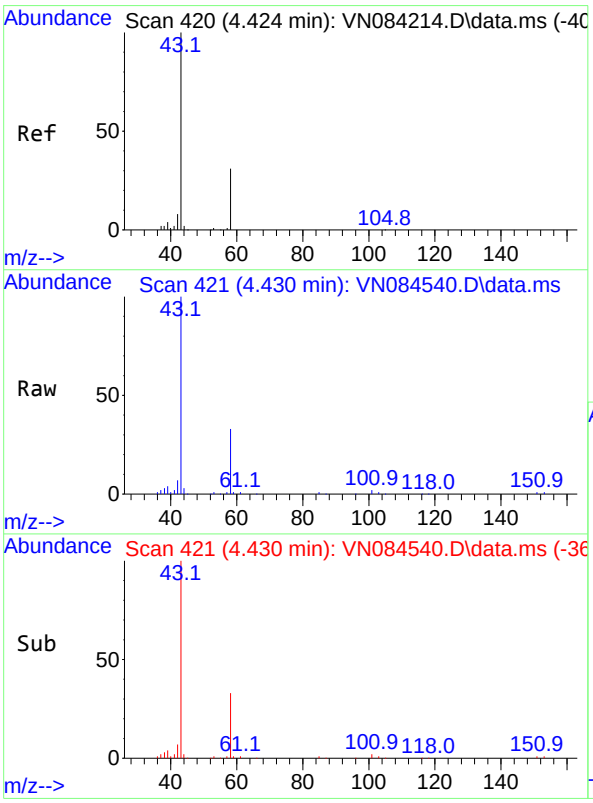
#15
Acrylonitrile
Concen: 266.599 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 53 Resp: 262473

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.0	28.8	43.2

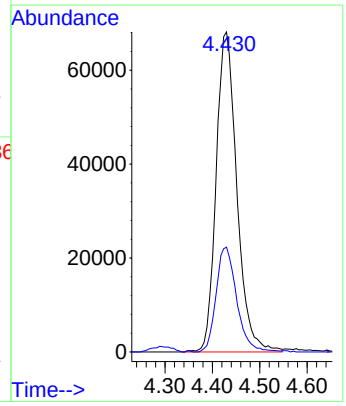


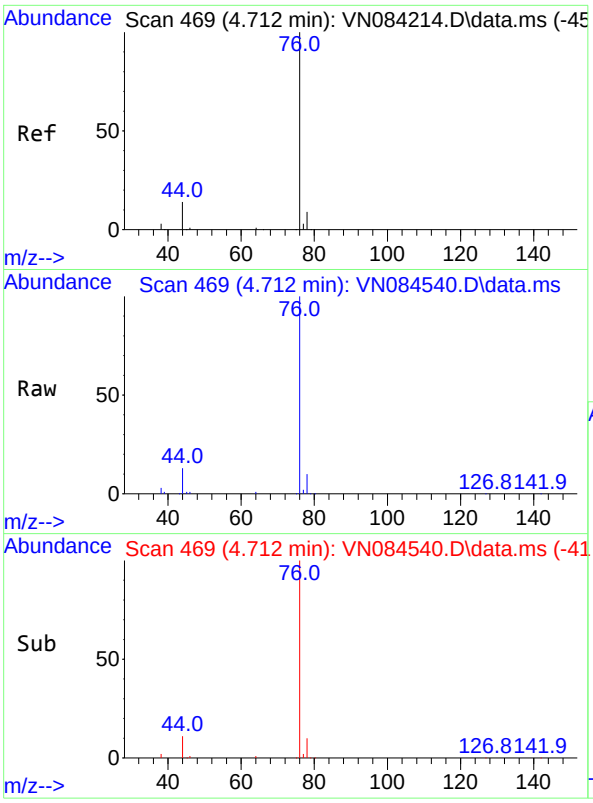


#16
Acetone
Concen: 203.746 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 206942

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.4	36.6



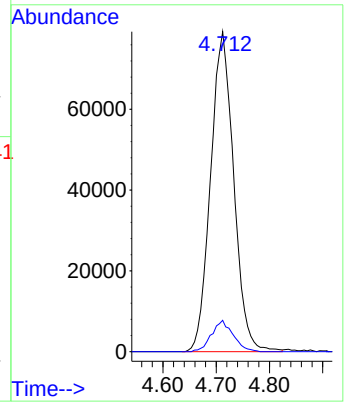


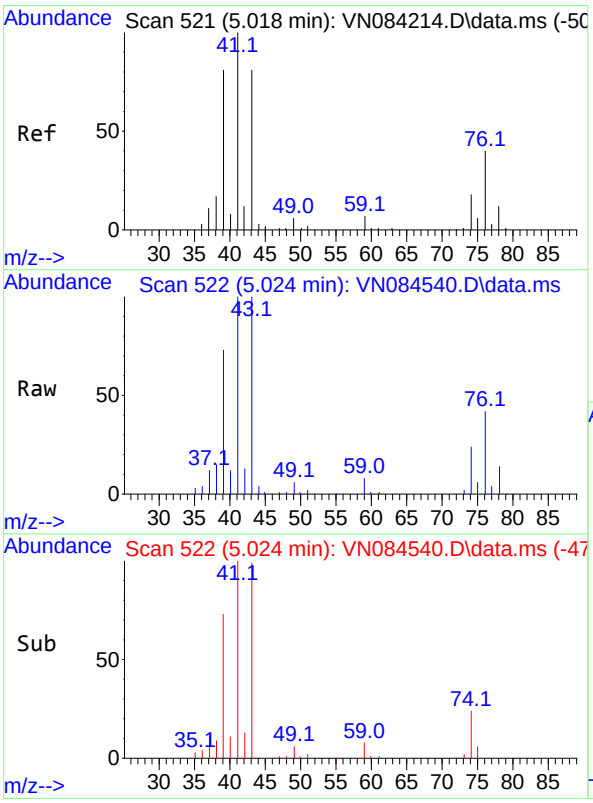
#17
Carbon Disulfide
Concen: 42.054 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 76 Resp: 239062

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

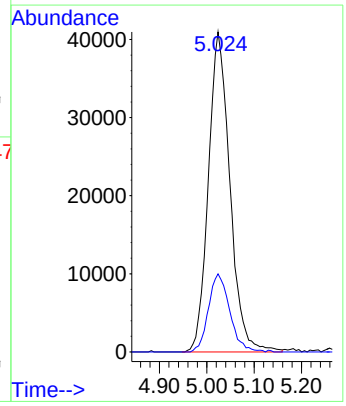


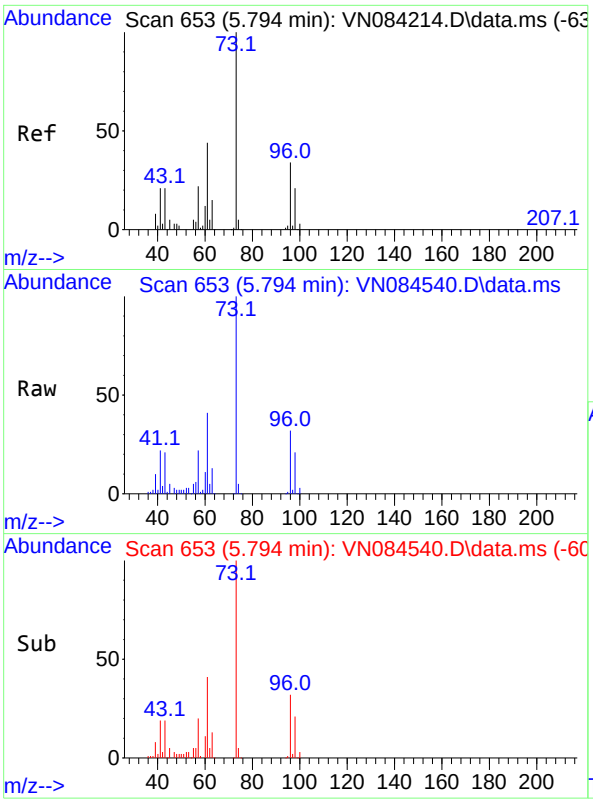


#18
Methyl Acetate
Concen: 58.478 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 129456

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8



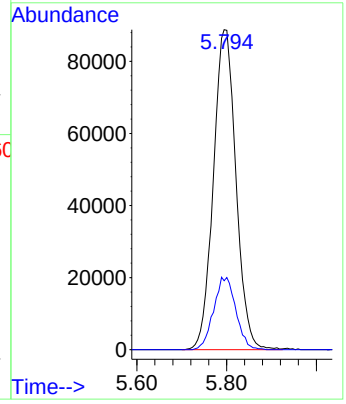


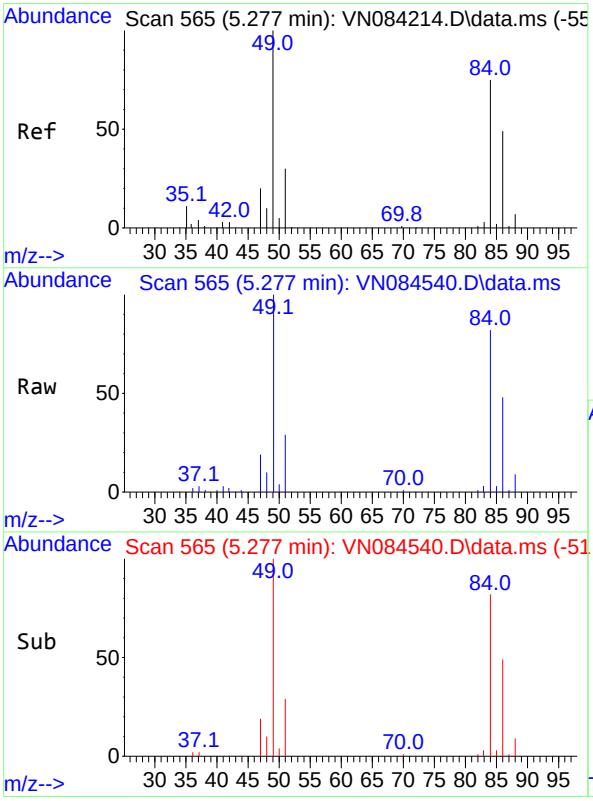
#19
Methyl tert-butyl Ether
Concen: 51.289 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 73 Resp: 310812

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

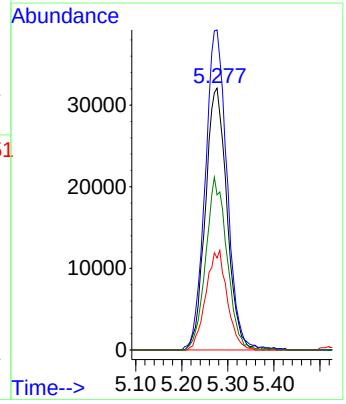


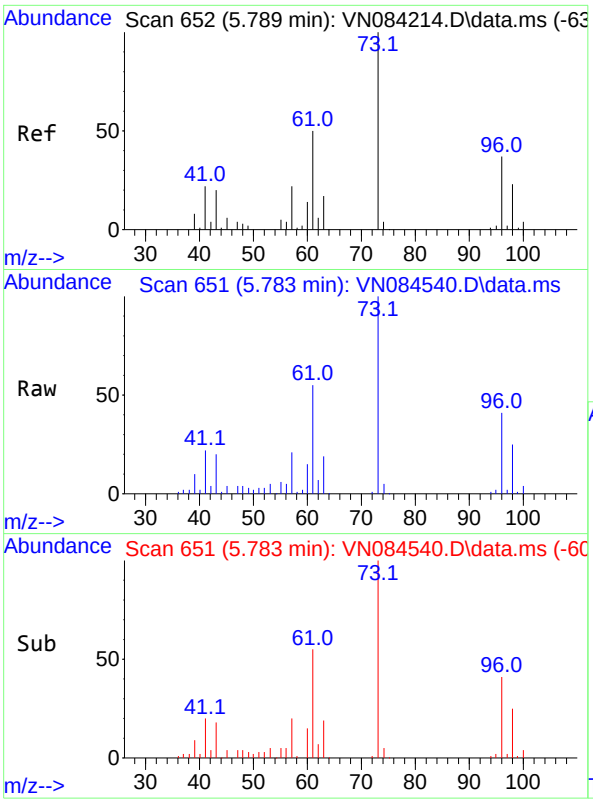


#20
Methylene Chloride
Concen: 50.799 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 84 Resp: 104884

Ion	Ratio	Lower	Upper
84	100		
49	122.3	107.2	160.8
51	35.1	31.8	47.8
86	59.2	52.9	79.3



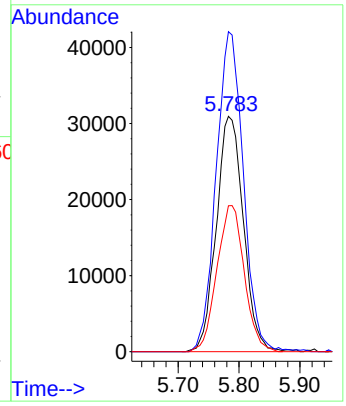


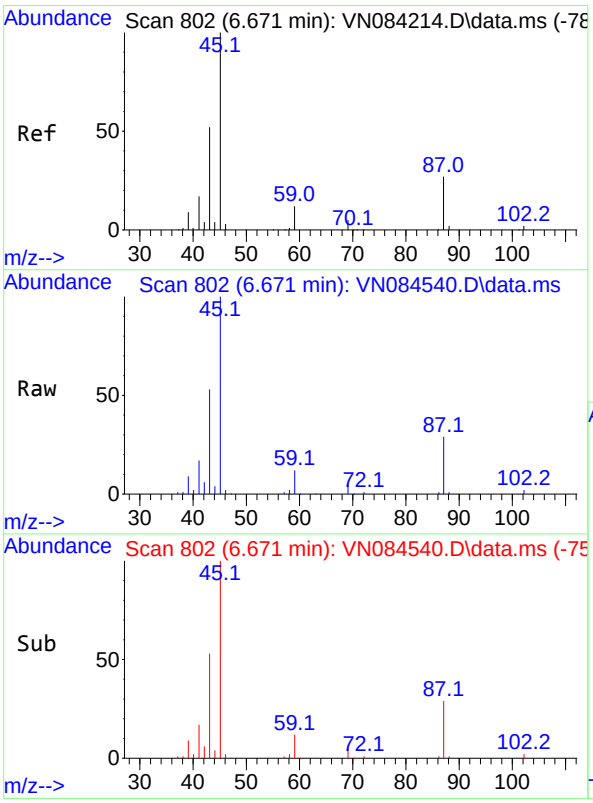
#21
trans-1,2-Dichloroethene
Concen: 50.825 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 96 Resp: 95606

Ion	Ratio	Lower	Upper
96	100		
61	136.0	108.4	162.6
98	62.0	49.8	74.8

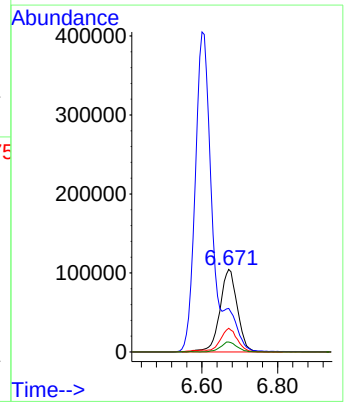


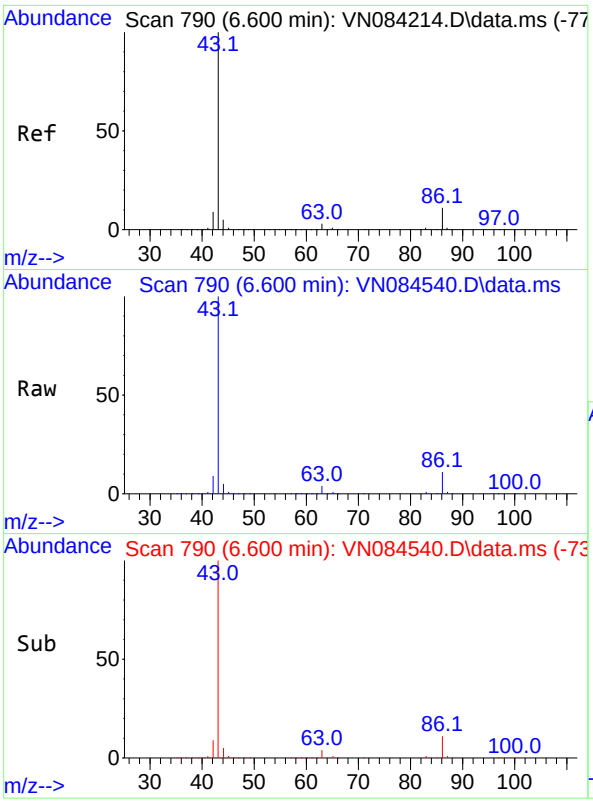


#22
Diisopropyl ether
Concen: 51.884 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 45 Resp: 334645

Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.3	63.5
87	28.6	21.8	32.6
59	12.1	9.6	14.4



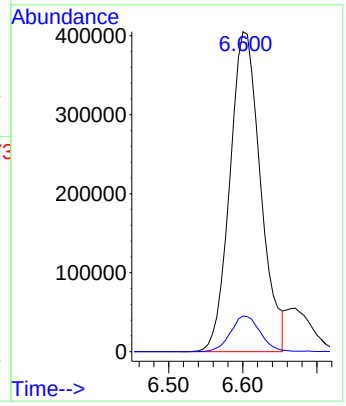


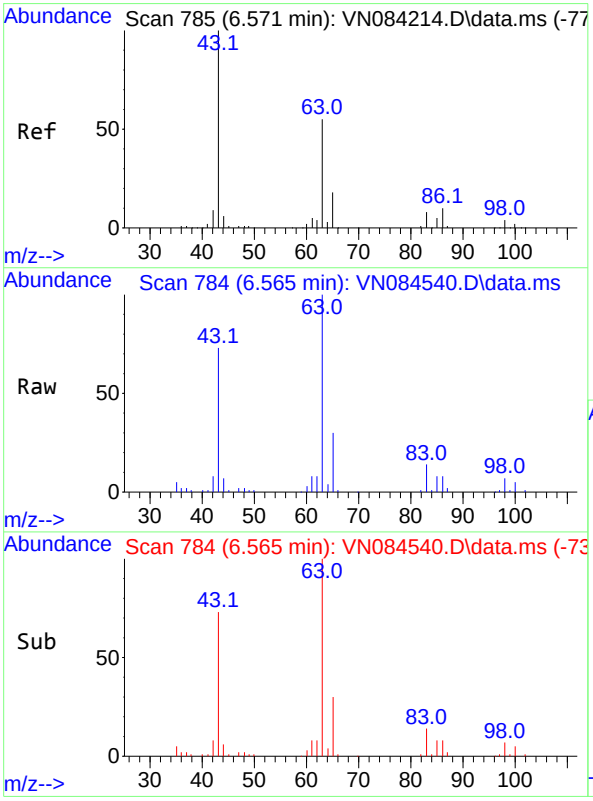
#23
Vinyl Acetate
Concen: 243.647 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 43 Resp: 1165582

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

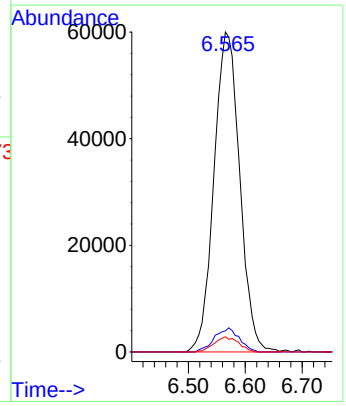


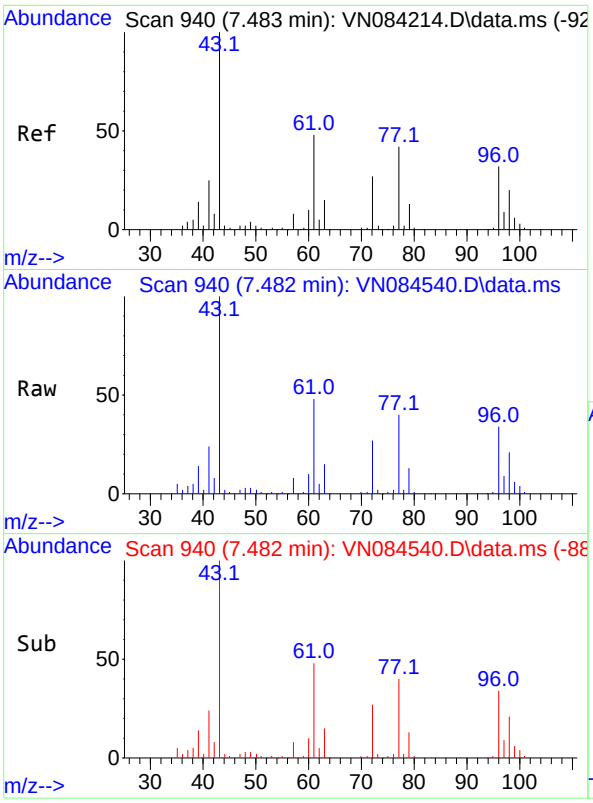


#24
1,1-Dichloroethane
Concen: 52.329 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 63 Resp: 188749

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.8	2.0	5.8



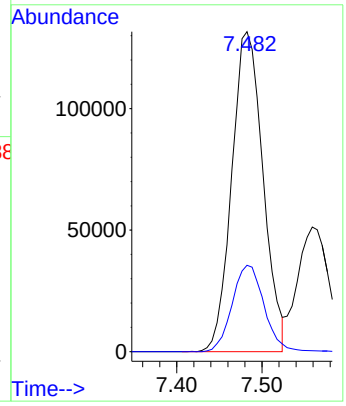


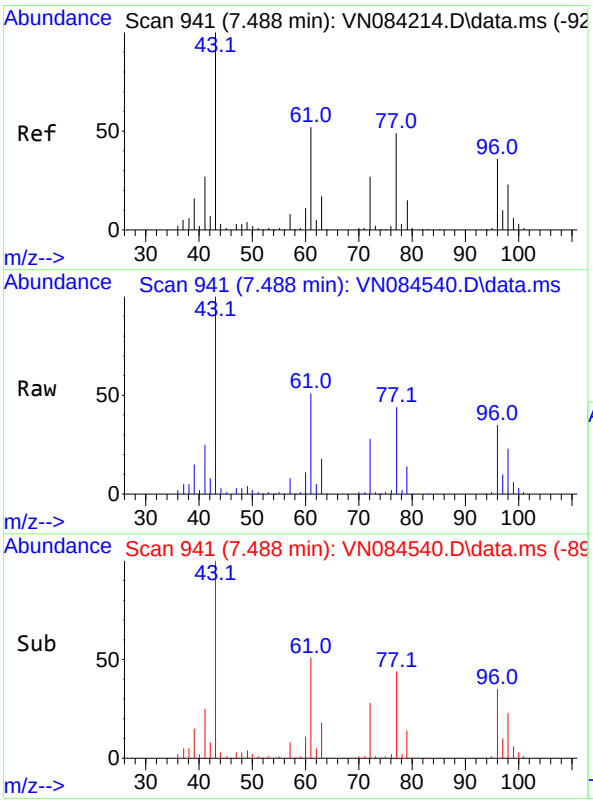
#25
2-Butanone
Concen: 242.797 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 43 Resp: 335882

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.2

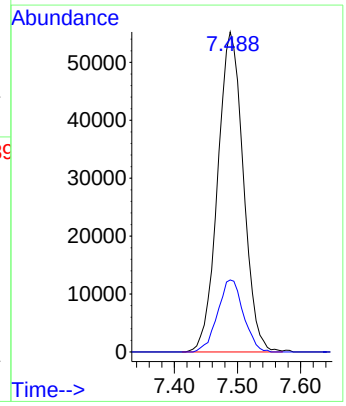


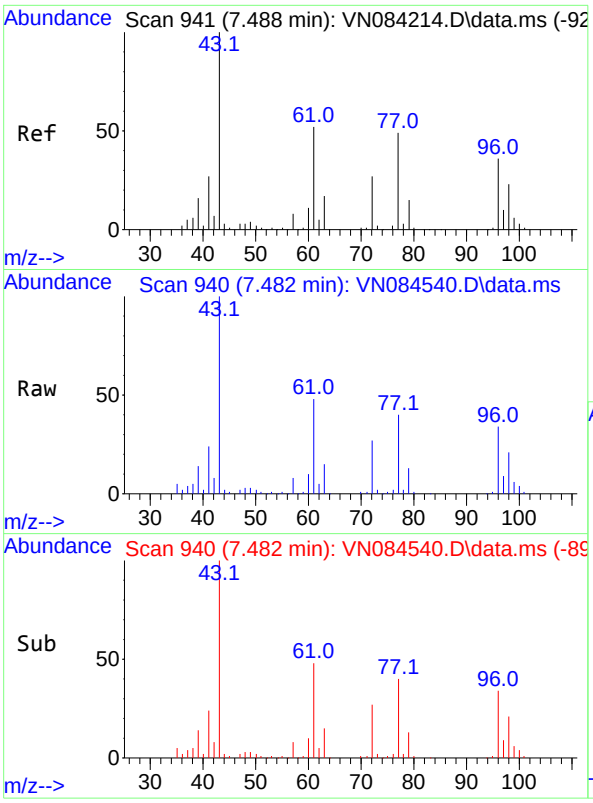


#26
2,2-Dichloropropane
Concen: 47.913 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 77 Resp: 155824

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3



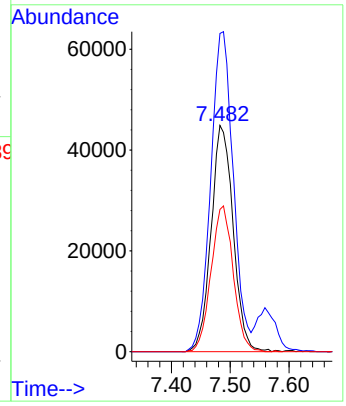


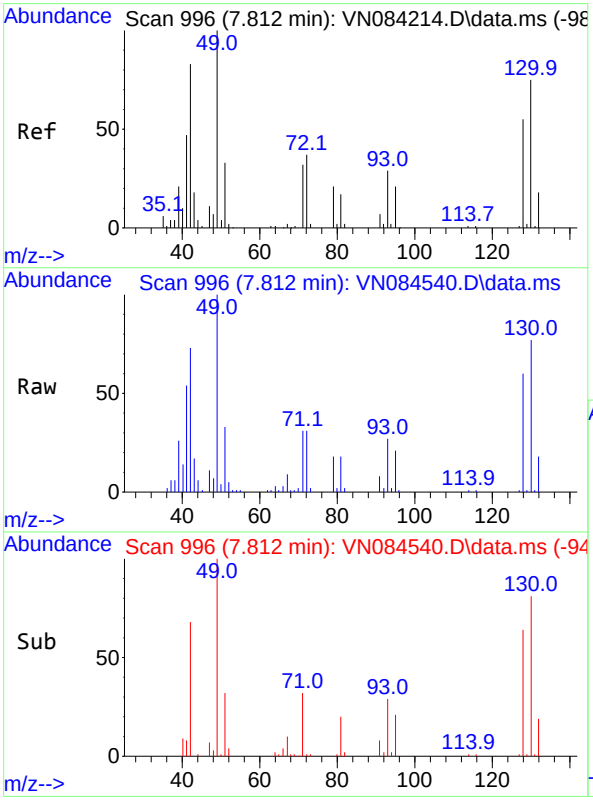
#27
cis-1,2-Dichloroethene
Concen: 51.488 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 96 Resp: 117036

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	301.8
98	64.6	0.0	128.2

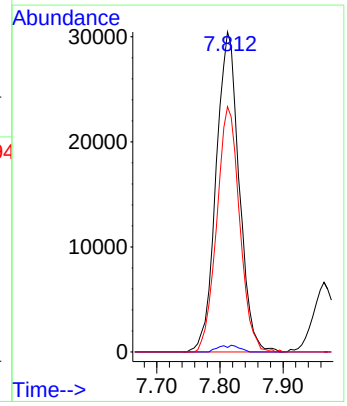


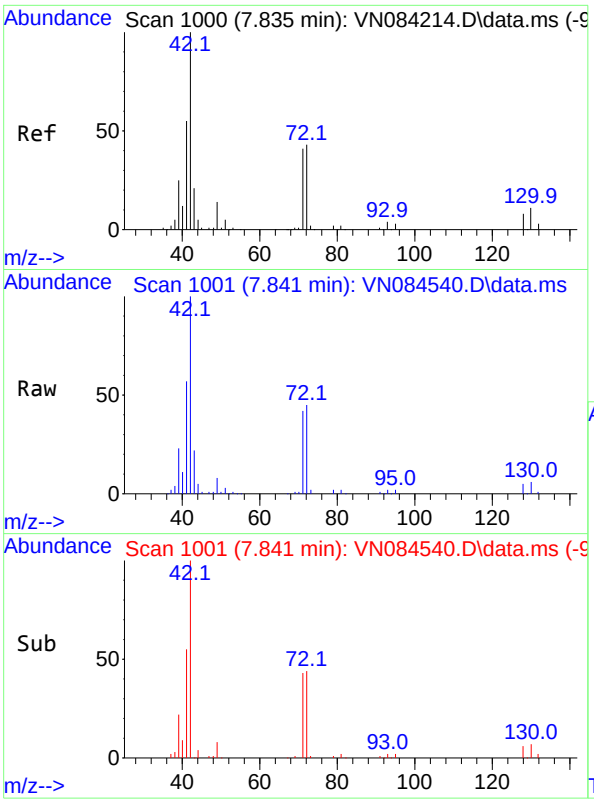


#28
Bromochloromethane
Concen: 48.015 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 49 Resp: 77273

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.6
130	75.9	58.0	87.0



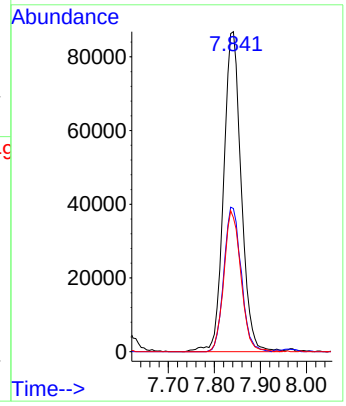


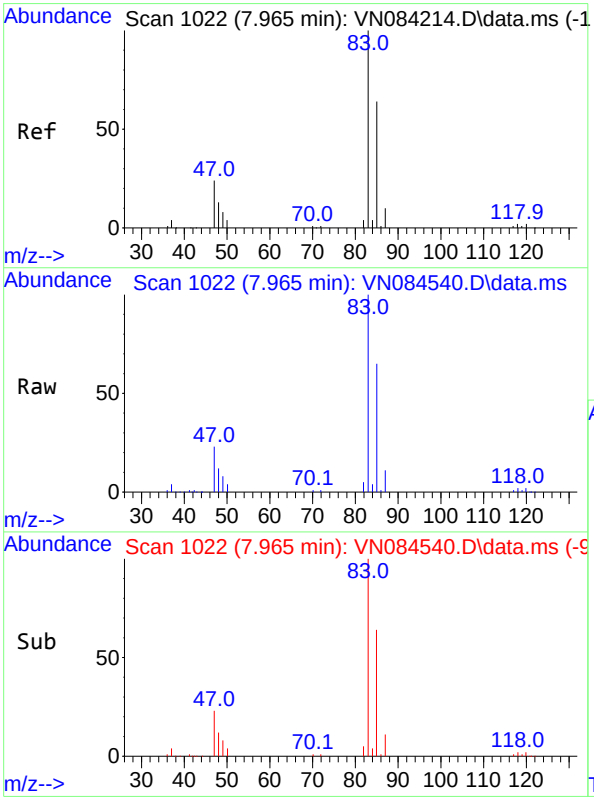
#29
Tetrahydrofuran
Concen: 268.364 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 42 Resp: 229105

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	42.5	32.2	48.4

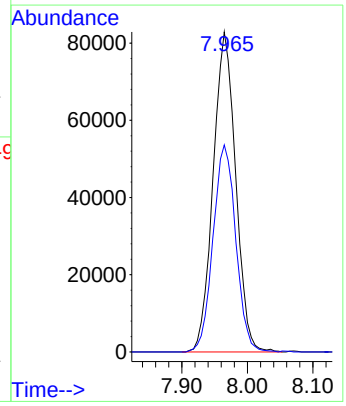


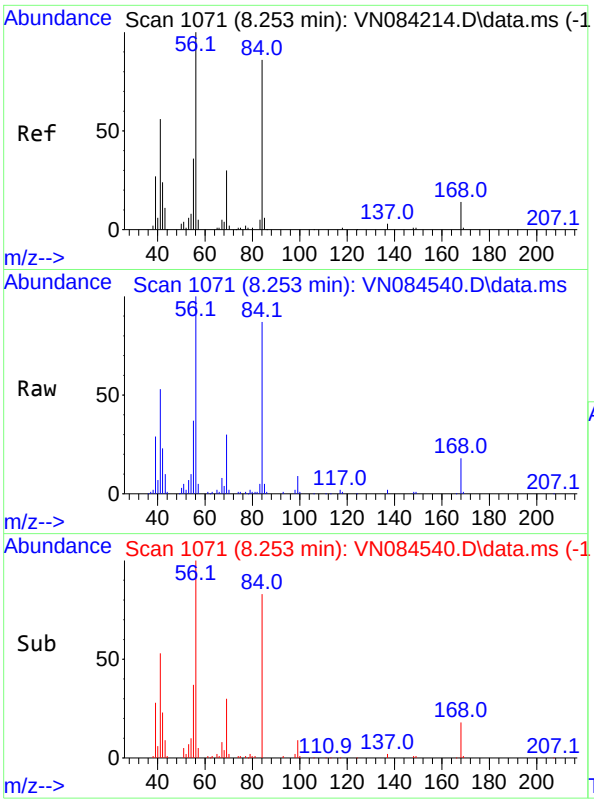


#30
Chloroform
Concen: 52.750 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 83 Resp: 197637

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4



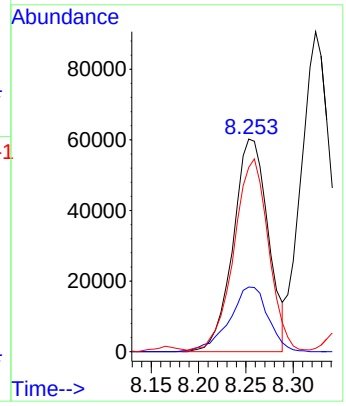


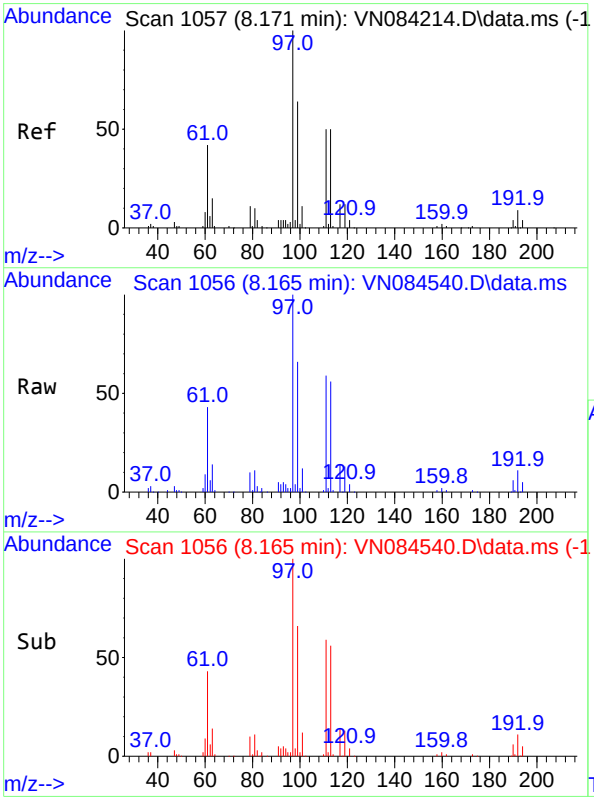
#31
Cyclohexane
Concen: 44.265 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 56 Resp: 155023

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	85.6	68.8	103.2

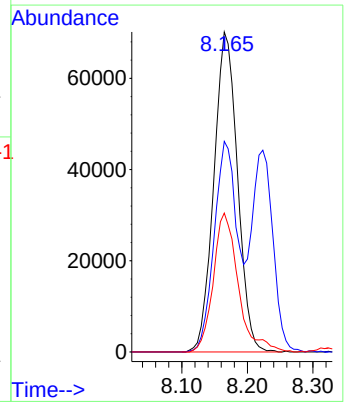


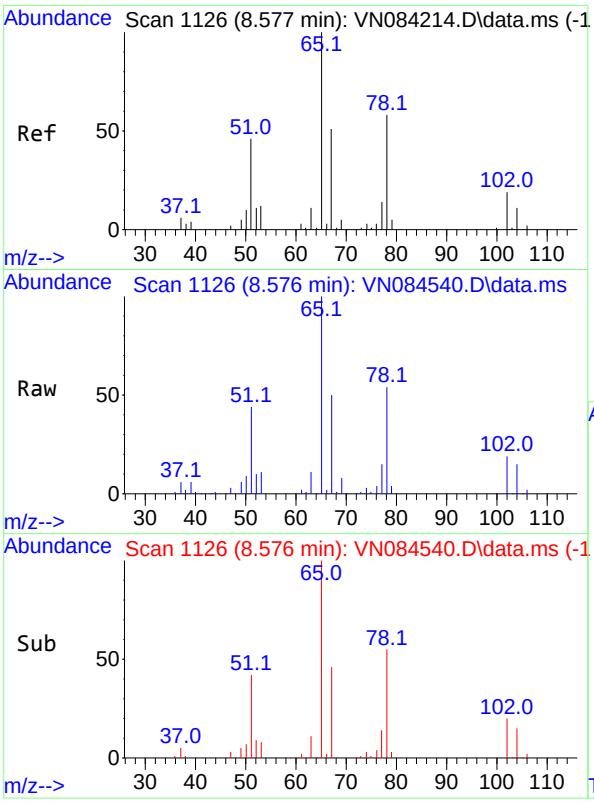


#32
1,1,1-Trichloroethane
Concen: 52.211 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 97 Resp: 175686

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	45.8	37.5	56.3



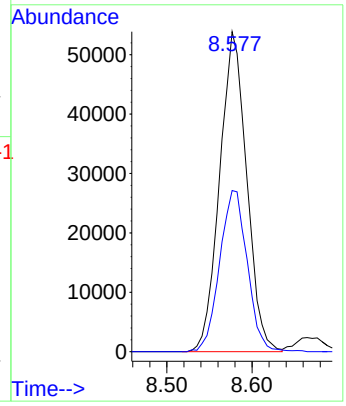


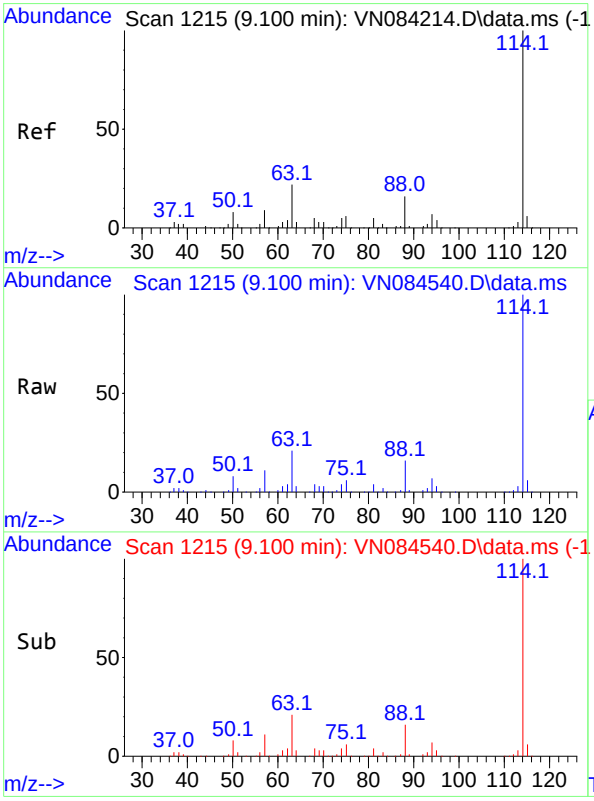
#33
1,2-Dichloroethane-d4
Concen: 50.159 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 65 Resp: 118596

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

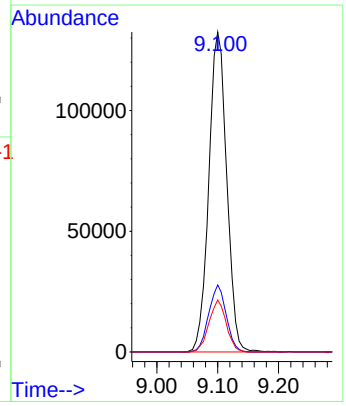


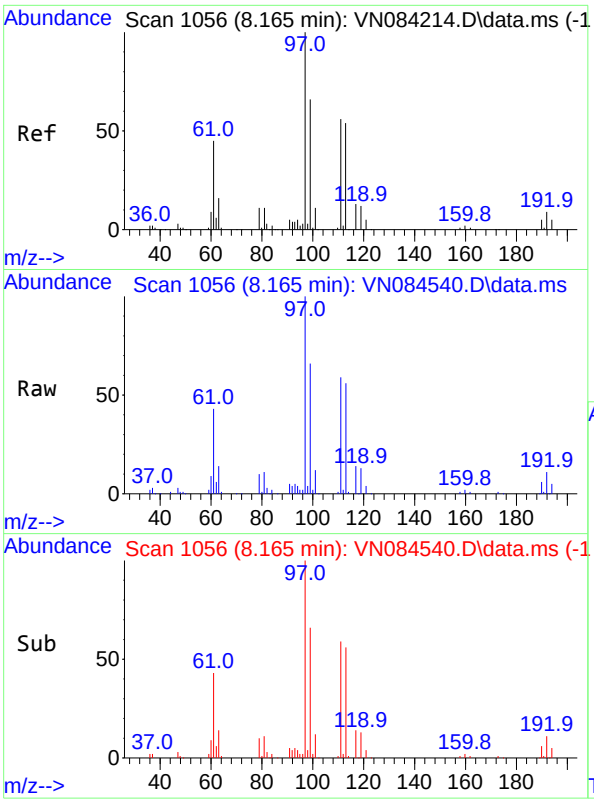


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:114 Resp: 270686

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.2	0.0	31.6



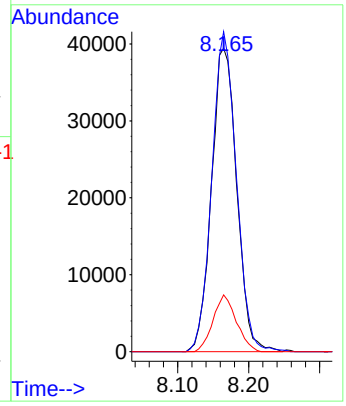


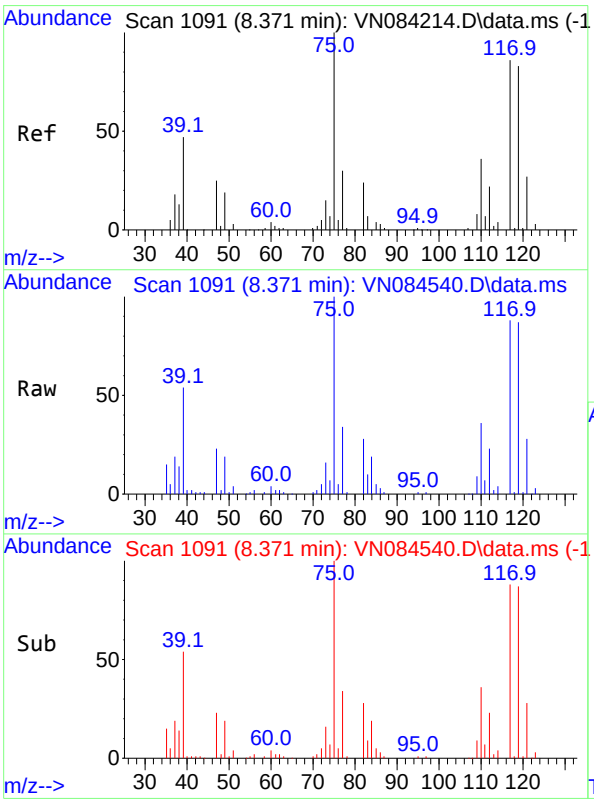
#35
Dibromofluoromethane
Concen: 54.575 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:113 Resp: 97391

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	17.3	13.5	20.3

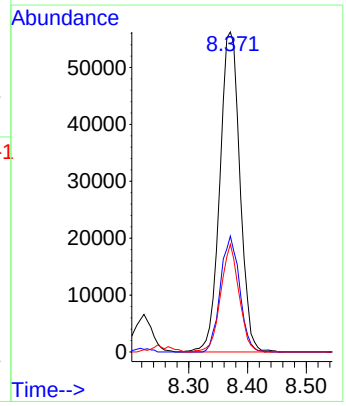


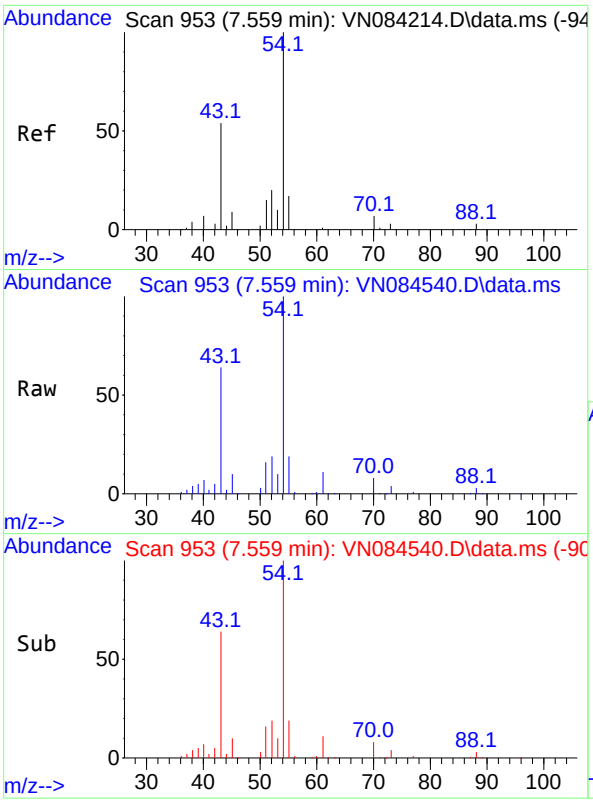


#36
1,1-Dichloropropene
Concen: 51.452 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 133369

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	30.7	24.7	37.1



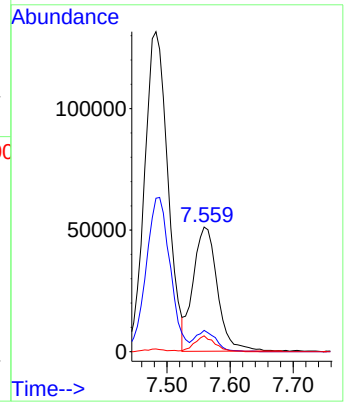


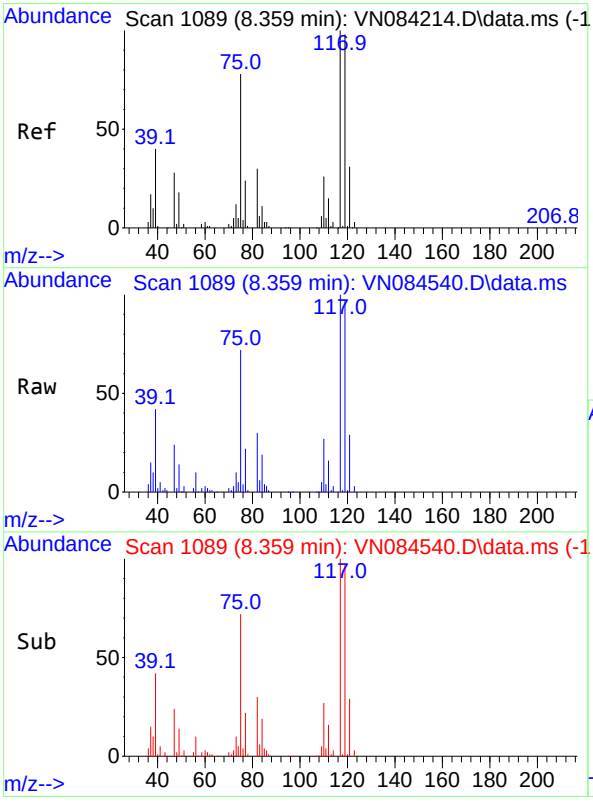
#37
Ethyl Acetate
Concen: 51.419 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 43 Resp: 136738

Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.7	16.1
70	10.7	8.8	13.2

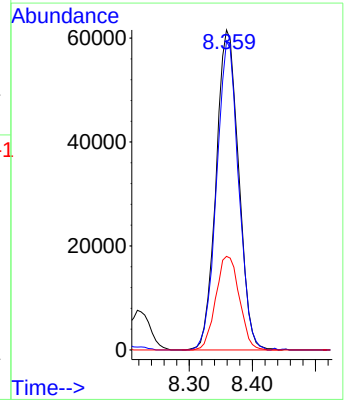


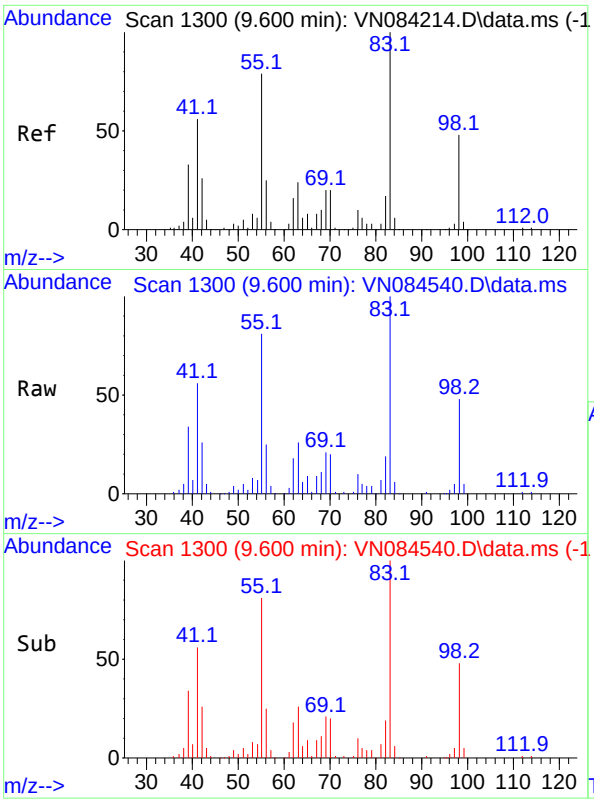


#38
Carbon Tetrachloride
Concen: 53.570 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:117 Resp: 152321

Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.7	118.1
121	29.2	24.4	36.6



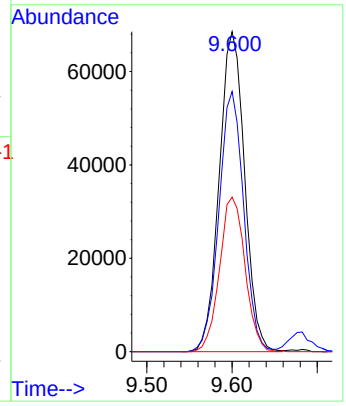


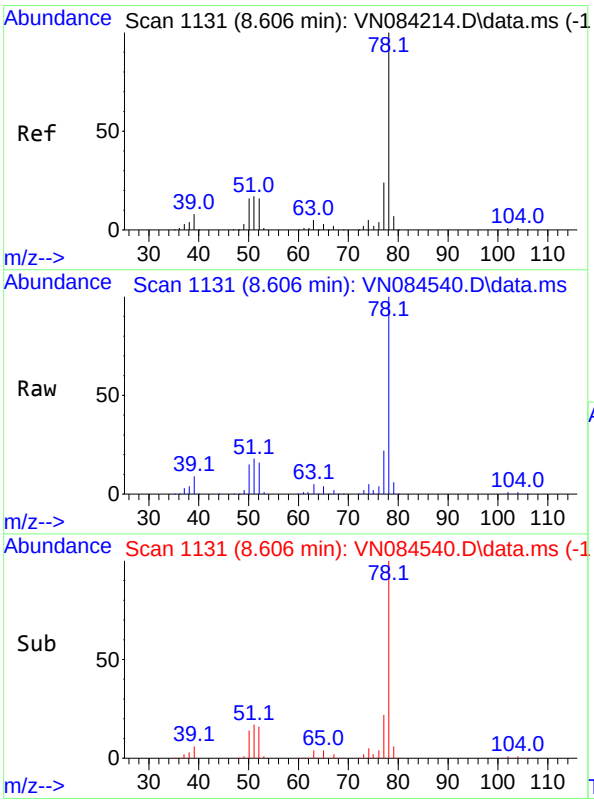
#39
Methylcyclohexane
Concen: 49.176 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 83 Resp: 141869

Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.8	94.2
98	48.3	38.8	58.2

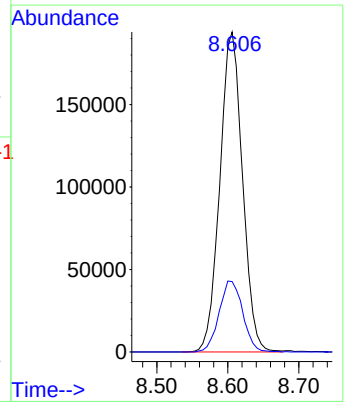


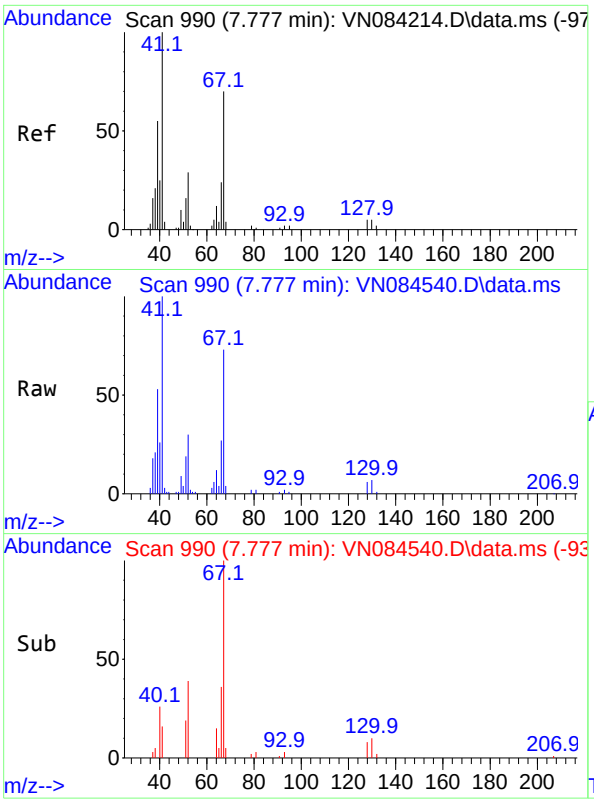


#40
Benzene
Concen: 53.064 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 78 Resp: 428549

Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.1	28.7



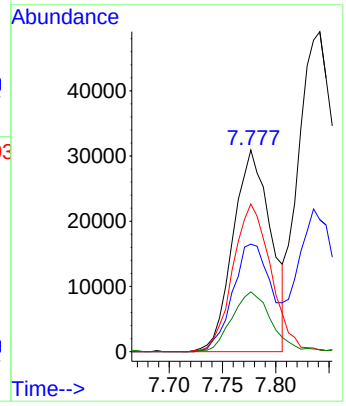


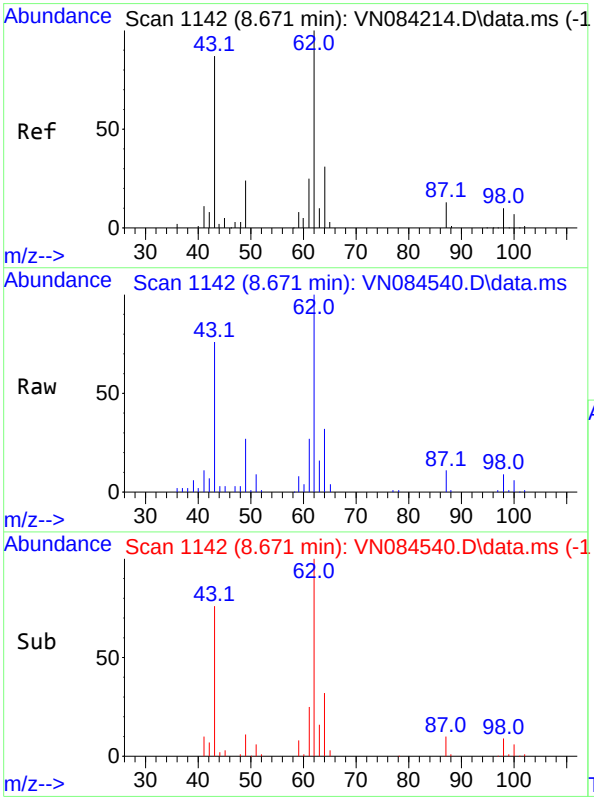
#41
Methacrylonitrile
Concen: 53.052 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 41 Resp: 76591

Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.3	64.9
67	73.6	56.1	84.1
52	31.2	24.5	36.7

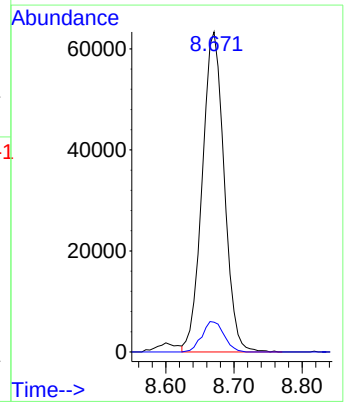


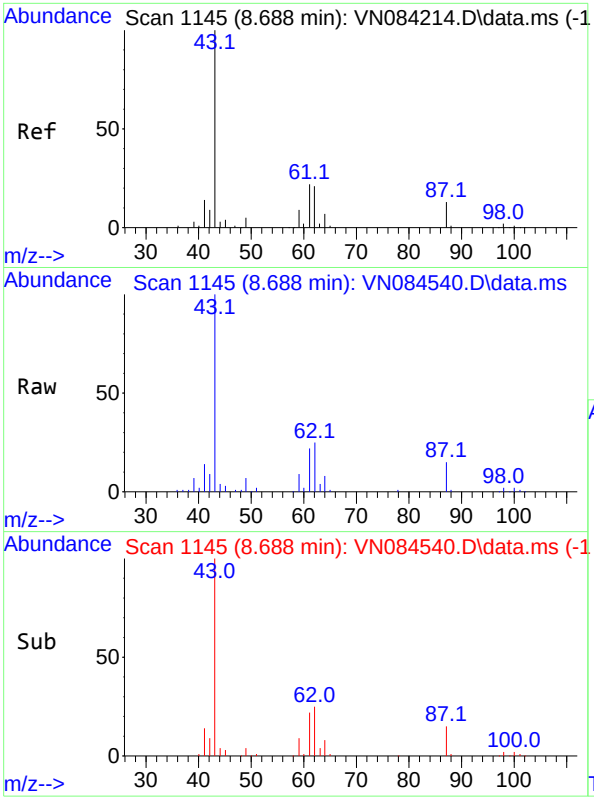


#42
1,2-Dichloroethane
Concen: 51.759 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 62 Resp: 141711

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



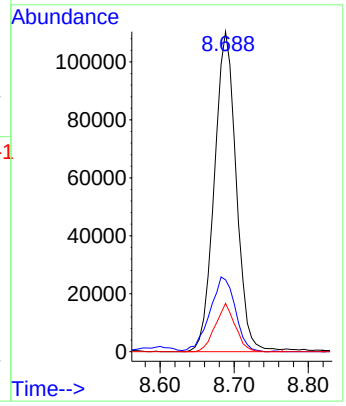


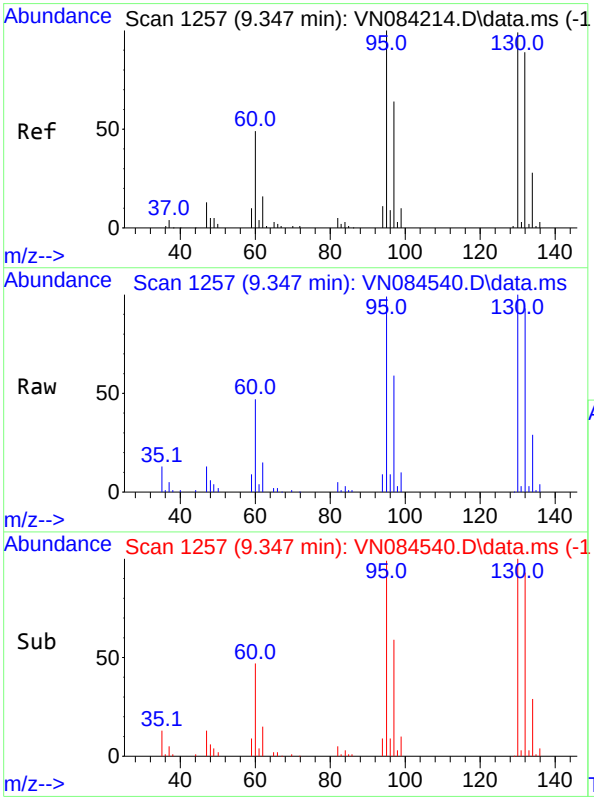
#43
Isopropyl Acetate
Concen: 43.464 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 43 Resp: 226393

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.7	10.3	15.5

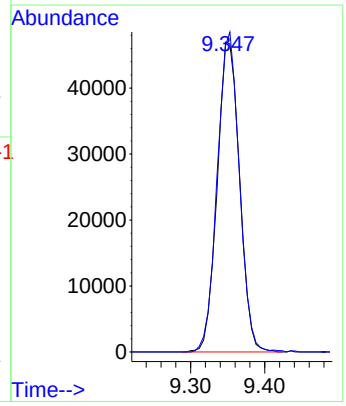


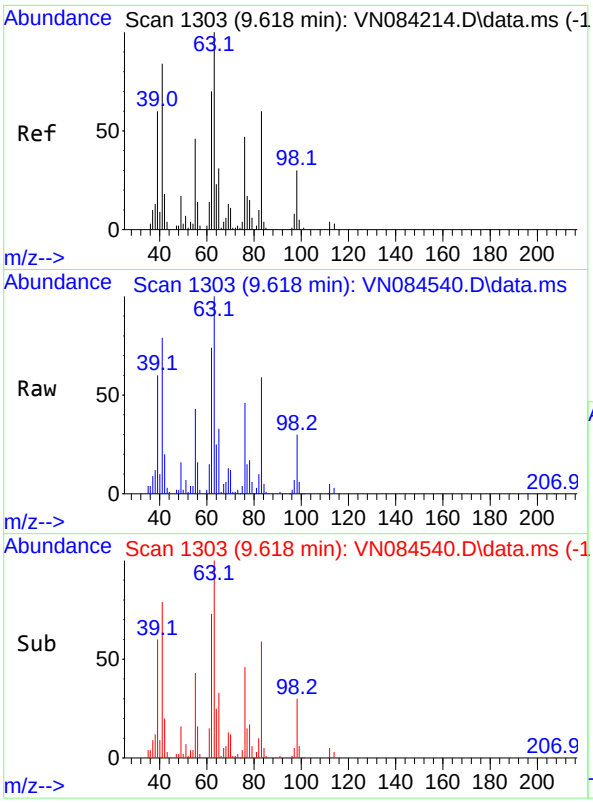


#44
Trichloroethene
Concen: 52.277 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:130 Resp: 98607

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	203.0



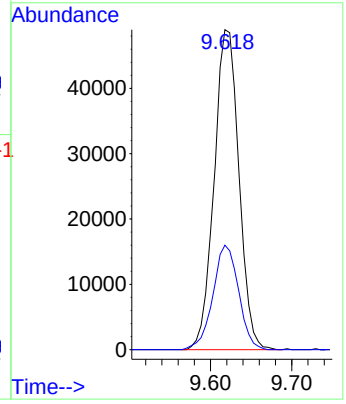


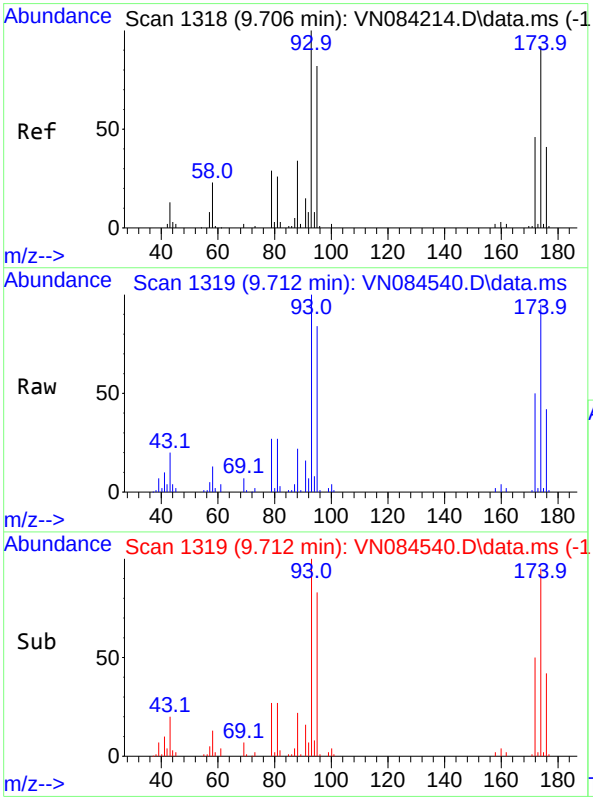
#45
1,2-Dichloropropane
Concen: 54.355 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 63 Resp: 103844

Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.6	37.0

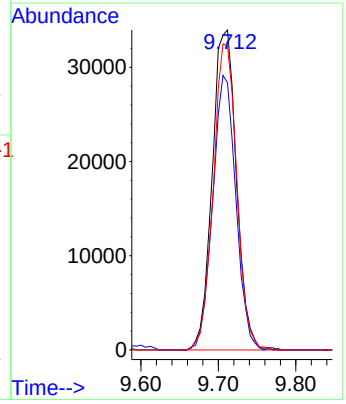


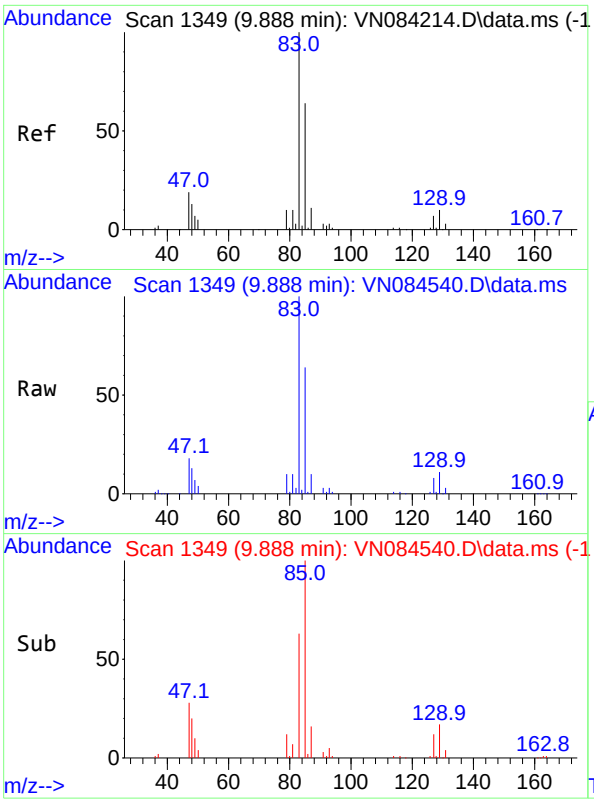


#46
Dibromomethane
Concen: 57.031 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 93 Resp: 73528

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.4
174	92.9	71.8	107.8



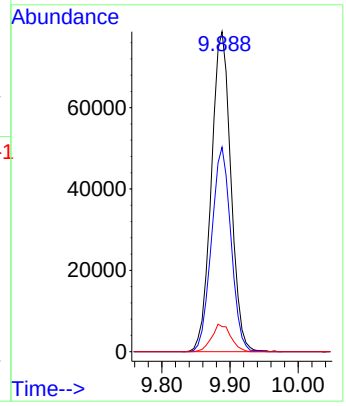


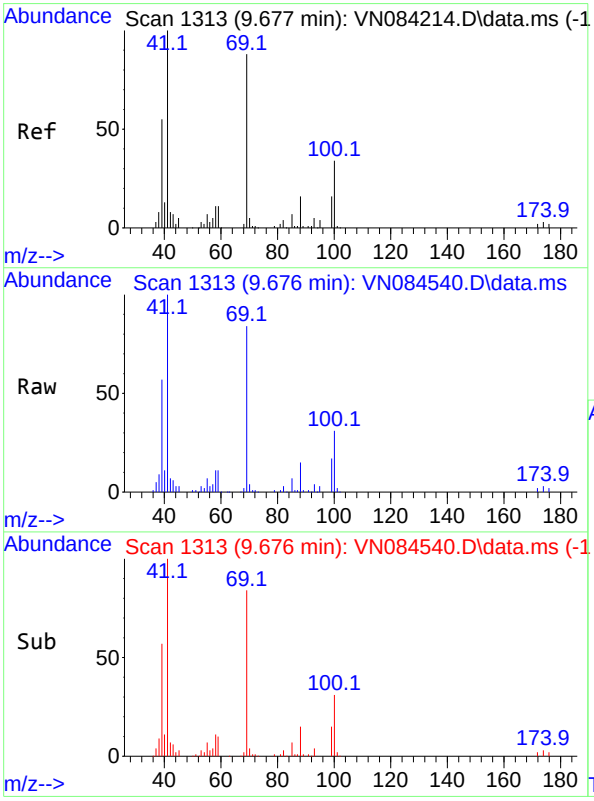
#47
Bromodichloromethane
Concen: 54.624 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 83 Resp: 156464

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	7.8	5.7	8.5

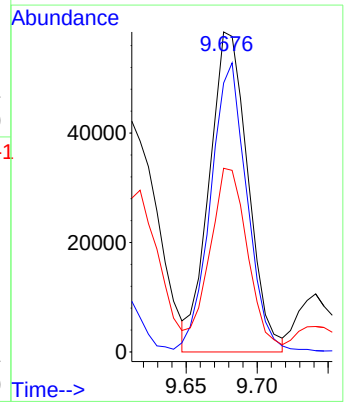


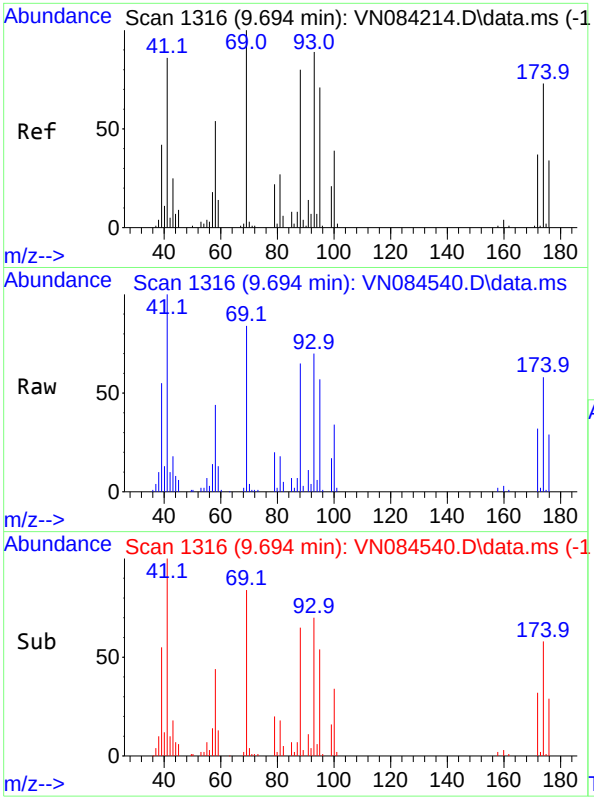


#48
Methyl methacrylate
Concen: 53.396 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 41 Resp: 110713

Ion	Ratio	Lower	Upper
41	100		
69	85.5	67.1	100.7
39	57.1	45.8	68.6



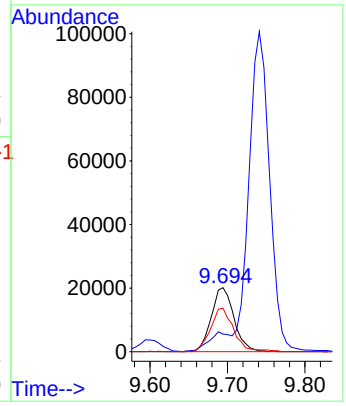


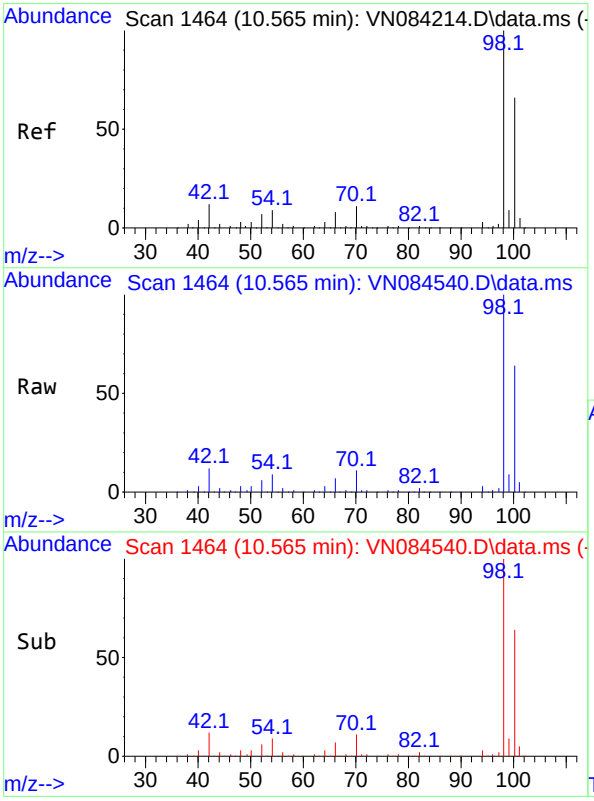
#49
1,4-Dioxane
Concen: 1071.873 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 88 Resp: 40916

