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 : P4438

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4438

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4438-01	BP-VPB-190-TB-20241015
P4438-02	BP-VPB-190-EB-20241016
P4438-03	VPB190-HYD-20241016
P4438-04	BP-VPB-190-GW-58-60
P4438-05	BP-VPB-190-GW-98-100
P4438-06	BP-VPB-190-GW-158-160
P4438-07	BP-VPB-190-GW-198-200

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

Signature : _____

Date: 10/23/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager : Ernie Wu
Chemtech Project # P4438
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 10/18/2024.

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 RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID VN084428.D met the requirements except for 1,1,2-Trichloroethane,2-Hexanone,4-Methyl-2-Pentanone, and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken while Carbon Disulfide is 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)."

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

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

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_____

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

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: P4438 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 VN084428.D met the requirements except for 1,1,2-Trichloroethane,2-Hexanone,4-Methyl-2-Pentanone, and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken while Carbon Disulfide is 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.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

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

NA NO YES

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

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4438

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

QA Review Signature: SOHIL JODHANI **Date:** 10/23/2024

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LAB CHRONICLE

OrderID:	P4438	**OrderDate:**	10/18/2024 10:19:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4438-01	**BP-VPB-190-TB-20241015**	**Water**			**10/15/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	
P4438-02	**BP-VPB-190-EB-20241016**	**Water**			**10/16/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	
P4438-03	**VPB190-HYD-20241016**	**Water**			**10/16/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	
P4438-04	**BP-VPB-190-GW-58-60**	**Water**			**10/15/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	
P4438-05	**BP-VPB-190-GW-98-100**	**Water**			**10/16/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	
P4438-06	**BP-VPB-190-GW-158-160**	**Water**			**10/17/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	
P4438-07	**BP-VPB-190-GW-198-200**	**Water**			**10/17/24**			**10/18/24**
			VOCMS Group1	8260-Low			10/21/24	

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Hit Summary Sheet
SW-846

SDG No.: P4438

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**VPB190-HYD-20241016**								
P4438-03	VPB190-HYD-2024	Water	Acetone	3.70	J	1.40	3.80	5.00	ug/L
			Total Voc :	3.70					
			Total Concentration:	3.70					
Client ID:	**BP-VPB-190-GW-58-60**								
P4438-04	BP-VPB-190-GW-5	Water	Acetone	5.20		1.40	3.80	5.00	ug/L
			Total Voc :	5.20					
			Total Concentration:	5.20					
Client ID:	**BP-VPB-190-GW-158-160**								
P4438-06	BP-VPB-190-GW-1	Water	Acetone	2.40	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.40					
			Total Concentration:	2.40					
Client ID:	**BP-VPB-190-GW-198-200**								
P4438-07	BP-VPB-190-GW-1	Water	Acetone	2.50	J	1.40	3.80	5.00	ug/L
P4438-07	BP-VPB-190-GW-1	Water	Chloroform	0.36	J	0.26	0.50	1.00	ug/L
P4438-07	BP-VPB-190-GW-1	Water	Tetrachloroethene	0.51	J	0.25	0.50	1.00	ug/L
			Total Voc :	3.37					
			Total Concentration:	3.37					

QC SUMMARY

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Surrogate Summary

SDG No.: P4438

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4438-01	BP-VPB-190-TB-20241015	1,2-Dichloroethane-d4	50	47.3	95	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	45.6	91	85	114
P4438-02	BP-VPB-190-EB-20241016	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114
P4438-03	VPB190-HYD-20241016	1,2-Dichloroethane-d4	50	47.8	96	81	118
		Dibromofluoromethane	50	49.9	100	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	44.9	90	85	114
P4438-04	BP-VPB-190-GW-58-60	1,2-Dichloroethane-d4	50	48.3	97	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
P4438-05	BP-VPB-190-GW-98-100	1,2-Dichloroethane-d4	50	48.5	97	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	50.3	101	89	112
		4-Bromofluorobenzene	50	46.4	93	85	114
P4438-06	BP-VPB-190-GW-158-160	1,2-Dichloroethane-d4	50	48.9	98	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	46.0	92	85	114
P4438-07	BP-VPB-190-GW-198-200	1,2-Dichloroethane-d4	50	47.6	95	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	44.7	89	85	114
VN1021WBL01	VN1021WBL01	1,2-Dichloroethane-d4	50	48.6	97	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	44.7	89	85	114
VN1021WBS01	VN1021WBS01	1,2-Dichloroethane-d4	50	50.5	101	81	118
		Dibromofluoromethane	50	54.3	109	80	119
		Toluene-d8	50	54.0	108	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114
VN1021WBSD0	VN1021WBSD01	1,2-Dichloroethane-d4	50	51.1	102	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	52.5	105	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4438

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1021WBS01	Chloromethane	20	16.1	ug/L	81			50	139	
	Vinyl chloride	20	16.7	ug/L	84			58	137	
	Bromomethane	20	16.5	ug/L	83			53	141	
	Chloroethane	20	15.0	ug/L	75			60	138	
	Trichlorofluoromethane	20	18.1	ug/L	91			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70	136	
	1,1-Dichloroethene	20	17.6	ug/L	88			71	131	
	Acetone	100	87.5	ug/L	88			39	160	
	Carbon disulfide	20	14.2	ug/L	71			64	133	
	Methyl tert-butyl Ether	20	18.1	ug/L	91			71	124	
	Methylene Chloride	20	18.6	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			75	124	
	1,1-Dichloroethane	20	19.2	ug/L	96			77	125	
	2-Butanone	100	88.7	ug/L	89			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			78	123	
	Chloroform	20	19.0	ug/L	95			79	124	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			74	131	
	Methylcyclohexane	20	16.2	ug/L	81			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	18.9	ug/L	95			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.6	ug/L	98			78	122	
	Bromodichloromethane	20	19.5	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	96.8	ug/L	97			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			73	127	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			75	124	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			80	119	
	2-Hexanone	100	96.1	ug/L	96			57	139	
	Dibromochloromethane	20	20.1	ug/L	101			74	126	
	Tetrachloroethene	20	18.9	ug/L	95			74	129	
	Chlorobenzene	20	19.2	ug/L	96			82	118	
	Ethyl Benzene	20	18.5	ug/L	93			79	121	
	m/p-Xylenes	40	38.5	ug/L	96			80	121	
	o-Xylene	20	20.0	ug/L	100			78	122	
	Styrene	20	19.5	ug/L	98			78	123	
	Bromoform	20	19.5	ug/L	98			66	130	
	Isopropylbenzene	20	18.2	ug/L	91			72	131	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4438

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084434.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1021WBSD01	Chloromethane	20	16.3	ug/L	81	0		50	139	20
	Vinyl chloride	20	17.1	ug/L	86	2		58	137	20
	Bromomethane	20	17.0	ug/L	85	2		53	141	20
	Chloroethane	20	16.0	ug/L	80	6		60	138	20
	Trichlorofluoromethane	20	19.0	ug/L	95	4		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97	6		70	136	20
	1,1-Dichloroethene	20	17.7	ug/L	89	1		71	131	20
	Acetone	100	91.6	ug/L	92	4		39	160	20
	Carbon disulfide	20	14.5	ug/L	73	3		64	133	20
	Methyl tert-butyl Ether	20	19.8	ug/L	99	8		71	124	20
	Methylene Chloride	20	20.2	ug/L	101	8		74	124	20
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	6		75	124	20
	1,1-Dichloroethane	20	19.6	ug/L	98	2		77	125	20
	2-Butanone	100	96.8	ug/L	97	9		56	143	20
	Carbon Tetrachloride	20	19.4	ug/L	97	2		72	136	20
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	5		78	123	20
	Chloroform	20	20.1	ug/L	101	6		79	124	20
	1,1,1-Trichloroethane	20	19.8	ug/L	99	5		74	131	20
	Methylcyclohexane	20	17.0	ug/L	85	5		72	132	20
	Benzene	20	19.6	ug/L	98	3		79	120	20
	1,2-Dichloroethane	20	20.6	ug/L	103	8		73	128	20
	Trichloroethene	20	19.5	ug/L	98	2		79	123	20
	1,2-Dichloropropane	20	20.9	ug/L	104	6		78	122	20
	Bromodichloromethane	20	20.9	ug/L	104	6		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	3		67	130	20
	Toluene	20	20.3	ug/L	102	4		80	121	20
	t-1,3-Dichloropropene	20	19.7	ug/L	99	6		73	127	20
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	5		75	124	20
	1,1,2-Trichloroethane	20	22.5	ug/L	113	10		80	119	20
	2-Hexanone	100	100	ug/L	100	4		57	139	20
	Dibromochloromethane	20	21.8	ug/L	109	8		74	126	20
	Tetrachloroethene	20	19.3	ug/L	97	2		74	129	20
	Chlorobenzene	20	19.5	ug/L	98	2		82	118	20
	Ethyl Benzene	20	18.4	ug/L	92	1		79	121	20
	m/p-Xylenes	40	38.8	ug/L	97	1		80	121	20
	o-Xylene	20	18.8	ug/L	94	6		78	122	20
	Styrene	20	19.8	ug/L	99	1		78	123	20
	Bromoform	20	20.7	ug/L	104	6		66	130	20
	Isopropylbenzene	20	18.4	ug/L	92	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	6		71	121	20
	1,3-Dichlorobenzene	20	19.3	ug/L	97	4		80	119	20
	1,4-Dichlorobenzene	20	19.4	ug/L	97	3		79	118	20
	1,2-Dichlorobenzene	20	18.8	ug/L	94	2		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1021WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4438 SAS No.: P4438 SDG NO.: P4438

Lab File ID: VN084430.D Lab Sample ID: VN1021WBL01

Date Analyzed: 10/21/2024 Time Analyzed: 12:36

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
VN1021WBS01	VN1021WBS01	VN084433.D	10/21/2024
VN1021WBSD01	VN1021WBSD01	VN084434.D	10/21/2024
VPB190-HYD-20241016	P4438-03	VN084435.D	10/21/2024
BP-VPB-190-TB-20241015	P4438-01	VN084436.D	10/21/2024
BP-VPB-190-EB-20241016	P4438-02	VN084438.D	10/21/2024
BP-VPB-190-GW-58-60	P4438-04	VN084439.D	10/21/2024
BP-VPB-190-GW-98-100	P4438-05	VN084440.D	10/21/2024
BP-VPB-190-GW-158-160	P4438-06	VN084441.D	10/21/2024
BP-VPB-190-GW-198-200	P4438-07	VN084442.D	10/21/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4438 SAS No.: P4438 SDG NO.: P4438

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.: P4438 SAS No.: P4438 SDG NO.: P4438

Lab File ID: VN084427.D BFB Injection Date: 10/21/2024

Instrument ID: MSVOA_N BFB Injection Time: 11:14

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
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.7
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70 (96.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084428.D	10/21/2024	11:38
VN1021WBL01	VN1021WBL01	VN084430.D	10/21/2024	12:36
VN1021WBS01	VN1021WBS01	VN084433.D	10/21/2024	13:48
VN1021WBSD01	VN1021WBSD01	VN084434.D	10/21/2024	14:22
VPB190-HYD-20241016	P4438-03	VN084435.D	10/21/2024	14:53
BP-VPB-190-TB-20241015	P4438-01	VN084436.D	10/21/2024	15:17
BP-VPB-190-EB-20241016	P4438-02	VN084438.D	10/21/2024	16:05
BP-VPB-190-GW-58-60	P4438-04	VN084439.D	10/21/2024	16:29
BP-VPB-190-GW-98-100	P4438-05	VN084440.D	10/21/2024	16:53
BP-VPB-190-GW-158-160	P4438-06	VN084441.D	10/21/2024	17:17
BP-VPB-190-GW-198-200	P4438-07	VN084442.D	10/21/2024	17:40
VSTDCCC050EC	VSTDCCC050	VN084448.D	10/21/2024	20:04

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4438 SAS No.: P4438 SDG NO.: P4438

Lab File ID: VN084428.D Date Analyzed: 10/21/2024

Instrument ID: MSVOA_N Time Analyzed: 11:38

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	157355	8.22	262800	9.10	244635	11.87
UPPER LIMIT	314710	8.724	525600	9.6	489270	12.365
LOWER LIMIT	78677.5	7.724	131400	8.6	122318	11.365
EPA SAMPLE NO.						
BP-VPB-190-TB-20241015	187661	8.22	318658	9.10	278906	11.87
BP-VPB-190-EB-20241016	177555	8.22	306422	9.10	265983	11.87
VPB190-HYD-20241016	171057	8.22	299485	9.10	256223	11.87
BP-VPB-190-GW-58-60	169620	8.22	290778	9.10	254308	11.87
BP-VPB-190-GW-98-100	170565	8.22	295549	9.10	256680	11.87
BP-VPB-190-GW-158-160	169269	8.22	290609	9.10	252156	11.87
BP-VPB-190-GW-198-200	167949	8.22	288550	9.10	244682	11.87
VN1021WBL01	167468	8.22	295479	9.10	254088	11.87
VN1021WBS01	189913	8.22	322919	9.10	284161	11.87
VN1021WBSD01	163086	8.22	278516	9.10	255670	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.: P4438 SAS No.: P4438 SDG NO.: P4438

Lab File ID: VN084428.D Date Analyzed: 10/21/2024

Instrument ID: MSVOA_N Time Analyzed: 11:38

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

	IS4 AREA #	RT #				
12 HOUR STD	127638	13.788				
UPPER LIMIT	255276	14.288				
LOWER LIMIT	63819	13.288				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241015	110339	13.79				
BP-VPB-190-EB-20241016	102477	13.79				
VPB190-HYD-20241016	104212	13.79				
BP-VPB-190-GW-58-60	106943	13.79				
BP-VPB-190-GW-98-100	102361	13.79				
BP-VPB-190-GW-158-160	98336	13.79				
BP-VPB-190-GW-198-200	95771	13.79				
VN1021WBL01	99954	13.79				
VN1021WBS01	138325	13.79				
VN1021WBSD01	124118	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/15/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-TB-20241015	SDG No.:	P4438
Lab Sample ID:	P4438-01	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
VN084436.D	1		10/21/24 15:17	VN102124

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:	10/15/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-TB-20241015	SDG No.:	P4438
Lab Sample ID:	P4438-01	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
VN084436.D	1		10/21/24 15:17	VN102124

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	47.3		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	188000	8.224				
540-36-3	1,4-Difluorobenzene	319000	9.1				
3114-55-4	Chlorobenzene-d5	279000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	110000	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:	10/15/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-TB-20241015	SDG No.:	P4438
Lab Sample ID:	P4438-01	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
VN084436.D	1		10/21/24 15:17	VN102124

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\VN102124\
Data File : VN084436.D
Acq On : 21 Oct 2024 15:17
Operator : JC\MD
Sample : P4438-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

Quant Time: Oct 22 01:35:28 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	187661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131560	47.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.560%			
35) Dibromofluoromethane	8.165	113	105217	50.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.160%			
50) Toluene-d8	10.565	98	383263	49.587	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.847	95	128518	45.642	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.280%			

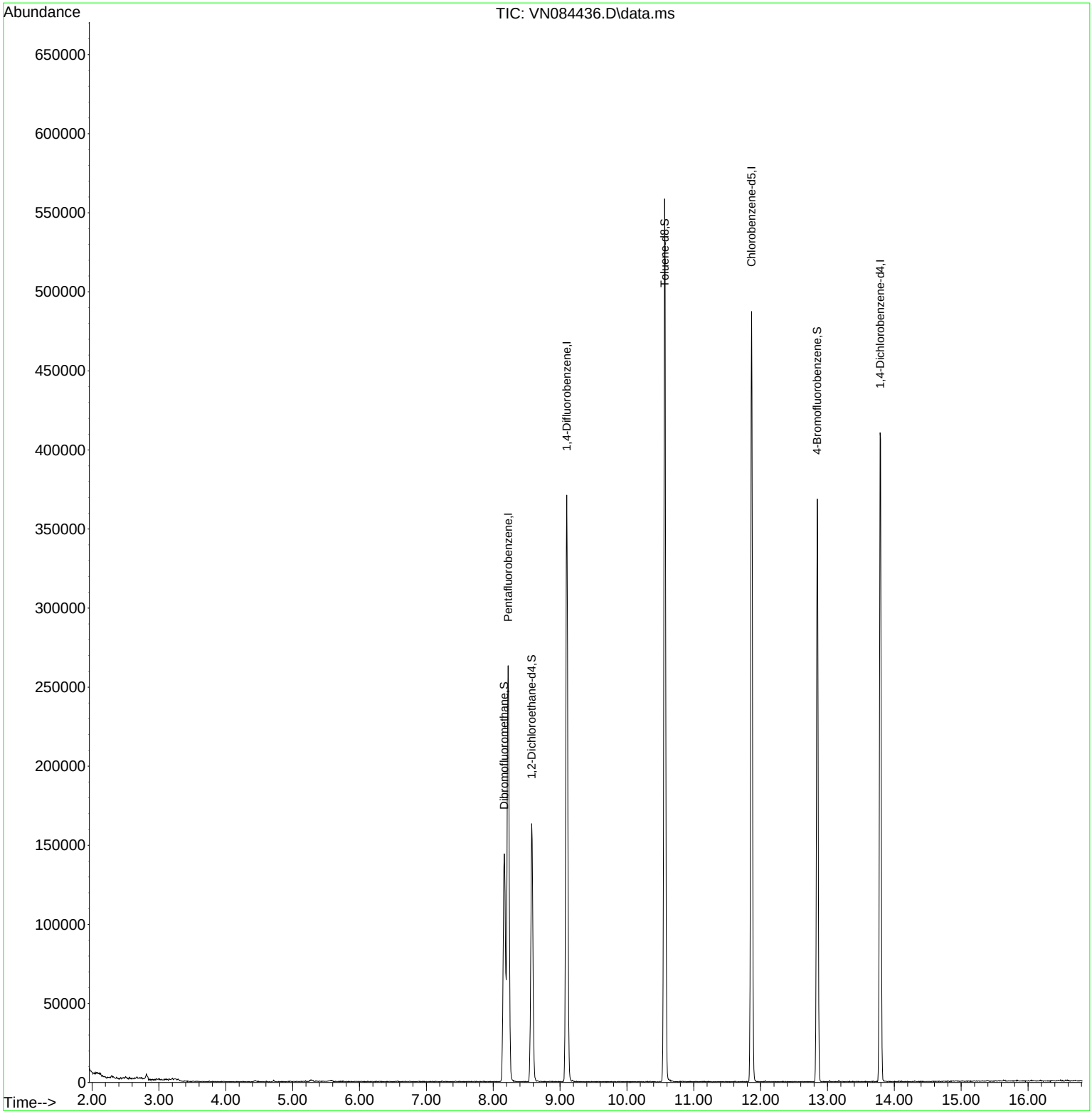
Target Compounds Qvalue

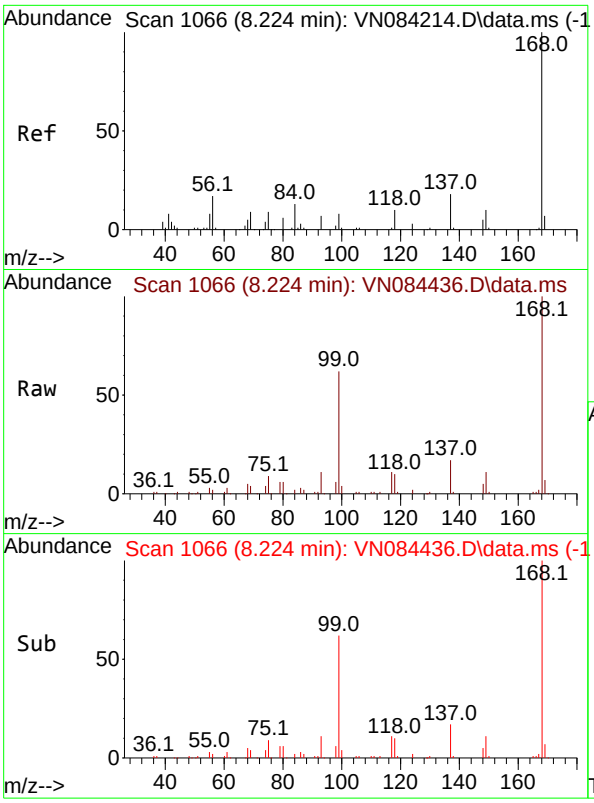
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084436.D
Acq On : 21 Oct 2024 15:17
Operator : JC\MD
Sample : P4438-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

Quant Time: Oct 22 01:35:28 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



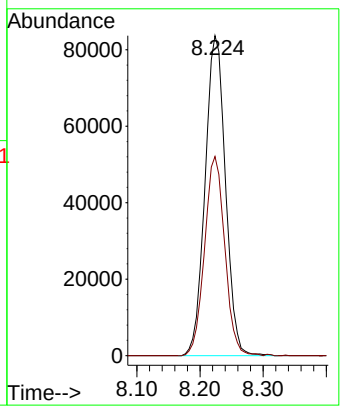


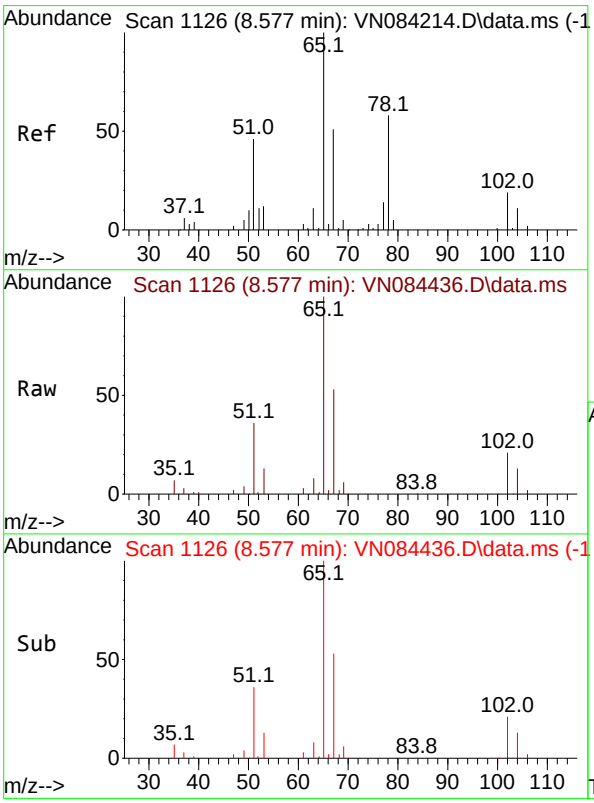
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

Tgt Ion:168 Resp: 187661

Ion	Ratio	Lower	Upper
168	100		
99	62.3	54.2	81.2

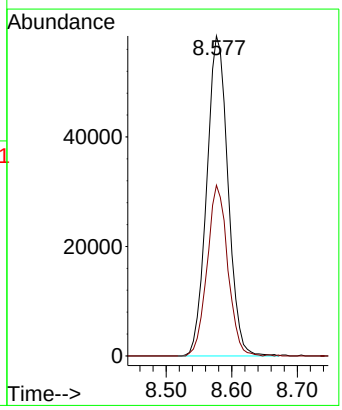


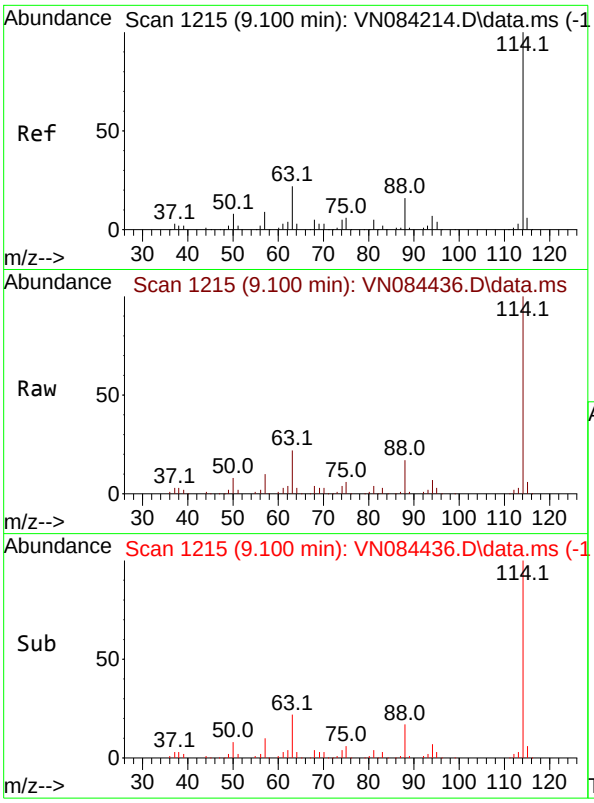


#33
1,2-Dichloroethane-d4
Concen: 47.283 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Tgt Ion: 65 Resp: 131560

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



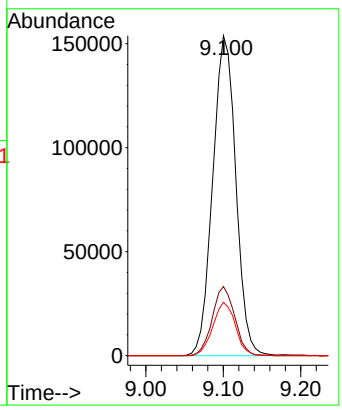


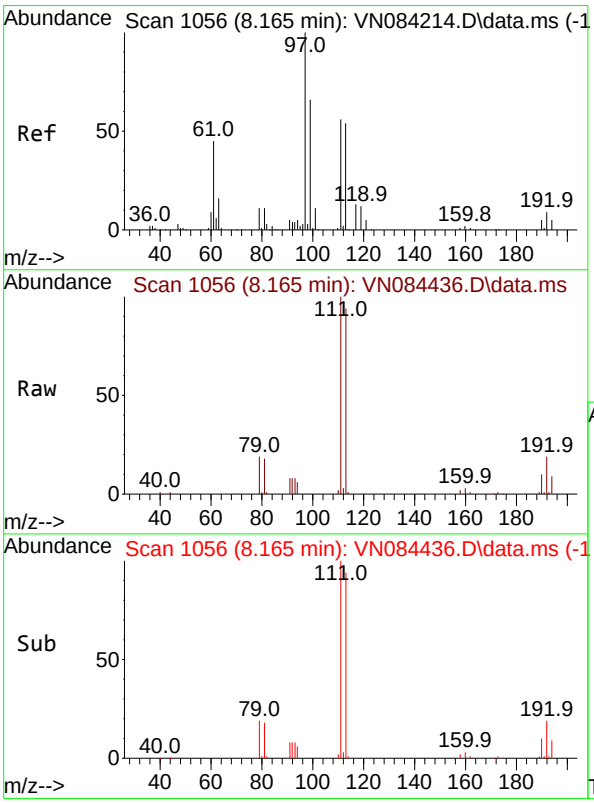
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

Tgt Ion:114 Resp: 318658

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	16.7	0.0	31.6

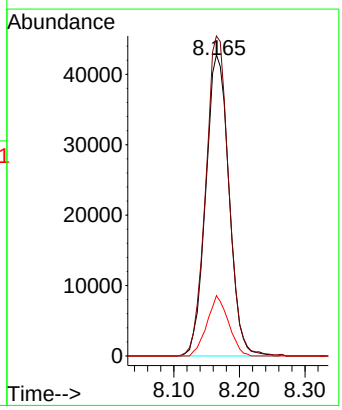


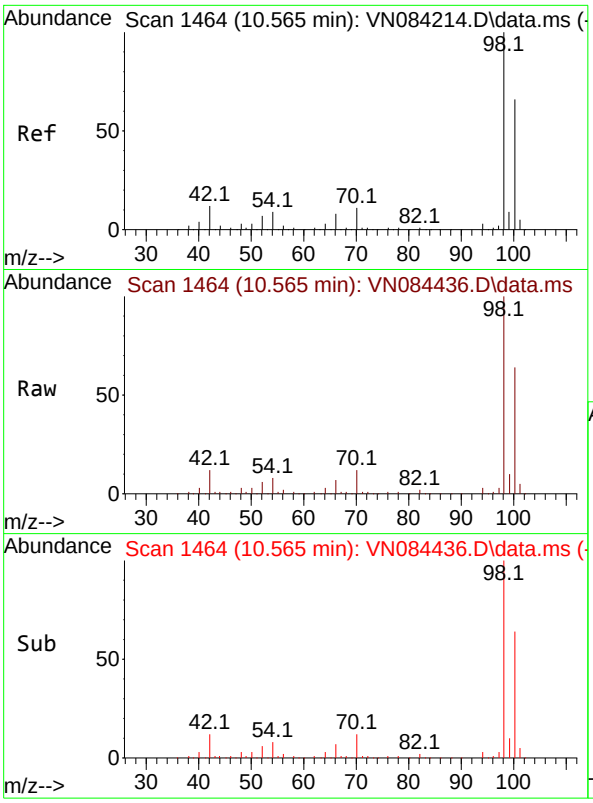


#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Tgt Ion:113 Resp: 105217

Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.3	124.9
192	18.5	13.5	20.3



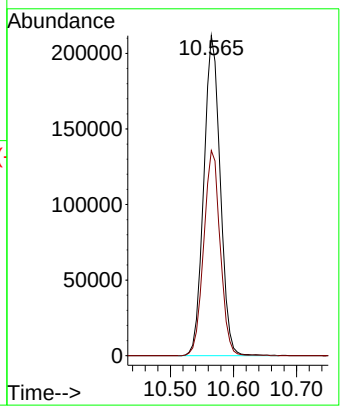


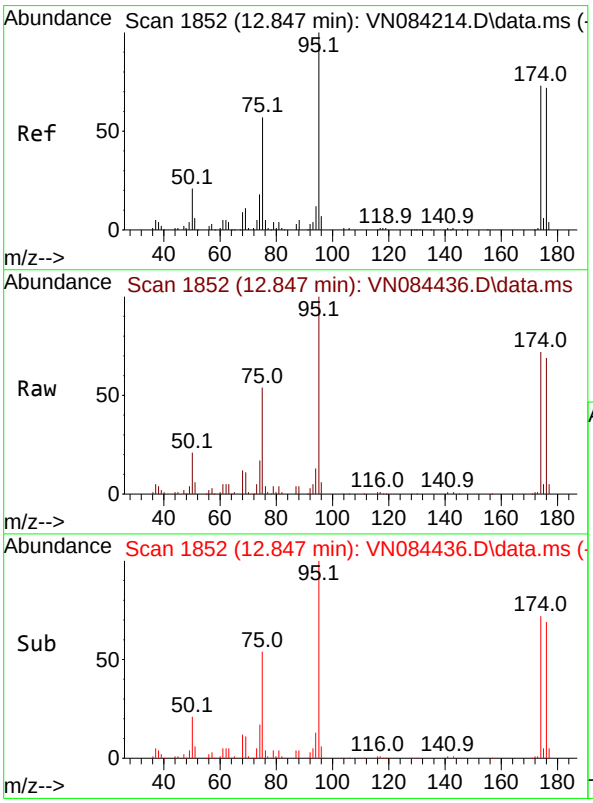
#50
Toluene-d8
Concen: 49.587 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

Tgt Ion: 98 Resp: 383263

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1

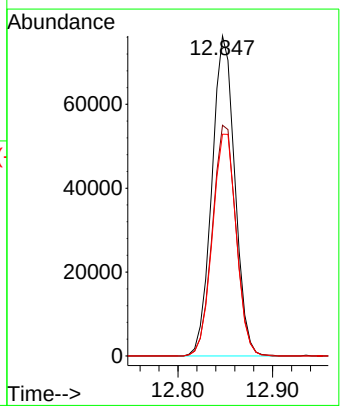


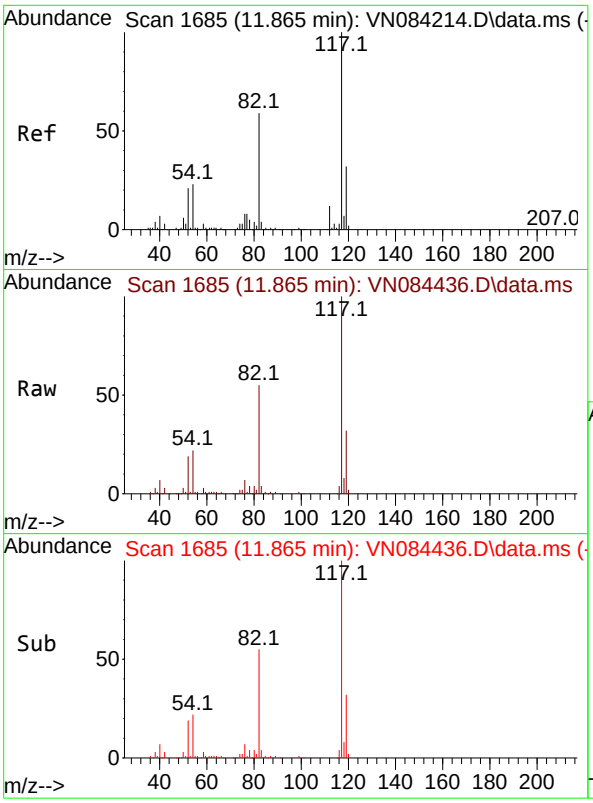


#62
4-Bromofluorobenzene
Concen: 45.642 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Tgt Ion: 95 Resp: 128518

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.2
176	72.2	0.0	140.0



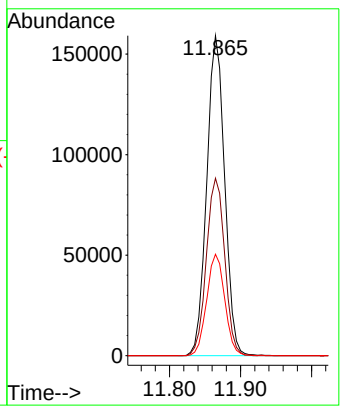


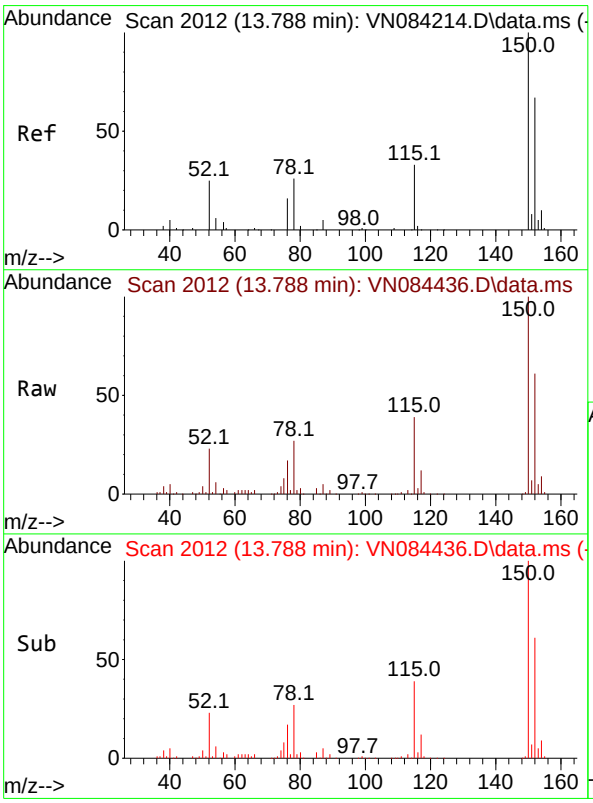
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

Tgt Ion:117 Resp: 278906

Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.2	70.8
119	31.7	25.4	38.0

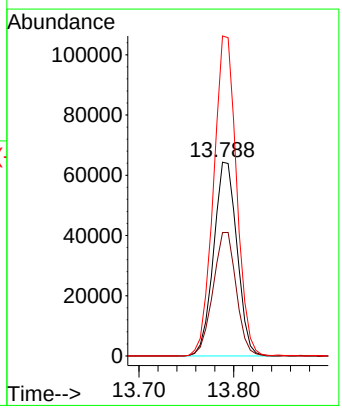




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084436.D
Acq: 21 Oct 2024 15:17

Tgt Ion:152 Resp: 110339

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	162.4	0.0	349.8



Sample Results: **VN084436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084436.D
Acq On : 21 Oct 2024 15:17
Operator : JC\MD
Sample : P4438-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

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: VN084436.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	144066	354770	35.14%	6.799%
2	8.224	1061	1066	1077	rVB	262184	567597	56.22%	10.878%
3	8.577	1118	1126	1138	rBV	163226	358464	35.51%	6.870%
4	9.100	1206	1215	1227	rBV	370971	755399	74.82%	14.477%
5	10.565	1455	1464	1474	rBV	558249	1009598	100.00%	19.349%
6	11.865	1677	1685	1695	rBV	487134	857736	84.96%	16.438%
7	12.847	1844	1852	1862	rBV	368638	618612	61.27%	11.856%
8	13.788	2005	2012	2021	rBV	410496	695720	68.91%	13.333%