Ion	Ratio	Lower	Upper
88	100		
43	30.4	25.3	37.9
58	69.8	56.4	84.6

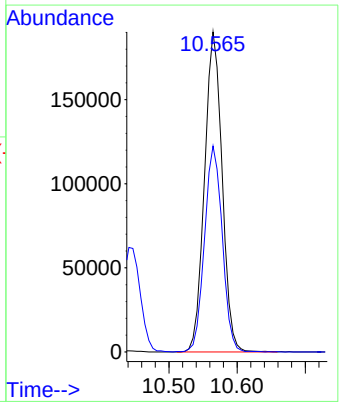


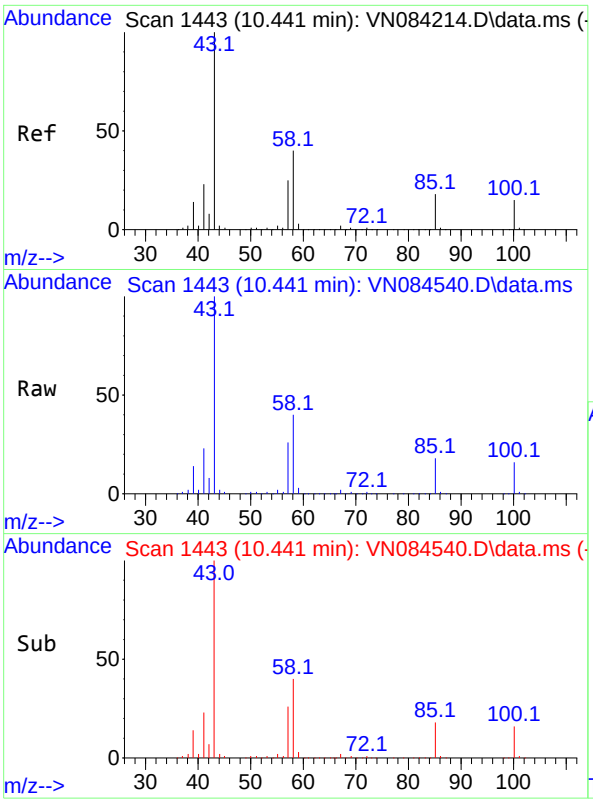


#50
Toluene-d8
Concen: 52.084 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 98 Resp: 341956

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1



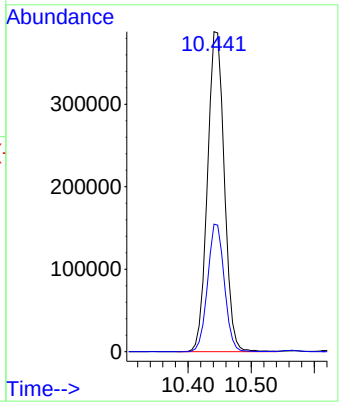


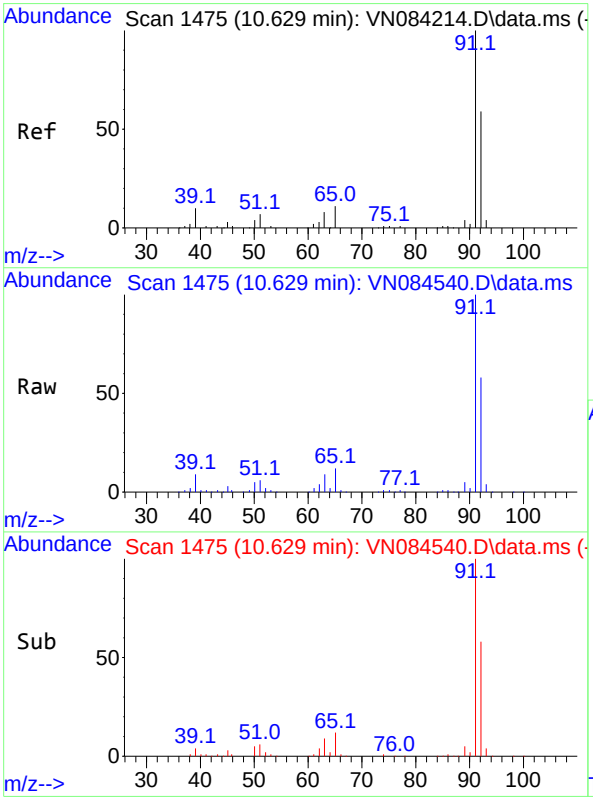
#51
4-Methyl-2-Pentanone
Concen: 284.107 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 43 Resp: 719221

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

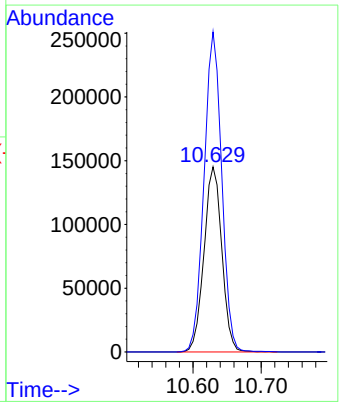


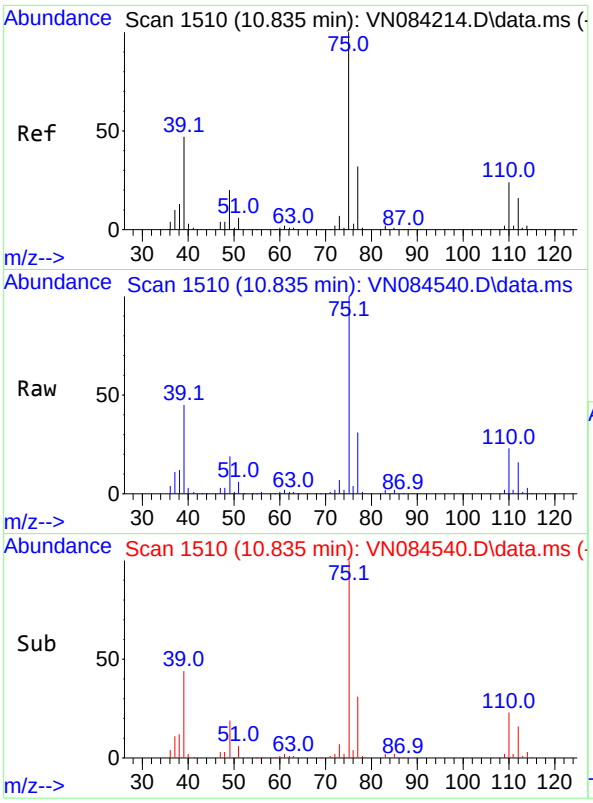


#52
Toluene
Concen: 53.679 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 92 Resp: 264357

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.3	205.9



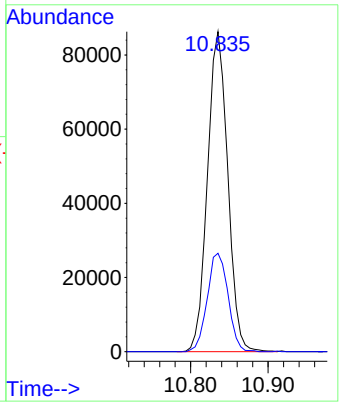


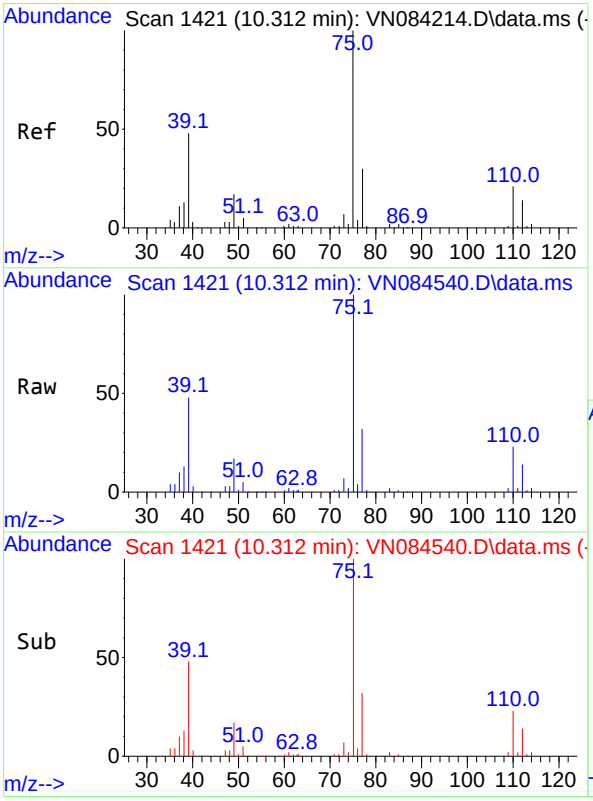
#53
t-1,3-Dichloropropene
Concen: 53.739 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 75 Resp: 156908

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0

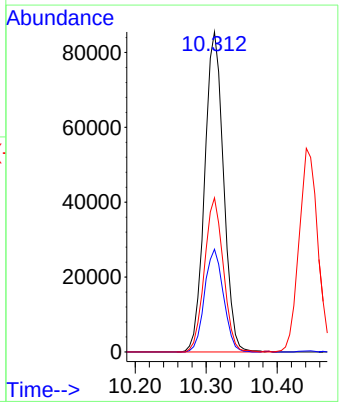


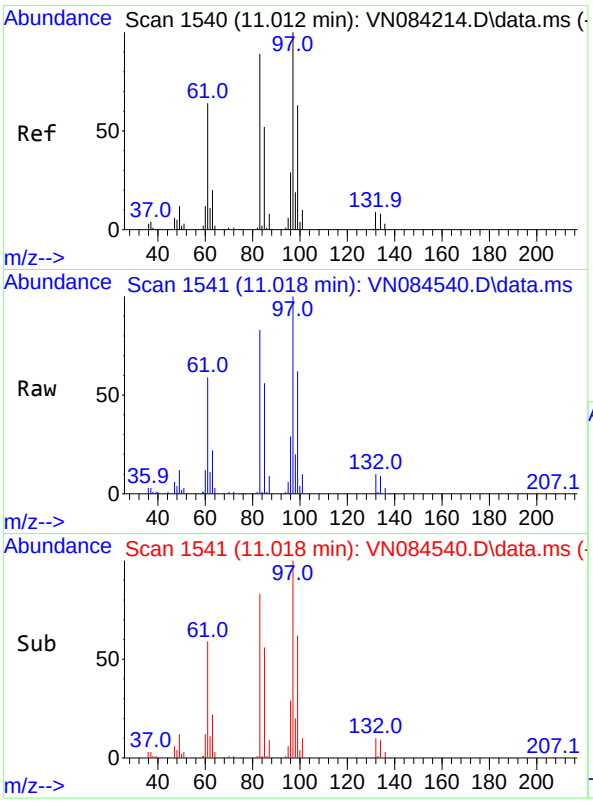


#54
cis-1,3-Dichloropropene
Concen: 50.248 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 157808

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.2	36.2
39	48.1	38.7	58.1



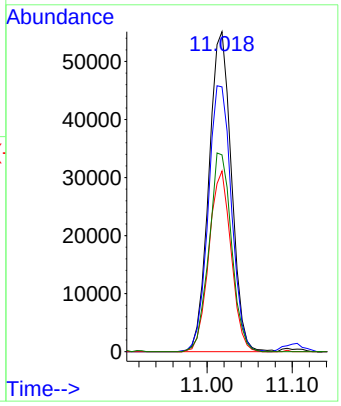


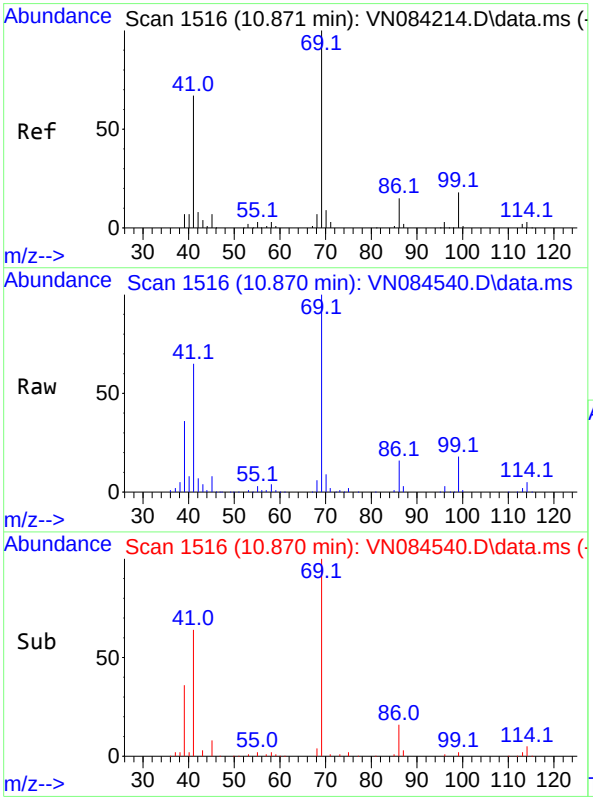
#55
1,1,2-Trichloroethane
Concen: 57.332 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 97 Resp: 101219

Ion	Ratio	Lower	Upper
97	100		
83	82.8	71.0	106.4
85	56.5	41.7	62.5
99	61.5	50.1	75.1

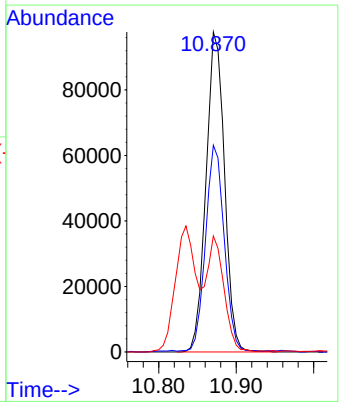


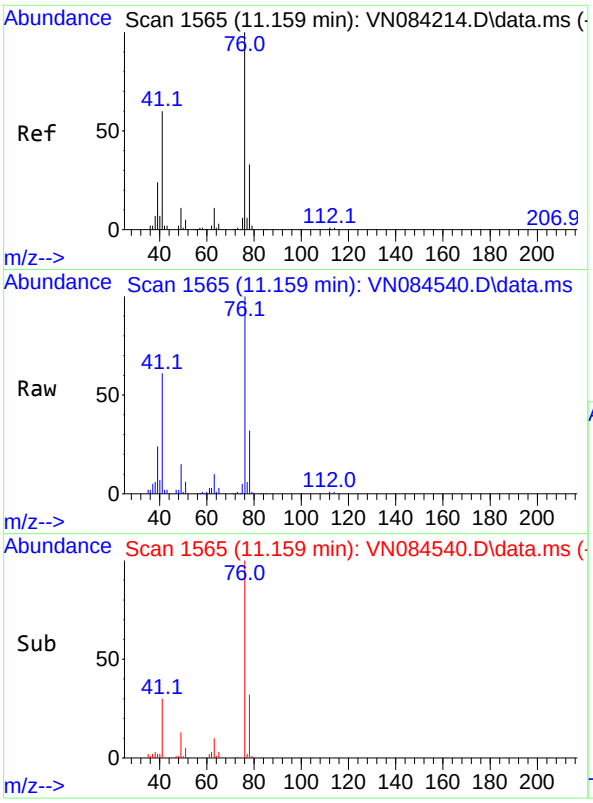


#56
Ethyl methacrylate
Concen: 55.699 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 69 Resp: 161808

Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.3	79.9
39	34.3	28.8	43.2



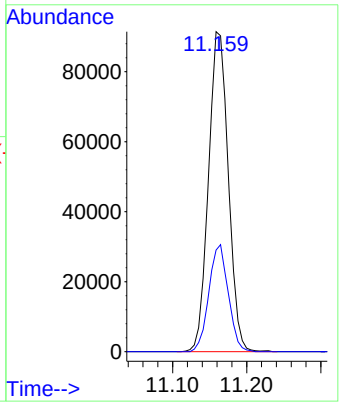


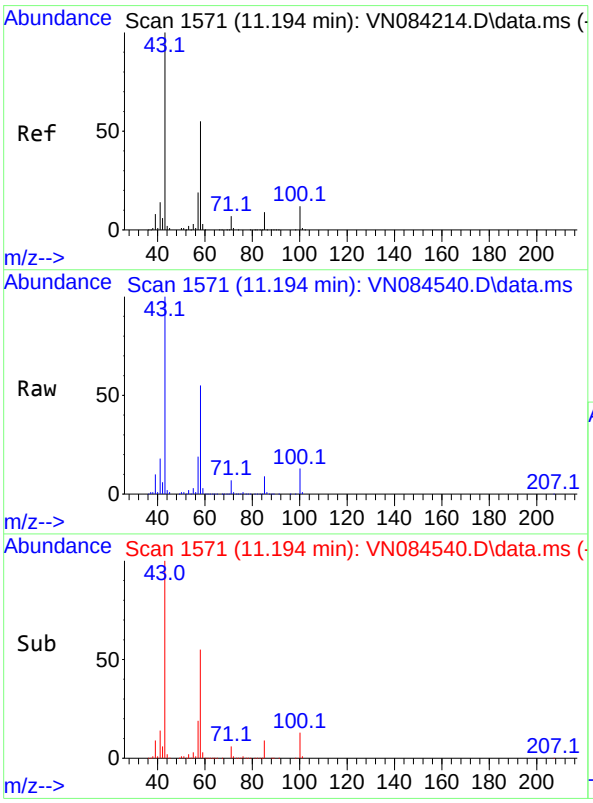
#57
1,3-Dichloropropane
Concen: 53.842 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 76 Resp: 169857

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

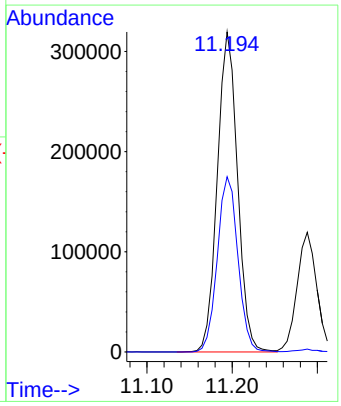


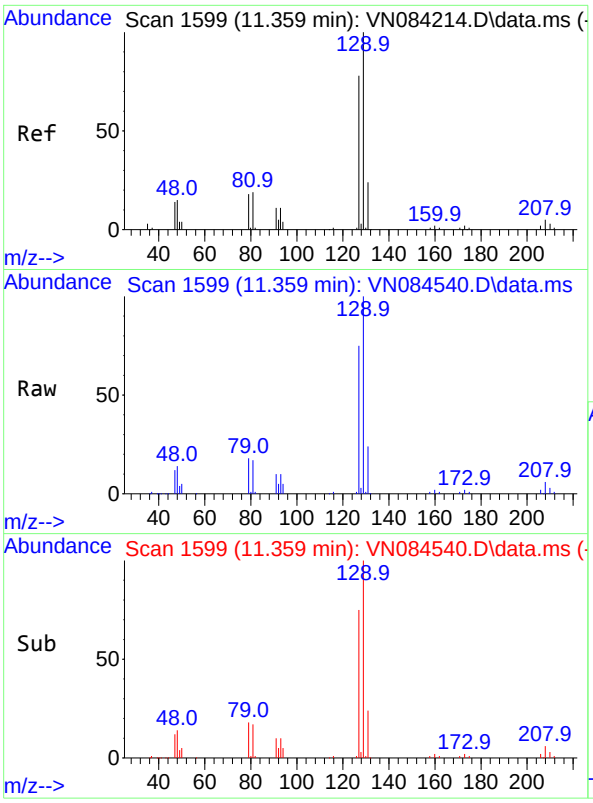


#59
2-Hexanone
Concen: 278.829 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 43 Resp: 527568

Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.3	81.8



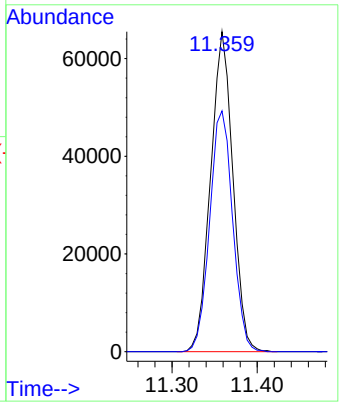


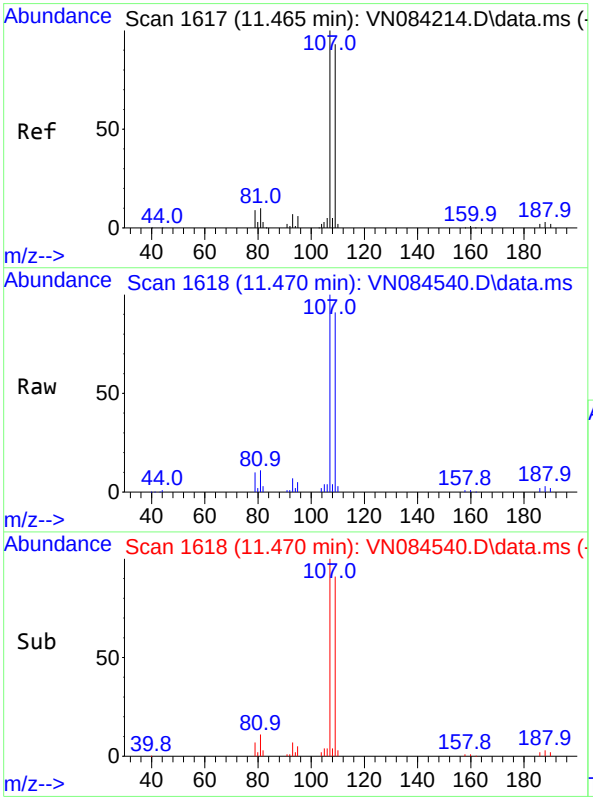
#60
Dibromochloromethane
Concen: 56.943 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:129 Resp: 118782

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9

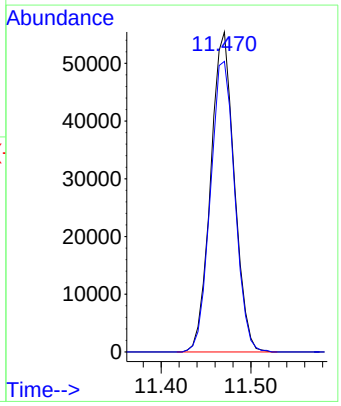


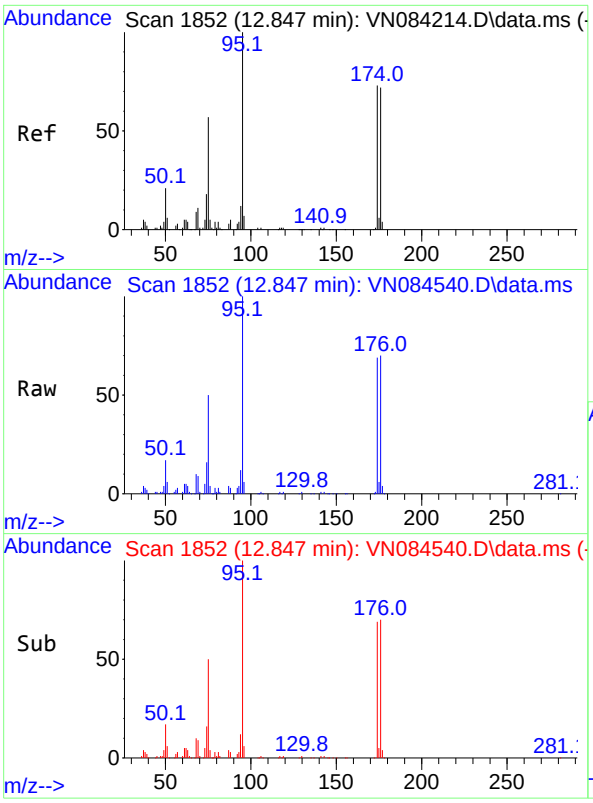


#61
1,2-Dibromoethane
Concen: 55.209 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:107 Resp: 101282

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.0



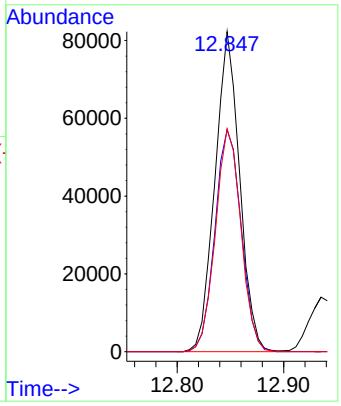


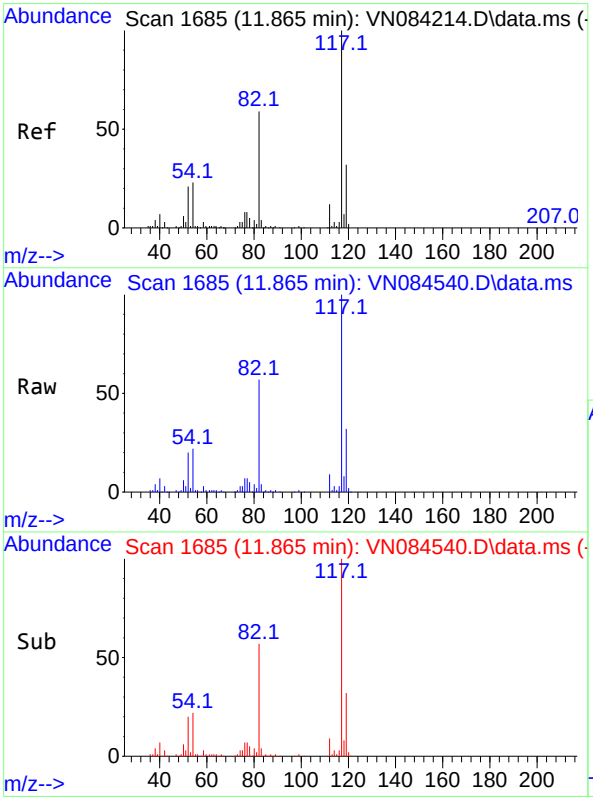
#62
4-Bromofluorobenzene
Concen: 55.320 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 95 Resp: 132319

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	145.2
176	71.8	0.0	140.0

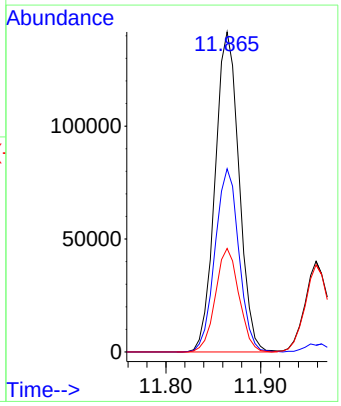


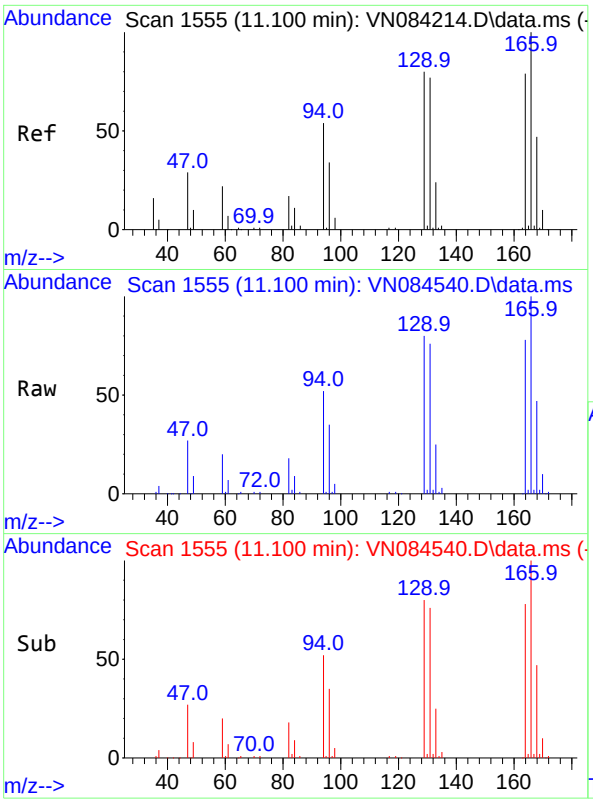


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:117 Resp: 249070

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.3	25.4	38.0



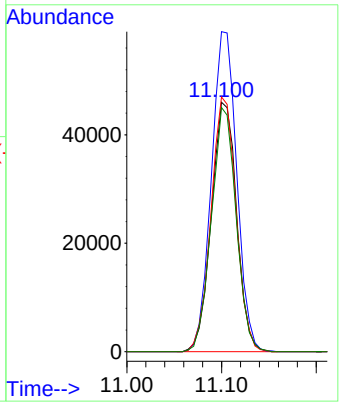


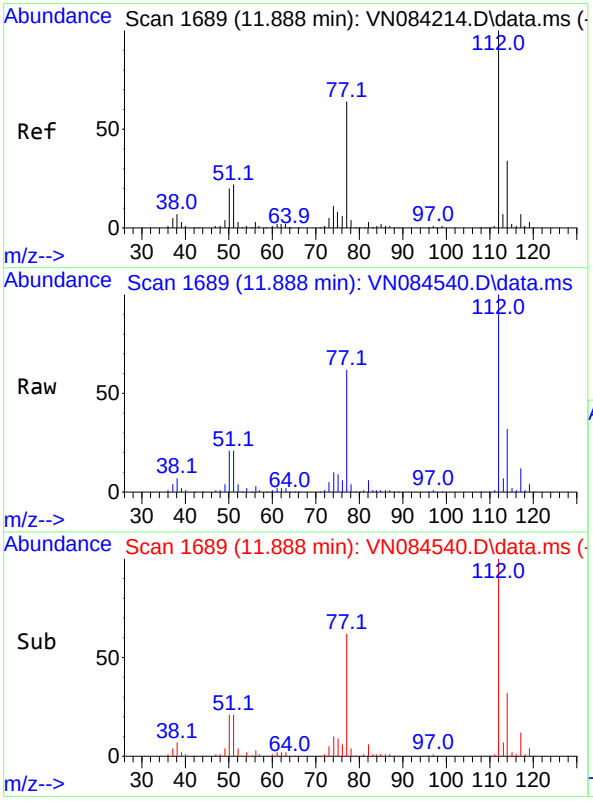
#64
Tetrachloroethene
Concen: 49.051 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:164 Resp: 85094

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.0	151.4
129	102.1	80.8	121.2
131	97.9	78.1	117.1

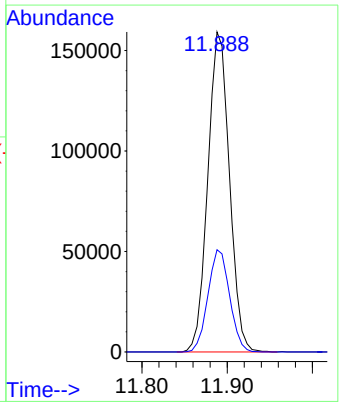


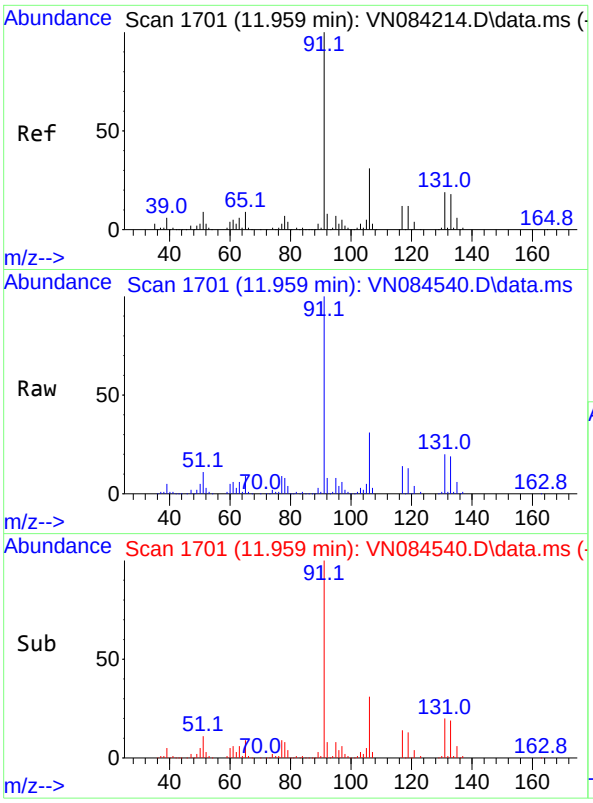


#65
Chlorobenzene
Concen: 50.776 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:112 Resp: 280407

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



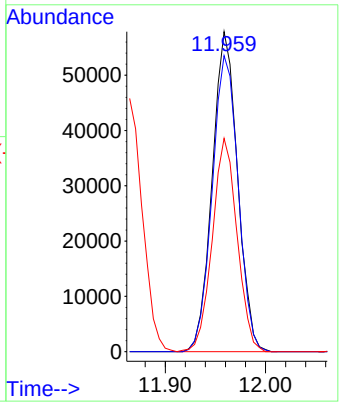


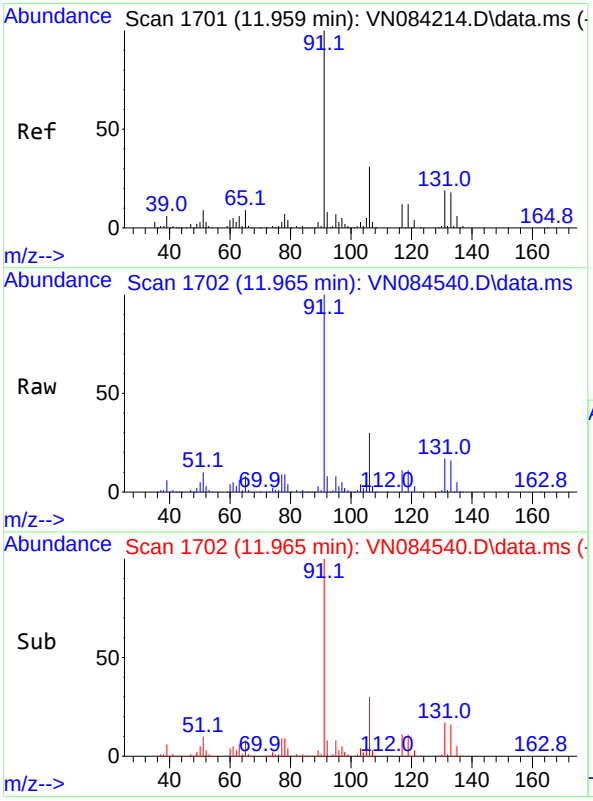
#66
1,1,1,2-Tetrachloroethane
Concen: 53.253 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:131 Resp: 101295

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.7
119	65.2	32.8	98.3

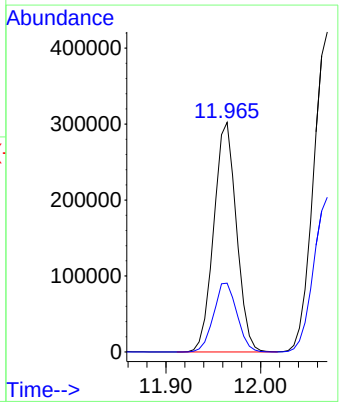


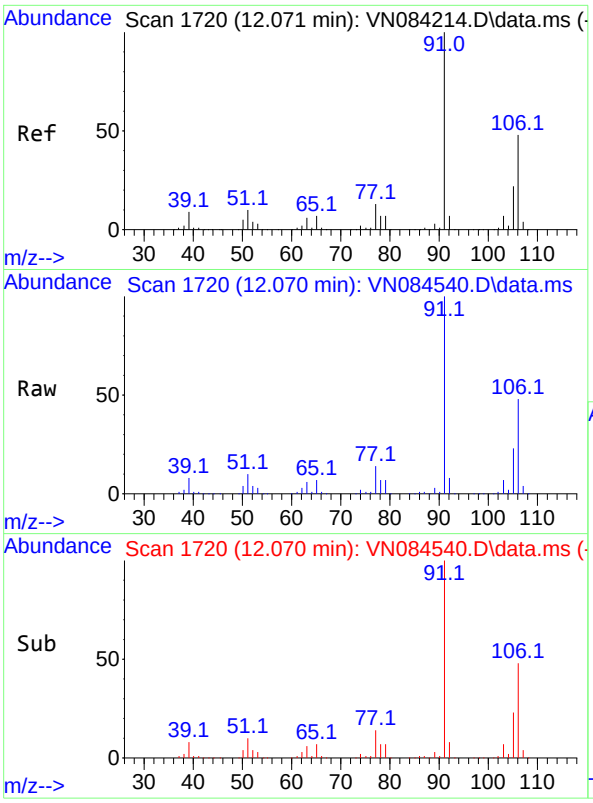


#67
Ethyl Benzene
Concen: 51.455 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 502523

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7



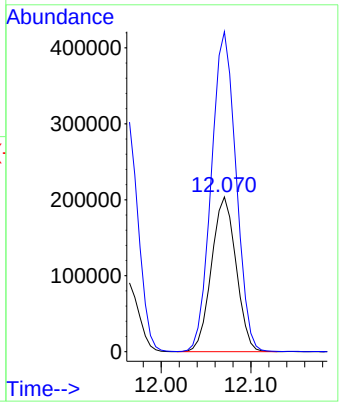


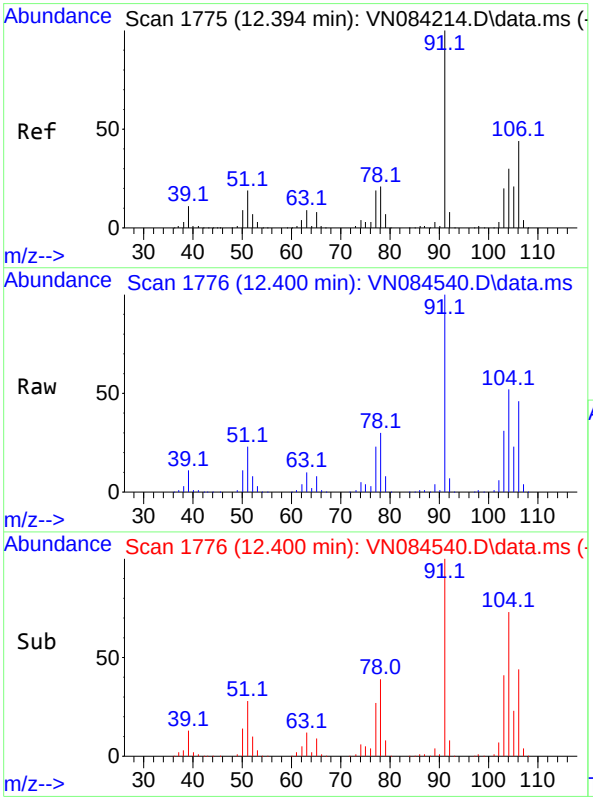
#68
m/p-Xylenes
Concen: 107.192 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:106 Resp: 387245

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.1	250.7

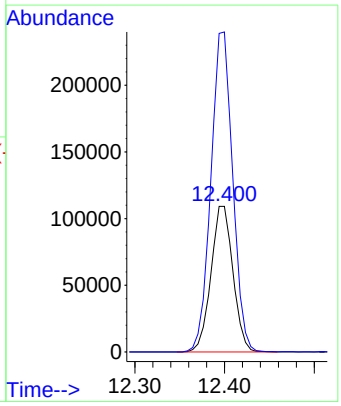


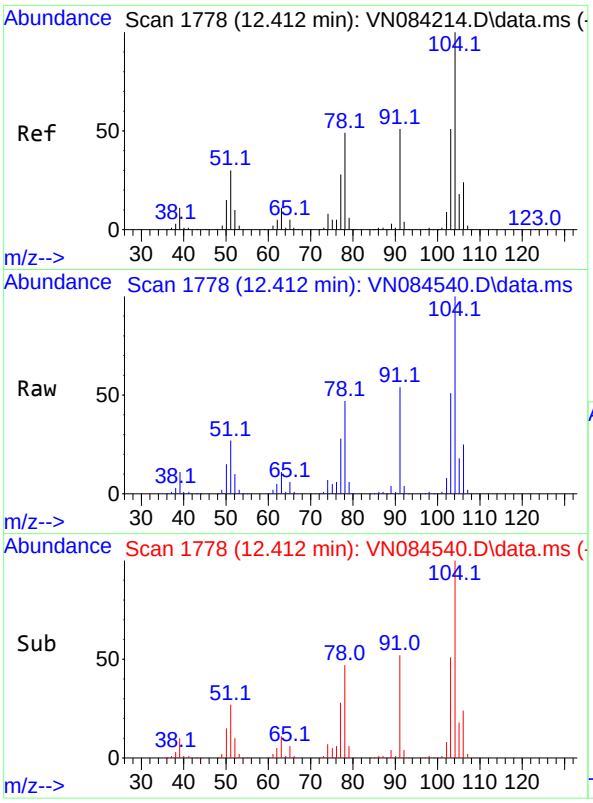


#69
o-Xylene
Concen: 54.346 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:106 Resp: 185754

Ion	Ratio	Lower	Upper
106	100		
91	217.9	110.2	330.6



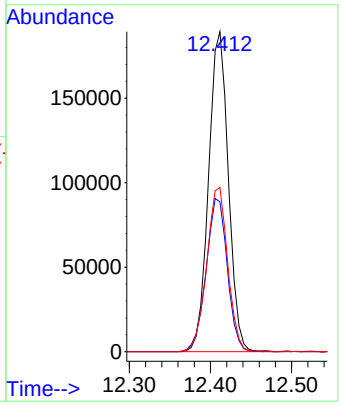


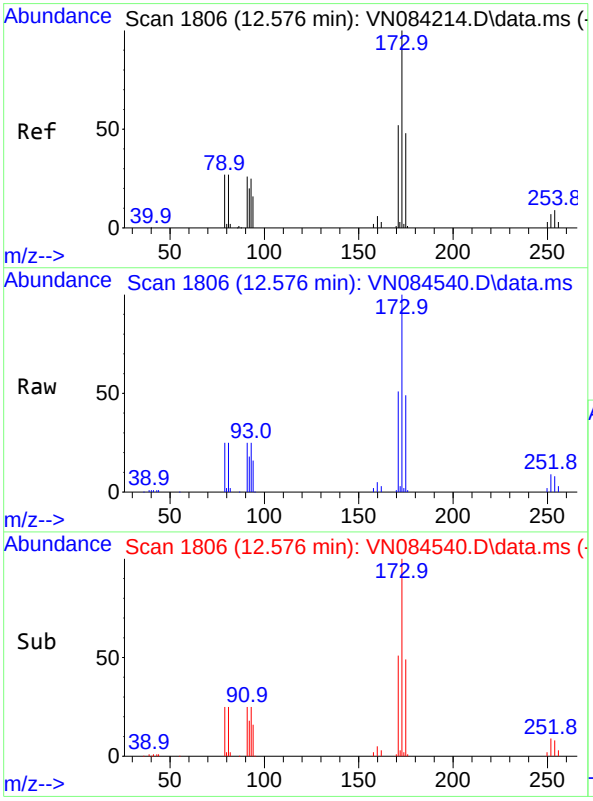
#70
Styrene
Concen: 55.319 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:104 Resp: 320263

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.7	64.1
103	54.5	43.6	65.4

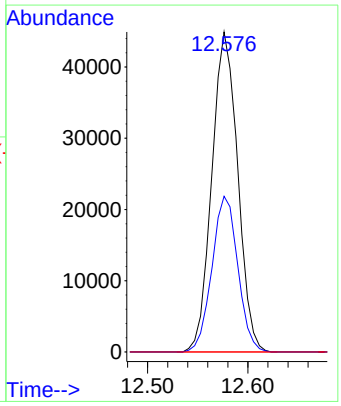


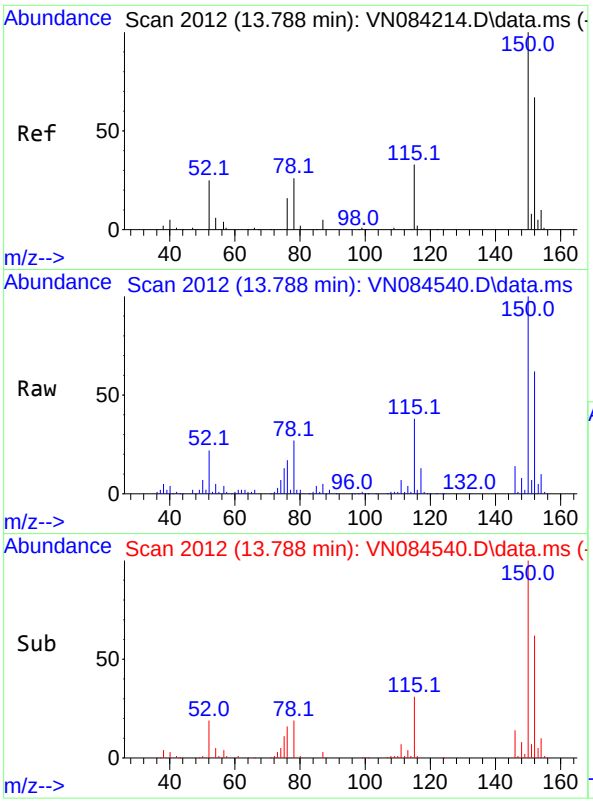


#71
Bromoform
Concen: 57.461 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:173 Resp: 80470

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0



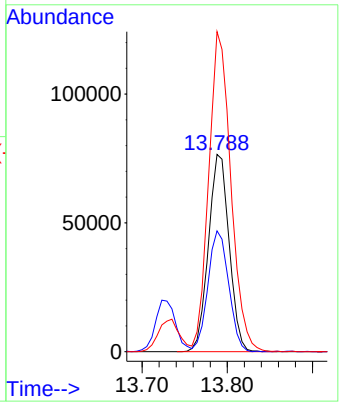


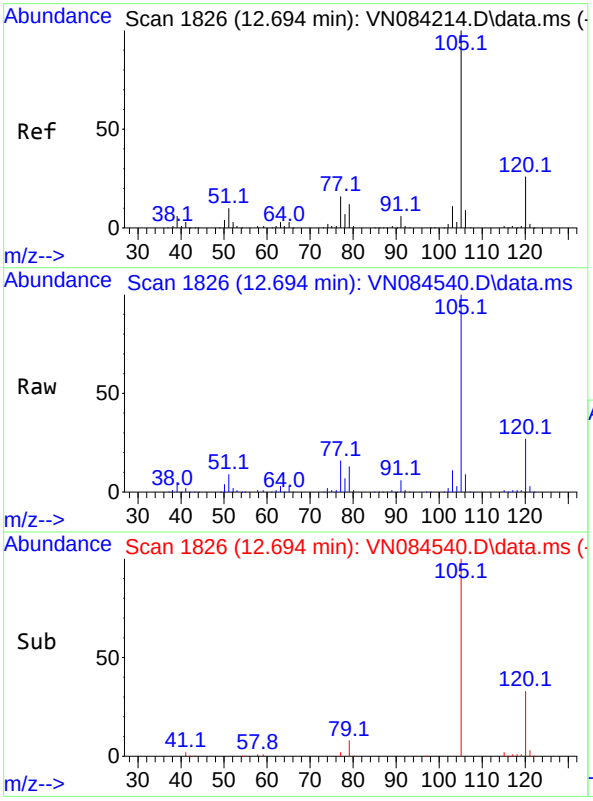
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:152 Resp: 129633

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.3	93.9
150	173.0	0.0	349.8

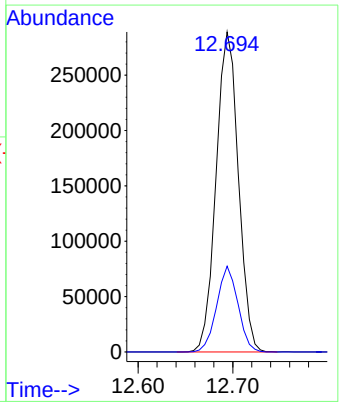


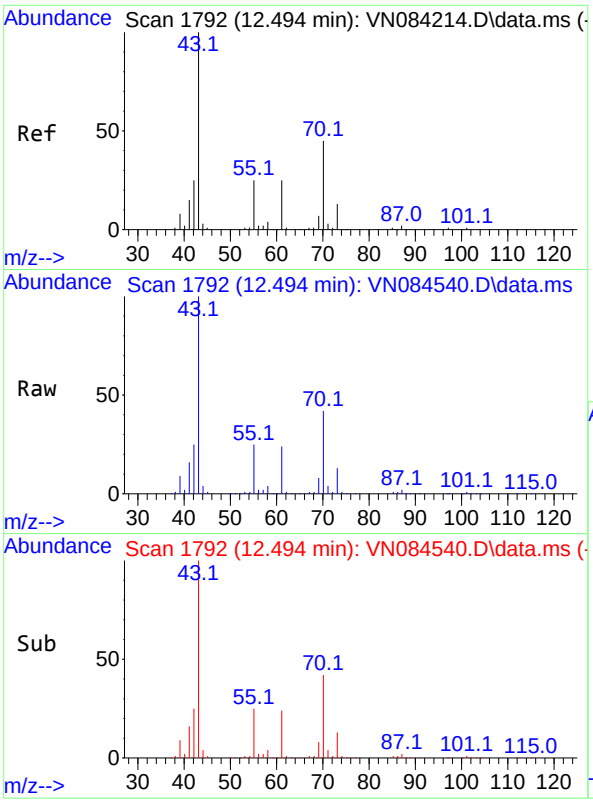


#73
Isopropylbenzene
Concen: 47.803 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:105 Resp: 472876

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7



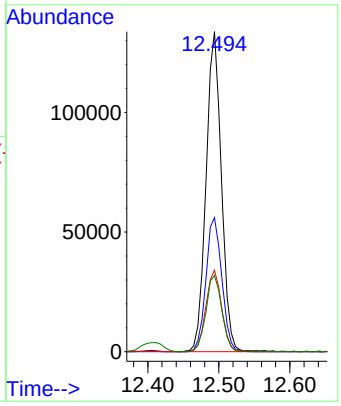


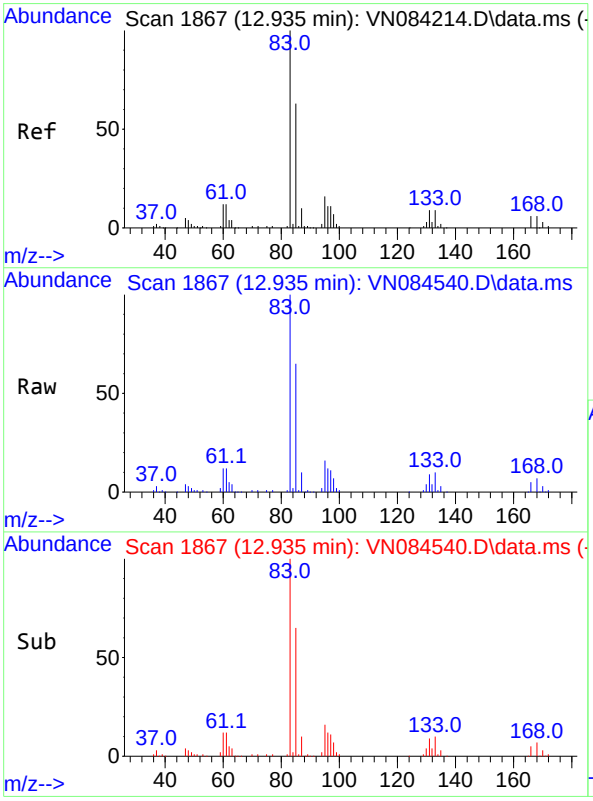
#74
N-amyl acetate
Concen: 44.876 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 43 Resp: 201025

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.4	51.6
55	26.3	19.6	29.4
61	24.5	19.6	29.4

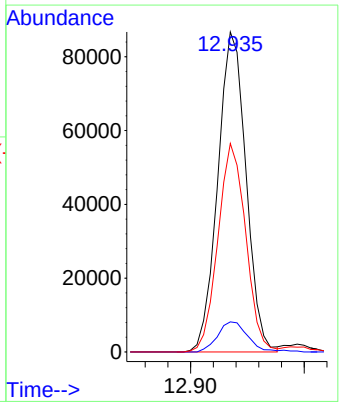


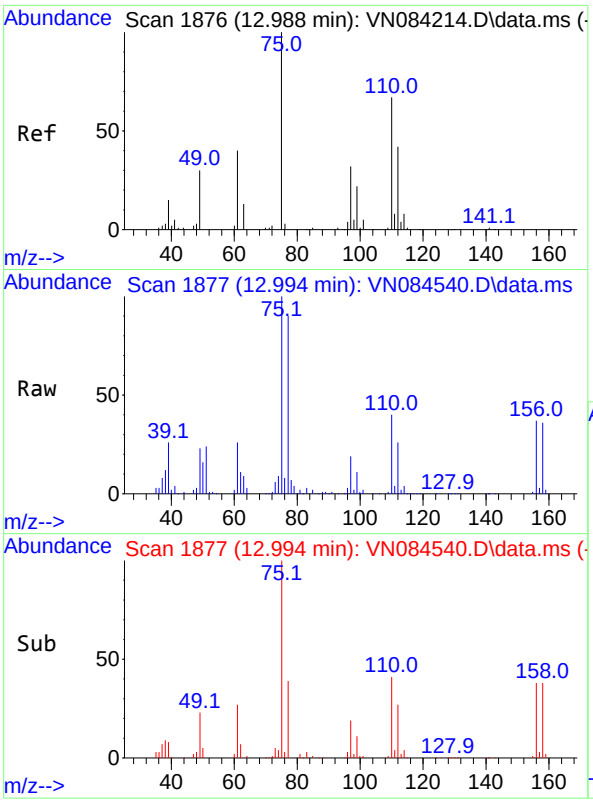


#75
1,1,2,2-Tetrachloroethane
Concen: 50.350 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 83 Resp: 149767

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.1	31.9	95.7



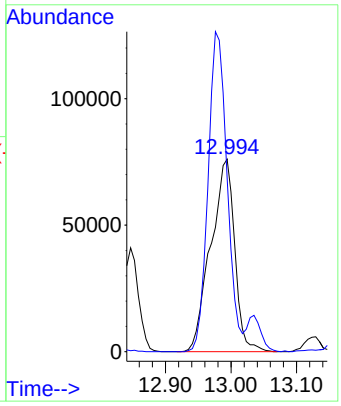


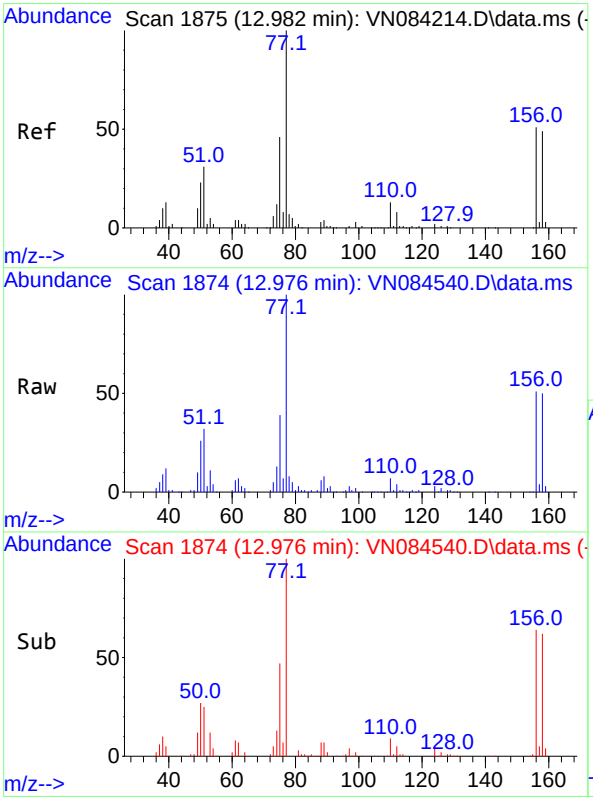
#76
1,2,3-Trichloropropane
Concen: 72.797 ug/l
RT: 12.994 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 75 Resp: 192657

Ion	Ratio	Lower	Upper
75	100		
77	132.2	96.9	290.7

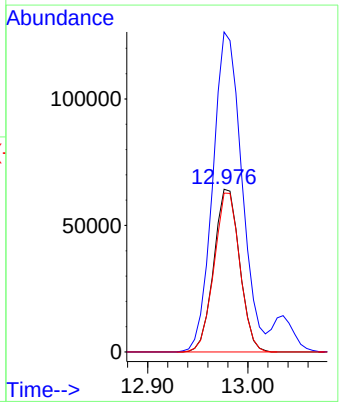


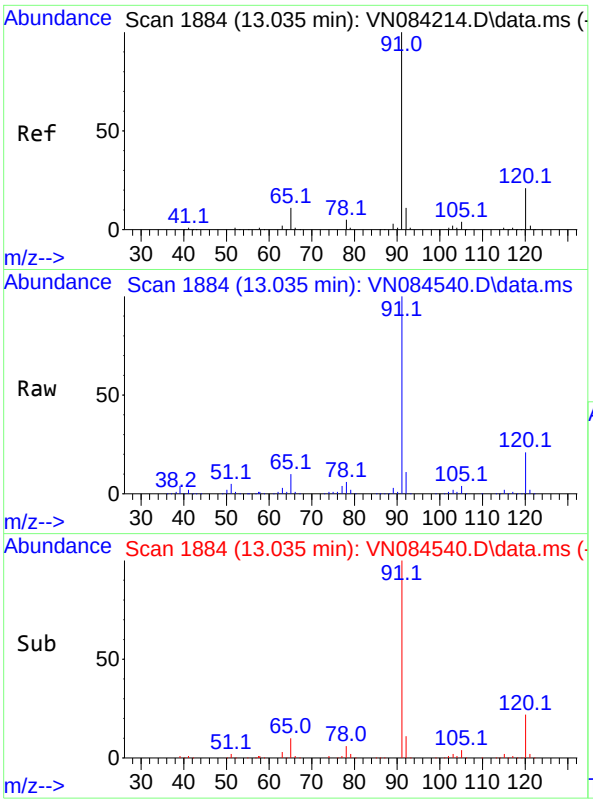


#77
Bromobenzene
Concen: 48.237 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:156 Resp: 115100

Ion	Ratio	Lower	Upper
156	100		
77	221.3	115.1	345.3
158	97.3	48.9	146.8



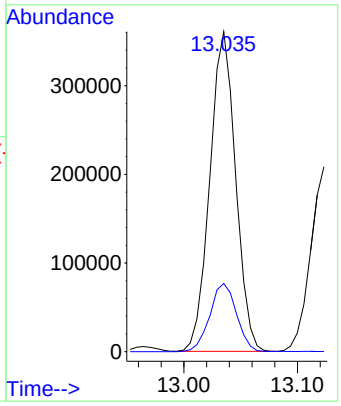


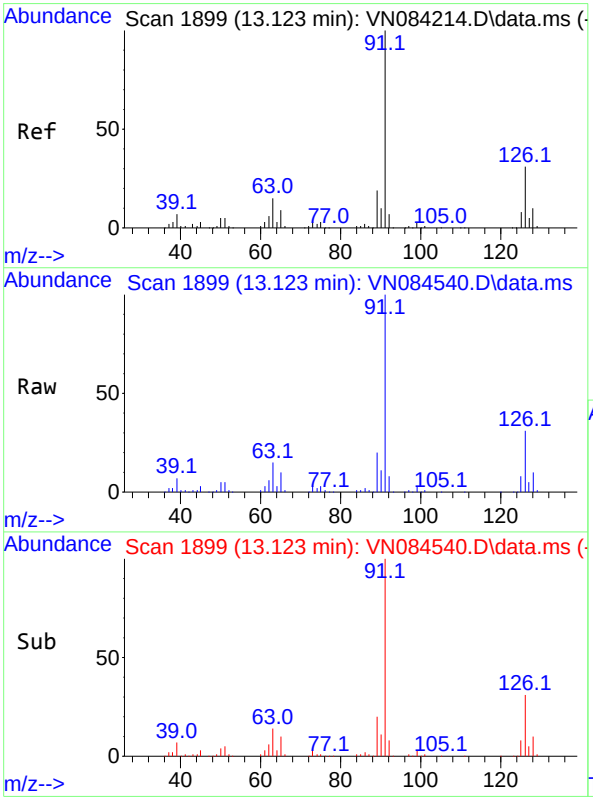
#78
n-propylbenzene
Concen: 49.529 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 91 Resp: 567662

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

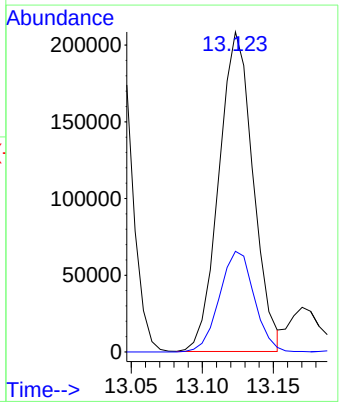


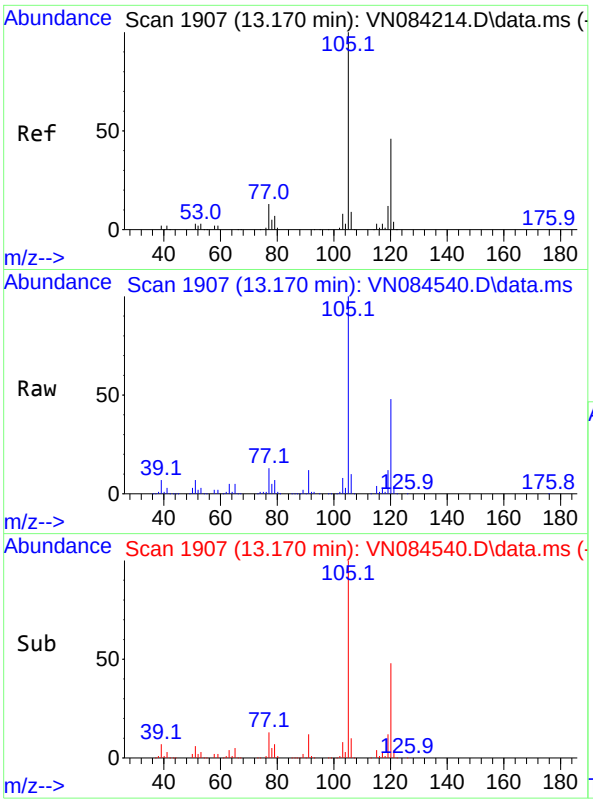


#79
2-Chlorotoluene
Concen: 47.807 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 349631

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



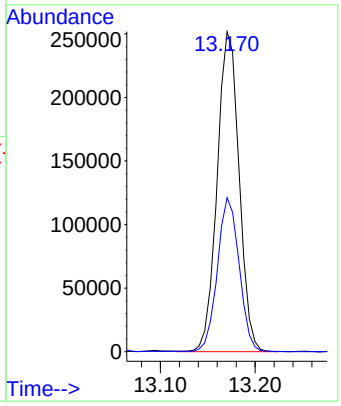


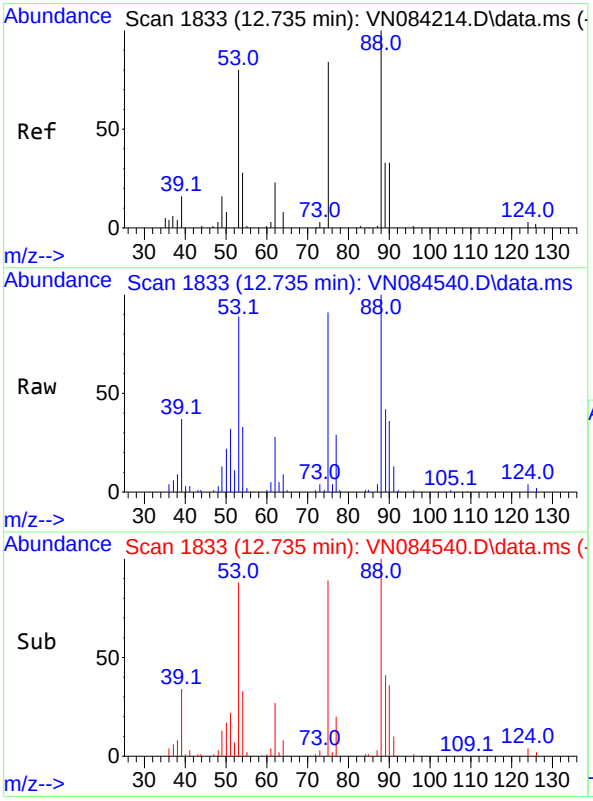
#80
1,3,5-Trimethylbenzene
Concen: 50.275 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:105 Resp: 405680

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1

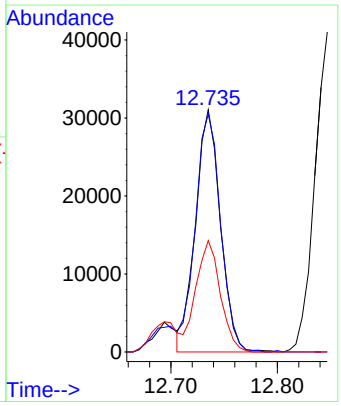


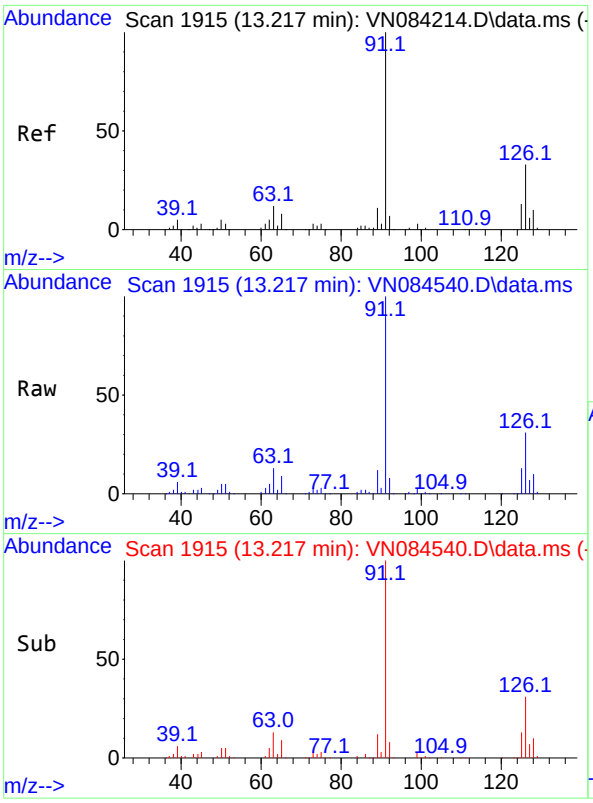


#81
trans-1,4-Dichloro-2-butene
Concen: 45.678 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 75 Resp: 50423

Ion	Ratio	Lower	Upper
75	100		
53	111.3	78.0	117.0
89	44.6	35.5	53.3



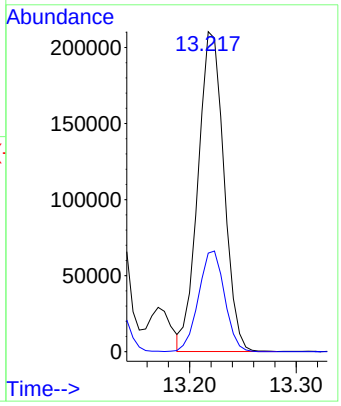


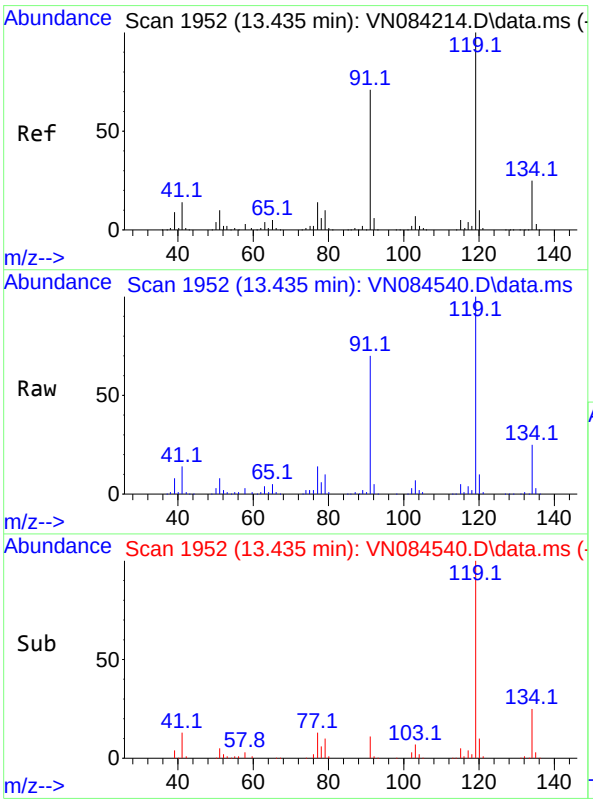
#82
4-Chlorotoluene
Concen: 48.301 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 91 Resp: 355598

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

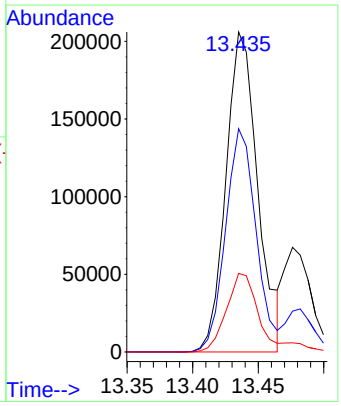


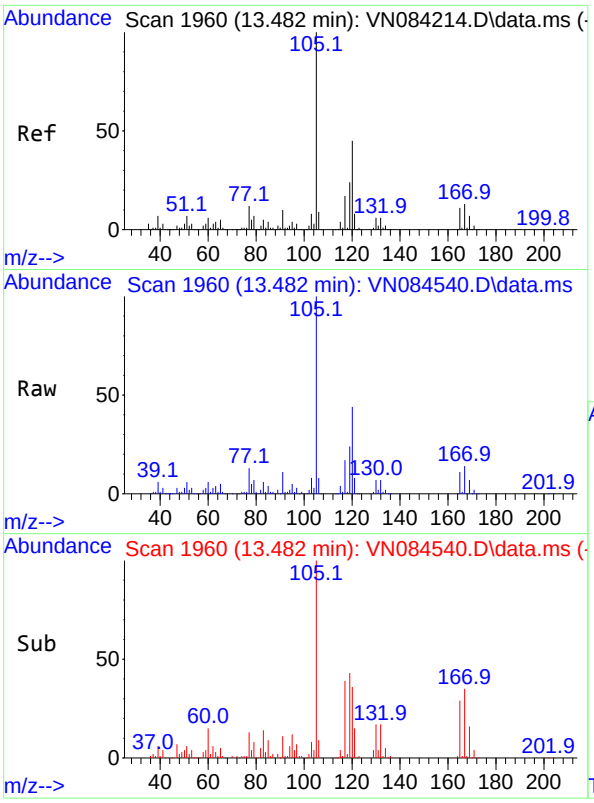


#83
tert-Butylbenzene
Concen: 48.470 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:119 Resp: 347621

Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	26.2	12.8	38.4



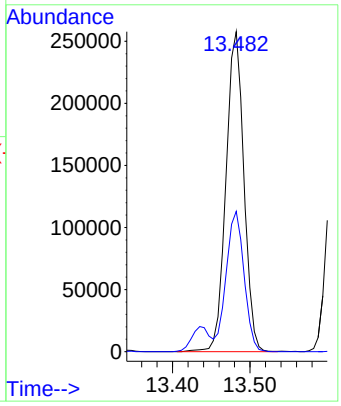


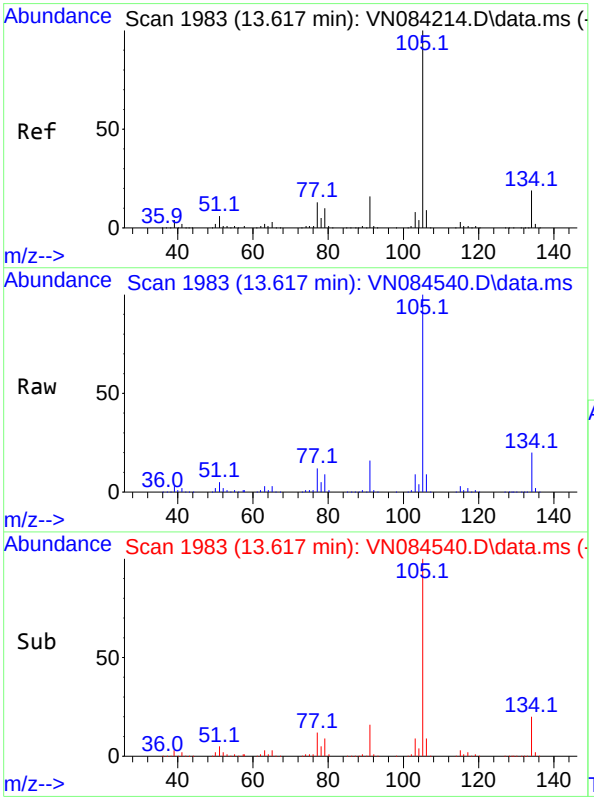
#84
1,2,4-Trimethylbenzene
Concen: 51.006 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:105 Resp: 414620

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

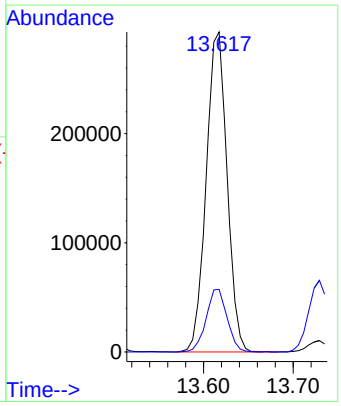


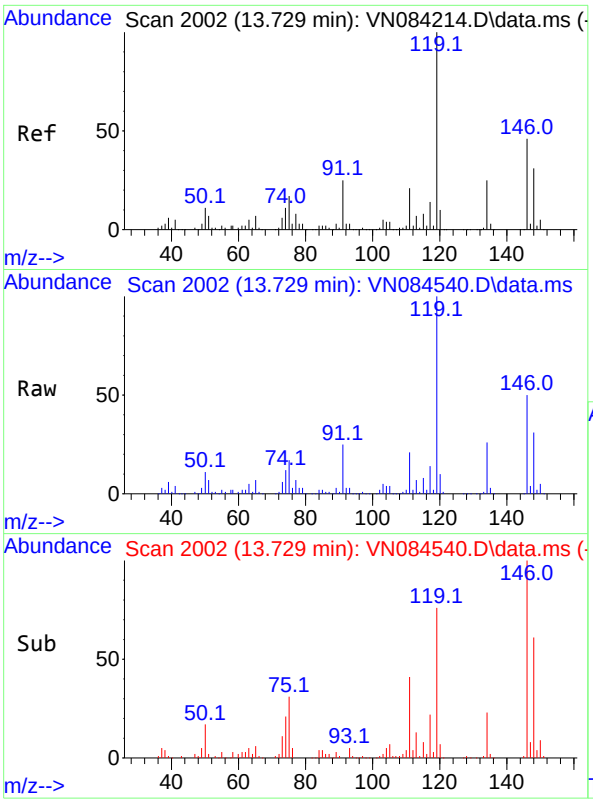


#85
sec-Butylbenzene
Concen: 49.467 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:105 Resp: 473419