Sum of corrected areas: 5217896

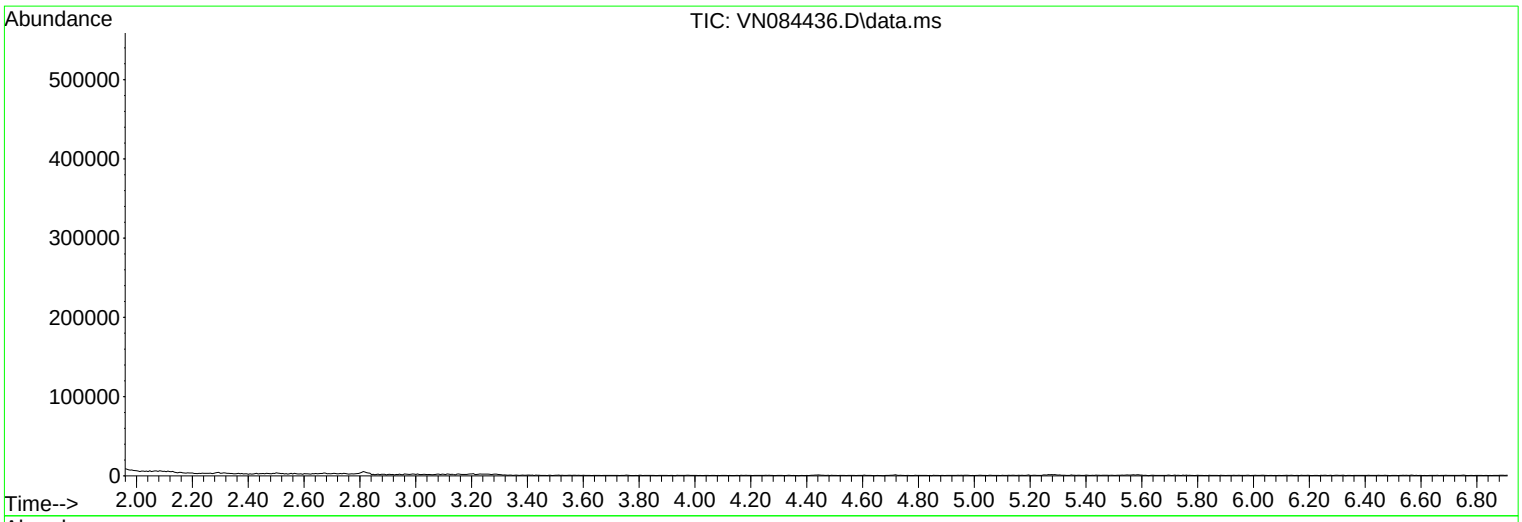
Sample Results: **VN084436.D**

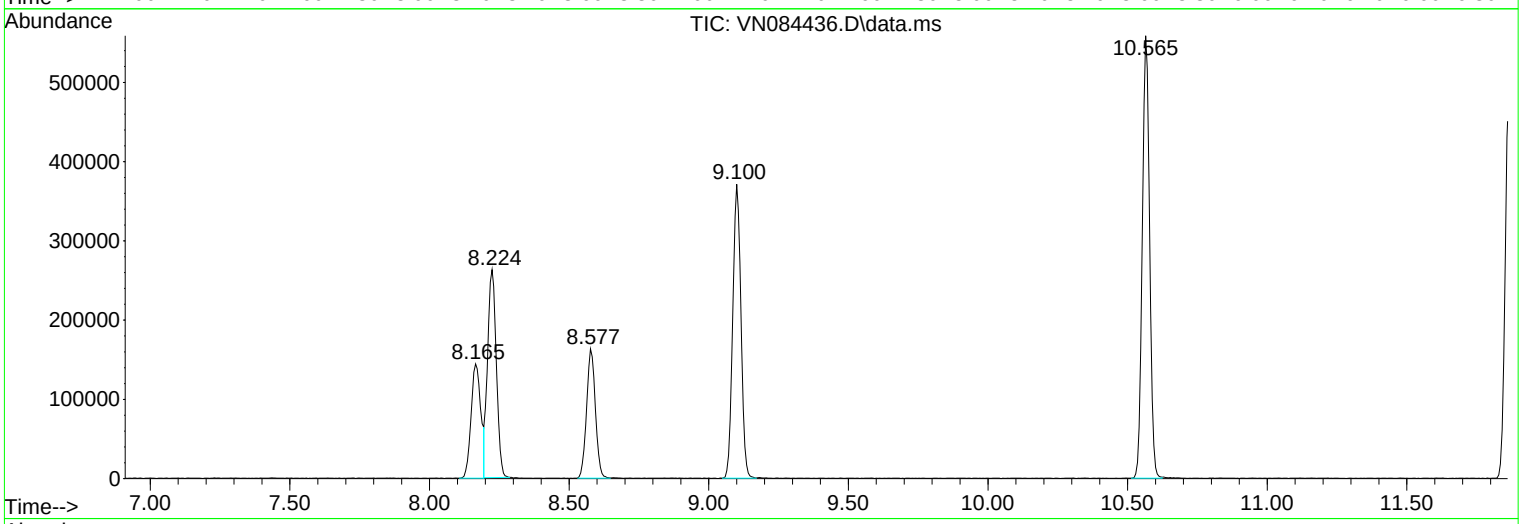
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084436.D
Acq On : 21 Oct 2024 15:17
Operator : JC\MD
Sample : P4438-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

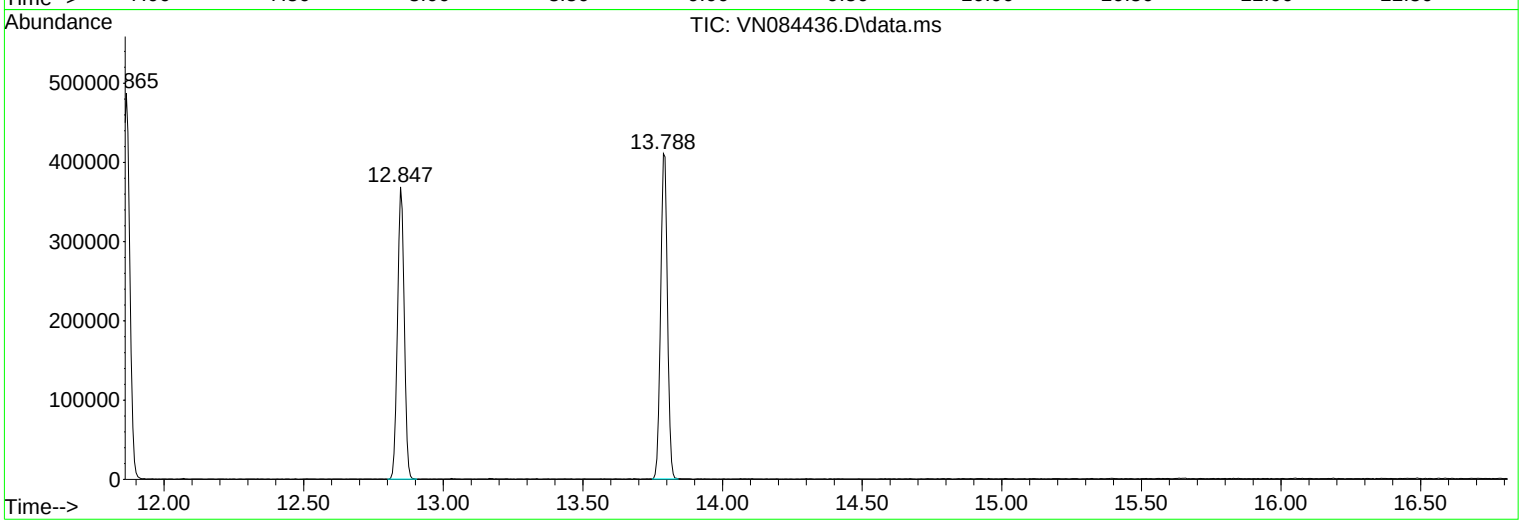
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

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\VN102124\
Data File : VN084436.D
Acq On : 21 Oct 2024 15:17
Operator : JC\MD
Sample : P4438-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

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\VN102124\
Data File : VN084436.D
Acq On : 21 Oct 2024 15:17
Operator : JC\MD
Sample : P4438-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241015

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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-EB-20241016	SDG No.:	P4438
Lab Sample ID:	P4438-02	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
VN084438.D	1		10/21/24 16:05	VN102124

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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-EB-20241016	SDG No.:	P4438
Lab Sample ID:	P4438-02	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
VN084438.D	1		10/21/24 16:05	VN102124

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	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	8.224				
540-36-3	1,4-Difluorobenzene	306000	9.1				
3114-55-4	Chlorobenzene-d5	266000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	102000	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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-EB-20241016	SDG No.:	P4438
Lab Sample ID:	P4438-02	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
VN084438.D	1		10/21/24 16:05	VN102124

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084438.D
Acq On : 21 Oct 2024 16:05
Operator : JC\MD
Sample : P4438-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

Quant Time: Oct 22 01:36:31 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

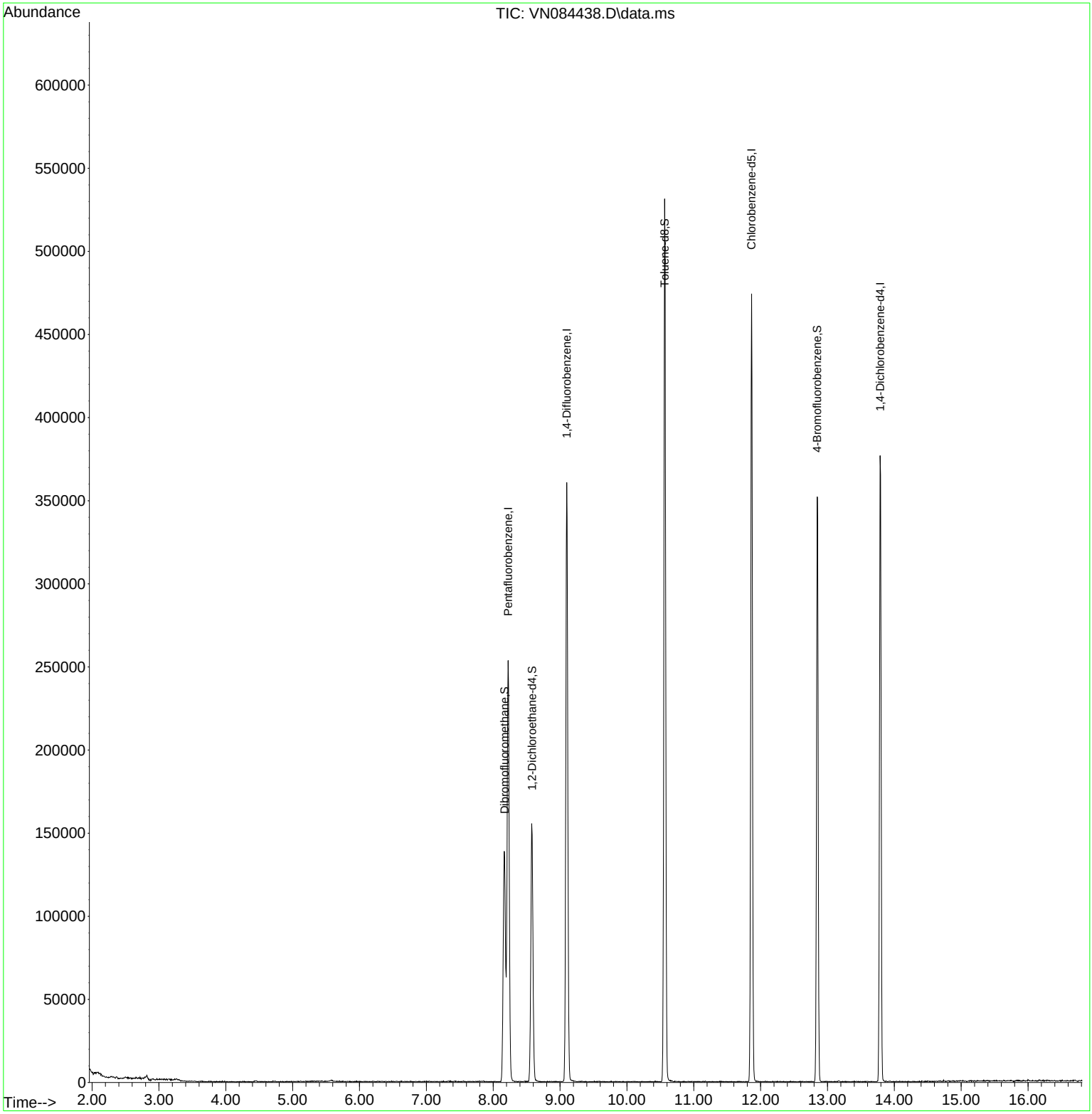
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125514	47.677	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.360%			
35) Dibromofluoromethane	8.171	113	102580	50.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	10.565	98	365538	49.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.847	95	126443	46.699	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.400%			
Target Compounds						Qvalue

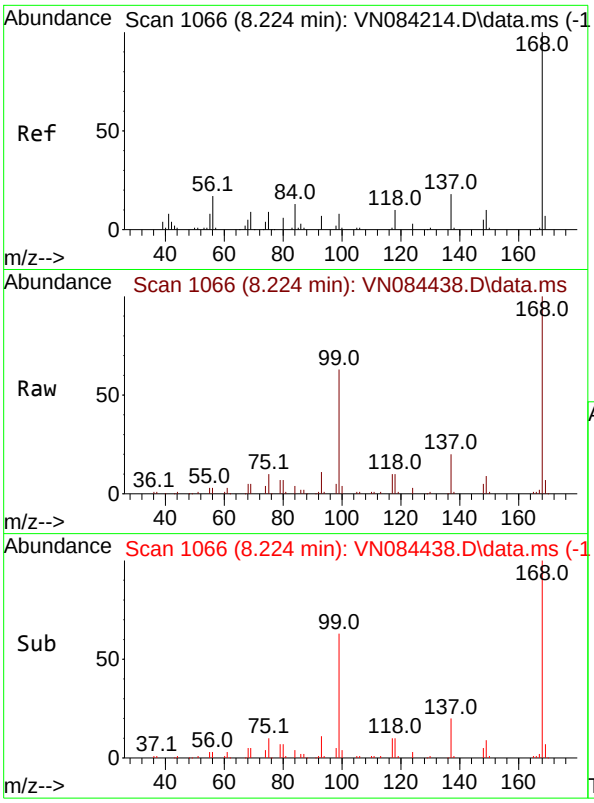
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084438.D
Acq On : 21 Oct 2024 16:05
Operator : JC\MD
Sample : P4438-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

Quant Time: Oct 22 01:36:31 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



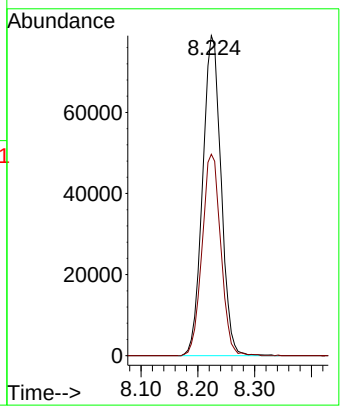


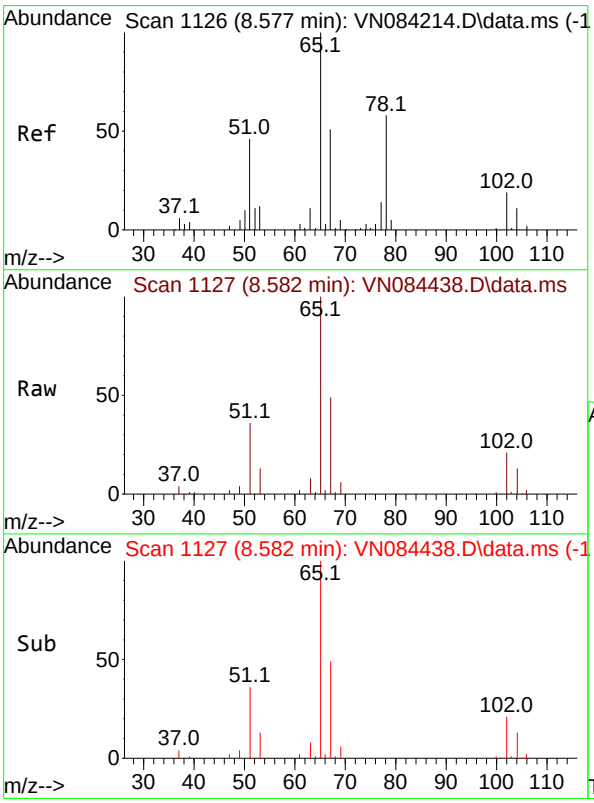
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

Tgt Ion:168 Resp: 177555

Ion	Ratio	Lower	Upper
168	100		
99	63.0	54.2	81.2

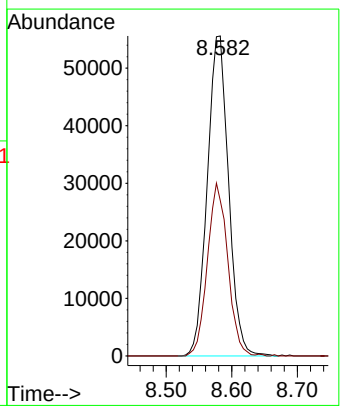


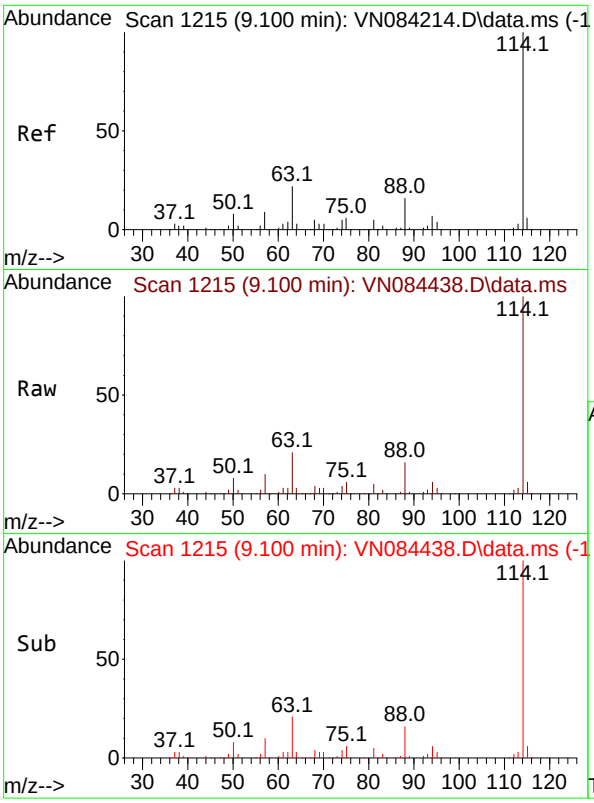


#33
1,2-Dichloroethane-d4
Concen: 47.677 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Tgt Ion: 65 Resp: 125514

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



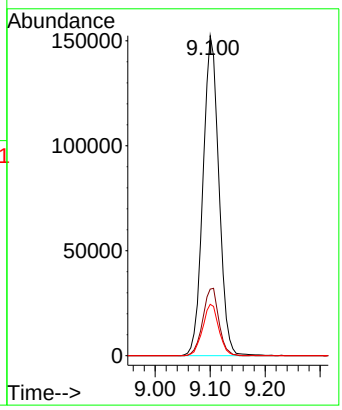


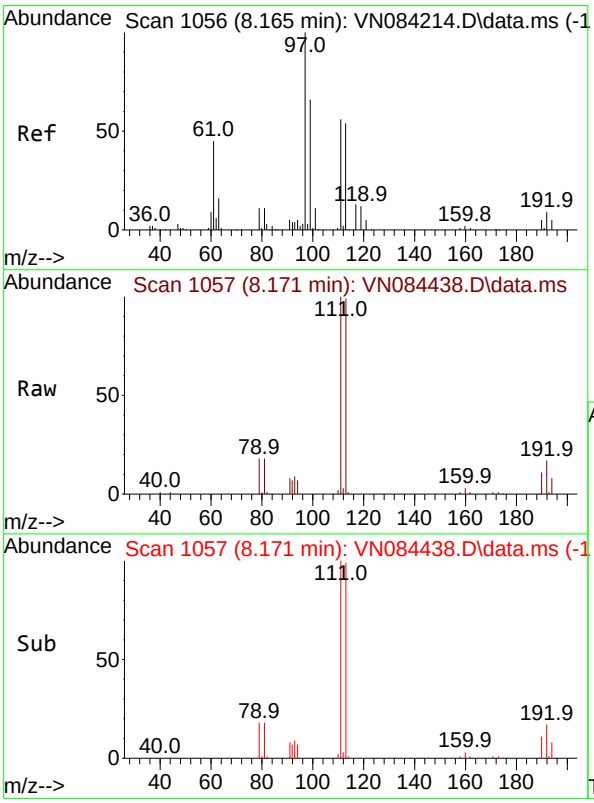
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

Tgt Ion:114 Resp: 306422

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.8
88	16.1	0.0	31.6

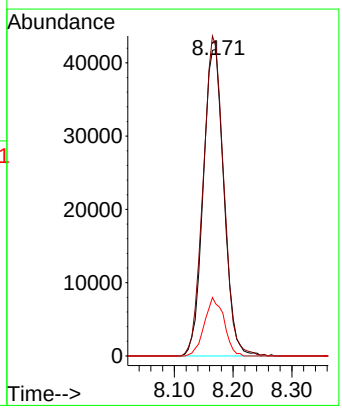


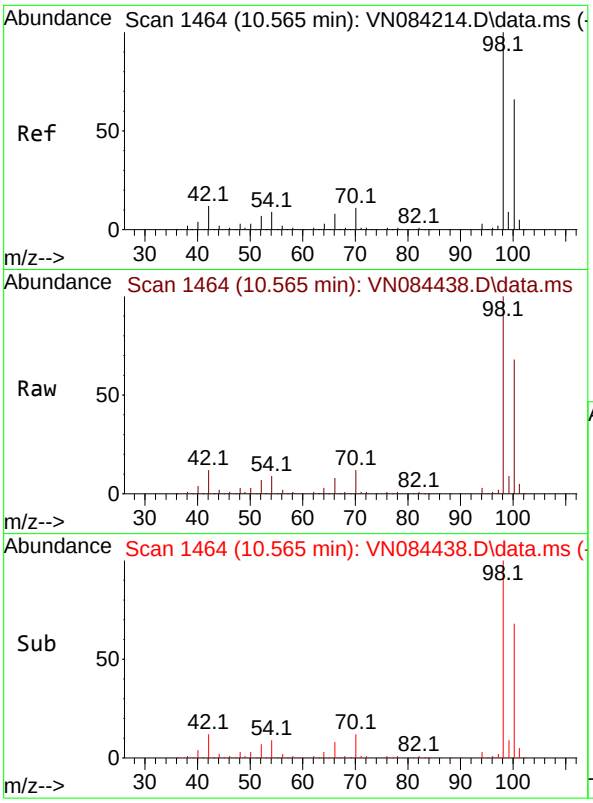


#35
Dibromofluoromethane
Concen: 50.779 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Tgt Ion:113 Resp: 102580

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	18.1	13.5	20.3



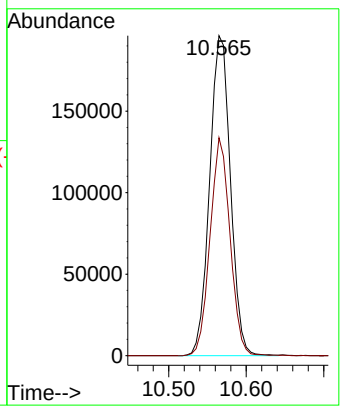


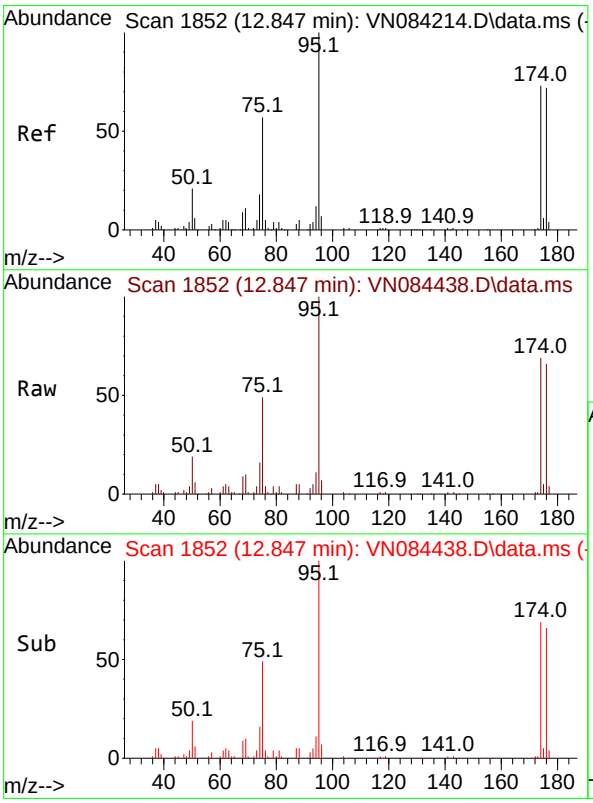
#50
Toluene-d8
Concen: 49.183 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

Tgt Ion: 98 Resp: 365538

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

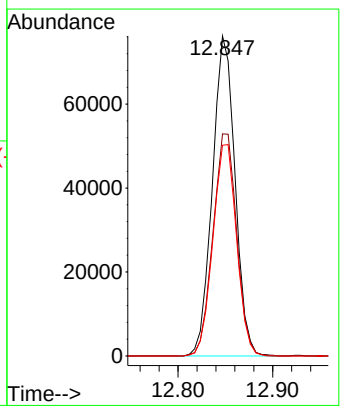


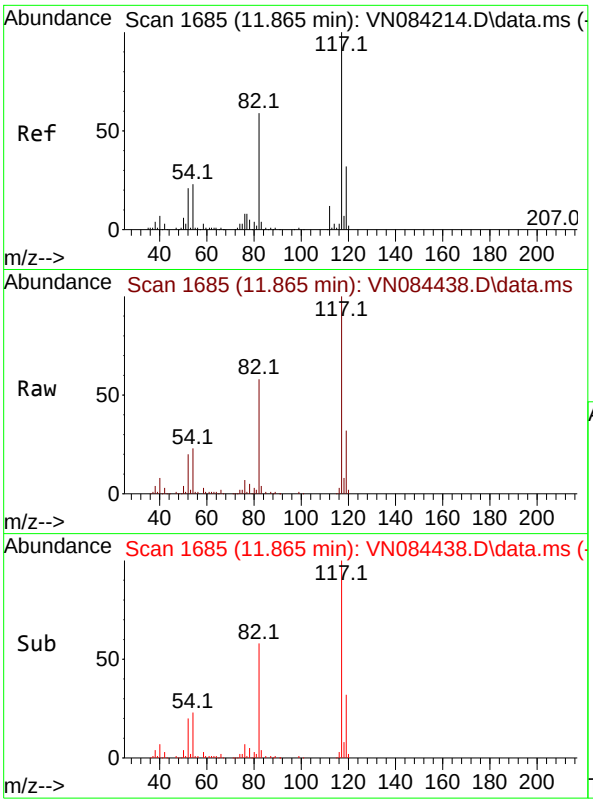


#62
4-Bromofluorobenzene
Concen: 46.699 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Tgt Ion: 95 Resp: 126443

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	69.2	0.0	140.0



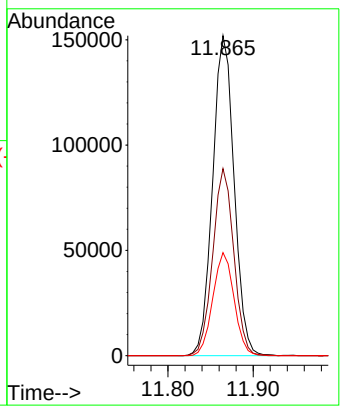


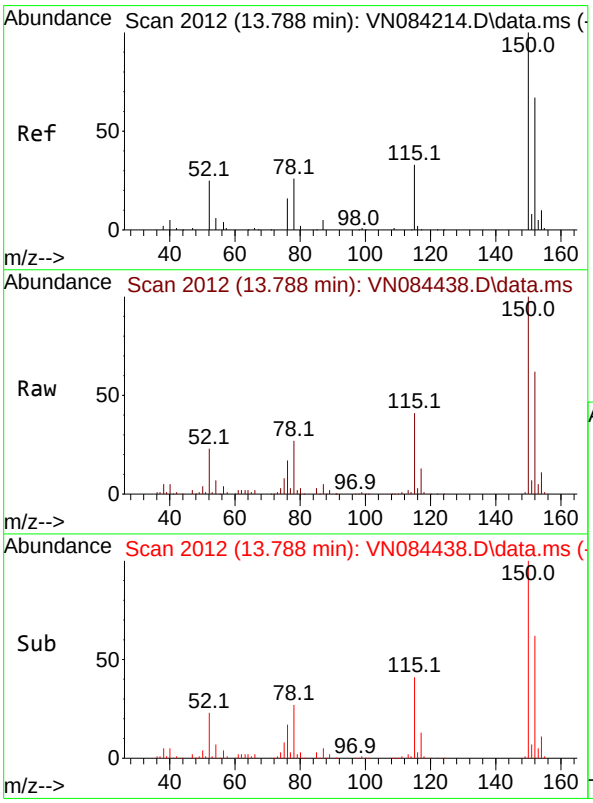
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

Tgt Ion:117 Resp: 265983

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.2	70.8
119	32.2	25.4	38.0

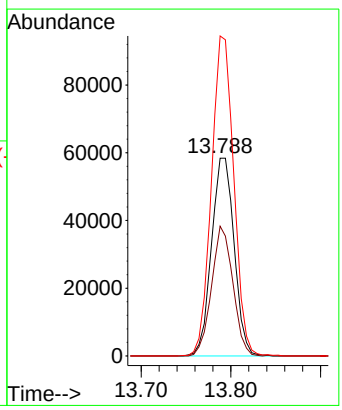




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084438.D
Acq: 21 Oct 2024 16:05

Tgt Ion:152 Resp: 102477

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	159.2	0.0	349.8



Sample Results: **VN084438.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084438.D
Acq On : 21 Oct 2024 16:05
Operator : JC\MD
Sample : P4438-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

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: VN084438.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	rBV	138749	341327	34.98%	6.831%
2	8.224	1061	1066	1078	rVB	253009	550767	56.44%	11.023%
3	8.577	1118	1126	1136	rBV	155077	342191	35.06%	6.848%
4	9.100	1206	1215	1229	rBV	360263	728115	74.61%	14.572%
5	10.565	1454	1464	1477	rBV	531297	975886	100.00%	19.530%
6	11.865	1677	1685	1696	rBV	474041	822989	84.33%	16.471%
7	12.847	1844	1852	1862	rBV	351913	593875	60.85%	11.885%
8	13.788	2006	2012	2025	rVB	376811	641592	65.74%	12.840%

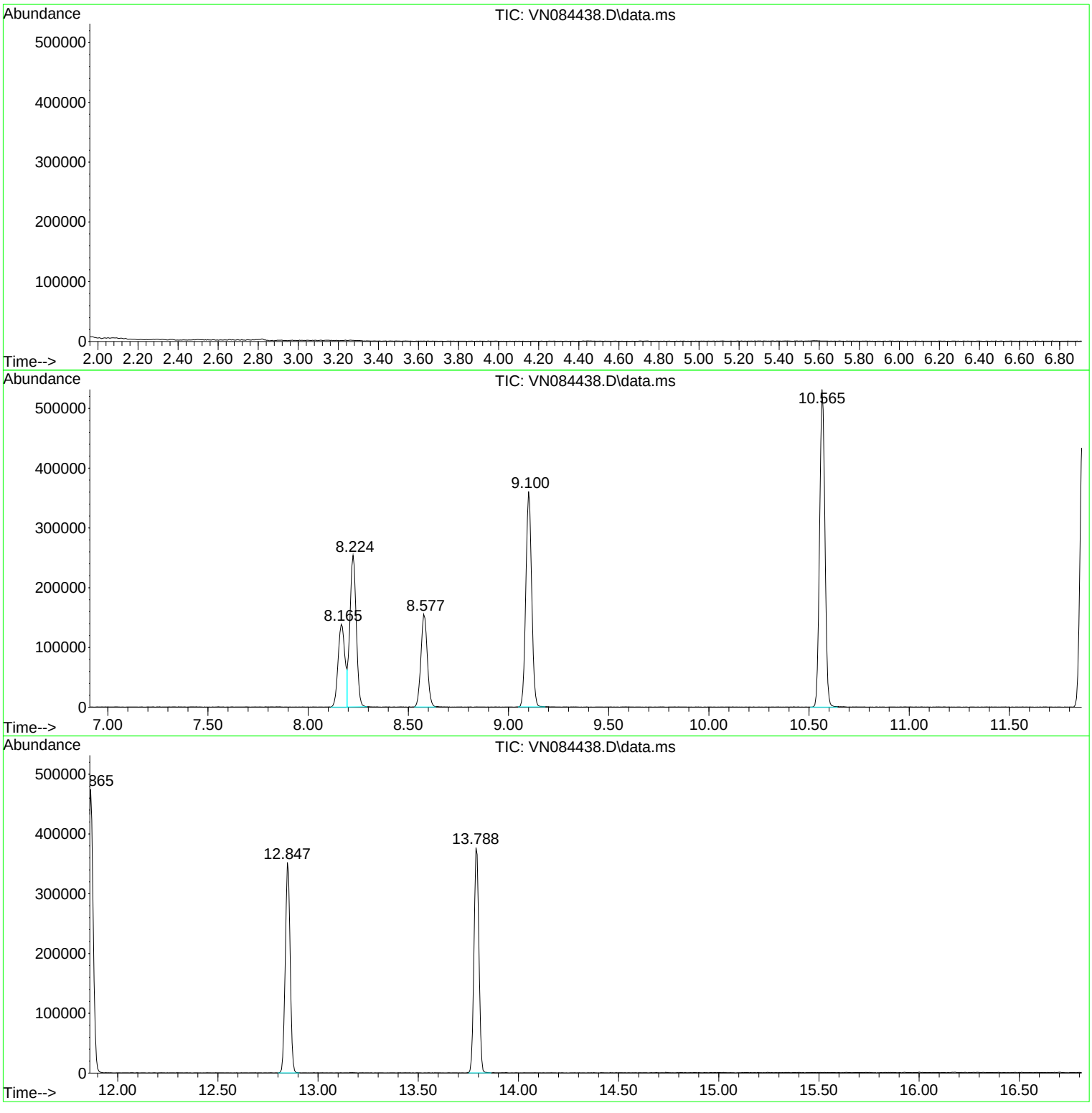
Sum of corrected areas: 4996742

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084438.D
Acq On : 21 Oct 2024 16:05
Operator : JC\MD
Sample : P4438-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

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\VN102124\
Data File : VN084438.D
Acq On : 21 Oct 2024 16:05
Operator : JC\MD
Sample : P4438-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

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\VN102124\
Data File : VN084438.D
Acq On : 21 Oct 2024 16:05
Operator : JC\MD
Sample : P4438-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241016

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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	VPB190-HYD-20241016	SDG No.:	P4438
Lab Sample ID:	P4438-03	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
VN084435.D	1		10/21/24 14:53	VN102124

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	3.70	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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	VPB190-HYD-20241016	SDG No.:	P4438
Lab Sample ID:	P4438-03	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
VN084435.D	1		10/21/24 14:53	VN102124

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	47.8		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	8.224				
540-36-3	1,4-Difluorobenzene	299000	9.1				
3114-55-4	Chlorobenzene-d5	256000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	VPB190-HYD-20241016	SDG No.:	P4438
Lab Sample ID:	P4438-03	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
VN084435.D	1		10/21/24 14:53	VN102124

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\VN102124\
Data File : VN084435.D
Acq On : 21 Oct 2024 14:53
Operator : JC\MD
Sample : P4438-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Quant Time: Oct 22 01:34:48 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

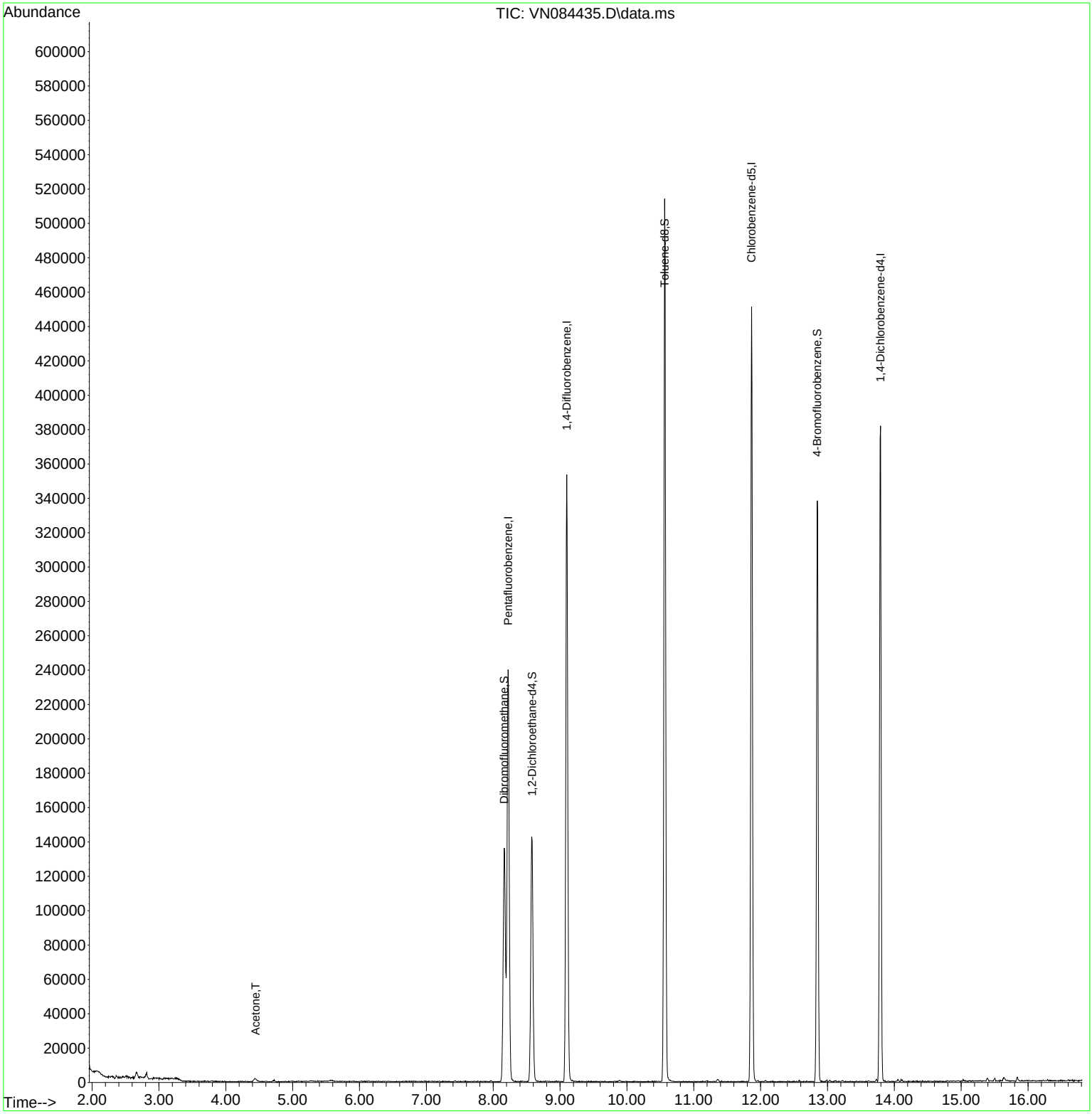
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121285	47.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.640%		
35) Dibromofluoromethane	8.165	113	98459	49.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.565	98	352871	48.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.160%		
62) 4-Bromofluorobenzene	12.847	95	118686	44.849	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.700%		
Target Compounds						Qvalue
16) Acetone	4.448	43	4008	3.679	ug/l #	83

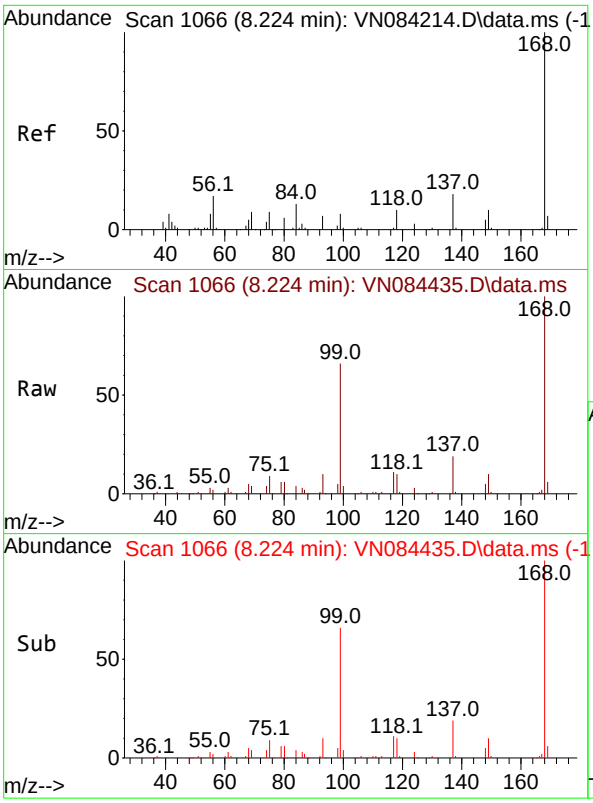
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084435.D
Acq On : 21 Oct 2024 14:53
Operator : JC\MD
Sample : P4438-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Quant Time: Oct 22 01:34:48 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



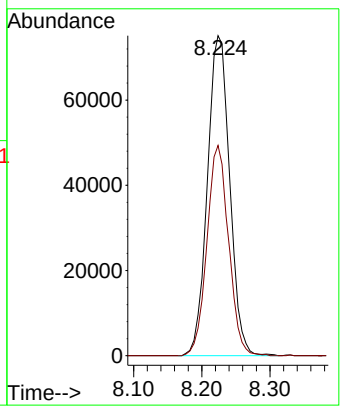


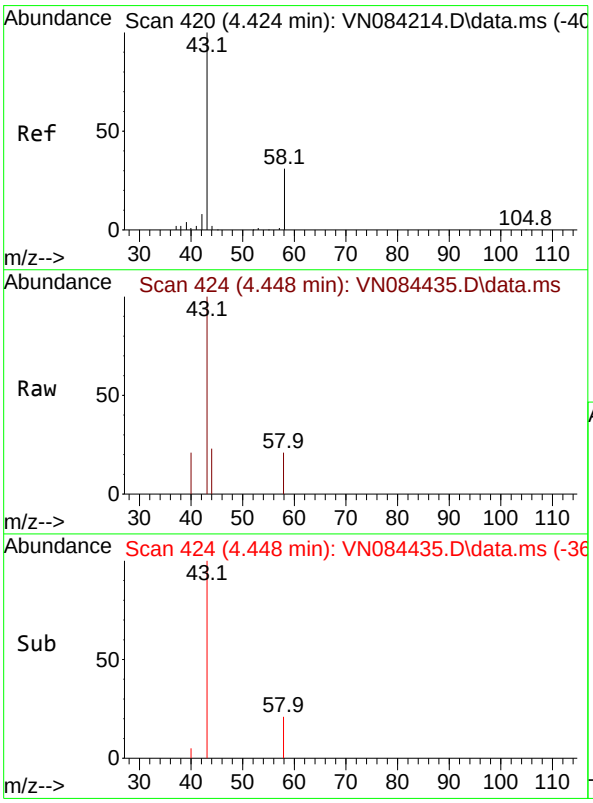
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Tgt Ion:168 Resp: 171057

Ion	Ratio	Lower	Upper
168	100		
99	65.7	54.2	81.2

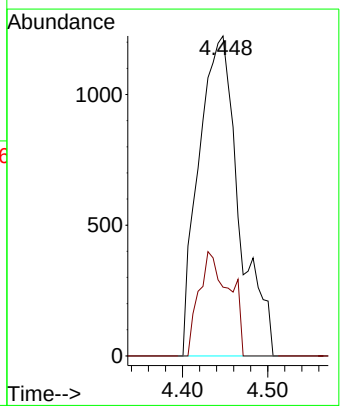


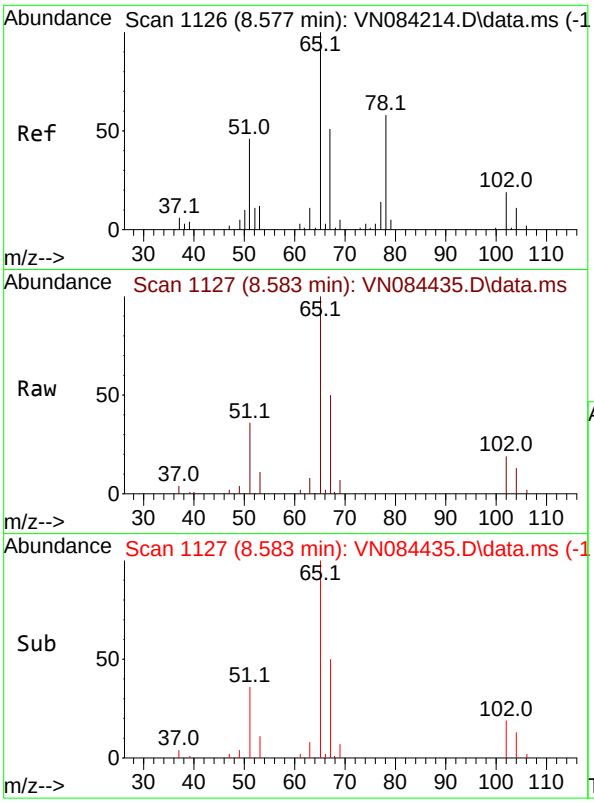


#16
Acetone
Concen: 3.679 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 43 Resp: 4008

Ion	Ratio	Lower	Upper
43	100		
58	21.5	24.4	36.6#



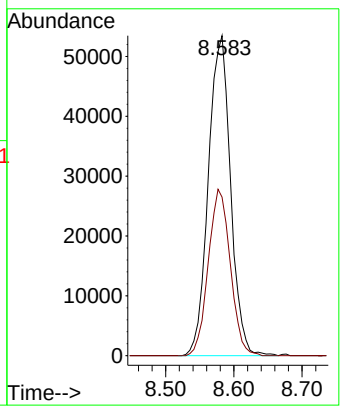


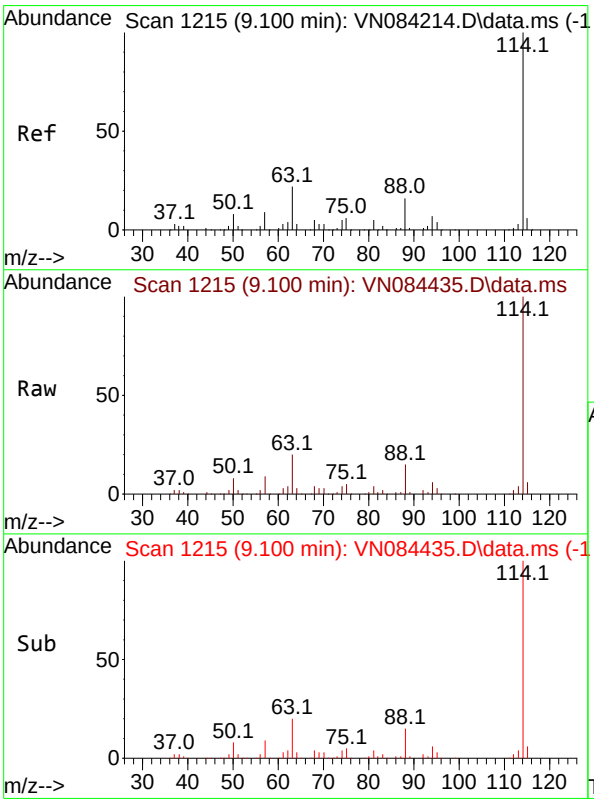
#33
1,2-Dichloroethane-d4
Concen: 47.821 ug/l
RT: 8.583 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Tgt Ion: 65 Resp: 121285

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

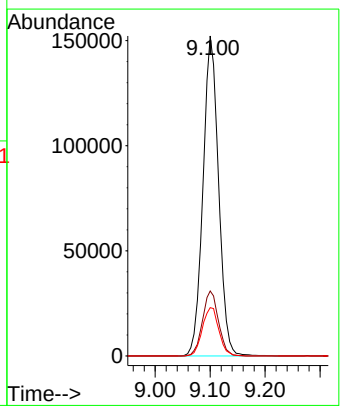


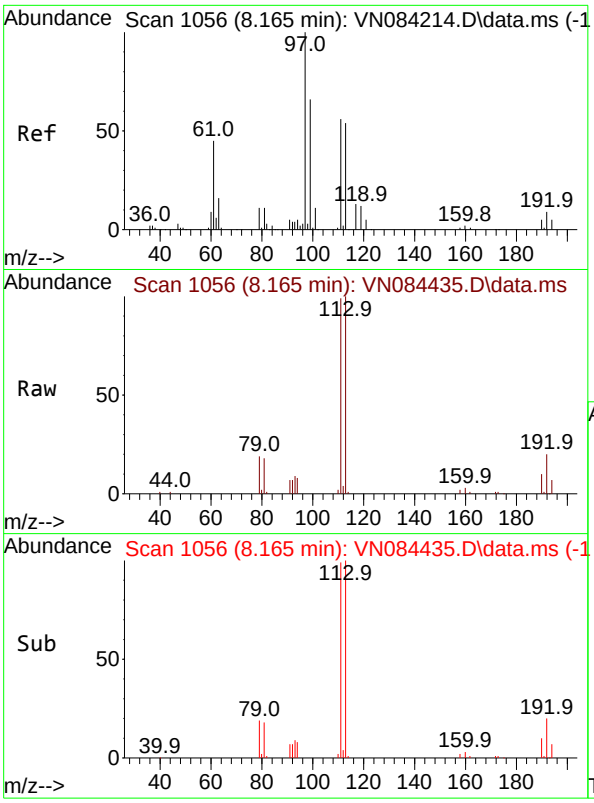


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion:114 Resp: 299485

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	15.1	0.0	31.6



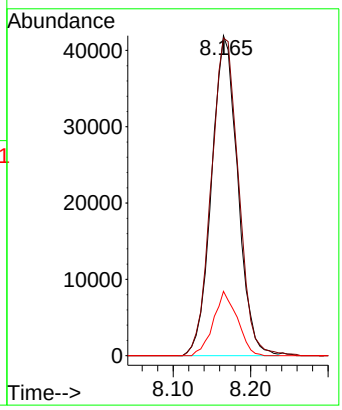


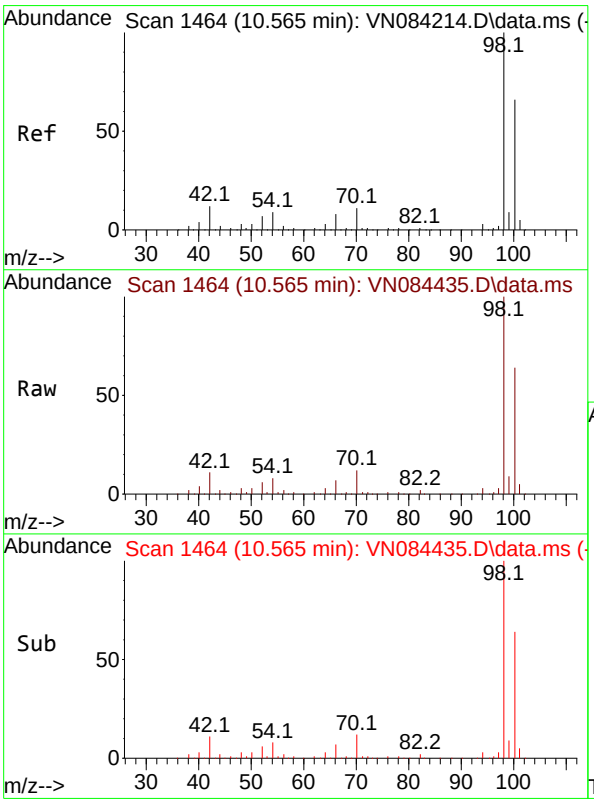
#35
Dibromofluoromethane
Concen: 49.868 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Tgt Ion:113 Resp: 98459

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	18.3	13.5	20.3

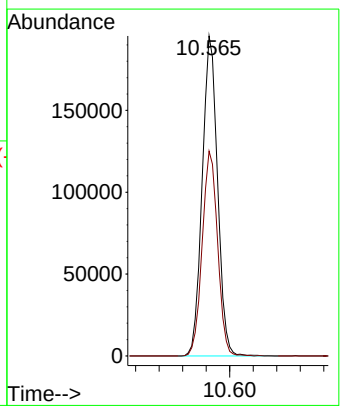


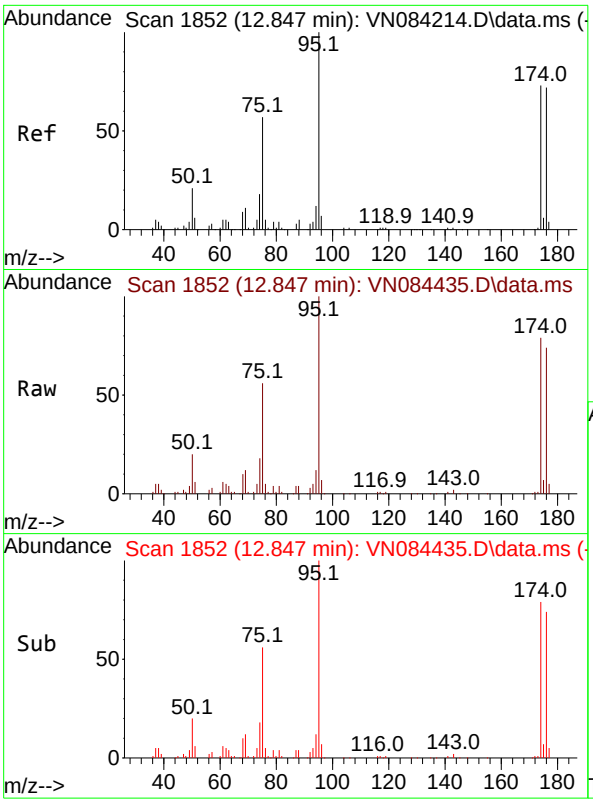


#50
Toluene-d8
Concen: 48.578 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion: 98 Resp: 352871

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1



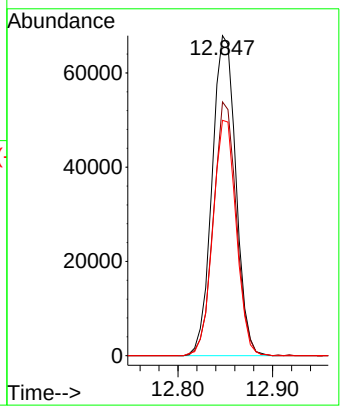


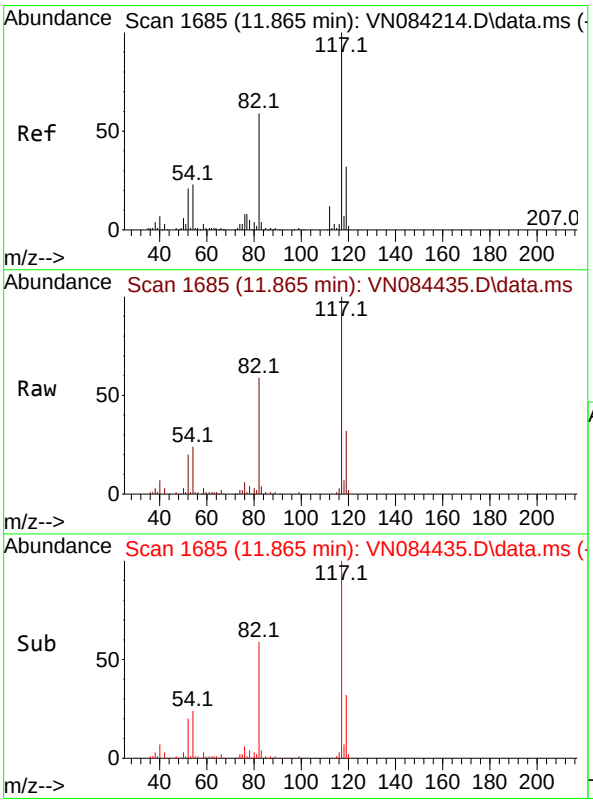
#62
4-Bromofluorobenzene
Concen: 44.849 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Tgt Ion: 95 Resp: 118686

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	145.2
176	72.3	0.0	140.0

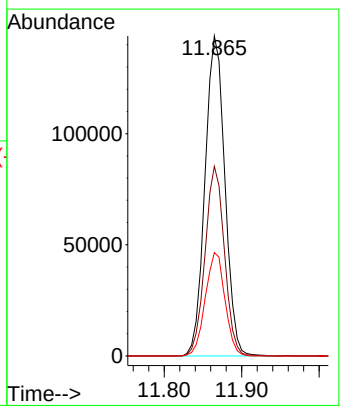


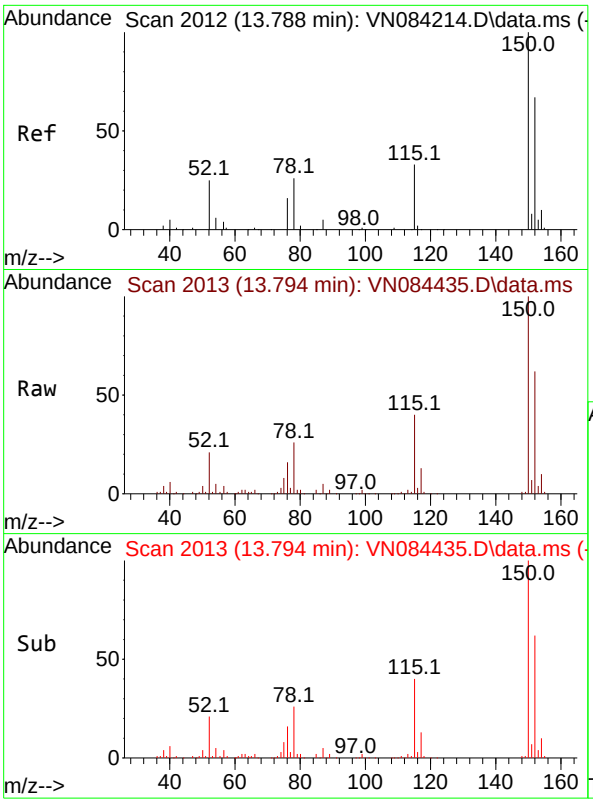


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Tgt Ion:117 Resp: 256223

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.3	25.4	38.0



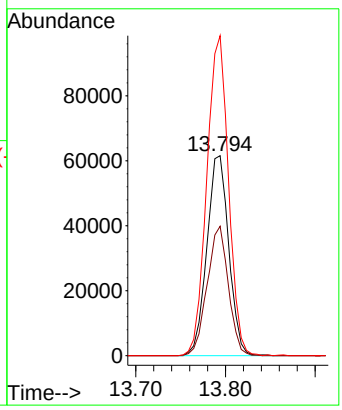


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084435.D
Acq: 21 Oct 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

Tgt Ion:152 Resp: 104212

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084435.D
Acq On : 21 Oct 2024 14:53
Operator : JC\MD
Sample : P4438-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

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: VN084435.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	rBV	135898	328386	35.32%	6.789%
2	8.224	1061	1066	1082	rVB	239764	528131	56.80%	10.918%
3	8.577	1117	1126	1138	rBV	142512	329076	35.39%	6.803%
4	9.100	1206	1215	1227	rBV	353439	704593	75.78%	14.566%
5	10.565	1456	1464	1477	rBV	513610	929835	100.00%	19.223%
6	11.865	1677	1685	1697	rBV	450961	794150	85.41%	16.418%
7	12.847	1845	1852	1861	rBV	338214	574426	61.78%	11.875%
8	13.794	2005	2013	2023	rBV	381663	648617	69.76%	13.409%

Sum of corrected areas: 4837214

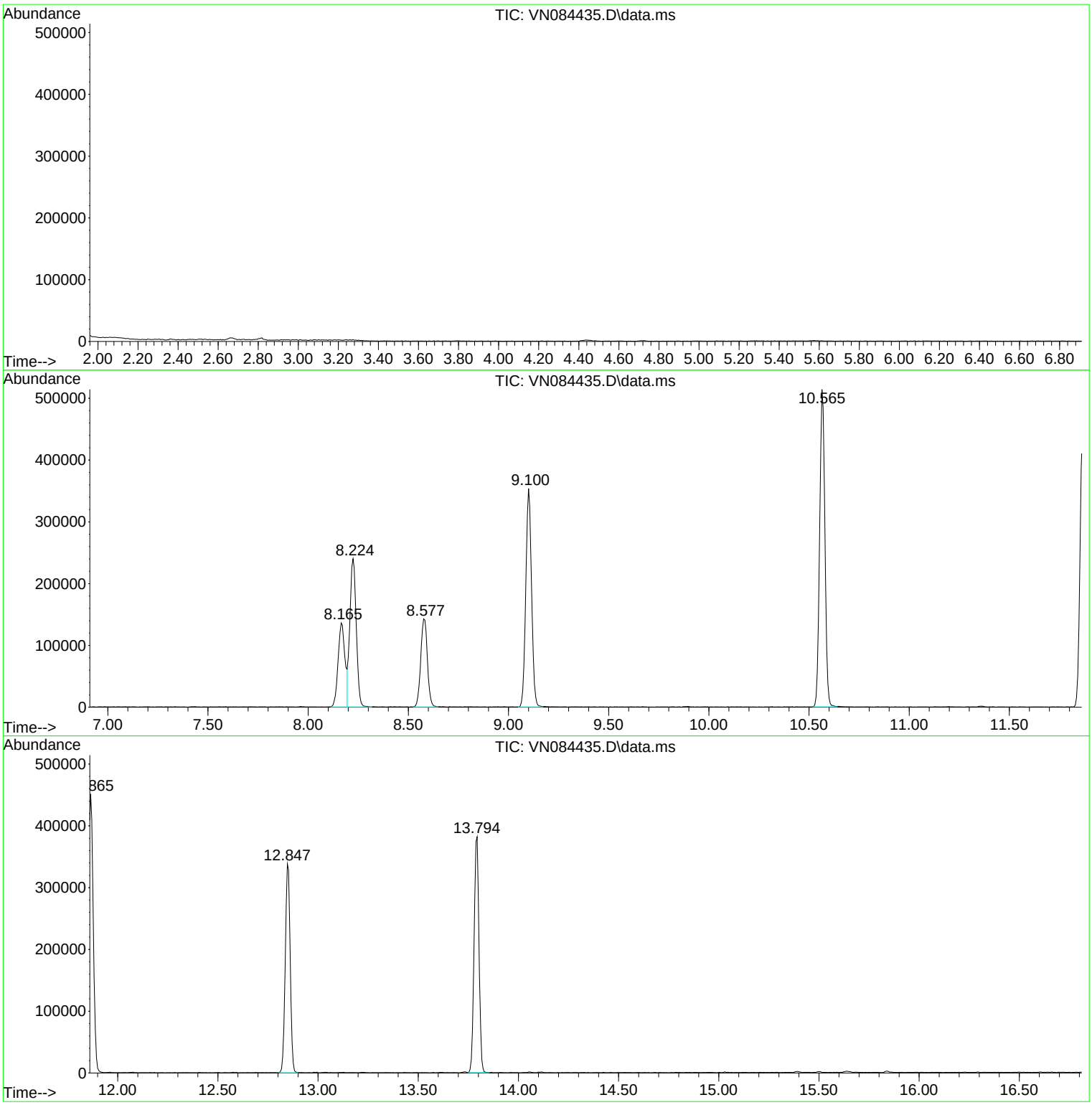
Sample Results: **VN084435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084435.D
Acq On : 21 Oct 2024 14:53
Operator : JC\MD
Sample : P4438-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

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\VN102124\
Data File : VN084435.D
Acq On : 21 Oct 2024 14:53
Operator : JC\MD
Sample : P4438-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

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\VN102124\
Data File : VN084435.D
Acq On : 21 Oct 2024 14:53
Operator : JC\MD
Sample : P4438-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241016

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:	10/15/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-58-60	SDG No.:	P4438
Lab Sample ID:	P4438-04	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
VN084439.D	1		10/21/24 16:29	VN102124

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	5.20		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:	10/15/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-58-60	SDG No.:	P4438
Lab Sample ID:	P4438-04	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
VN084439.D	1		10/21/24 16:29	VN102124

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	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	8.224				
540-36-3	1,4-Difluorobenzene	291000	9.1				
3114-55-4	Chlorobenzene-d5	254000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	107000	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:	10/15/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-58-60	SDG No.:	P4438
Lab Sample ID:	P4438-04	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
VN084439.D	1		10/21/24 16:29	VN102124

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\VN102124\
Data File : VN084439.D
Acq On : 21 Oct 2024 16:29
Operator : JC\MD
Sample : P4438-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Quant Time: Oct 22 01:37:02 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

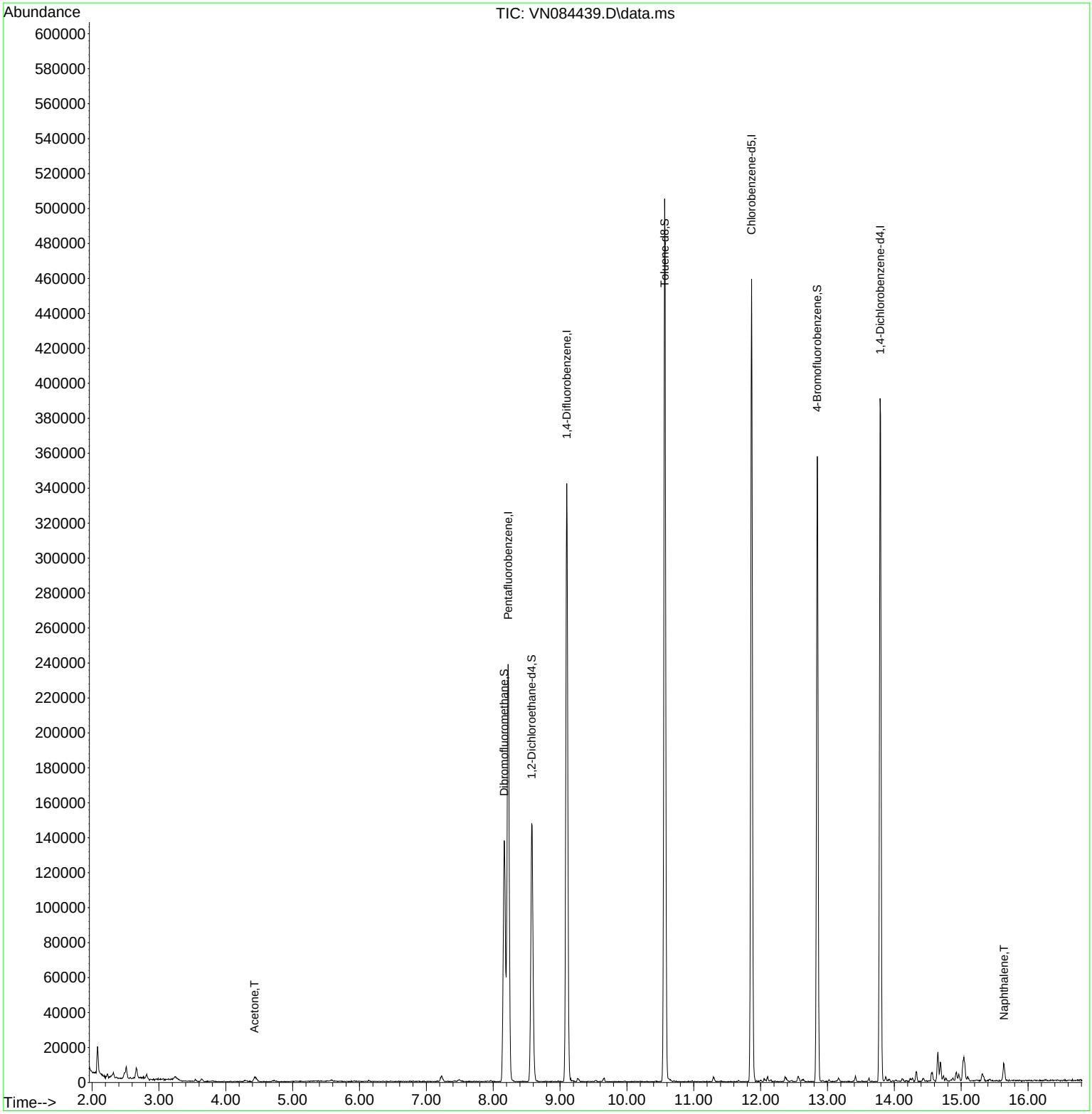
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121477	48.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.600%			
35) Dibromofluoromethane	8.165	113	99450	51.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	10.565	98	351622	49.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.847	95	125637	48.897	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.800%			
Target Compounds						Qvalue
16) Acetone	4.430	43	5607	5.190	ug/l	98
95) Naphthalene	15.641	128	9531	1.612	ug/l	97

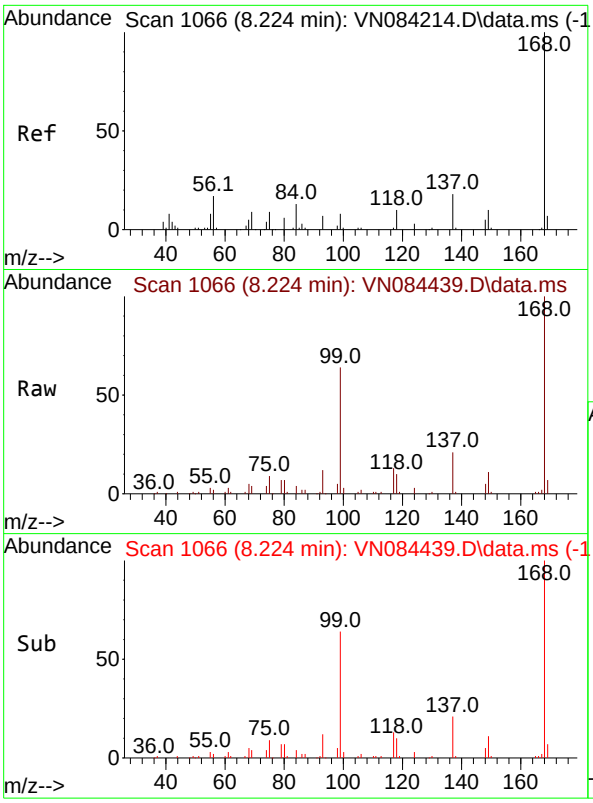
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084439.D
Acq On : 21 Oct 2024 16:29
Operator : JC\MD
Sample : P4438-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Quant Time: Oct 22 01:37:02 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



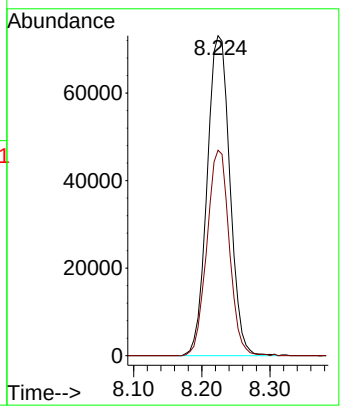


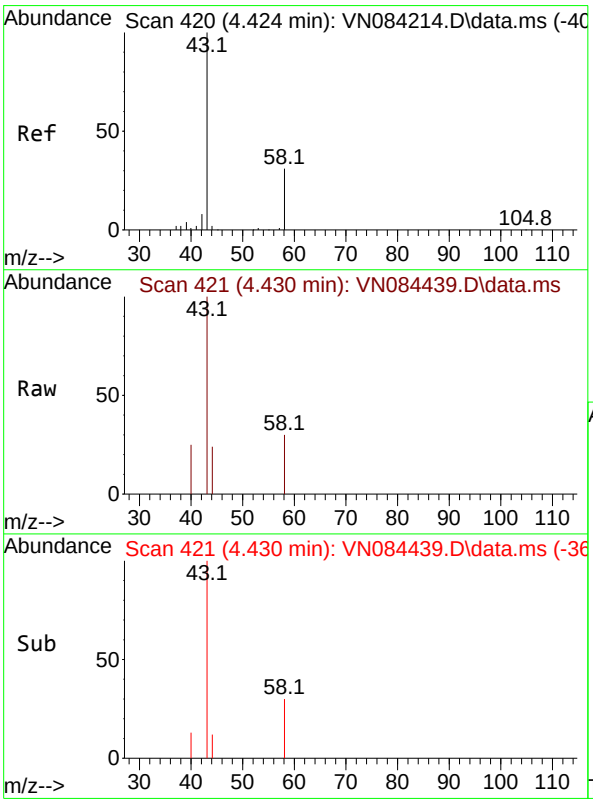
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Tgt Ion:168 Resp: 169620

Ion	Ratio	Lower	Upper
168	100		
99	64.2	54.2	81.2

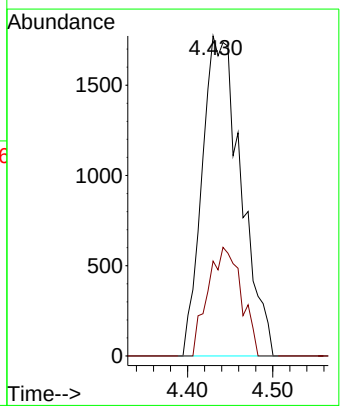


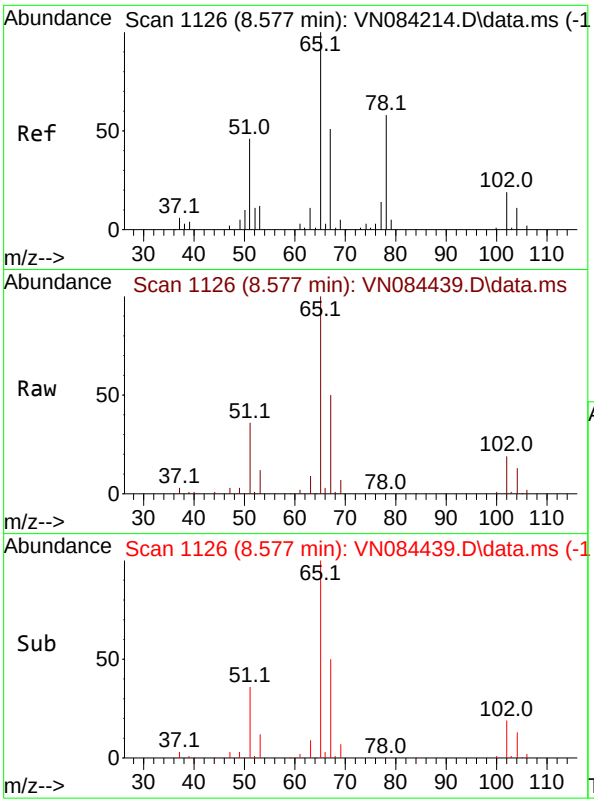


#16
Acetone
Concen: 5.190 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion: 43 Resp: 5607

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.4	36.6



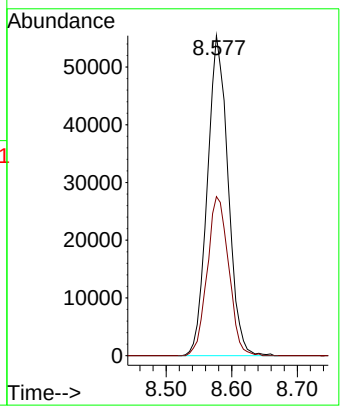


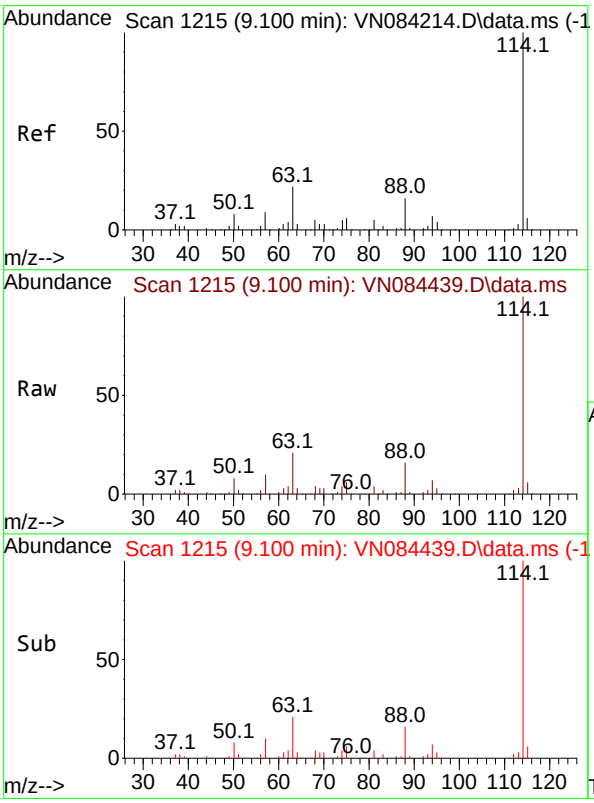
#33
1,2-Dichloroethane-d4
Concen: 48.302 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Tgt Ion: 65 Resp: 121477