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



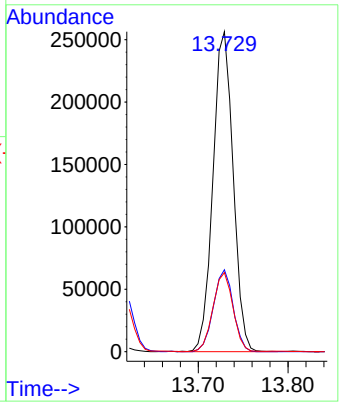


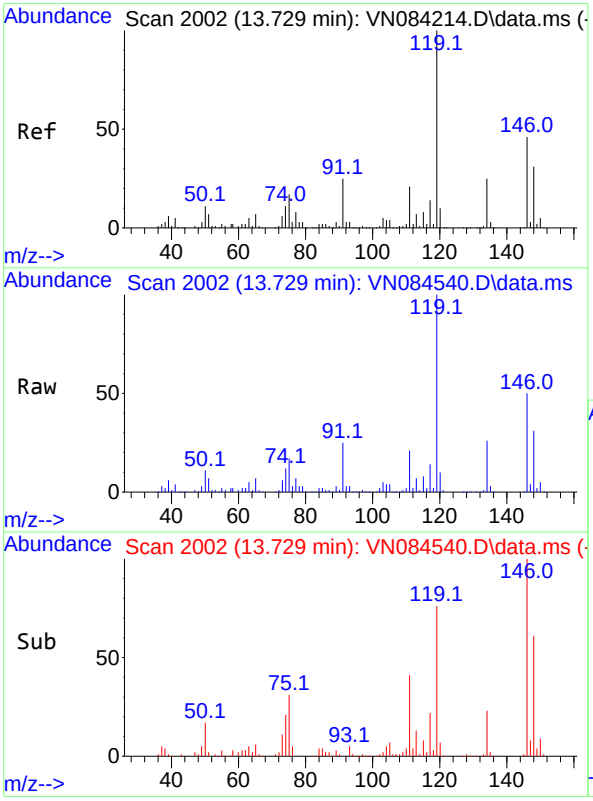
#86
p-Isopropyltoluene
Concen: 50.600 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:119 Resp: 400441

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	24.6	12.4	37.2

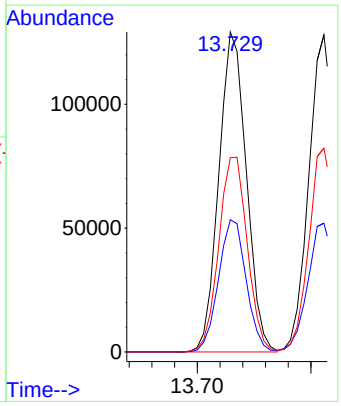


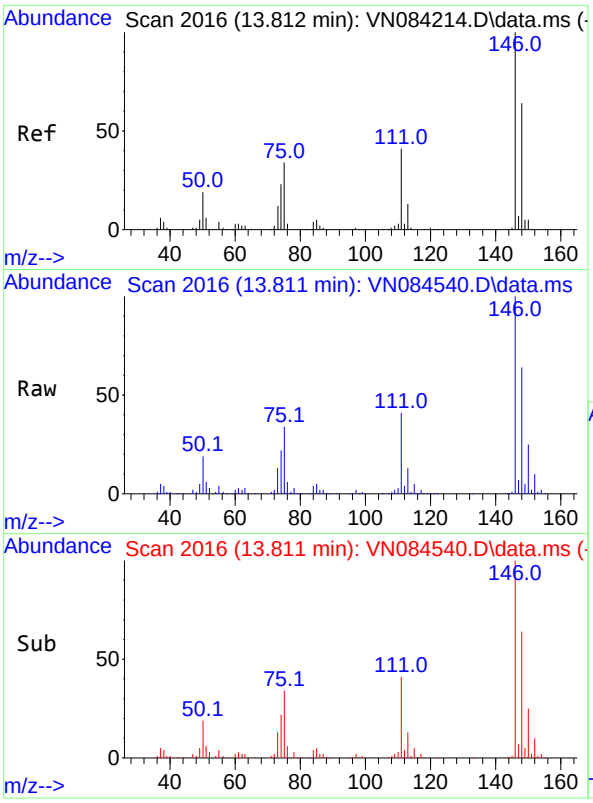


#87
1,3-Dichlorobenzene
Concen: 48.602 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:146 Resp: 217557

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	63.2	31.9	95.7



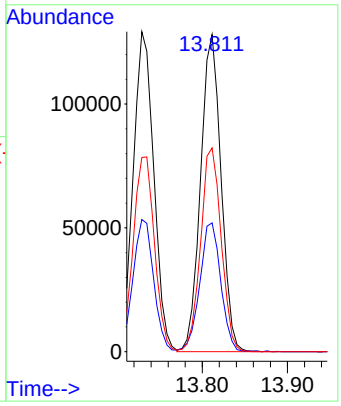


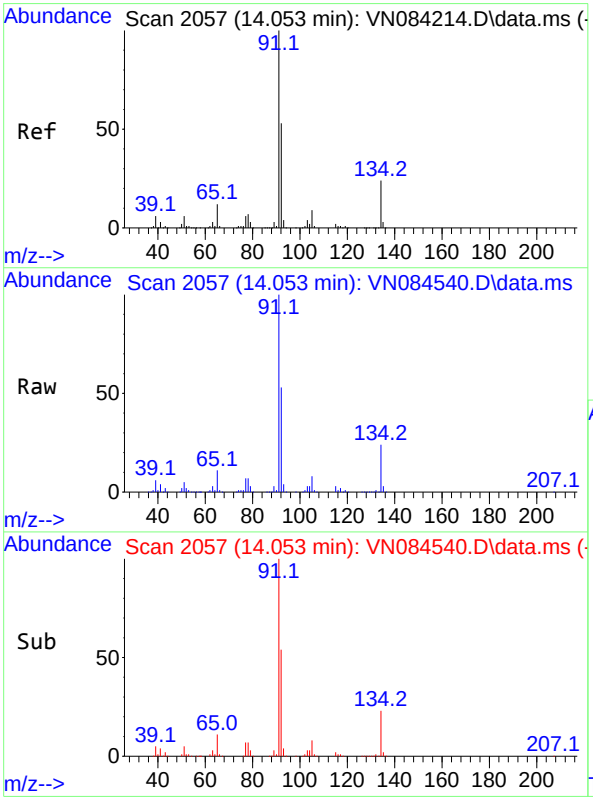
#88
1,4-Dichlorobenzene
Concen: 47.242 ug/l
RT: 13.811 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:146 Resp: 213556

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.6	31.9	95.9

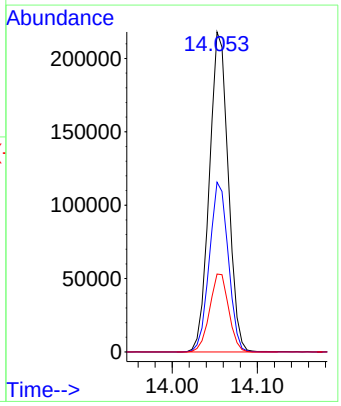


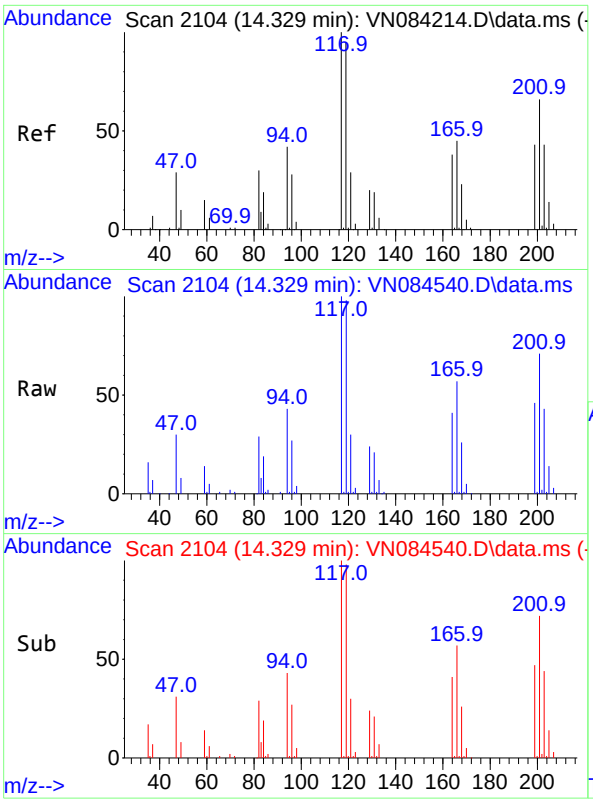


#89
n-Butylbenzene
Concen: 46.800 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion: 91 Resp: 335833

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	24.6	12.3	36.9



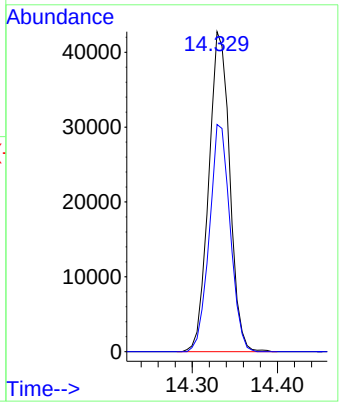


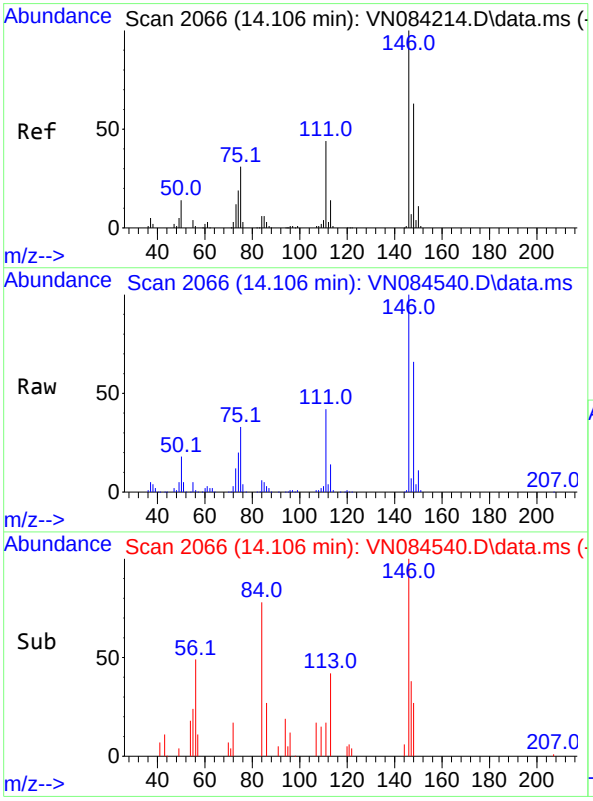
#90
Hexachloroethane
Concen: 45.481 ug/l
RT: 14.329 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:117 Resp: 73059

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.4	103.2

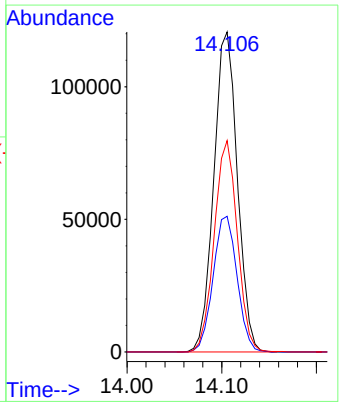


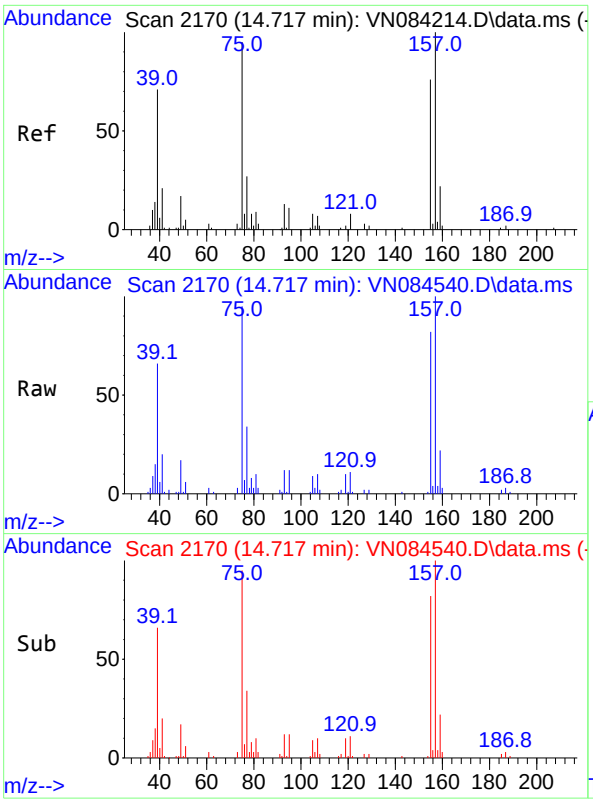


#91
1,2-Dichlorobenzene
Concen: 47.489 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:146 Resp: 208440

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.0	66.0
148	64.9	32.1	96.3



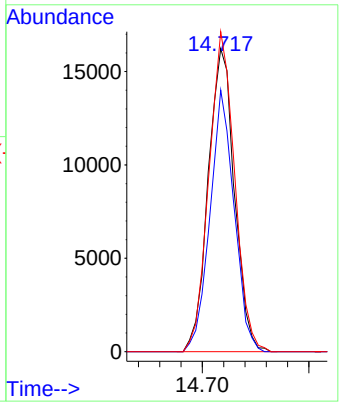


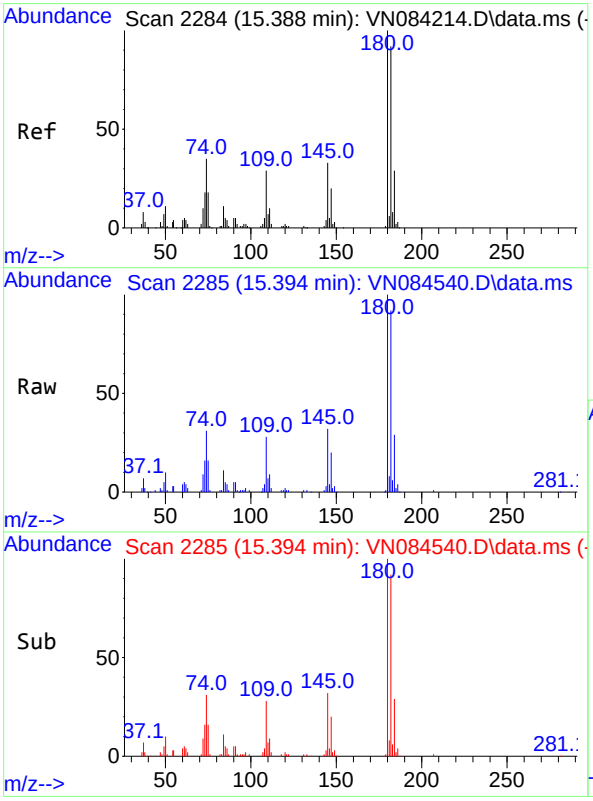
#92
1,2-Dibromo-3-Chloropropane
Concen: 45.203 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion: 75 Resp: 27746

Ion	Ratio	Lower	Upper
75	100		
155	79.5	38.1	114.5
157	103.5	49.6	149.0

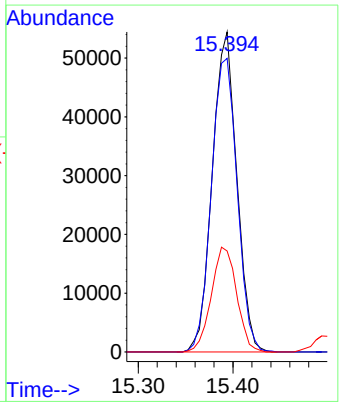


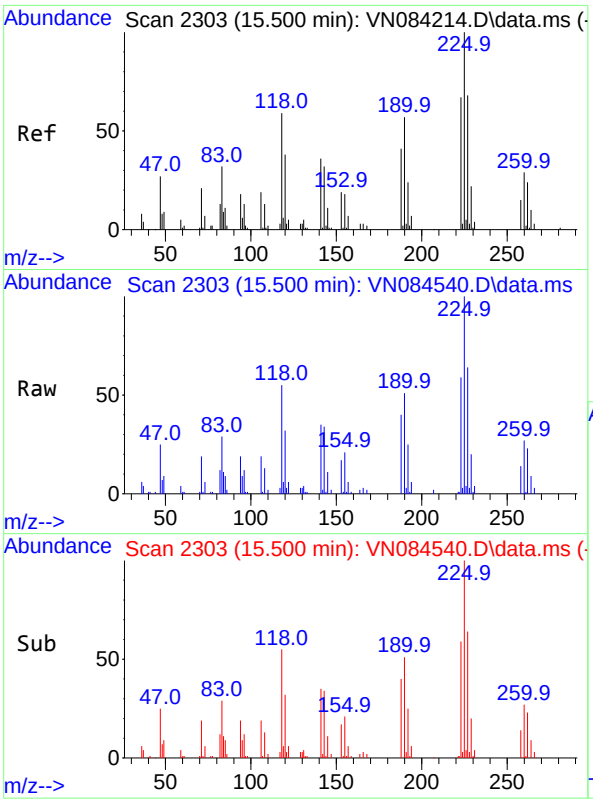


#93
1,2,4-Trichlorobenzene
Concen: 45.303 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:180 Resp: 97943

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.0
145	33.9	16.4	49.4



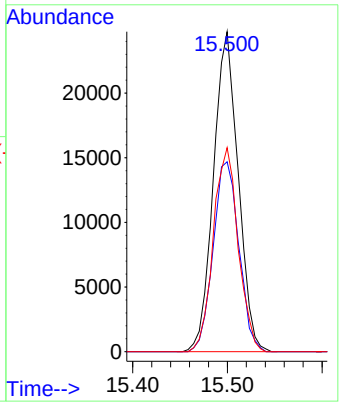


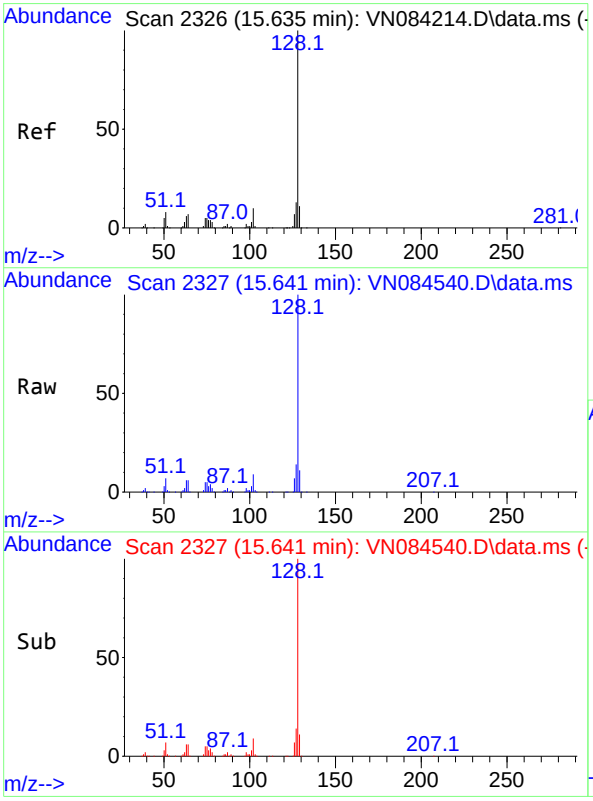
#94
Hexachlorobutadiene
Concen: 41.621 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:225 Resp: 44874

Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.4	97.2
227	63.9	32.4	97.0

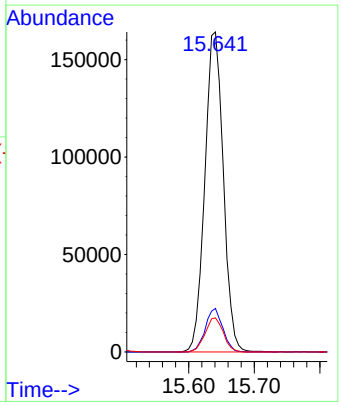


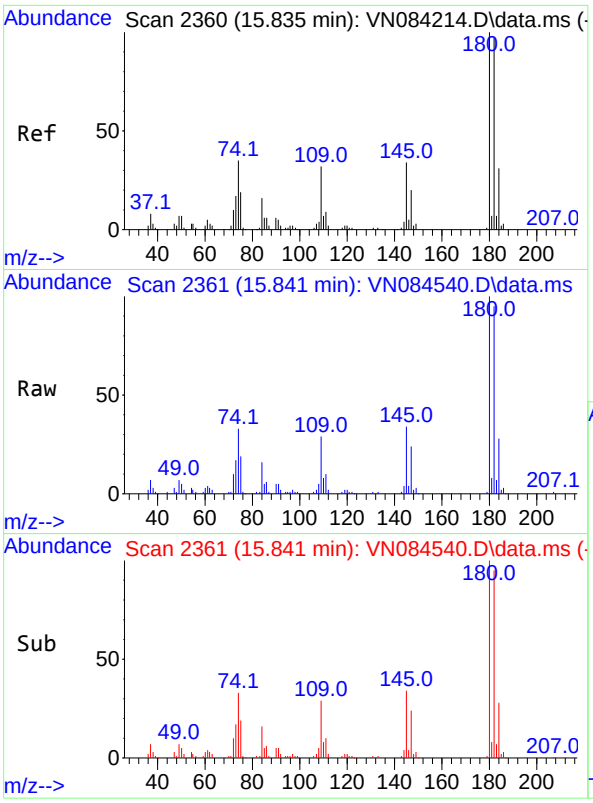


#95
Naphthalene
Concen: 44.978 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Tgt Ion:128 Resp: 322365

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	8.7	13.1



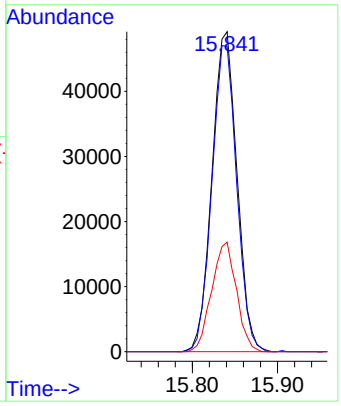


#96
1,2,3-Trichlorobenzene
Concen: 46.288 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084540.D
Acq: 28 Oct 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MS

Tgt Ion:180 Resp: 100172

Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.2	144.6
145	33.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122304	53.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	8.165	113	98179	54.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.980%			
50) Toluene-d8	10.565	98	352123	53.605	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.220%			
62) 4-Bromofluorobenzene	12.847	95	136392	56.994	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	85573	46.813	ug/l	93
3) Chloromethane	2.359	50	95744	45.872	ug/l	96
4) Vinyl Chloride	2.512	62	99148	49.040	ug/l	100
5) Bromomethane	2.948	94	62729	47.039	ug/l	100
6) Chloroethane	3.118	64	63038	43.536	ug/l	96
7) Trichlorofluoromethane	3.495	101	167421	53.179	ug/l	100
8) Diethyl Ether	3.959	74	60399	51.728	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	97280	53.927	ug/l	97
10) Methyl Iodide	4.583	142	122930	52.916	ug/l	96
11) Tert butyl alcohol	5.524	59	88009	232.938	ug/l	99
12) 1,1-Dichloroethene	4.342	96	92223	53.002	ug/l	95
13) Acrolein	4.177	56	109576	252.628	ug/l	98
14) Allyl chloride	5.018	41	145067	48.005	ug/l	96
15) Acrylonitrile	5.718	53	259448	271.928	ug/l	99
16) Acetone	4.430	43	206504	209.796	ug/l	96
17) Carbon Disulfide	4.712	76	241414	43.822	ug/l	99
18) Methyl Acetate	5.030	43	129085	60.169	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	320220	54.526	ug/l	98
20) Methylene Chloride	5.277	84	106388	53.170	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	96257	52.803	ug/l	98
22) Diisopropyl ether	6.671	45	341560	54.644	ug/l	100
23) Vinyl Acetate	6.600	43	1185670	255.748	ug/l	97
24) 1,1-Dichloroethane	6.565	63	191176	54.692	ug/l	99
25) 2-Butanone	7.483	43	337019	251.386	ug/l	98
26) 2,2-Dichloropropane	7.488	77	158703	50.354	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	119318	54.165	ug/l	96
28) Bromochloromethane	7.812	49	76267	48.901	ug/l	95
29) Tetrahydrofuran	7.835	42	224350	271.173	ug/l	97
30) Chloroform	7.965	83	200327	55.172	ug/l	100
31) Cyclohexane	8.253	56	153830	45.325	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	178117	54.621	ug/l	99
36) 1,1-Dichloropropene	8.371	75	131591	50.741	ug/l	99
37) Ethyl Acetate	7.559	43	135651	50.985	ug/l	99
38) Carbon Tetrachloride	8.359	117	153184	53.846	ug/l	97
39) Methylcyclohexane	9.600	83	144215	49.964	ug/l	99
40) Benzene	8.606	78	429517	53.157	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78943	54.654	ug/l		98
42) 1,2-Dichloroethane	8.671	62	143182	52.270	ug/l		99
43) Isopropyl Acetate	8.688	43	229248	43.990	ug/l		98
44) Trichloroethene	9.347	130	97377	51.599	ug/l		96
45) 1,2-Dichloropropane	9.618	63	106589	55.763	ug/l		99
46) Dibromomethane	9.706	93	74032	57.393	ug/l		97
47) Bromodichloromethane	9.888	83	156816	54.719	ug/l		99
48) Methyl methacrylate	9.682	41	113200	54.567	ug/l		99
49) 1,4-Dioxane	9.694	88	37253	975.420	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	706513	278.946	ug/l		99
52) Toluene	10.629	92	269566	54.709	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	157268	53.835	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	161305	51.335	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	100849	57.093	ug/l		97
56) Ethyl methacrylate	10.871	69	164976	56.761	ug/l		98
57) 1,3-Dichloropropane	11.165	76	173131	54.852	ug/l		99
59) 2-Hexanone	11.194	43	518127	273.701	ug/l		98
60) Dibromochloromethane	11.359	129	120574	57.772	ug/l		99
61) 1,2-Dibromoethane	11.471	107	100524	54.769	ug/l		100
64) Tetrachloroethene	11.100	164	86425	51.220	ug/l		97
65) Chlorobenzene	11.888	112	281063	52.326	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	102811	55.570	ug/l		99
67) Ethyl Benzene	11.965	91	511064	53.801	ug/l		97
68) m/p-Xylenes	12.070	106	388846	110.663	ug/l		100
69) o-Xylene	12.394	106	186023	55.956	ug/l		100
70) Styrene	12.412	104	326970	58.066	ug/l		97
71) Bromoform	12.576	173	81509	59.841	ug/l	#	100
73) Isopropylbenzene	12.694	105	477965	50.405	ug/l		99
74) N-amyl acetate	12.494	43	199668	46.499	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148921	52.229	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	189138	74.555	ug/l		61
77) Bromobenzene	12.976	156	116619	50.986	ug/l		95
78) n-propylbenzene	13.035	91	557749	50.767	ug/l		98
79) 2-Chlorotoluene	13.123	91	350968	50.063	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	408303	52.786	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	51613	48.776	ug/l		94
82) 4-Chlorotoluene	13.217	91	356802	50.558	ug/l		100
83) tert-Butylbenzene	13.435	119	332305	48.336	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	410580	52.692	ug/l		98
85) sec-Butylbenzene	13.612	105	474663	51.740	ug/l		100
86) p-Isopropyltoluene	13.729	119	403793	53.228	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	215381	50.194	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	212329	49.000	ug/l		98
89) n-Butylbenzene	14.053	91	331045	48.126	ug/l		99
90) Hexachloroethane	14.329	117	73881	47.979	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	208642	49.589	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29102	49.460	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	99380	47.954	ug/l		99
94) Hexachlorobutadiene	15.500	225	45075	43.614	ug/l		99
95) Naphthalene	15.641	128	328108	47.757	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	98790	47.622	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
Operator : JC\MD
Sample : P4550-08MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084541.D
Acq On : 28 Oct 2024 15:53
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Sample : P4550-08MSD
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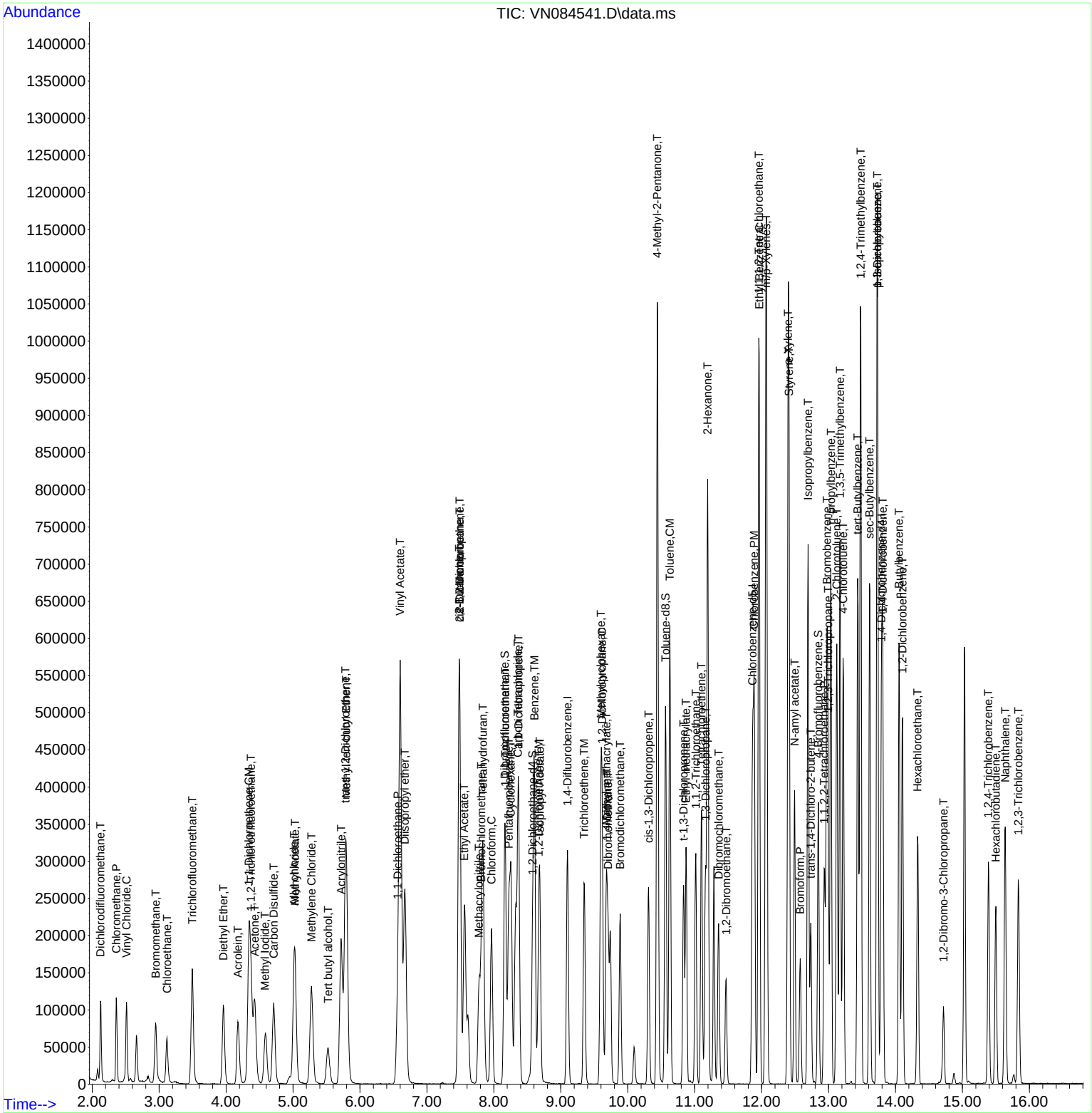
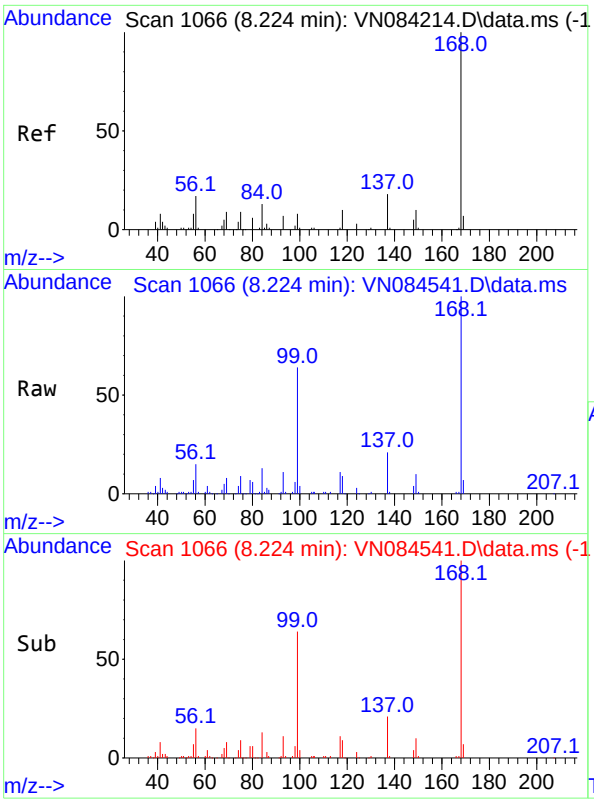
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Quant Time: Oct 28 18:35:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



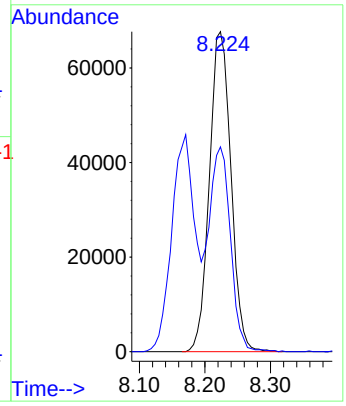


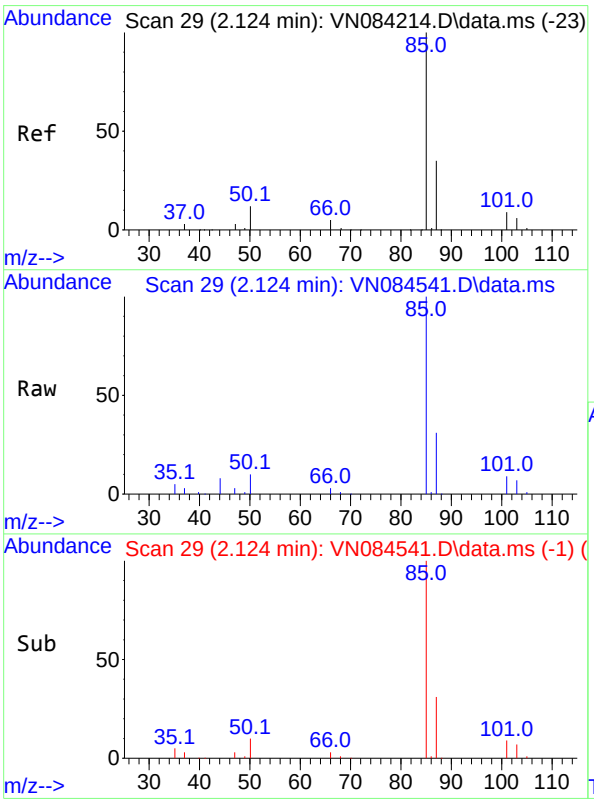
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:168 Resp: 154539

Ion	Ratio	Lower	Upper
168	100		
99	63.7	54.2	81.2

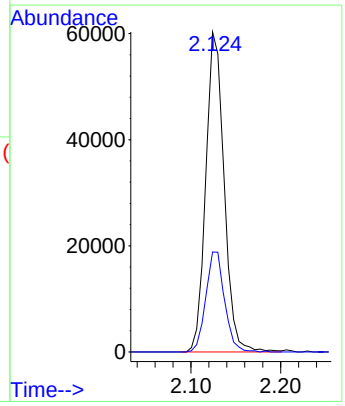


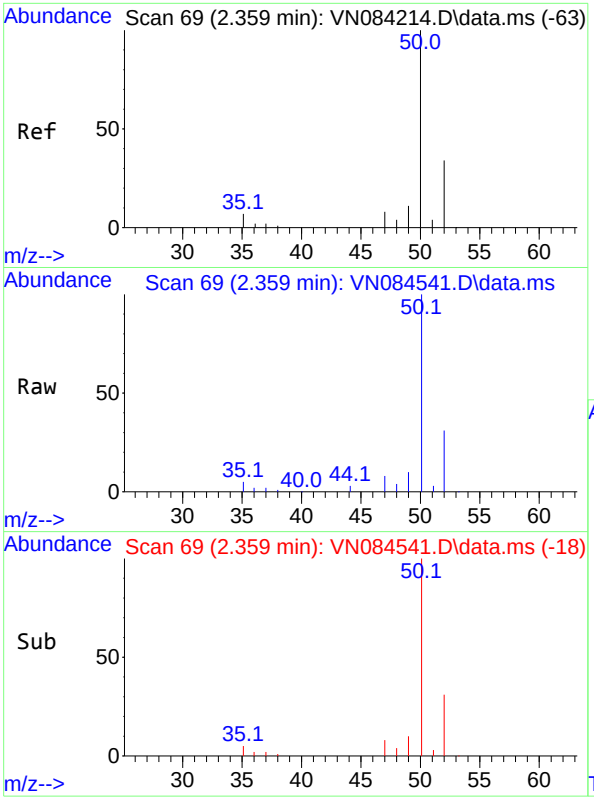


#2
Dichlorodifluoromethane
Concen: 46.813 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 85 Resp: 85573

Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.6	52.9



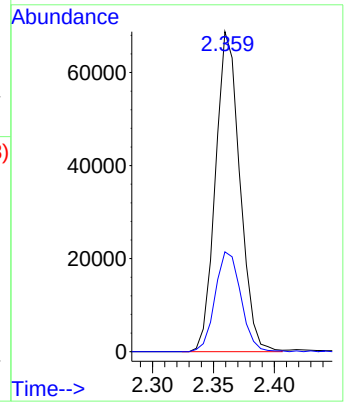


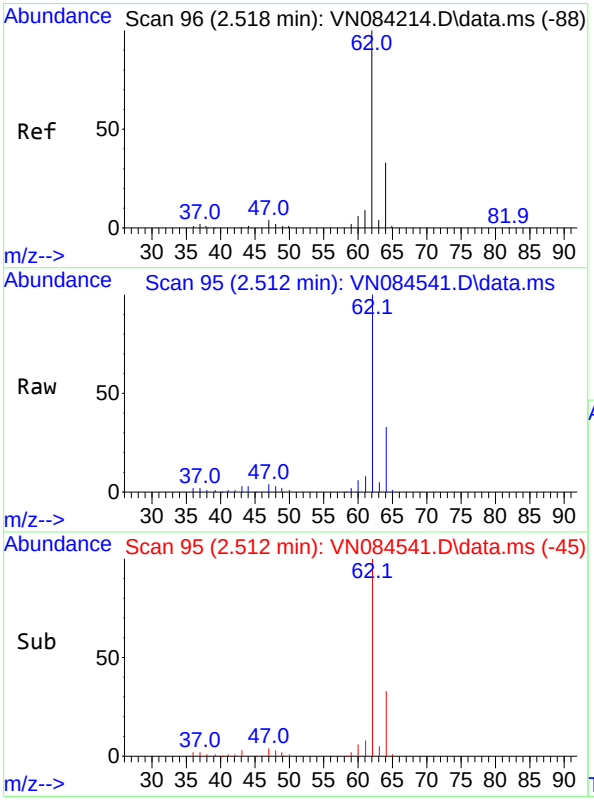
#3
Chloromethane
Concen: 45.872 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 50 Resp: 95744

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.8	40.2

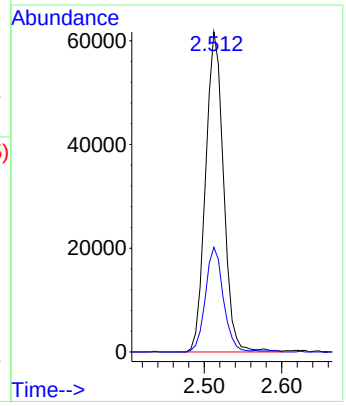


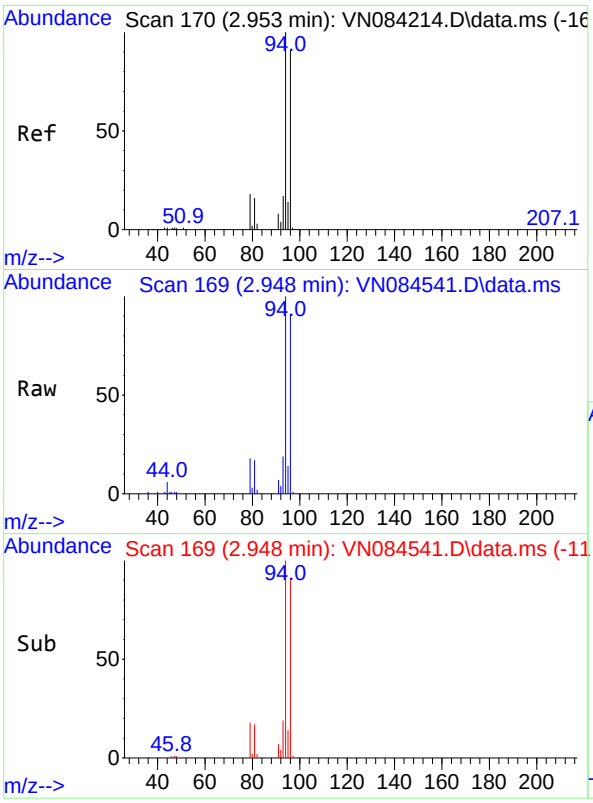


#4
Vinyl Chloride
Concen: 49.040 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 62 Resp: 99148

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4



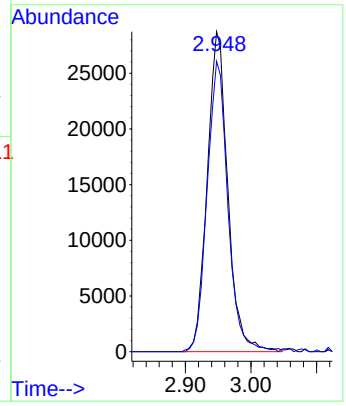


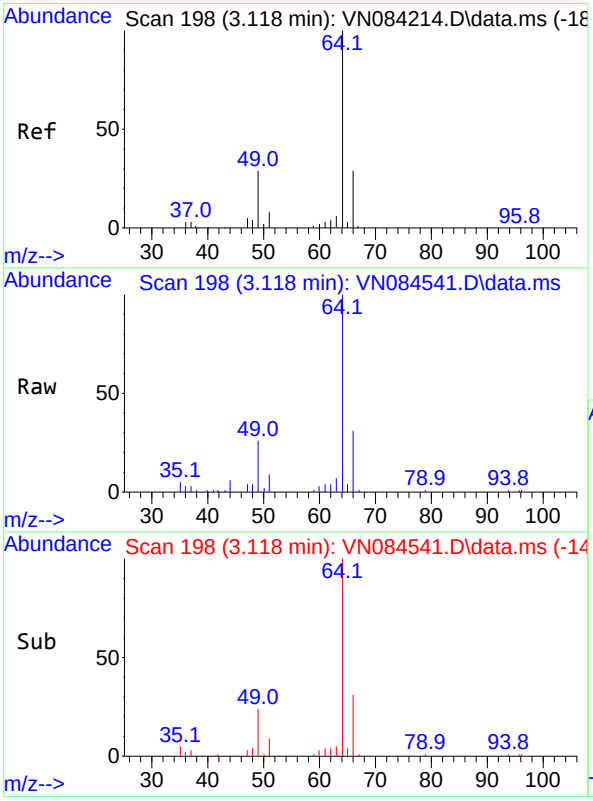
#5
Bromomethane
Concen: 47.039 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 94 Resp: 62729

Ion	Ratio	Lower	Upper
94	100		
96	90.8	72.9	109.3

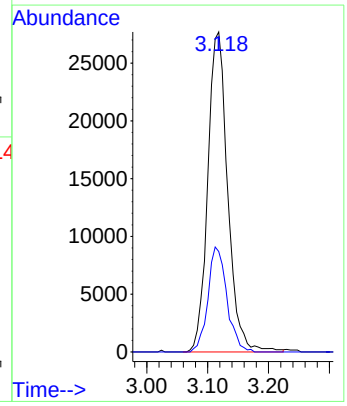


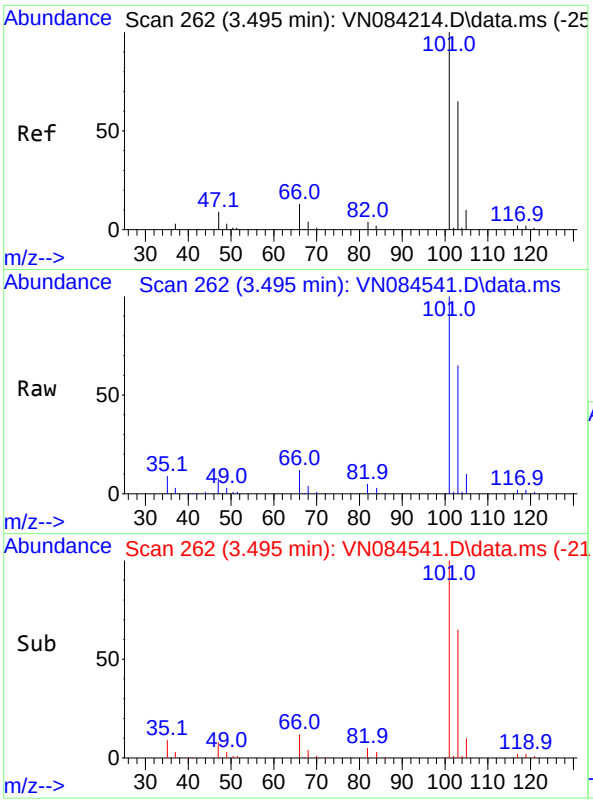


#6
Chloroethane
Concen: 43.536 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 64 Resp: 63038

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3



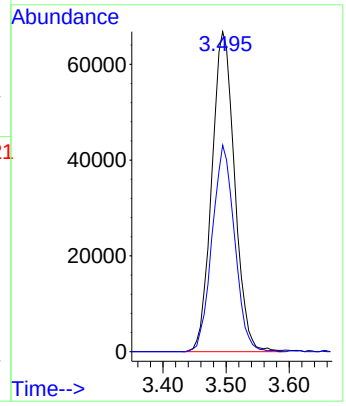


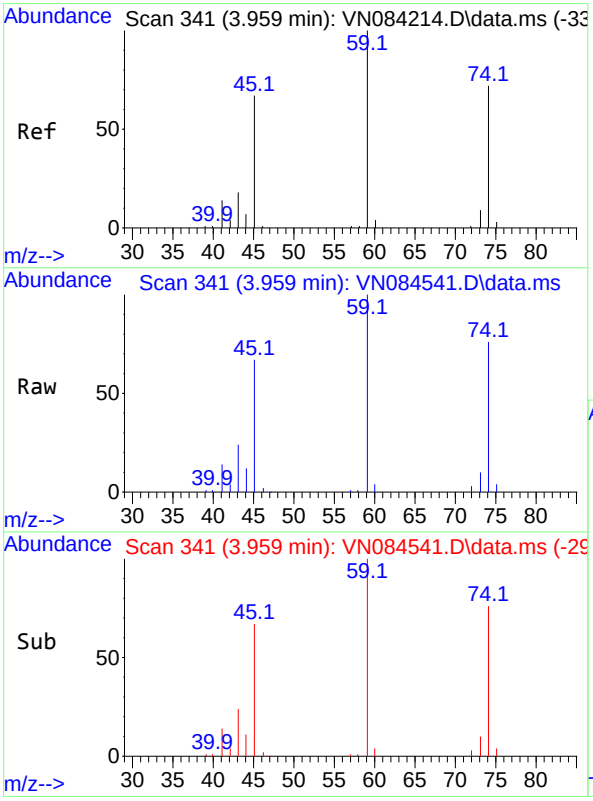
#7
Trichlorofluoromethane
Concen: 53.179 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:101 Resp: 167421

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

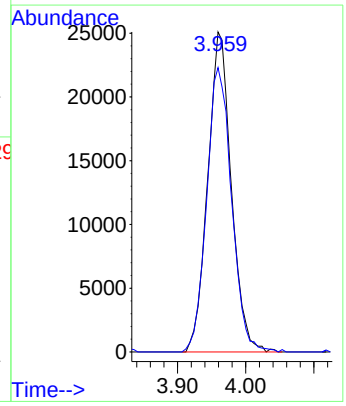


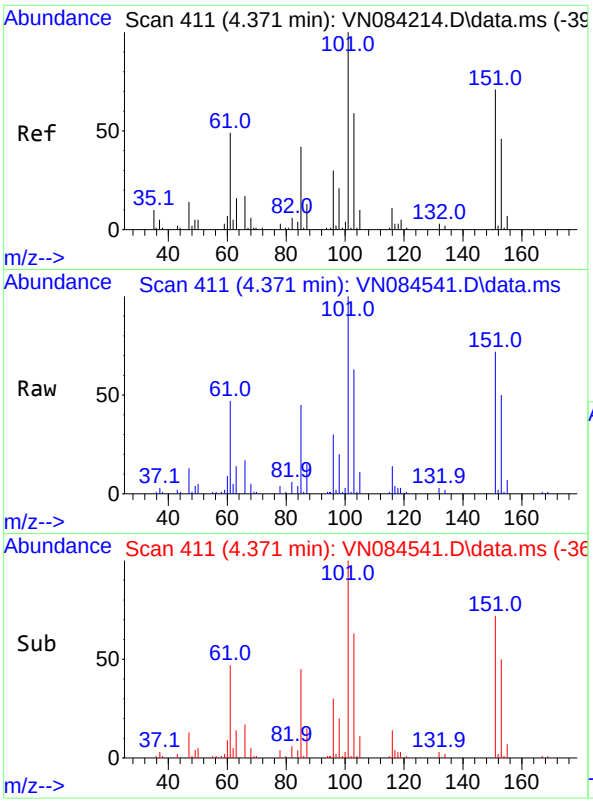


#8
Diethyl Ether
Concen: 51.728 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 74 Resp: 60399

Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.7	143.1



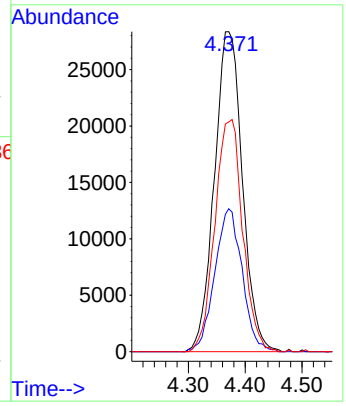


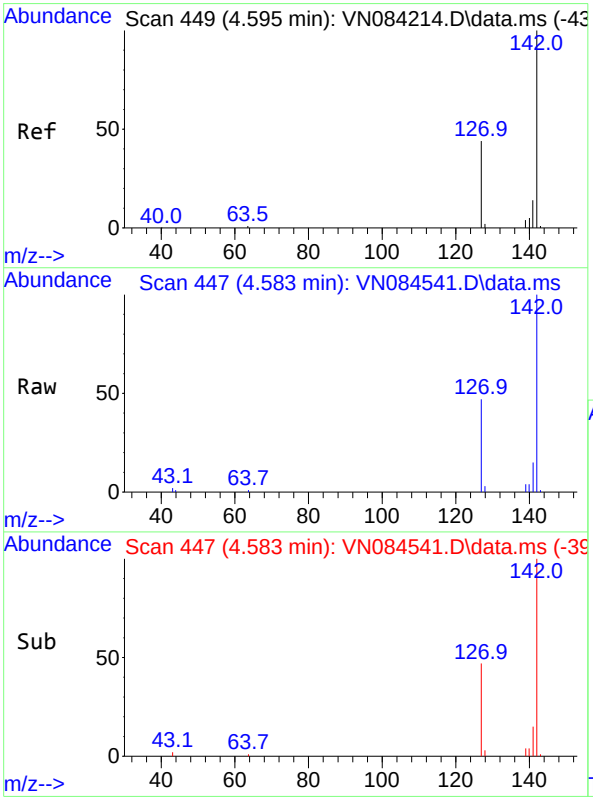
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.927 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:101 Resp: 97280

Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.2	54.4
151	71.9	59.3	88.9

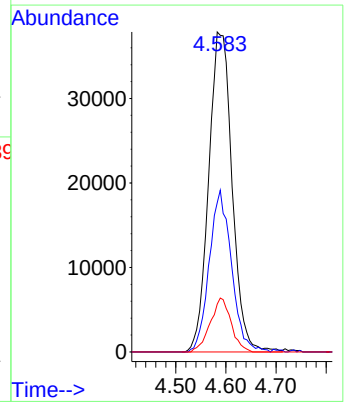


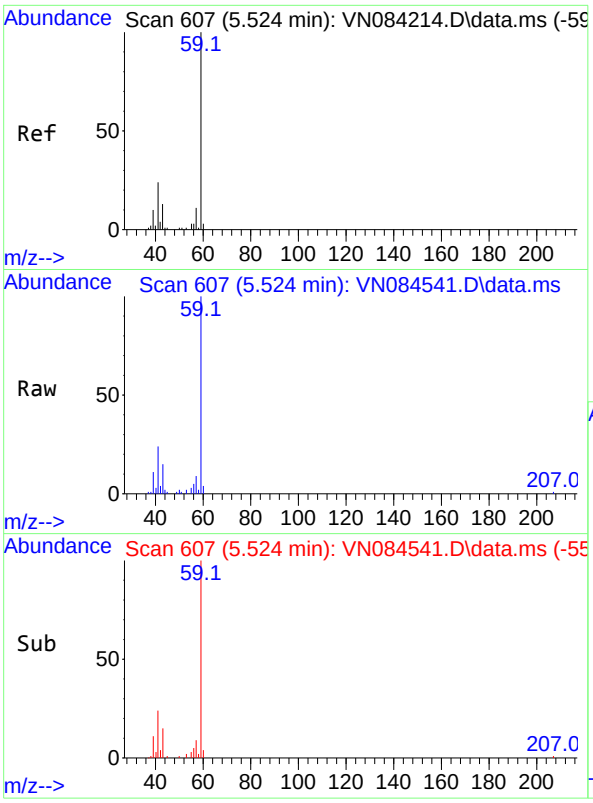


#10
Methyl Iodide
Concen: 52.916 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:142 Resp: 122930

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	14.9	11.0	16.6



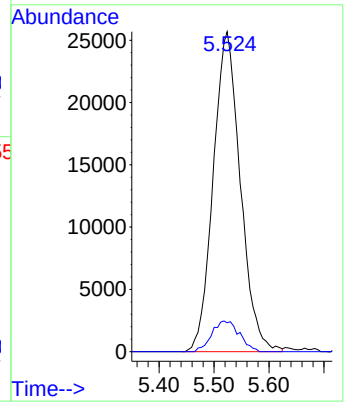


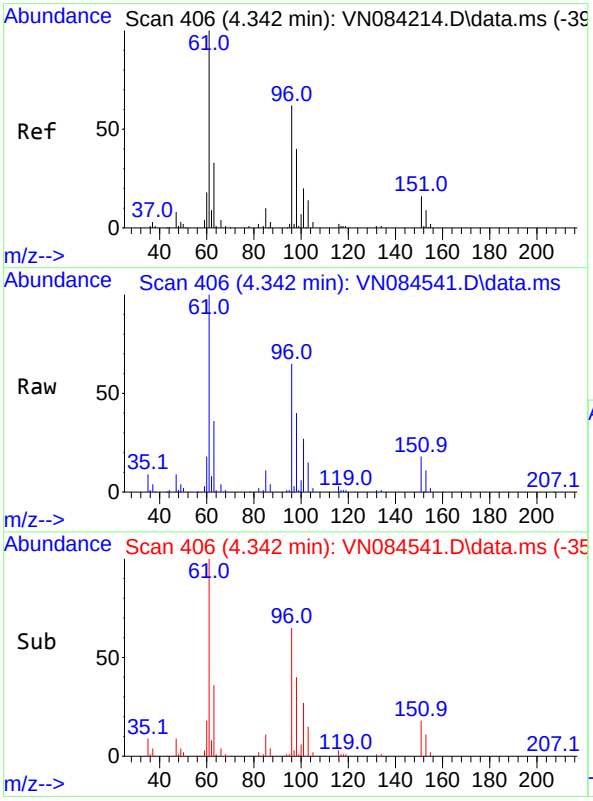
#11
Tert butyl alcohol
Concen: 232.938 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 59 Resp: 88009

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

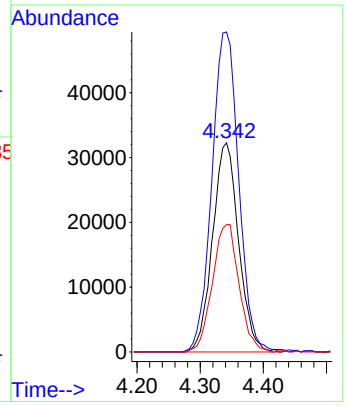


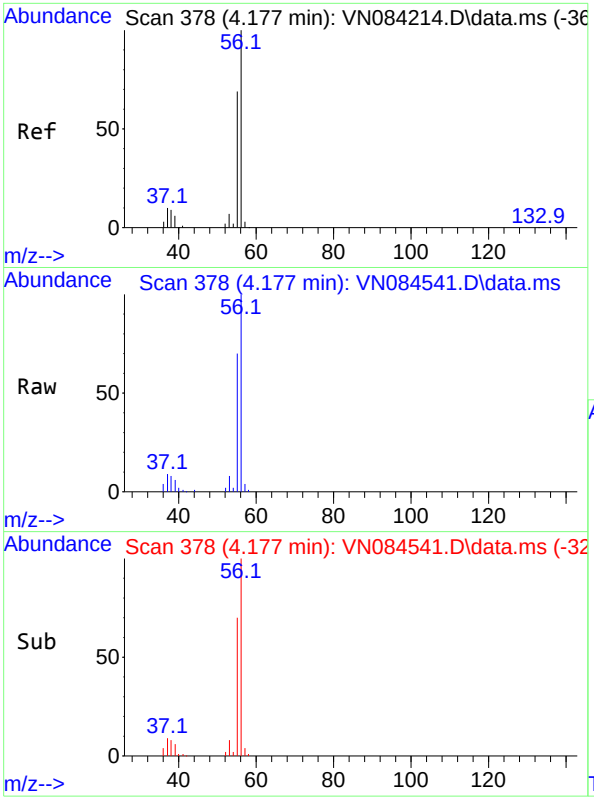


#12
1,1-Dichloroethene
Concen: 53.002 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 96 Resp: 92223

Ion	Ratio	Lower	Upper
96	100		
61	153.0	128.6	192.8
98	60.9	51.7	77.5



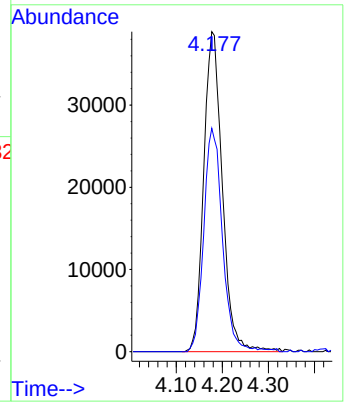


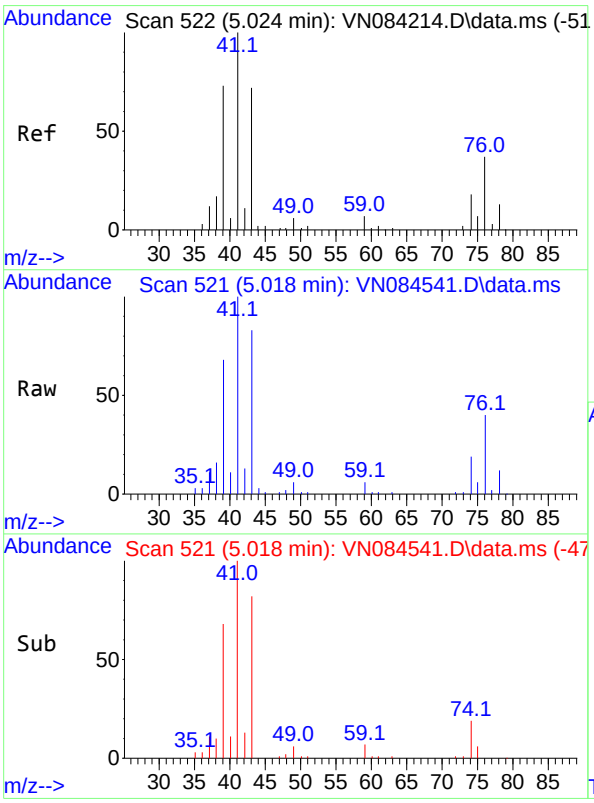
#13
Acrolein
Concen: 252.628 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 56 Resp: 109576

Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.2	85.8

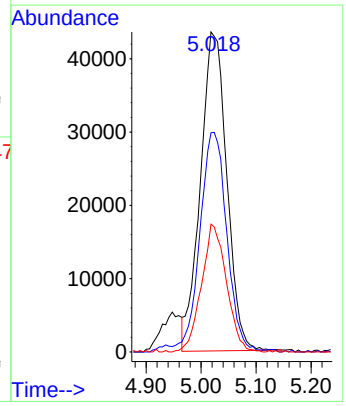


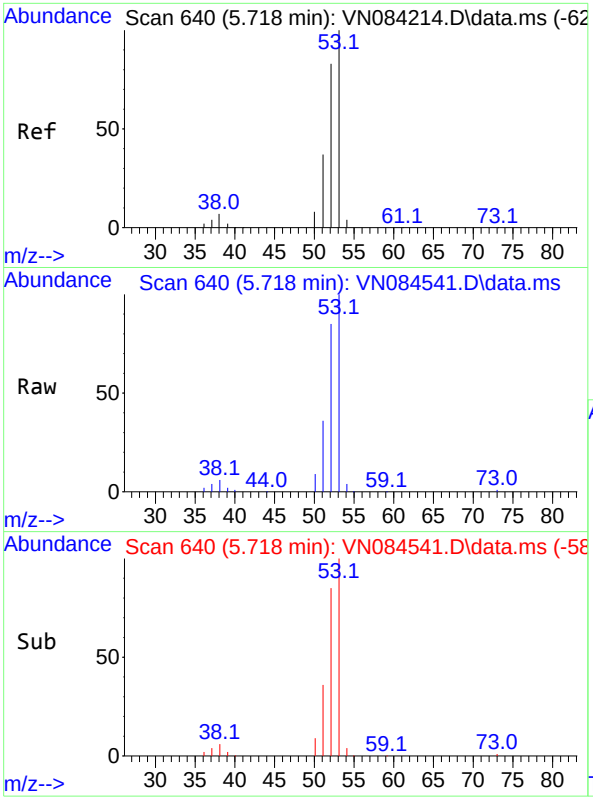


#14
Allyl chloride
Concen: 48.005 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 41 Resp: 145067

Ion	Ratio	Lower	Upper
41	100		
39	69.1	59.0	88.6
76	37.9	29.8	44.6



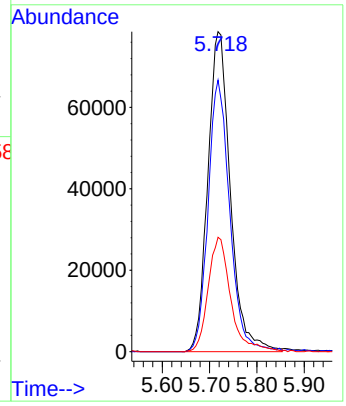


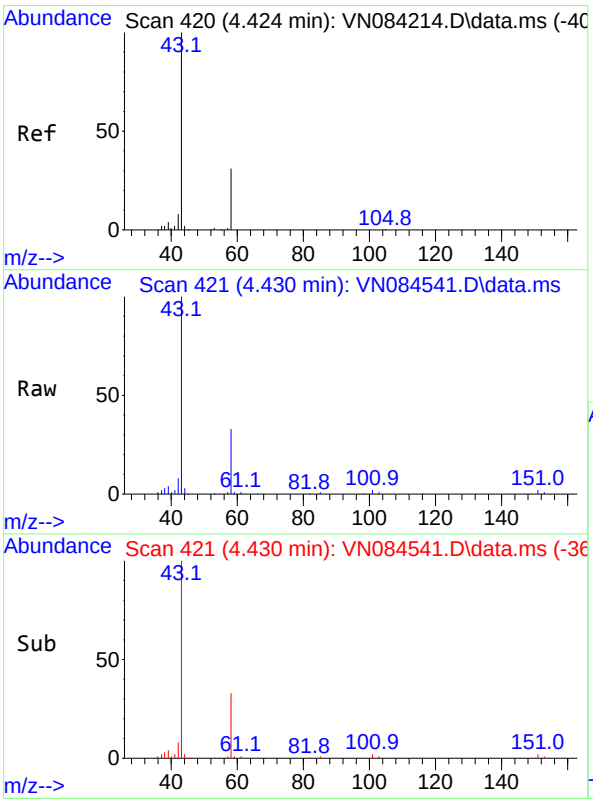
#15
Acrylonitrile
Concen: 271.928 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 53 Resp: 259448

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.9	28.8	43.2

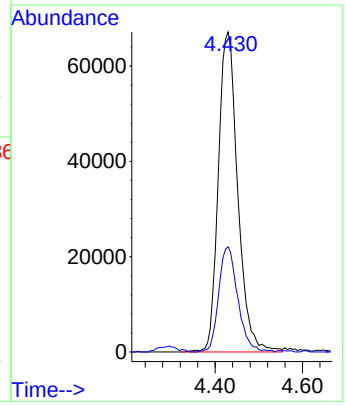


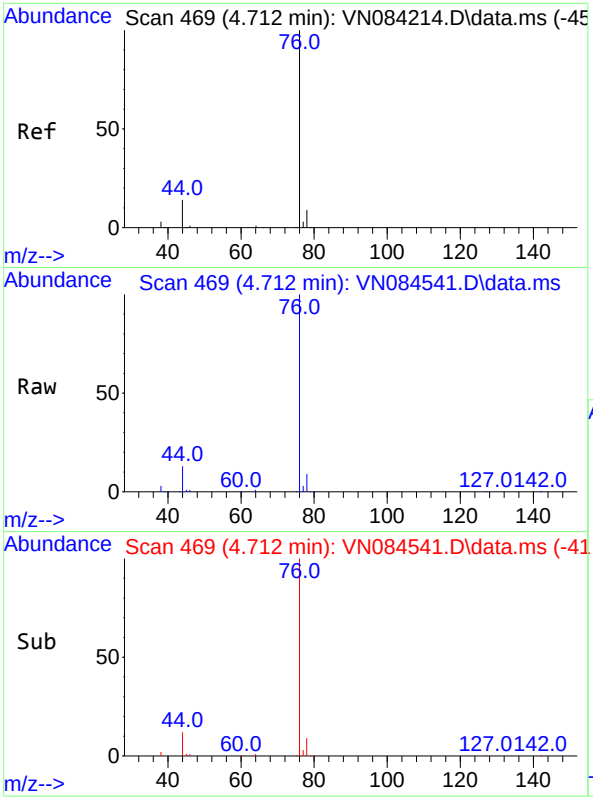


#16
Acetone
Concen: 209.796 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 206504

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.4	36.6



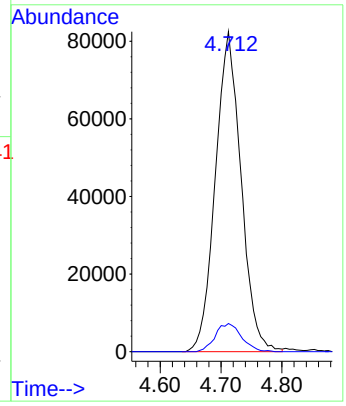


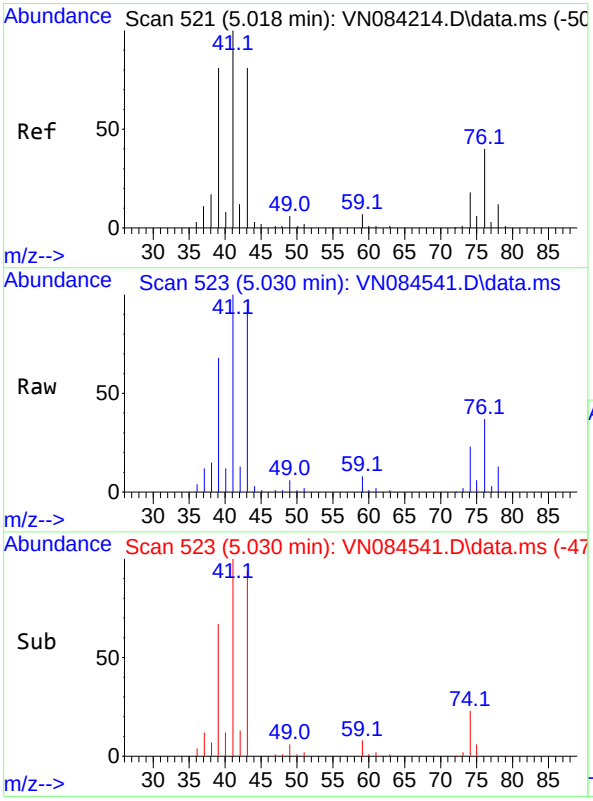
#17
Carbon Disulfide
Concen: 43.822 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 76 Resp: 241414

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

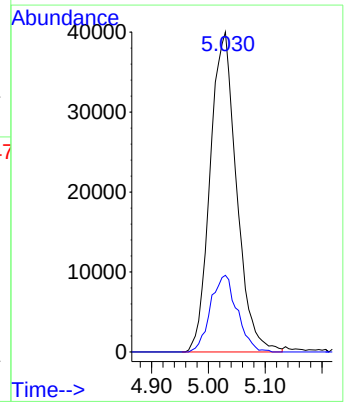


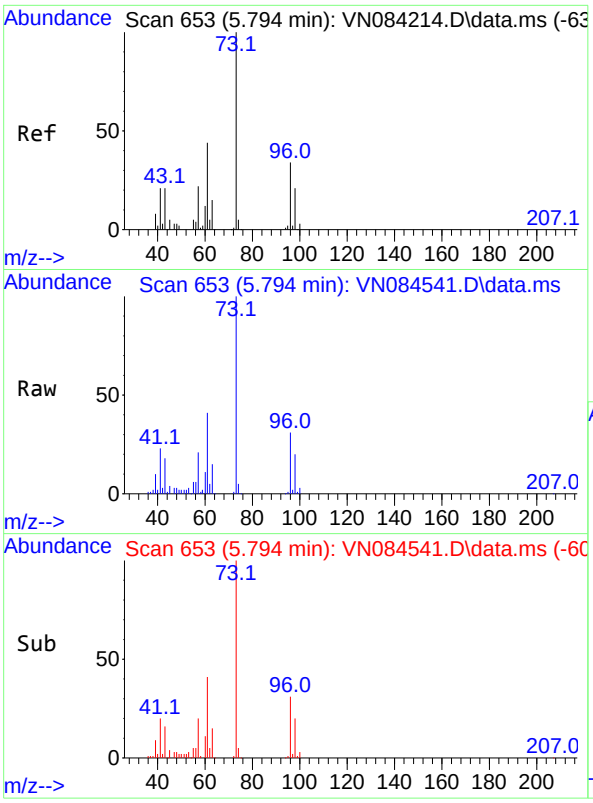


#18
Methyl Acetate
Concen: 60.169 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 129085

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



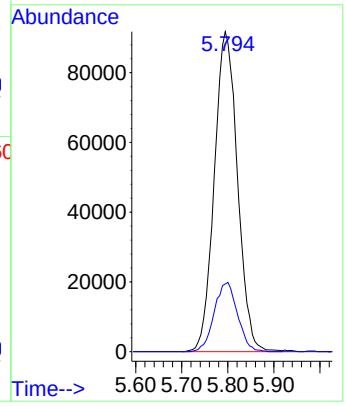


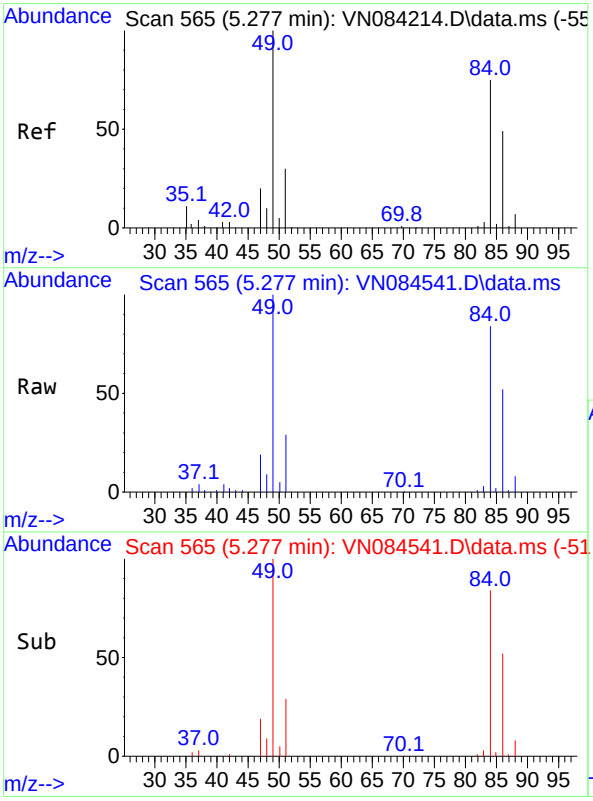
#19
Methyl tert-butyl Ether
Concen: 54.526 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 73 Resp: 320220

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

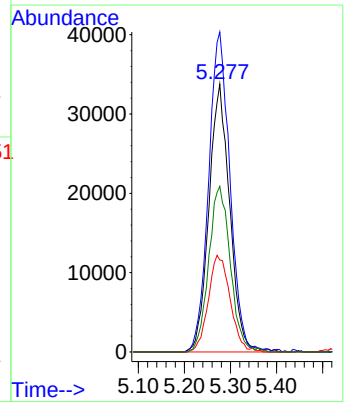


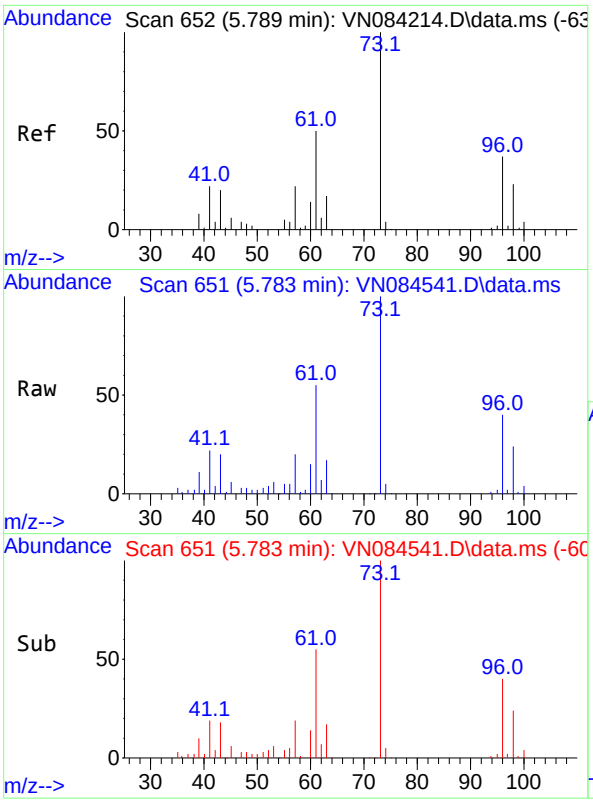


#20
Methylene Chloride
Concen: 53.170 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 84 Resp: 106388

Ion	Ratio	Lower	Upper
84	100		
49	119.4	107.2	160.8
51	34.4	31.8	47.8
86	61.8	52.9	79.3



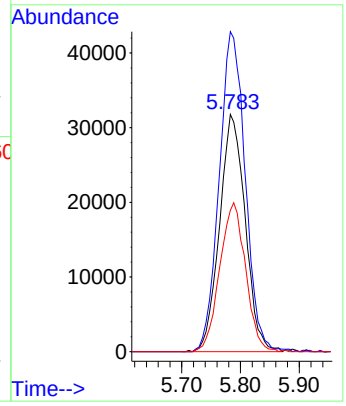


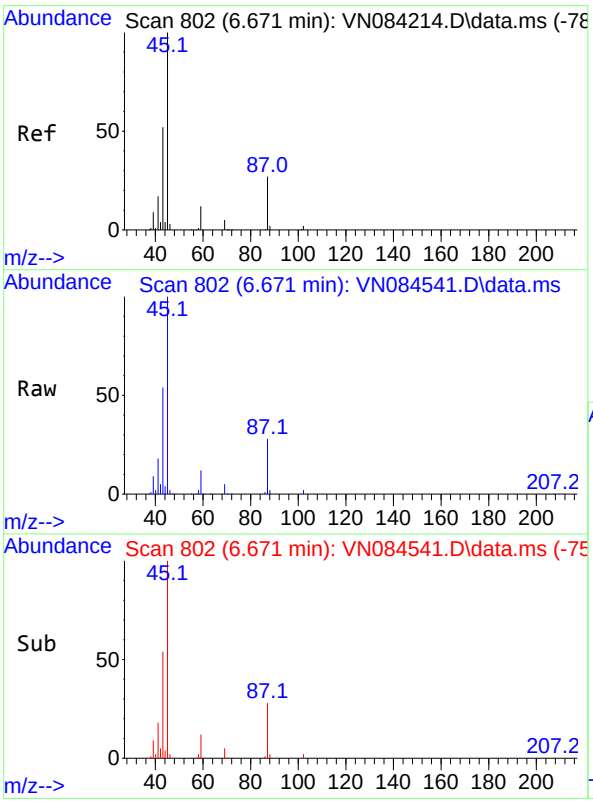
#21
trans-1,2-Dichloroethene
Concen: 52.803 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 96 Resp: 96257

Ion	Ratio	Lower	Upper
96	100		
61	134.8	108.4	162.6
98	59.6	49.8	74.8

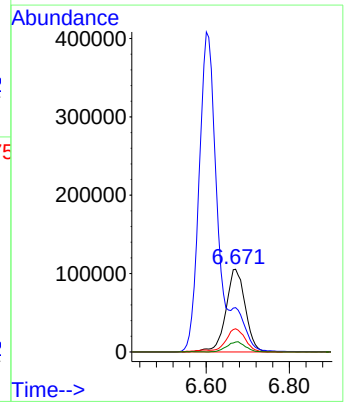


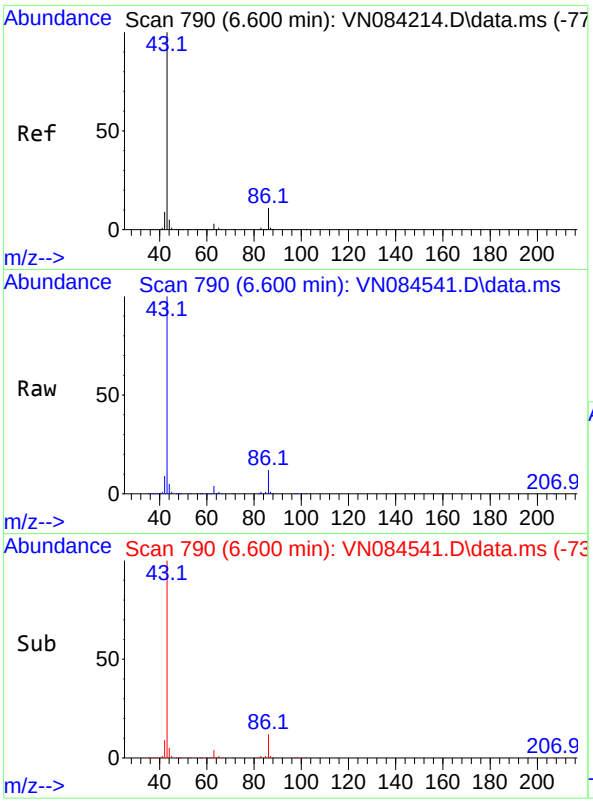


#22
Diisopropyl ether
Concen: 54.644 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 45 Resp: 341560

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	27.9	21.8	32.6
59	12.0	9.6	14.4



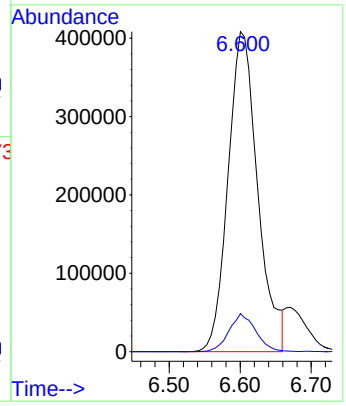


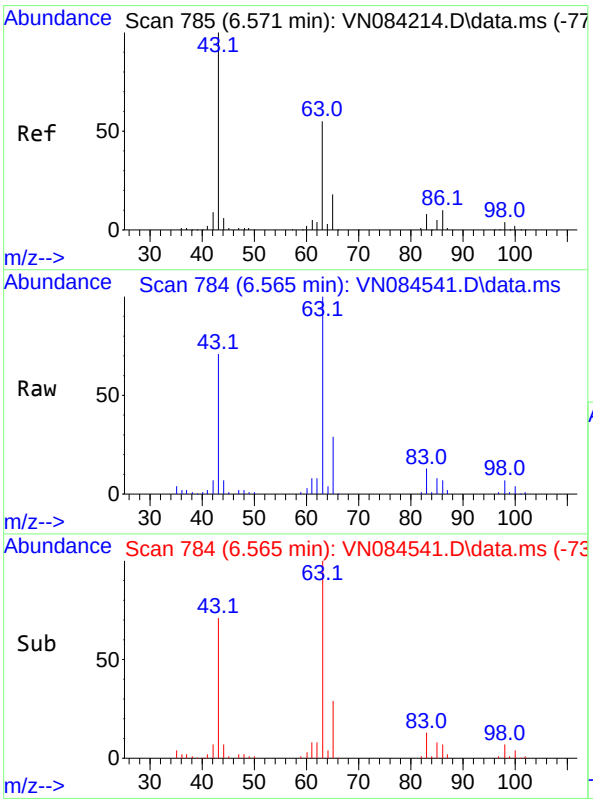
#23
Vinyl Acetate
Concen: 255.748 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 43 Resp: 1185670

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8

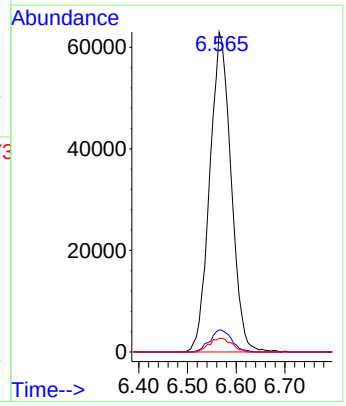


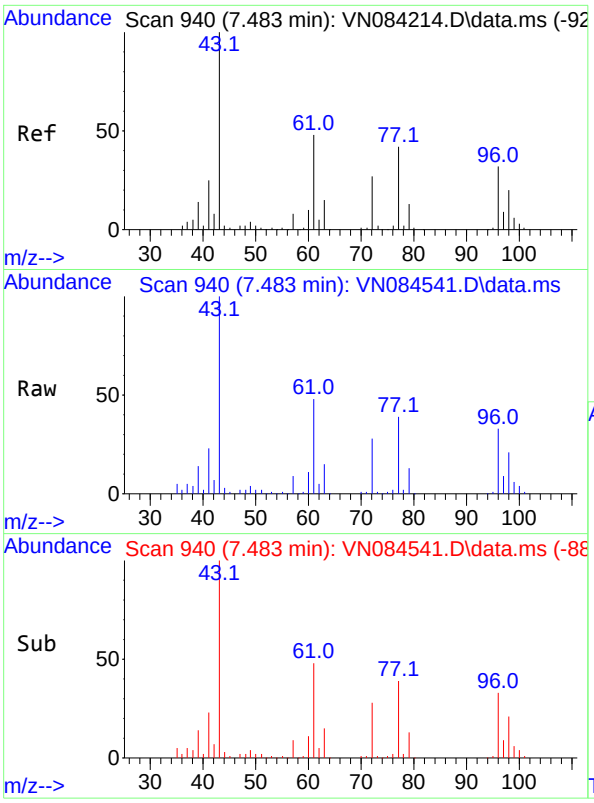


#24
1,1-Dichloroethane
Concen: 54.692 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 63 Resp: 191176

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	4.3	2.0	5.8



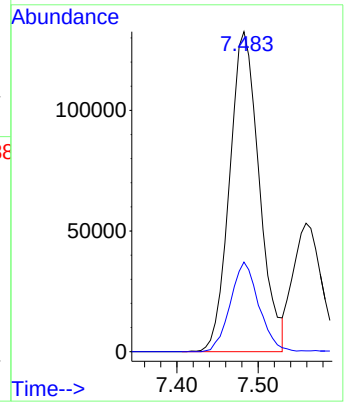


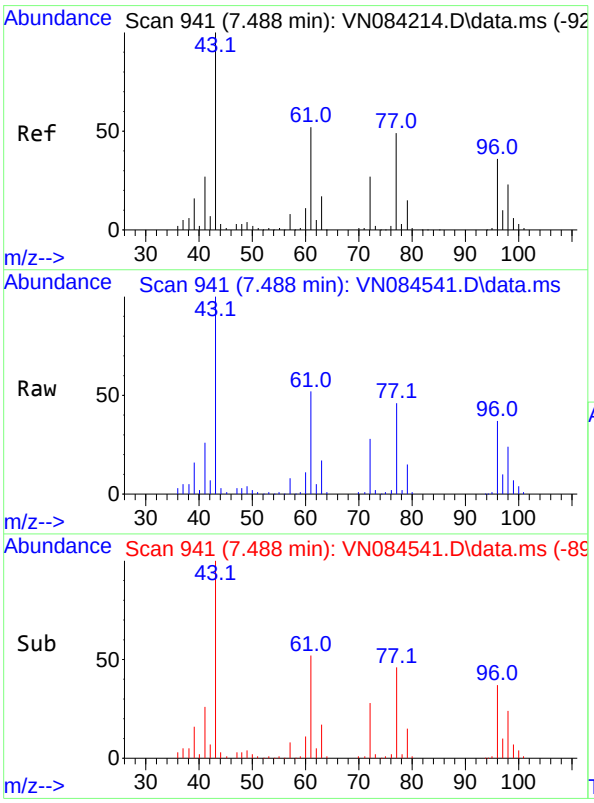
#25
2-Butanone
Concen: 251.386 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 43 Resp: 337019

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2

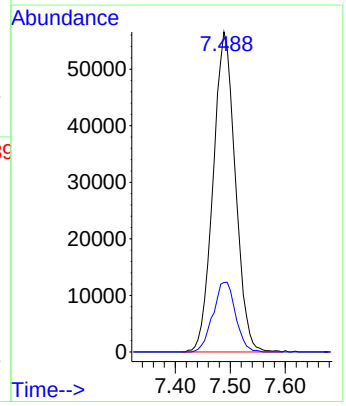


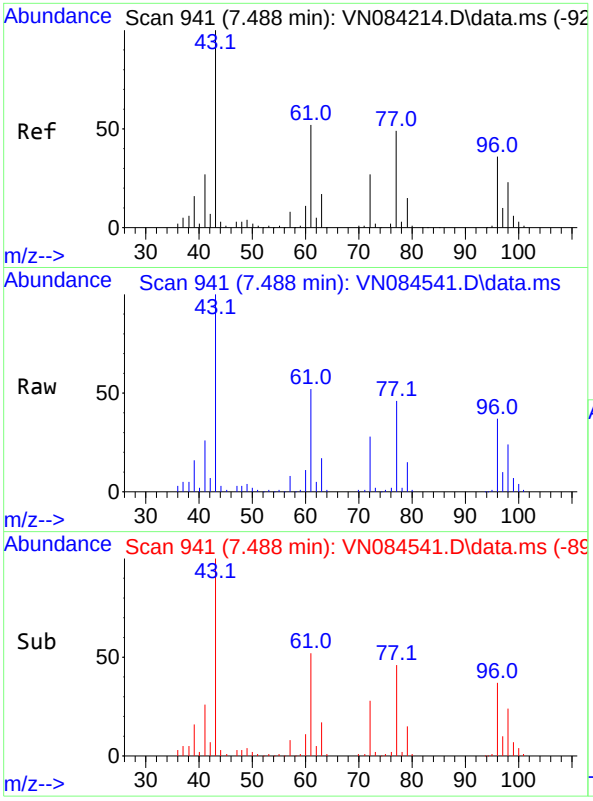


#26
2,2-Dichloropropane
Concen: 50.354 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 77 Resp: 158703

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



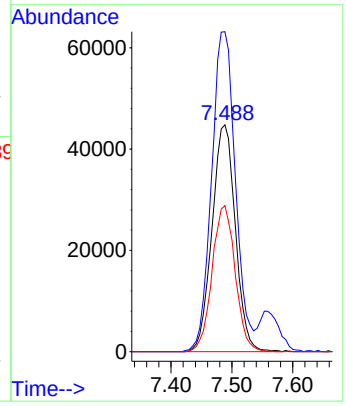


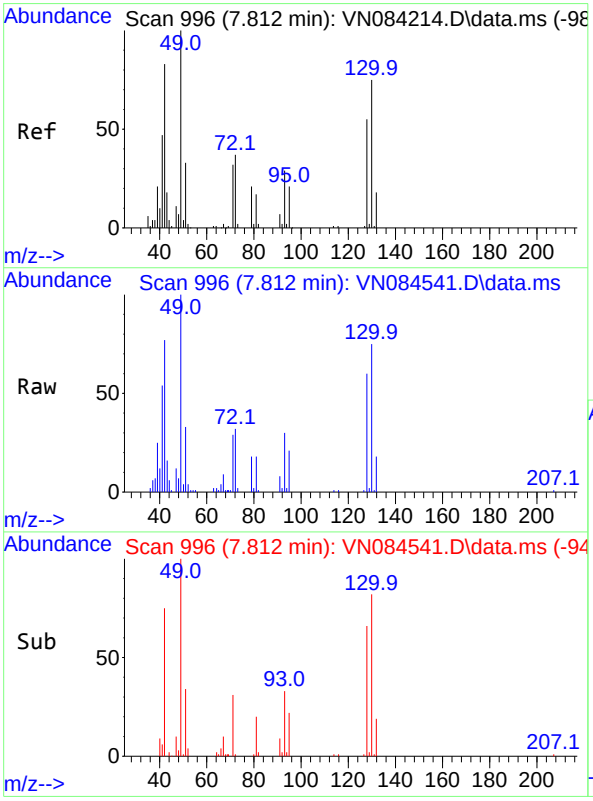
#27
cis-1,2-Dichloroethene
Concen: 54.165 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 96 Resp: 119318

Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.8
98	63.5	0.0	128.2

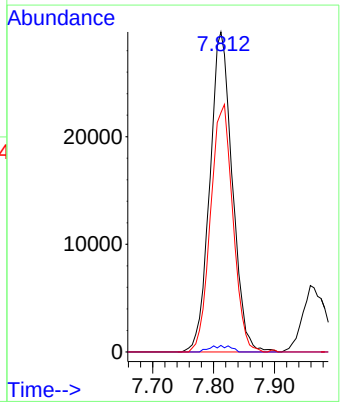


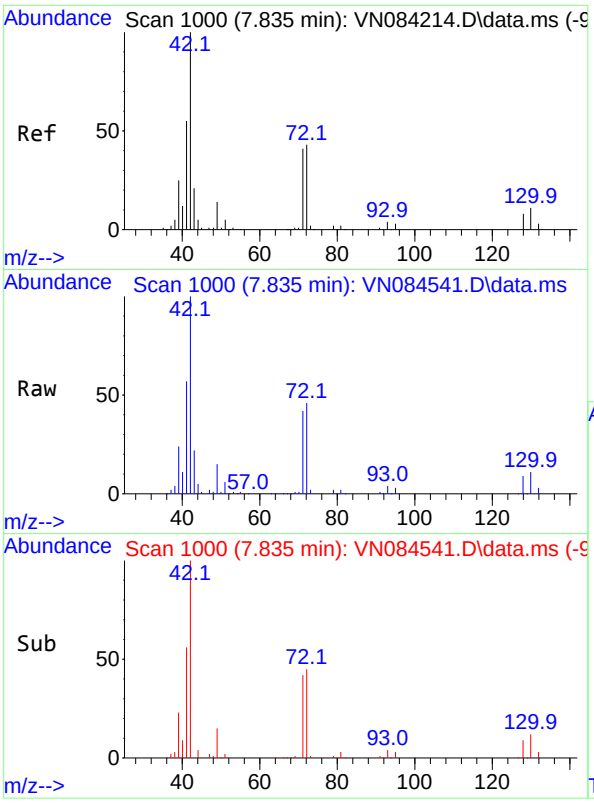


#28
Bromochloromethane
Concen: 48.901 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 49 Resp: 76267

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	76.7	58.0	87.0



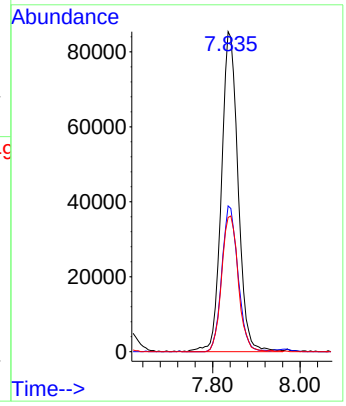


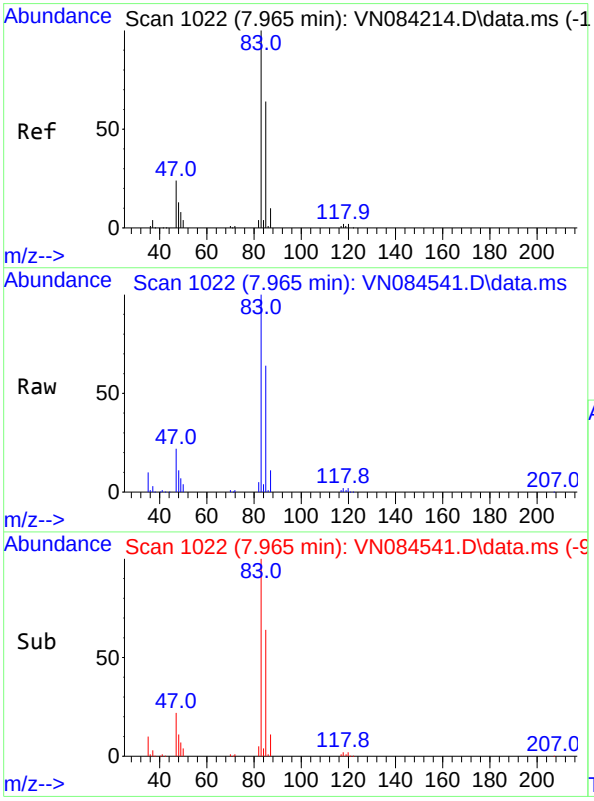
#29
Tetrahydrofuran
Concen: 271.173 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 42 Resp: 224350

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	42.4	32.2	48.4

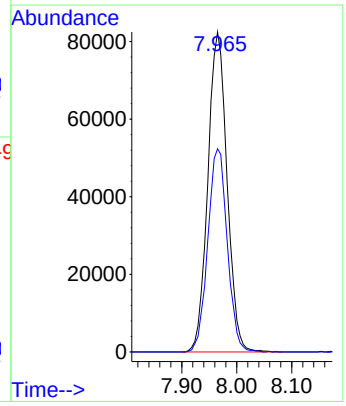


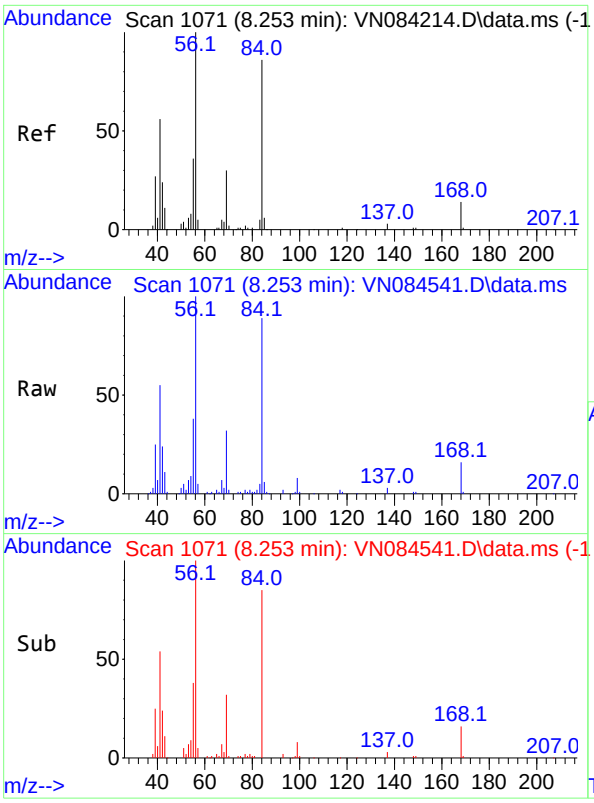


#30
Chloroform
Concen: 55.172 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 83 Resp: 200327

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4



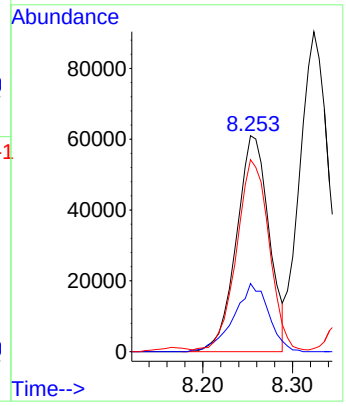


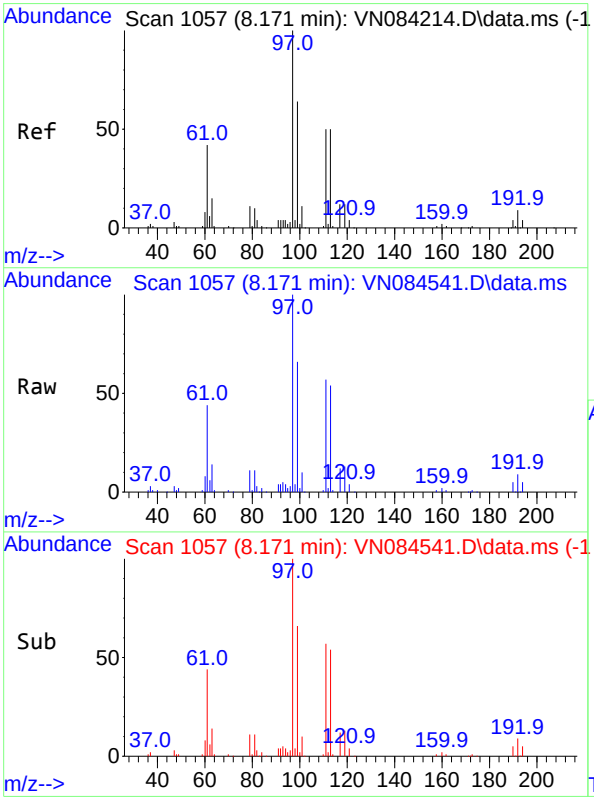
#31
Cyclohexane
Concen: 45.325 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 56 Resp: 153830

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.6
84	87.2	68.8	103.2

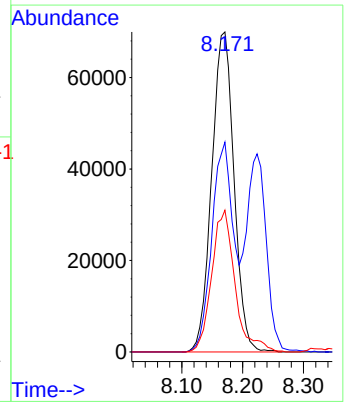


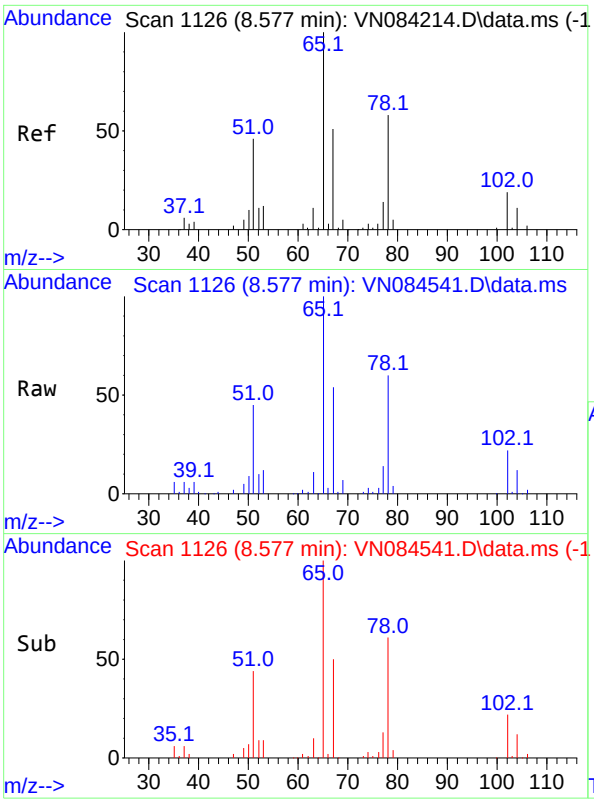


#32
1,1,1-Trichloroethane
Concen: 54.621 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 97 Resp: 178117

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	46.4	37.5	56.3



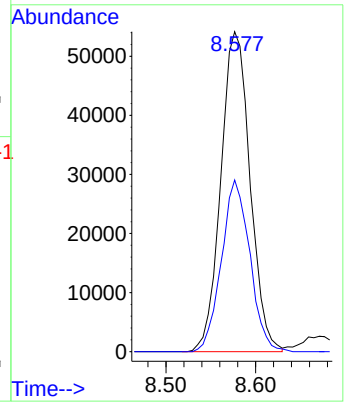


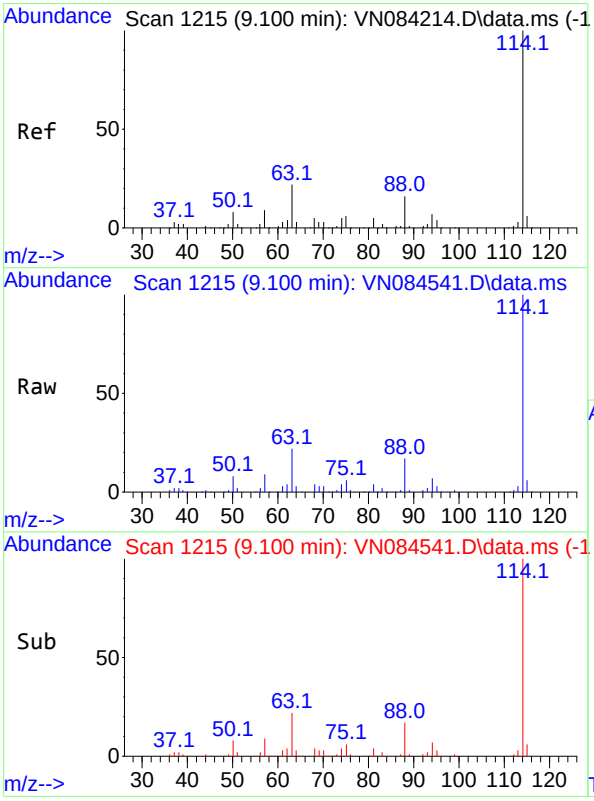
#33
1,2-Dichloroethane-d4
Concen: 53.377 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 65 Resp: 122304

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

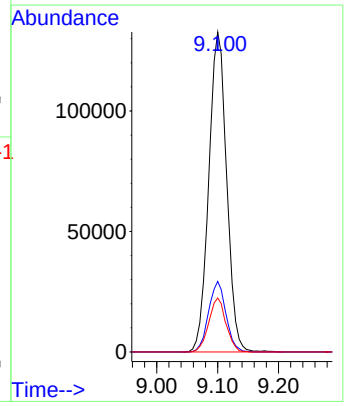


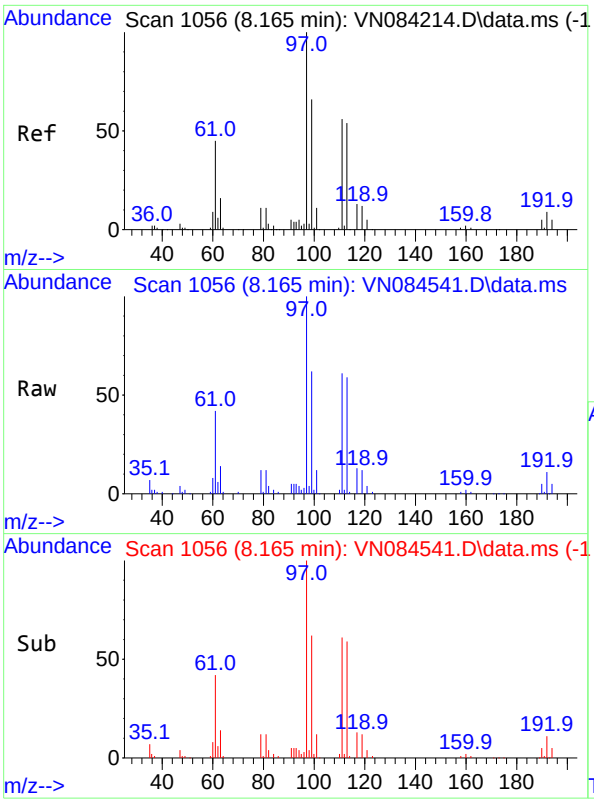


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:114 Resp: 270823

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.8	0.0	31.6



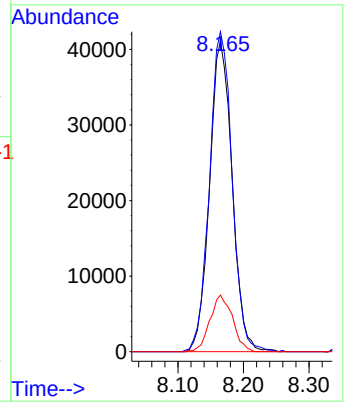


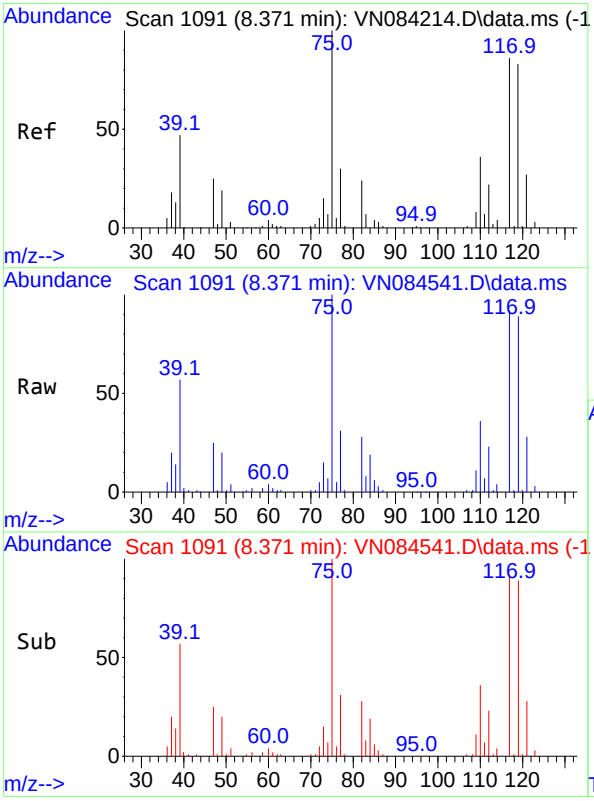
#35
Dibromofluoromethane
Concen: 54.989 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:113 Resp: 98179

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.3	13.5	20.3

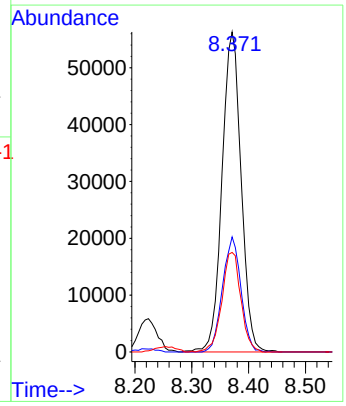


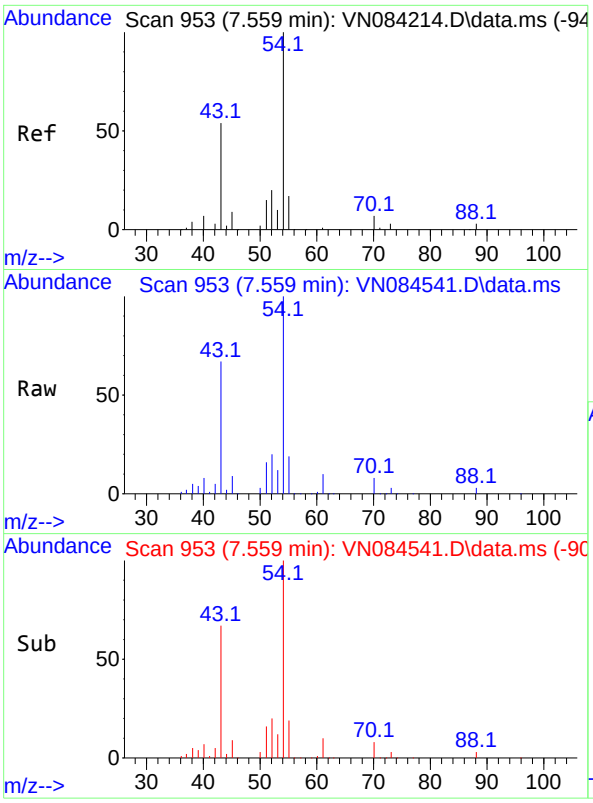


#36
1,1-Dichloropropene
Concen: 50.741 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 131591

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.7
77	31.0	24.7	37.1



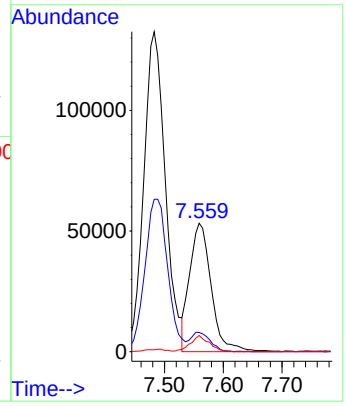


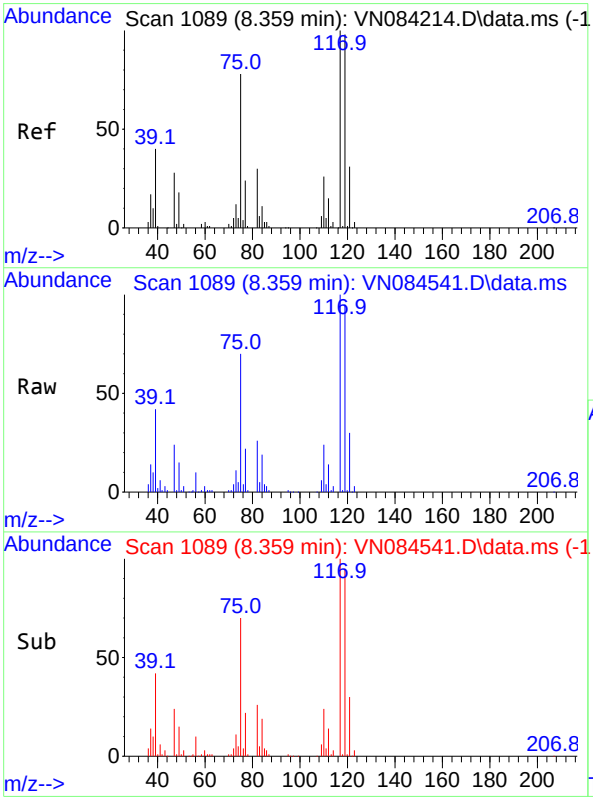
#37
Ethyl Acetate
Concen: 50.985 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 43 Resp: 135651

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.8	8.8	13.2

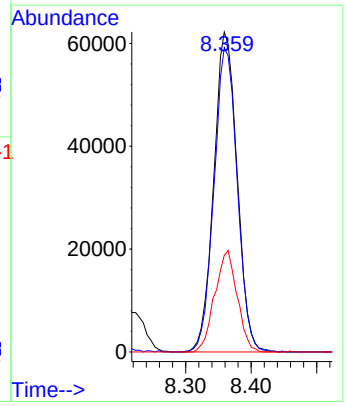


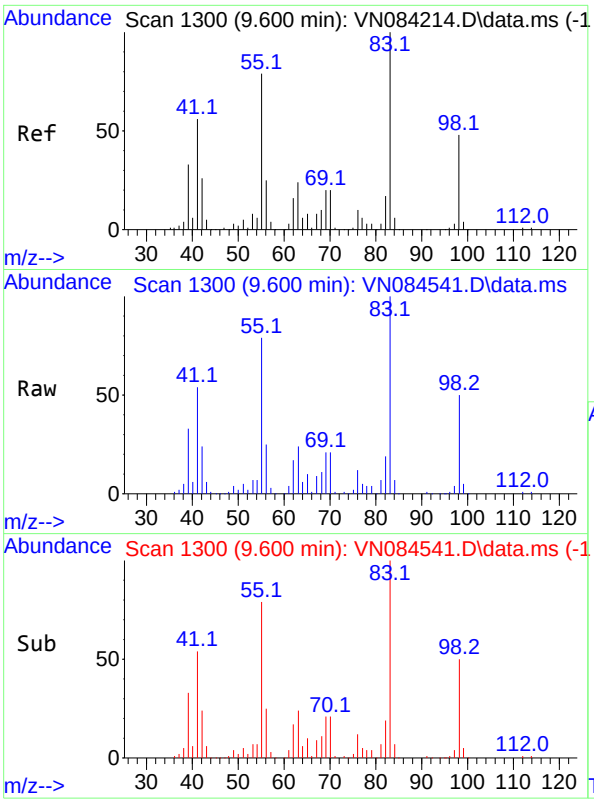


#38
Carbon Tetrachloride
Concen: 53.846 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:117 Resp: 153184

Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.7	118.1
121	30.2	24.4	36.6



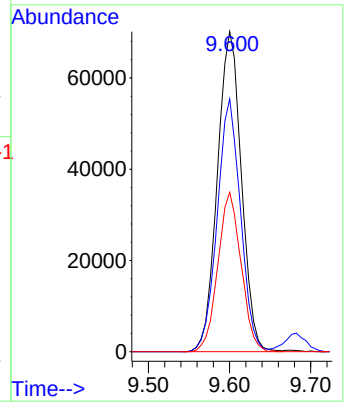


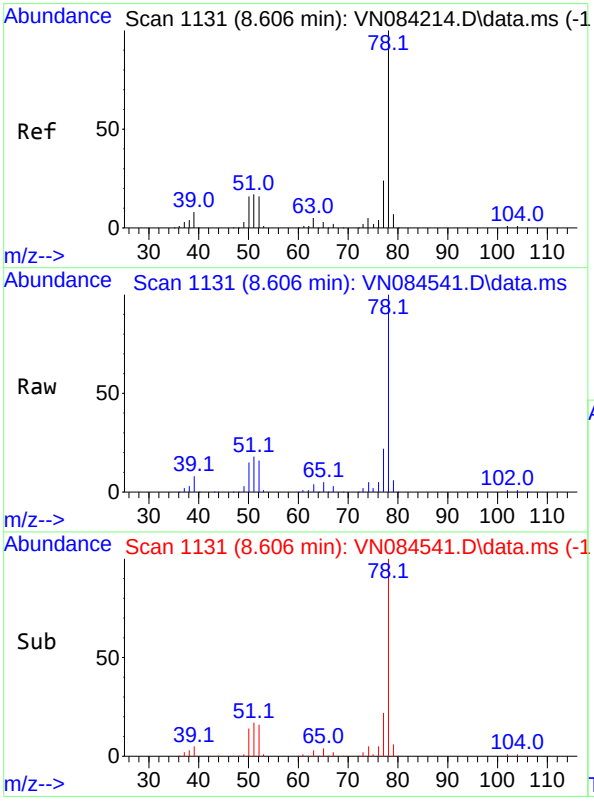
#39
Methylcyclohexane
Concen: 49.964 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 83 Resp: 144215

Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.8	94.2
98	49.8	38.8	58.2

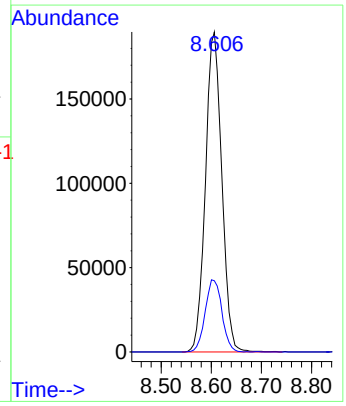


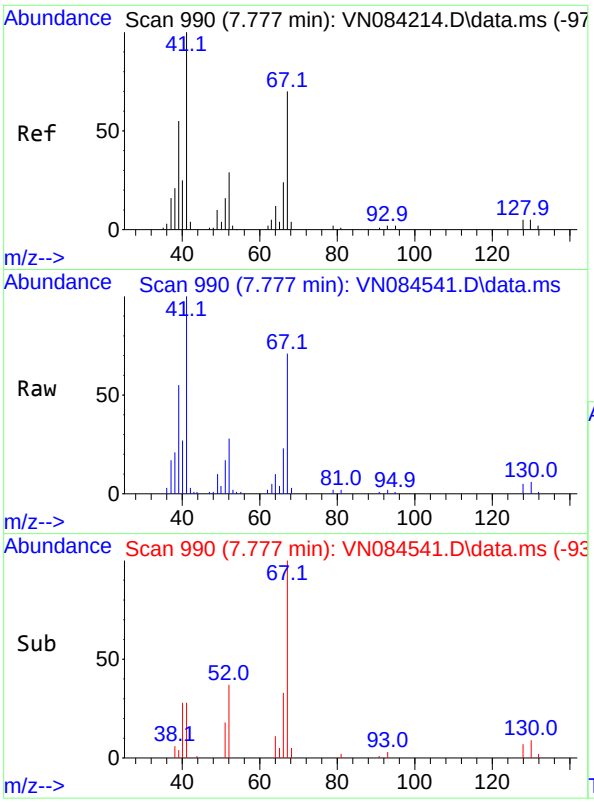


#40
Benzene
Concen: 53.157 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 78 Resp: 429517

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.1	28.7



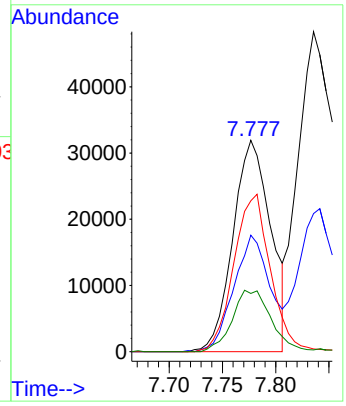


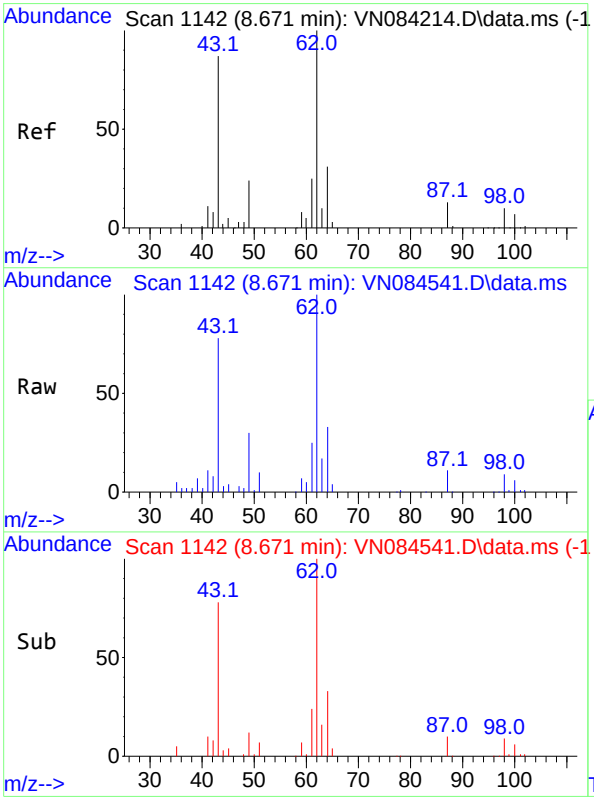
#41
Methacrylonitrile
Concen: 54.654 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 41 Resp: 78943

Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.3	64.9
67	72.4	56.1	84.1
52	29.9	24.5	36.7

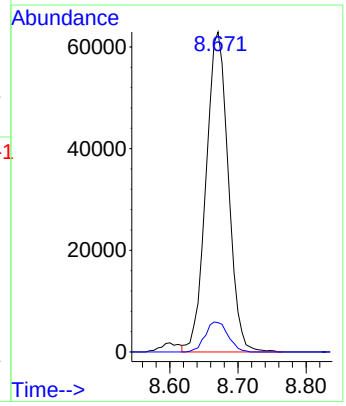


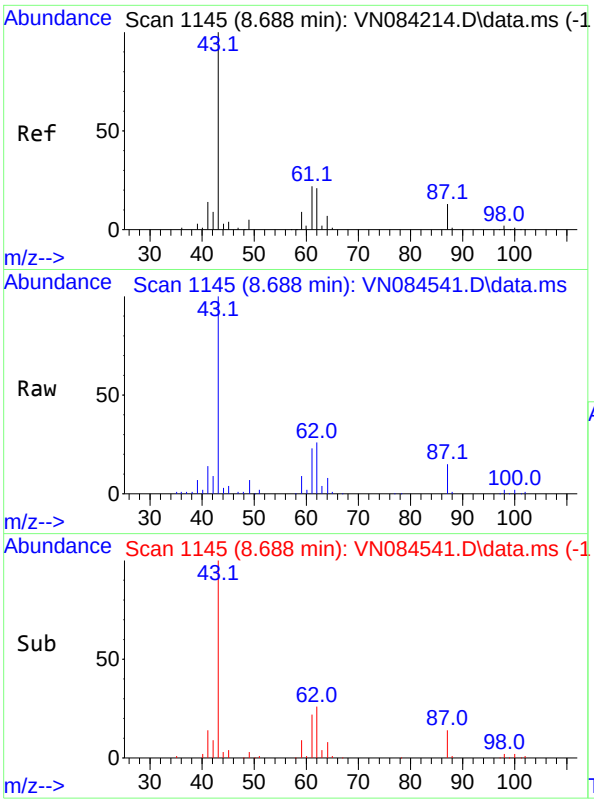


#42
1,2-Dichloroethane
Concen: 52.270 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



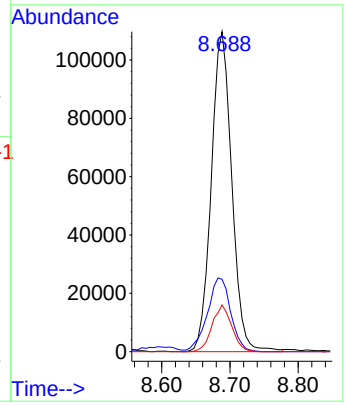


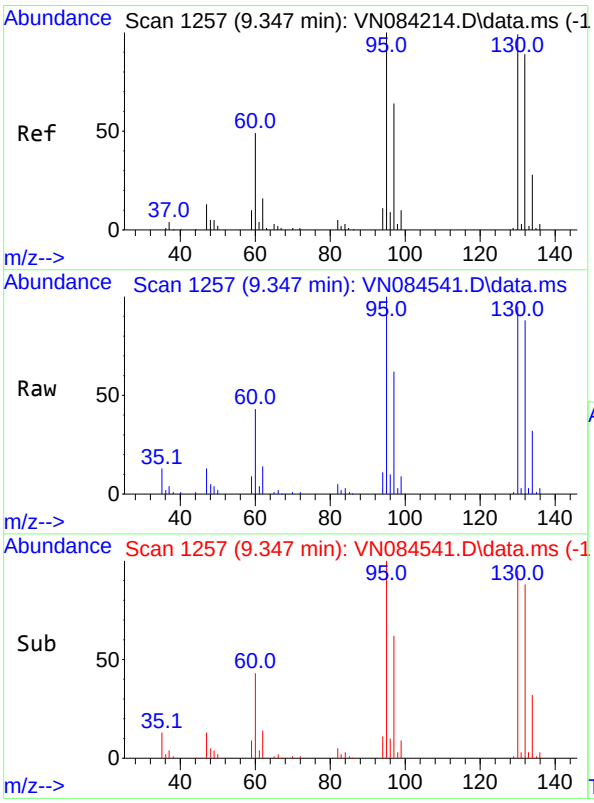
#43
Isopropyl Acetate
Concen: 43.990 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 43 Resp: 229248

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.4	30.6
87	13.9	10.3	15.5

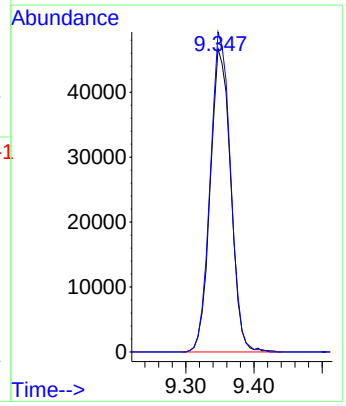


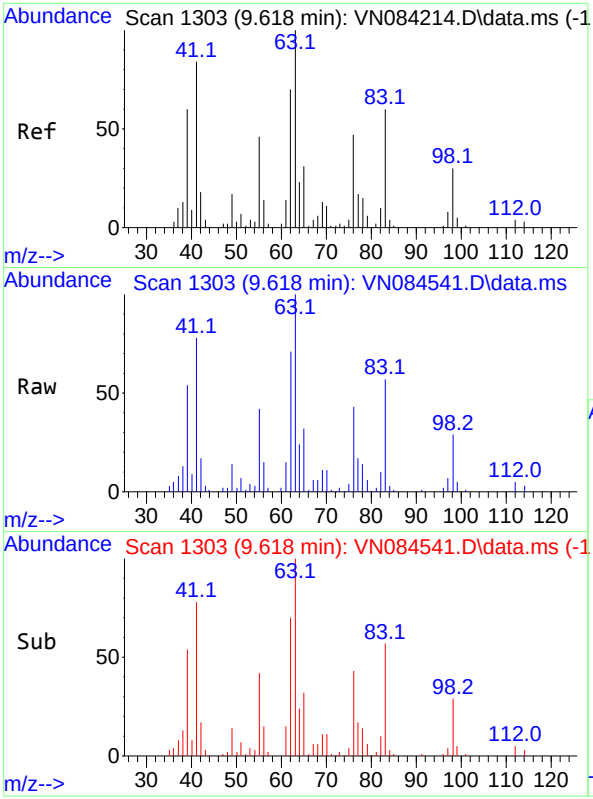


#44
Trichloroethene
Concen: 51.599 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:130 Resp: 97377

Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	203.0



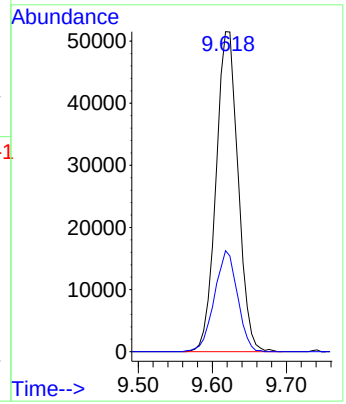


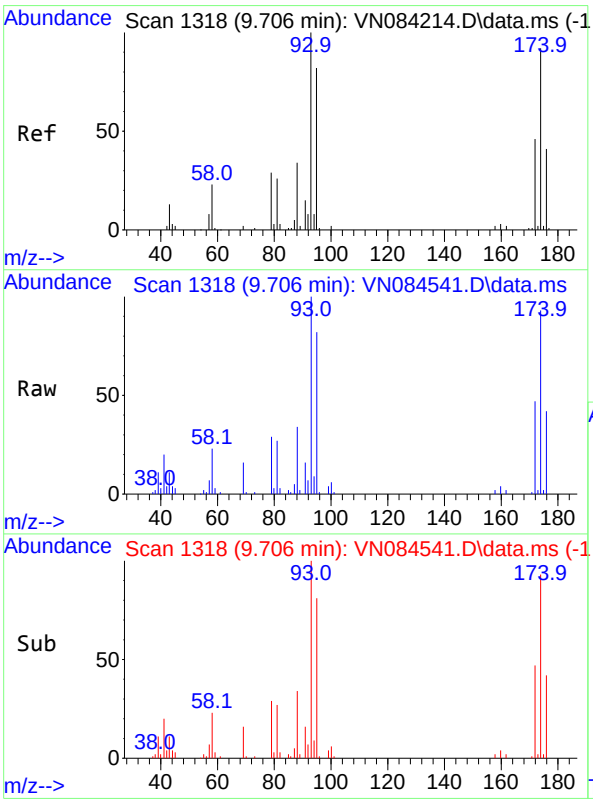
#45
1,2-Dichloropropane
Concen: 55.763 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 63 Resp: 106589

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	37.0

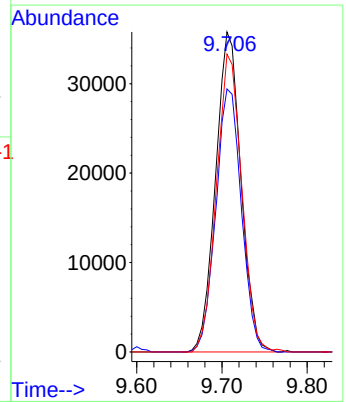


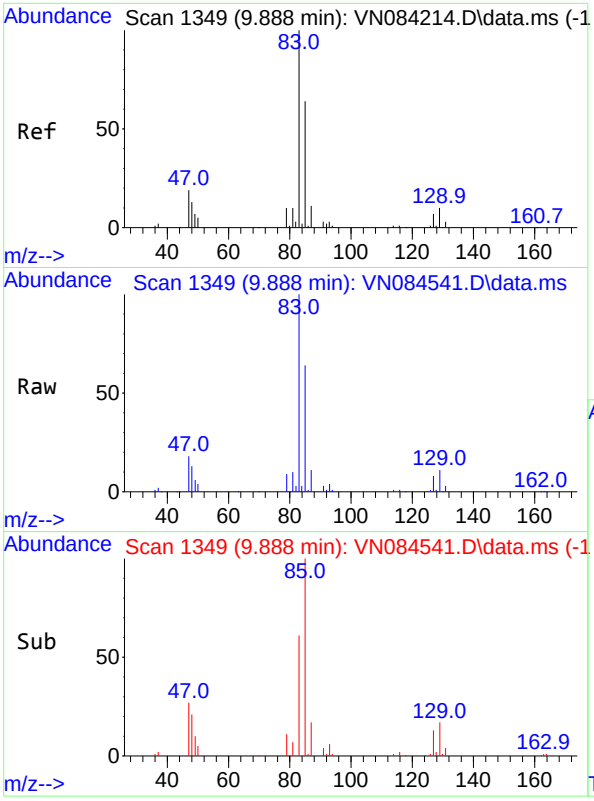


#46
Dibromomethane
Concen: 57.393 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 93 Resp: 74032

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.4
174	92.9	71.8	107.8



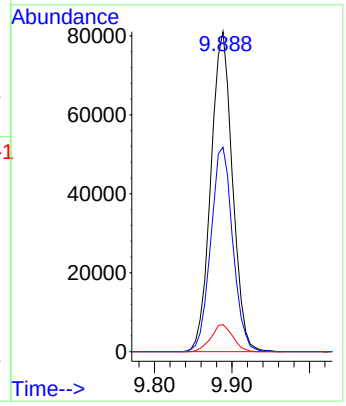


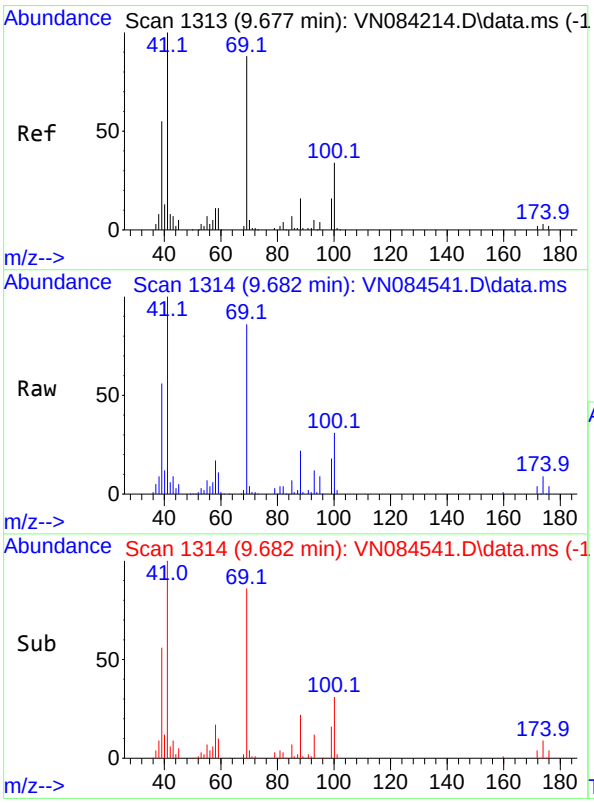
#47
Bromodichloromethane
Concen: 54.719 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 83 Resp: 156816

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	8.4	5.7	8.5

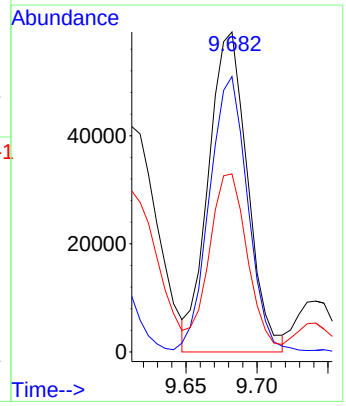


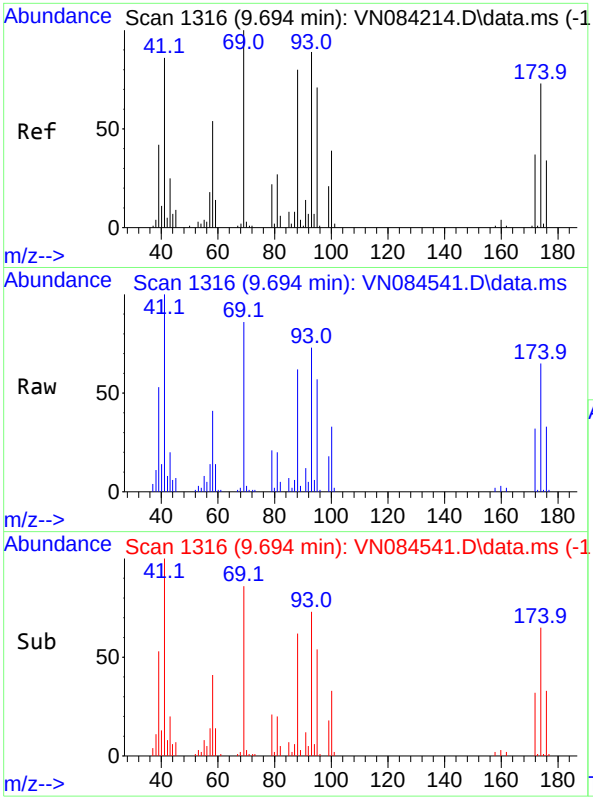


#48
Methyl methacrylate
Concen: 54.567 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 41 Resp: 113200

Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.1	100.7
39	55.5	45.8	68.6



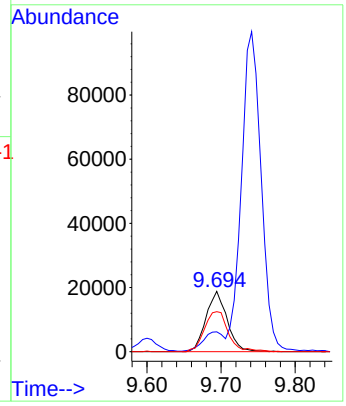


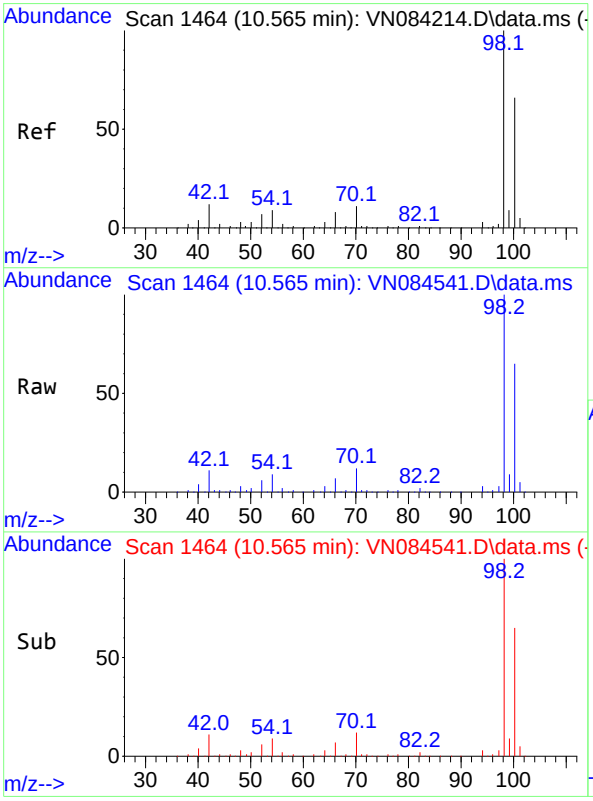
#49
1,4-Dioxane
Concen: 975.420 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 88 Resp: 37253

Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.3	37.9
58	75.4	56.4	84.6

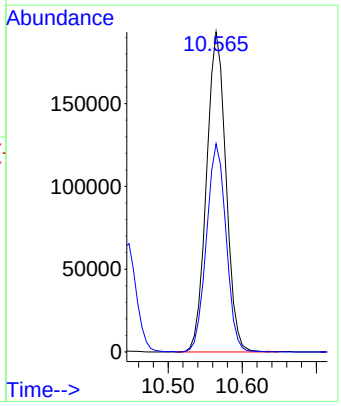


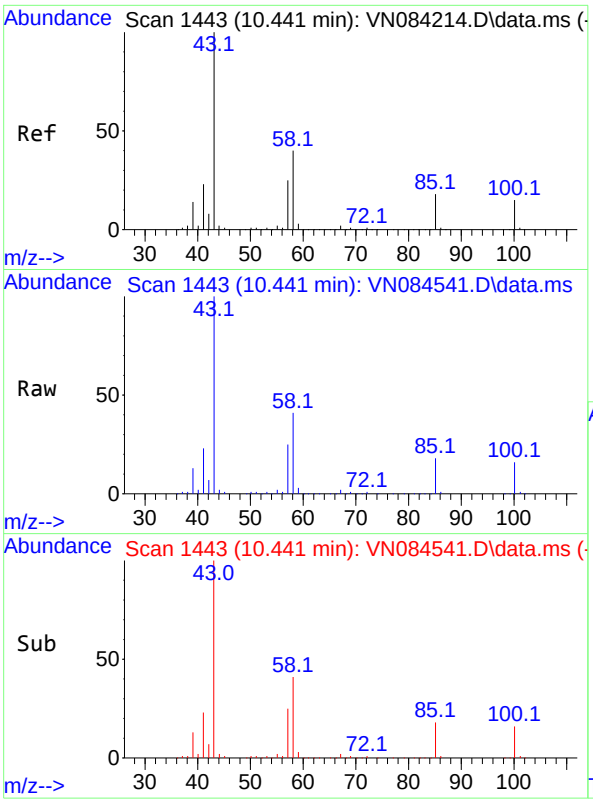


#50
Toluene-d8
Concen: 53.605 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 98 Resp: 352123

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



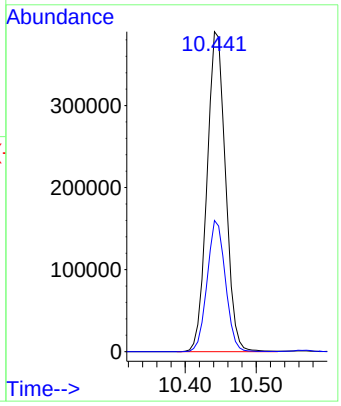


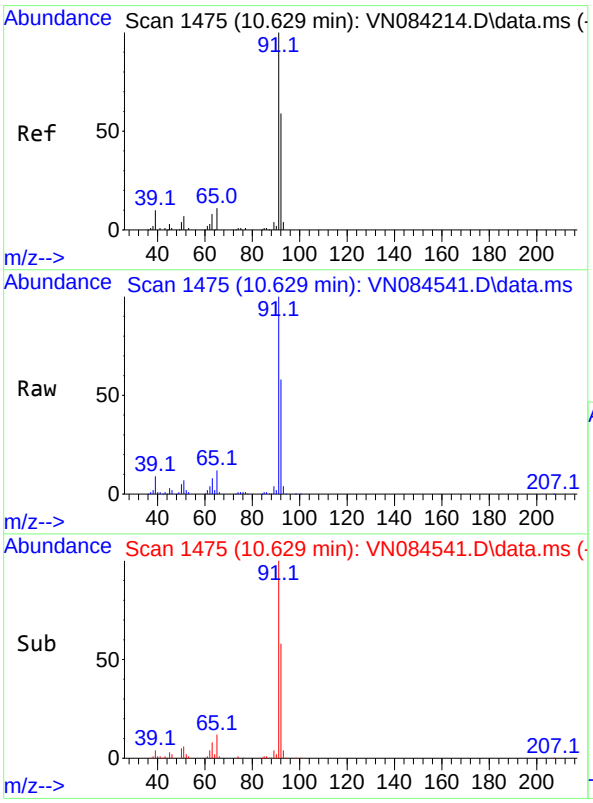
#51
4-Methyl-2-Pentanone
Concen: 278.946 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 43 Resp: 706513

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4

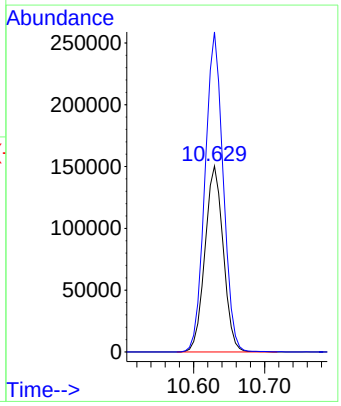


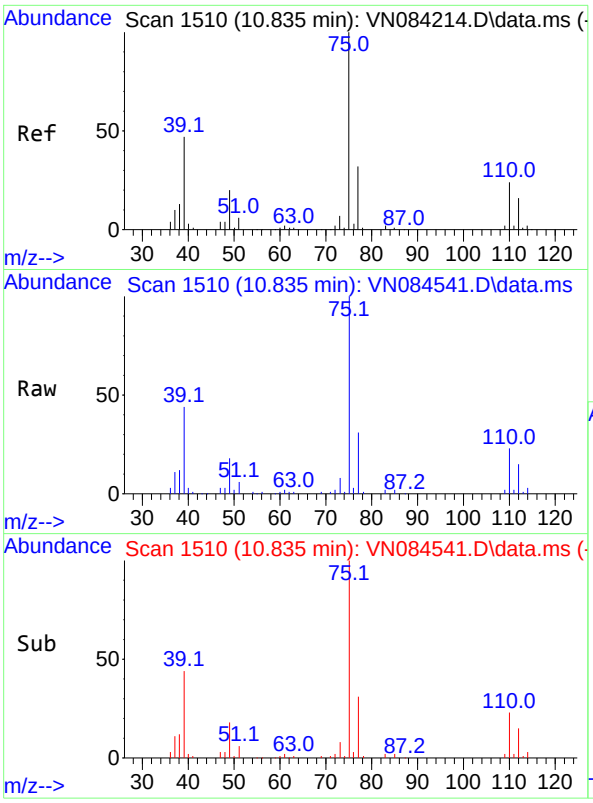


#52
Toluene
Concen: 54.709 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 92 Resp: 269566

Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.3	205.9



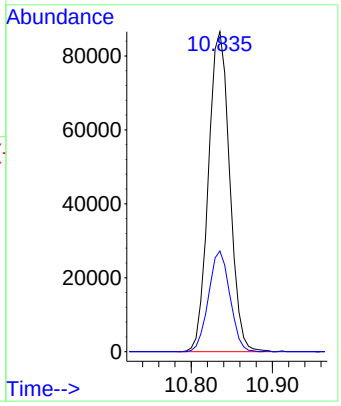


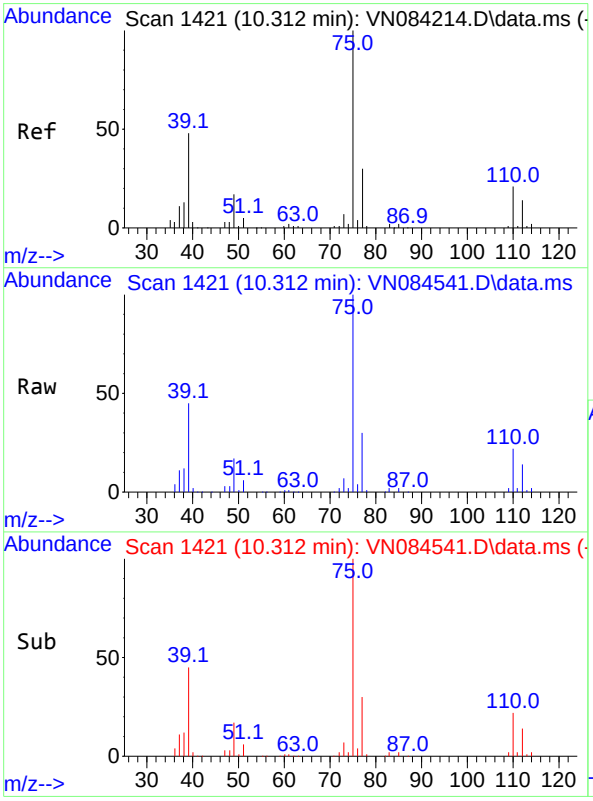
#53
t-1,3-Dichloropropene
Concen: 53.835 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 75 Resp: 157268

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

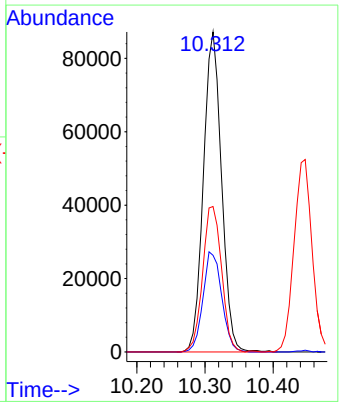


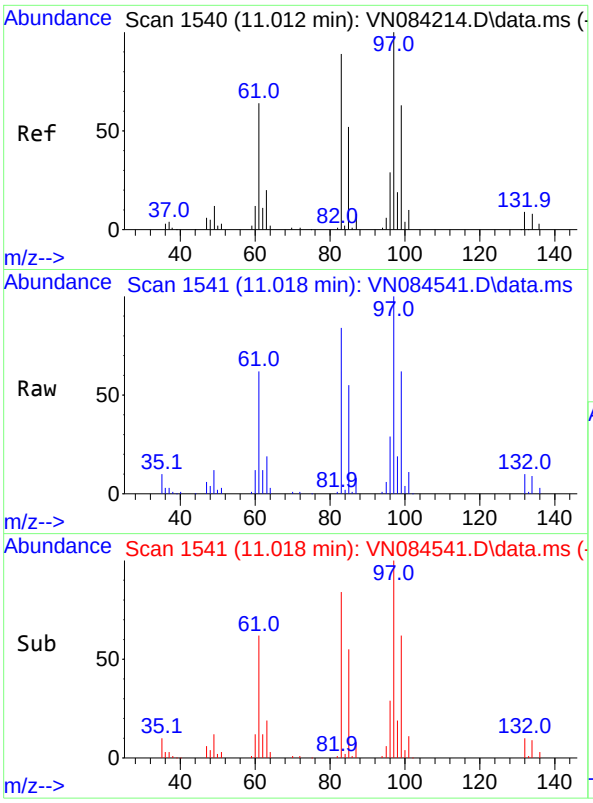


#54
cis-1,3-Dichloropropene
Concen: 51.335 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 161305

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2
39	45.4	38.7	58.1



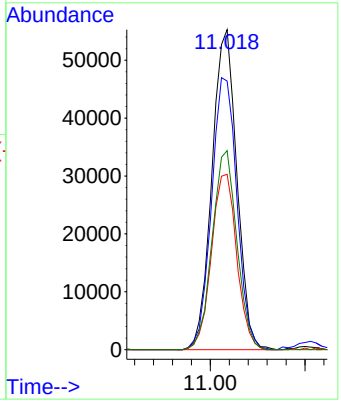


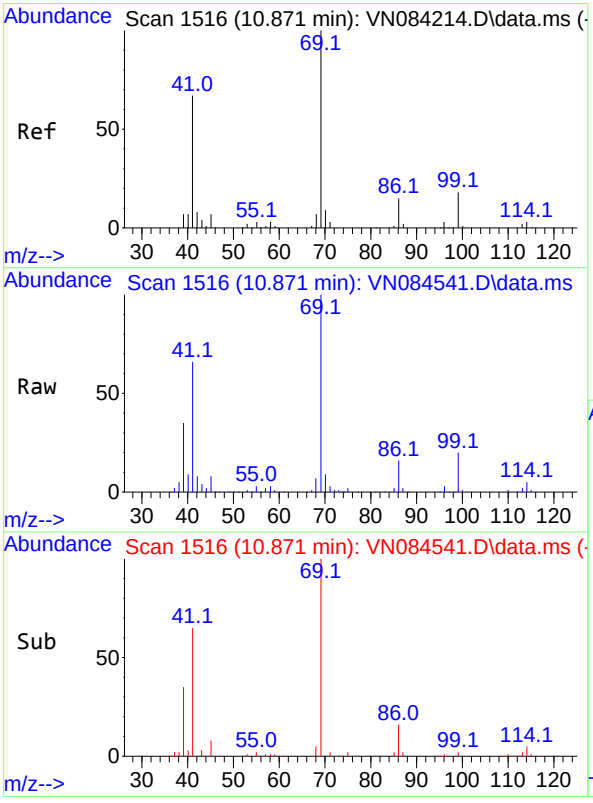
#55
1,1,2-Trichloroethane
Concen: 57.093 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 97 Resp: 100849