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

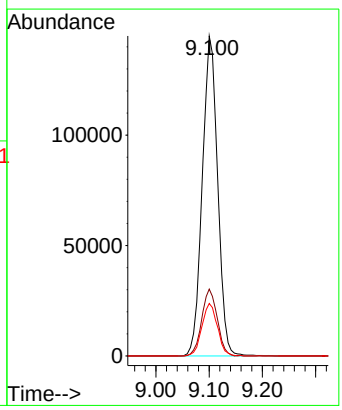


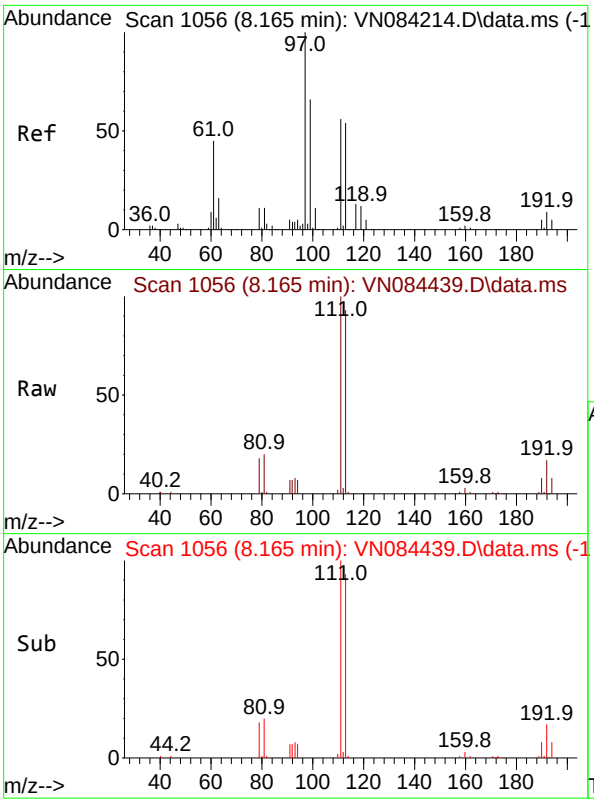


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion:114 Resp: 290778

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	16.4	0.0	31.6



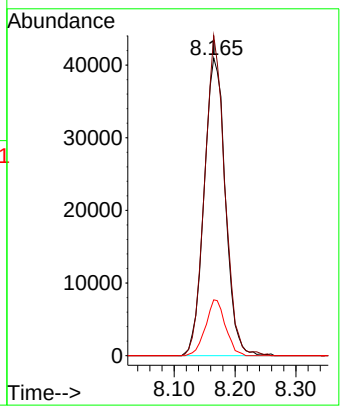


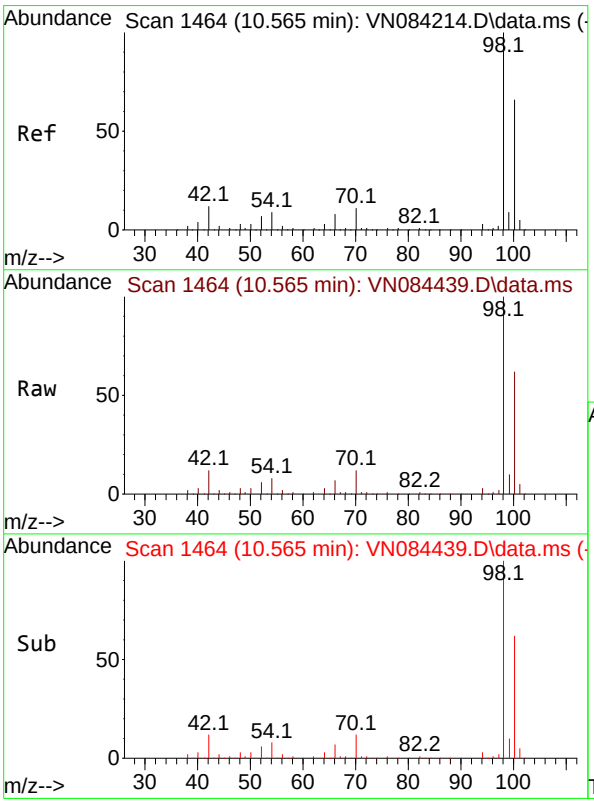
#35
Dibromofluoromethane
Concen: 51.878 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Tgt Ion:113 Resp: 99450

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	17.5	13.5	20.3

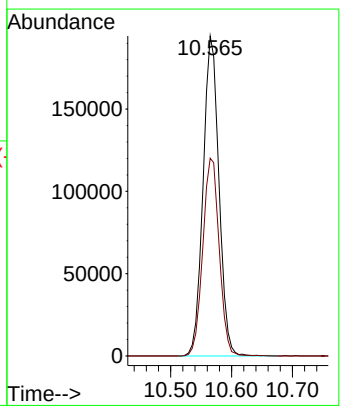


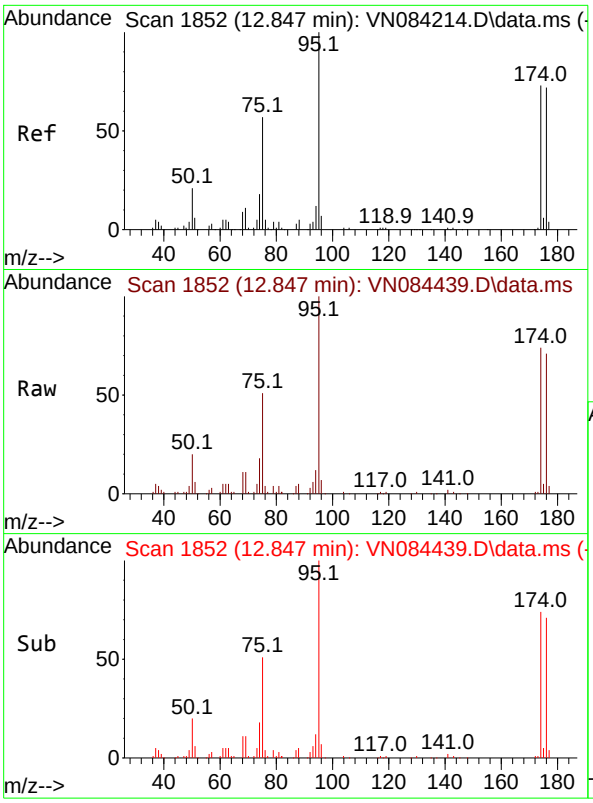


#50
Toluene-d8
Concen: 49.856 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion: 98 Resp: 351622

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.7	79.1



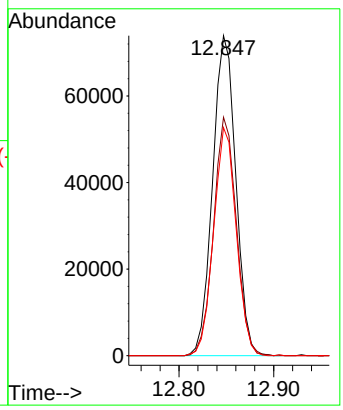


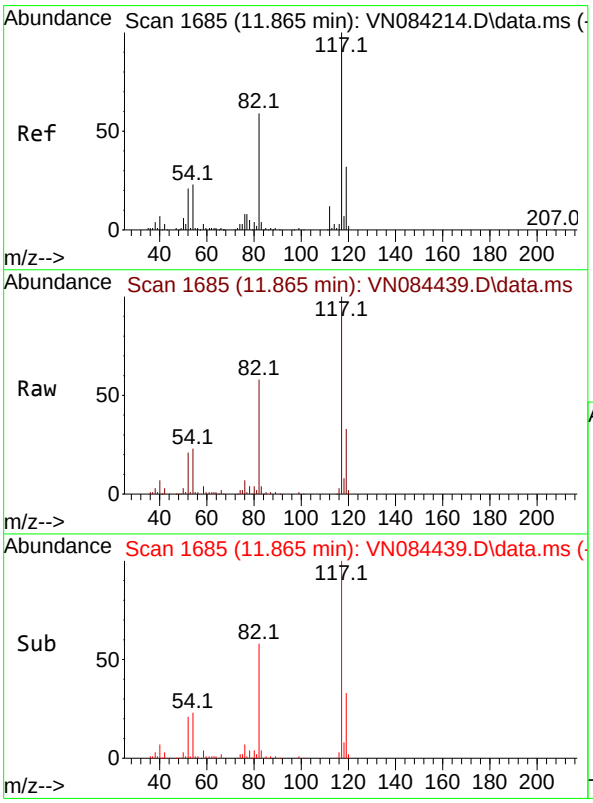
#62
4-Bromofluorobenzene
Concen: 48.897 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Tgt Ion: 95 Resp: 125637

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	145.2
176	69.8	0.0	140.0

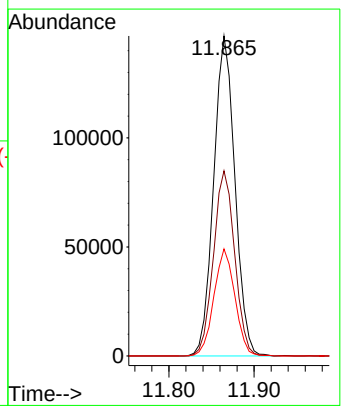


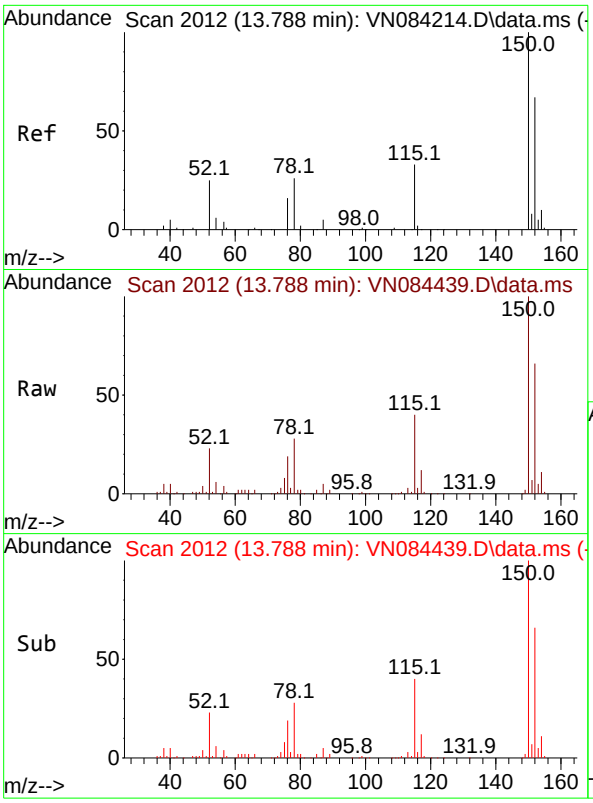


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion:117 Resp: 254308

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.2	70.8
119	33.4	25.4	38.0



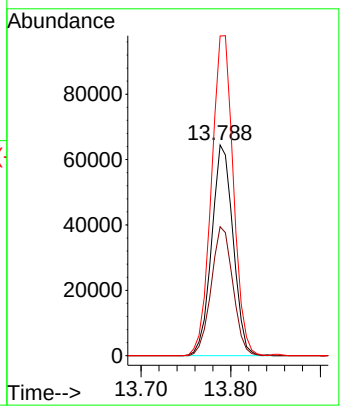


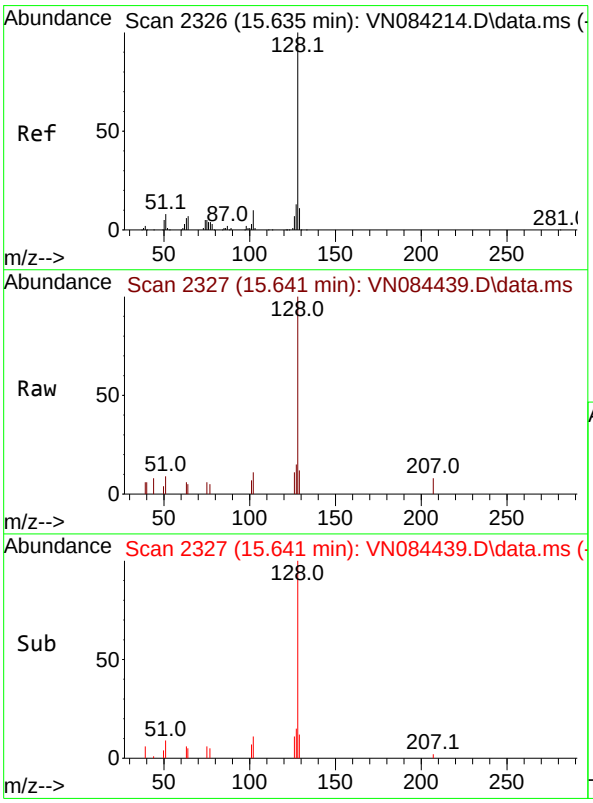
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

Tgt Ion:152 Resp: 106943

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	155.1	0.0	349.8

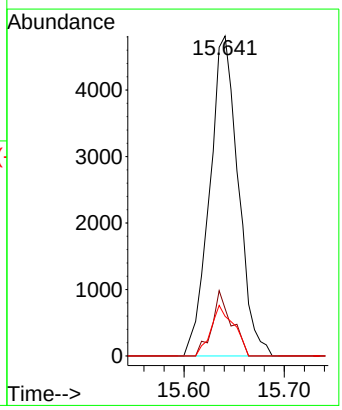




#95
Naphthalene
Concen: 1.612 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084439.D
Acq: 21 Oct 2024 16:29

Tgt Ion:128 Resp: 9531

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	12.7	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084439.D
Acq On : 21 Oct 2024 16:29
Operator : JC\MD
Sample : P4438-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

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: VN084439.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	31	rVB2	15959	23301	2.50%	0.465%
2	2.512	92	95	102	rVB2	6912	9901	1.06%	0.197%
3	2.659	116	120	127	rVB2	5923	10367	1.11%	0.207%
4	8.165	1046	1056	1061	rBV	138053	329206	35.37%	6.566%
5	8.224	1061	1066	1081	rVB	238770	525106	56.42%	10.474%
6	8.577	1116	1126	1138	rBV	147656	338404	36.36%	6.750%
7	9.100	1206	1215	1227	rBV	342102	690116	74.15%	13.765%
8	10.565	1455	1464	1478	rBV	505098	930655	100.00%	18.563%
9	11.865	1677	1685	1695	rVB	459368	798361	85.78%	15.924%
10	12.847	1845	1852	1861	rBV	357743	594989	63.93%	11.868%
11	13.788	2005	2012	2022	rBV	390940	659128	70.82%	13.147%
12	14.653	2153	2159	2162	rBV3	16860	27158	2.92%	0.542%
13	14.688	2162	2165	2170	rVB	9803	14496	1.56%	0.289%
14	15.041	2218	2225	2232	rBV5	13267	32597	3.50%	0.650%
15	15.317	2267	2272	2280	rVB5	4369	9868	1.06%	0.197%
16	15.635	2318	2326	2333	rBV	10363	19904	2.14%	0.397%

Sum of corrected areas: 5013557

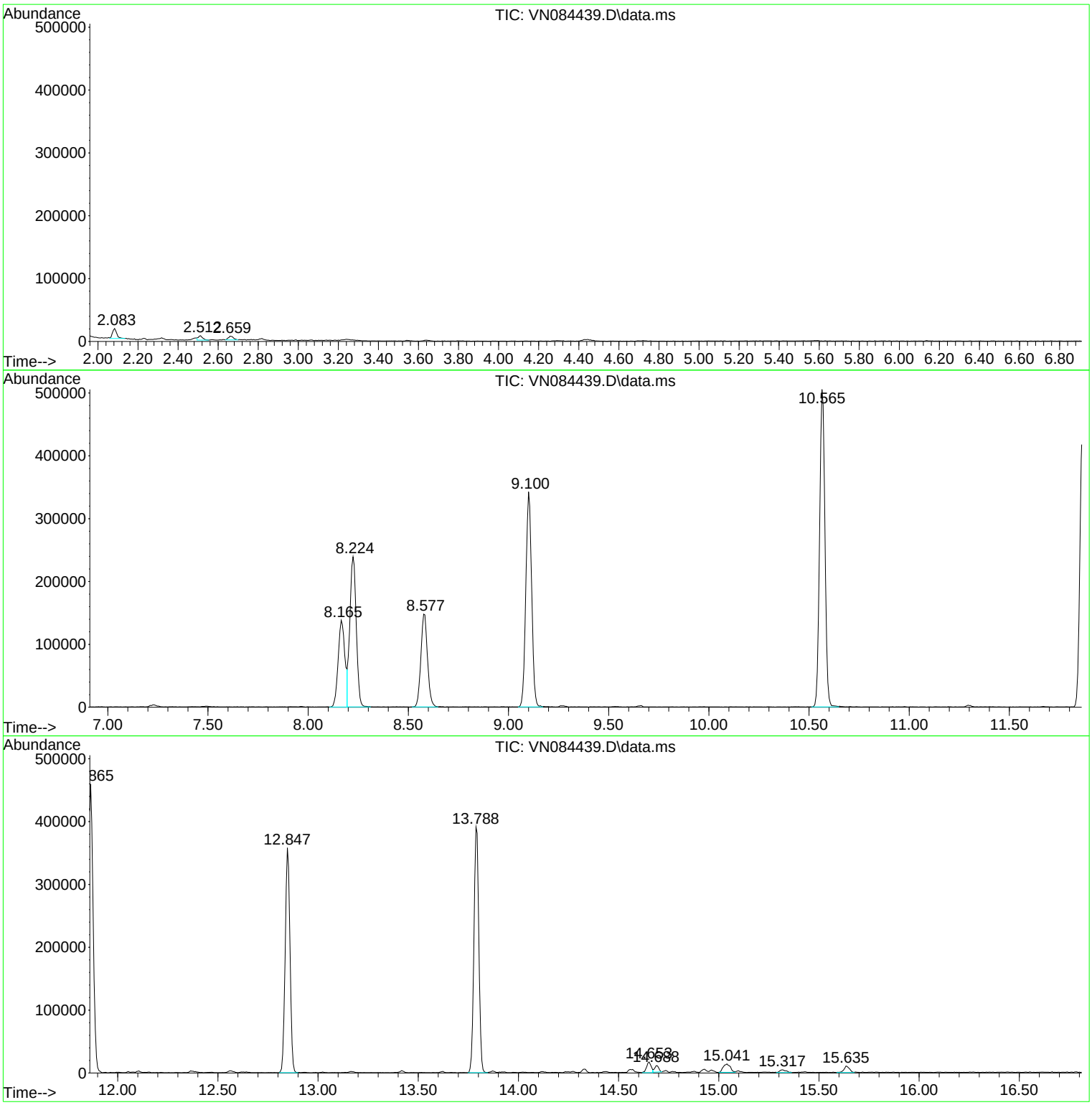
Sample Results: **VN084439.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084439.D
Acq On : 21 Oct 2024 16:29
Operator : JC\MD
Sample : P4438-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

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\VN102124\
Data File : VN084439.D
Acq On : 21 Oct 2024 16:29
Operator : JC\MD
Sample : P4438-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

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\VN102124\
Data File : VN084439.D
Acq On : 21 Oct 2024 16:29
Operator : JC\MD
Sample : P4438-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-58-60

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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-98-100	SDG No.:	P4438
Lab Sample ID:	P4438-05	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
VN084440.D	1		10/21/24 16:53	VN102124

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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-98-100	SDG No.:	P4438
Lab Sample ID:	P4438-05	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
VN084440.D	1		10/21/24 16:53	VN102124

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	48.5		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	8.224				
540-36-3	1,4-Difluorobenzene	296000	9.1				
3114-55-4	Chlorobenzene-d5	257000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	102000	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:	10/16/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-98-100	SDG No.:	P4438
Lab Sample ID:	P4438-05	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
VN084440.D	1		10/21/24 16:53	VN102124

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\VN102124\
Data File : VN084440.D
Acq On : 21 Oct 2024 16:53
Operator : JC\MD
Sample : P4438-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

Quant Time: Oct 22 01:37:41 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

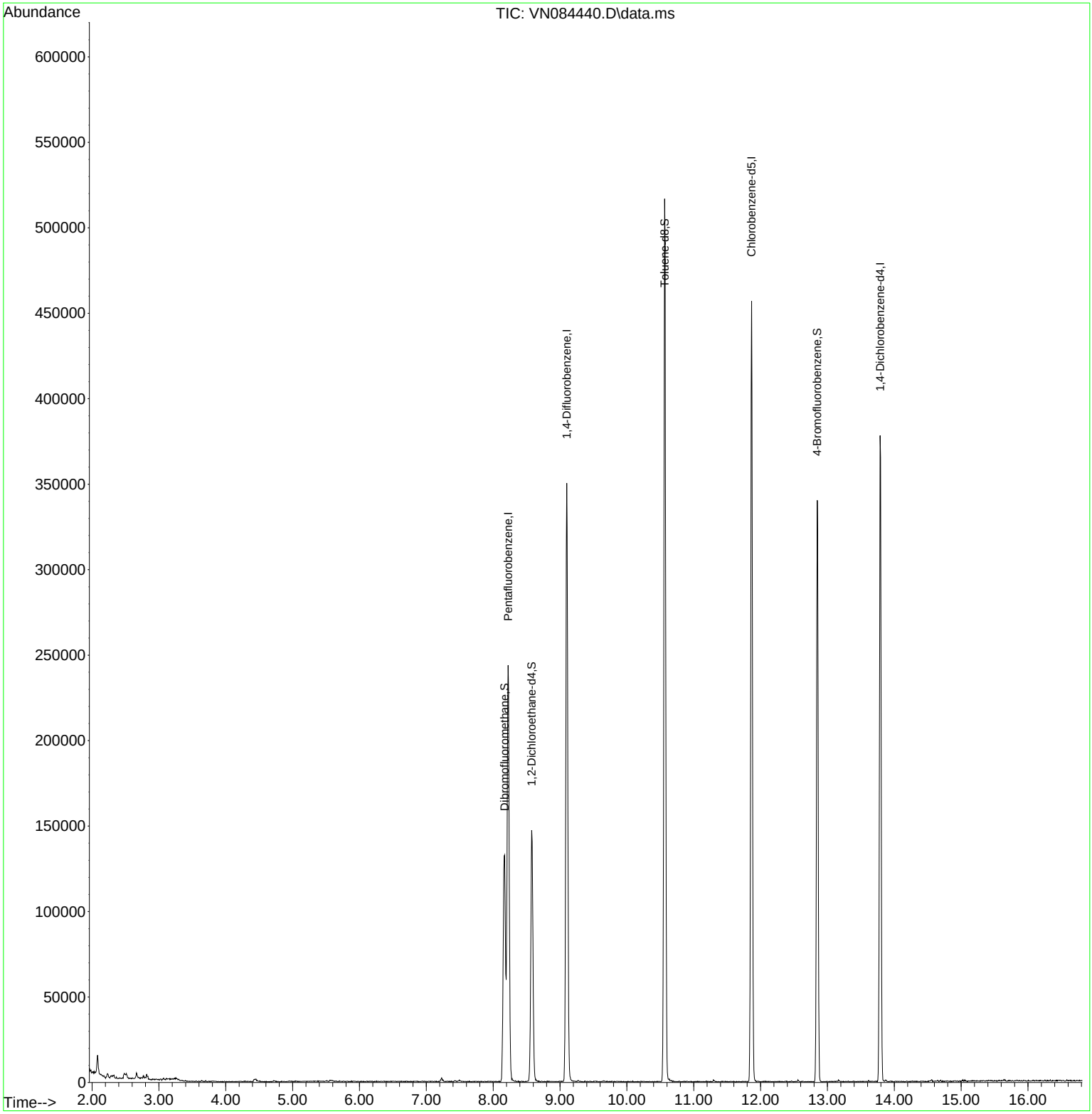
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122760	48.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.080%			
35) Dibromofluoromethane	8.171	113	98709	50.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.320%			
50) Toluene-d8	10.565	98	360459	50.283	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.560%			
62) 4-Bromofluorobenzene	12.847	95	121102	46.371	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.740%			
Target Compounds						Qvalue

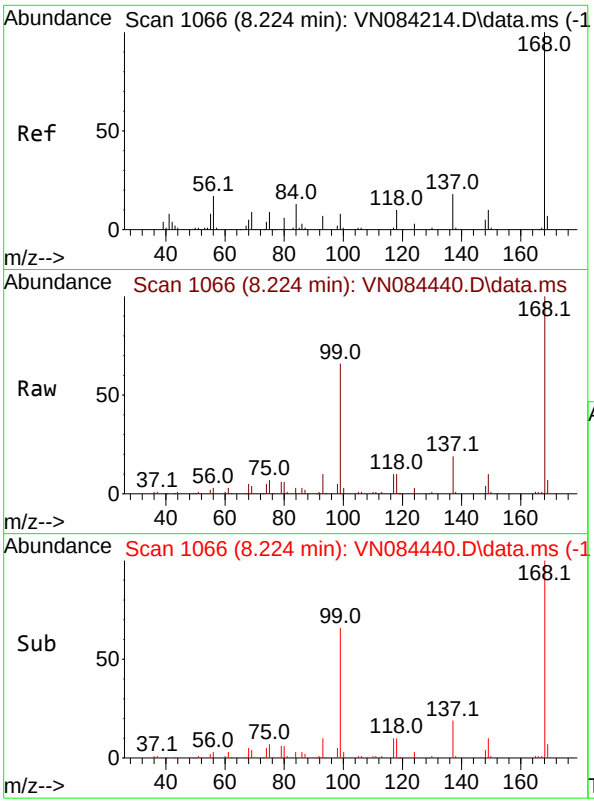
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084440.D
Acq On : 21 Oct 2024 16:53
Operator : JC\MD
Sample : P4438-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

Quant Time: Oct 22 01:37:41 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



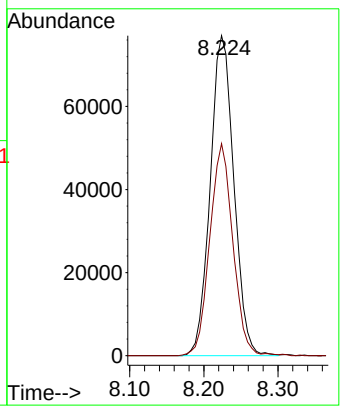


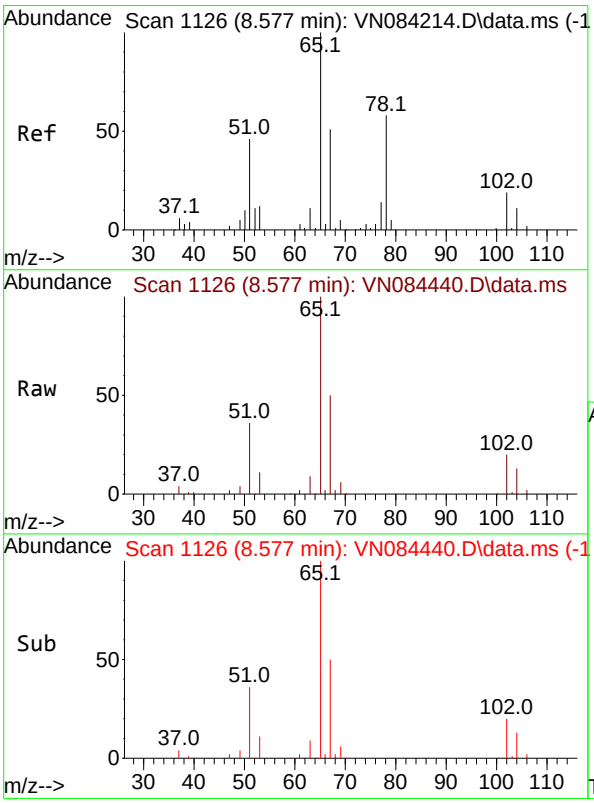
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

Tgt Ion:168 Resp: 170565

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2

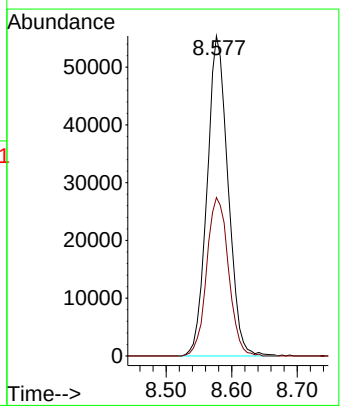


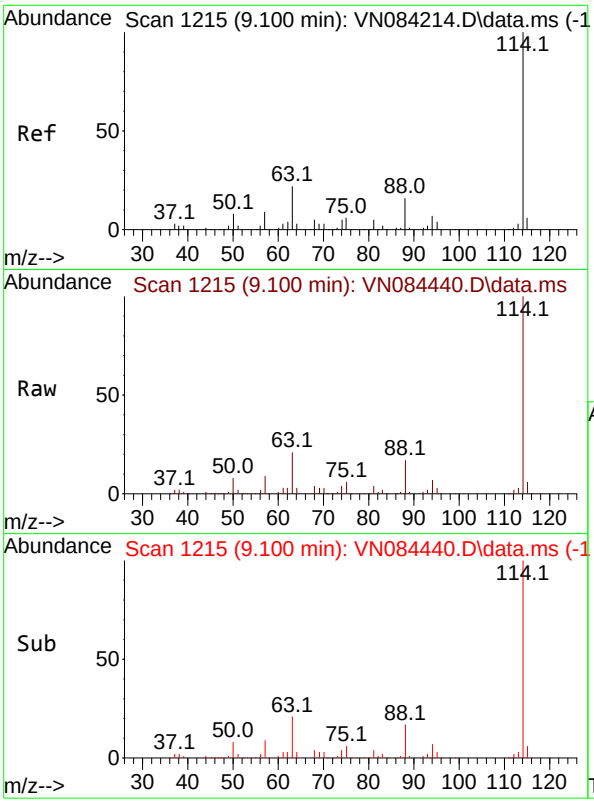


#33
1,2-Dichloroethane-d4
Concen: 48.542 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Tgt Ion: 65 Resp: 122760

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



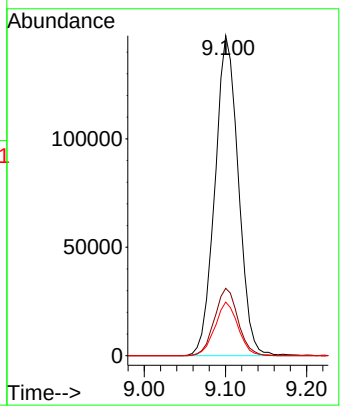


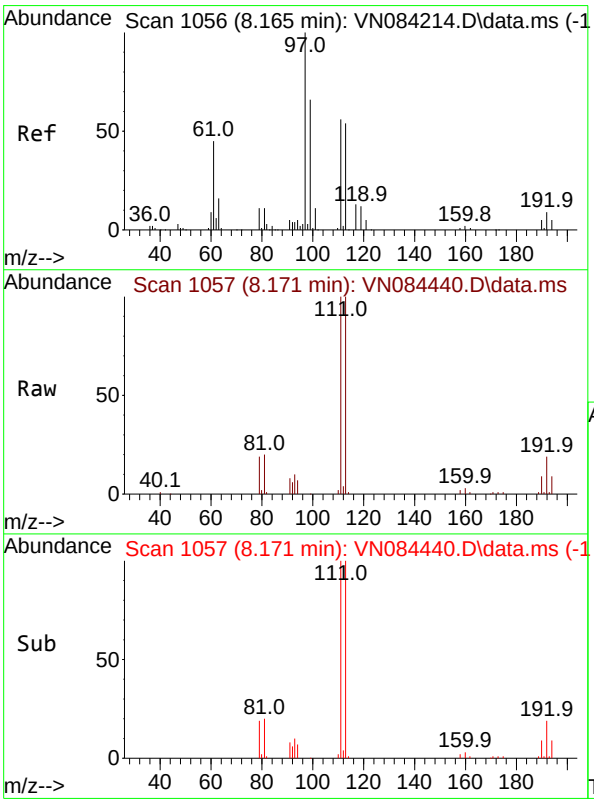
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

Tgt Ion:114 Resp: 295549

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

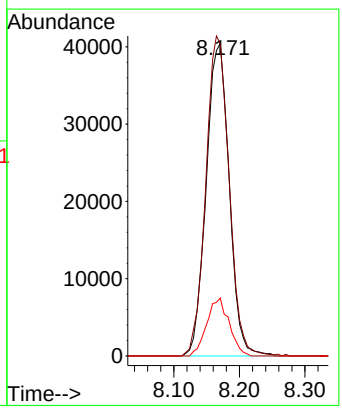


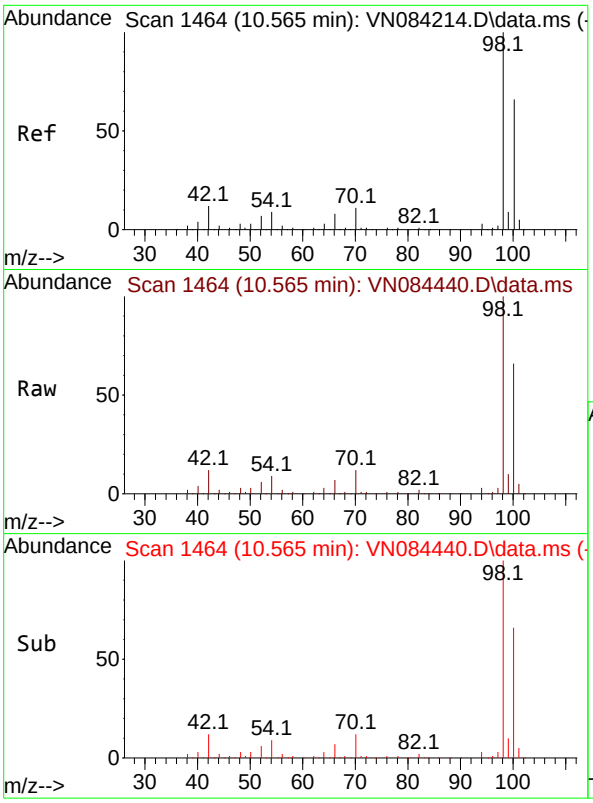


#35
Dibromofluoromethane
Concen: 50.660 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Tgt Ion:113 Resp: 98709

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	18.0	13.5	20.3



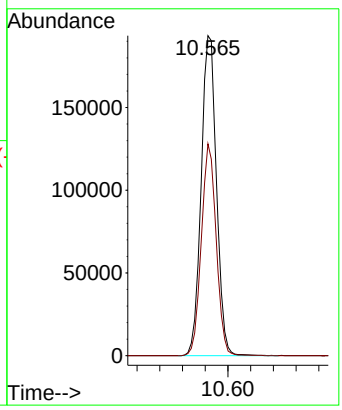


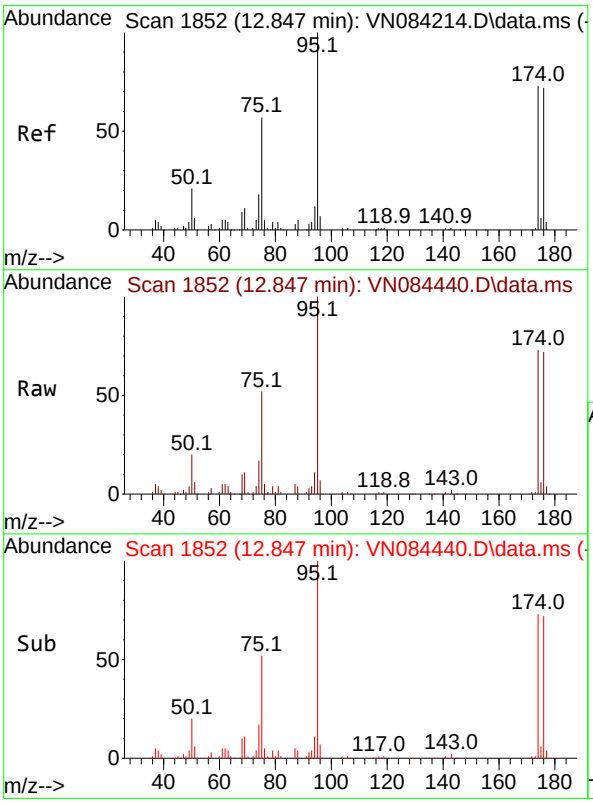
#50
Toluene-d8
Concen: 50.283 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

Tgt Ion: 98 Resp: 360459

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

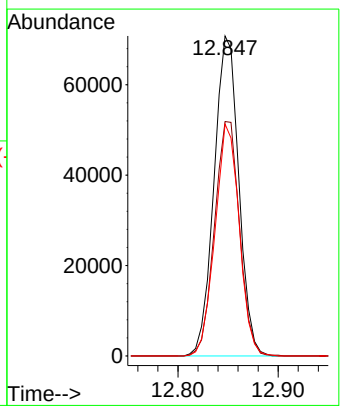


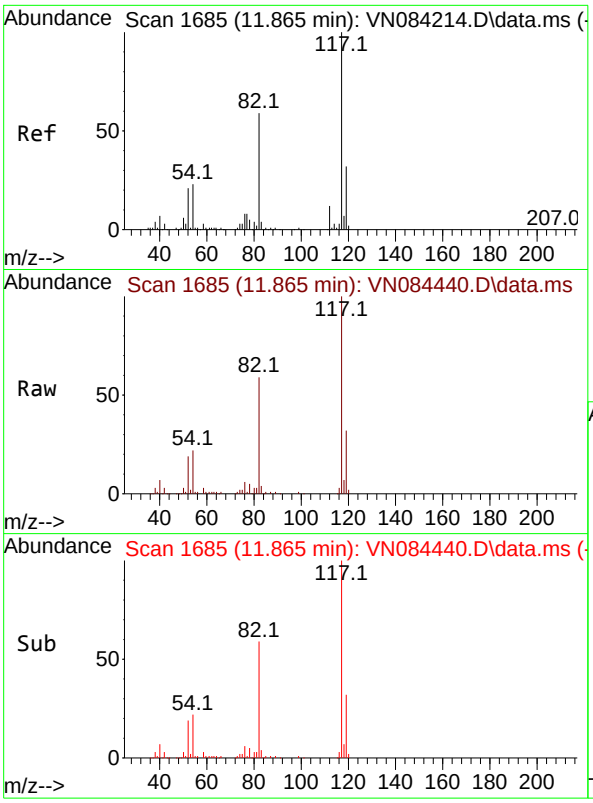


#62
4-Bromofluorobenzene
Concen: 46.371 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Tgt Ion: 95 Resp: 121102

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	145.2
176	71.0	0.0	140.0



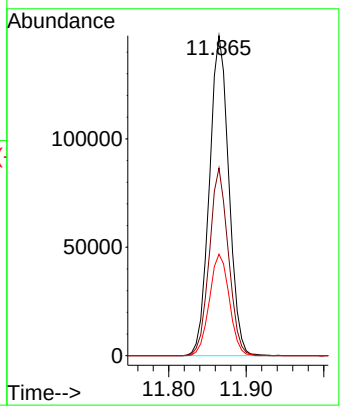


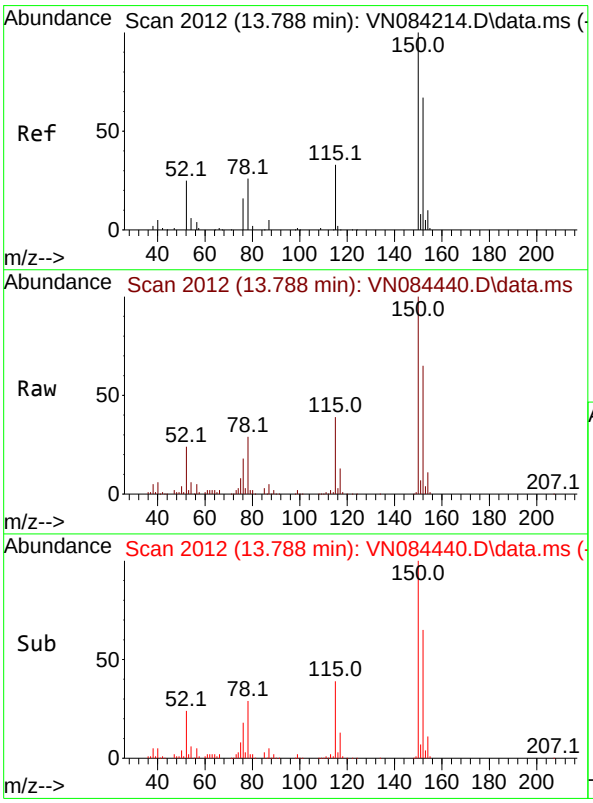
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

Tgt Ion:117 Resp: 256680

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.2	70.8
119	31.7	25.4	38.0

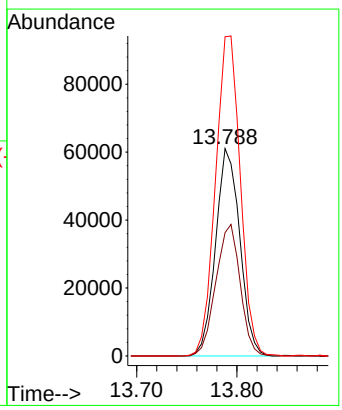




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084440.D
Acq: 21 Oct 2024 16:53

Tgt Ion:152 Resp: 102361

Ion	Ratio	Lower	Upper
152	100		
115	63.7	31.3	93.9
150	158.1	0.0	349.8



Sample Results: **VN084440.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084440.D
Acq On : 21 Oct 2024 16:53
Operator : JC\MD
Sample : P4438-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

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: VN084440.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	rVB2	11453	17061	1.80%	0.350%
2	8.171	1047	1057	1061	rBV	132697	329988	34.77%	6.771%
3	8.224	1061	1066	1075	rVB	242582	526963	55.53%	10.813%
4	8.577	1116	1126	1142	rVB	147040	332618	35.05%	6.825%
5	9.100	1205	1215	1231	rBV	350096	705363	74.33%	14.474%
6	10.565	1455	1464	1475	rBV	516394	948953	100.00%	19.472%
7	11.865	1676	1685	1697	rBV	456886	796410	83.93%	16.342%
8	12.847	1844	1852	1862	rVB	340155	576822	60.79%	11.836%
9	13.788	2005	2012	2020	rBV	378043	639298	67.37%	13.118%

Sum of corrected areas: 4873476

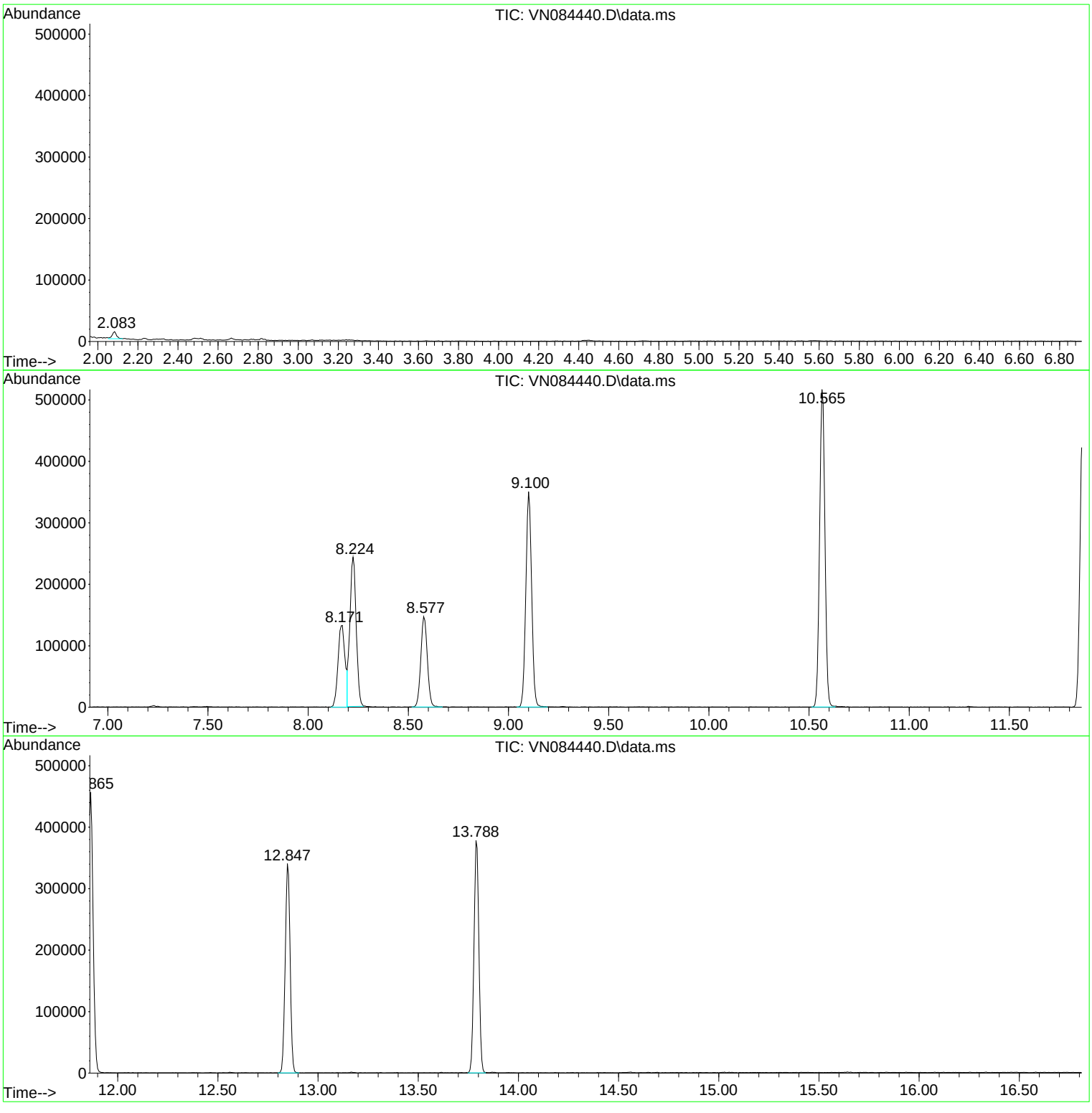
Sample Results: **VN084440.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084440.D
Acq On : 21 Oct 2024 16:53
Operator : JC\MD
Sample : P4438-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

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\VN102124\
Data File : VN084440.D
Acq On : 21 Oct 2024 16:53
Operator : JC\MD
Sample : P4438-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

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\VN102124\
Data File : VN084440.D
Acq On : 21 Oct 2024 16:53
Operator : JC\MD
Sample : P4438-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-98-100

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:	10/17/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-158-160	SDG No.:	P4438
Lab Sample ID:	P4438-06	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
VN084441.D	1		10/21/24 17:17	VN102124

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	2.40	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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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/17/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-158-160	SDG No.:	P4438
Lab Sample ID:	P4438-06	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
VN084441.D	1		10/21/24 17:17	VN102124

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	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	8.224				
540-36-3	1,4-Difluorobenzene	291000	9.1				
3114-55-4	Chlorobenzene-d5	252000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	98300	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:	10/17/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-158-160	SDG No.:	P4438
Lab Sample ID:	P4438-06	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
VN084441.D	1		10/21/24 17:17	VN102124

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\VN102124\
Data File : VN084441.D
Acq On : 21 Oct 2024 17:17
Operator : JC\MD
Sample : P4438-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Quant Time: Oct 22 01:38:13 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

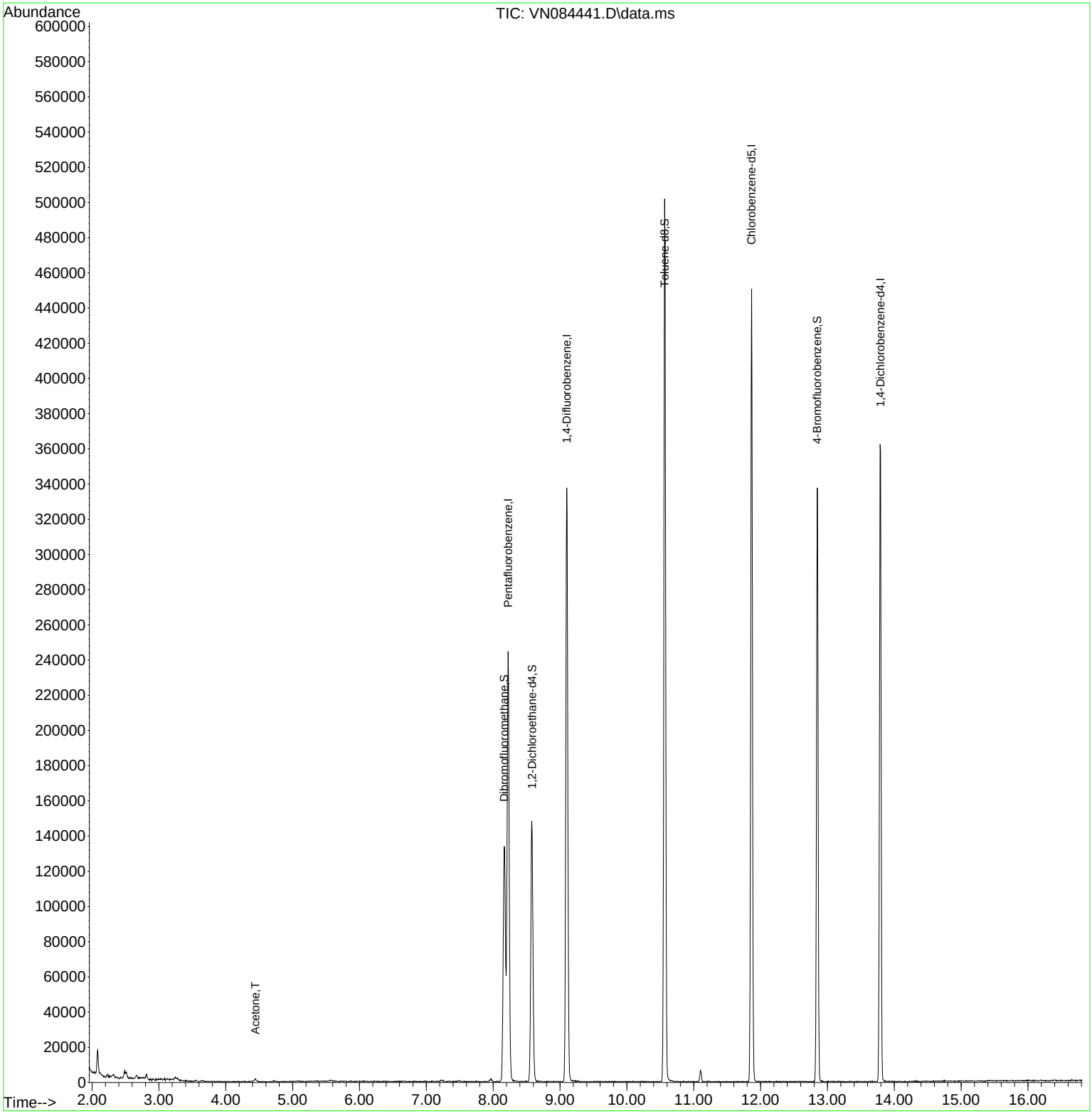
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122689	48.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.780%			
35) Dibromofluoromethane	8.165	113	99468	51.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	10.565	98	348095	49.384	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.847	95	118025	45.961	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.920%			
Target Compounds						Qvalue
16) Acetone	4.442	43	2579	2.392	ug/l #	62

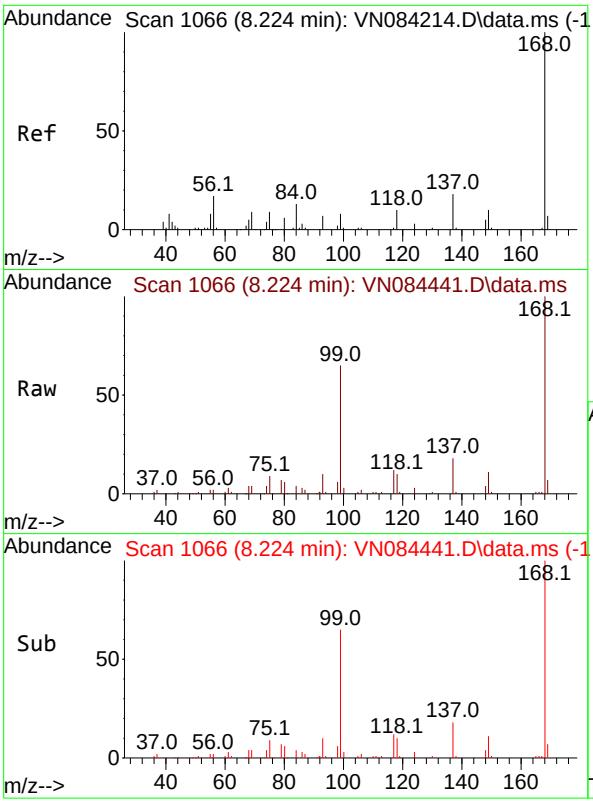
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084441.D
Acq On : 21 Oct 2024 17:17
Operator : JC\MD
Sample : P4438-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Quant Time: Oct 22 01:38:13 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



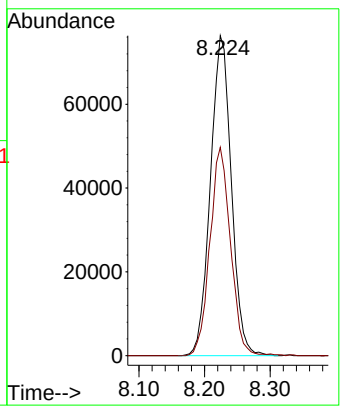


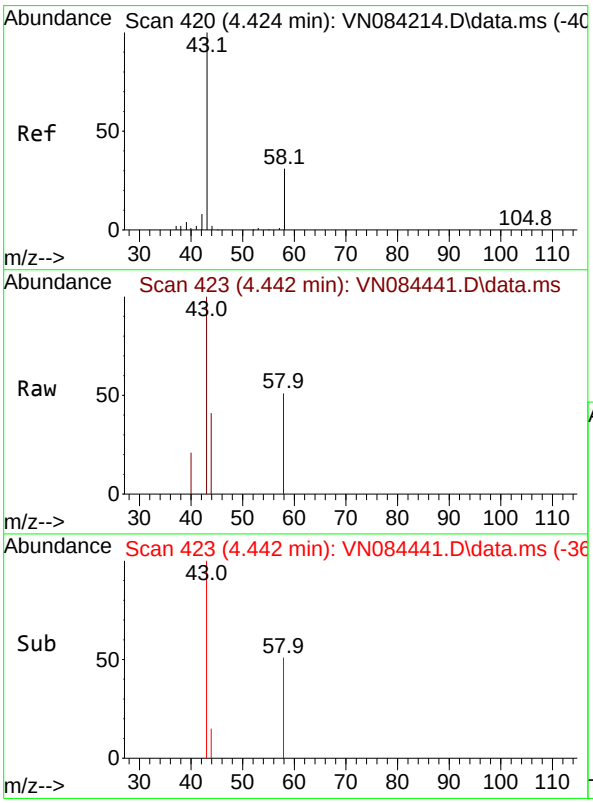
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Tgt Ion:168 Resp: 169269

Ion	Ratio	Lower	Upper
168	100		
99	65.1	54.2	81.2

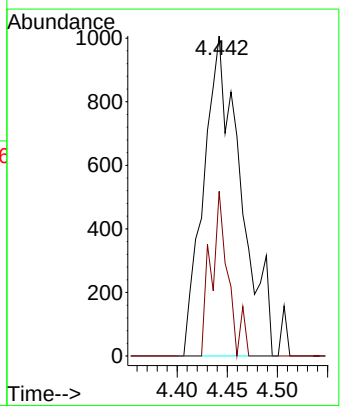


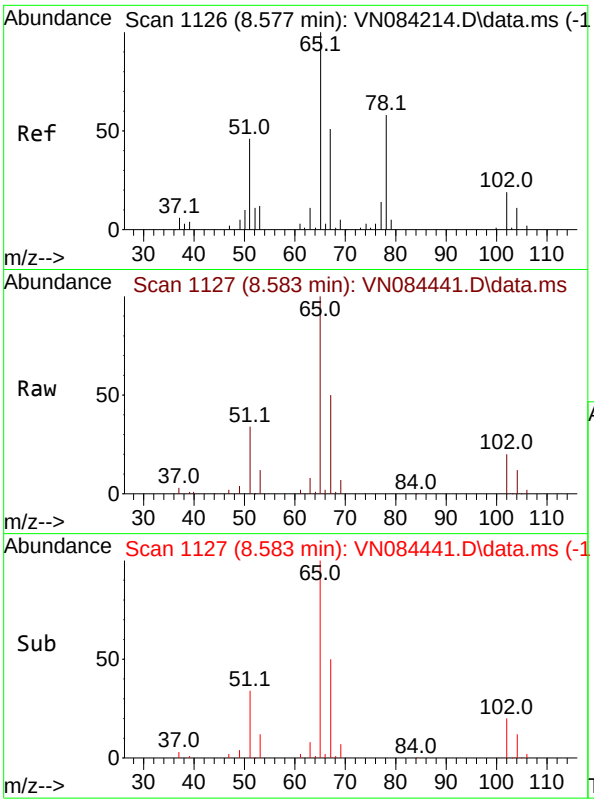


#16
Acetone
Concen: 2.392 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Tgt Ion: 43 Resp: 2579

Ion	Ratio	Lower	Upper
43	100		
58	51.4	24.4	36.6#



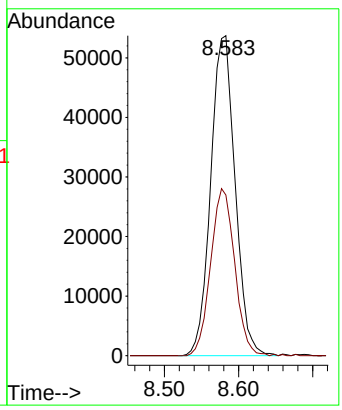


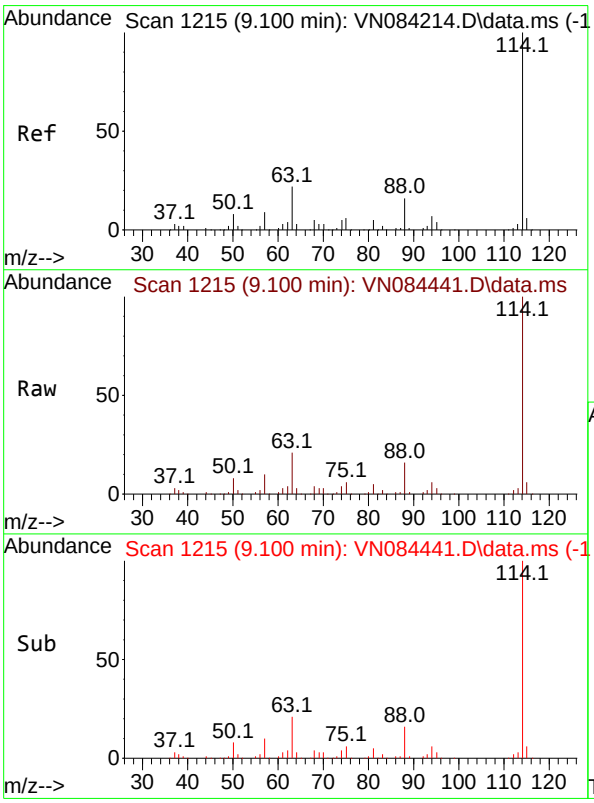
#33
1,2-Dichloroethane-d4
Concen: 48.885 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Tgt Ion: 65 Resp: 122689

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

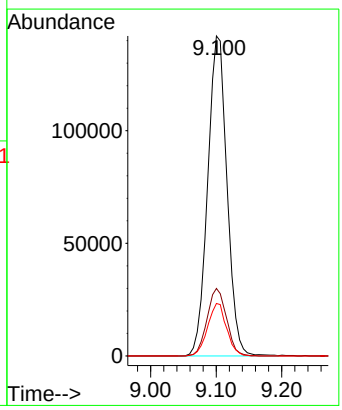


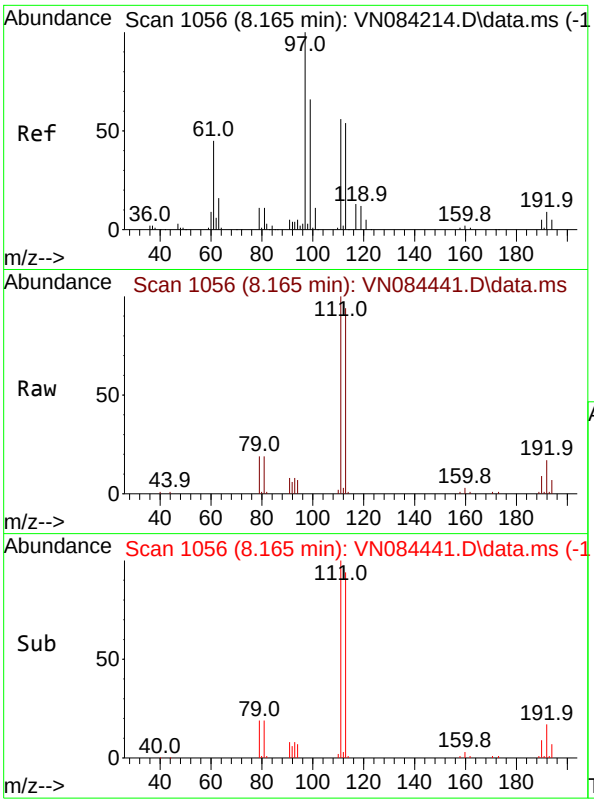


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Tgt Ion:114 Resp: 290609

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	16.4	0.0	31.6



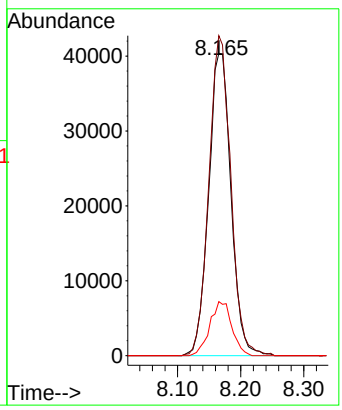


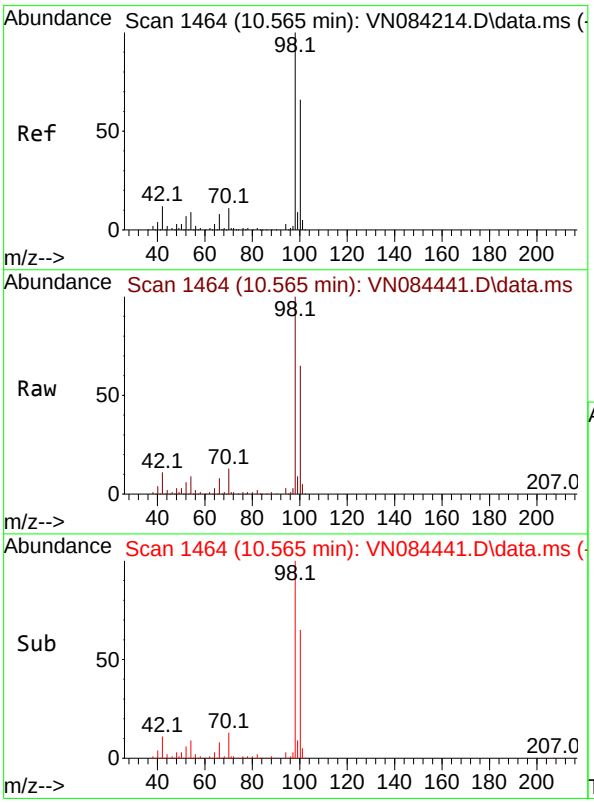
#35
Dibromofluoromethane
Concen: 51.918 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Tgt Ion:113 Resp: 99468

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	17.6	13.5	20.3

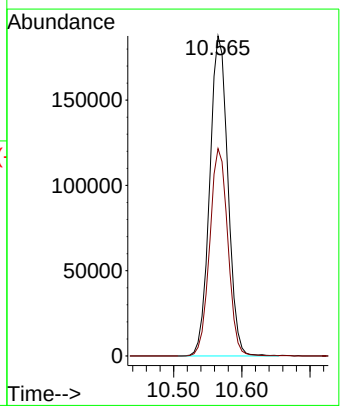


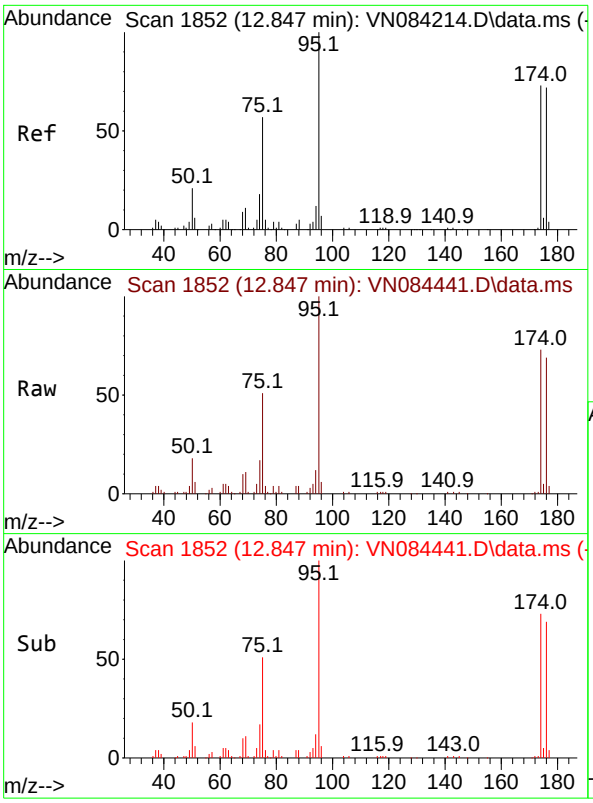


#50
Toluene-d8
Concen: 49.384 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Tgt Ion: 98 Resp: 348095

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1



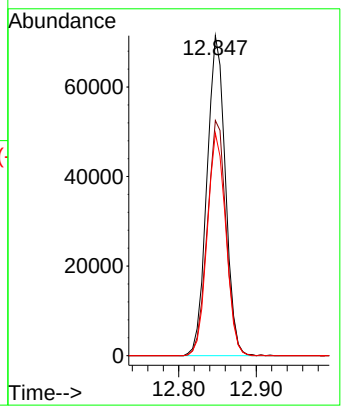


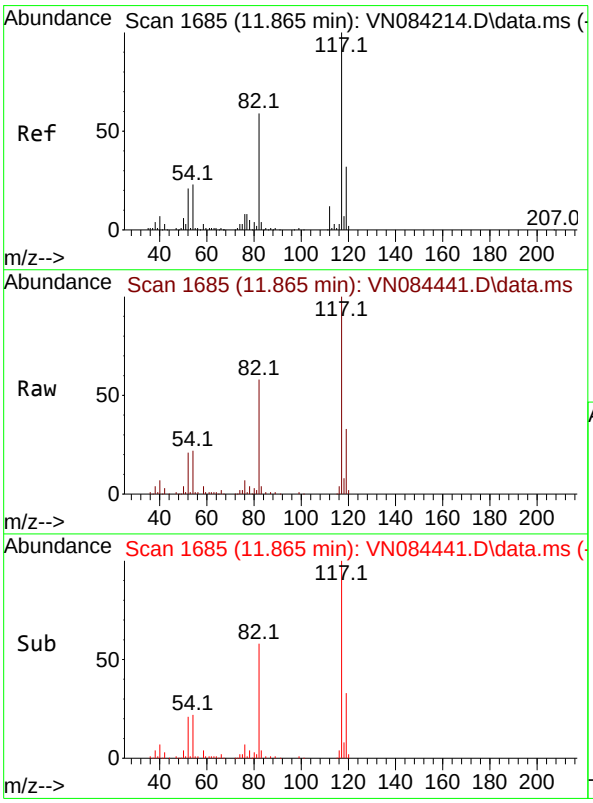
#62
4-Bromofluorobenzene
Concen: 45.961 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Tgt Ion: 95 Resp: 118025

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.2
176	70.1	0.0	140.0

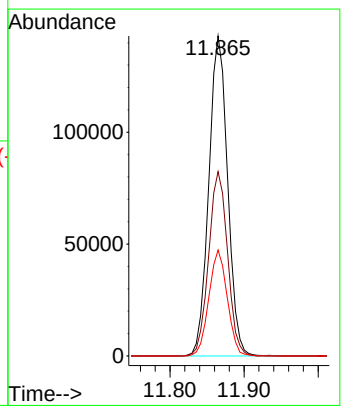


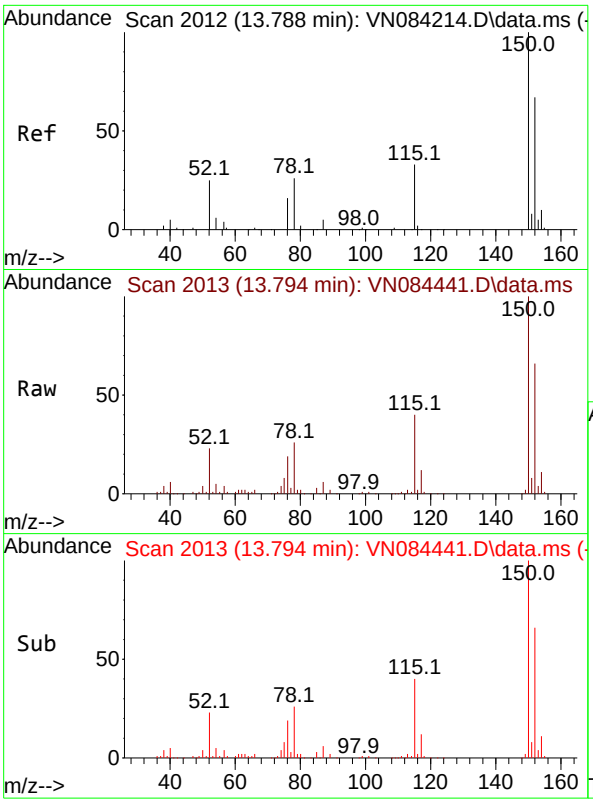


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Tgt Ion:117 Resp: 252156

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.2	70.8
119	33.1	25.4	38.0



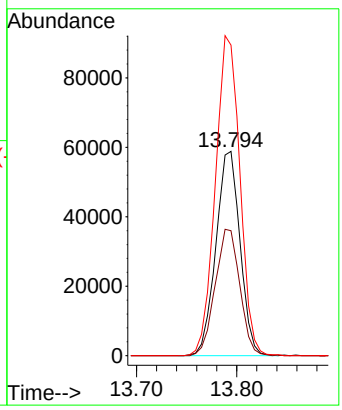


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084441.D
Acq: 21 Oct 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

Tgt Ion:152 Resp: 98336

Ion	Ratio	Lower	Upper
152	100		
115	63.1	31.3	93.9
150	159.2	0.0	349.8



Sample Results: **VN084441.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084441.D
Acq On : 21 Oct 2024 17:17
Operator : JC\MD
Sample : P4438-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

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: VN084441.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	12876	17979	1.94%	0.375%
2	8.165	1046	1056	1061	rBV	133520	329868	35.67%	6.877%
3	8.224	1061	1066	1080	rVB	244211	526423	56.92%	10.974%
4	8.577	1117	1126	1139	rVB	148047	332778	35.98%	6.937%
5	9.100	1206	1215	1227	rBV	337191	688183	74.41%	14.346%
6	10.565	1455	1464	1477	rBV	501503	924870	100.00%	19.281%
7	11.100	1551	1555	1562	rVB4	6660	11654	1.26%	0.243%
8	11.865	1677	1685	1700	rVB	450437	788020	85.20%	16.428%
9	12.847	1845	1852	1861	rBV	337396	563342	60.91%	11.744%
10	13.788	2004	2012	2023	rBV	361962	613797	66.37%	12.796%

Sum of corrected areas: 4796914

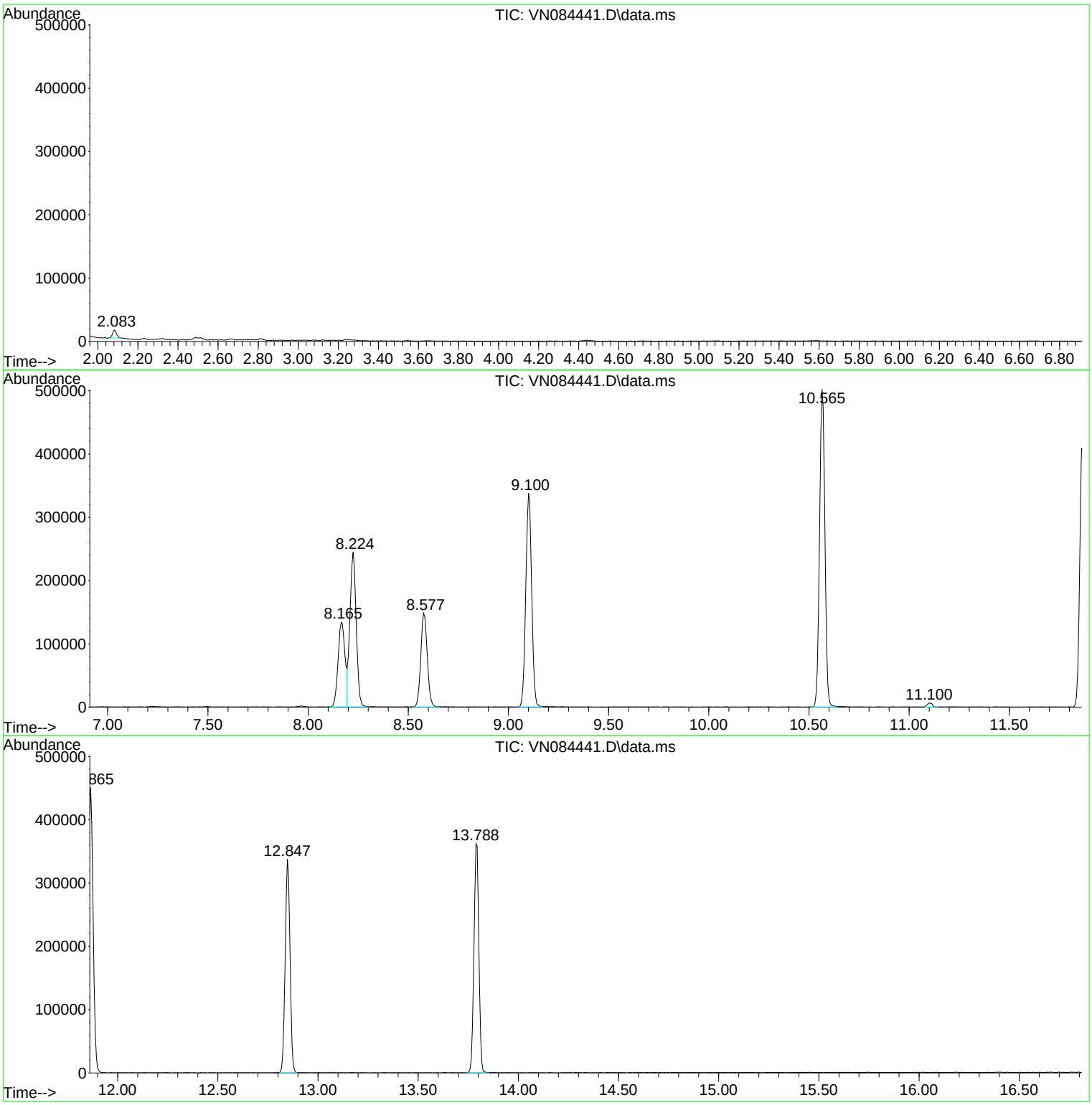
Sample Results: **VN084441.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084441.D
Acq On : 21 Oct 2024 17:17
Operator : JC\MD
Sample : P4438-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