Ion	Ratio	Lower	Upper
97	100		
83	84.0	71.0	106.4
85	54.8	41.7	62.5
99	62.2	50.1	75.1

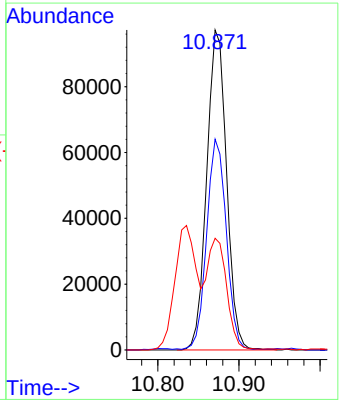


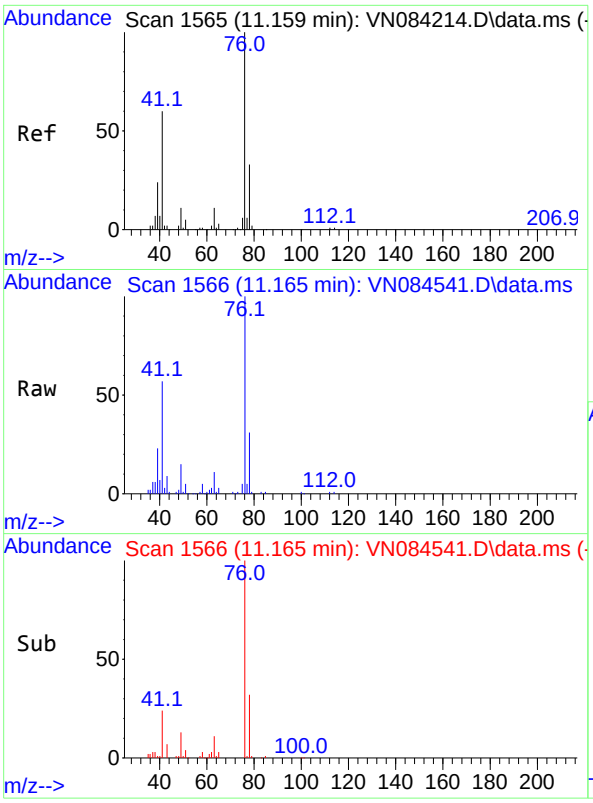


#56
Ethyl methacrylate
Concen: 56.761 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 69 Resp: 164976

Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.3	79.9
39	34.6	28.8	43.2



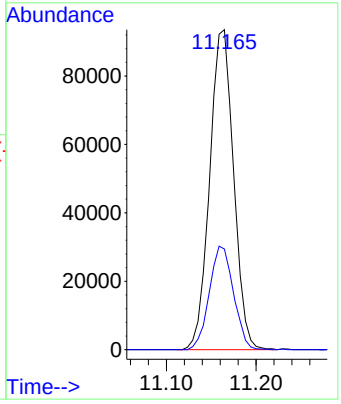


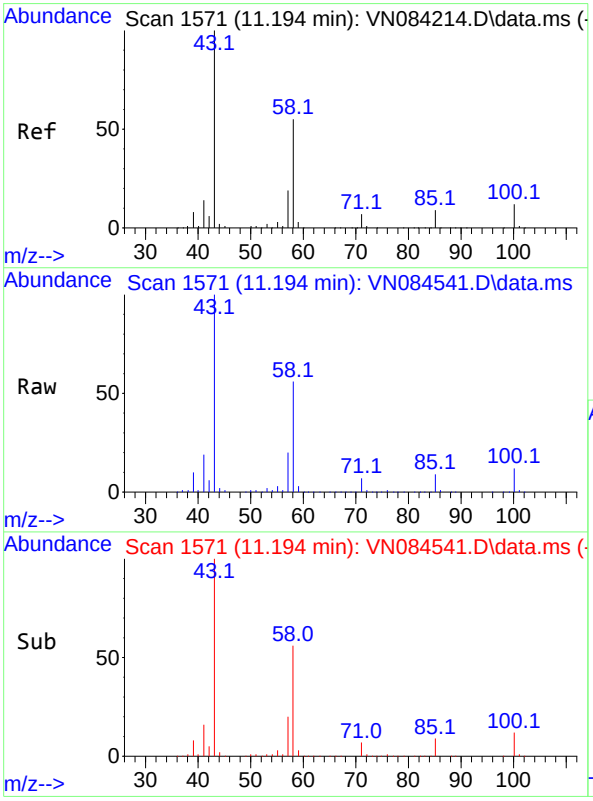
#57
1,3-Dichloropropane
Concen: 54.852 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 76 Resp: 173131

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

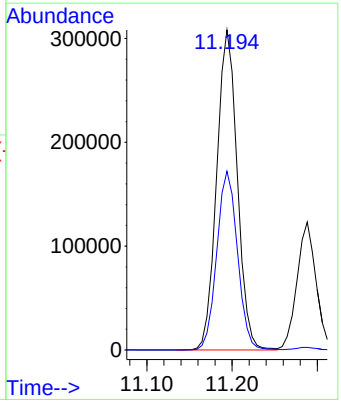


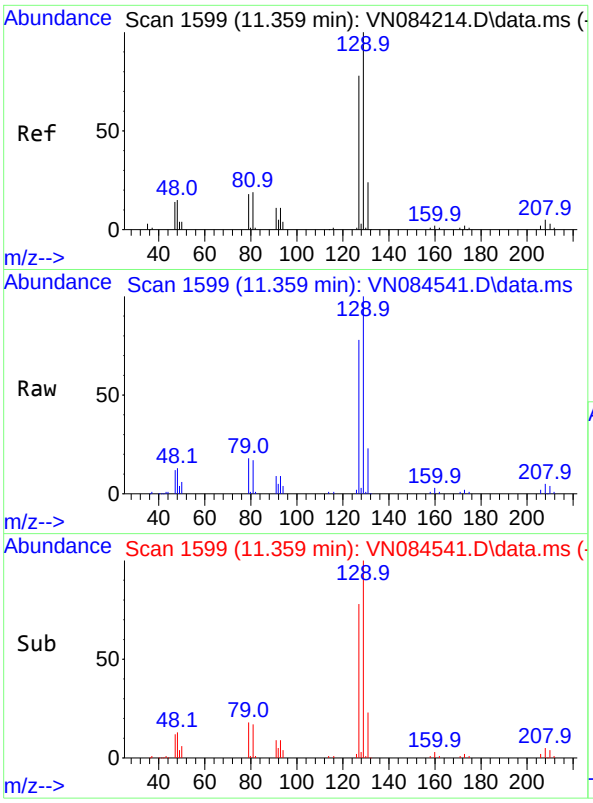


#59
2-Hexanone
Concen: 273.701 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 43 Resp: 518127

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8



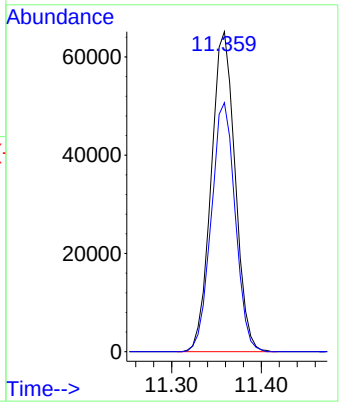


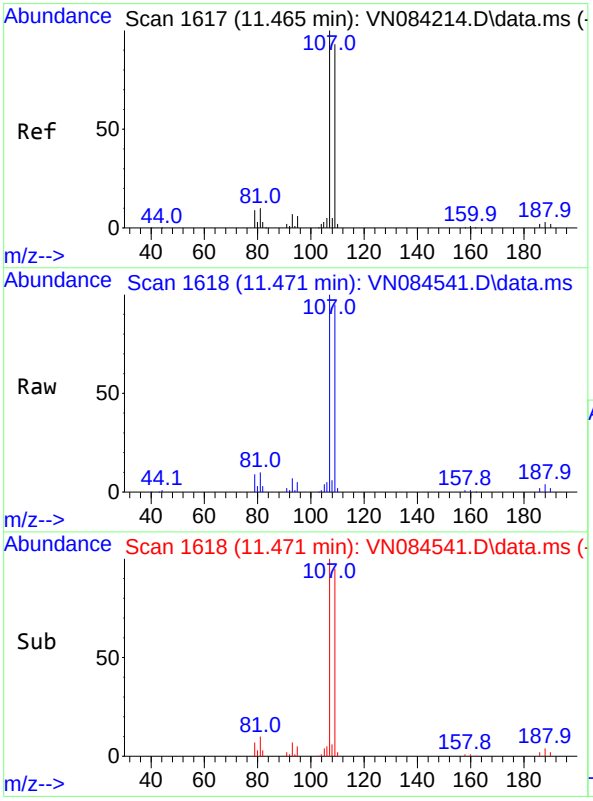
#60
Dibromochloromethane
Concen: 57.772 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:129 Resp: 120574

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.3	114.9

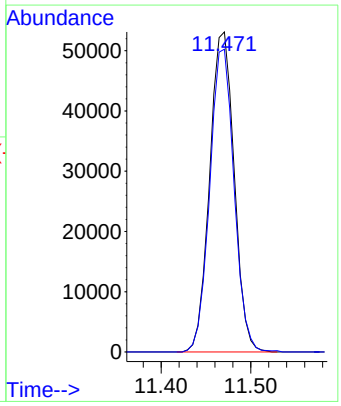


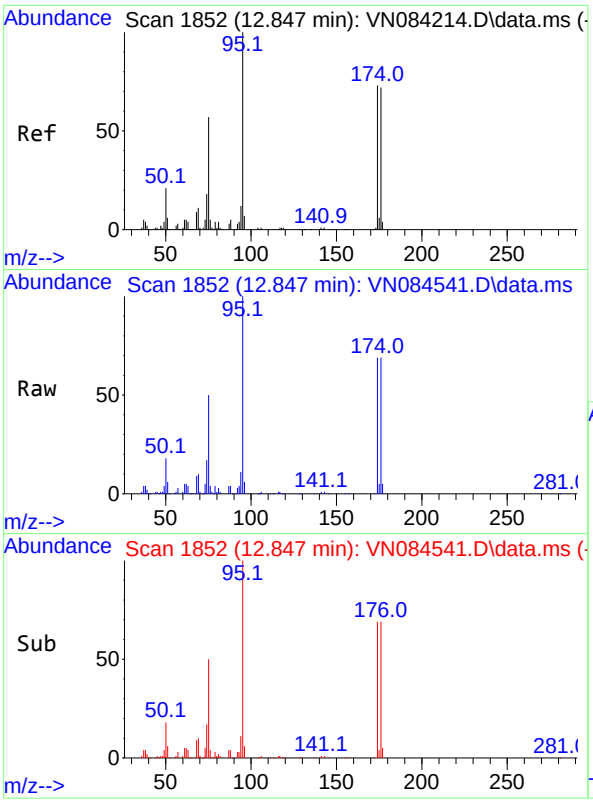


#61
1,2-Dibromoethane
Concen: 54.769 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:107 Resp: 100524

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



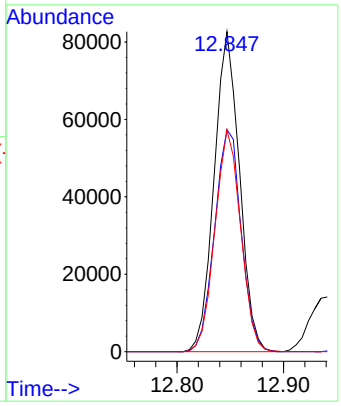


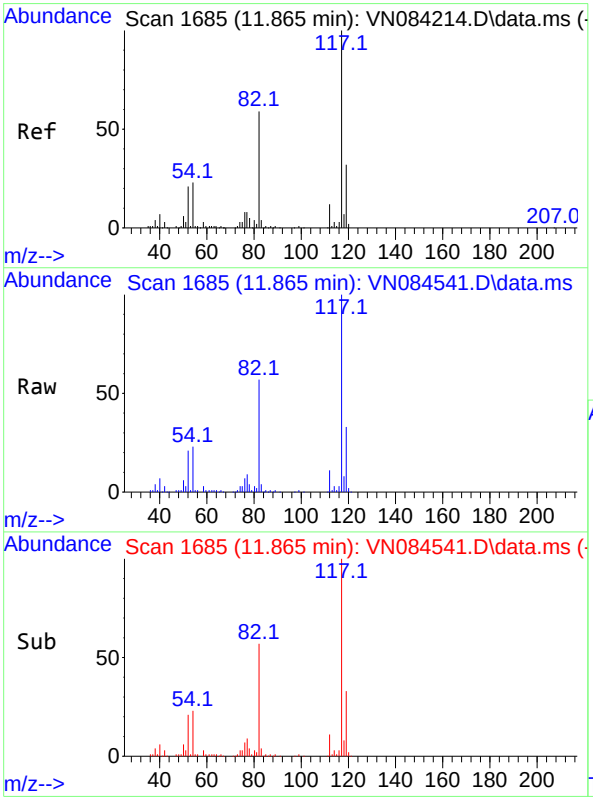
#62
4-Bromofluorobenzene
Concen: 56.994 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 95 Resp: 136392

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.3	0.0	140.0

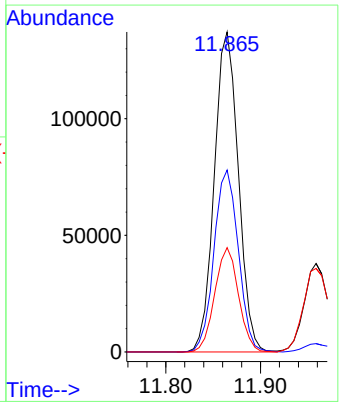


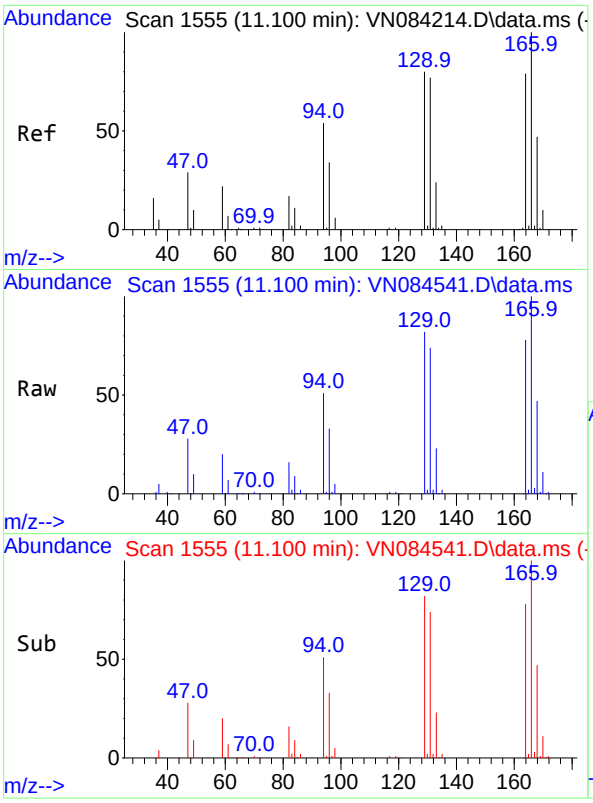


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:117 Resp: 242254

Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.2	70.8
119	32.6	25.4	38.0



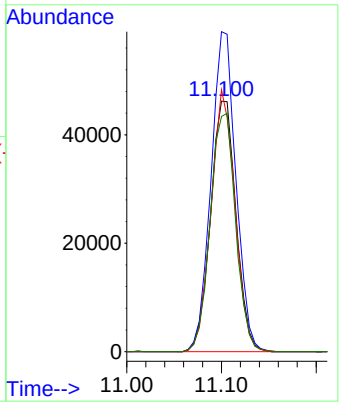


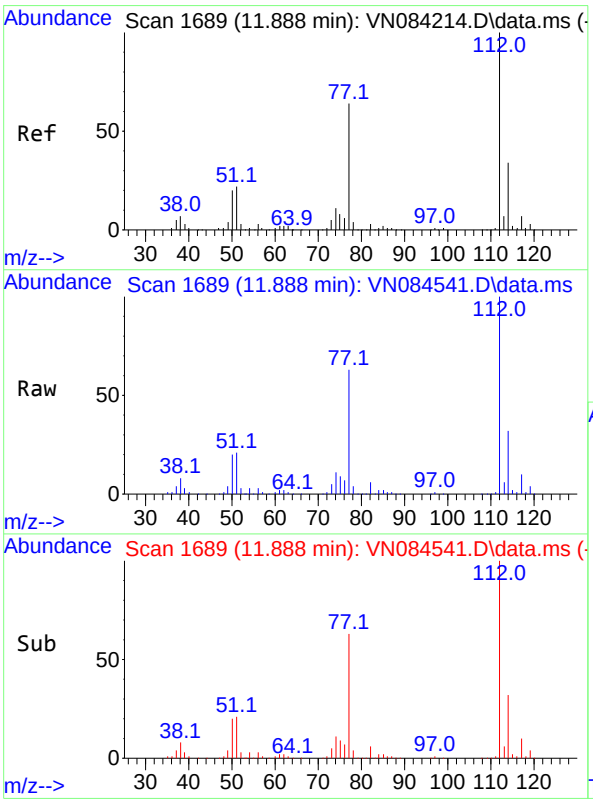
#64
Tetrachloroethene
Concen: 51.220 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:164 Resp: 86425

Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.0	151.4
129	104.5	80.8	121.2
131	93.9	78.1	117.1

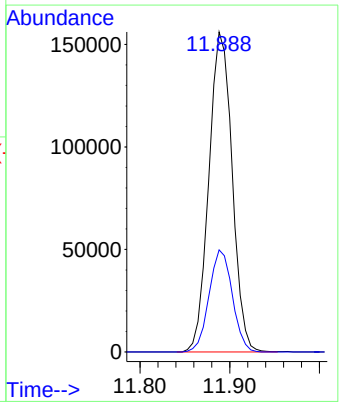


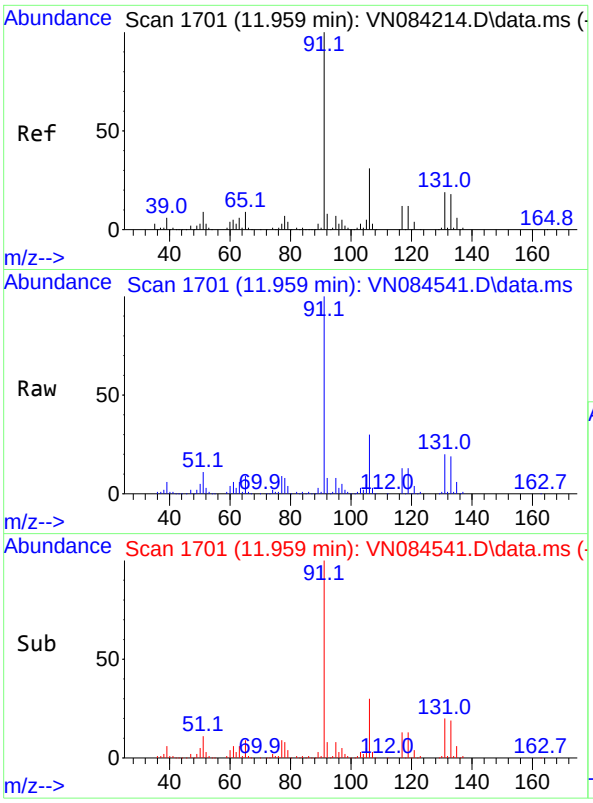


#65
Chlorobenzene
Concen: 52.326 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:112 Resp: 281063

Ion	Ratio	Lower	Upper
112	100		
114	31.9	27.0	40.6



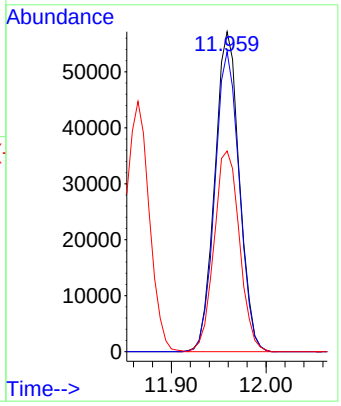


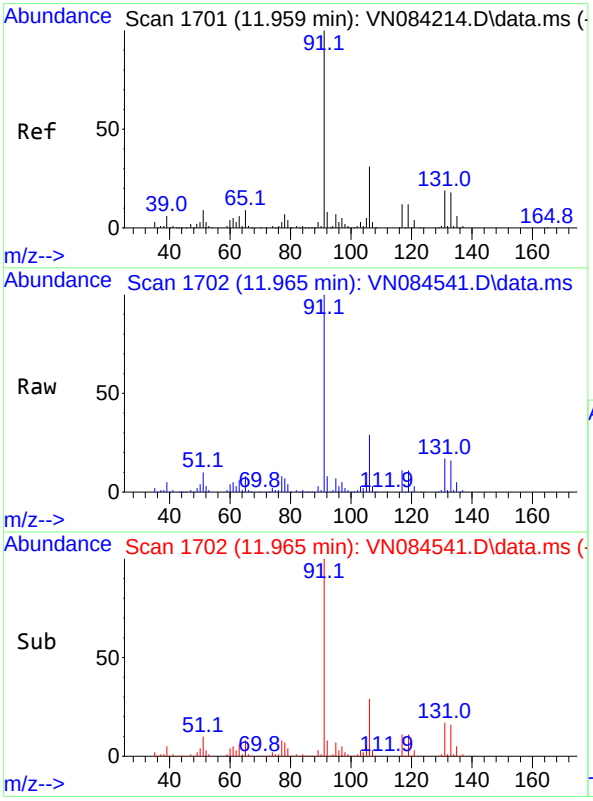
#66
1,1,1,2-Tetrachloroethane
Concen: 55.570 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:131 Resp: 102811

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.9	143.7
119	65.0	32.8	98.3

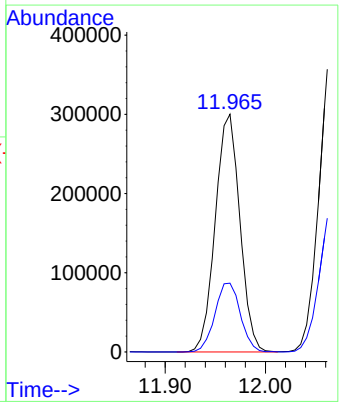


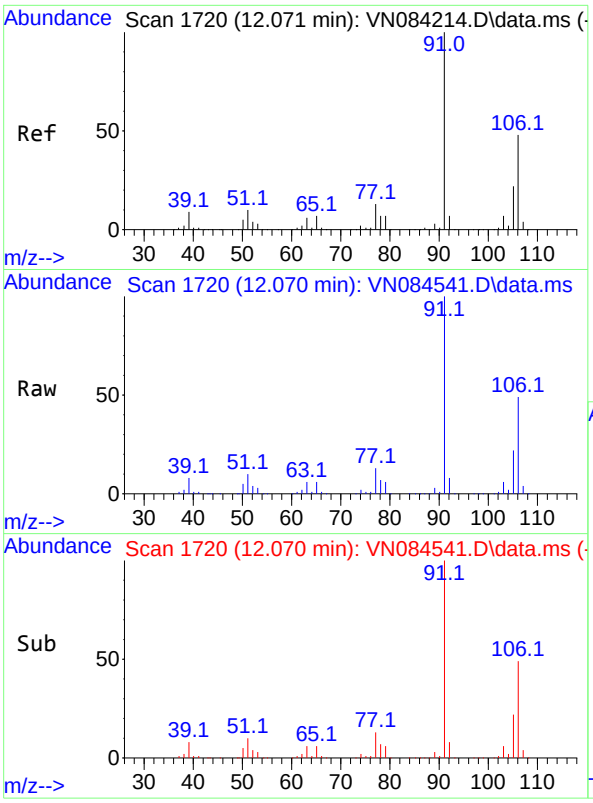


#67
Ethyl Benzene
Concen: 53.801 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 511064

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.5	36.7



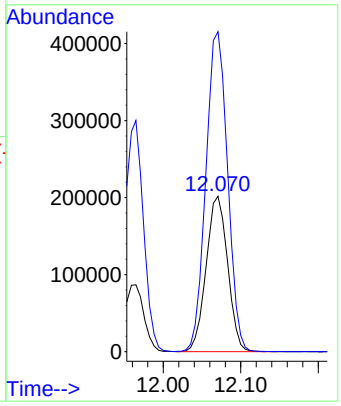


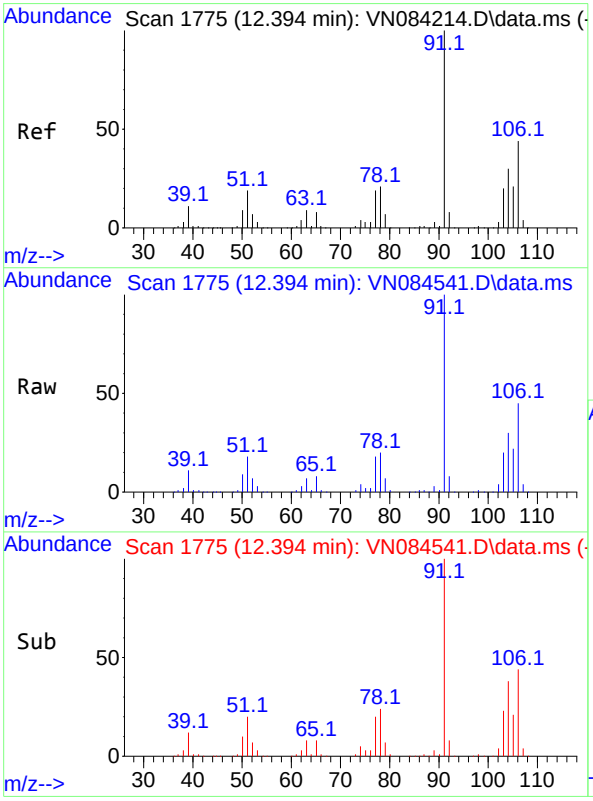
#68
m/p-Xylenes
Concen: 110.663 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:106 Resp: 388846

Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.1	250.7

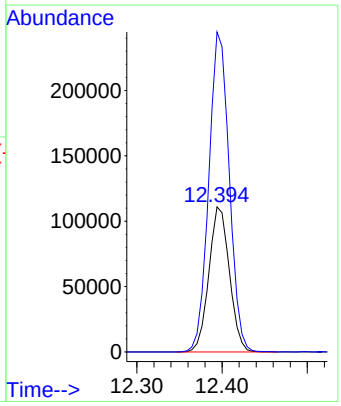


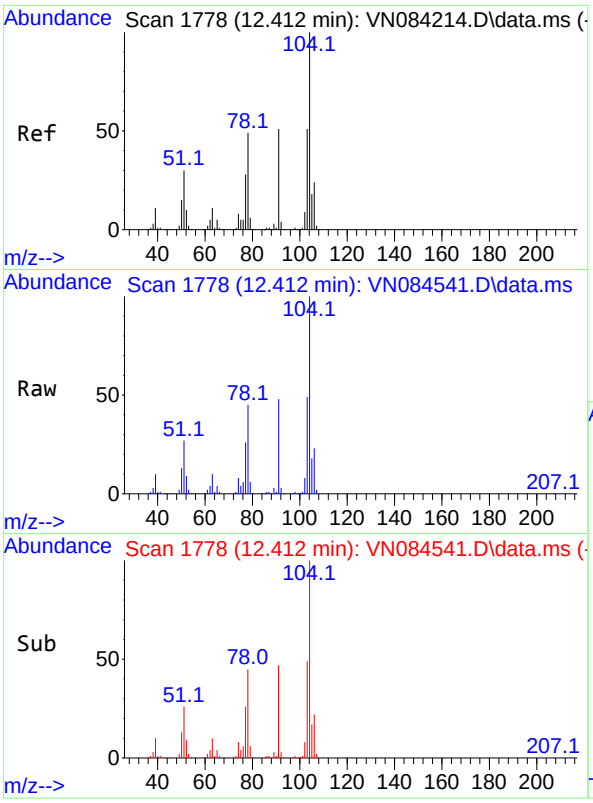


#69
o-Xylene
Concen: 55.956 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:106 Resp: 186023

Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.2	330.6



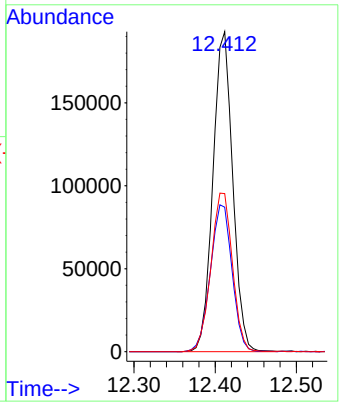


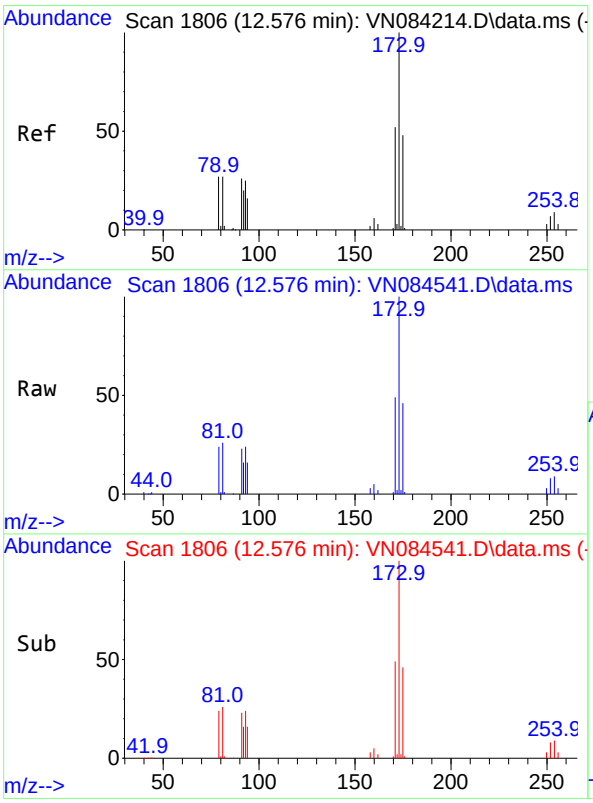
#70
Styrene
Concen: 58.066 ug/l
RT: 12.412 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:104 Resp: 326970

Ion	Ratio	Lower	Upper
104	100		
78	50.2	42.7	64.1
103	53.9	43.6	65.4

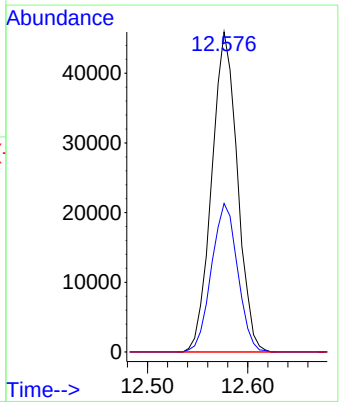


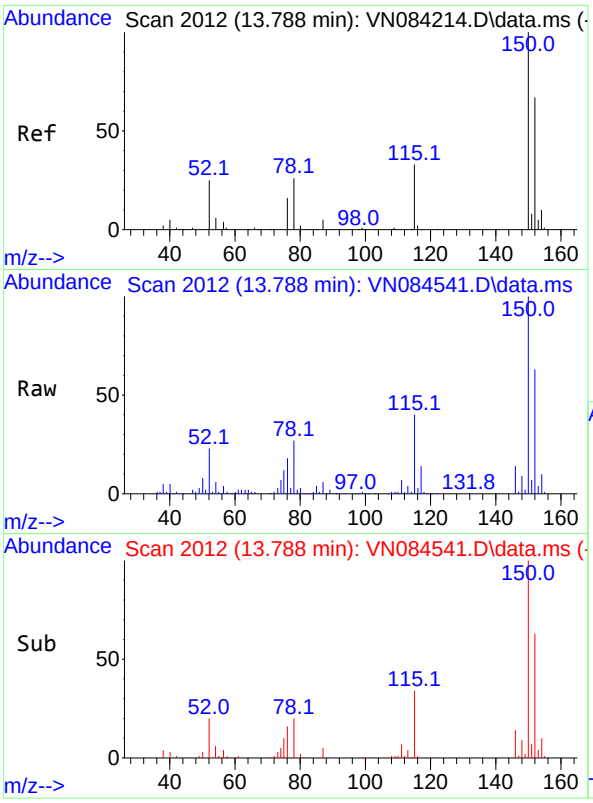


#71
Bromoform
Concen: 59.841 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:173 Resp: 81509

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.5	70.6
254	0.0	0.0	0.0



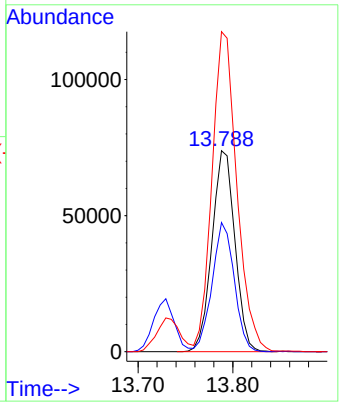


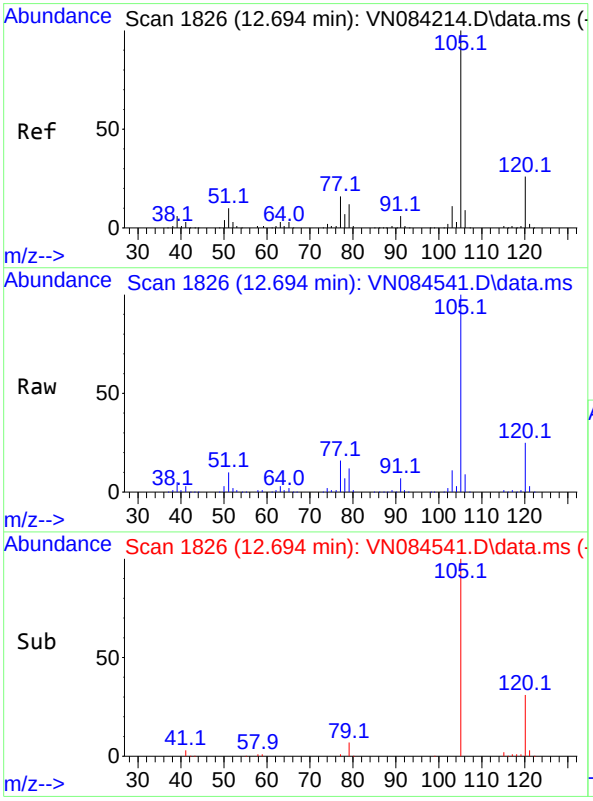
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:152 Resp: 124264

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	172.6	0.0	349.8

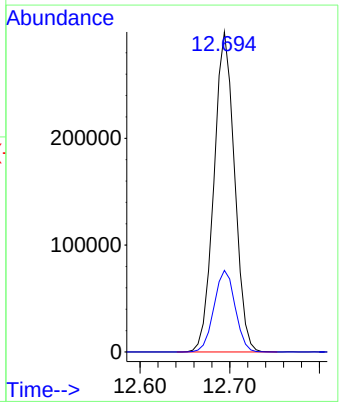


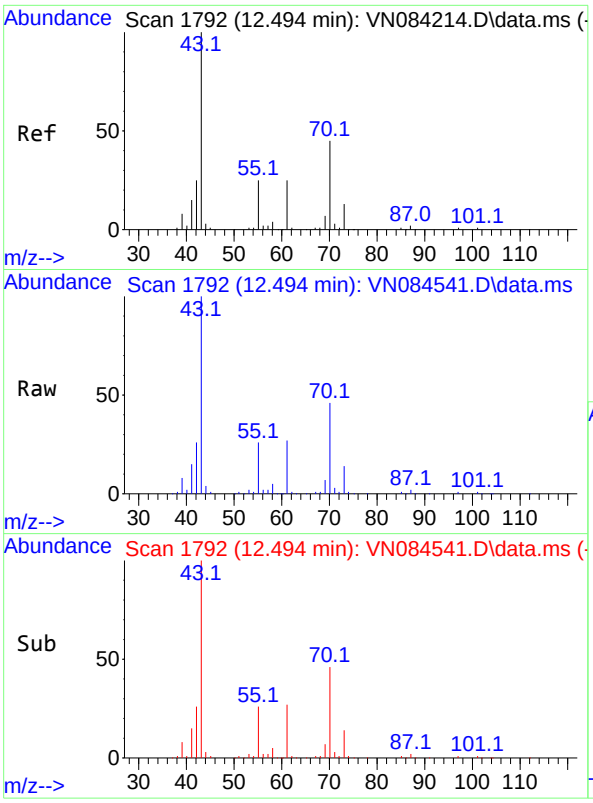


#73
Isopropylbenzene
Concen: 50.405 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:105 Resp: 477965

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



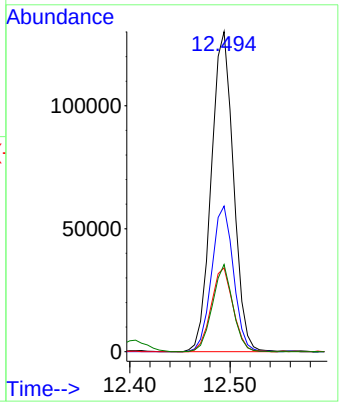


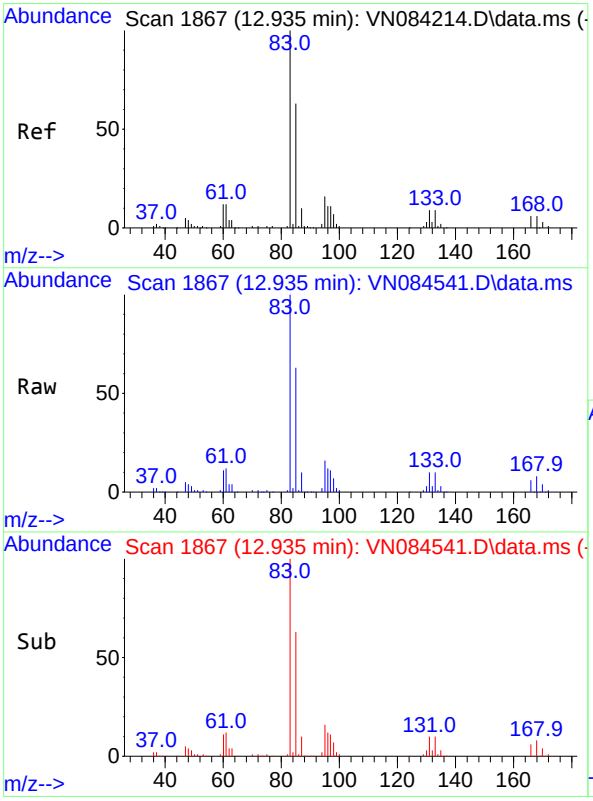
#74
N-amyl acetate
Concen: 46.499 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 43 Resp: 199668

Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.4	51.6
55	25.9	19.6	29.4
61	25.1	19.6	29.4

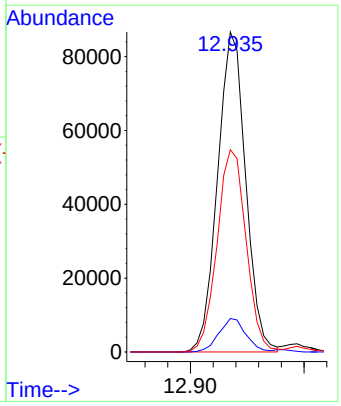


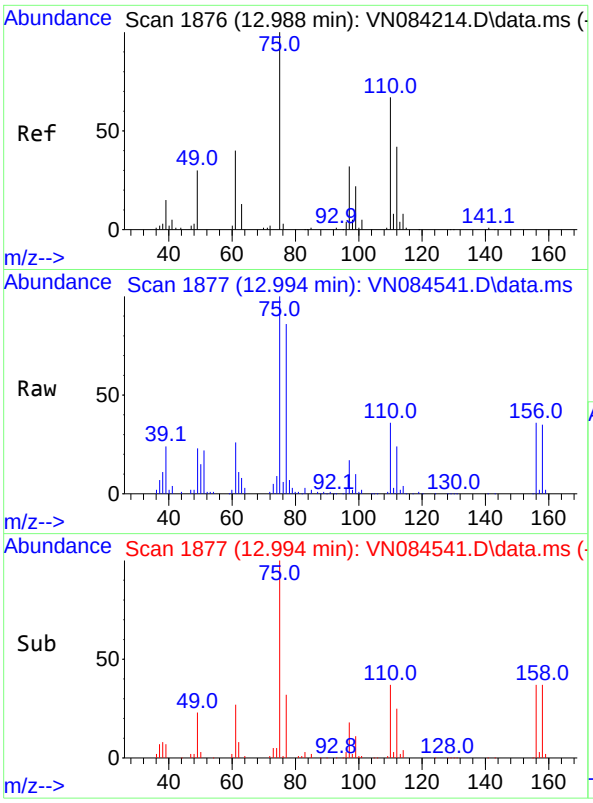


#75
1,1,2,2-Tetrachloroethane
Concen: 52.229 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 83 Resp: 148921

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	65.3	31.9	95.7



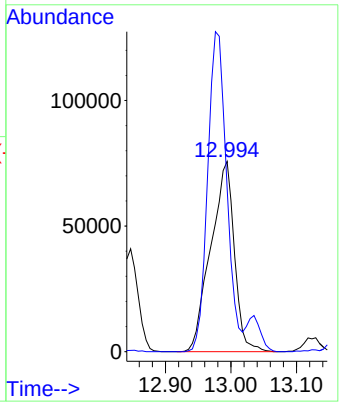


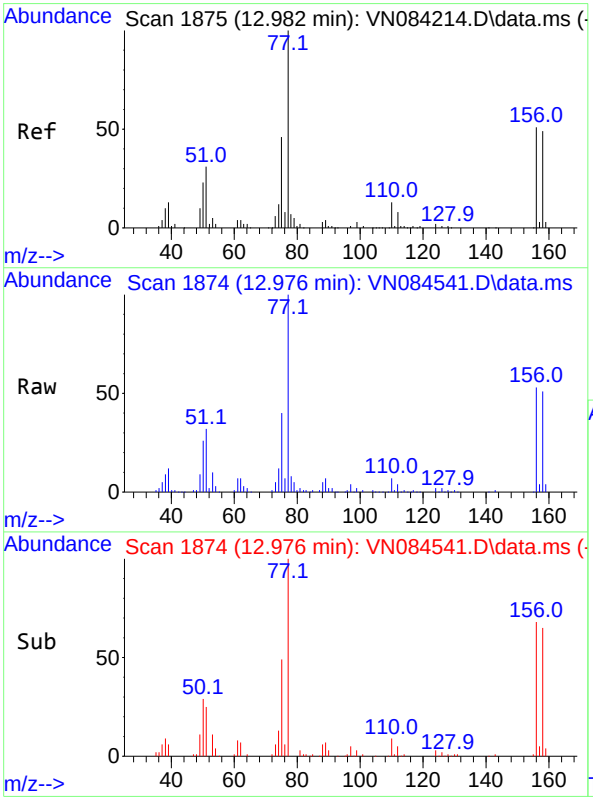
#76
1,2,3-Trichloropropane
Concen: 74.555 ug/l
RT: 12.994 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 75 Resp: 189138

Ion	Ratio	Lower	Upper
75	100		
77	135.5	96.9	290.7

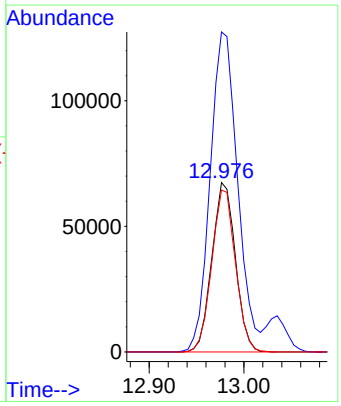


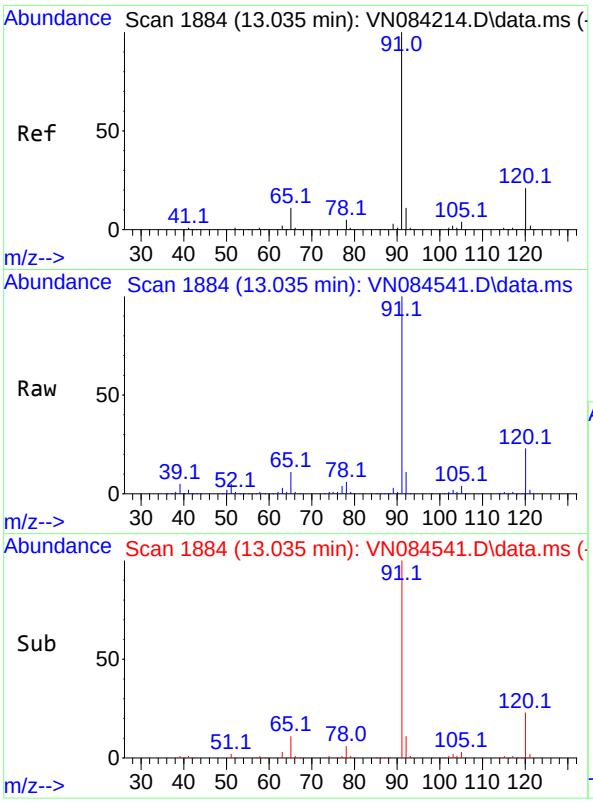


#77
Bromobenzene
Concen: 50.986 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:156 Resp: 116619

Ion	Ratio	Lower	Upper
156	100		
77	219.8	115.1	345.3
158	96.2	48.9	146.8



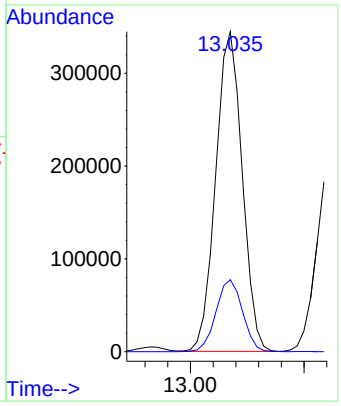


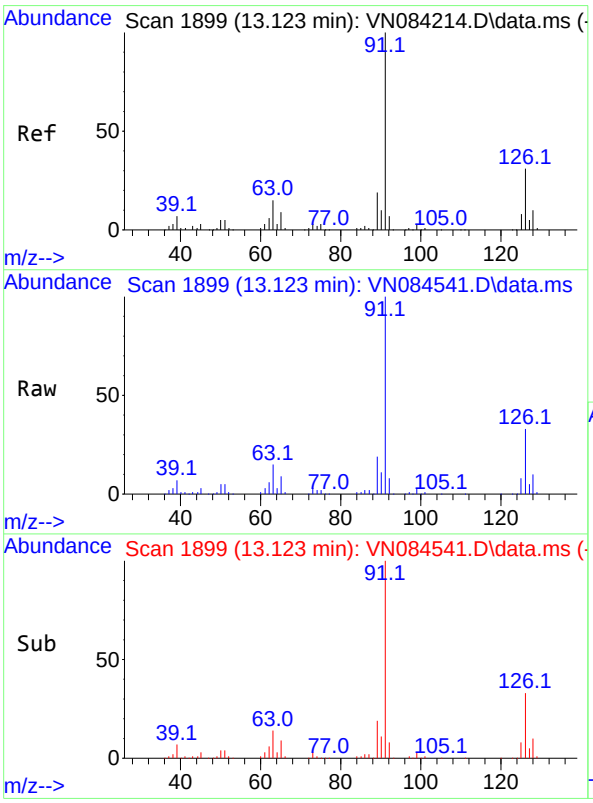
#78
n-propylbenzene
Concen: 50.767 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 91 Resp: 557749

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

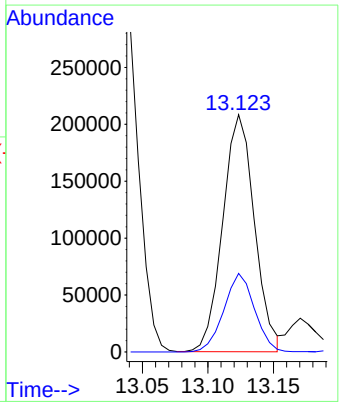


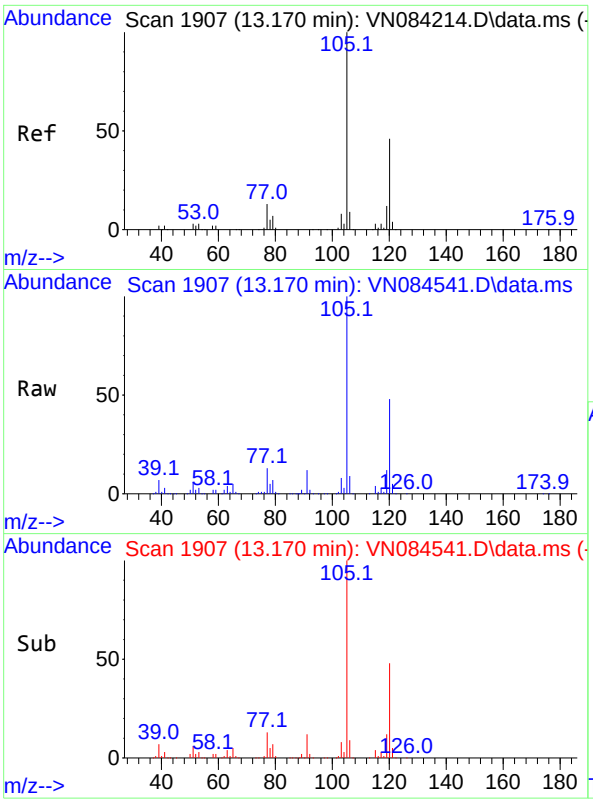


#79
2-Chlorotoluene
Concen: 50.063 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 350968

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



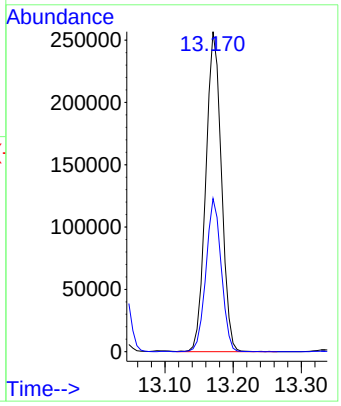


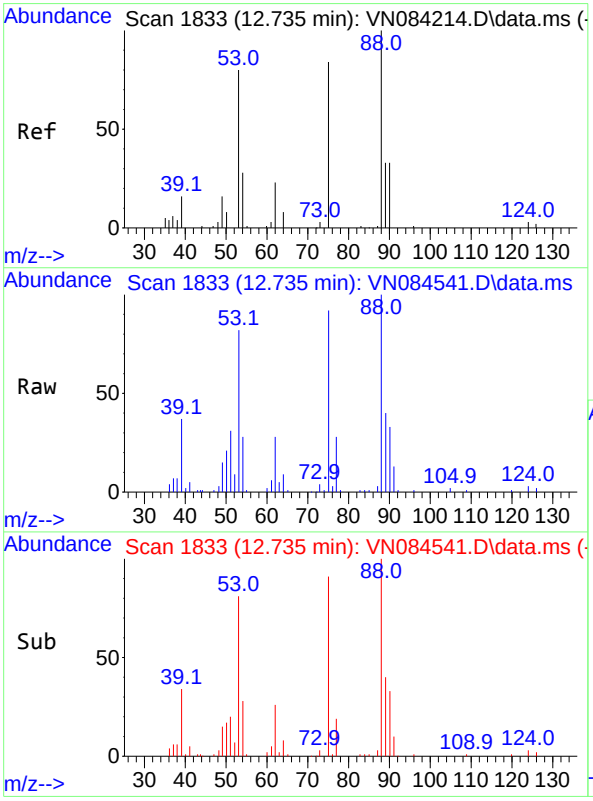
#80
1,3,5-Trimethylbenzene
Concen: 52.786 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:105 Resp: 408303

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1

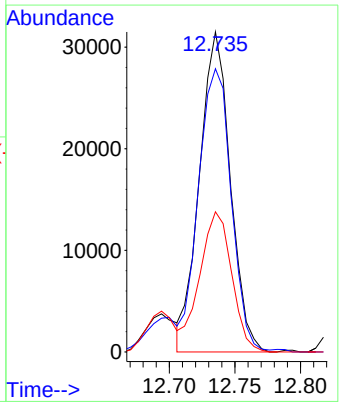


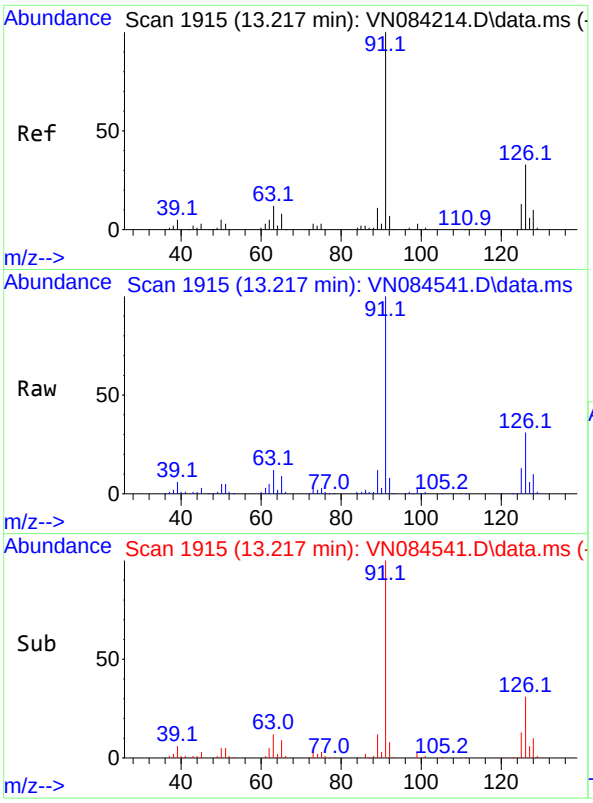


#81
trans-1,4-Dichloro-2-butene
Concen: 48.776 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 75 Resp: 51613

Ion	Ratio	Lower	Upper
75	100		
53	105.1	78.0	117.0
89	45.6	35.5	53.3



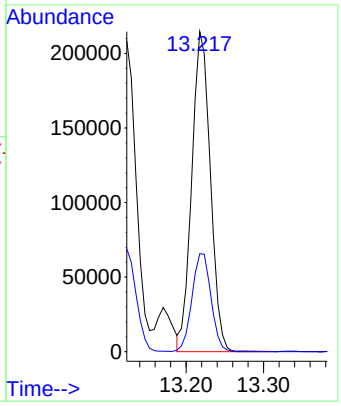


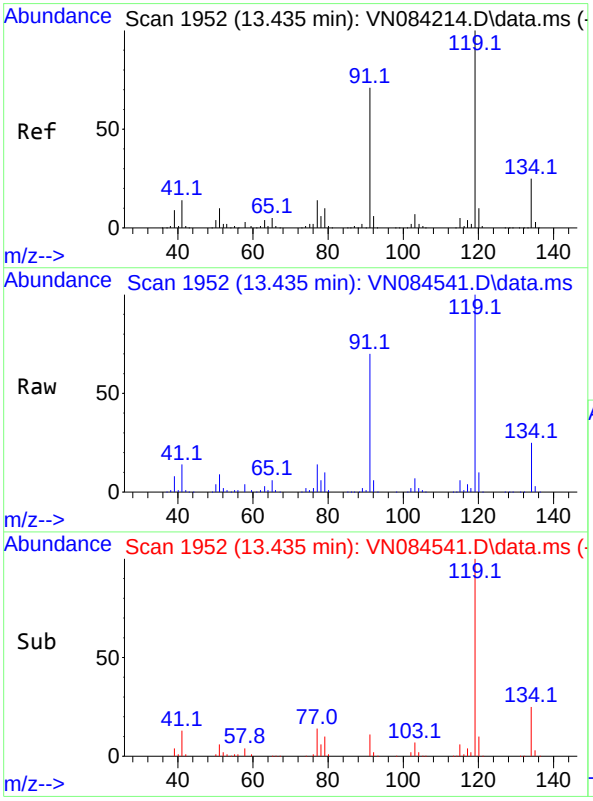
#82
4-Chlorotoluene
Concen: 50.558 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 91 Resp: 356802

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

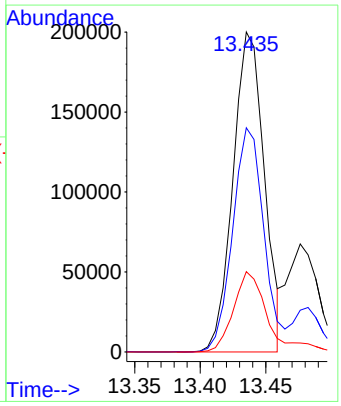


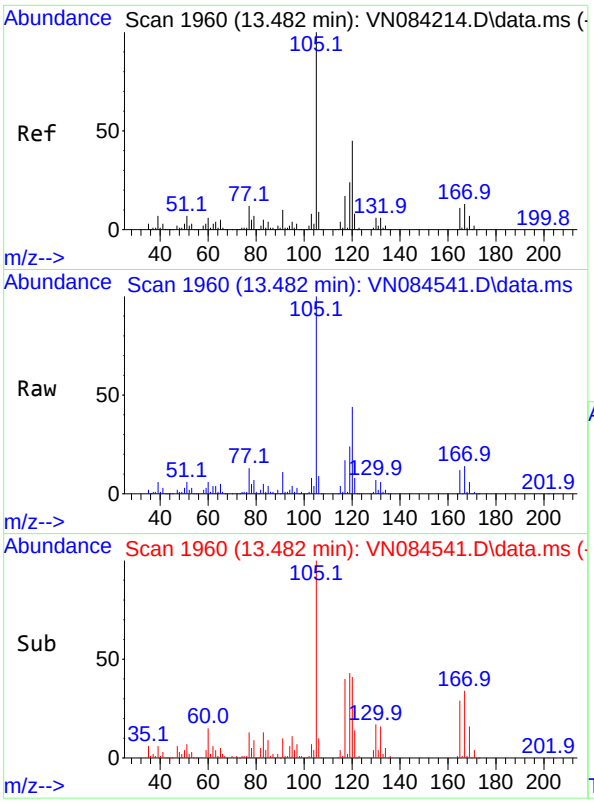


#83
tert-Butylbenzene
Concen: 48.336 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:119 Resp: 332305

Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.1	102.3
134	27.2	12.8	38.4



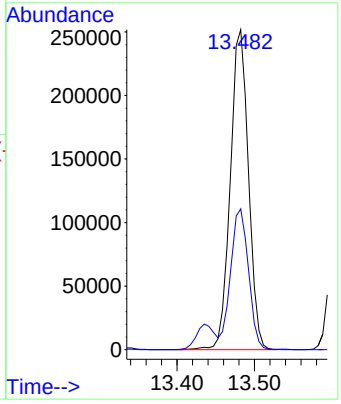


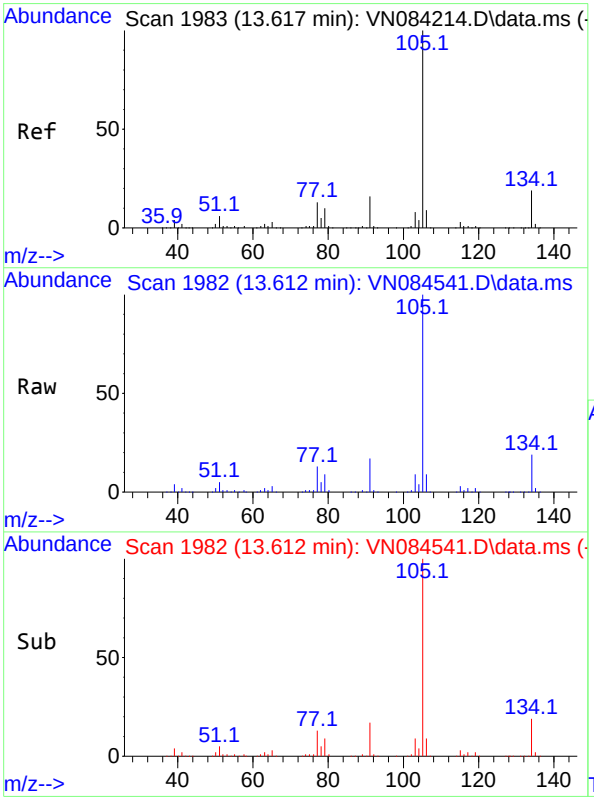
#84
1,2,4-Trimethylbenzene
Concen: 52.692 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:105 Resp: 410580

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

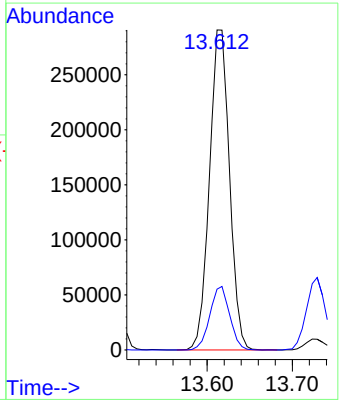


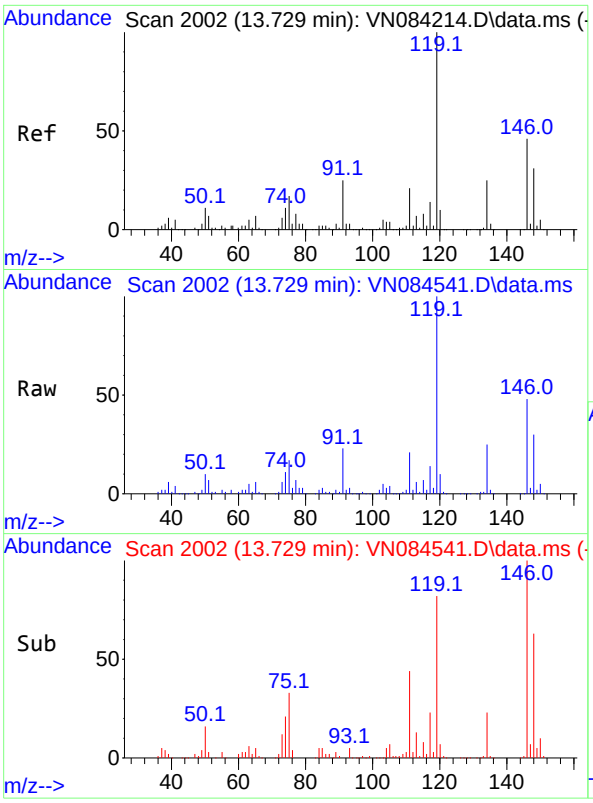


#85
sec-Butylbenzene
Concen: 51.740 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:105 Resp: 474663

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



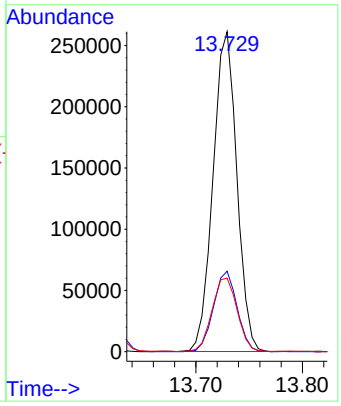


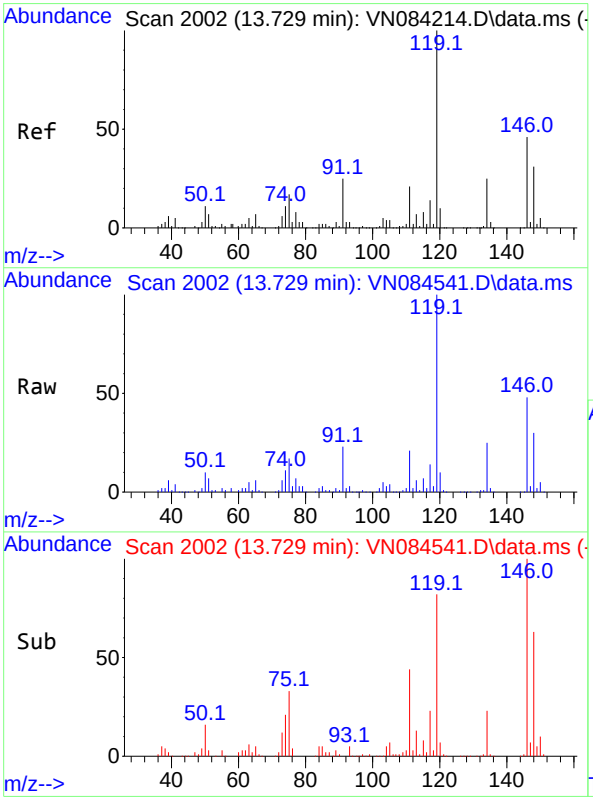
#86
p-Isopropyltoluene
Concen: 53.228 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:119 Resp: 403793

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	24.2	12.4	37.2

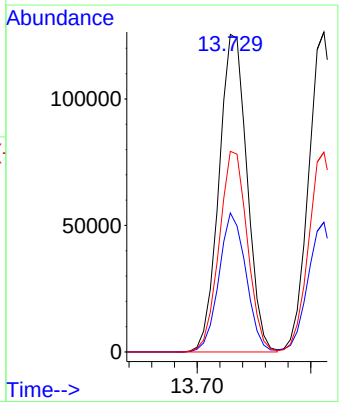


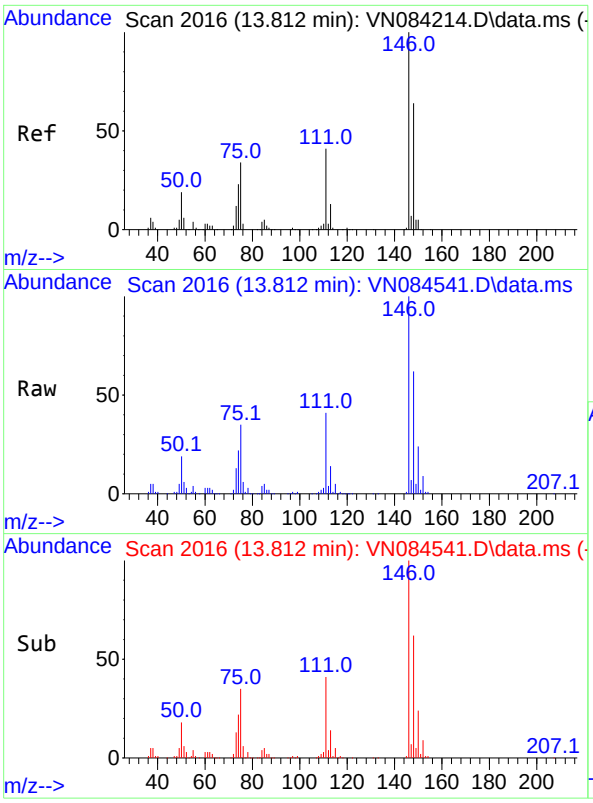


#87
1,3-Dichlorobenzene
Concen: 50.194 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:146 Resp: 215381

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	63.4	31.9	95.7



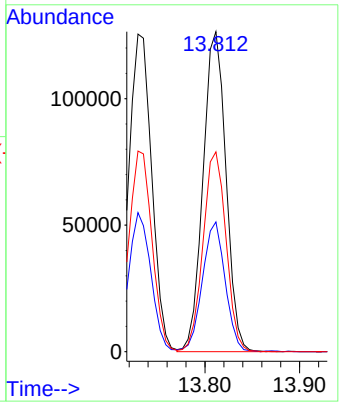


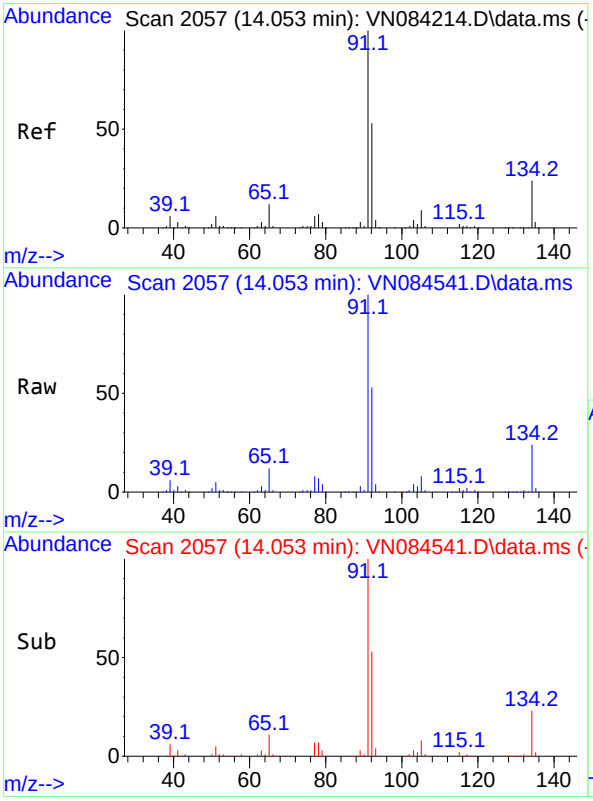
#88
1,4-Dichlorobenzene
Concen: 49.000 ug/l
RT: 13.812 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:146 Resp: 212329

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.2	63.6
148	62.6	31.9	95.9

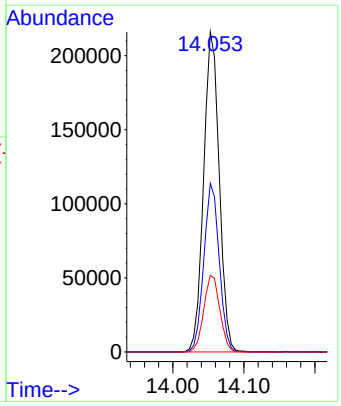


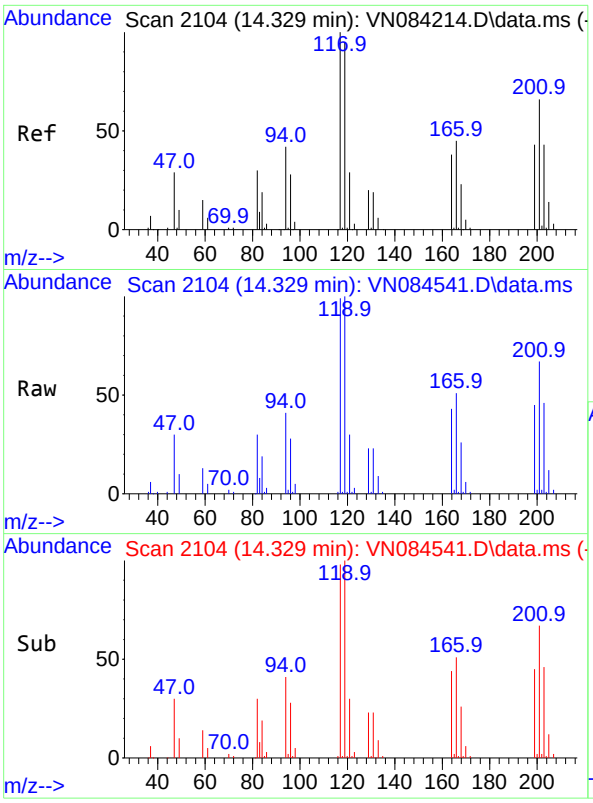


#89
n-Butylbenzene
Concen: 48.126 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion: 91 Resp: 331045

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	24.6	12.3	36.9



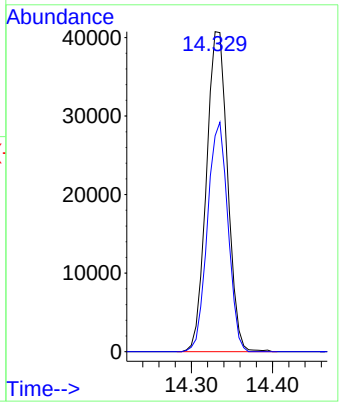


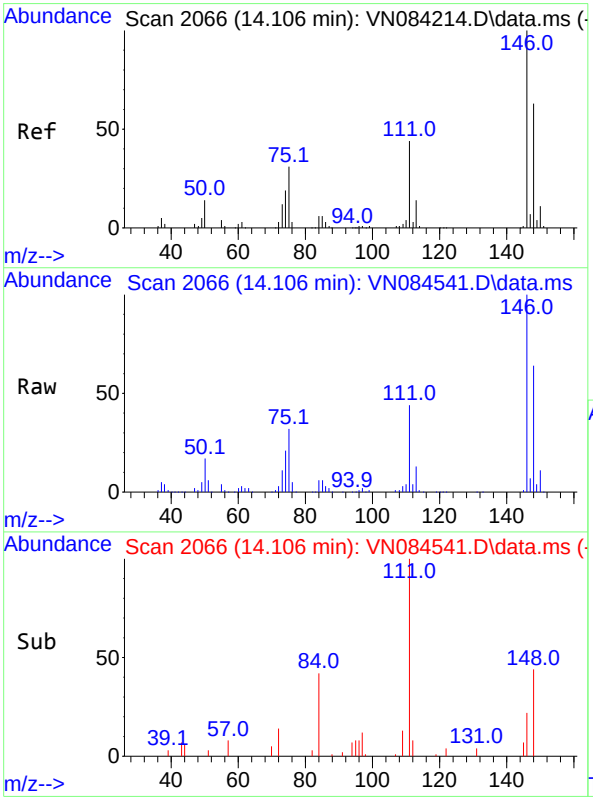
#90
Hexachloroethane
Concen: 47.979 ug/l
RT: 14.329 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:117 Resp: 73881