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\VN102124\
Data File : VN084441.D
Acq On : 21 Oct 2024 17:17
Operator : JC\MD
Sample : P4438-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

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\VN102124\
Data File : VN084441.D
Acq On : 21 Oct 2024 17:17
Operator : JC\MD
Sample : P4438-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-158-160

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:	10/17/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-198-200	SDG No.:	P4438
Lab Sample ID:	P4438-07	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
VN084442.D	1		10/21/24 17:40	VN102124

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	2.50	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	0.36	J	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
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/17/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-198-200	SDG No.:	P4438
Lab Sample ID:	P4438-07	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
VN084442.D	1		10/21/24 17:40	VN102124

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	0.51	J	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	47.6		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		85 - 114		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	8.224				
540-36-3	1,4-Difluorobenzene	289000	9.1				
3114-55-4	Chlorobenzene-d5	245000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	95800	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/17/24
Project:	CTO WE13	Date Received:	10/18/24
Client Sample ID:	BP-VPB-190-GW-198-200	SDG No.:	P4438
Lab Sample ID:	P4438-07	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
VN084442.D	1		10/21/24 17:40	VN102124

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\VN102124\
Data File : VN084442.D
Acq On : 21 Oct 2024 17:40
Operator : JC\MD
Sample : P4438-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Quant Time: Oct 22 01:38:44 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

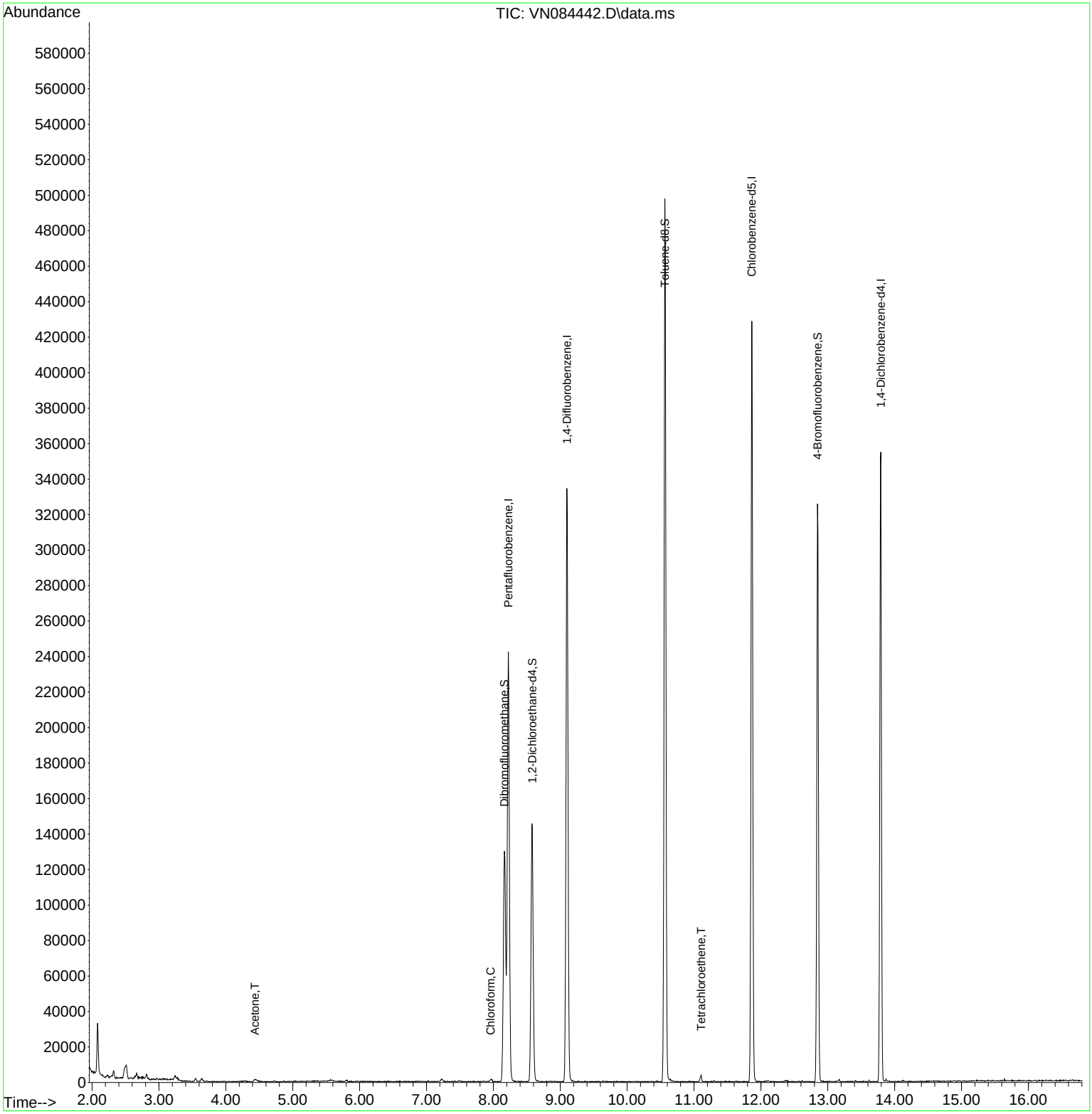
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118526	47.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.200%			
35) Dibromofluoromethane	8.165	113	97274	51.135	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.260%			
50) Toluene-d8	10.565	98	345899	49.423	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.847	95	114060	44.734	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.460%			
Target Compounds						Qvalue
16) Acetone	4.436	43	2703	2.527	ug/l	100
30) Chloroform	7.959	83	1413	0.358	ug/l #	73
64) Tetrachloroethene	11.106	164	872	0.512	ug/l #	73

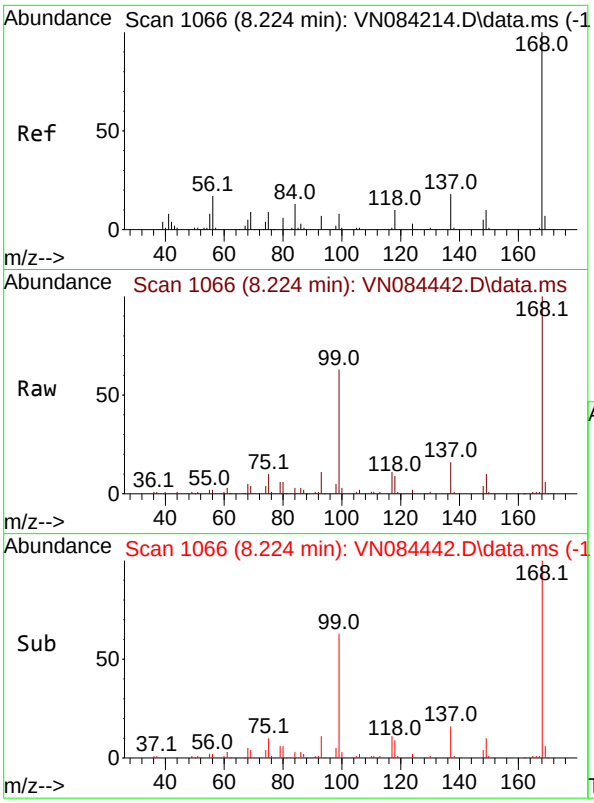
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084442.D
Acq On : 21 Oct 2024 17:40
Operator : JC\MD
Sample : P4438-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Quant Time: Oct 22 01:38:44 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



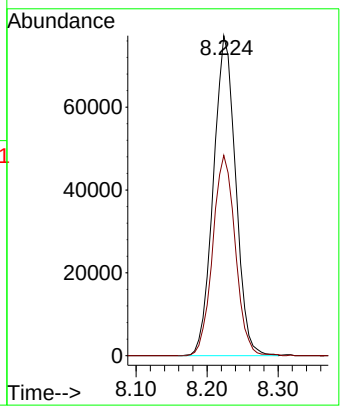


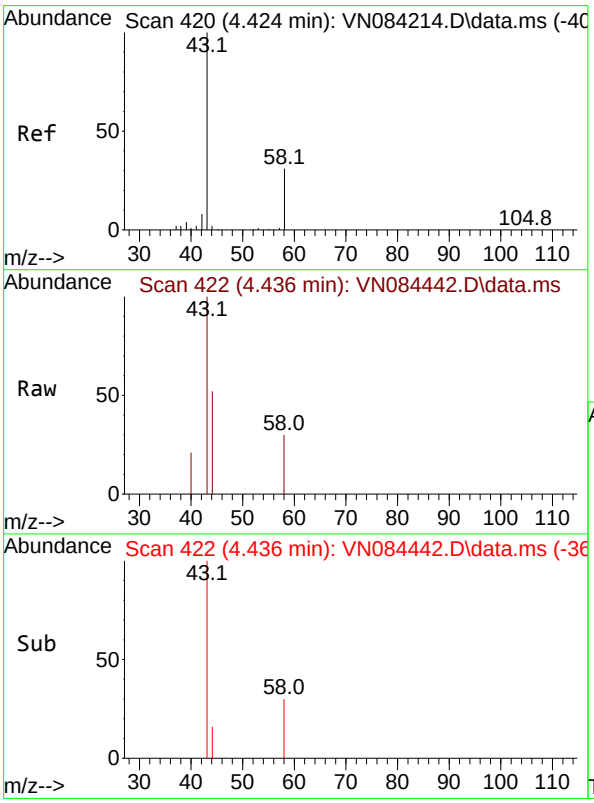
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Tgt Ion:168 Resp: 167949

Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2

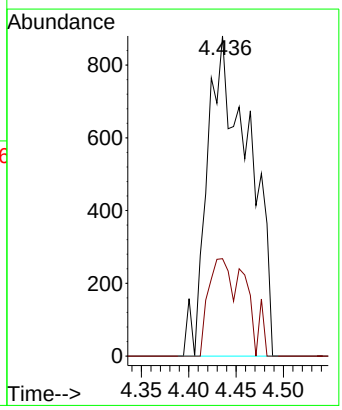


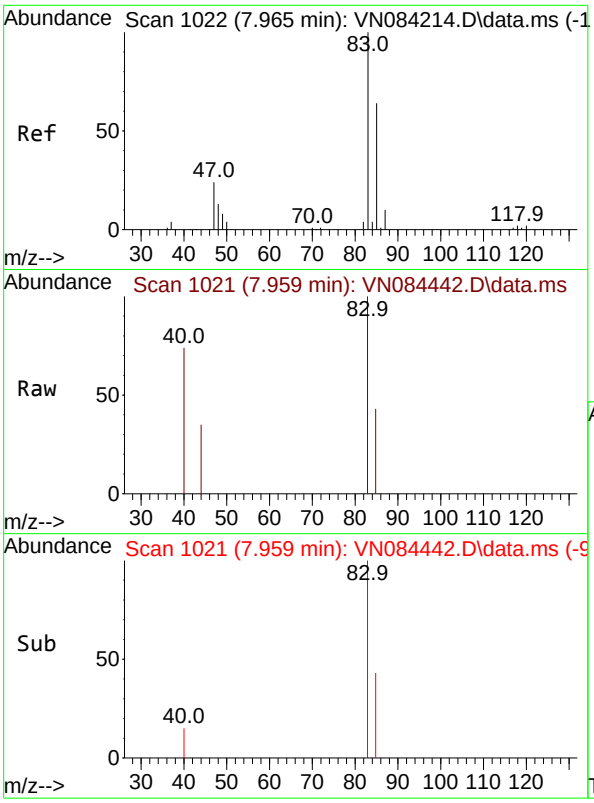


#16
Acetone
Concen: 2.527 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Tgt Ion: 43 Resp: 2703

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6



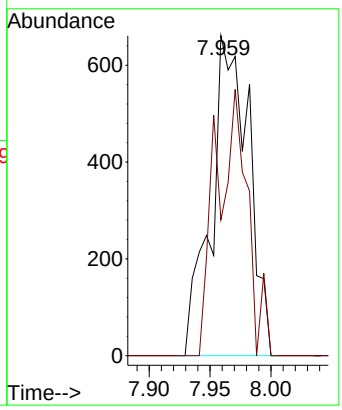


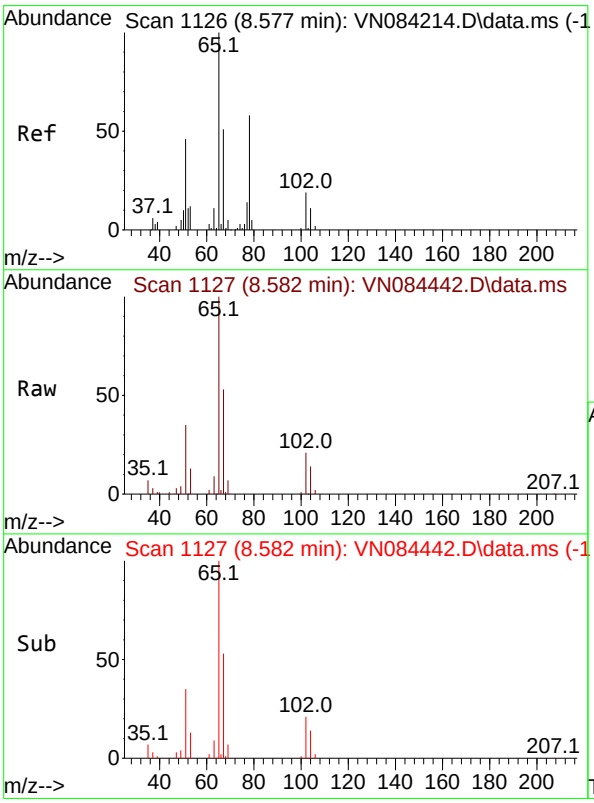
#30
Chloroform
Concen: 0.358 ug/l
RT: 7.959 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Tgt Ion: 83 Resp: 1413

Ion	Ratio	Lower	Upper
83	100		
85	42.5	51.0	76.4#

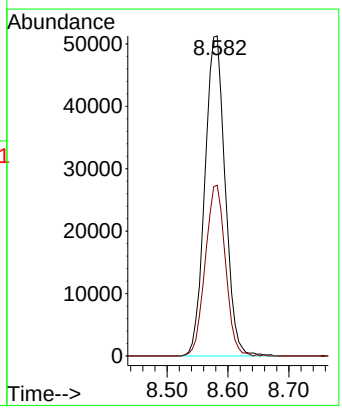


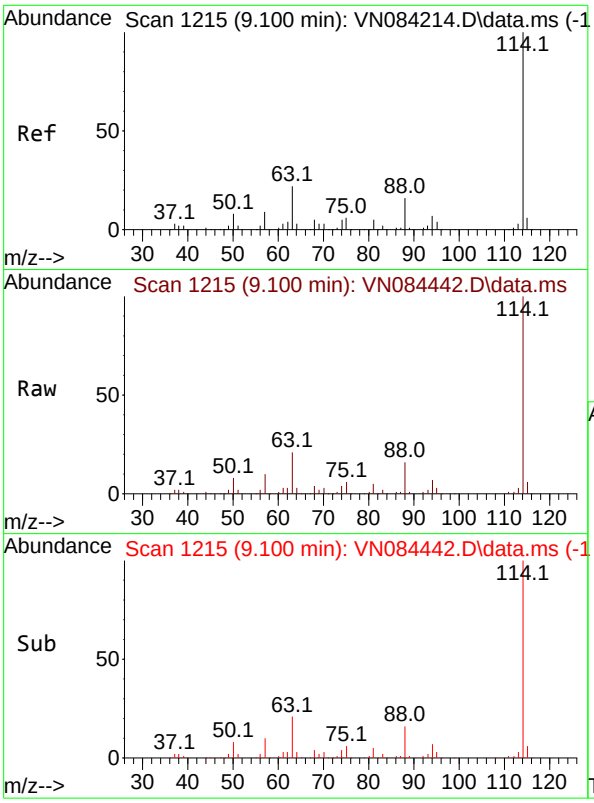


#33
1,2-Dichloroethane-d4
Concen: 47.598 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Tgt Ion: 65 Resp: 118526

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.0



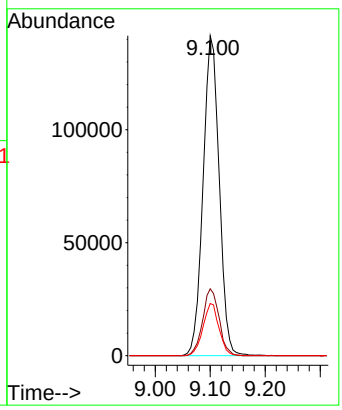


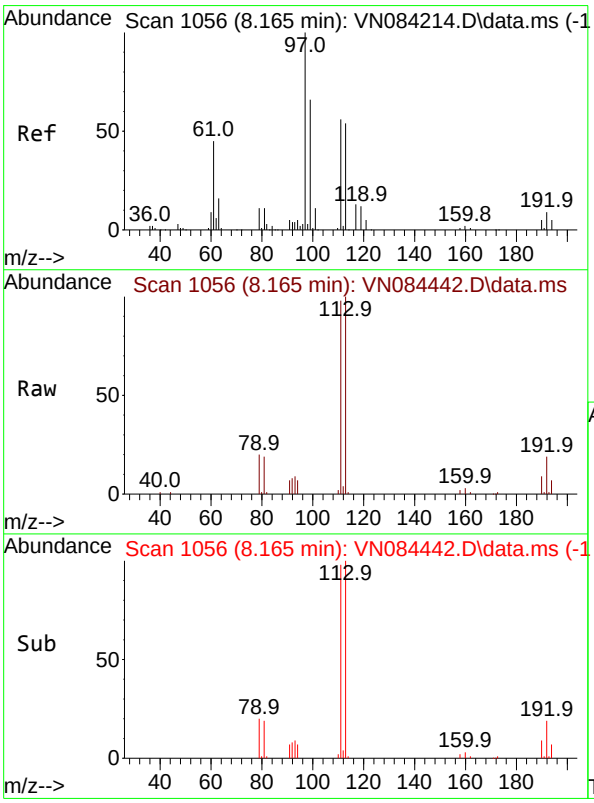
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Tgt Ion:114 Resp: 288550

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	16.3	0.0	31.6

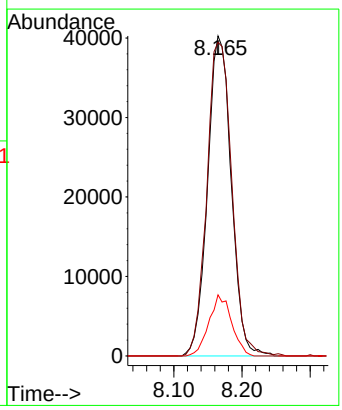


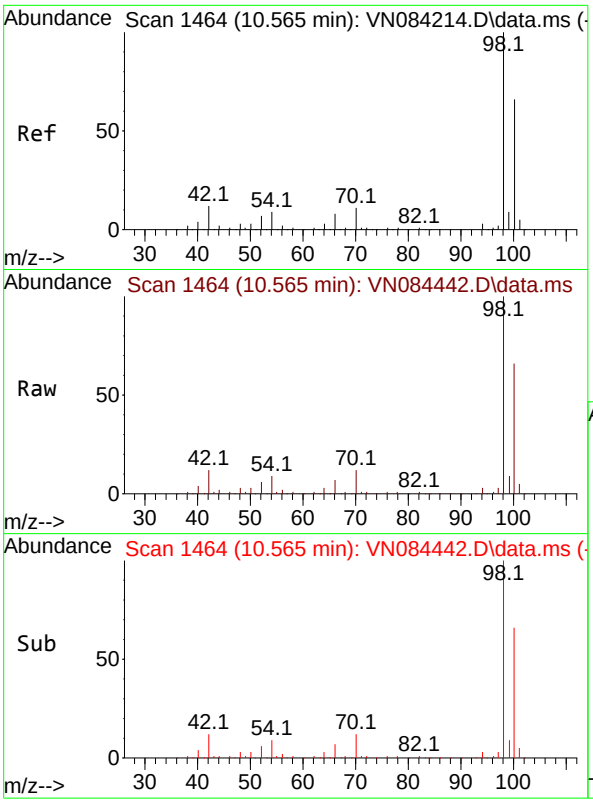


#35
Dibromofluoromethane
Concen: 51.135 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Tgt Ion:113 Resp: 97274

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	18.3	13.5	20.3



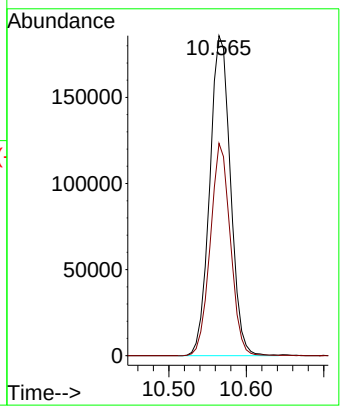


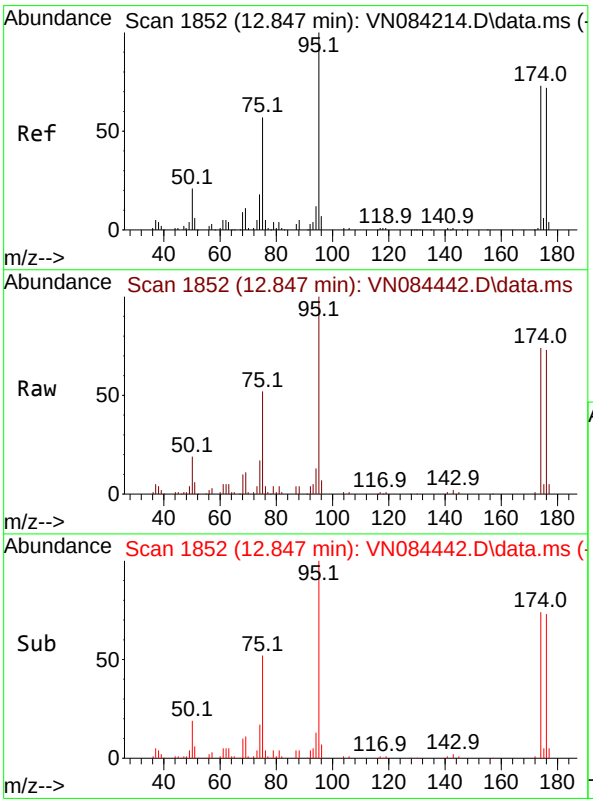
#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Tgt Ion: 98 Resp: 345899

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1

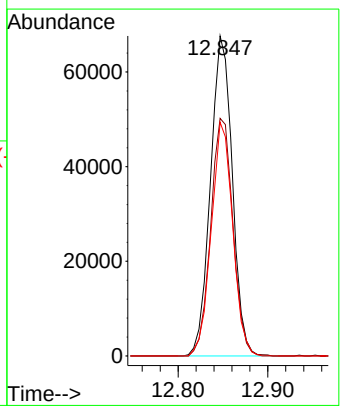


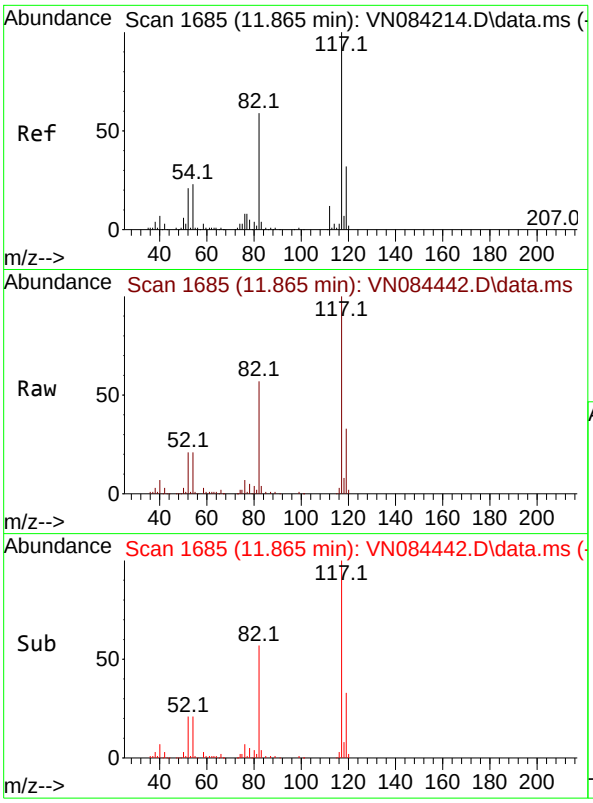


#62
4-Bromofluorobenzene
Concen: 44.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Tgt Ion: 95 Resp: 114060

Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	145.2
176	71.8	0.0	140.0



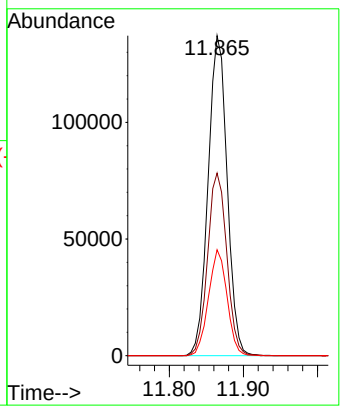


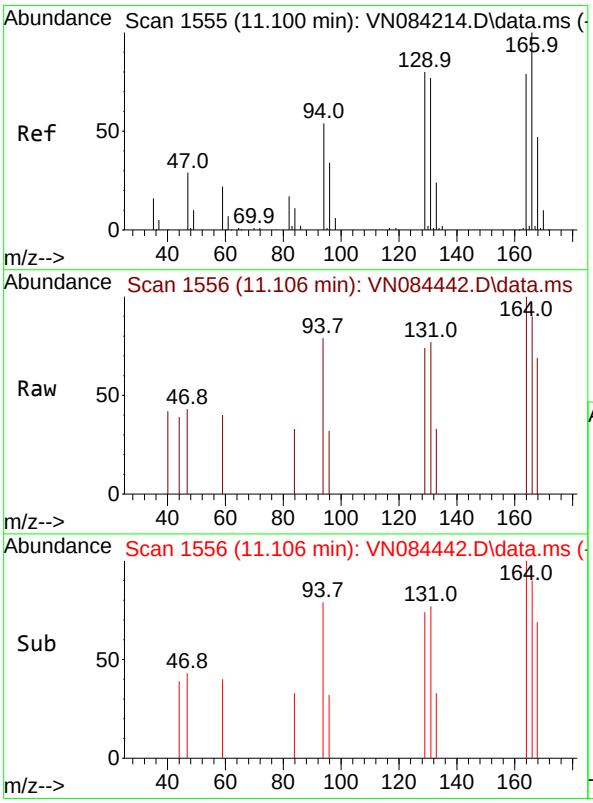
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Tgt Ion:117 Resp: 244682

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.2	70.8
119	33.1	25.4	38.0

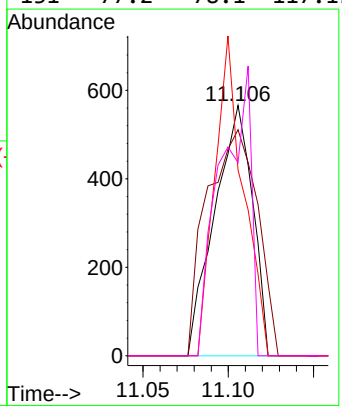


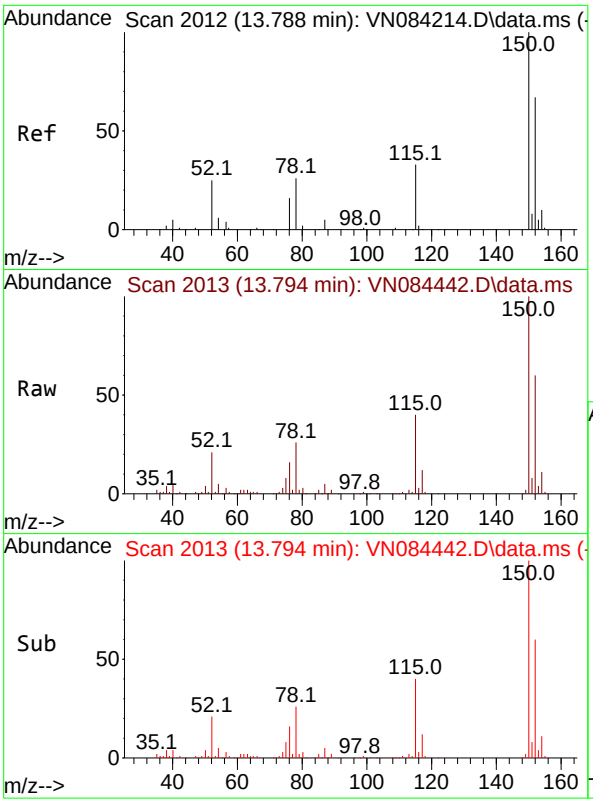


#64
Tetrachloroethene
Concen: 0.512 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Tgt Ion:164 Resp: 872

Ion	Ratio	Lower	Upper
164	100		
166	90.3	101.0	151.4#
129	74.2	80.8	121.2#
131	77.2	78.1	117.1#



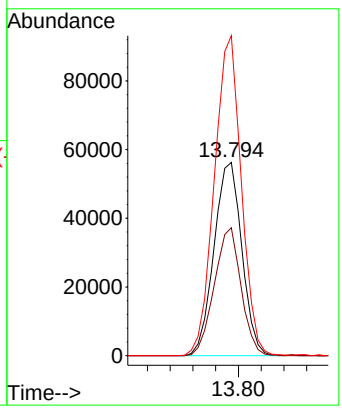


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084442.D
Acq: 21 Oct 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

Tgt Ion:152 Resp: 95771

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	160.4	0.0	349.8



Sample Results: **VN084442.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084442.D
Acq On : 21 Oct 2024 17:40
Operator : JC\MD
Sample : P4438-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

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: VN084442.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	31	rVB2	28846	41322	4.51%	0.869%
2	2.512	86	95	100	rVB4	7743	21918	2.39%	0.461%
3	8.165	1046	1056	1061	rBV	129882	324170	35.40%	6.817%
4	8.224	1061	1066	1081	rVB2	242061	521461	56.95%	10.965%
5	8.576	1116	1126	1139	rBV	145487	329517	35.99%	6.929%
6	9.100	1206	1215	1227	rBV	334442	683909	74.69%	14.382%
7	10.565	1456	1464	1477	rBV	497743	915672	100.00%	19.255%
8	11.865	1677	1685	1696	rBV	428690	765134	83.56%	16.090%
9	12.847	1845	1852	1862	rBV	325499	552495	60.34%	11.618%
10	13.794	2005	2013	2020	rBV	354791	599879	65.51%	12.614%

Sum of corrected areas: 4755477

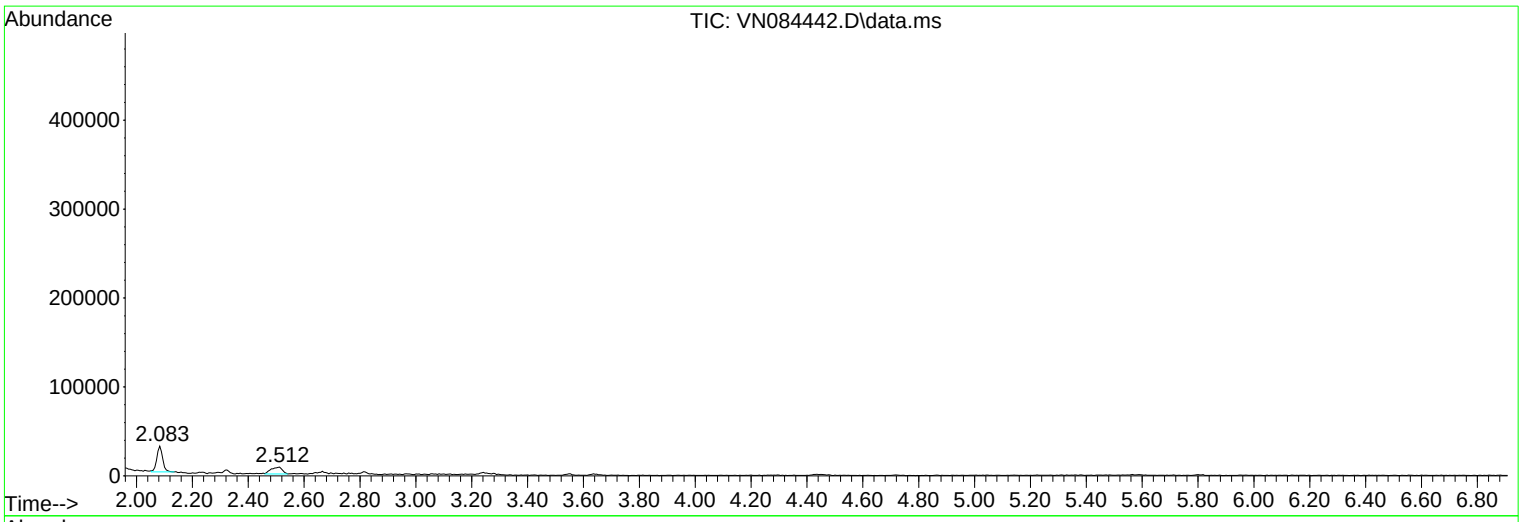
Sample Results: **VN084442.D**

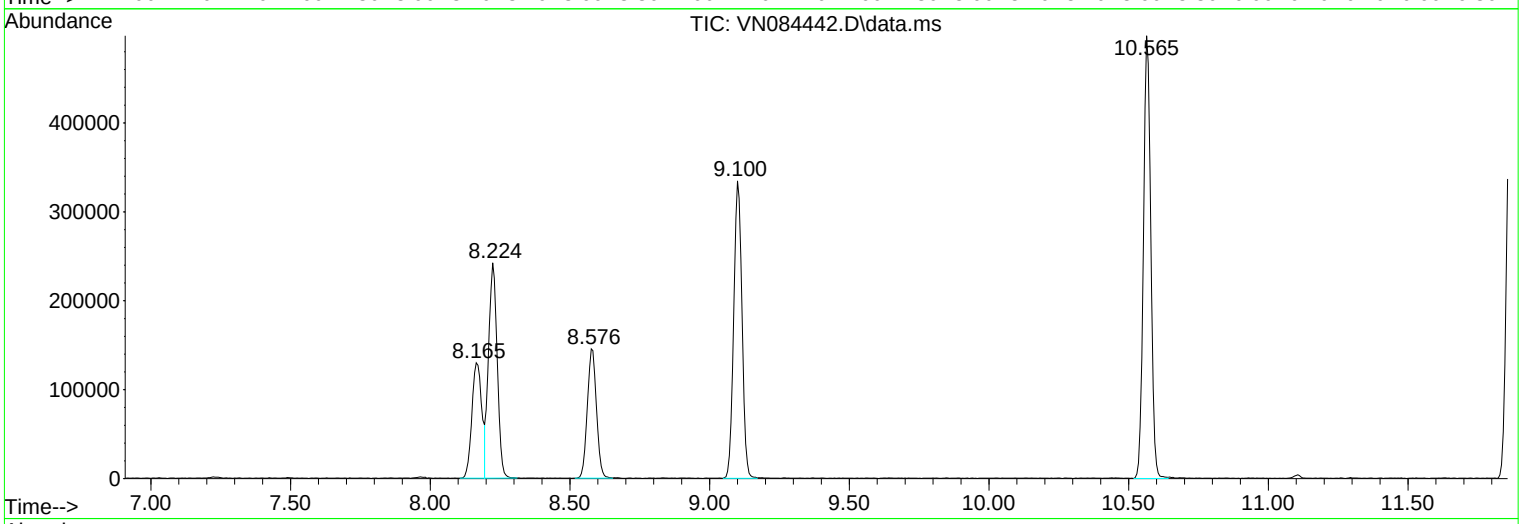
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084442.D
Acq On : 21 Oct 2024 17:40
Operator : JC\MD
Sample : P4438-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

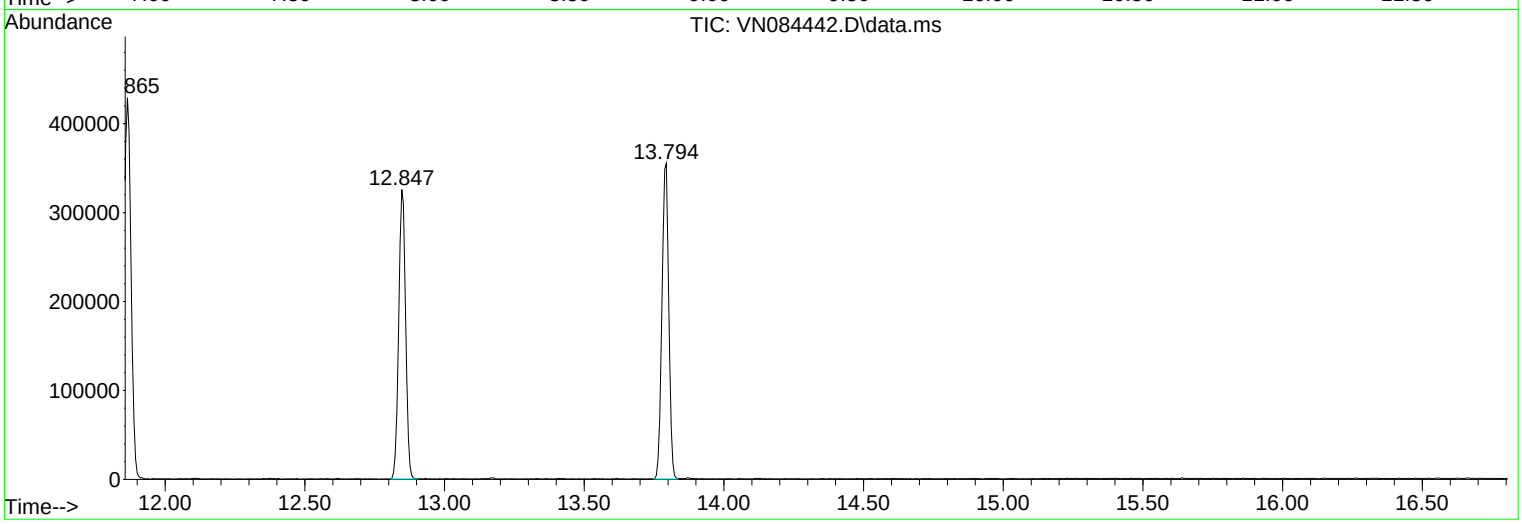
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