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.4	103.2

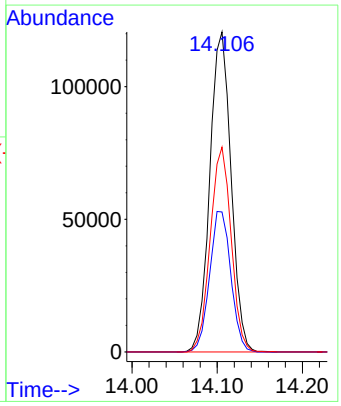


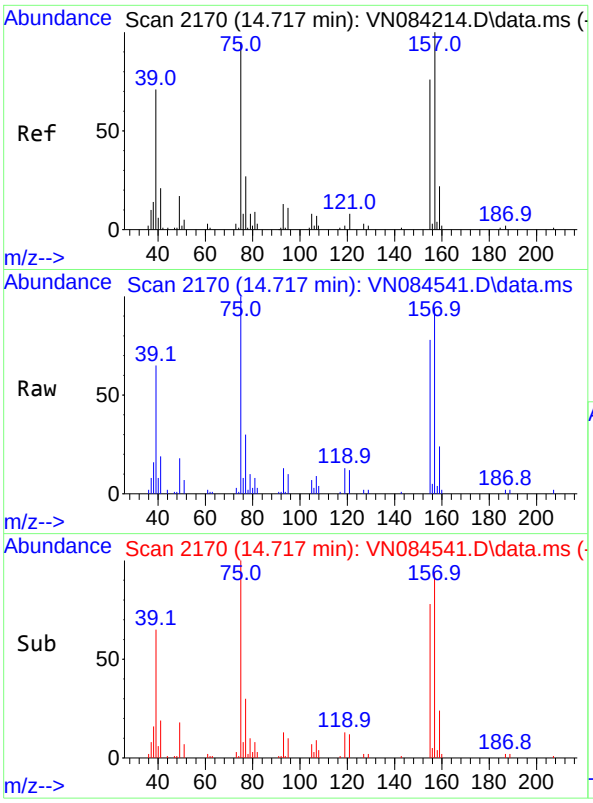


#91
1,2-Dichlorobenzene
Concen: 49.589 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:146 Resp: 208642

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.1	32.1	96.3



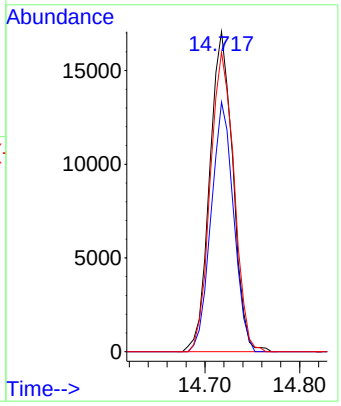


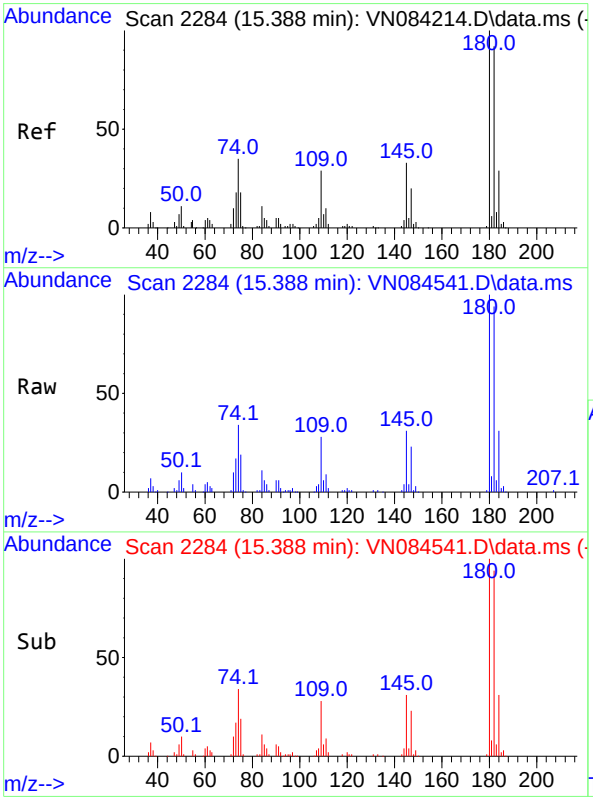
#92
1,2-Dibromo-3-Chloropropane
Concen: 49.460 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion: 75 Resp: 29102

Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.1	114.5
157	95.9	49.6	149.0

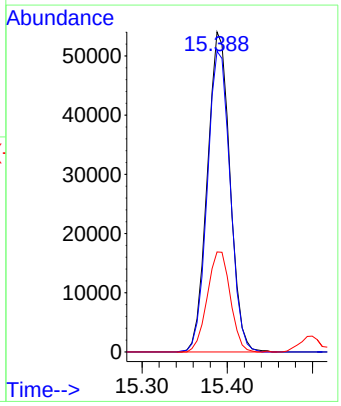


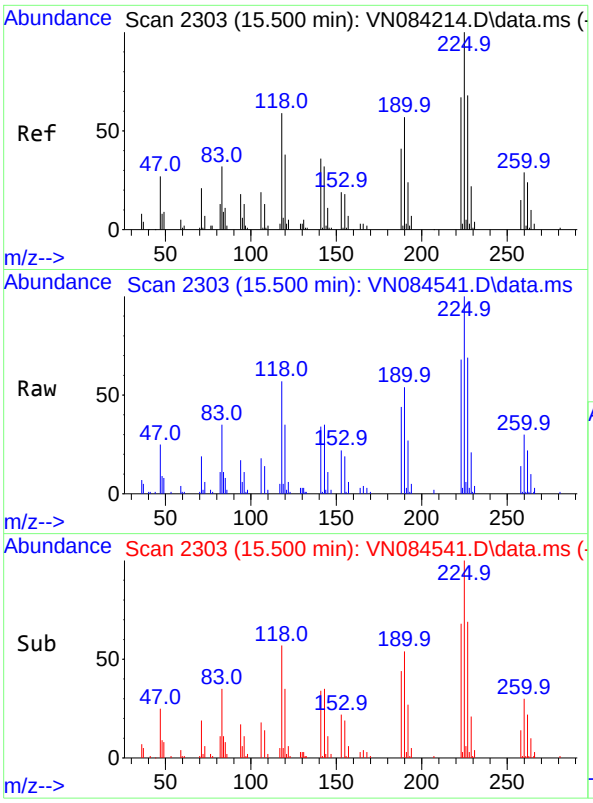


#93
1,2,4-Trichlorobenzene
Concen: 47.954 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:180 Resp: 99380

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	31.9	16.4	49.4



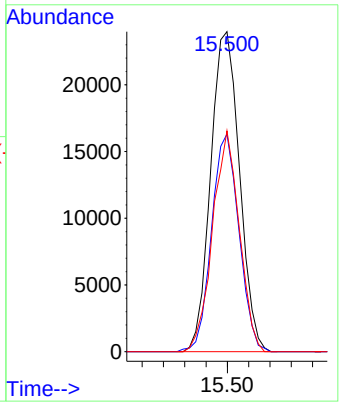


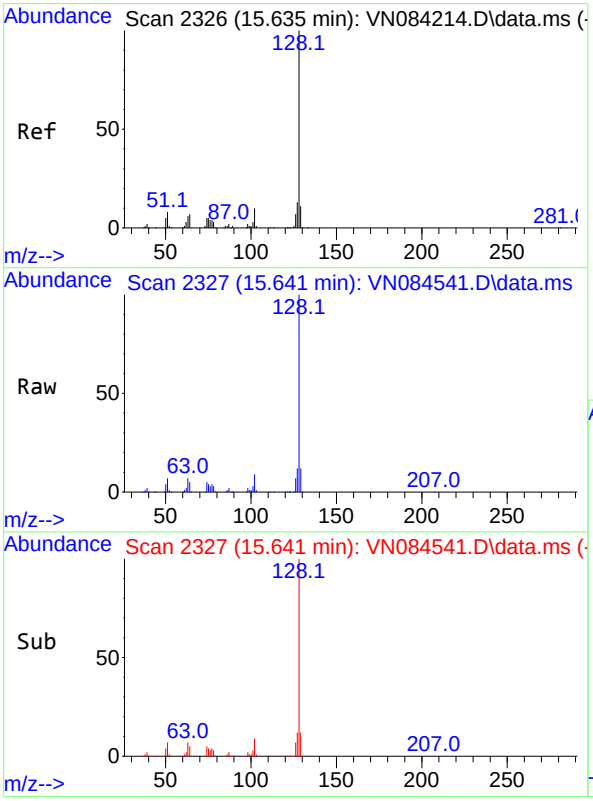
#94
Hexachlorobutadiene
Concen: 43.614 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:225 Resp: 45075

Ion	Ratio	Lower	Upper
225	100		
223	64.6	32.4	97.2
227	63.7	32.4	97.0

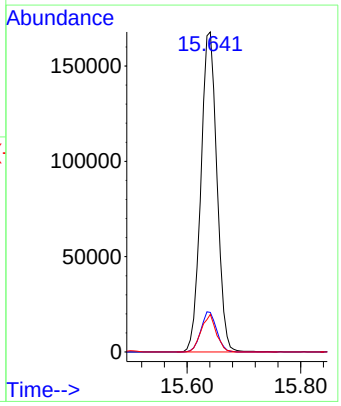


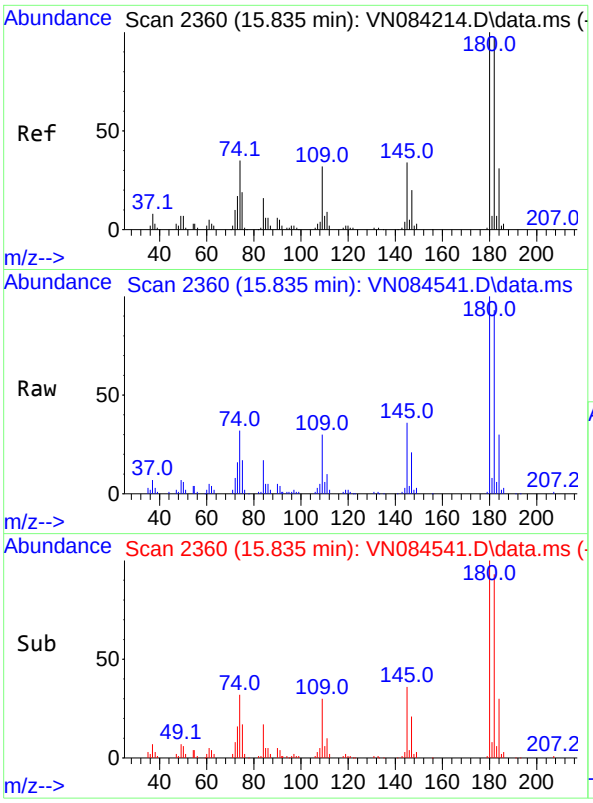


#95
Naphthalene
Concen: 47.757 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Tgt Ion:128 Resp: 328108

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	11.1	8.7	13.1



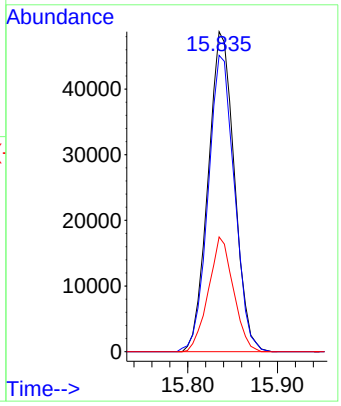


#96
1,2,3-Trichlorobenzene
Concen: 47.622 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084541.D
Acq: 28 Oct 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-338-340MSD

Tgt Ion:180 Resp: 98790

Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.2	144.6
145	34.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	161557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121750	50.827	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	8.165	113	98037	53.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.600%			
50) Toluene-d8	10.565	98	346993	51.281	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.847	95	135984	55.163	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	87893	45.994	ug/l	93
3) Chloromethane	2.359	50	95984	43.989	ug/l	99
4) Vinyl Chloride	2.512	62	97538	46.148	ug/l	99
5) Bromomethane	2.954	94	61670	44.236	ug/l	100
6) Chloroethane	3.118	64	61446	40.593	ug/l	94
7) Trichlorofluoromethane	3.495	101	168357	51.153	ug/l	100
8) Diethyl Ether	3.965	74	59166	48.471	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	98554	52.260	ug/l	99
10) Methyl Iodide	4.583	142	116600	48.011	ug/l	96
11) Tert butyl alcohol	5.512	59	81231	205.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	90931	49.989	ug/l	95
13) Acrolein	4.177	56	109315	241.078	ug/l	97
14) Allyl chloride	5.018	41	143147	45.312	ug/l	96
15) Acrylonitrile	5.718	53	256260	256.919	ug/l	99
16) Acetone	4.424	43	212070	206.092	ug/l	99
17) Carbon Disulfide	4.712	76	242934	42.182	ug/l	98
18) Methyl Acetate	5.018	43	134242	59.855	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	320371	52.182	ug/l	97
20) Methylene Chloride	5.277	84	105926	50.640	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	96468	50.620	ug/l	97
22) Diisopropyl ether	6.665	45	341825	52.311	ug/l	99
23) Vinyl Acetate	6.600	43	1255111	258.966	ug/l	100
24) 1,1-Dichloroethane	6.565	63	190723	52.192	ug/l	100
25) 2-Butanone	7.483	43	336778	240.294	ug/l	97
26) 2,2-Dichloropropane	7.489	77	151767	46.062	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	120655	52.393	ug/l	95
28) Bromochloromethane	7.812	49	79971	49.048	ug/l	98
29) Tetrahydrofuran	7.836	42	223740	258.688	ug/l	98
30) Chloroform	7.965	83	200839	52.910	ug/l	96
31) Cyclohexane	8.253	56	158787	44.753	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	178824	52.455	ug/l	98
36) 1,1-Dichloropropene	8.371	75	136466	51.083	ug/l	98
37) Ethyl Acetate	7.559	43	138459	50.519	ug/l	100
38) Carbon Tetrachloride	8.359	117	152948	52.192	ug/l	97
39) Methylcyclohexane	9.600	83	147244	49.523	ug/l	99
40) Benzene	8.606	78	436967	52.498	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75268	50.587 ug/l	95
42) 1,2-Dichloroethane	8.665	62	143860	50.982 ug/l	100
43) Isopropyl Acetate	8.683	43	349610	65.126 ug/l #	88
44) Trichloroethene	9.347	130	99088	50.971 ug/l	98
45) 1,2-Dichloropropane	9.618	63	106420	54.048 ug/l	95
46) Dibromomethane	9.706	93	74219	55.856 ug/l	97
47) Bromodichloromethane	9.888	83	160866	54.492 ug/l	99
48) Methyl methacrylate	9.677	41	113027	52.892 ug/l	99
49) 1,4-Dioxane	9.694	88	35625	905.532 ug/l #	82
51) 4-Methyl-2-Pentanone	10.441	43	714789	273.966 ug/l	99
52) Toluene	10.630	92	269489	53.095 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	157811	52.443 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	171155	52.878 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	102065	56.093 ug/l	96
56) Ethyl methacrylate	10.871	69	166194	55.509 ug/l	98
57) 1,3-Dichloropropane	11.159	76	175092	53.853 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	387998	279.356 ug/l	97
59) 2-Hexanone	11.194	43	521443	267.402 ug/l	99
60) Dibromochloromethane	11.359	129	120370	55.989 ug/l	99
61) 1,2-Dibromoethane	11.471	107	101246	53.550 ug/l	98
64) Tetrachloroethene	11.100	164	87317	49.432 ug/l	98
65) Chlorobenzene	11.888	112	290060	51.584 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	102132	52.733 ug/l	100
67) Ethyl Benzene	11.959	91	513576	51.646 ug/l	99
68) m/p-Xylenes	12.065	106	399929	108.723 ug/l	99
69) o-Xylene	12.394	106	189624	54.486 ug/l	99
70) Styrene	12.412	104	332772	56.451 ug/l	98
71) Bromoform	12.576	173	80632	56.547 ug/l #	97
73) Isopropylbenzene	12.694	105	479901	45.329 ug/l	99
74) N-amyl acetate	12.494	43	210653	43.939 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	151201	47.496 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	189386	66.864 ug/l	62
77) Bromobenzene	12.976	156	119941	46.967 ug/l	93
78) n-propylbenzene	13.035	91	591943	48.258 ug/l	99
79) 2-Chlorotoluene	13.123	91	358796	45.840 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	420006	48.634 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	51825	43.866 ug/l	93
82) 4-Chlorotoluene	13.218	91	364214	46.224 ug/l	98
83) tert-Butylbenzene	13.435	119	353200	46.015 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	422000	48.507 ug/l	99
85) sec-Butylbenzene	13.612	105	495670	48.392 ug/l	100
86) p-Isopropyltoluene	13.729	119	416611	49.188 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	224117	46.781 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	223063	46.106 ug/l	99
89) n-Butylbenzene	14.053	91	368986	48.044 ug/l	100
90) Hexachloroethane	14.335	117	77012	44.795 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	213812	45.515 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28331	43.126 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	111223	48.069 ug/l	99
94) Hexachlorobutadiene	15.500	225	49291	42.717 ug/l	98
95) Naphthalene	15.641	128	350781	45.730 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	110954	47.905 ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

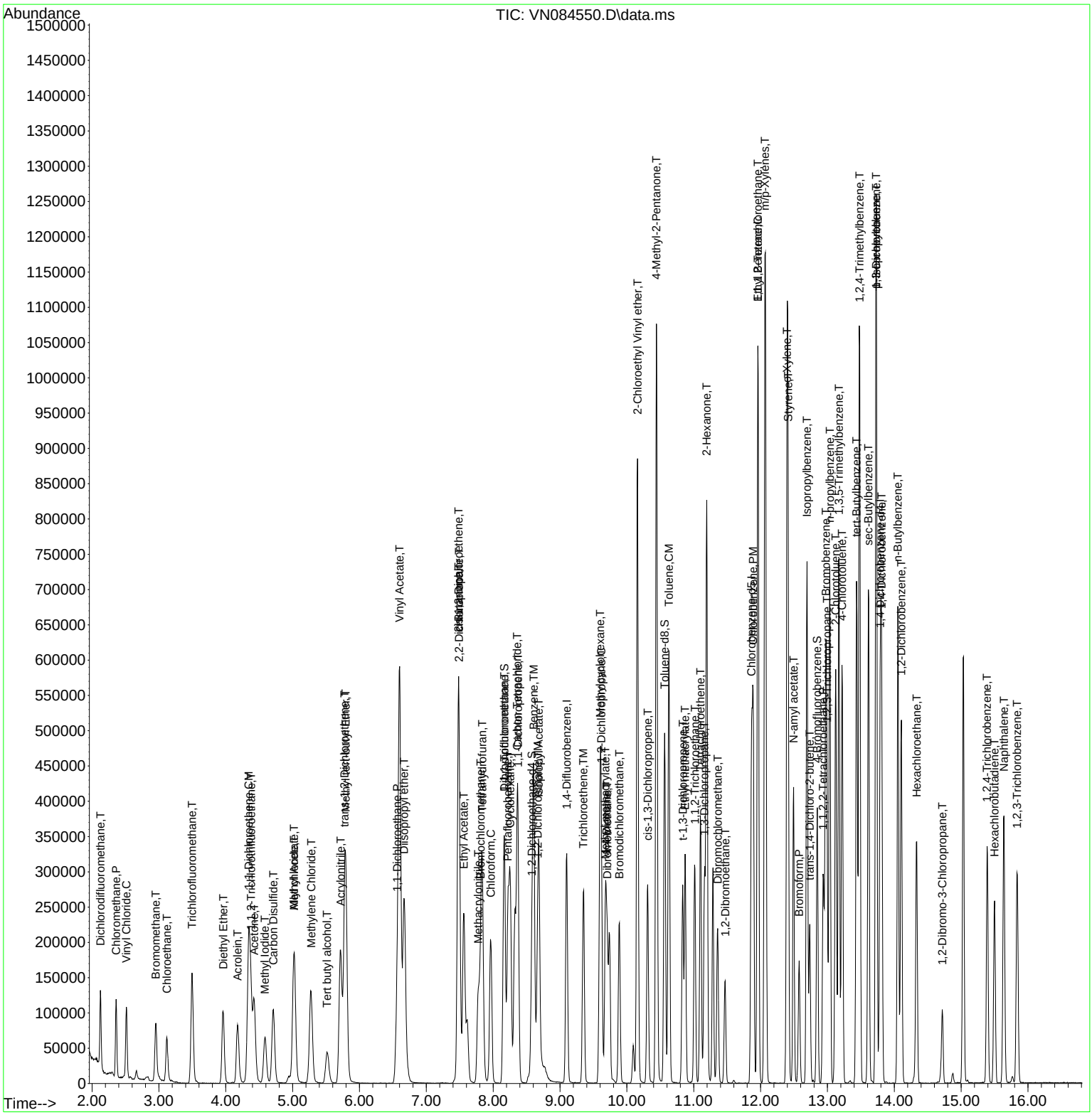
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

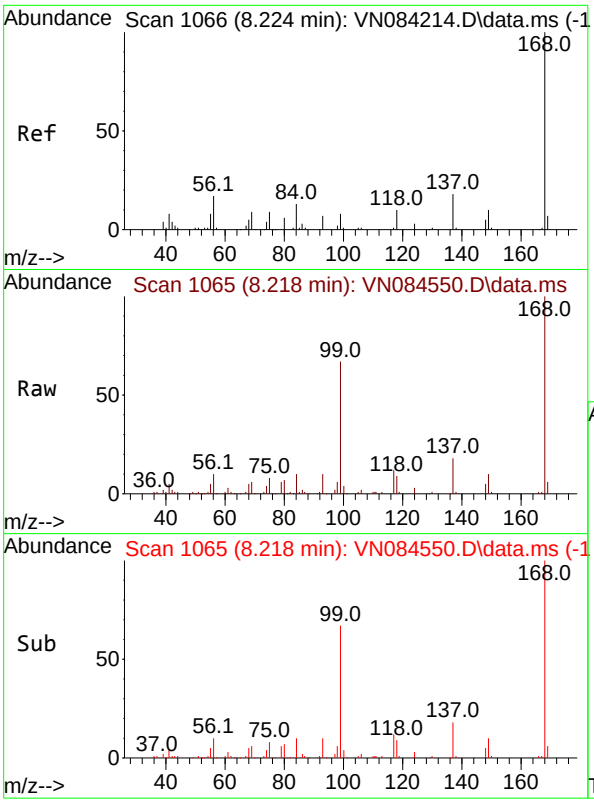
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084550.D
Acq On : 28 Oct 2024 21:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 29 01:33:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



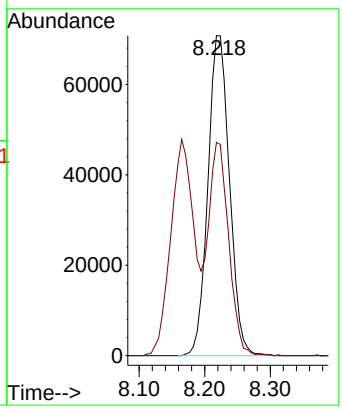


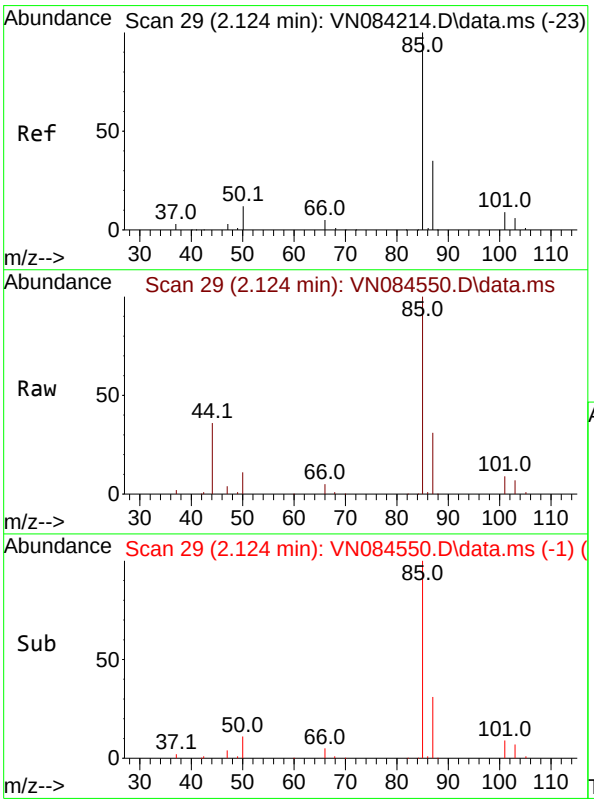
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 161557

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2

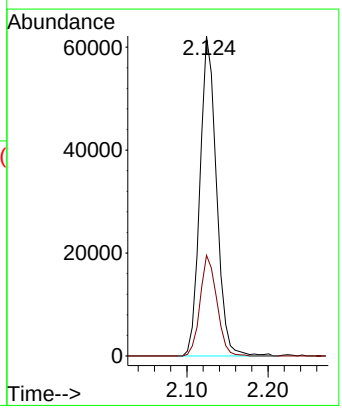


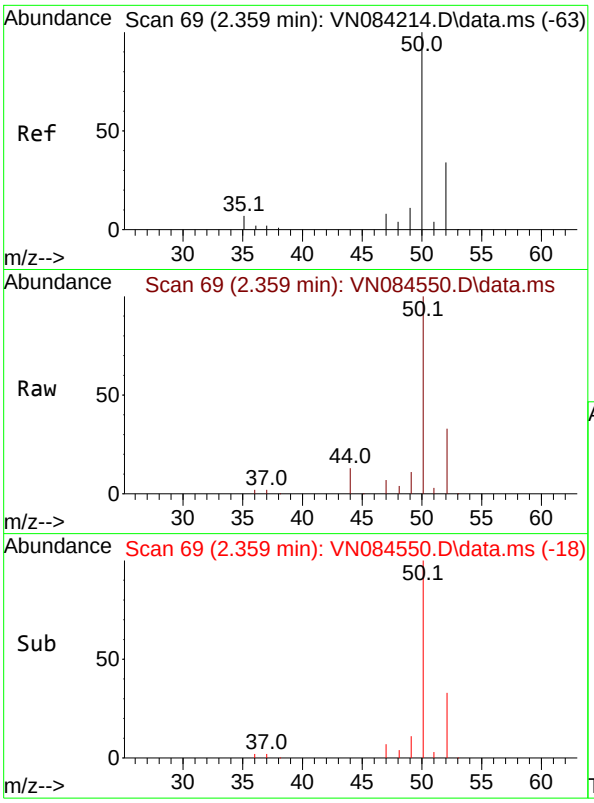


#2
Dichlorodifluoromethane
Concen: 45.994 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 85 Resp: 87893

Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.6	52.9



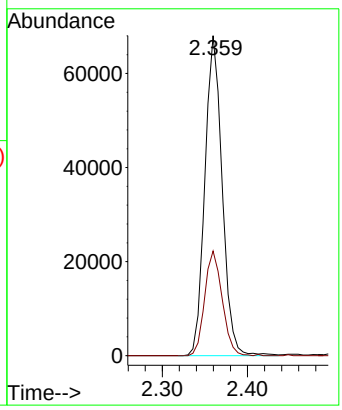


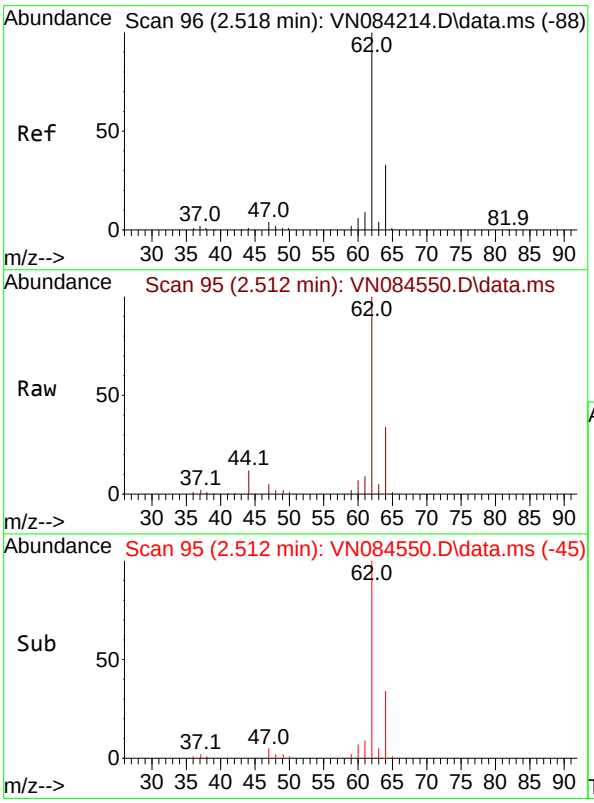
#3
Chloromethane
Concen: 43.989 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 95984

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.8	40.2

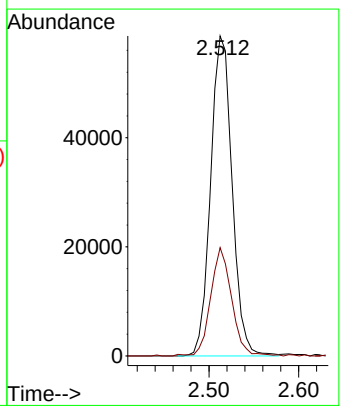


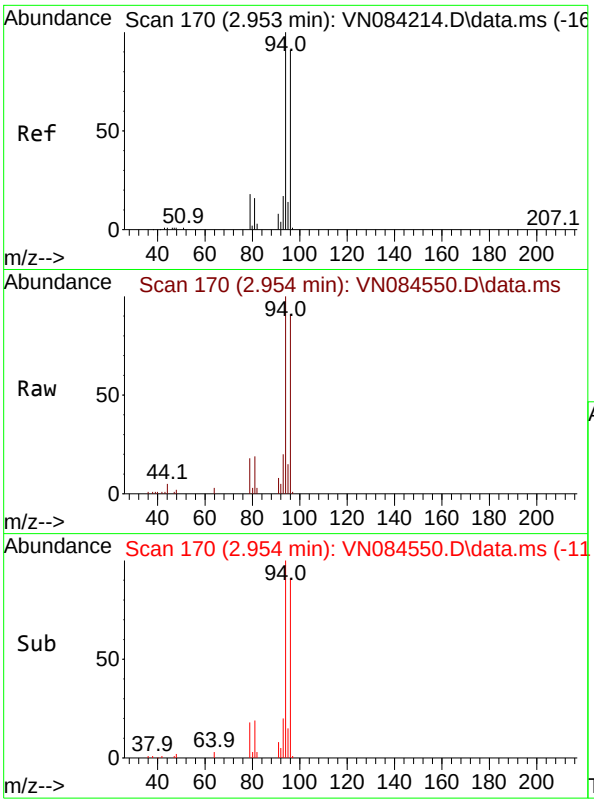


#4
Vinyl Chloride
Concen: 46.148 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 62 Resp: 97538

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.2	39.4



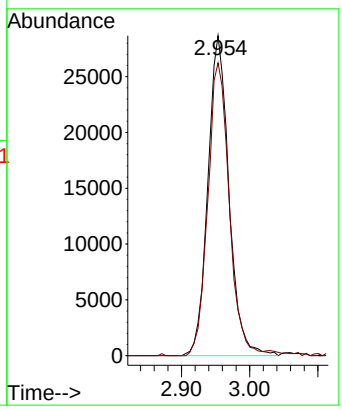


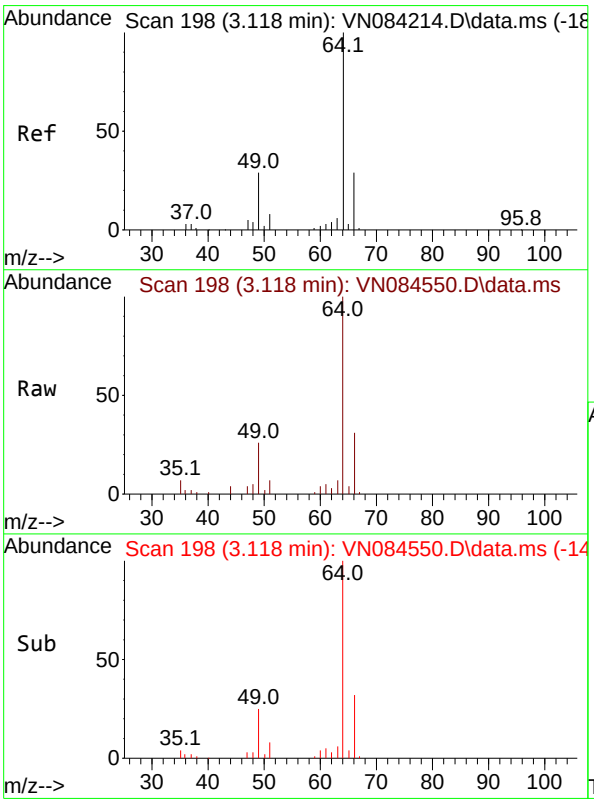
#5
Bromomethane
Concen: 44.236 ug/l
RT: 2.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 61670

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3

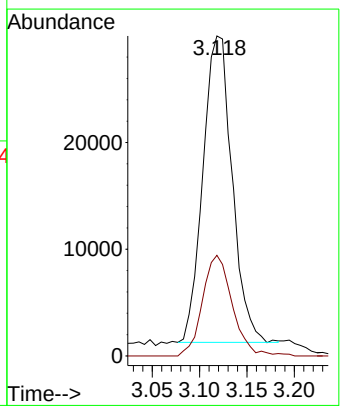


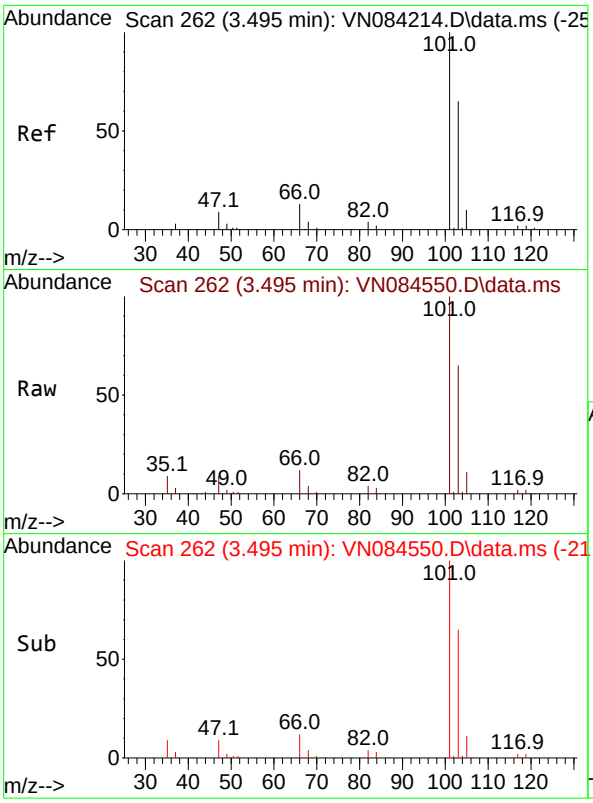


#6
Chloroethane
Concen: 40.593 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 64 Resp: 61446

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



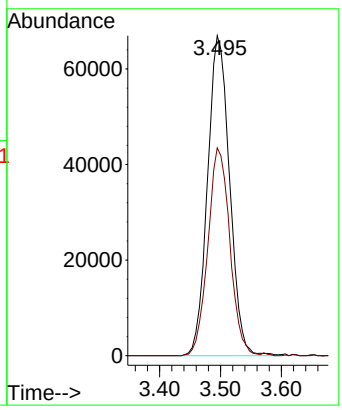


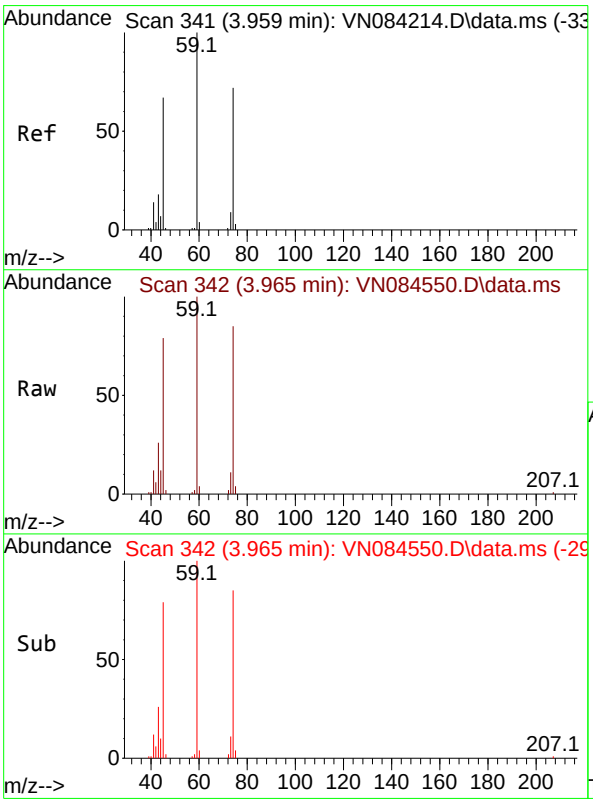
#7
Trichlorofluoromethane
Concen: 51.153 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 168357

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6

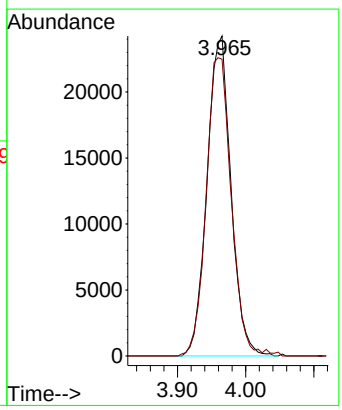


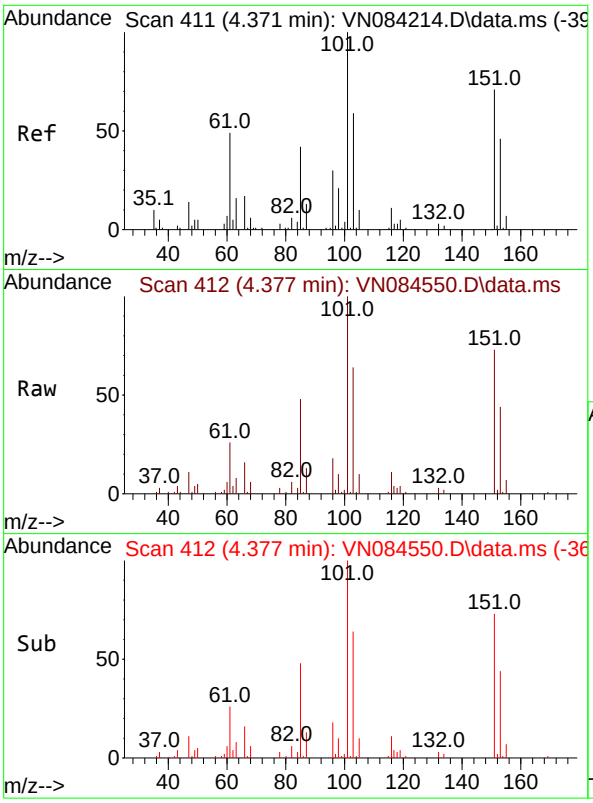


#8
Diethyl Ether
Concen: 48.471 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 74 Resp: 59166

Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.7	143.1



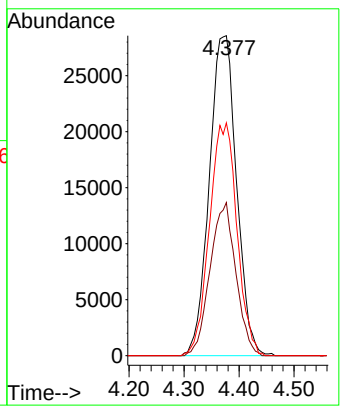


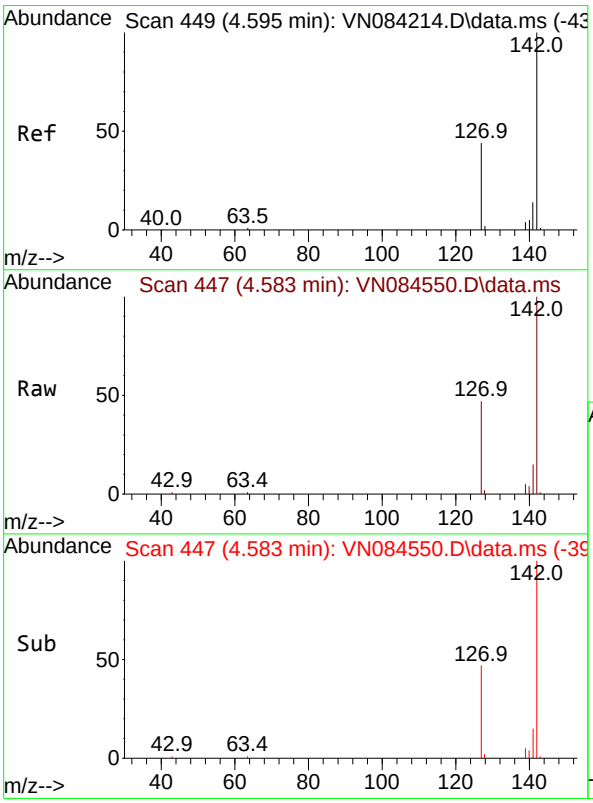
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.260 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 98554

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	73.4	59.3	88.9

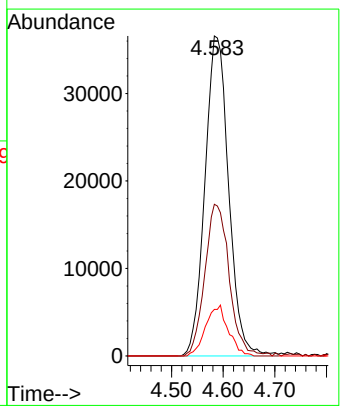


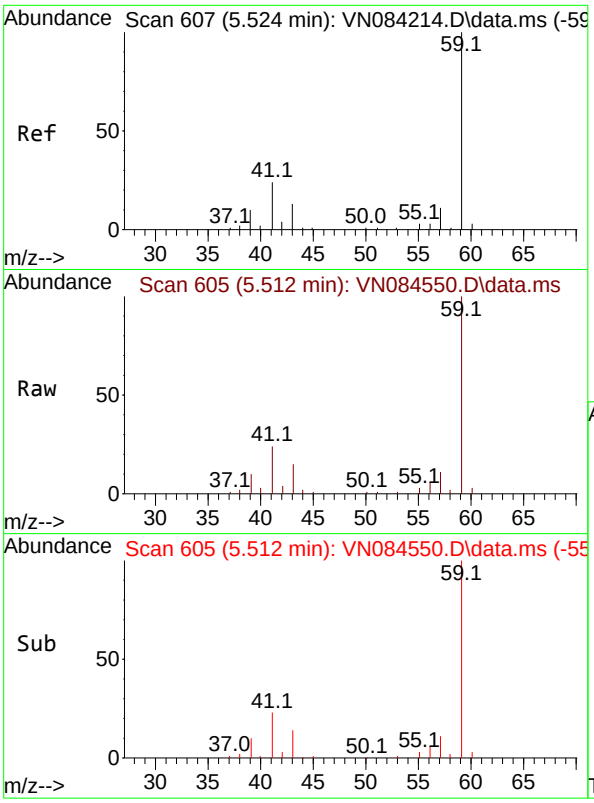


#10
Methyl Iodide
Concen: 48.011 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:142 Resp: 116600

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.3	52.9
141	14.6	11.0	16.6



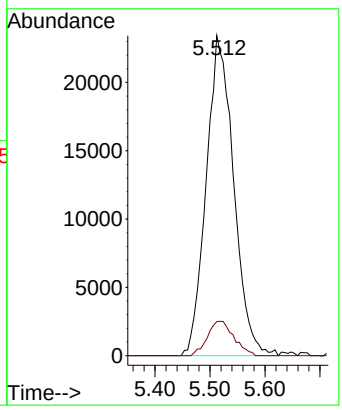


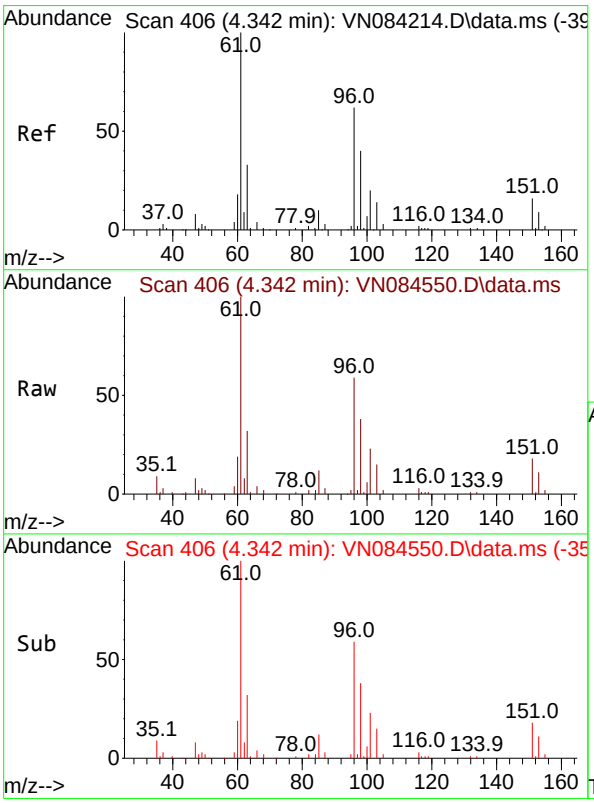
#11
Tert butyl alcohol
Concen: 205.659 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 81231

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

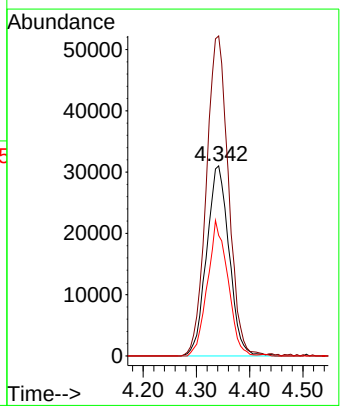


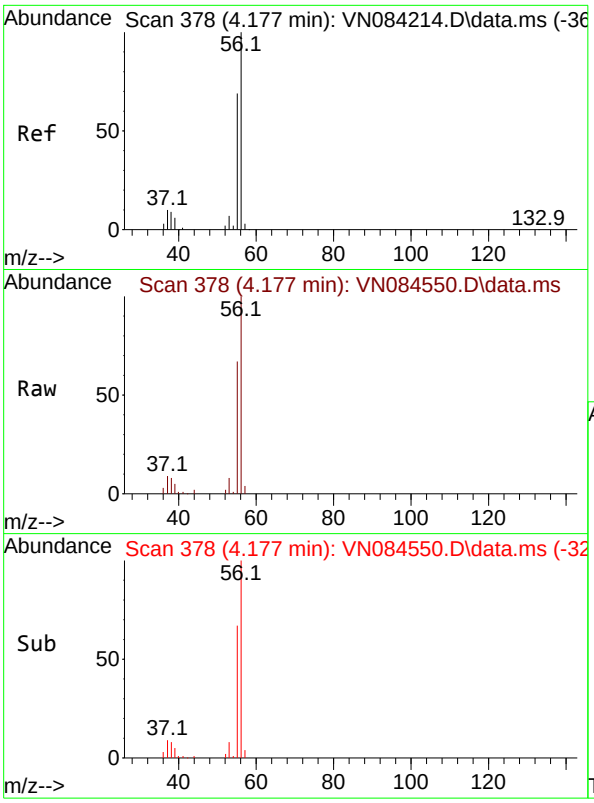


#12
1,1-Dichloroethene
Concen: 49.989 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 96 Resp: 90931

Ion	Ratio	Lower	Upper
96	100		
61	168.4	128.6	192.8
98	63.4	51.7	77.5



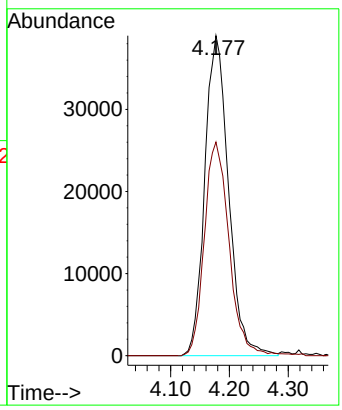


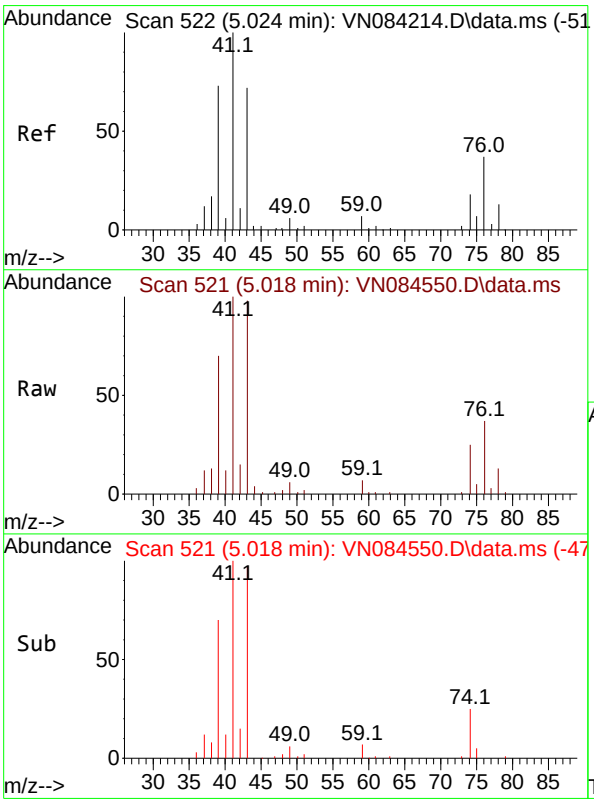
#13
Acrolein
Concen: 241.078 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 109315

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

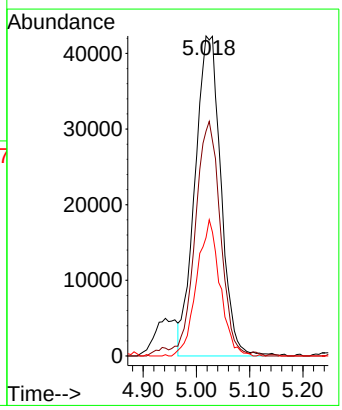


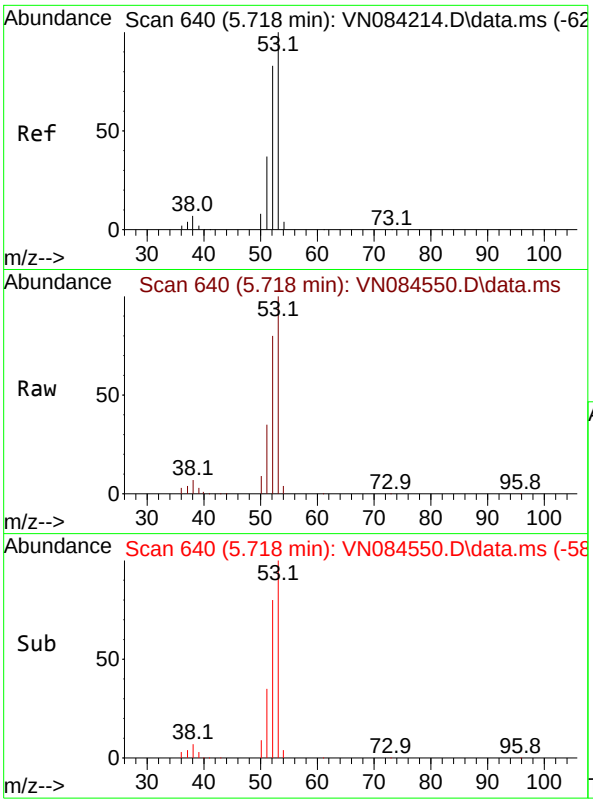


#14
Allyl chloride
Concen: 45.312 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 41 Resp: 143147

Ion	Ratio	Lower	Upper
41	100		
39	69.8	59.0	88.6
76	38.3	29.8	44.6



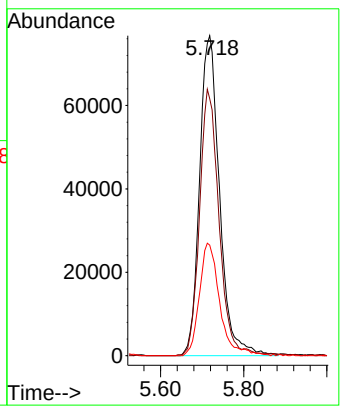


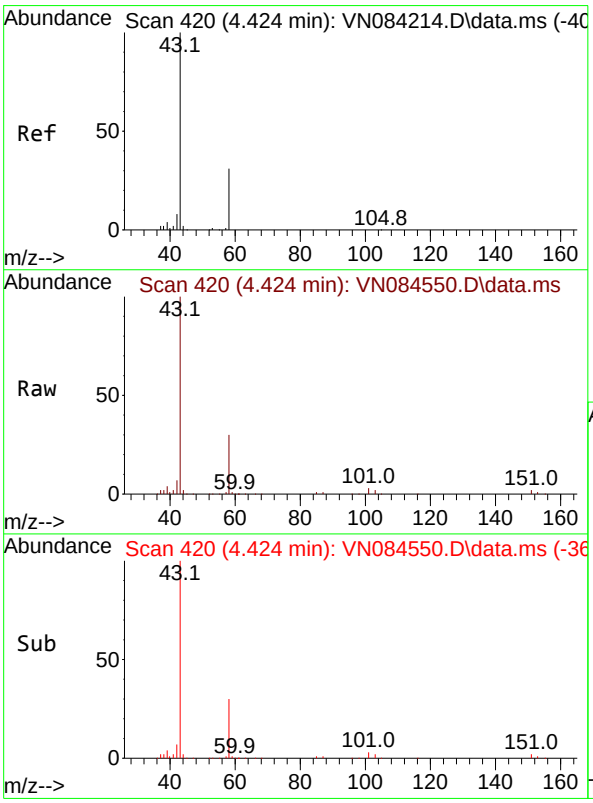
#15
Acrylonitrile
Concen: 256.919 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 256260

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.4
51	35.7	28.8	43.2

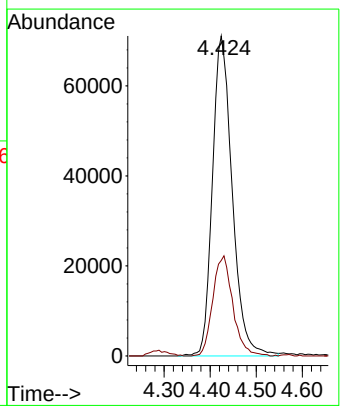


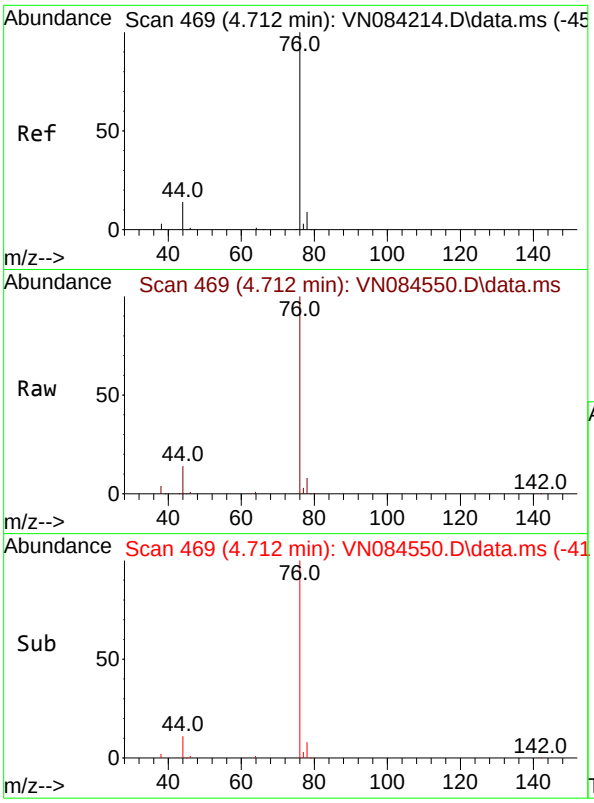


#16
Acetone
Concen: 206.092 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 212070

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6



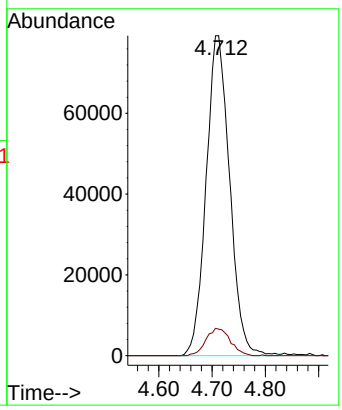


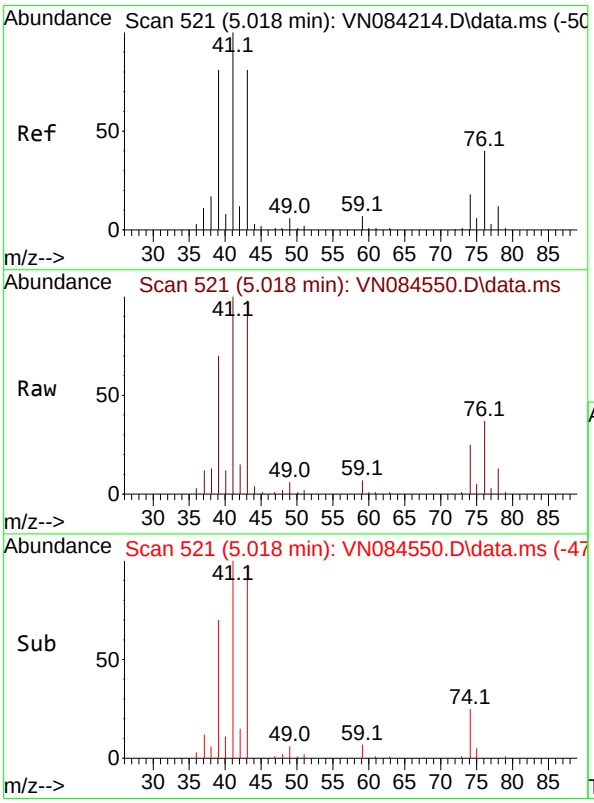
#17
Carbon Disulfide
Concen: 42.182 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 242934

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

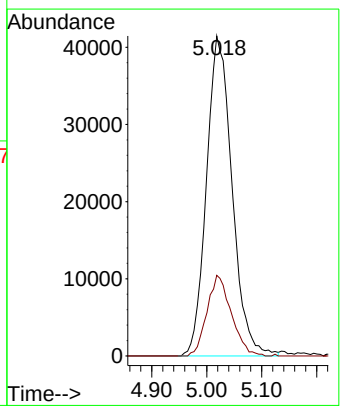


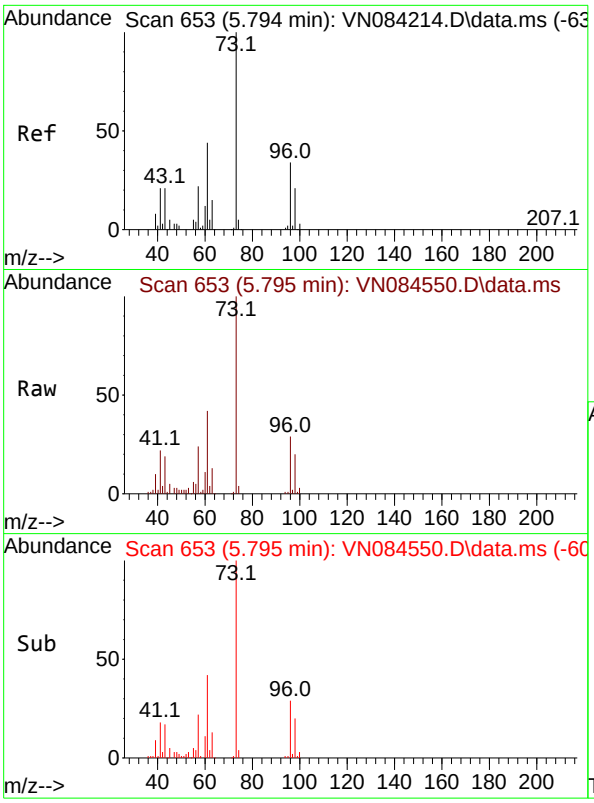


#18
Methyl Acetate
Concen: 59.855 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 134242

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8



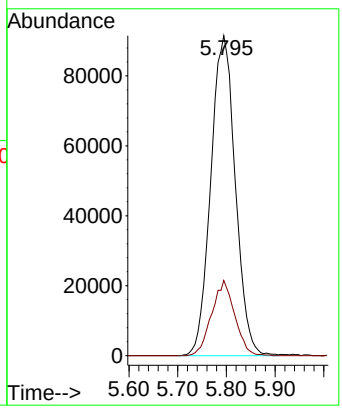


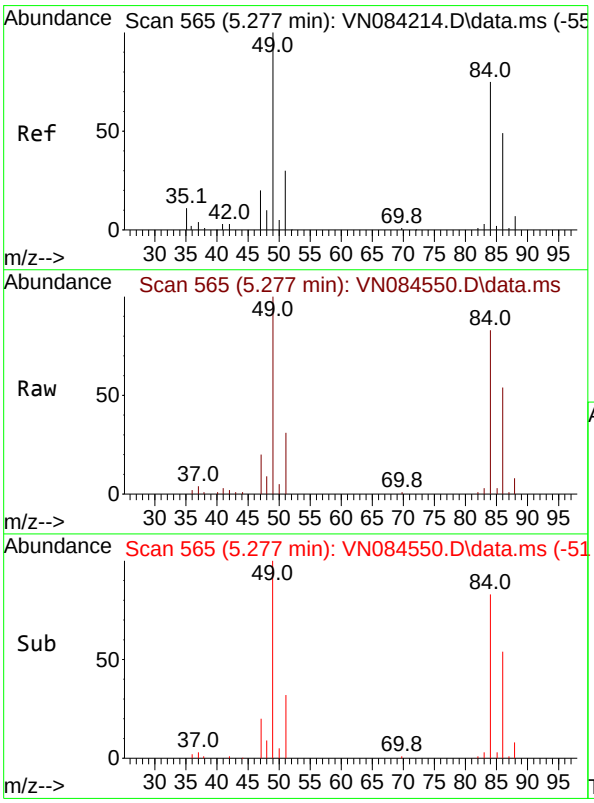
#19
Methyl tert-butyl Ether
Concen: 52.182 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 320371

Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.7	26.5

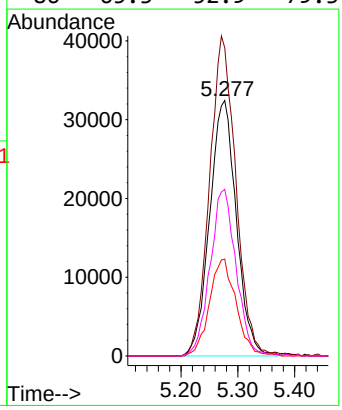


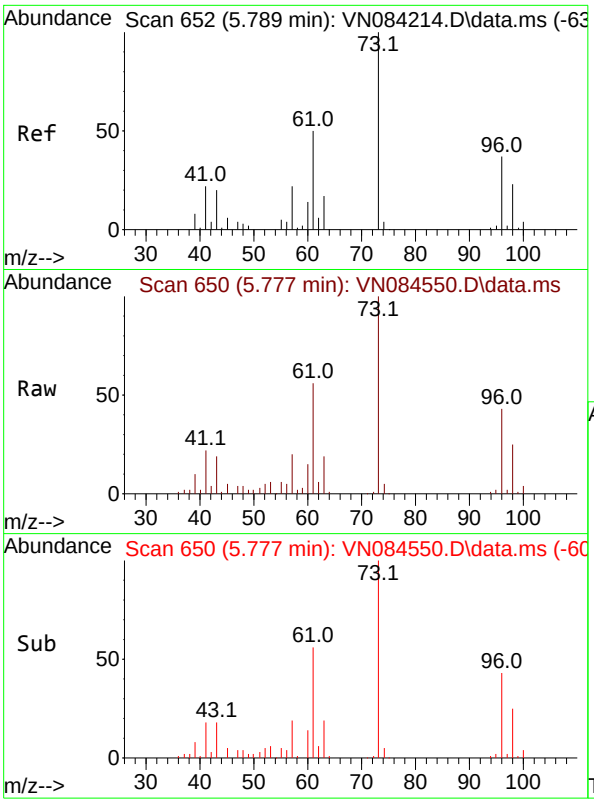


#20
Methylene Chloride
Concen: 50.640 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 84 Resp: 105926

Ion	Ratio	Lower	Upper
84	100		
49	120.7	107.2	160.8
51	37.9	31.8	47.8
86	65.3	52.9	79.3



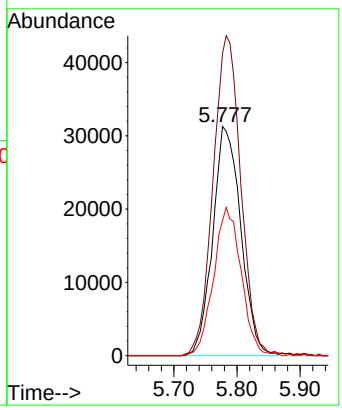


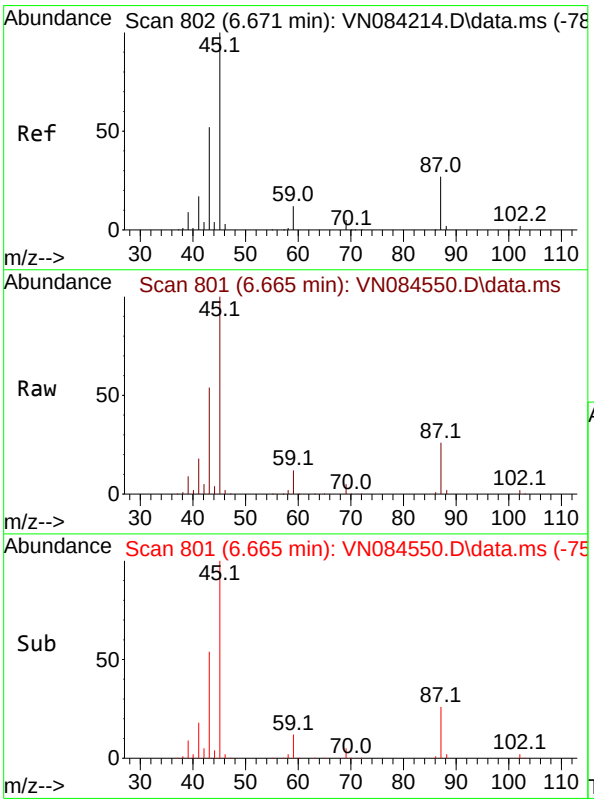
#21
trans-1,2-Dichloroethene
Concen: 50.620 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 96468

Ion	Ratio	Lower	Upper
96	100		
61	131.8	108.4	162.6
98	58.9	49.8	74.8

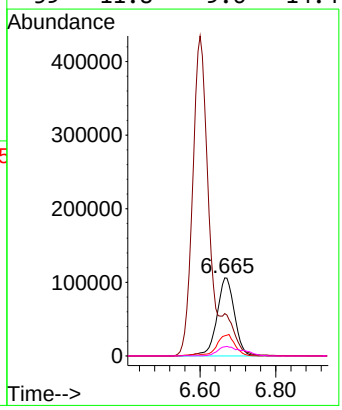


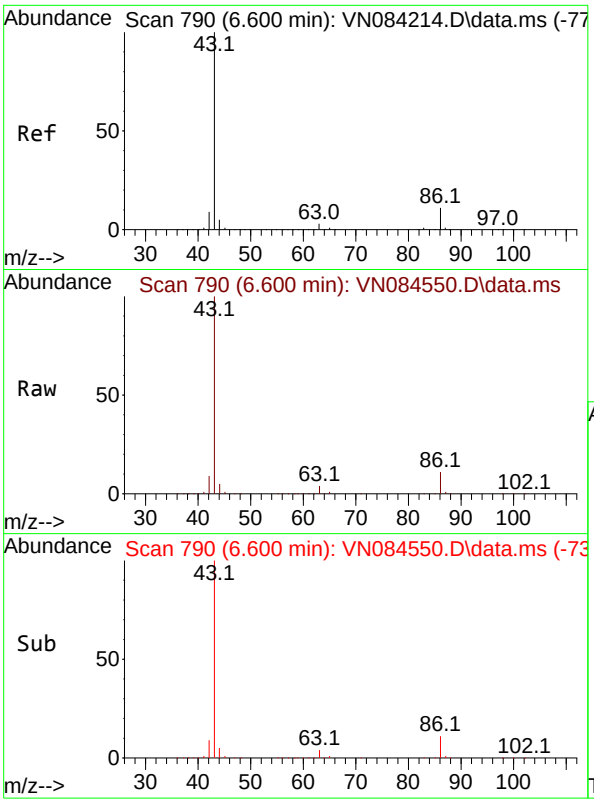


#22
Diisopropyl ether
Concen: 52.311 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 45 Resp: 341825

Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.3	63.5
87	25.9	21.8	32.6
59	11.8	9.6	14.4



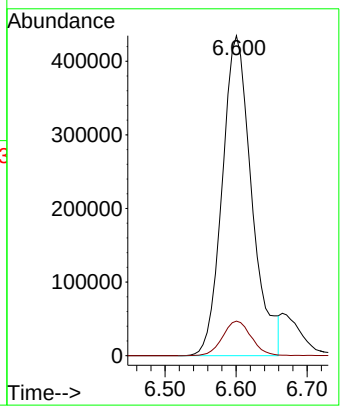


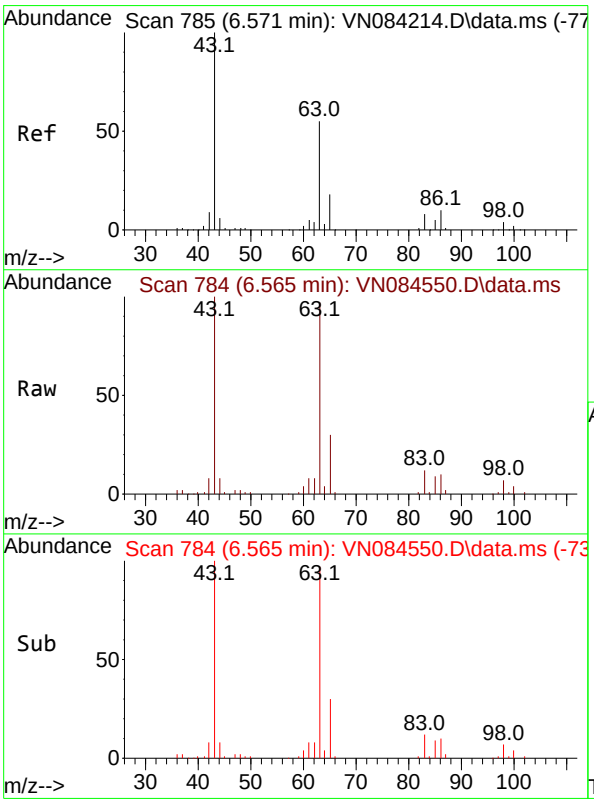
#23
Vinyl Acetate
Concen: 258.966 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1255111

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

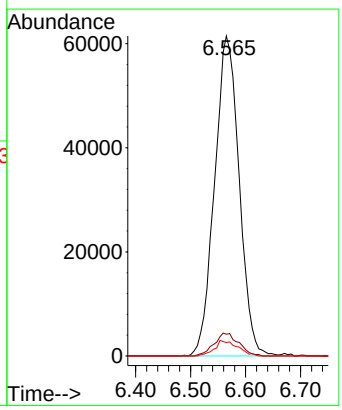


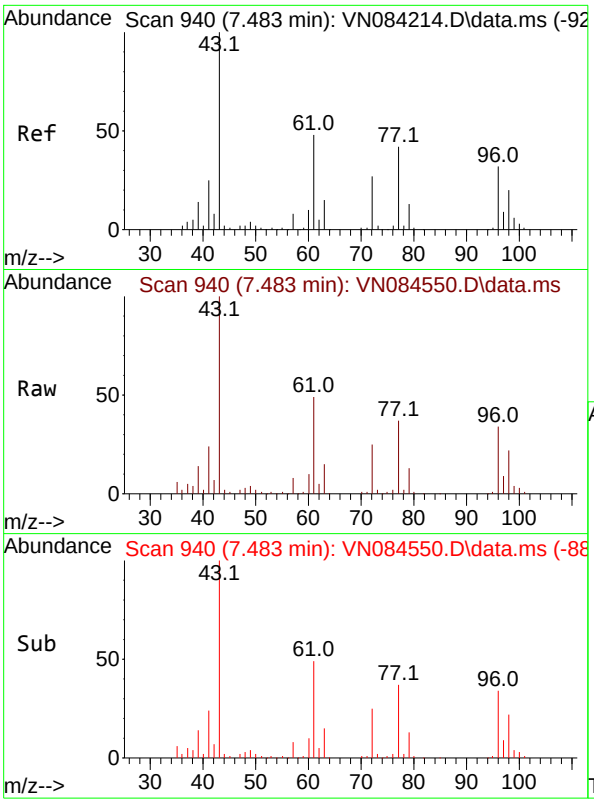


#24
1,1-Dichloroethane
Concen: 52.192 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 63 Resp: 190723

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.2	2.0	5.8



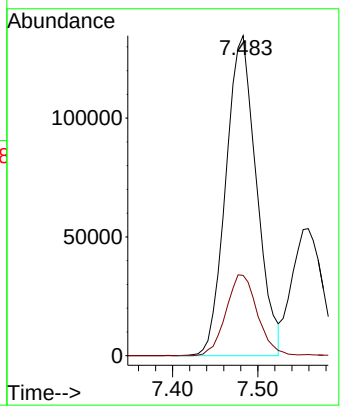


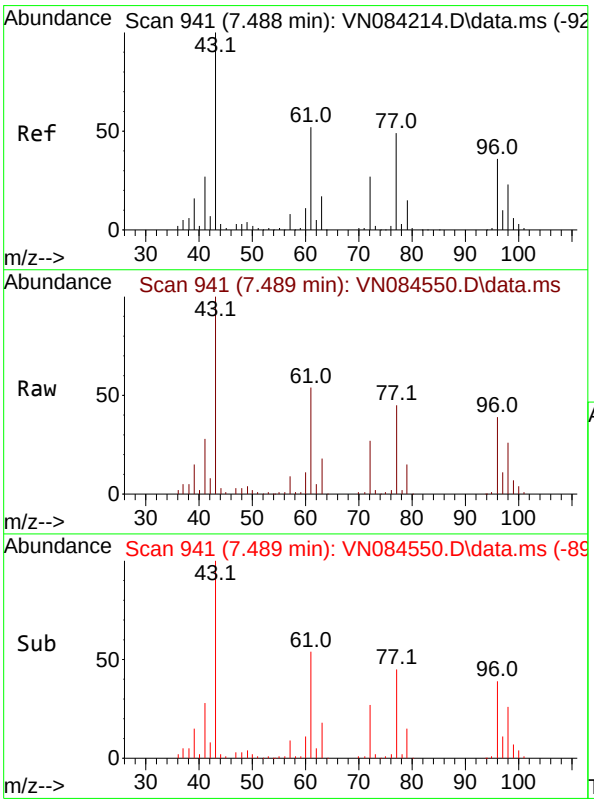
#25
2-Butanone
Concen: 240.294 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 336778

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

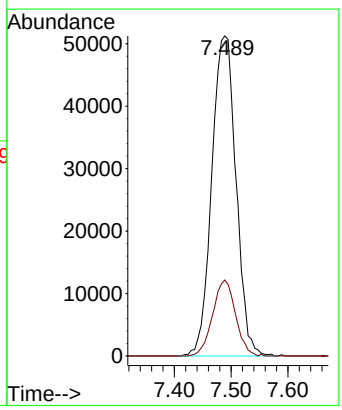


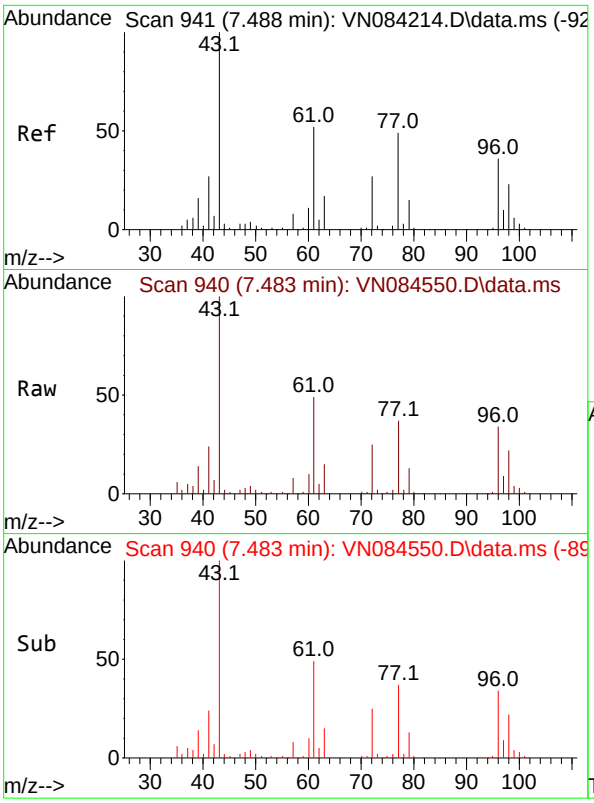


#26
2,2-Dichloropropane
Concen: 46.062 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 77 Resp: 151767

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



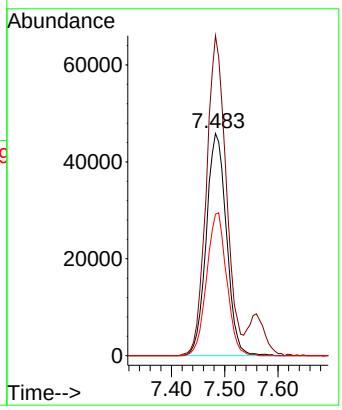


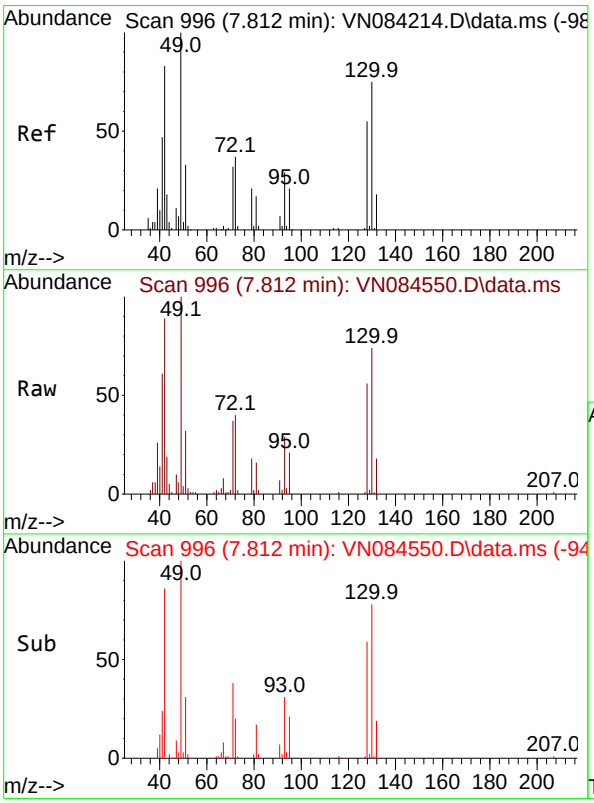
#27
cis-1,2-Dichloroethene
Concen: 52.393 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 120655

Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	301.8
98	63.7	0.0	128.2

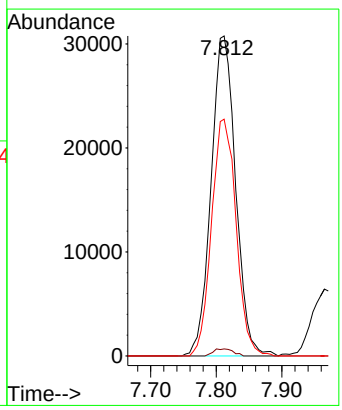


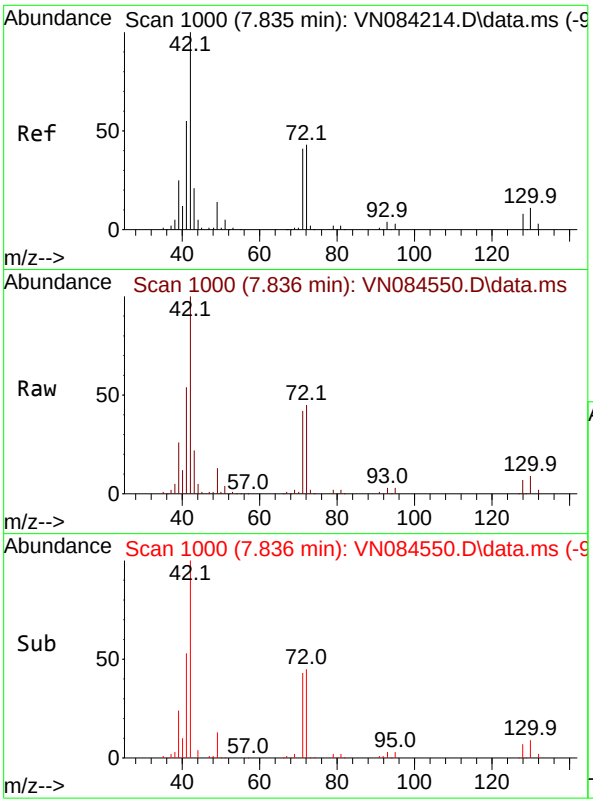


#28
Bromochloromethane
Concen: 49.048 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 49 Resp: 79971

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	74.0	58.0	87.0



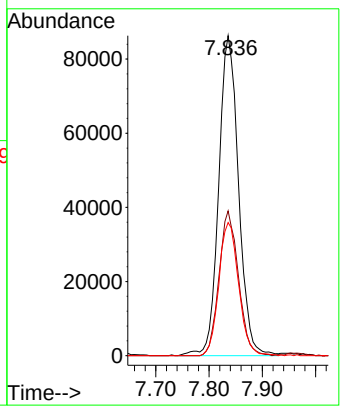


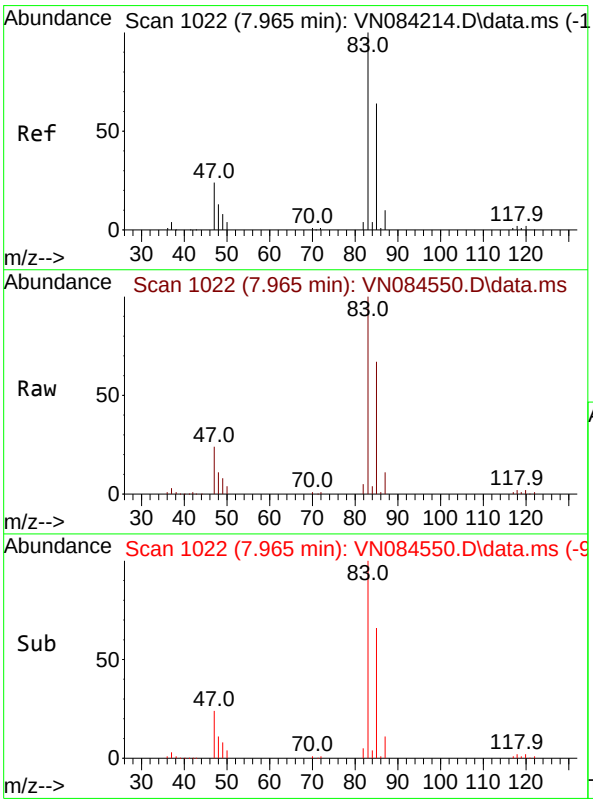
#29
Tetrahydrofuran
Concen: 258.688 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 223740

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	51.8
71	41.4	32.2	48.4

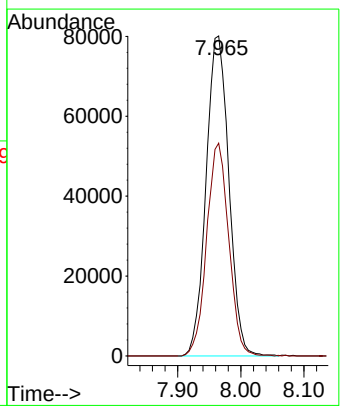


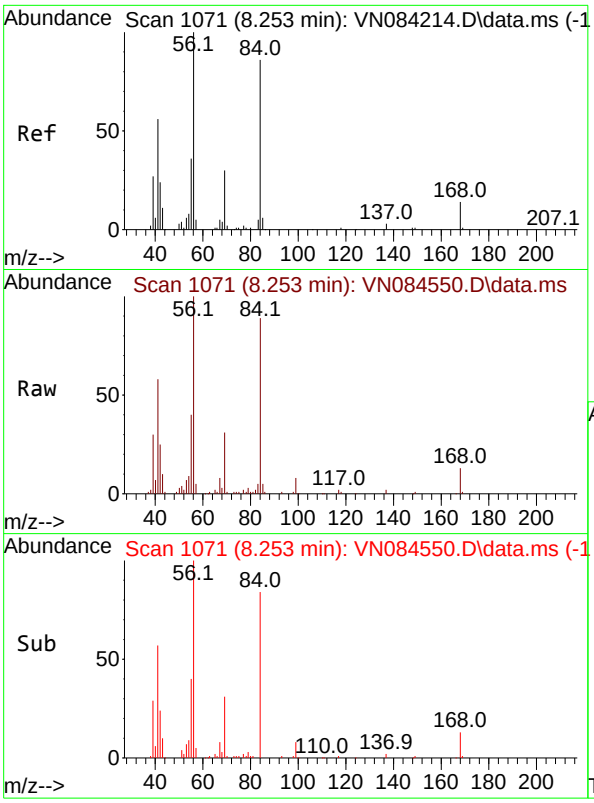


#30
Chloroform
Concen: 52.910 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 83 Resp: 200839

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.0	76.4



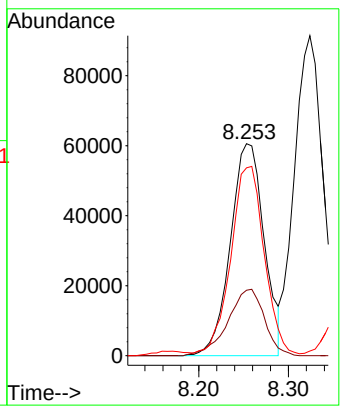


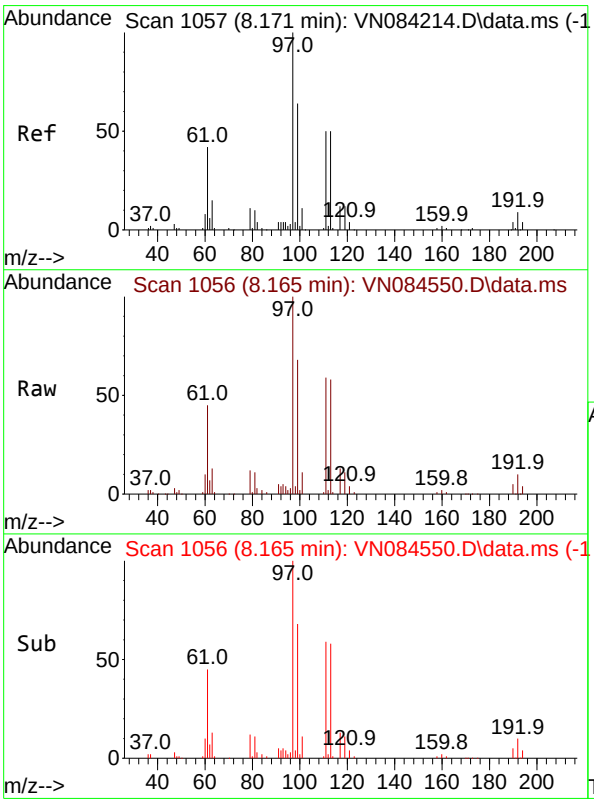
#31
Cyclohexane
Concen: 44.753 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 158787

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	86.7	68.8	103.2

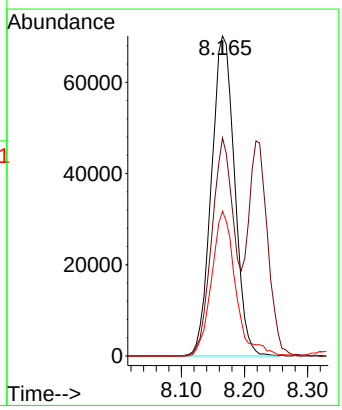


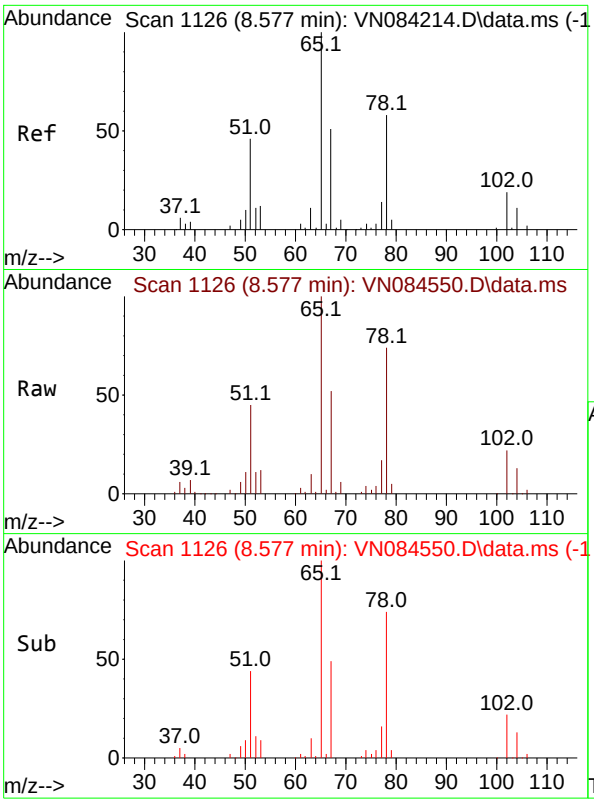


#32
1,1,1-Trichloroethane
Concen: 52.455 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 97 Resp: 178824

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	46.8	37.5	56.3



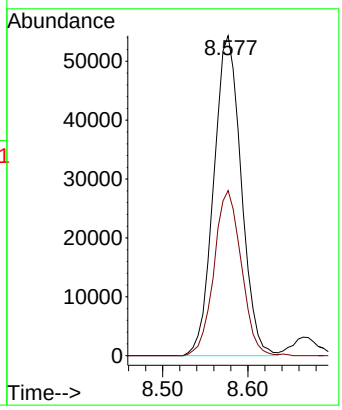


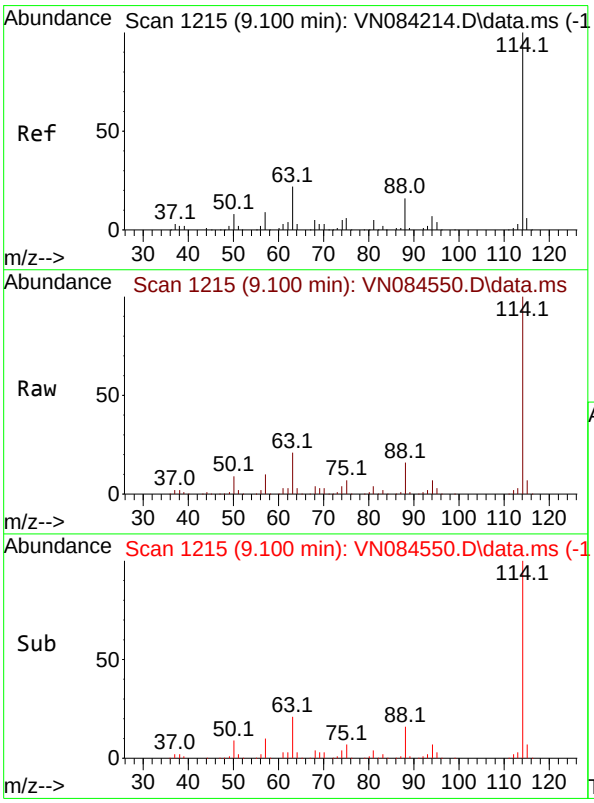
#33
1,2-Dichloroethane-d4
Concen: 50.827 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 121750

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.0

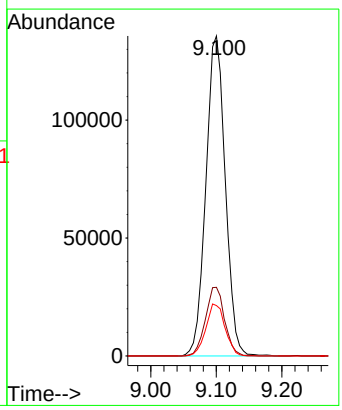


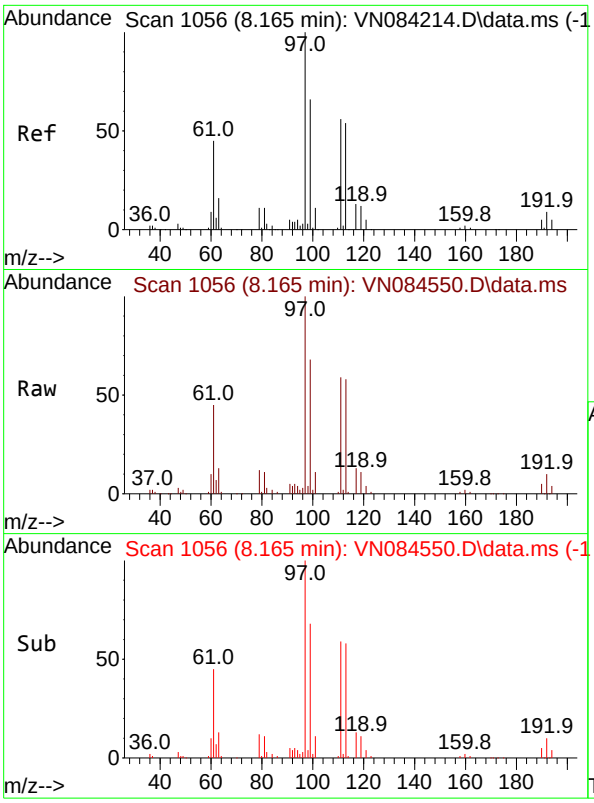


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:114 Resp: 278976

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	15.8	0.0	31.6



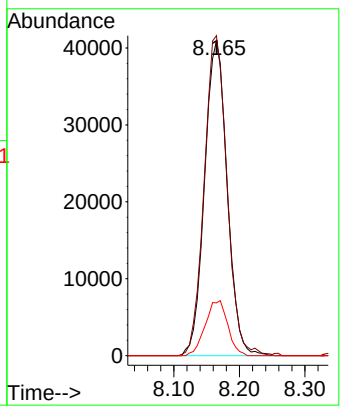


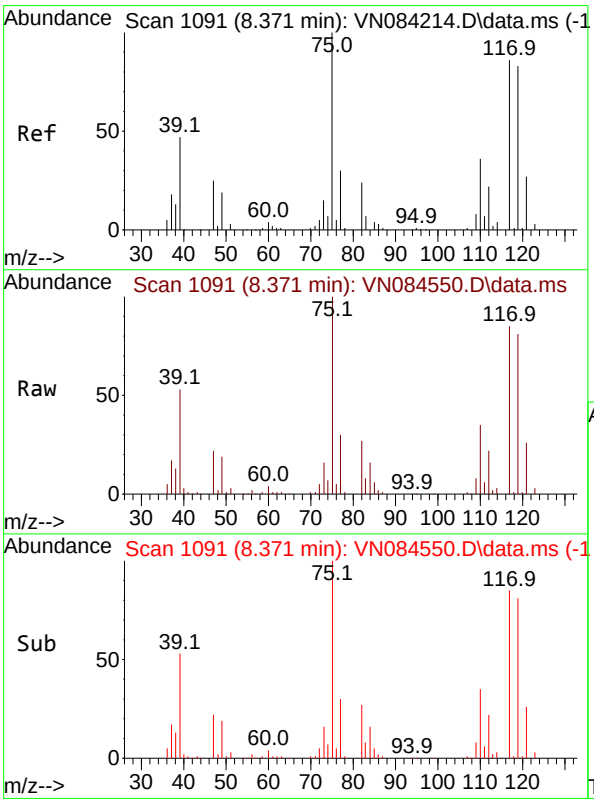
#35
Dibromofluoromethane
Concen: 53.305 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 98037

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.4	13.5	20.3

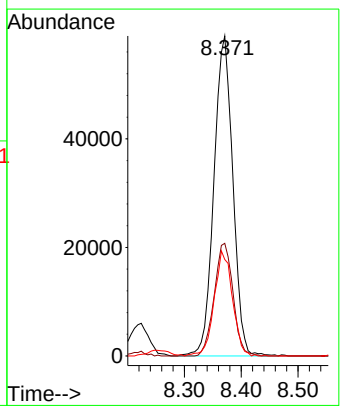


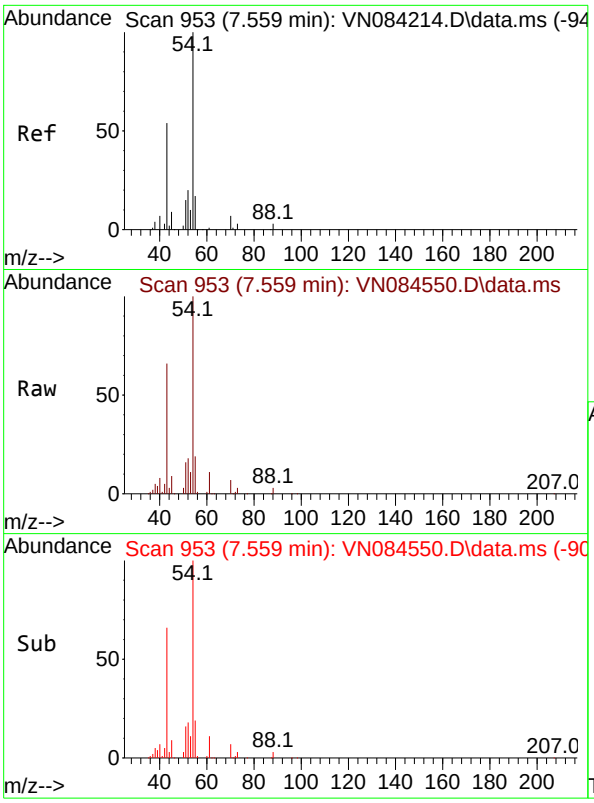


#36
1,1-Dichloropropene
Concen: 51.083 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 136466

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	31.7	24.7	37.1



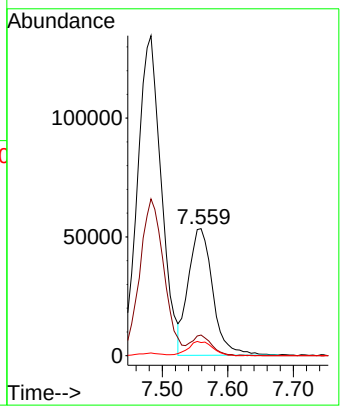


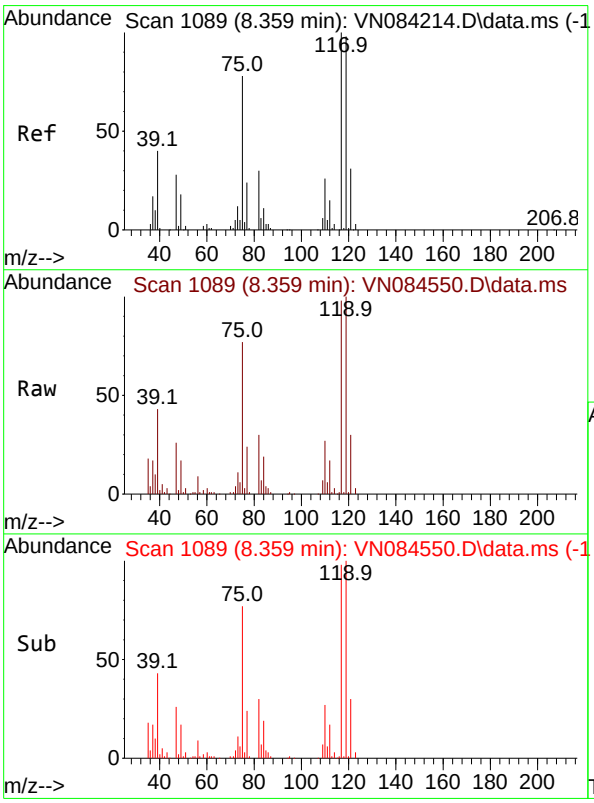
#37
Ethyl Acetate
Concen: 50.519 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 138459

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	11.2	8.8	13.2

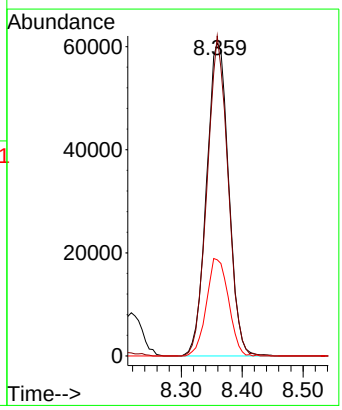


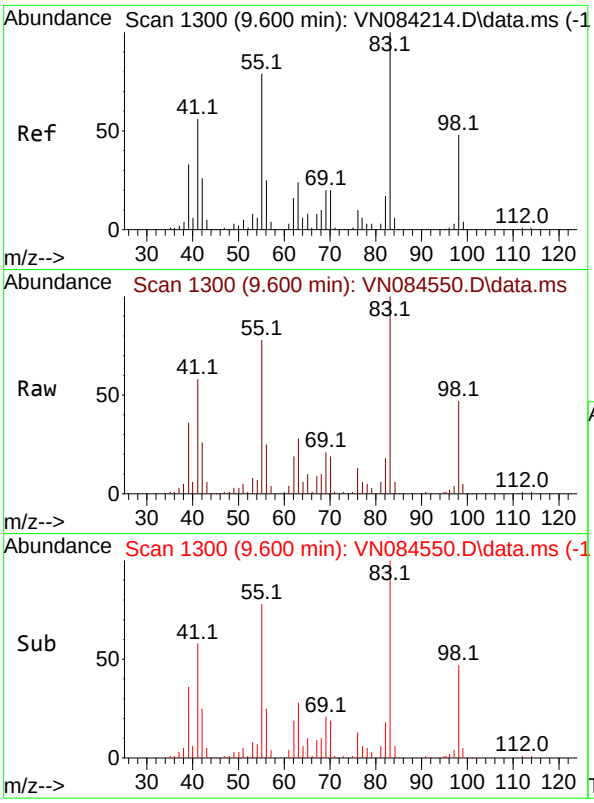


#38
Carbon Tetrachloride
Concen: 52.192 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:117 Resp: 152948

Ion	Ratio	Lower	Upper
117	100		
119	102.4	78.7	118.1
121	30.8	24.4	36.6



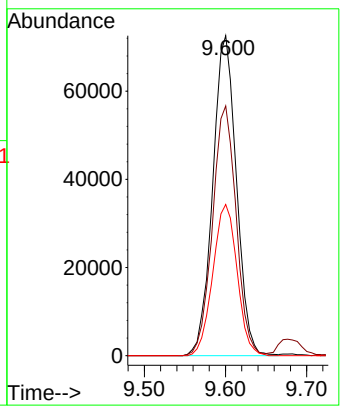


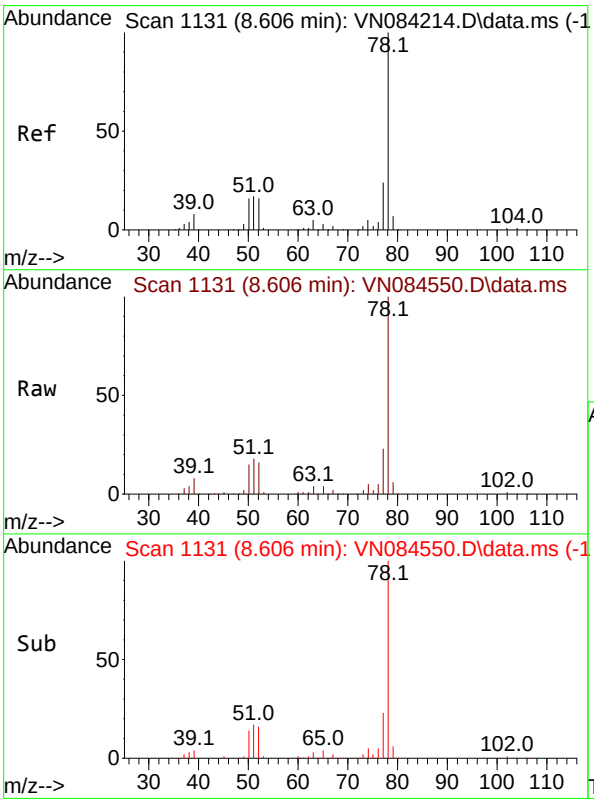
#39
Methylcyclohexane
Concen: 49.523 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 147244

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	47.2	38.8	58.2

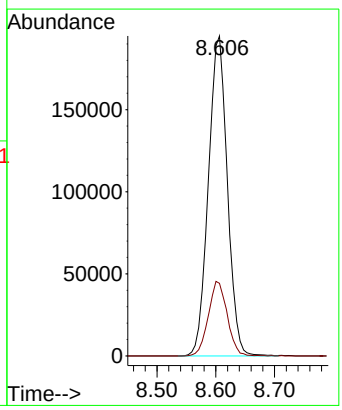


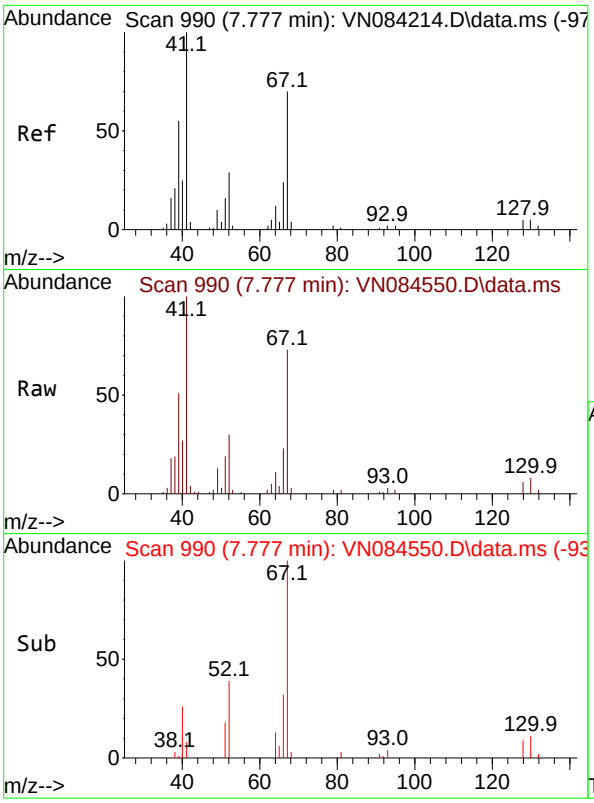


#40
Benzene
Concen: 52.498 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 78 Resp: 436967

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7



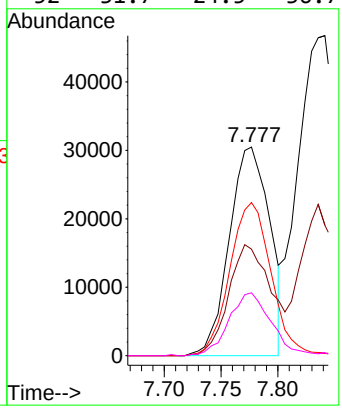


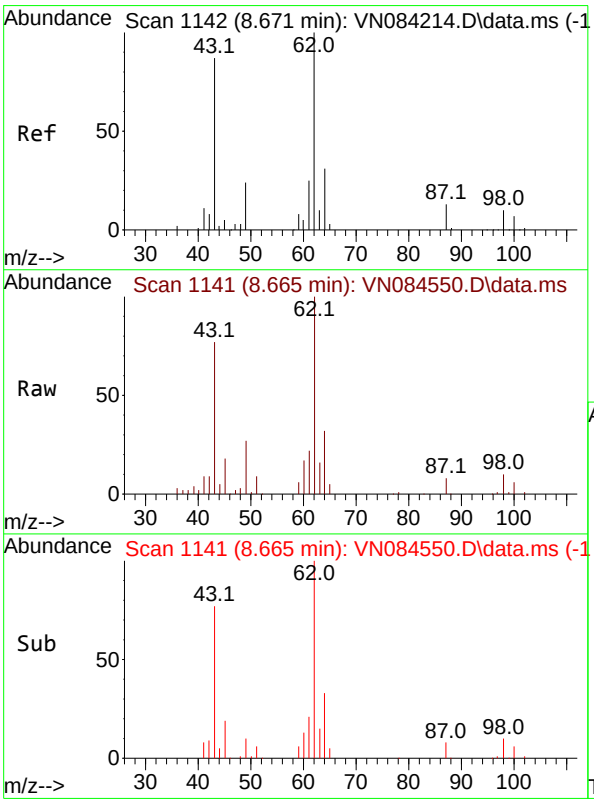
#41
Methacrylonitrile
Concen: 50.587 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 75268

Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.3	64.9
67	75.9	56.1	84.1
52	31.7	24.5	36.7

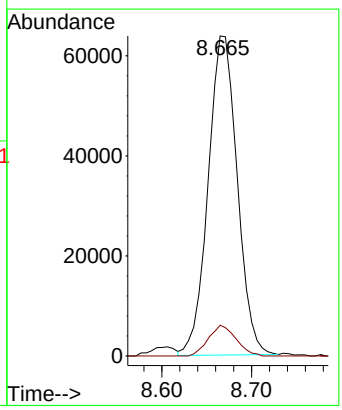


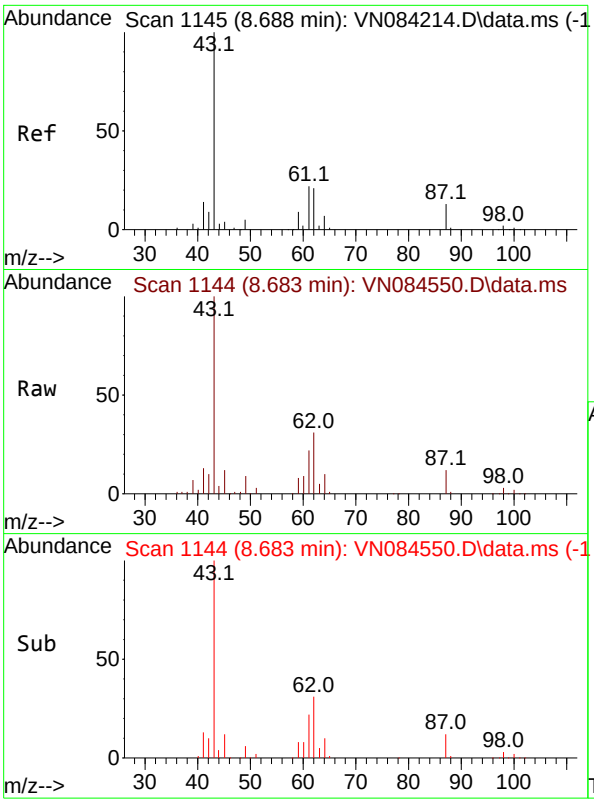


#42
1,2-Dichloroethane
Concen: 50.982 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 62 Resp: 143860

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



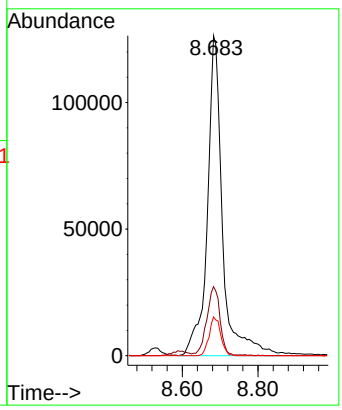


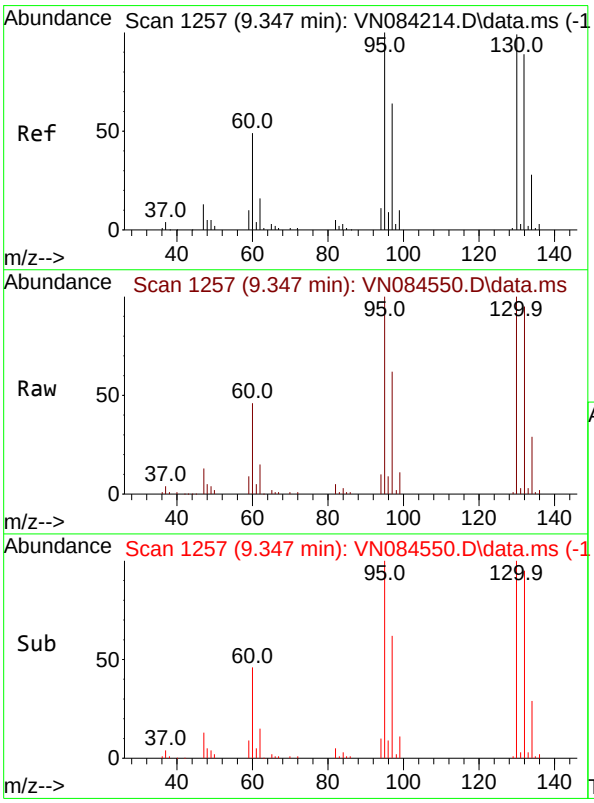
#43
Isopropyl Acetate
Concen: 65.126 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 349610

Ion	Ratio	Lower	Upper
43	100		
61	18.4	20.4	30.6#
87	9.2	10.3	15.5#

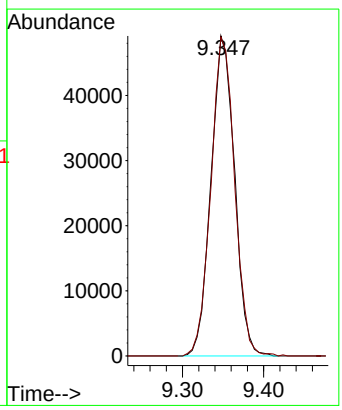


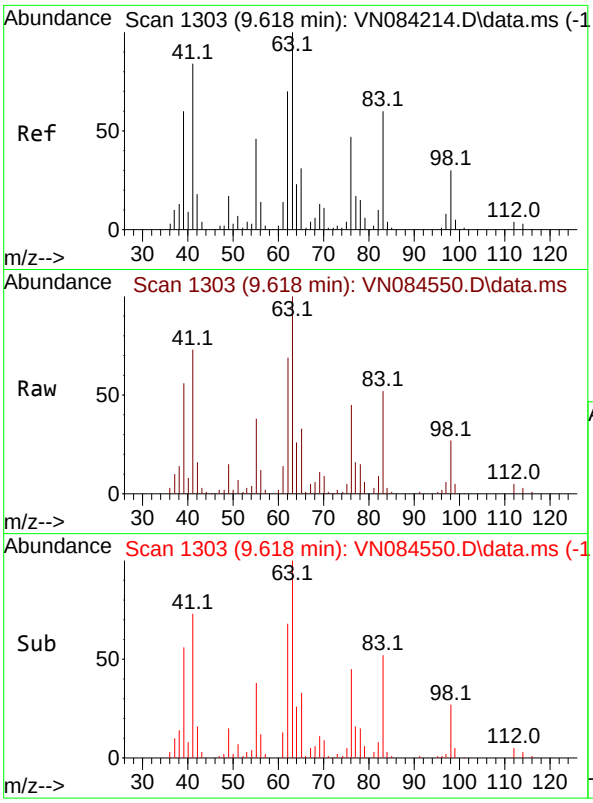


#44
Trichloroethene
Concen: 50.971 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:130 Resp: 99088

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	203.0



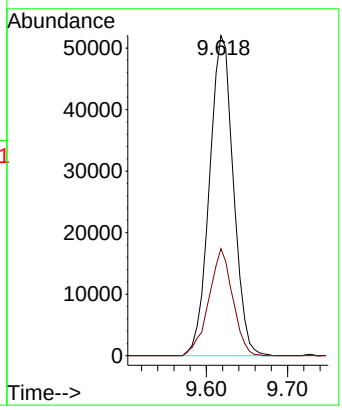


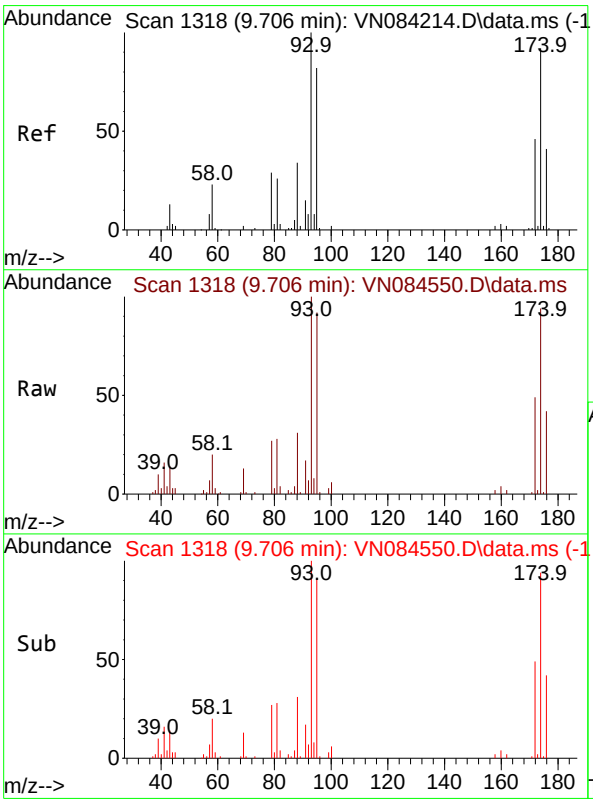
#45
1,2-Dichloropropane
Concen: 54.048 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 106420

Ion	Ratio	Lower	Upper
63	100		
65	33.5	24.6	37.0

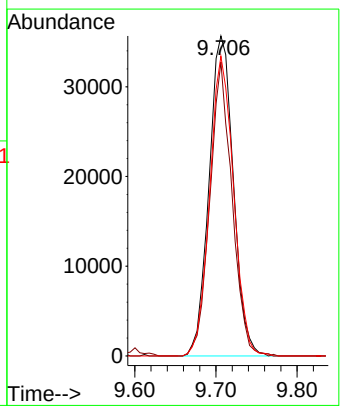


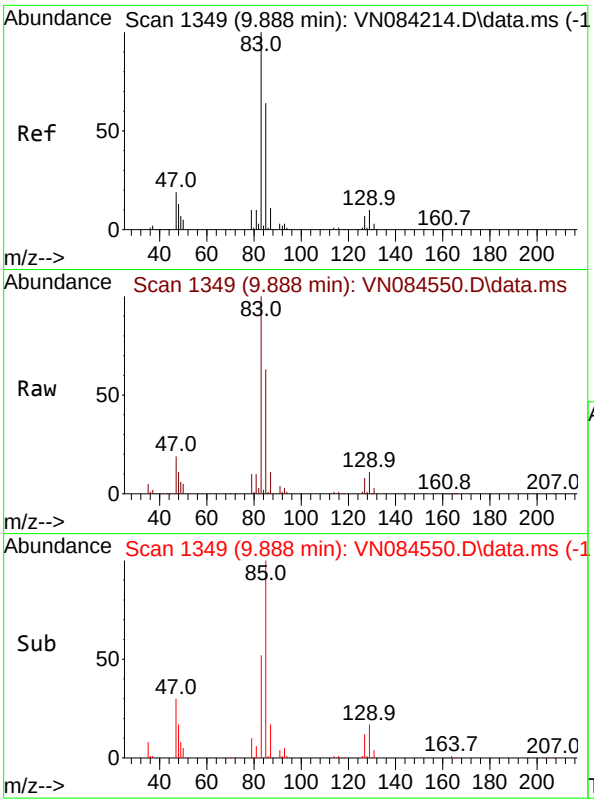


#46
Dibromomethane
Concen: 55.856 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 93 Resp: 74219

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.4
174	92.1	71.8	107.8



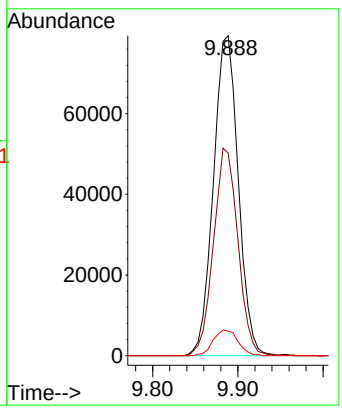


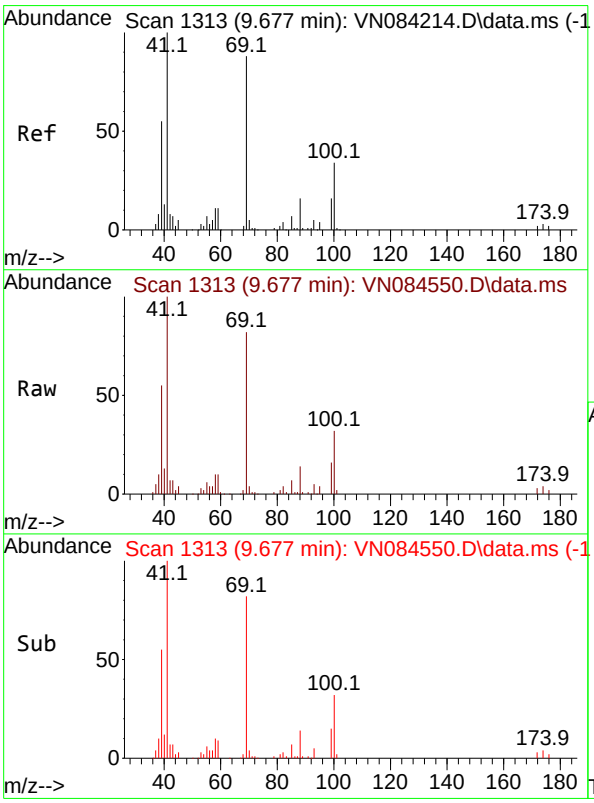
#47
Bromodichloromethane
Concen: 54.492 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 160866

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	7.7	5.7	8.5

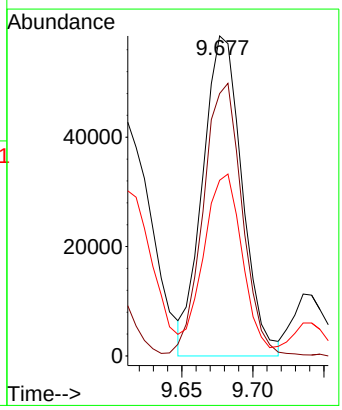


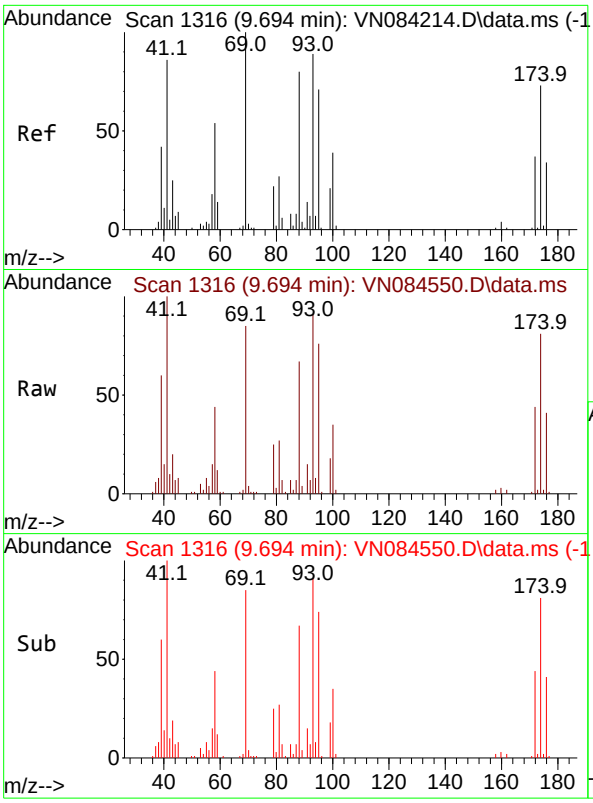


#48
Methyl methacrylate
Concen: 52.892 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 41 Resp: 113027

Ion	Ratio	Lower	Upper
41	100		
69	84.5	67.1	100.7
39	56.3	45.8	68.6



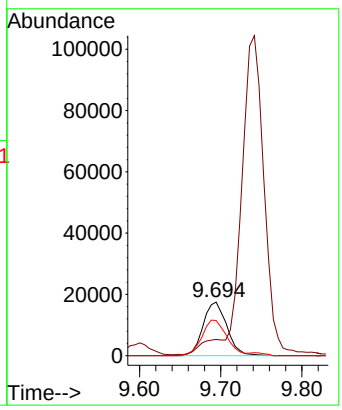


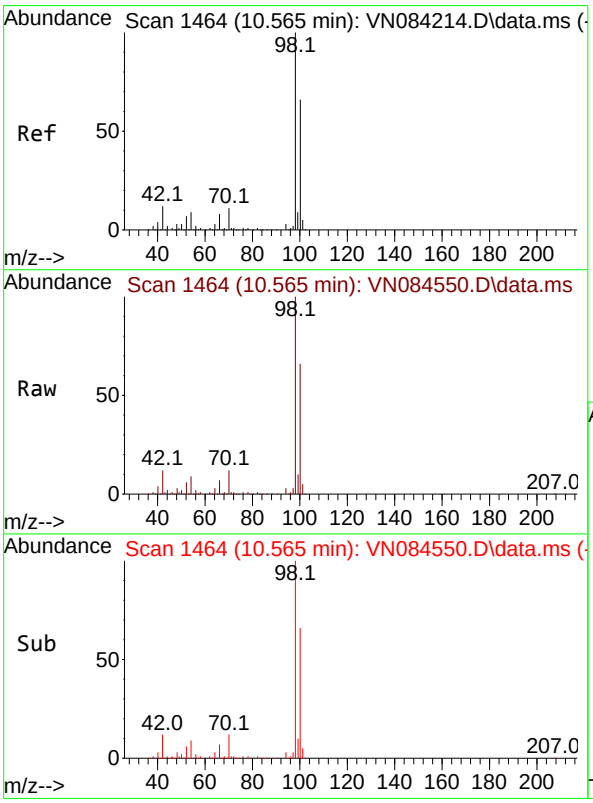
#49
1,4-Dioxane
Concen: 905.532 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 35625

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	69.6	56.4	84.6

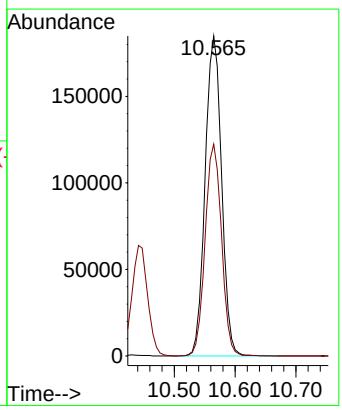


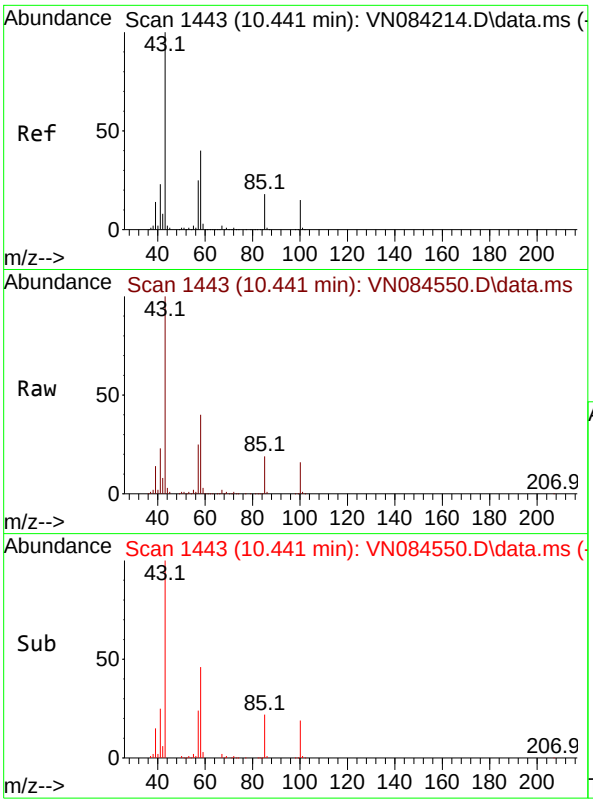


#50
Toluene-d8
Concen: 51.281 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 98 Resp: 346993

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



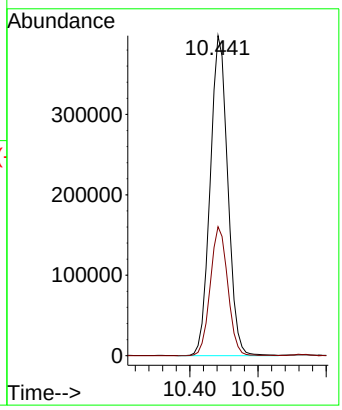


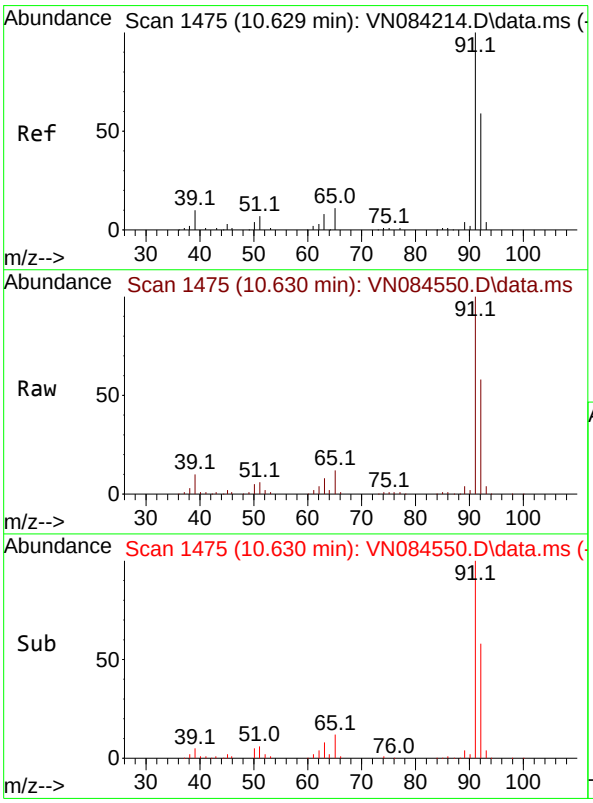
#51
4-Methyl-2-Pentanone
Concen: 273.966 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 714789

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4

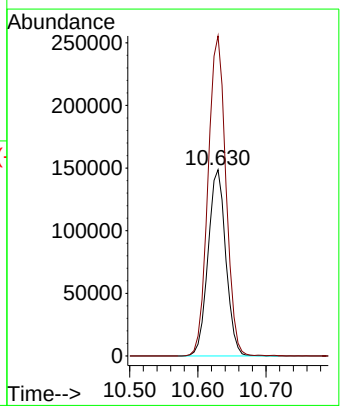


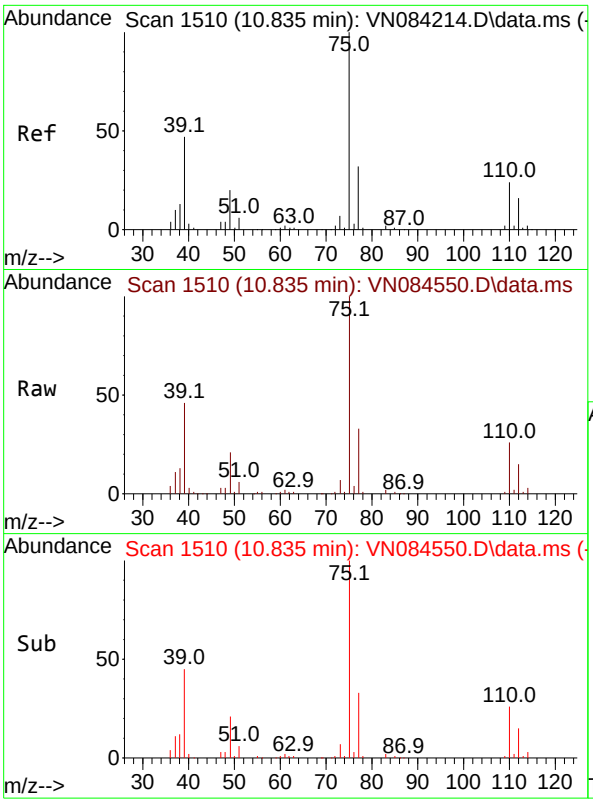


#52
Toluene
Concen: 53.095 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 92 Resp: 269489

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9



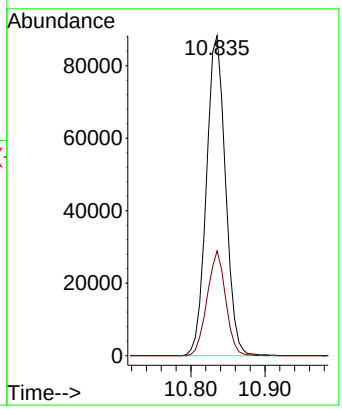


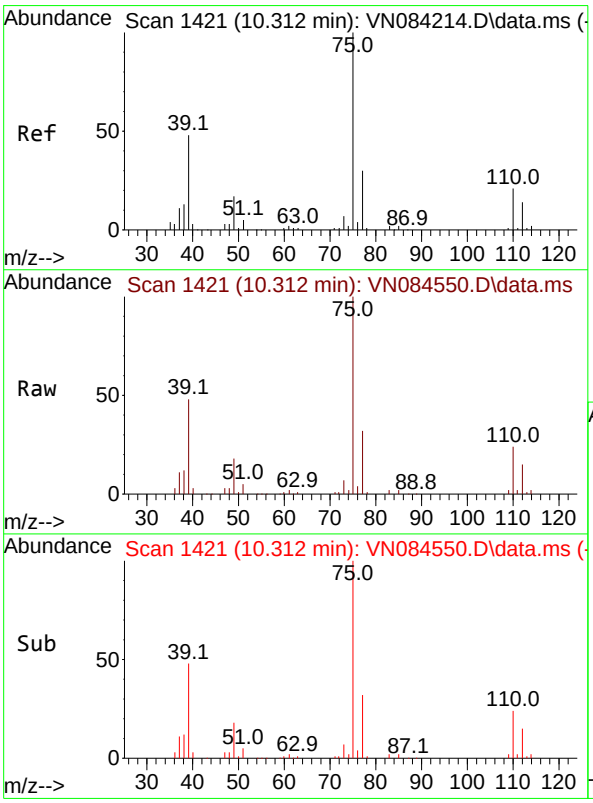
#53
t-1,3-Dichloropropene
Concen: 52.443 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 157811

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

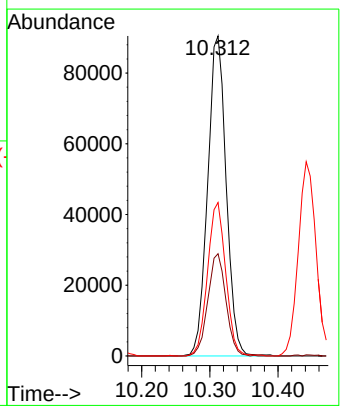


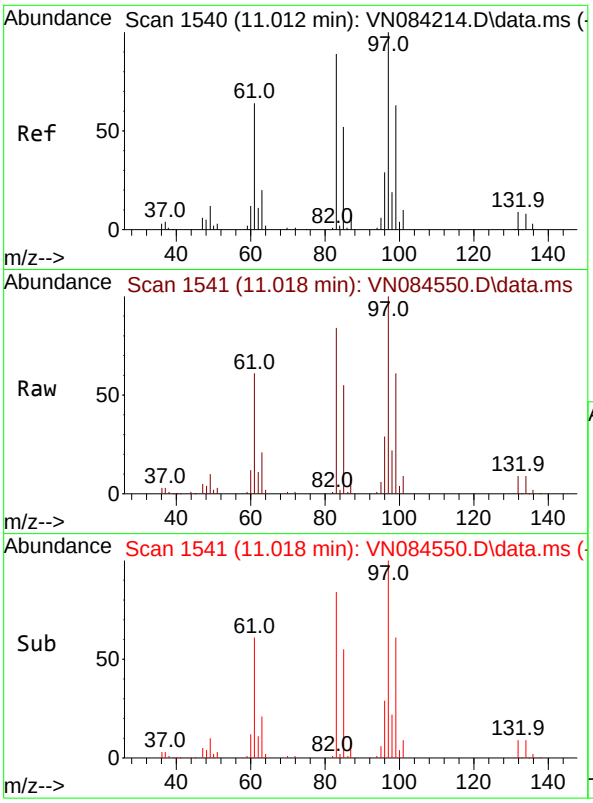


#54
cis-1,3-Dichloropropene
Concen: 52.878 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 171155

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	48.0	38.7	58.1



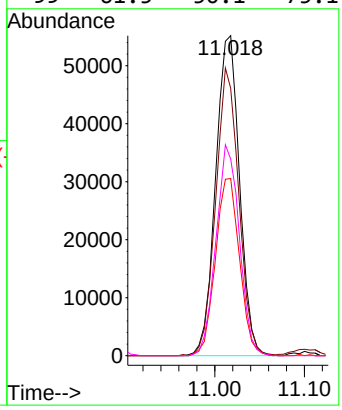


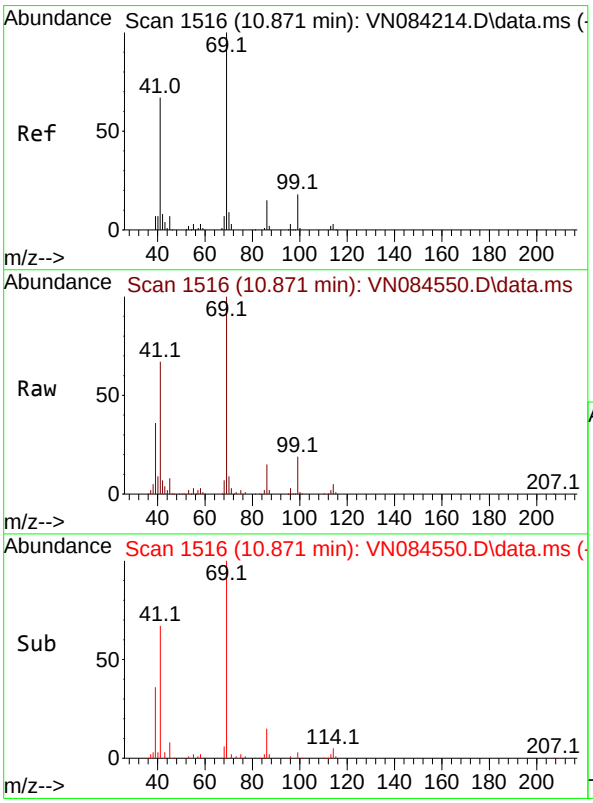
#55
1,1,2-Trichloroethane
Concen: 56.093 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 102065

Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	55.4	41.7	62.5
99	61.5	50.1	75.1

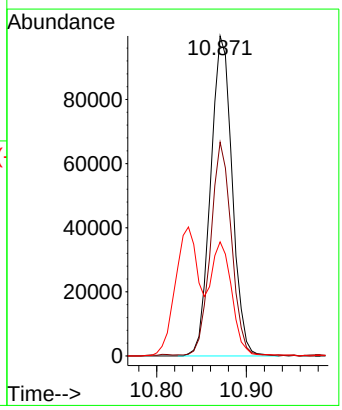


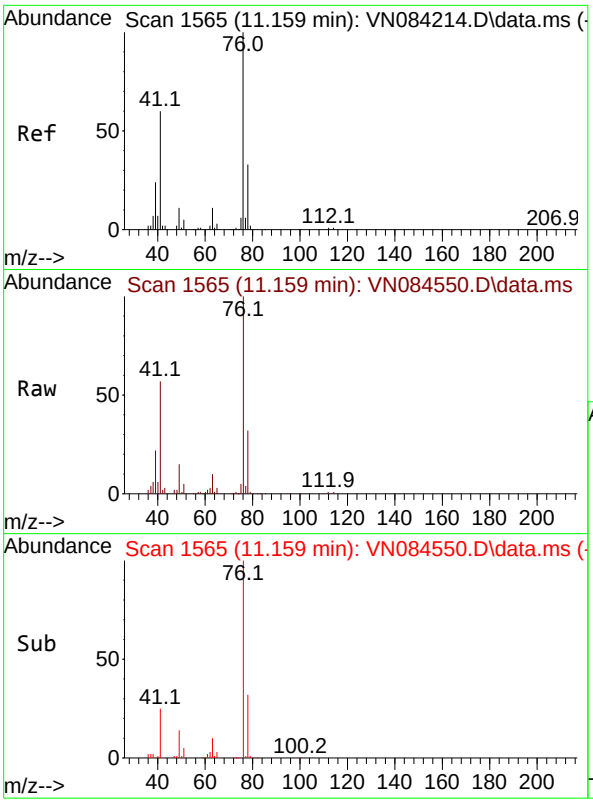


#56
Ethyl methacrylate
Concen: 55.509 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 69 Resp: 166194

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.3	79.9
39	34.9	28.8	43.2



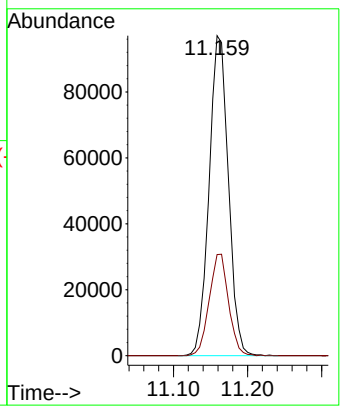


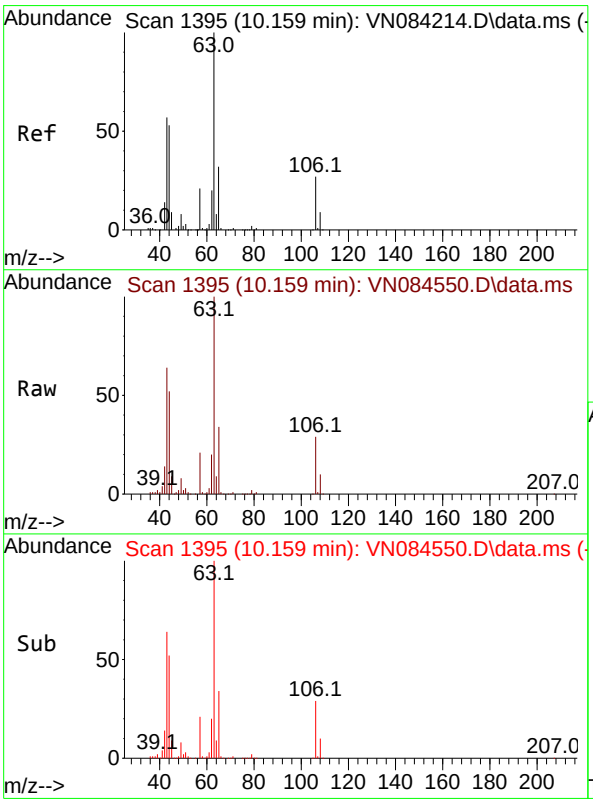
#57
1,3-Dichloropropane
Concen: 53.853 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 175092

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

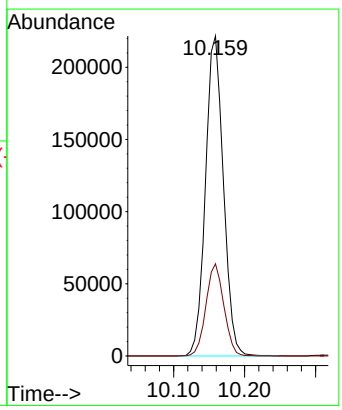


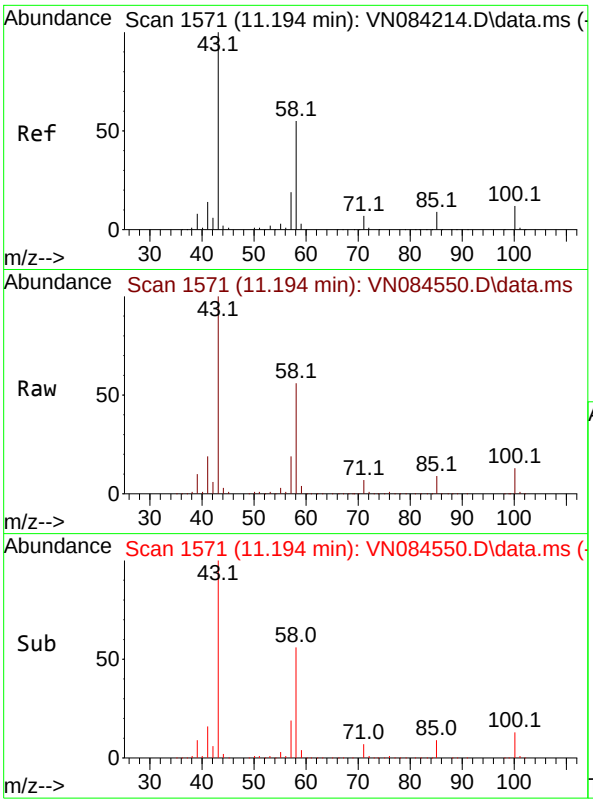


#58
2-Chloroethyl Vinyl ether
Concen: 279.356 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 63 Resp: 387998

Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.6



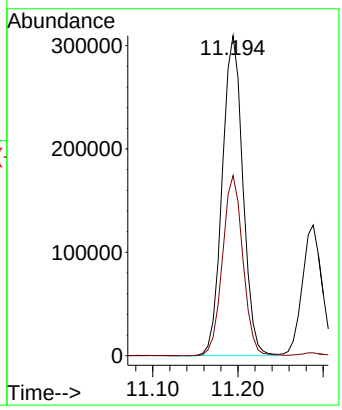


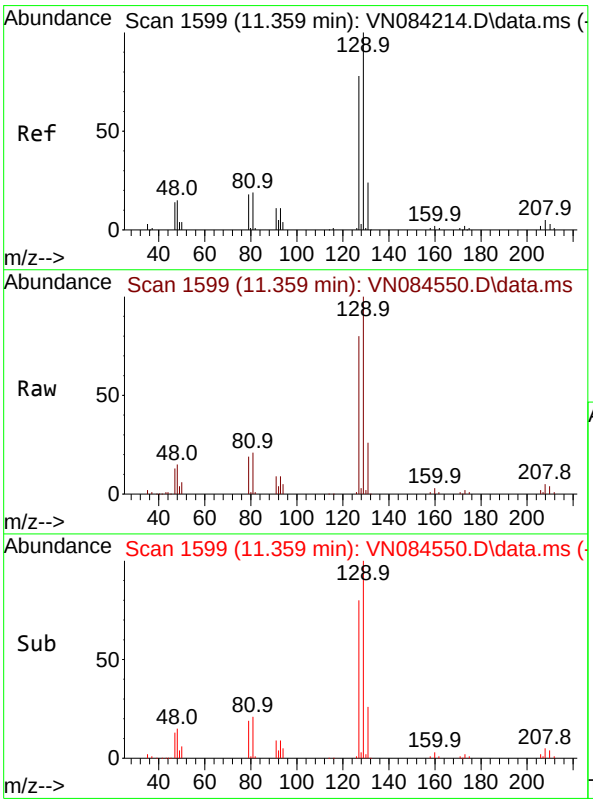
#59
2-Hexanone
Concen: 267.402 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 521443

Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.3	81.8

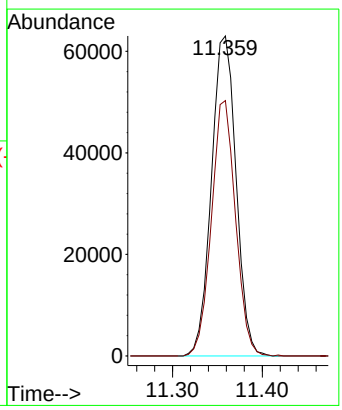


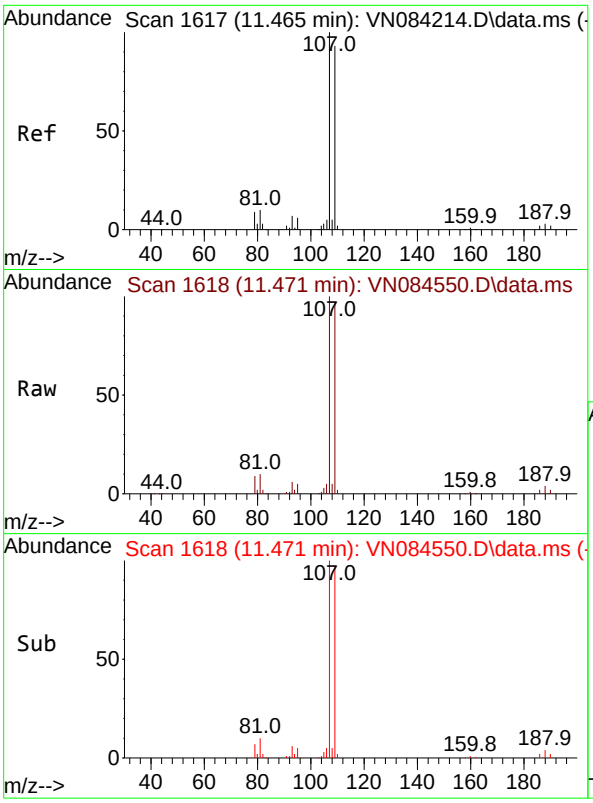


#60
Dibromochloromethane
Concen: 55.989 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:129 Resp: 120370