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\VN102124\
Data File : VN084442.D
Acq On : 21 Oct 2024 17:40
Operator : JC\MD
Sample : P4438-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

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\VN102124\
Data File : VN084442.D
Acq On : 21 Oct 2024 17:40
Operator : JC\MD
Sample : P4438-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-198-200

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.: P4438 SAS No.: P4438 SDG No.: P4438

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.: P4438 SAS No.: P4438 SDG No.: P4438

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

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

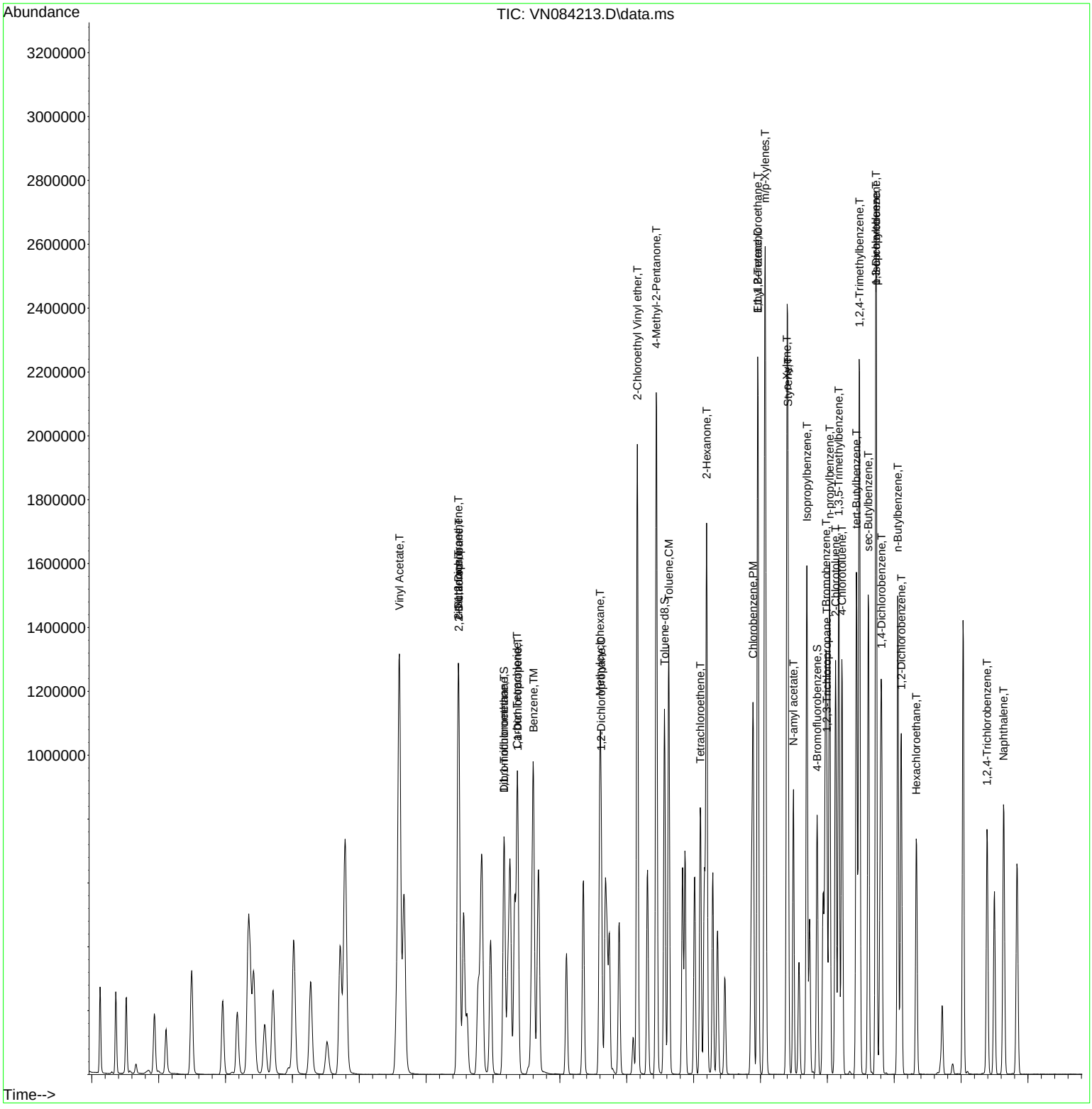
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Data File : VN084213.D
Acq On : 30 Sep 2024 12:25
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

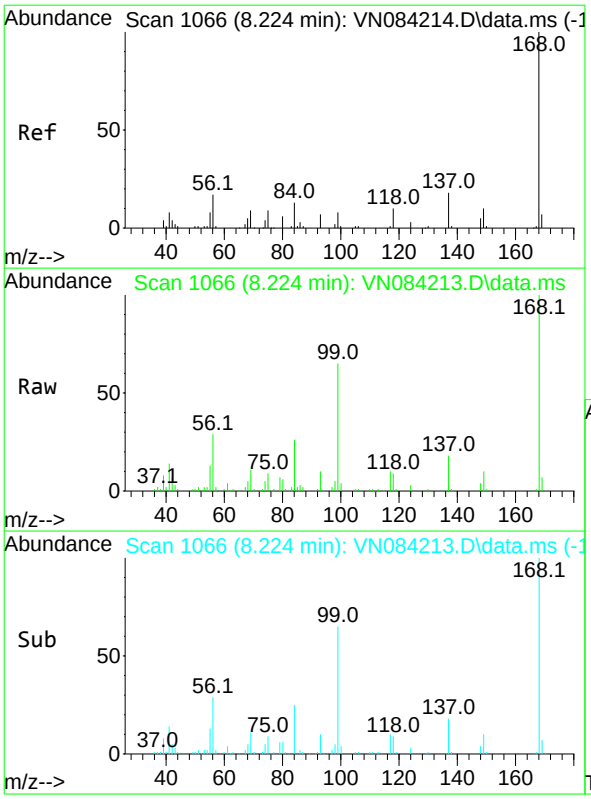
Quant Time: Oct 01 06:48:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

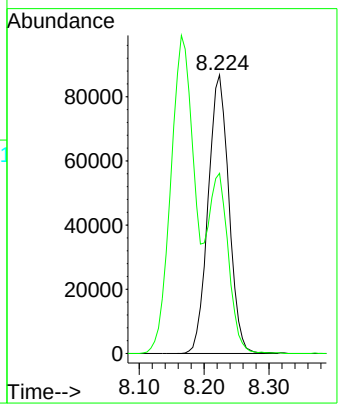




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:168 Resp: 192402

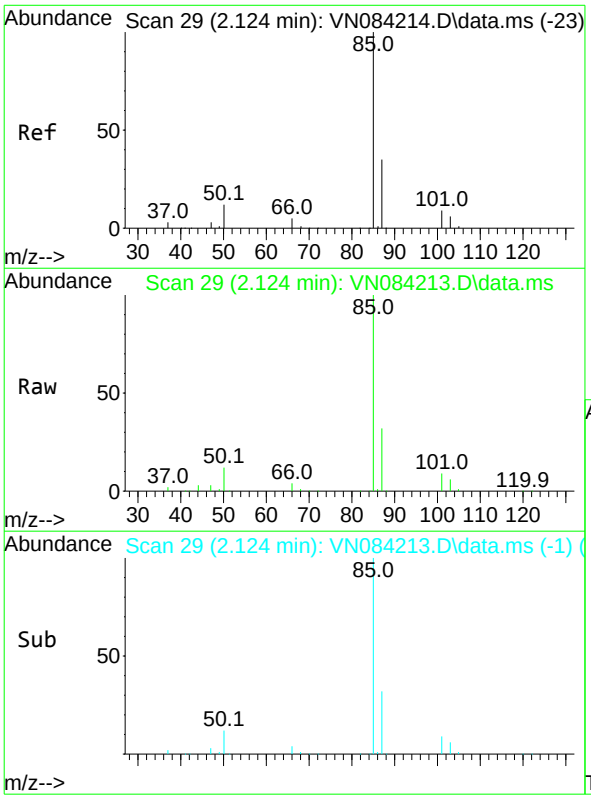
Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

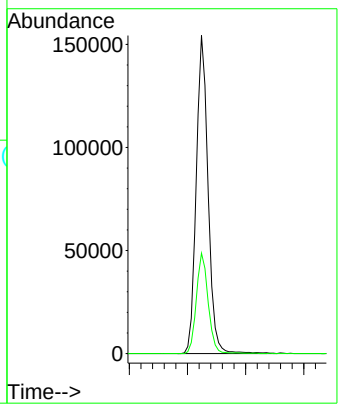
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

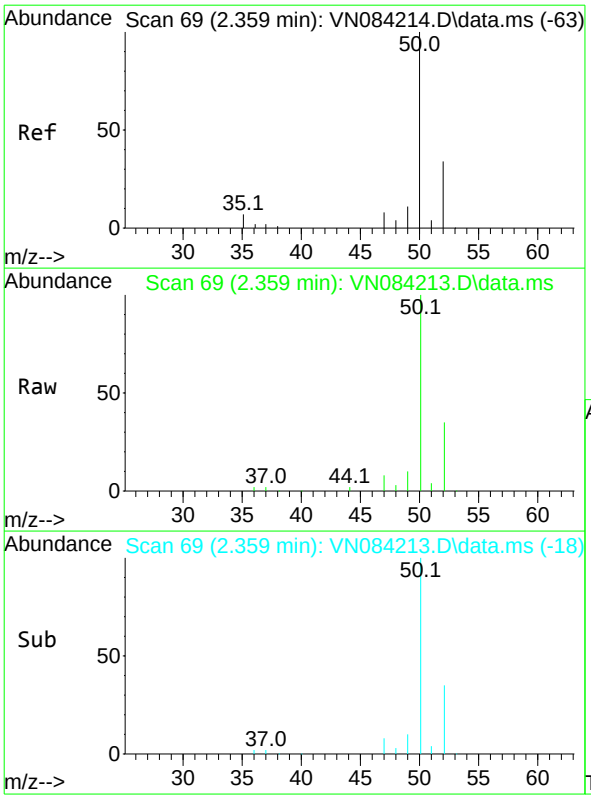


#2
Dichlorodifluoromethane
Concen: 95.796 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 85 Resp: 218015

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9

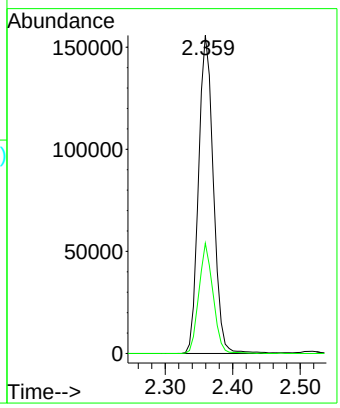




#3
Chloromethane
Concen: 91.628 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 50 Resp: 238104

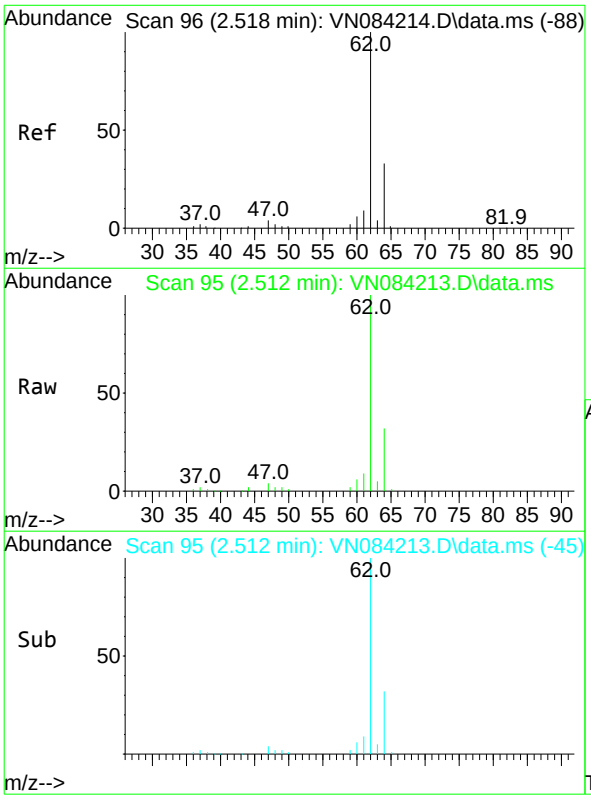
Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

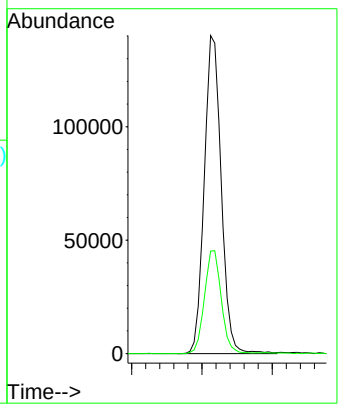
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

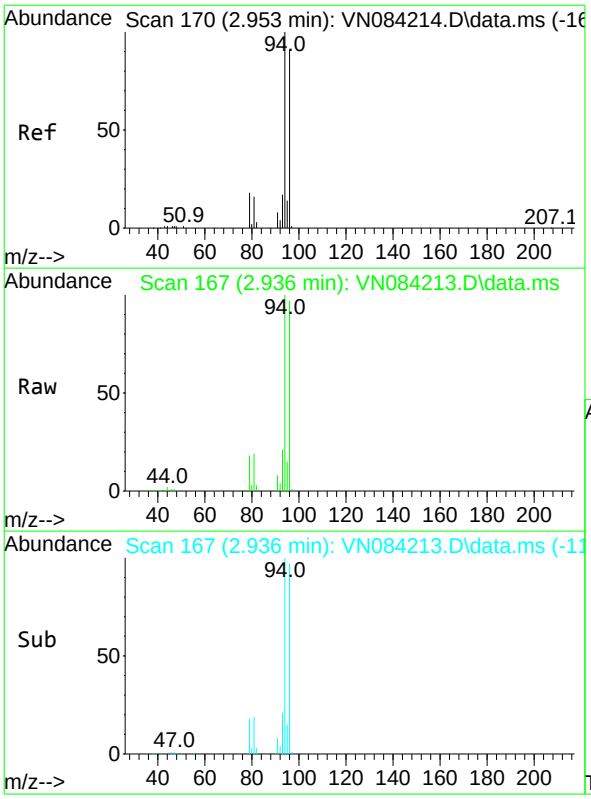


#4
Vinyl Chloride
Concen: 93.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 234942

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4

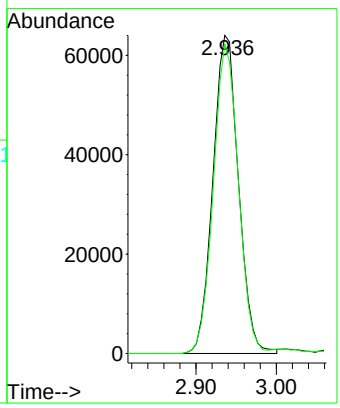




#5
Bromomethane
Concen: 85.288 ug/l
RT: 2.936 min Scan# 16
Delta R.T. -0.018 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 94 Resp: 141604

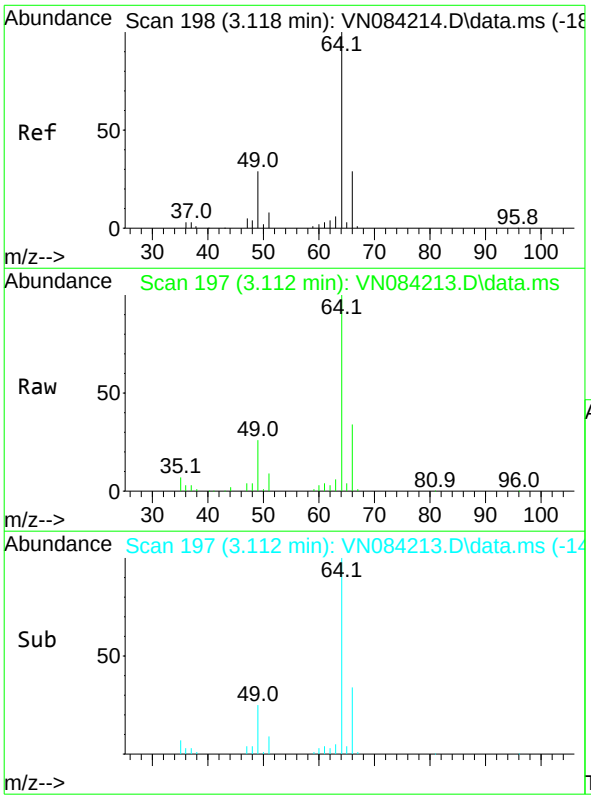
Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

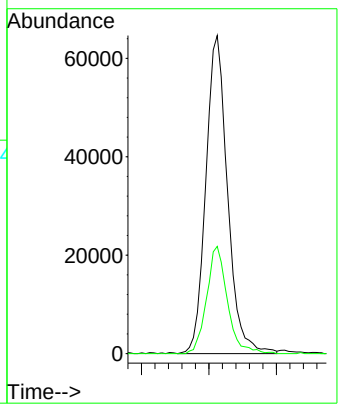
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

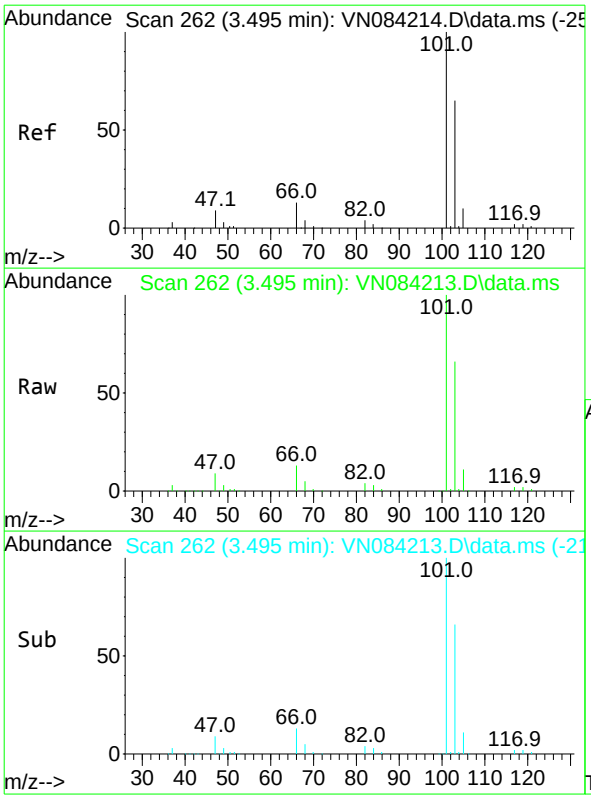


#6
Chloroethane
Concen: 80.099 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 64 Resp: 144394

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3

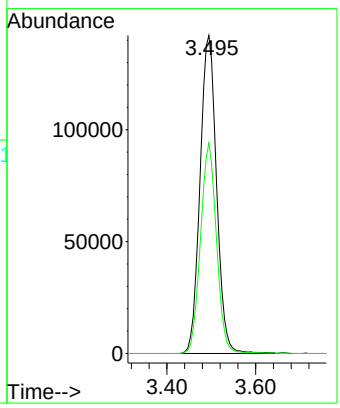




#7
Trichlorofluoromethane
Concen: 93.608 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:101 Resp: 366907

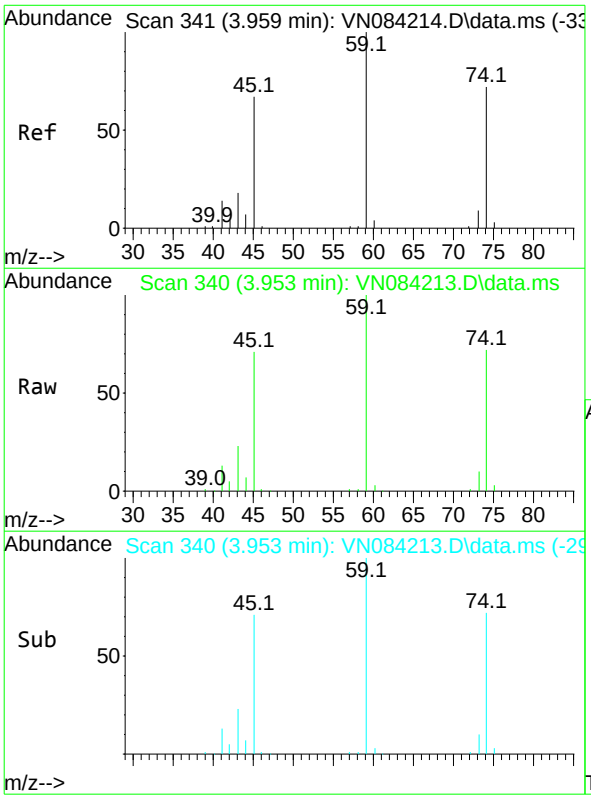
Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

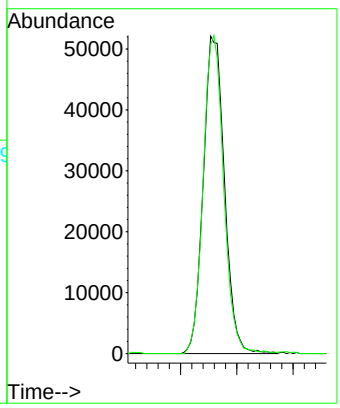
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

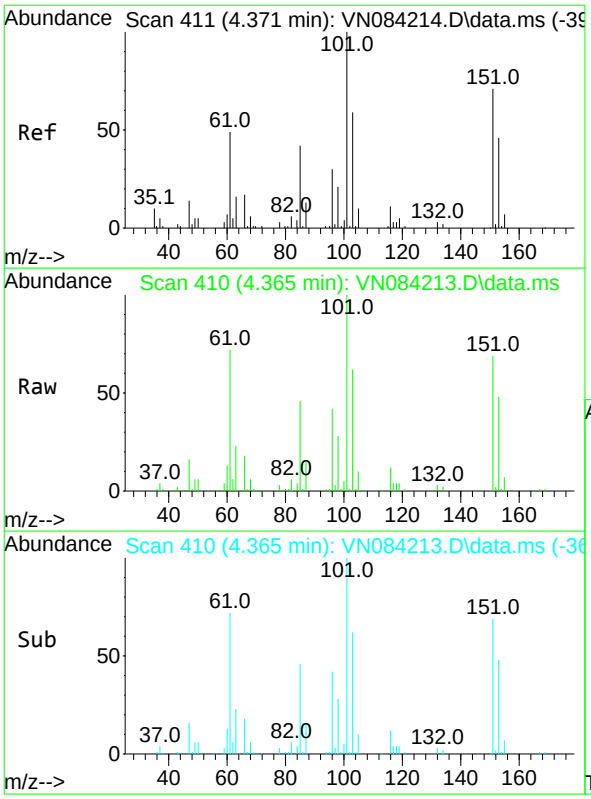


#8
Diethyl Ether
Concen: 93.854 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 74 Resp: 136436

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1

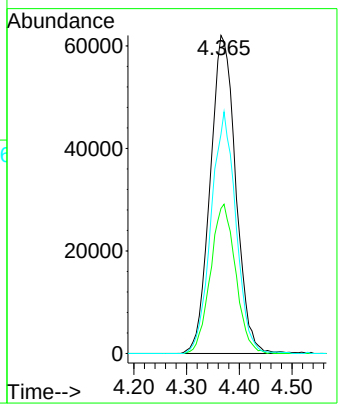




#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.811 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:101 Resp: 208443

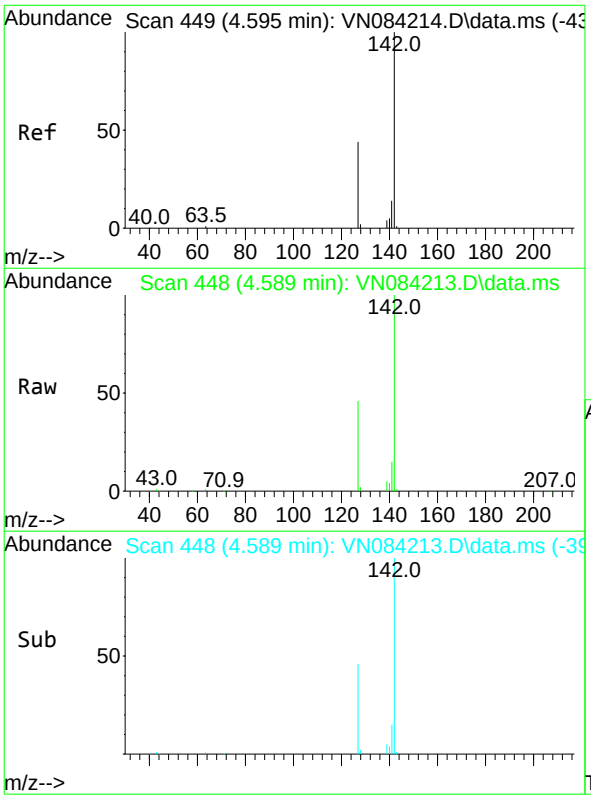
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	74.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

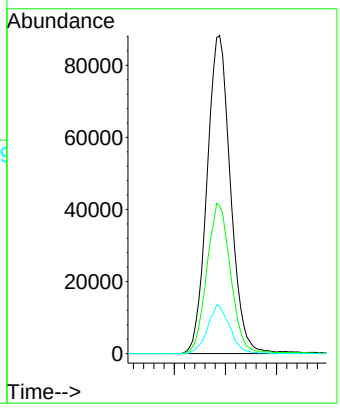
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

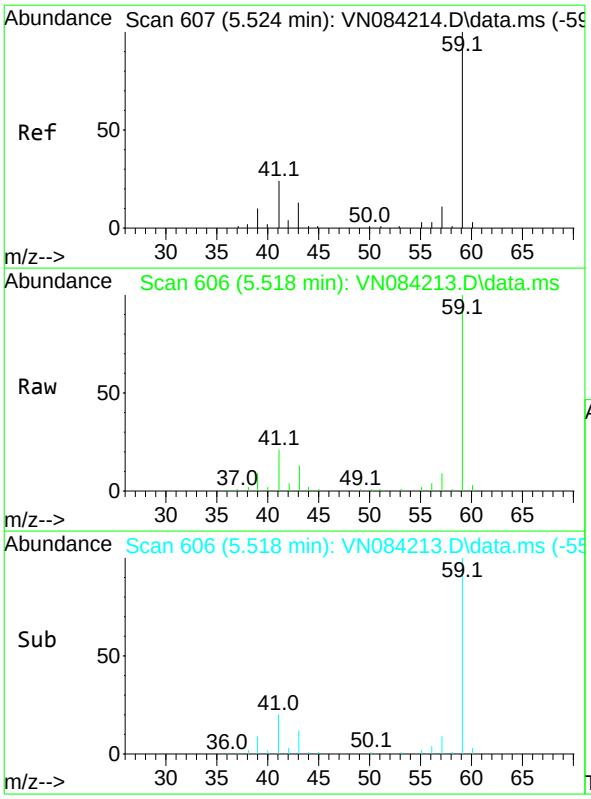


#10
Methyl Iodide
Concen: 97.248 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

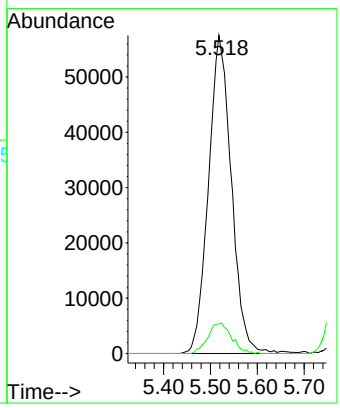




#11
Tert butyl alcohol
Concen: 414.018 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 59 Resp: 194750

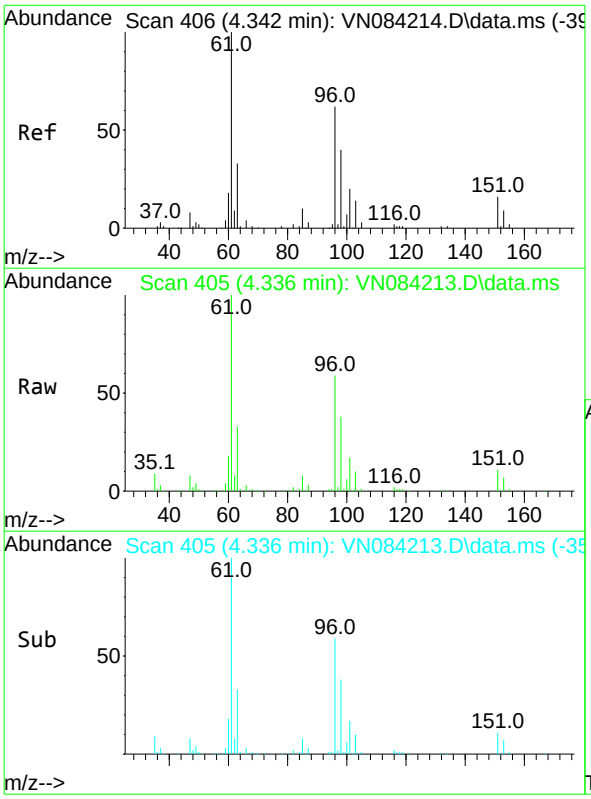
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

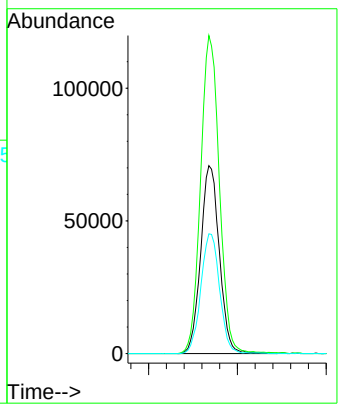
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

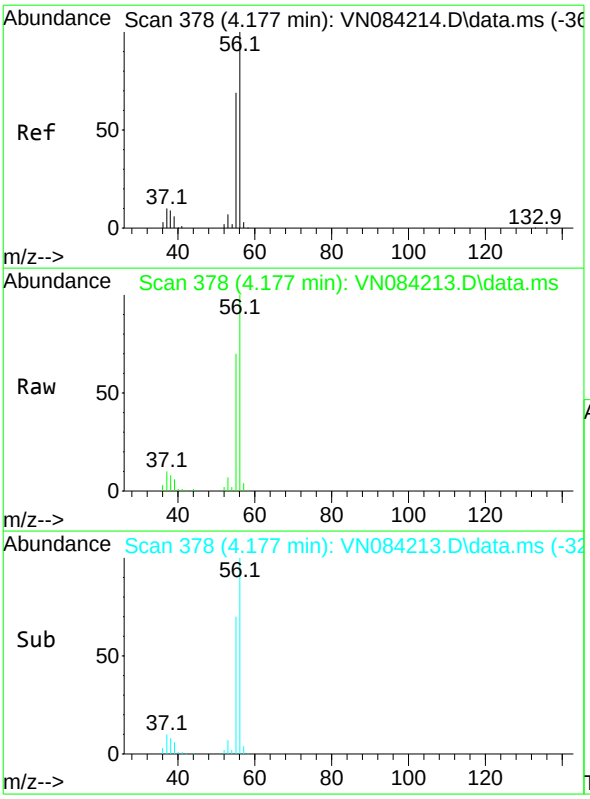


#12
1,1-Dichloroethene
Concen: 95.491 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

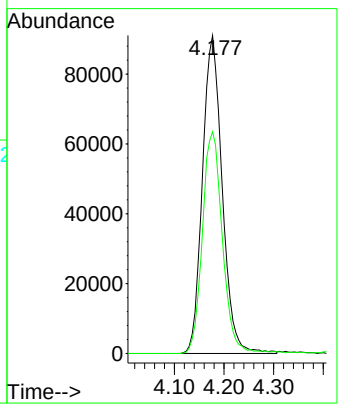




#13
Acrolein
Concen: 466.304 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 56 Resp: 251811

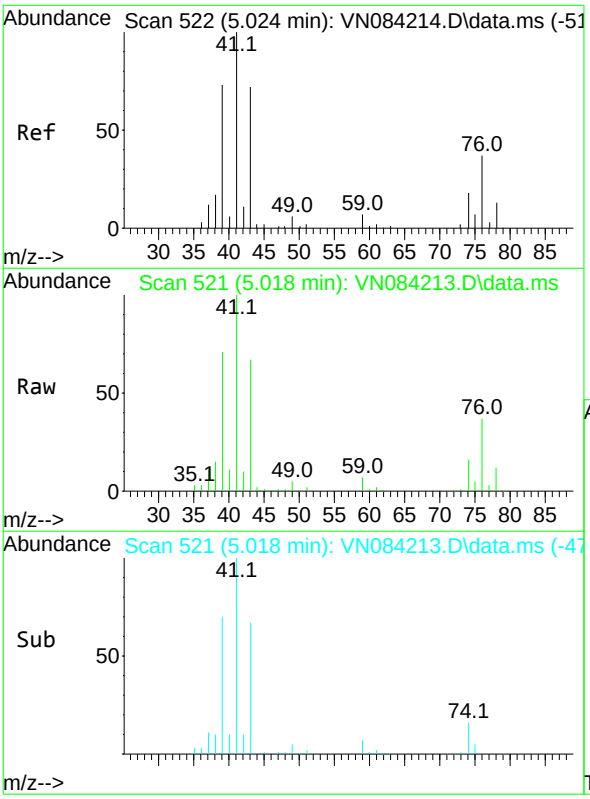
Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

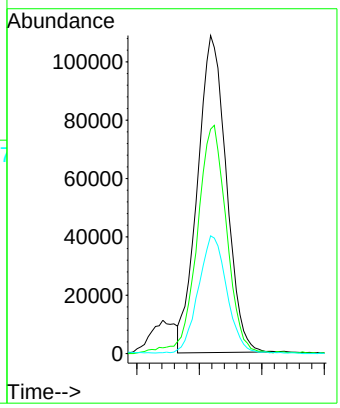
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

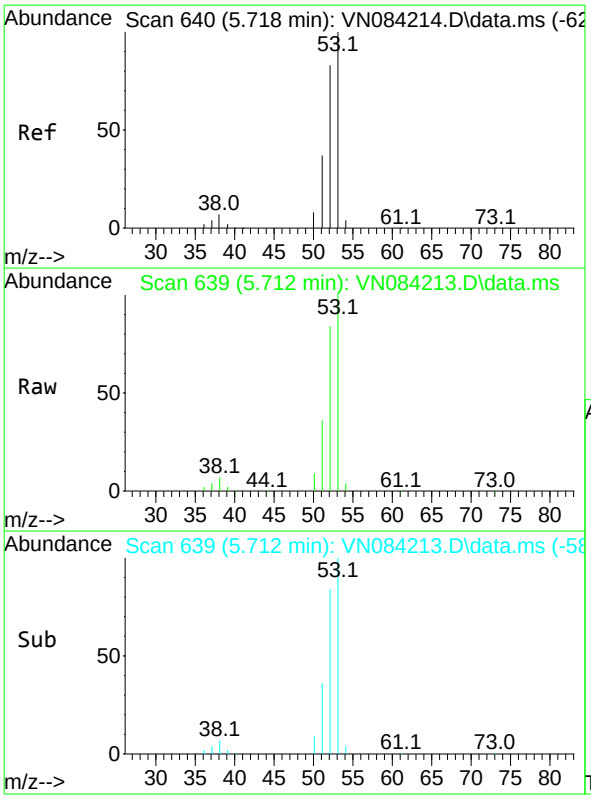


#14
Allyl chloride
Concen: 92.526 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

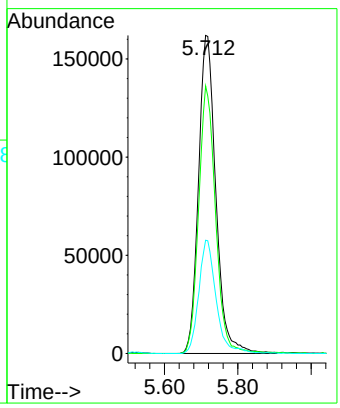




#15
Acrylonitrile
Concen: 448.931 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 53 Resp: 533270

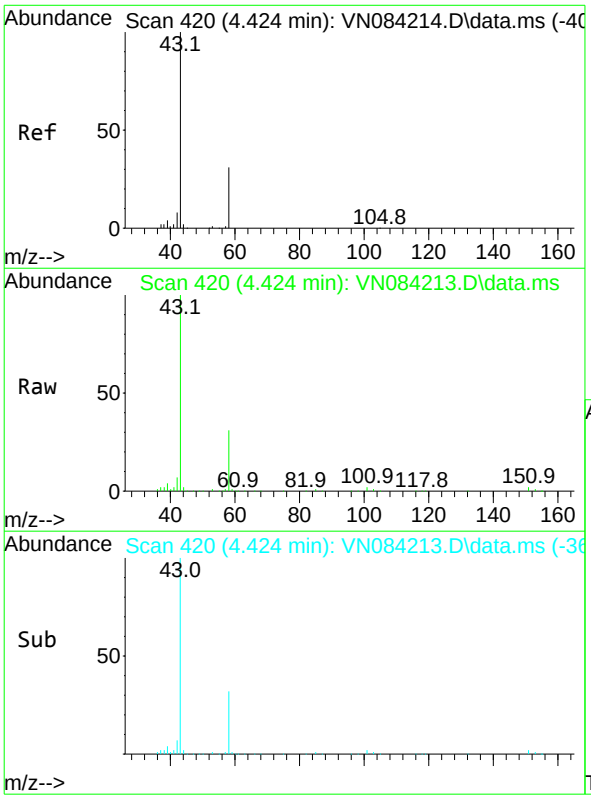
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

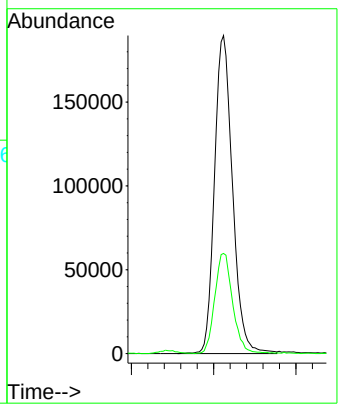
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