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9



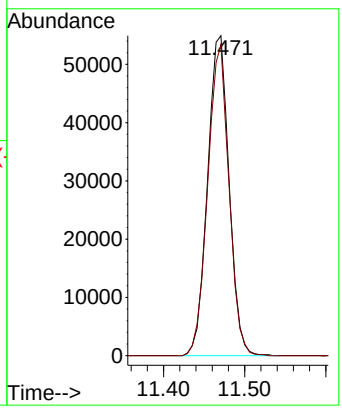


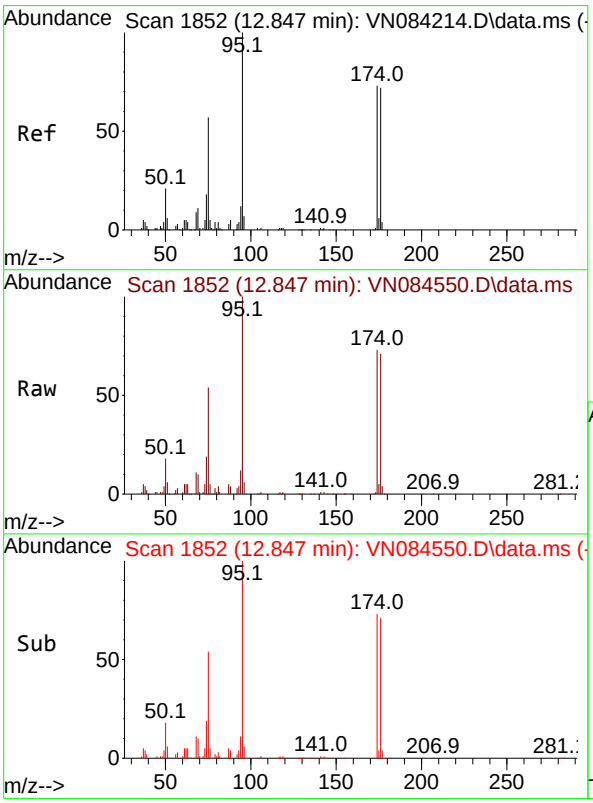
#61
1,2-Dibromoethane
Concen: 53.550 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 101246

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.4	113.0

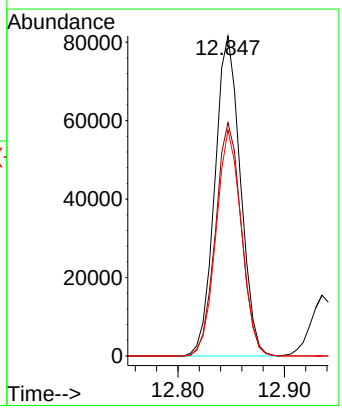


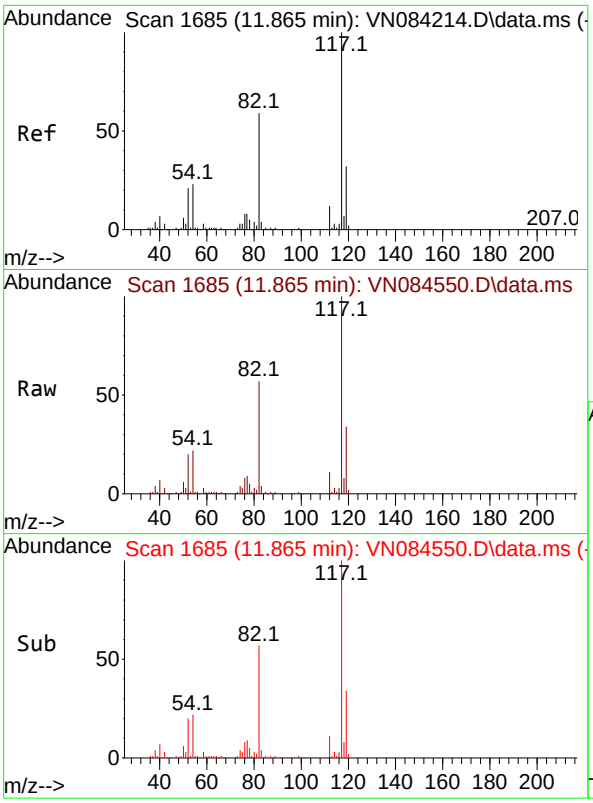


#62
4-Bromofluorobenzene
Concen: 55.163 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 95 Resp: 135984

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	70.1	0.0	140.0



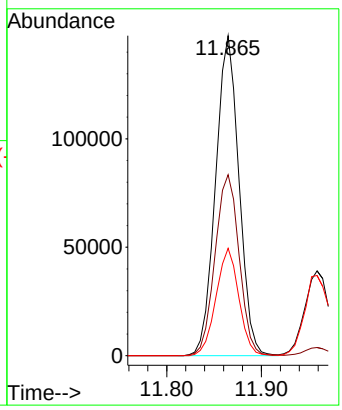


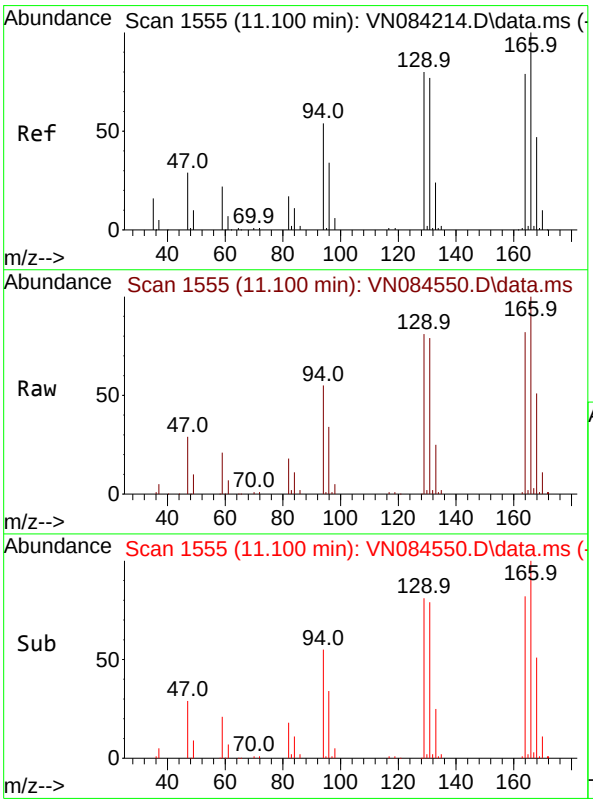
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 253605

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	33.5	25.4	38.0

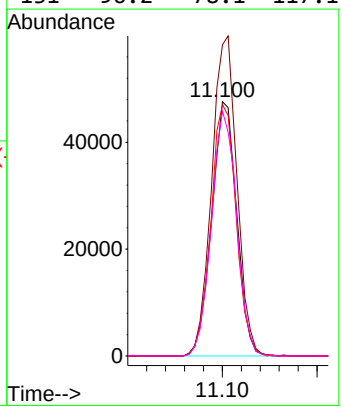


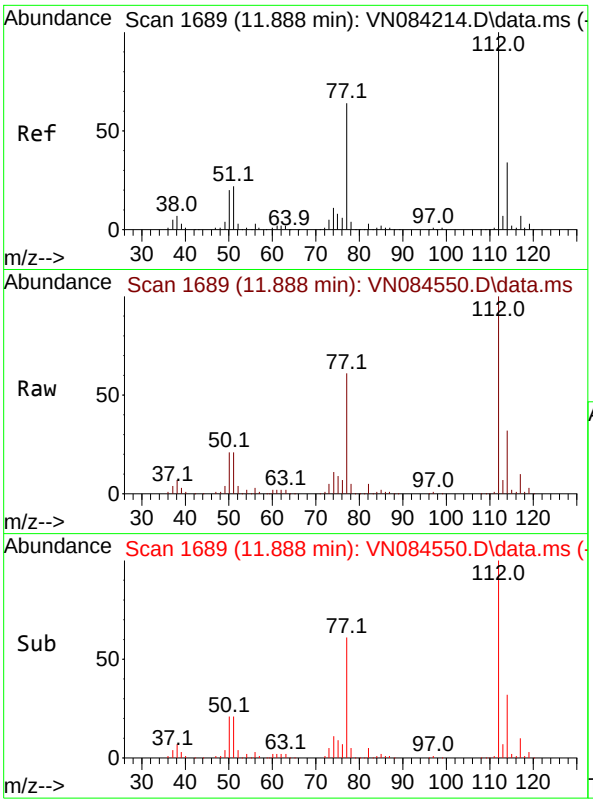


#64
Tetrachloroethene
Concen: 49.432 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:164 Resp: 87317

Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.0	151.4
129	98.8	80.8	121.2
131	96.2	78.1	117.1



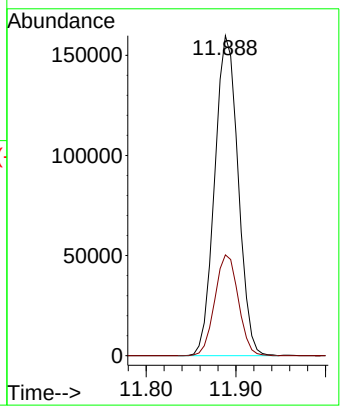


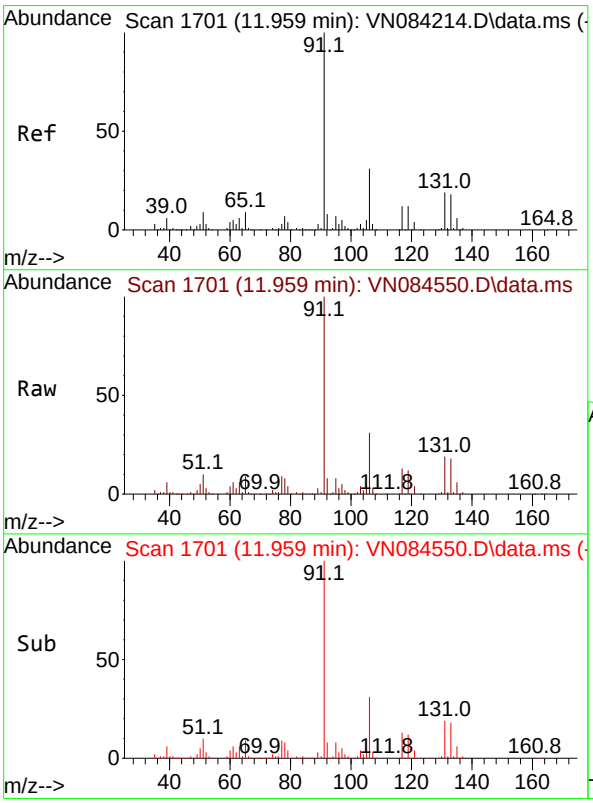
#65
Chlorobenzene
Concen: 51.584 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 290060

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6

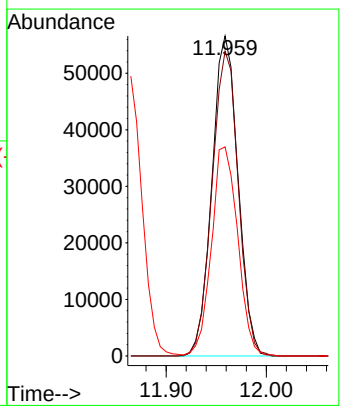


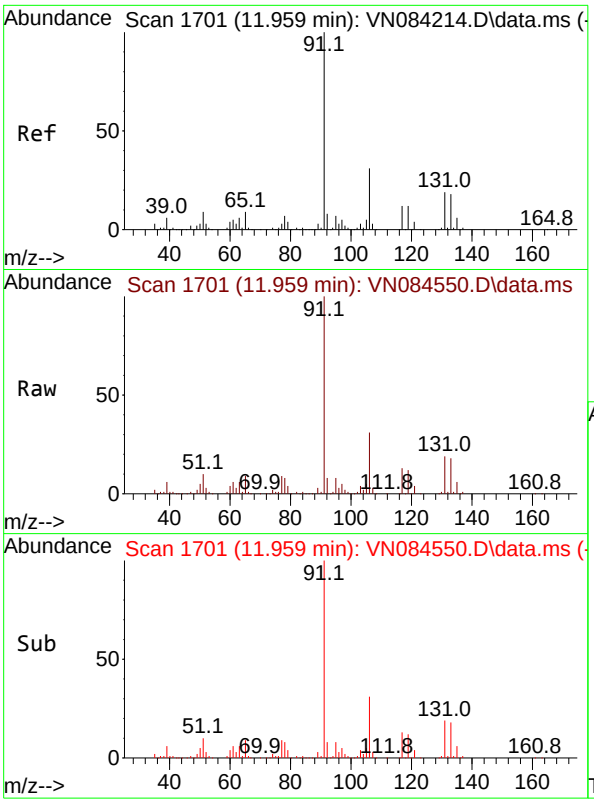


#66
1,1,1,2-Tetrachloroethane
Concen: 52.733 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:131 Resp: 102132

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.7
119	65.8	32.8	98.3



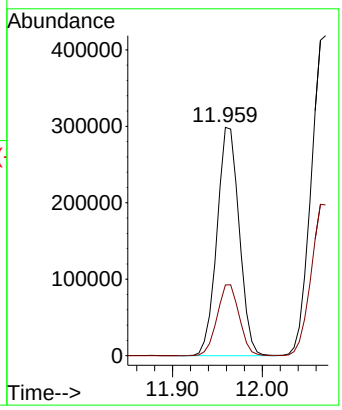


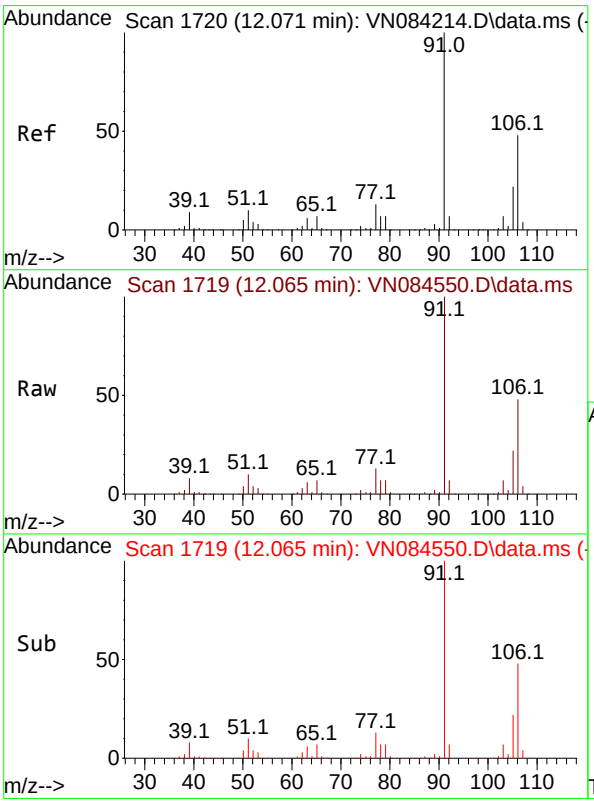
#67
Ethyl Benzene
Concen: 51.646 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 513576

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7

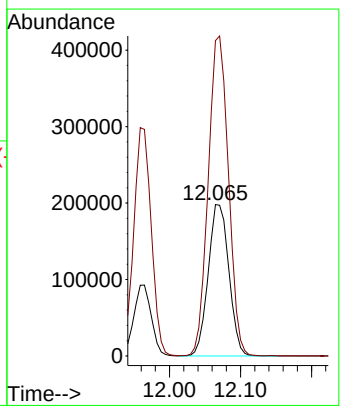


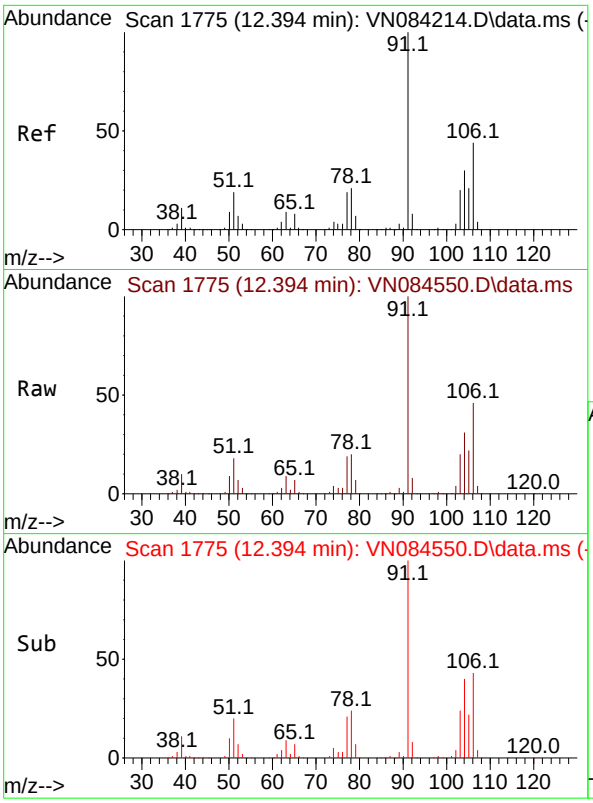


#68
m/p-Xylenes
Concen: 108.723 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:106 Resp: 399929

Ion	Ratio	Lower	Upper
106	100		
91	206.6	167.1	250.7



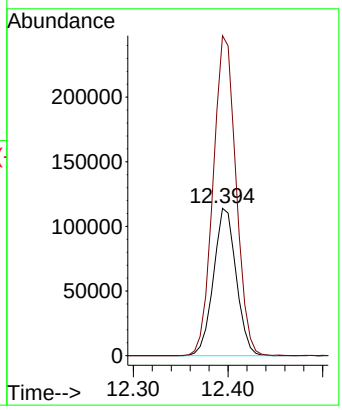


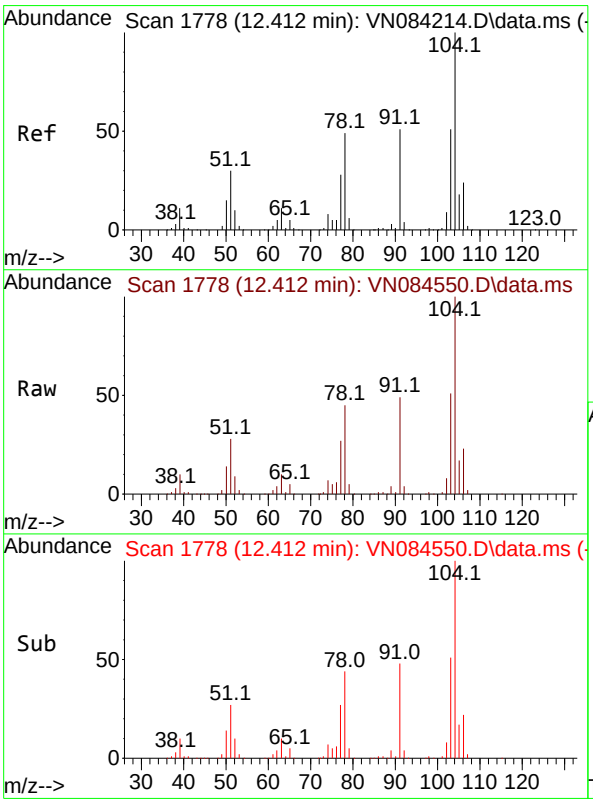
#69
o-Xylene
Concen: 54.486 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 189624

Ion	Ratio	Lower	Upper
106	100		
91	219.1	110.2	330.6

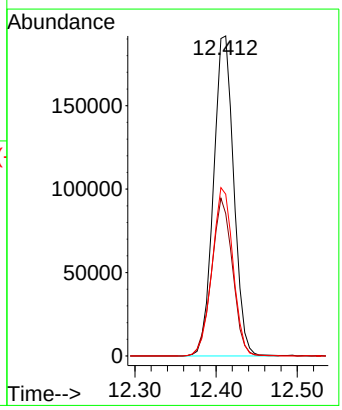


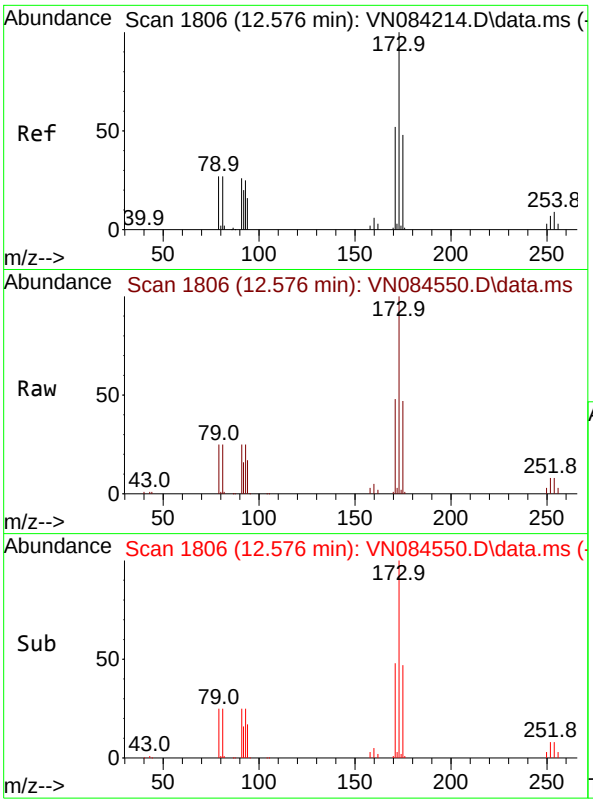


#70
Styrene
Concen: 56.451 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:104 Resp: 332772

Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.7	64.1
103	54.3	43.6	65.4



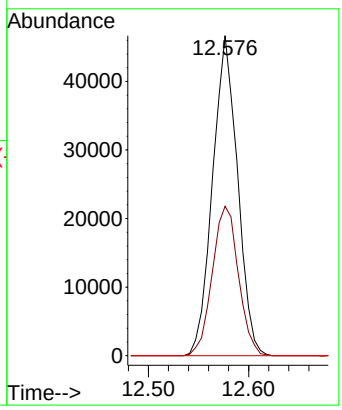


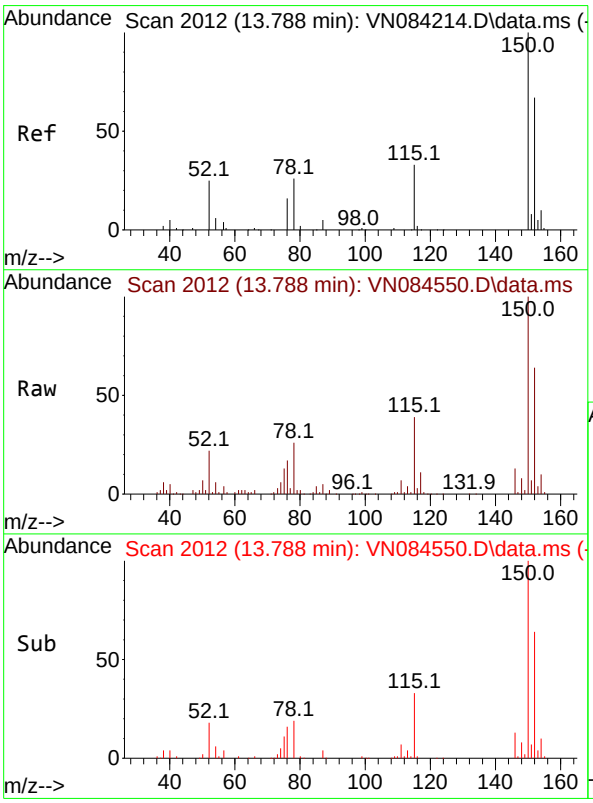
#71
Bromoform
Concen: 56.547 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 80632

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0

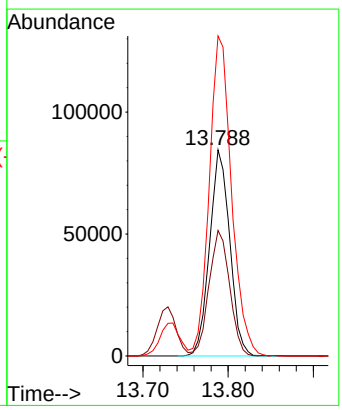


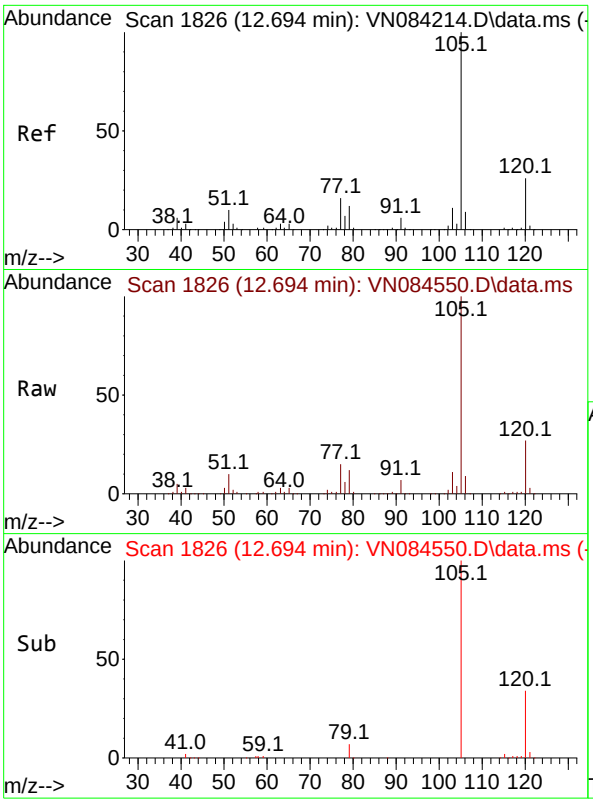


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:152 Resp: 138740

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	171.6	0.0	349.8



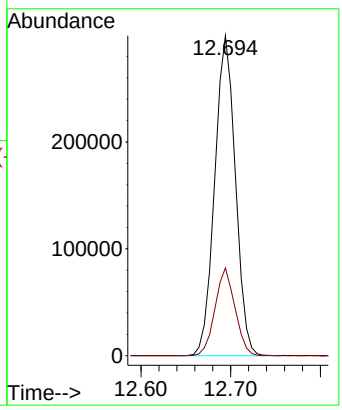


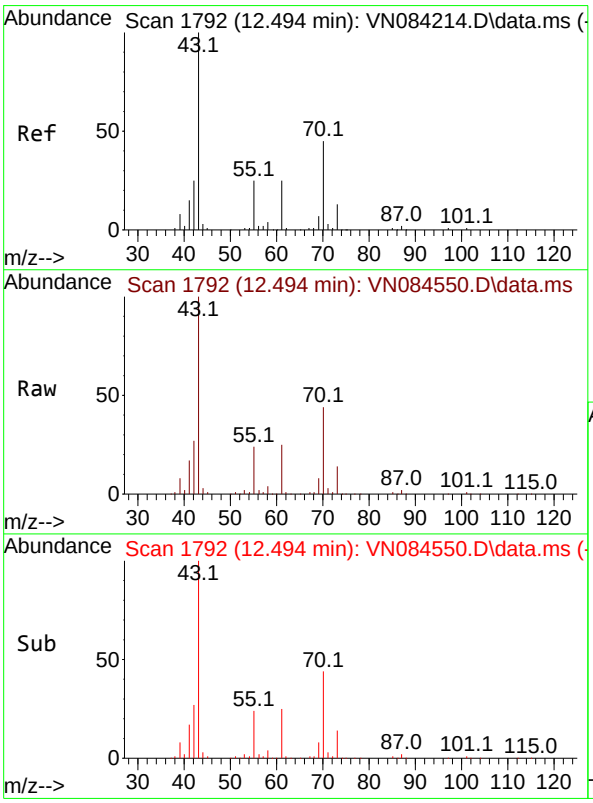
#73
Isopropylbenzene
Concen: 45.329 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 479901

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.7

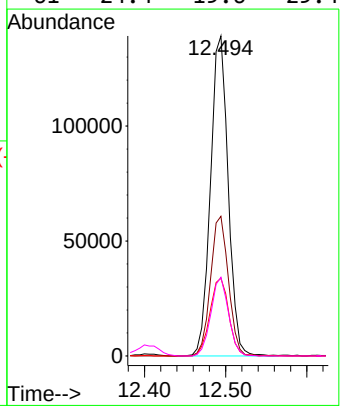


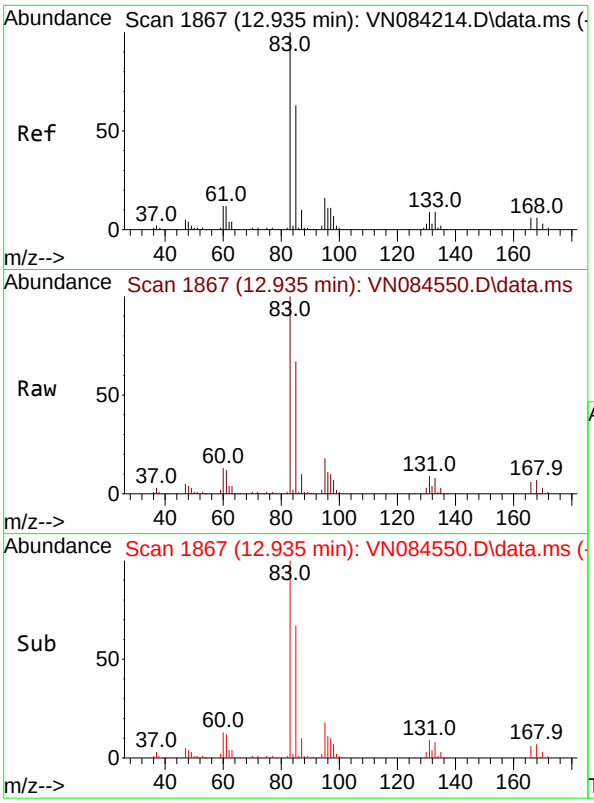


#74
N-amyl acetate
Concen: 43.939 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 43 Resp: 210653

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	25.8	19.6	29.4
61	24.4	19.6	29.4



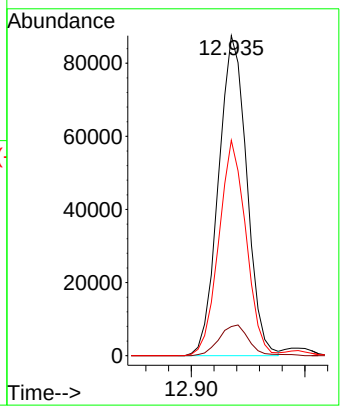


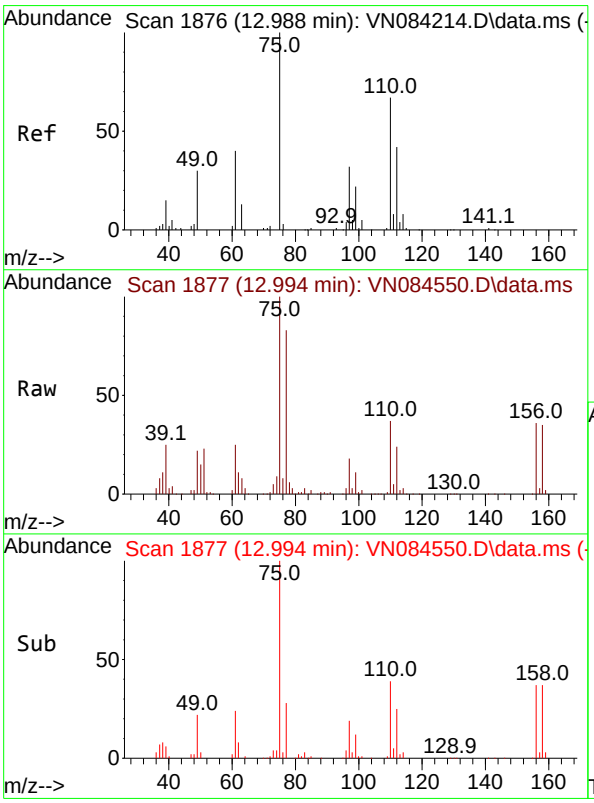
#75
1,1,2,2-Tetrachloroethane
Concen: 47.496 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 151201

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.8	31.9	95.7

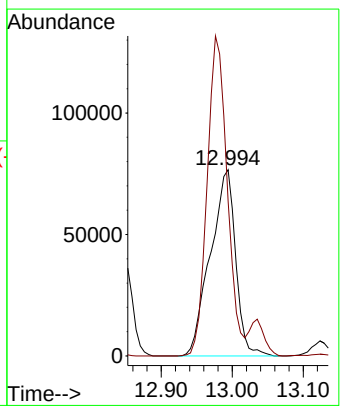


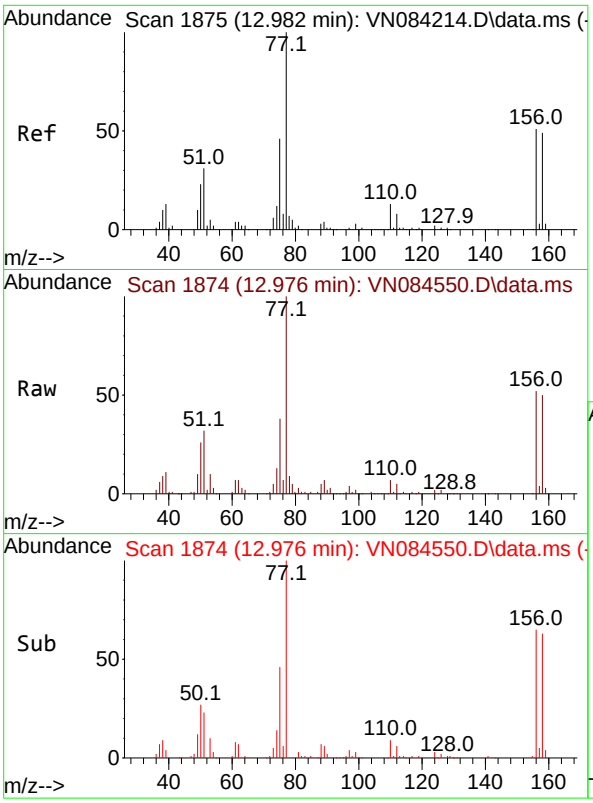


#76
1,2,3-Trichloropropane
Concen: 66.864 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 189386

Ion	Ratio	Lower	Upper
75	100		
77	136.7	96.9	290.7



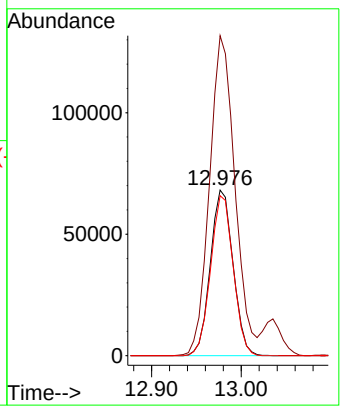


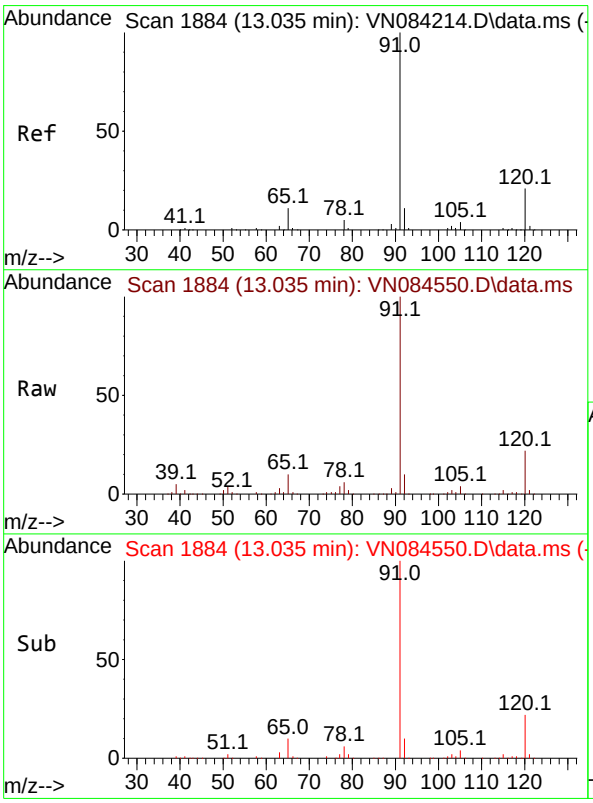
#77
Bromobenzene
Concen: 46.967 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 119941

Ion	Ratio	Lower	Upper
156	100		
77	215.8	115.1	345.3
158	95.9	48.9	146.8

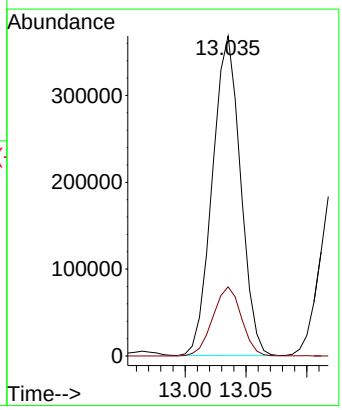


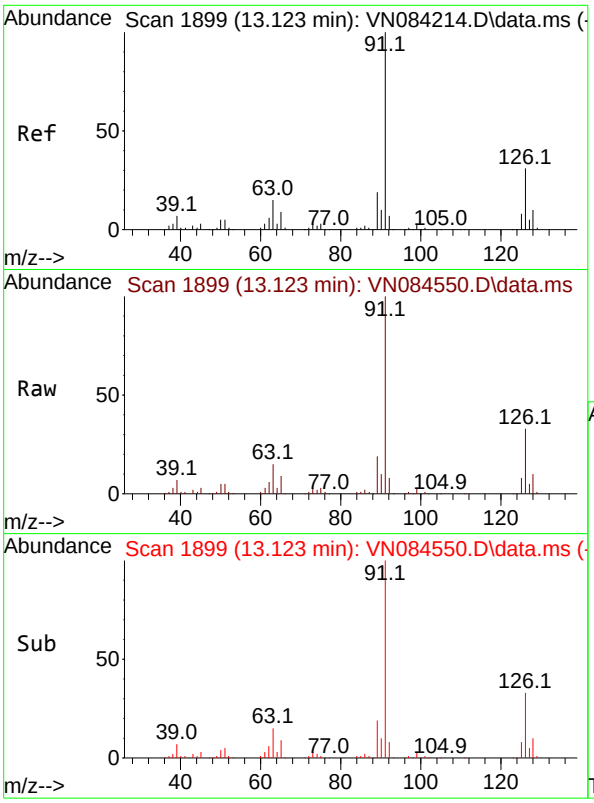


#78
n-propylbenzene
Concen: 48.258 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 591943

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



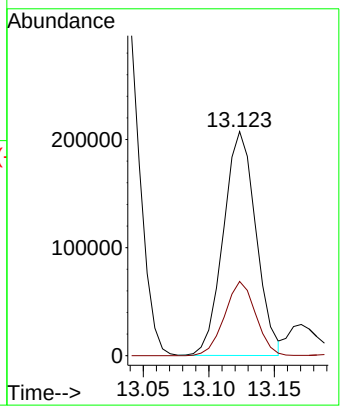


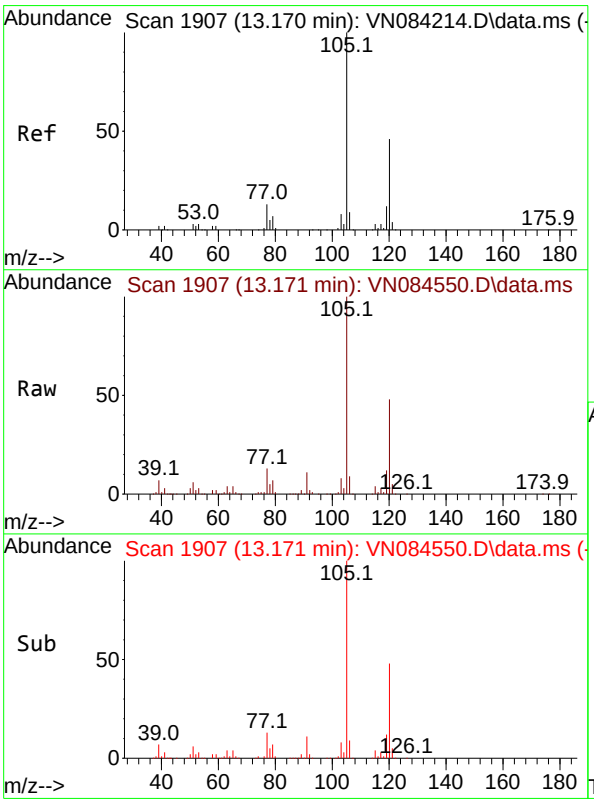
#79
2-Chlorotoluene
Concen: 45.840 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 358796

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

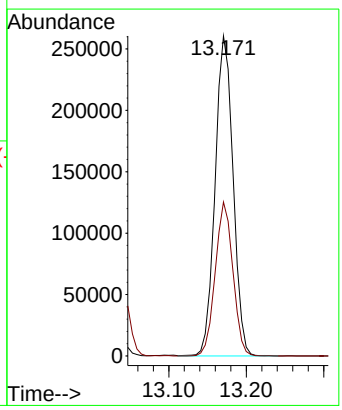


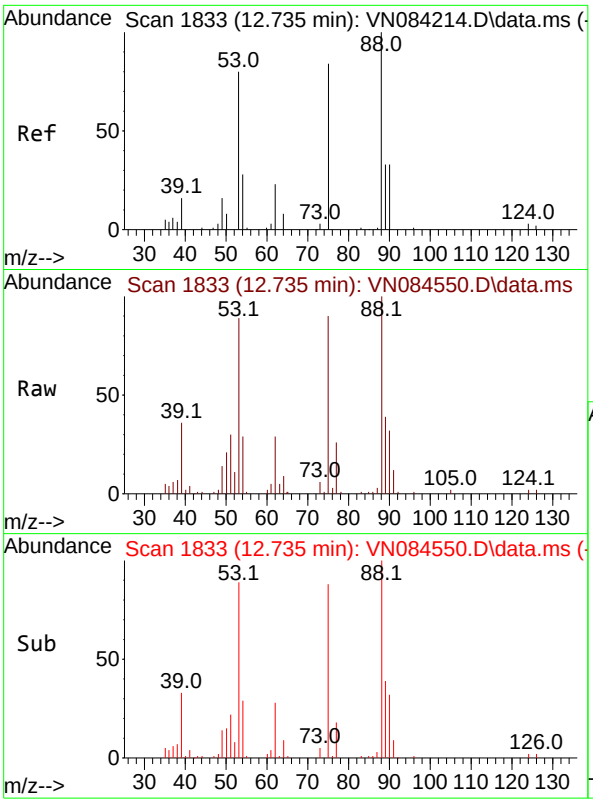


#80
1,3,5-Trimethylbenzene
Concen: 48.634 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:105 Resp: 420006

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



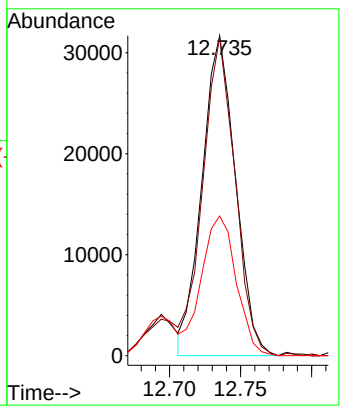


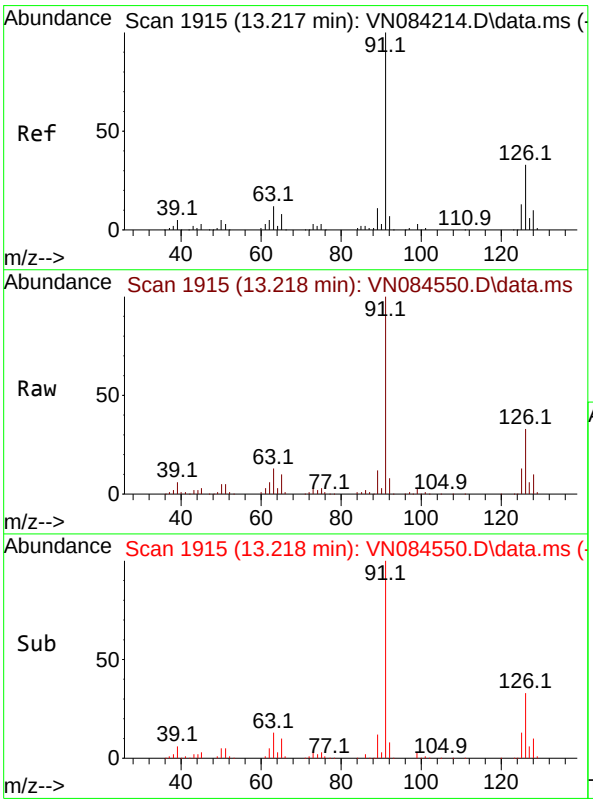
#81
trans-1,4-Dichloro-2-butene
Concen: 43.866 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 51825

Ion	Ratio	Lower	Upper
75	100		
53	107.1	78.0	117.0
89	45.8	35.5	53.3

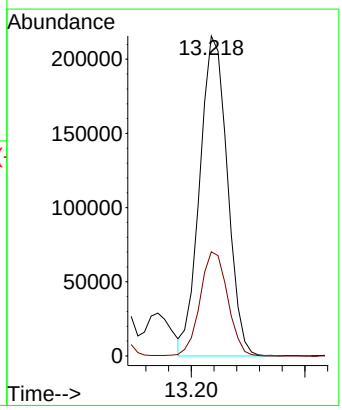


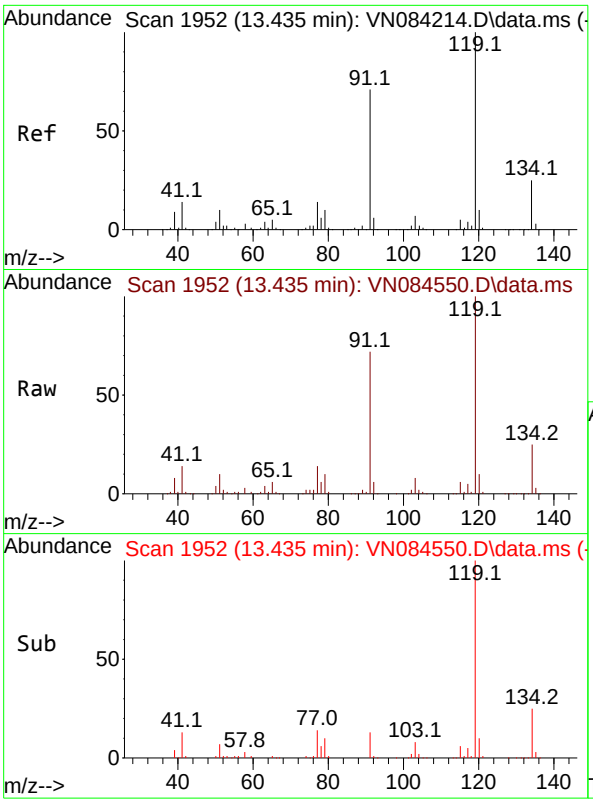


#82
4-Chlorotoluene
Concen: 46.224 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 91 Resp: 364214

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



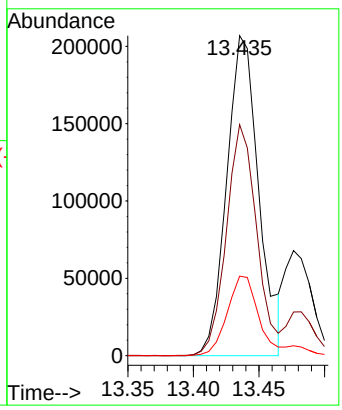


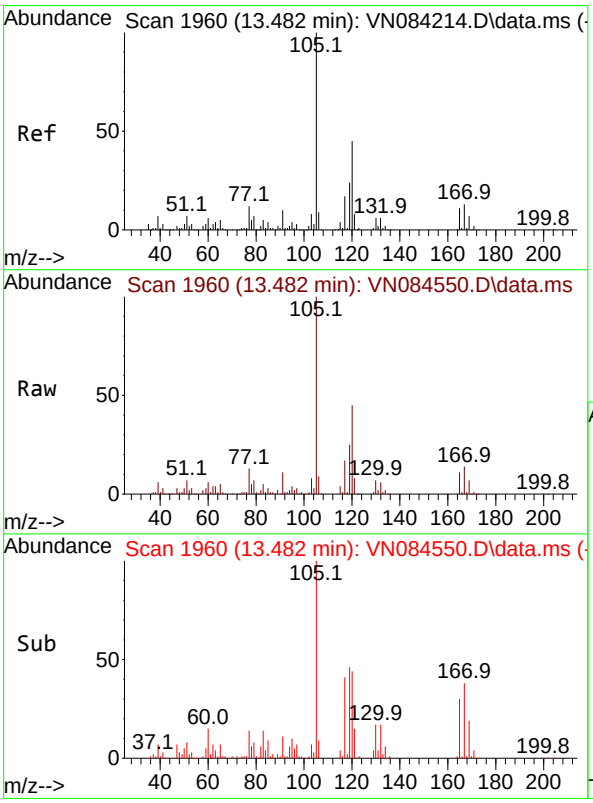
#83
tert-Butylbenzene
Concen: 46.015 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 353200

Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.1	102.3
134	26.3	12.8	38.4

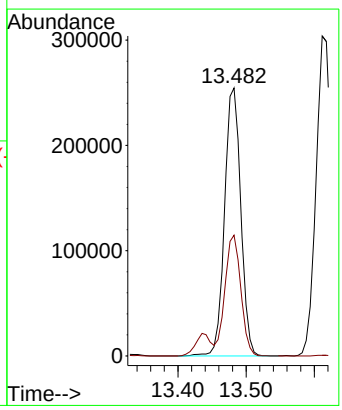


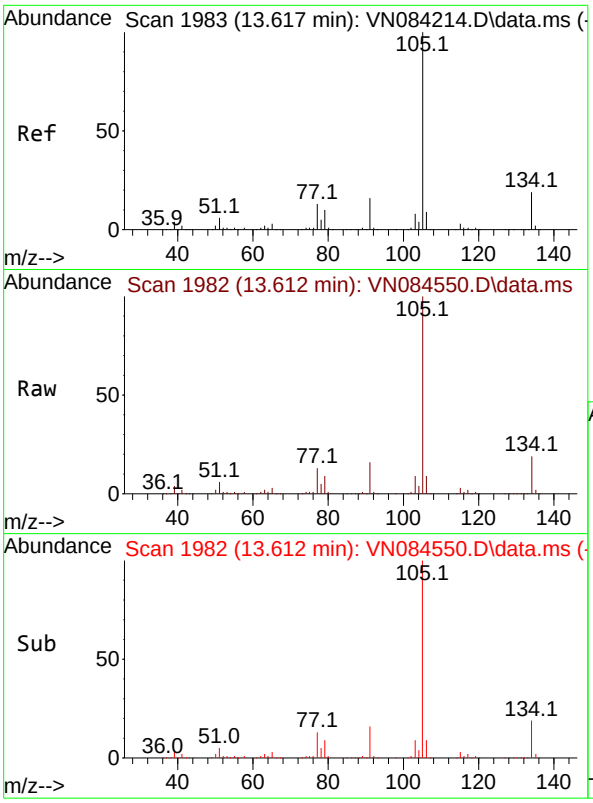


#84
1,2,4-Trimethylbenzene
Concen: 48.507 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:105 Resp: 422000

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8



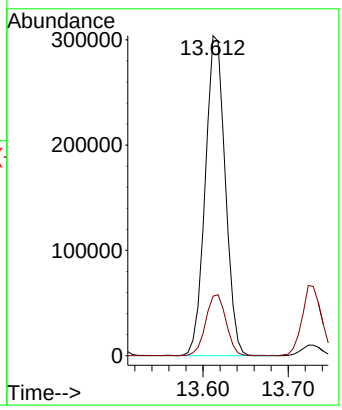


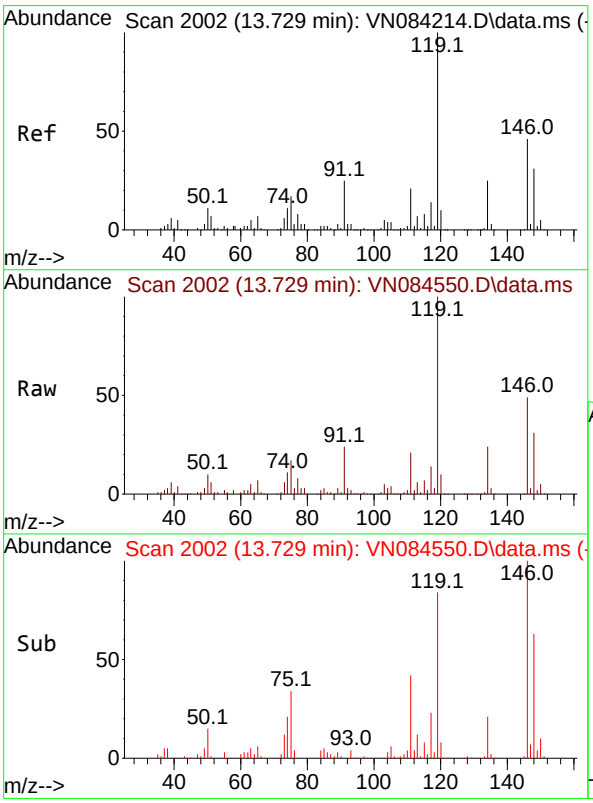
#85
sec-Butylbenzene
Concen: 48.392 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 495670

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

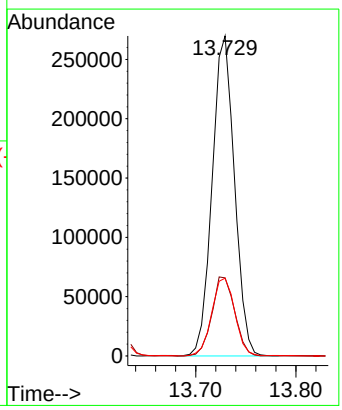


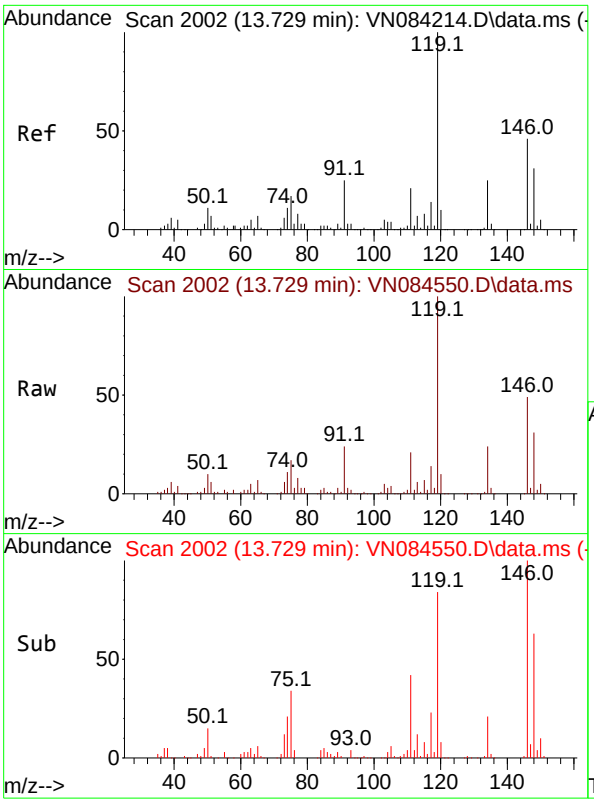


#86
p-Isopropyltoluene
Concen: 49.188 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:119 Resp: 416611

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	25.1	12.4	37.2



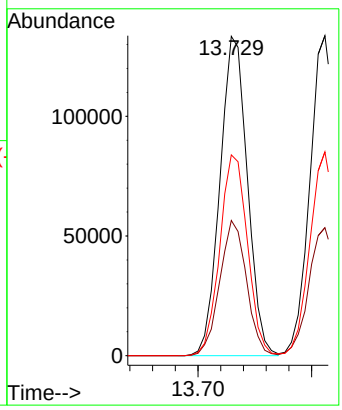


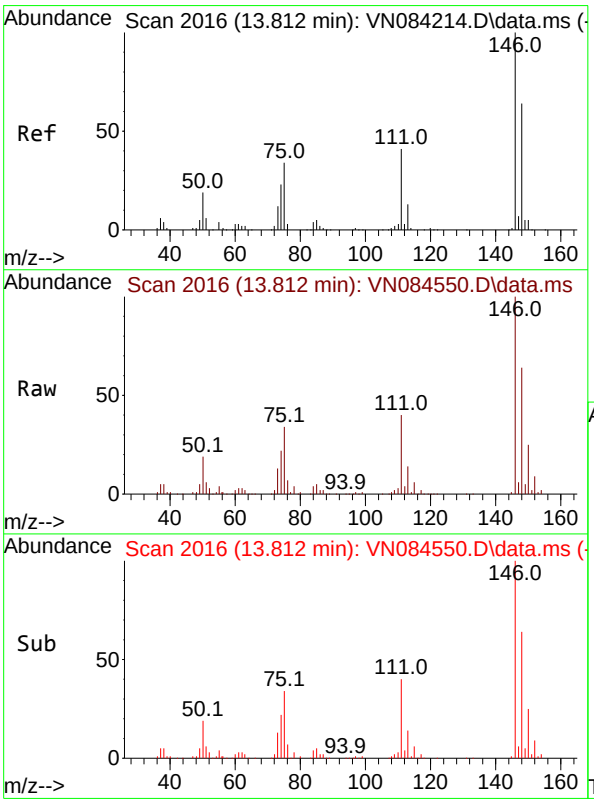
#87
1,3-Dichlorobenzene
Concen: 46.781 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 224117

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.8	65.3
148	63.4	31.9	95.7

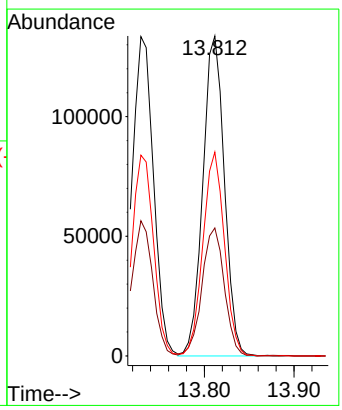


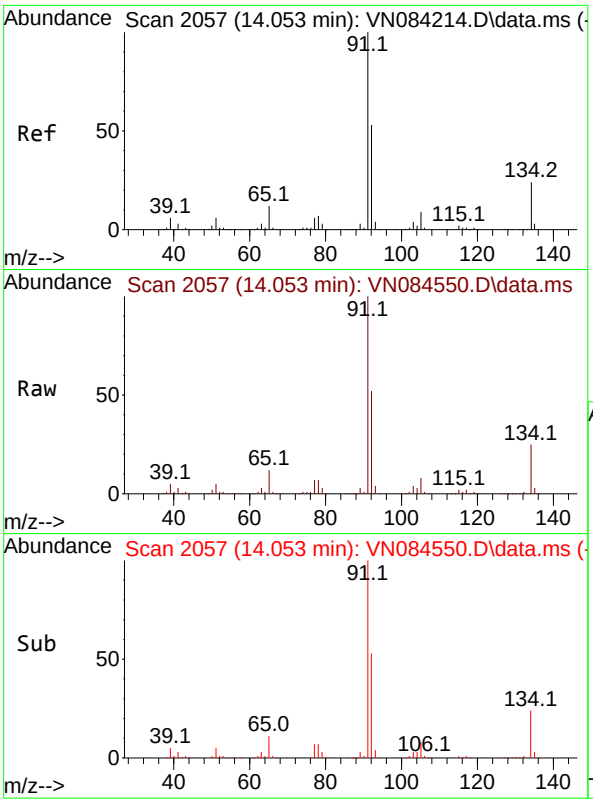


#88
1,4-Dichlorobenzene
Concen: 46.106 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:146 Resp: 223063

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.7	31.9	95.9



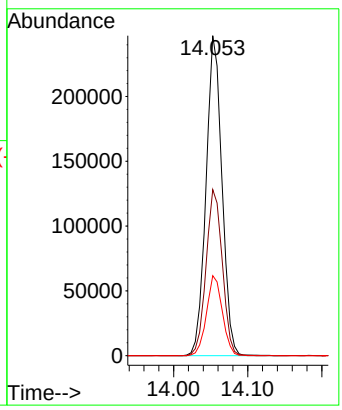


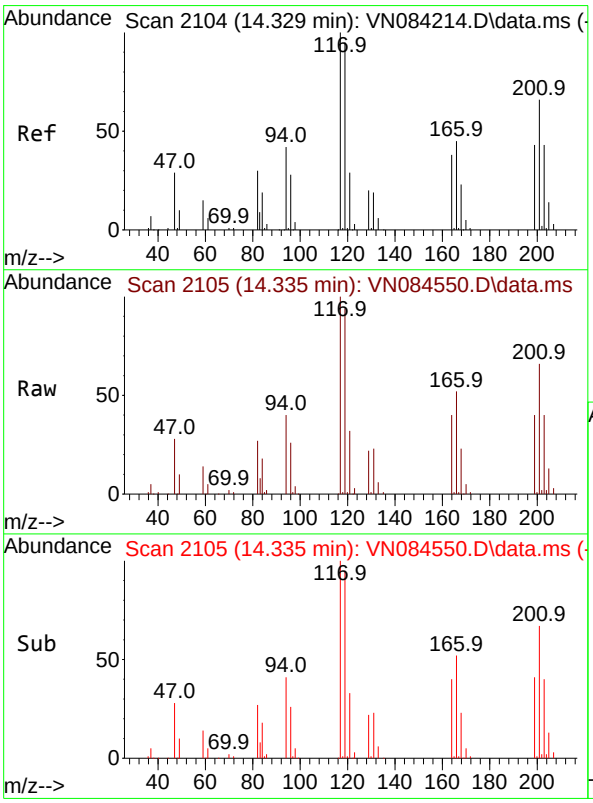
#89
n-Butylbenzene
Concen: 48.044 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 368986

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.7
134	24.9	12.3	36.9

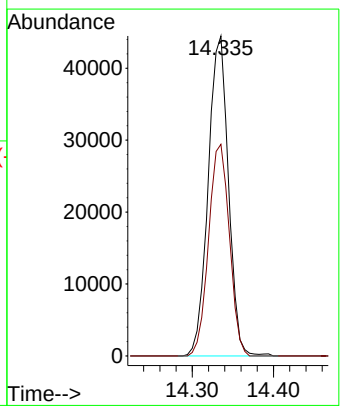


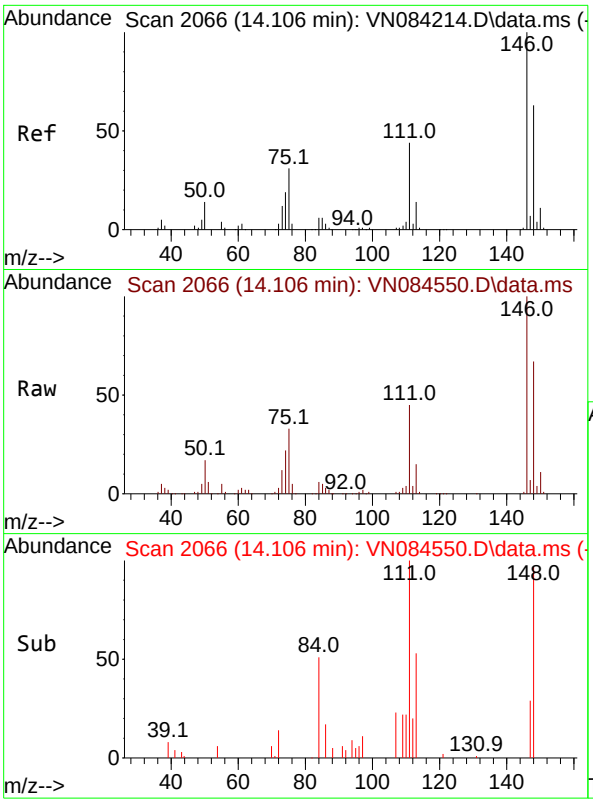


#90
Hexachloroethane
Concen: 44.795 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:117 Resp: 77012

Ion	Ratio	Lower	Upper
117	100		
201	67.8	34.4	103.2



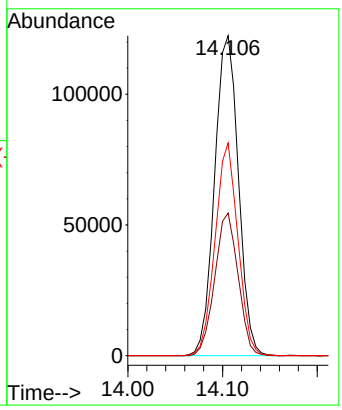


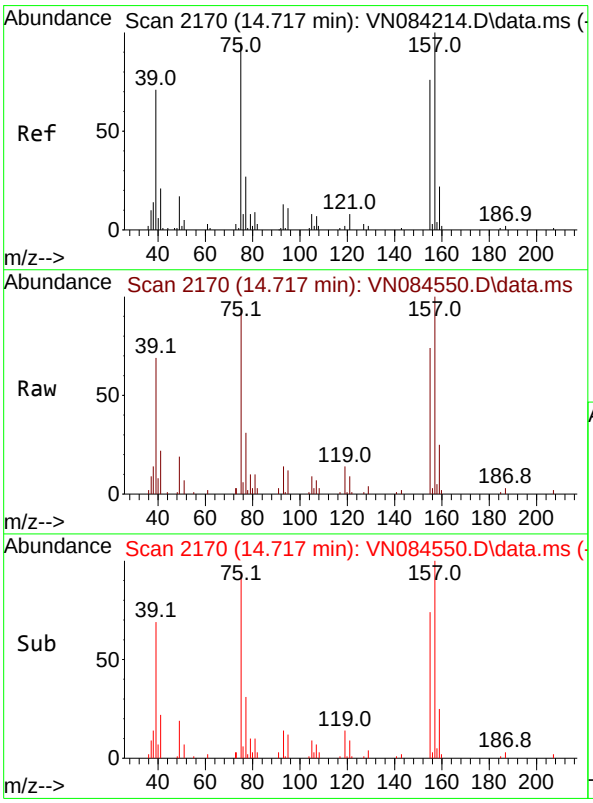
#91
1,2-Dichlorobenzene
Concen: 45.515 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 213812

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	63.8	32.1	96.3

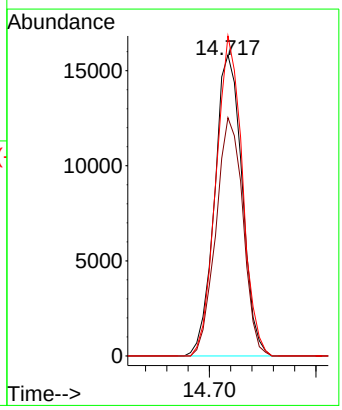


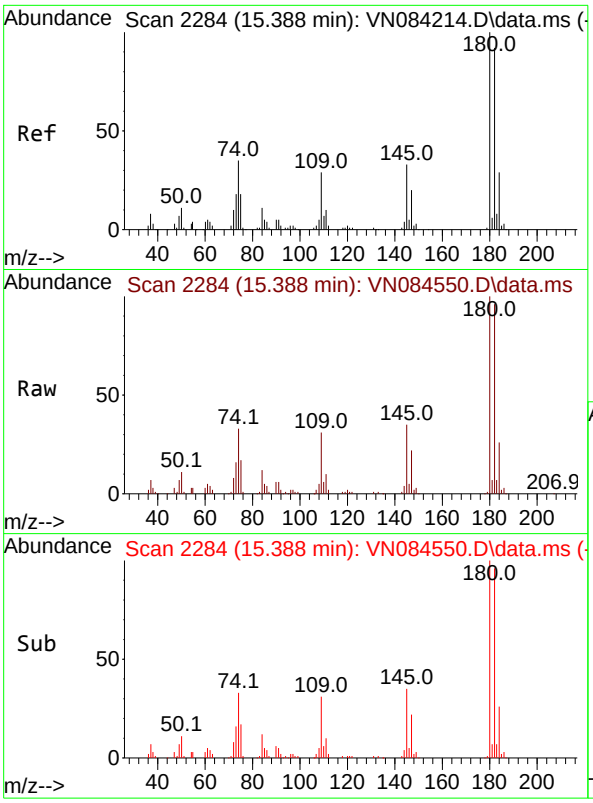


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.126 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion: 75 Resp: 28331

Ion	Ratio	Lower	Upper
75	100		
155	77.9	38.1	114.5
157	101.6	49.6	149.0



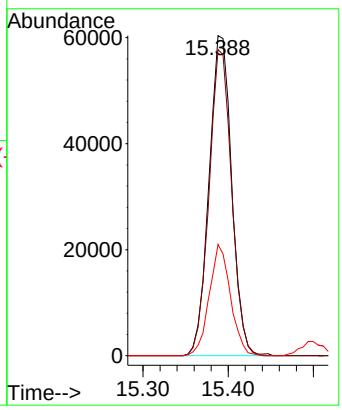


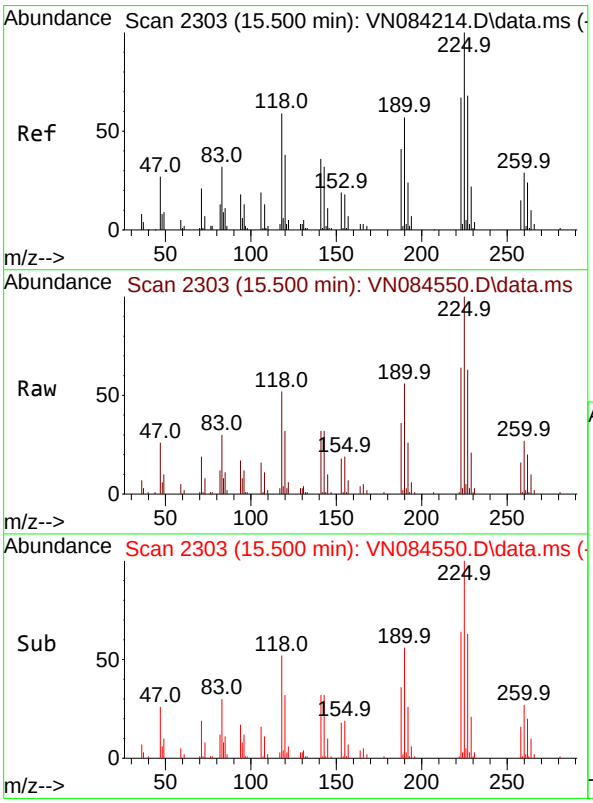
#93
1,2,4-Trichlorobenzene
Concen: 48.069 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 111223

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	32.7	16.4	49.4

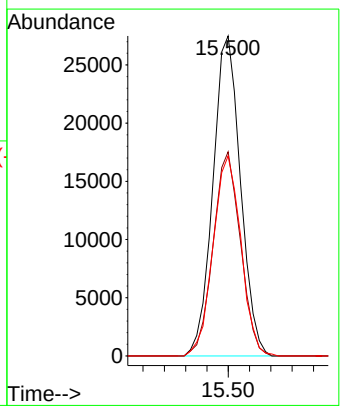


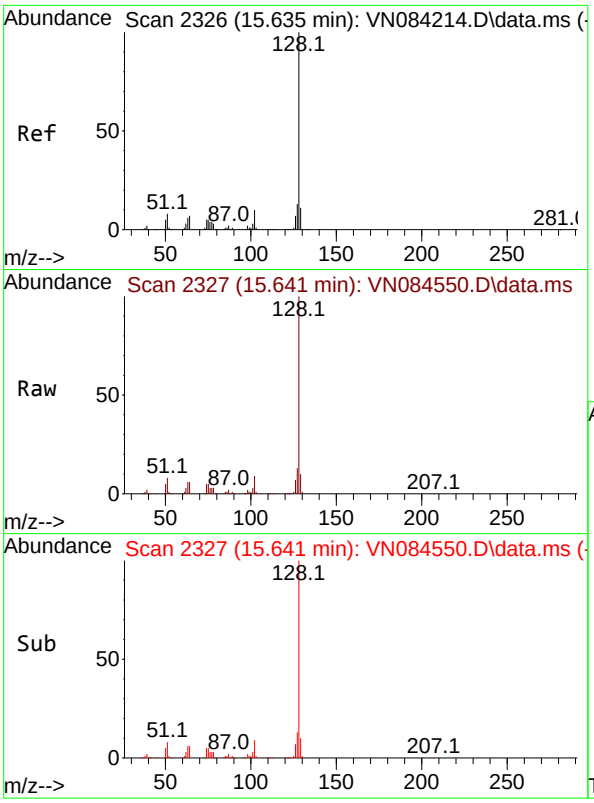


#94
Hexachlorobutadiene
Concen: 42.717 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:225 Resp: 49291

Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.2
227	63.1	32.4	97.0



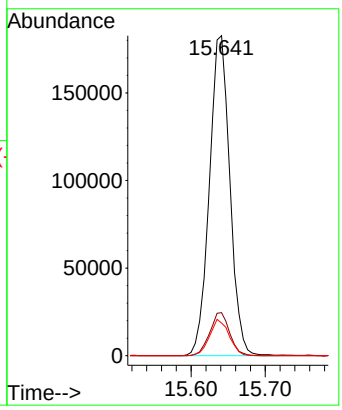


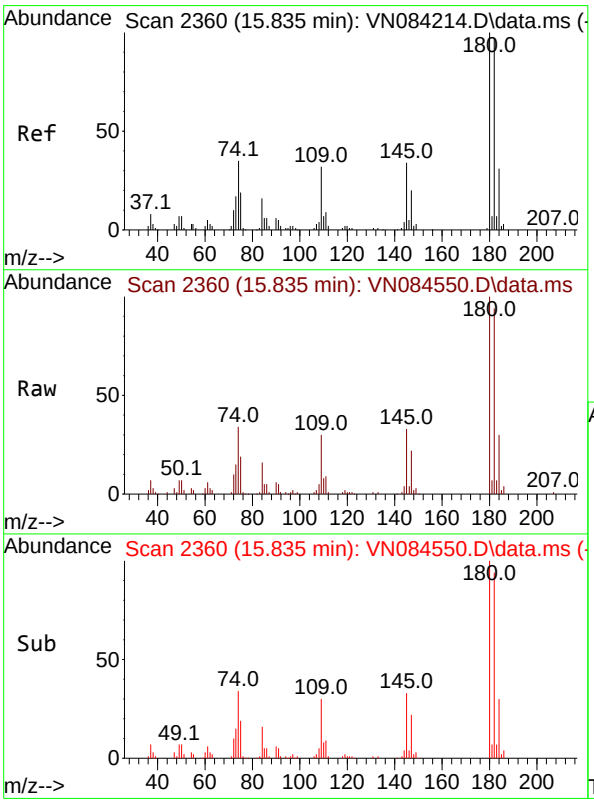
#95
Naphthalene
Concen: 45.730 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 350781

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





#96
1,2,3-Trichlorobenzene
Concen: 47.905 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084550.D
Acq: 28 Oct 2024 21:02

Tgt Ion:180 Resp: 110954

Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.2	144.6
145	34.2	17.3	51.9