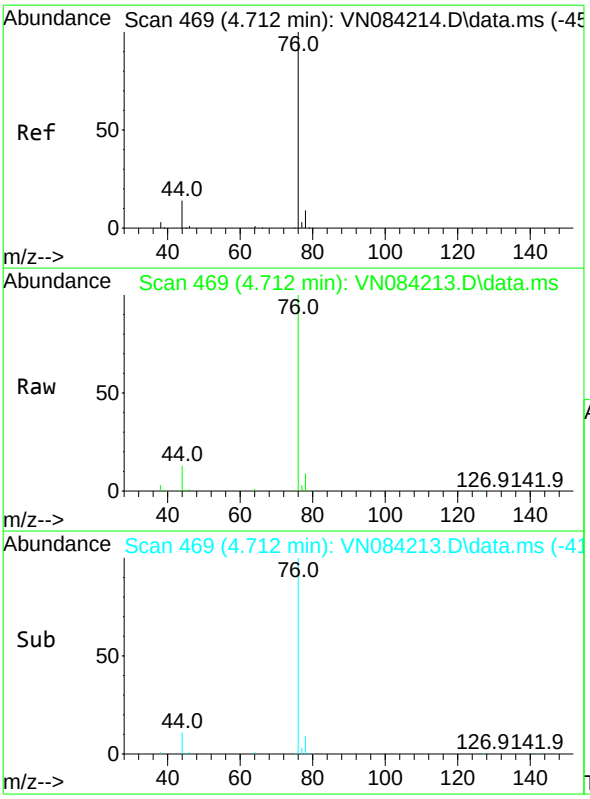


#16
Acetone
Concen: 470.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 576139

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6

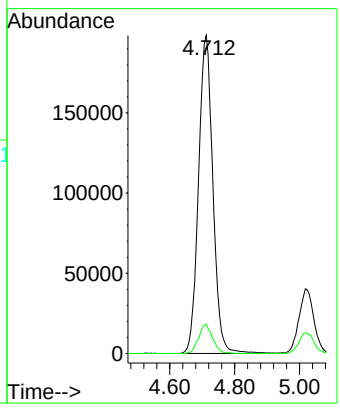




#17
Carbon Disulfide
Concen: 89.090 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 76 Resp: 611042

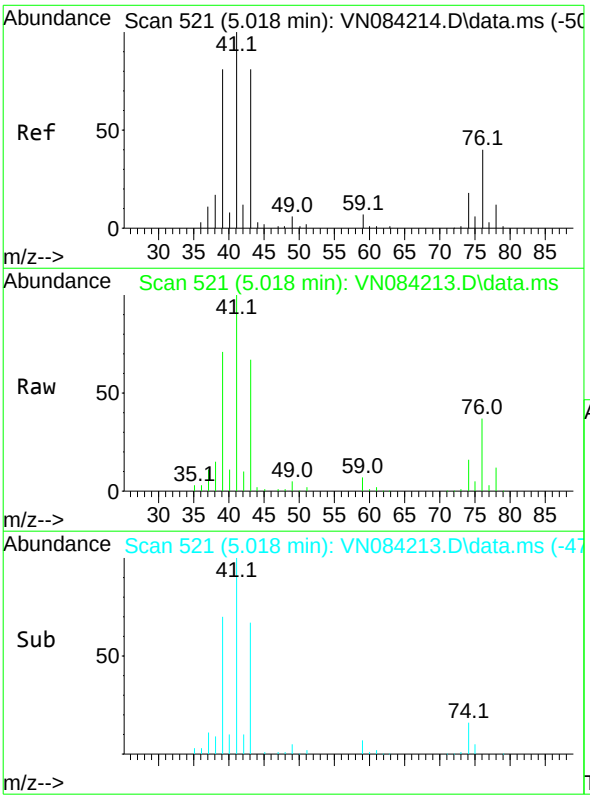
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

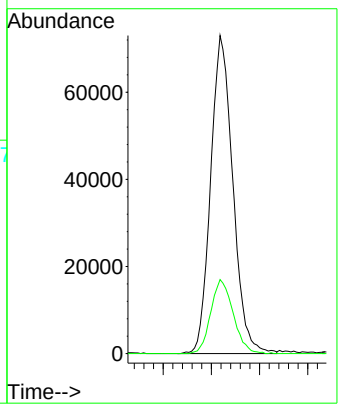
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

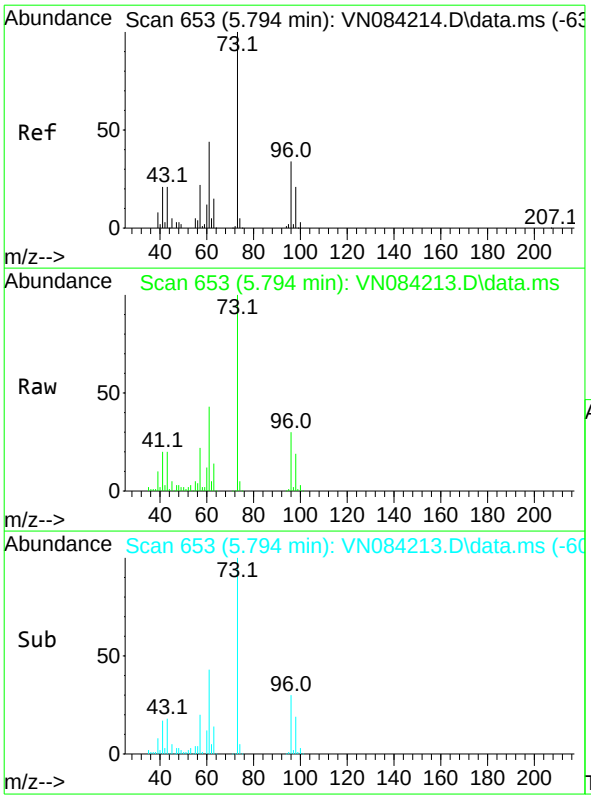


#18
Methyl Acetate
Concen: 87.499 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 233708

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8

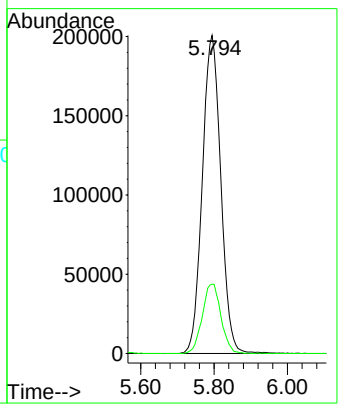




#19
Methyl tert-butyl Ether
Concen: 96.061 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 73 Resp: 702366

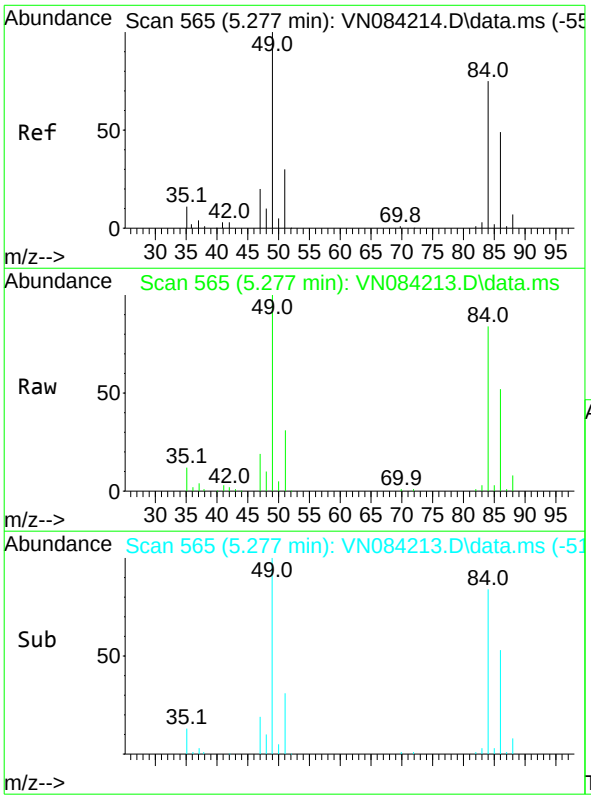
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

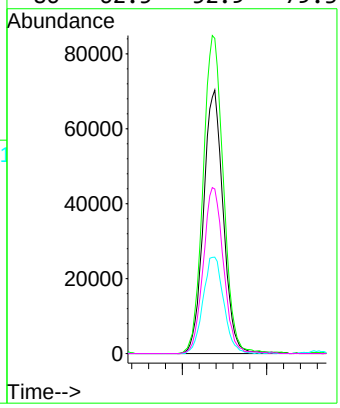
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

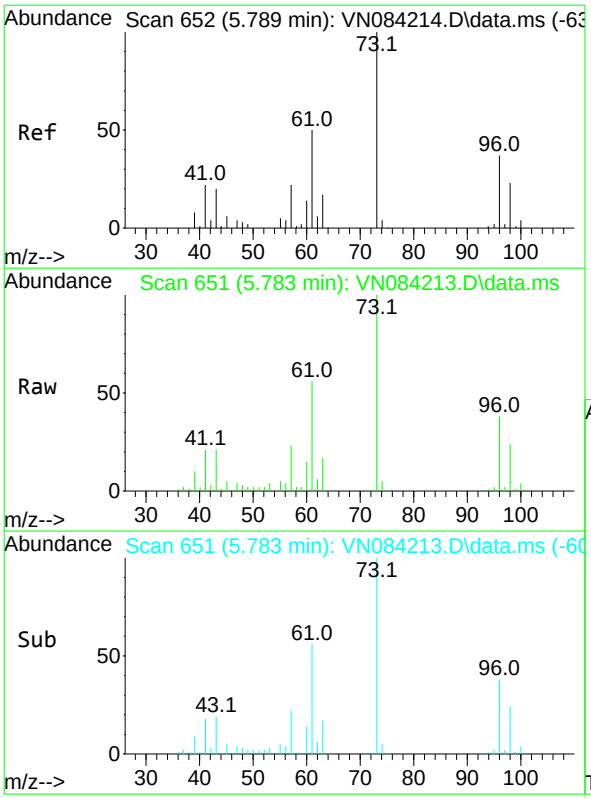


#20
Methylene Chloride
Concen: 91.809 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

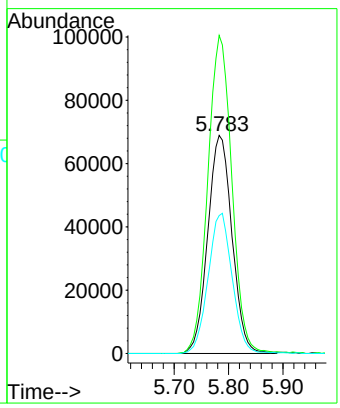




#21
trans-1,2-Dichloroethene
Concen: 94.160 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 213704

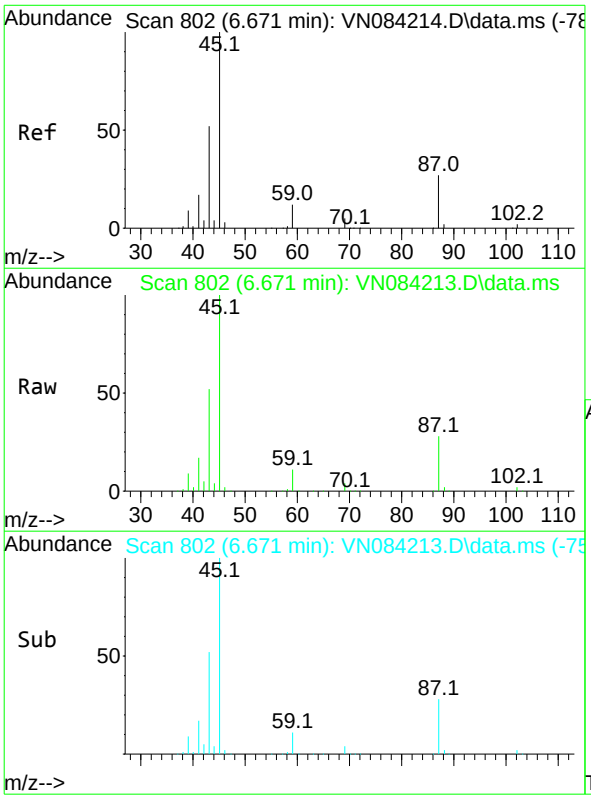
Ion	Ratio	Lower	Upper
96	100		
61	145.8	108.4	162.6
98	63.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

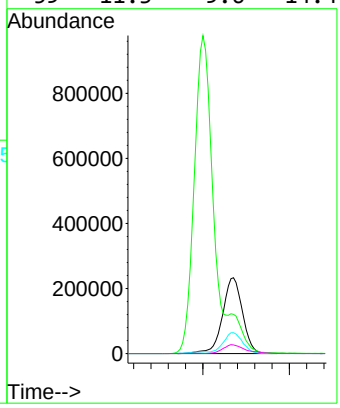
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

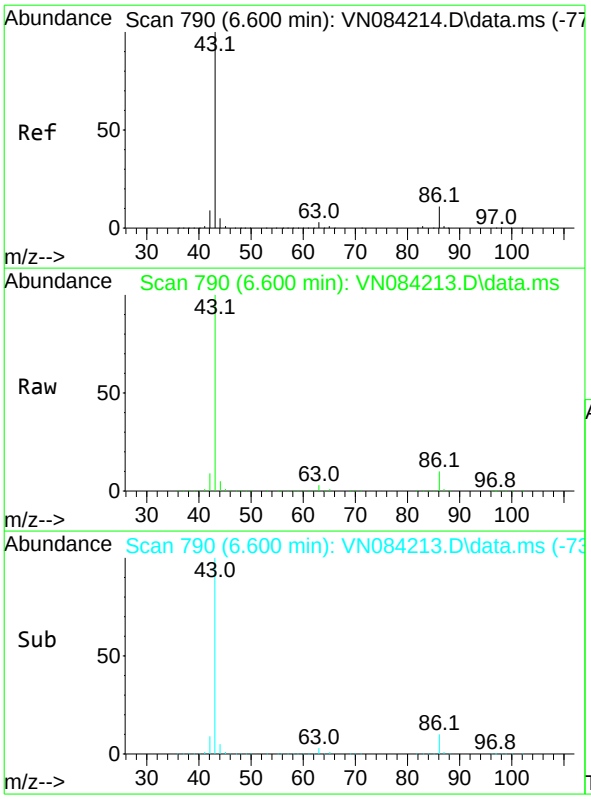


#22
Diisopropyl ether
Concen: 95.811 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

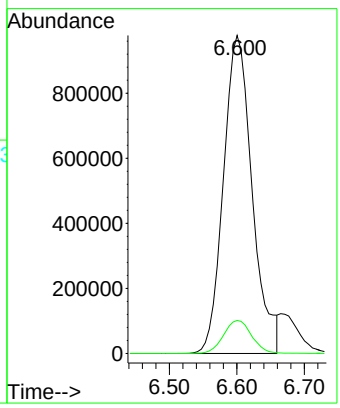




#23
Vinyl Acetate
Concen: 498.979 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 289542

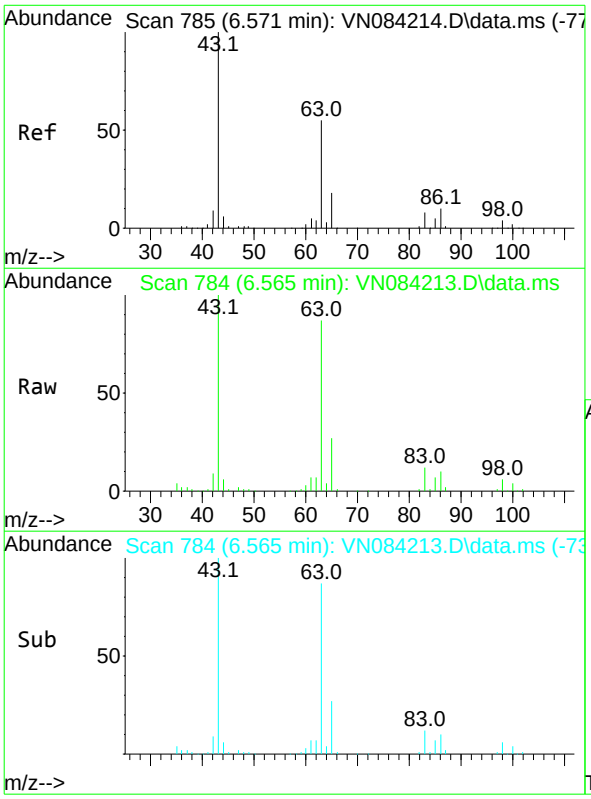
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

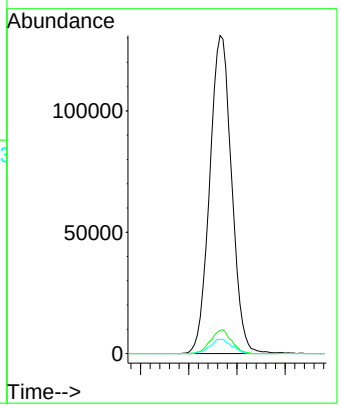
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

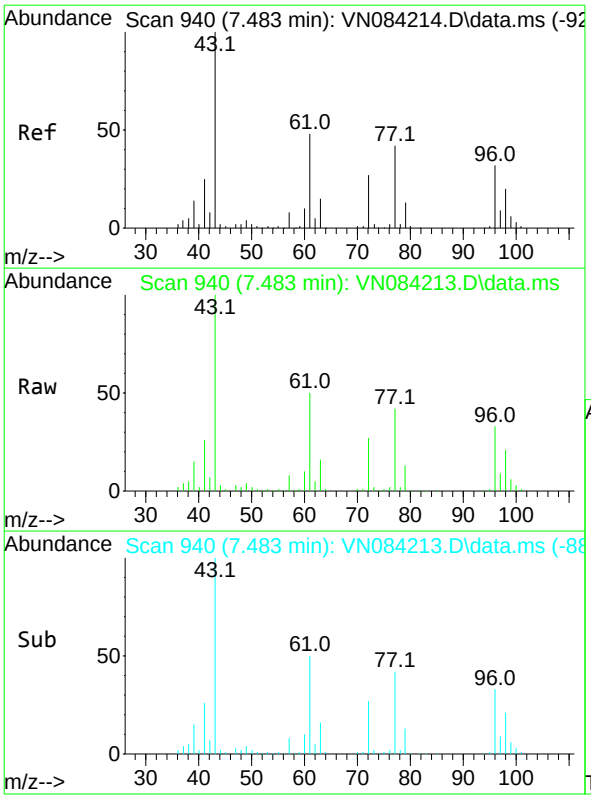


#24
1,1-Dichloroethane
Concen: 95.021 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

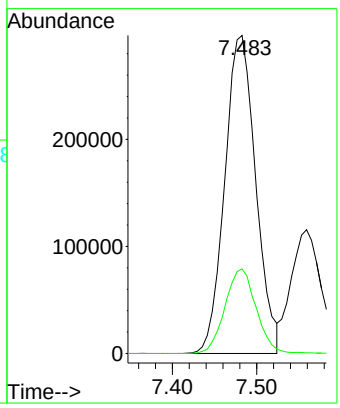




#25
2-Butanone
Concen: 454.946 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 759354

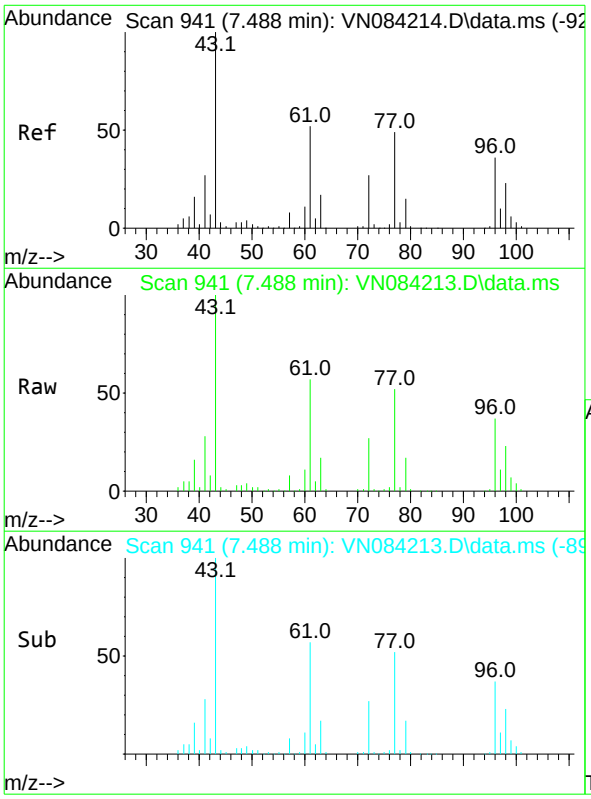
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

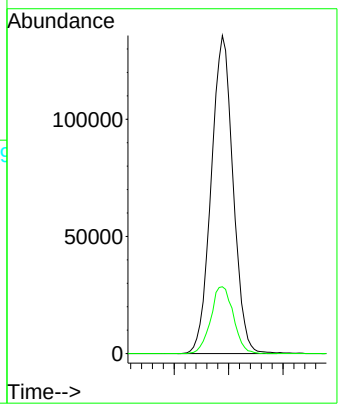
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

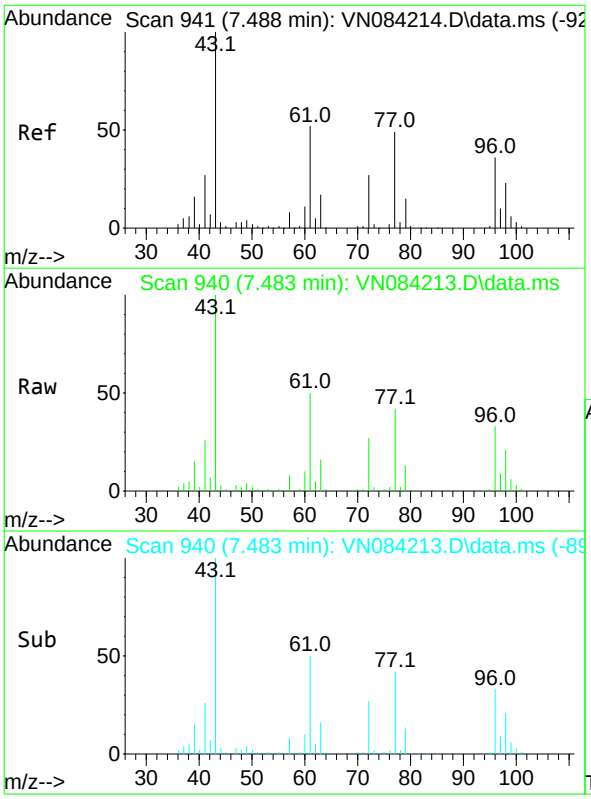


#26
2,2-Dichloropropane
Concen: 96.560 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 77 Resp: 378893

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

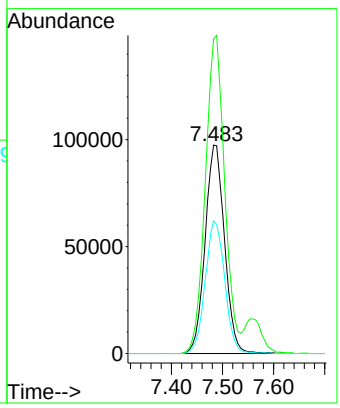




#27
cis-1,2-Dichloroethene
Concen: 93.962 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 96 Resp: 257696

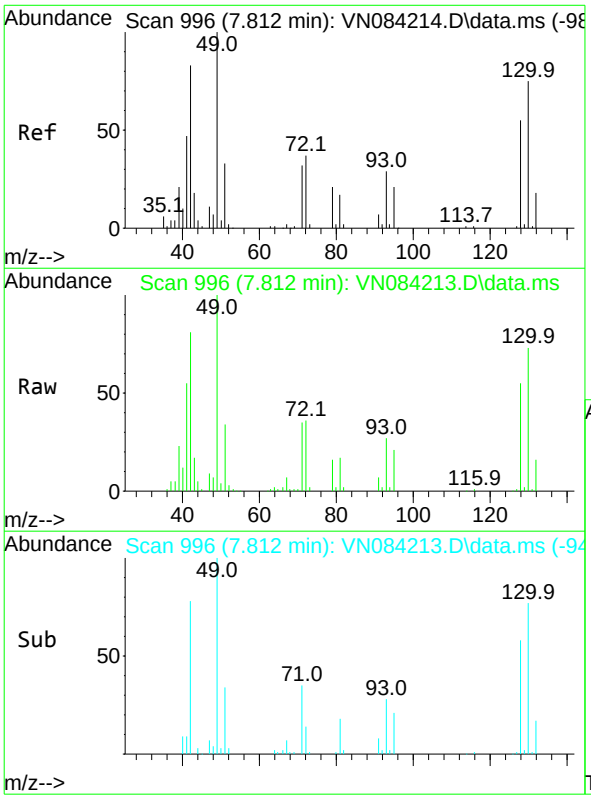
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	301.8
98	63.8	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

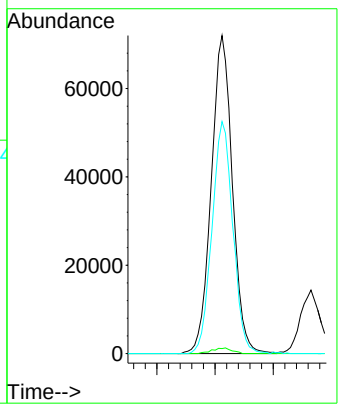
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

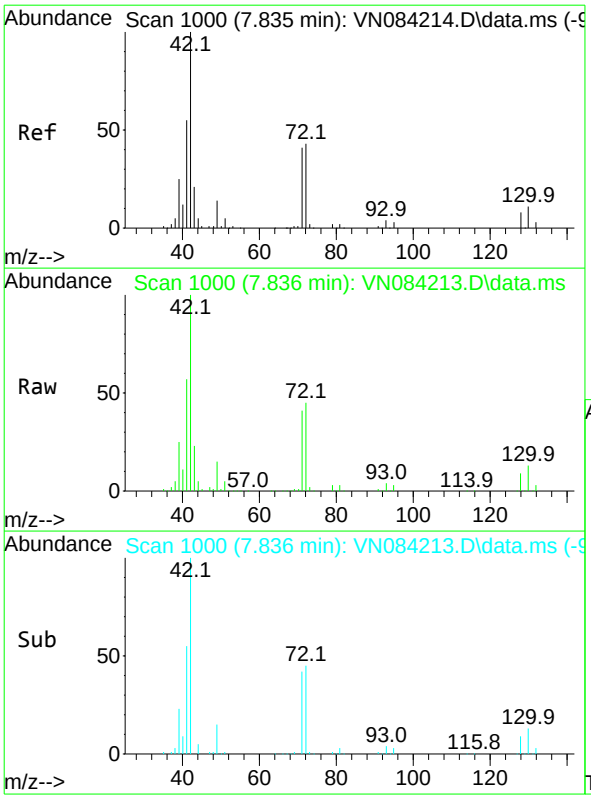


#28
Bromochloromethane
Concen: 93.497 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

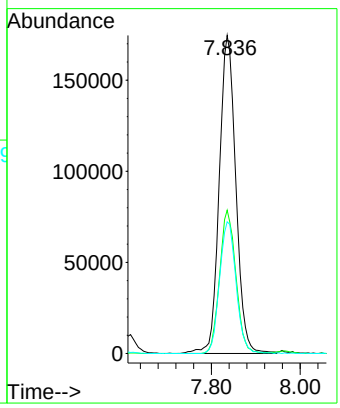




#29
Tetrahydrofuran
Concen: 440.124 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 42 Resp: 453342

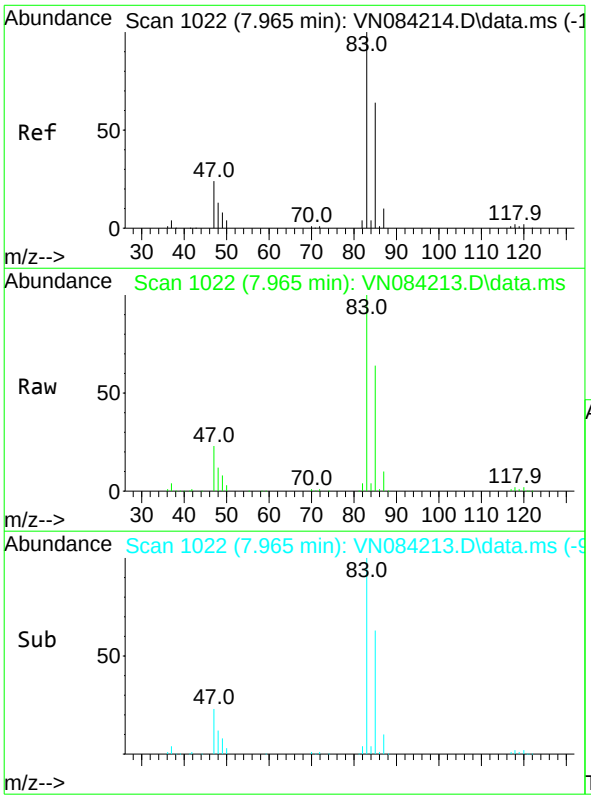
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	41.2	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

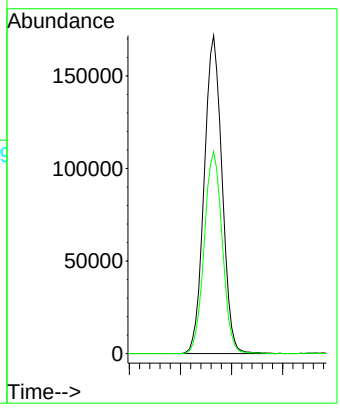
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

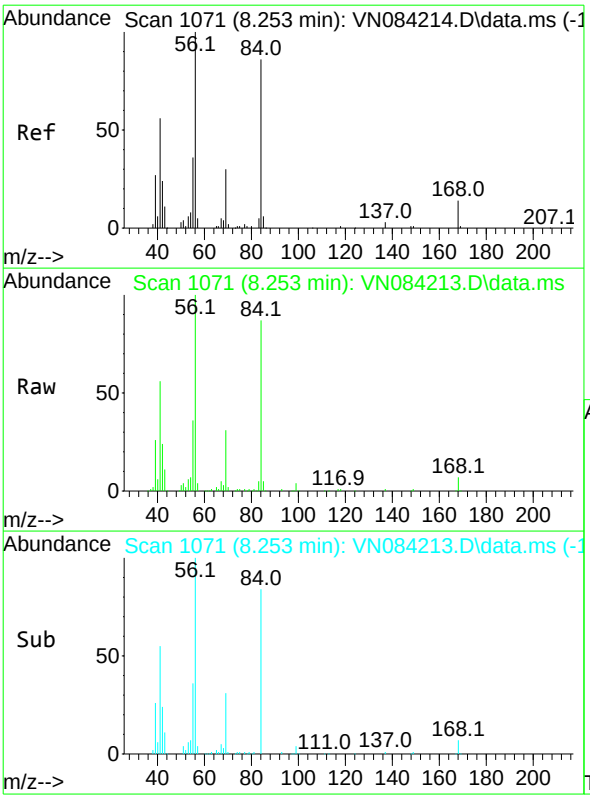


#30
Chloroform
Concen: 92.156 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 416595

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4

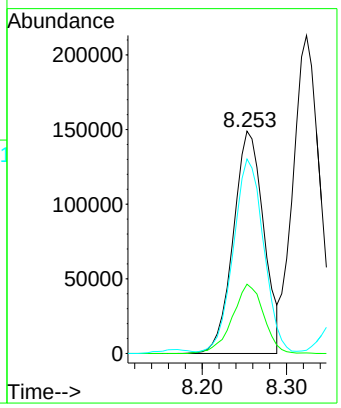




#31
Cyclohexane
Concen: 88.380 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 56 Resp: 373445

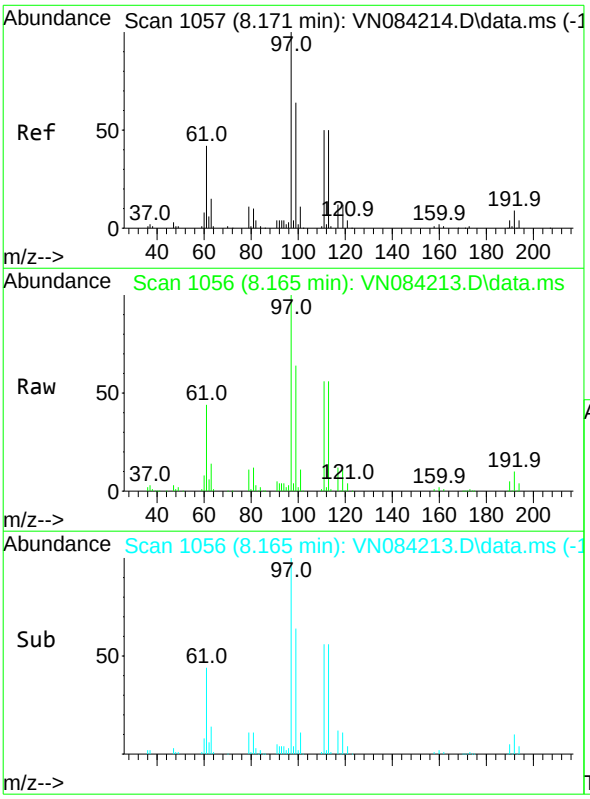
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	85.7	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

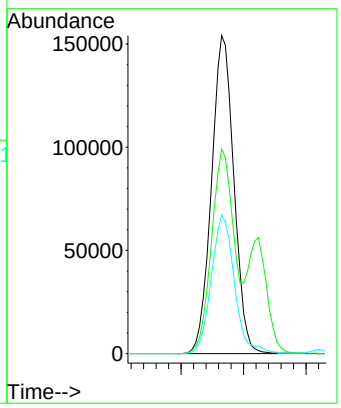
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

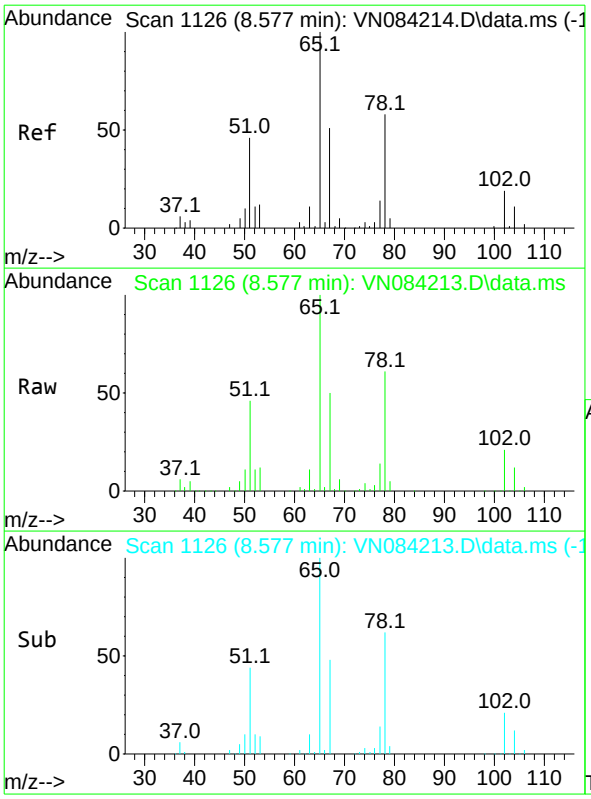


#32
1,1,1-Trichloroethane
Concen: 94.476 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

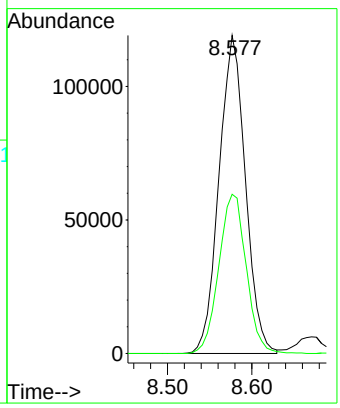




#33
1,2-Dichloroethane-d4
Concen: 90.797 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 65 Resp: 259018

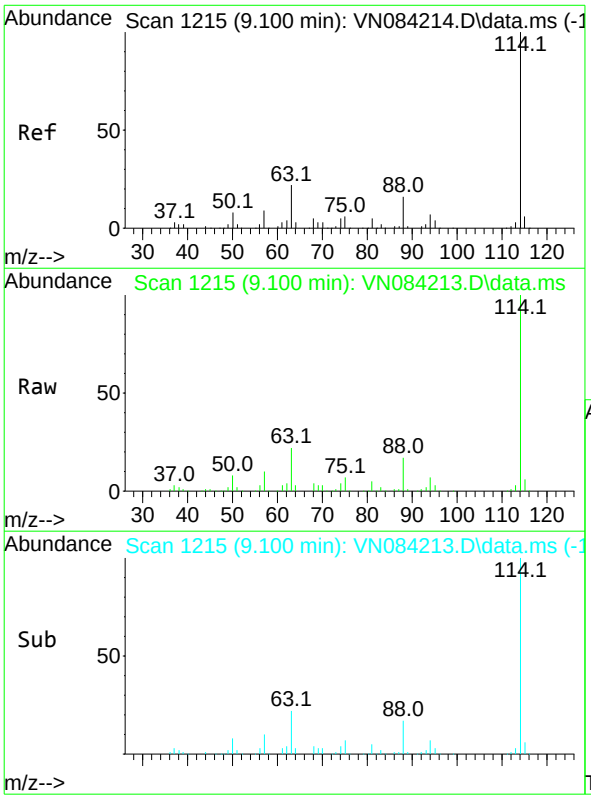
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

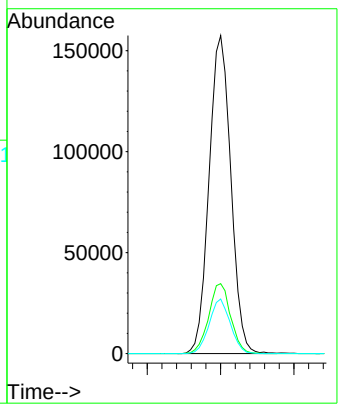
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

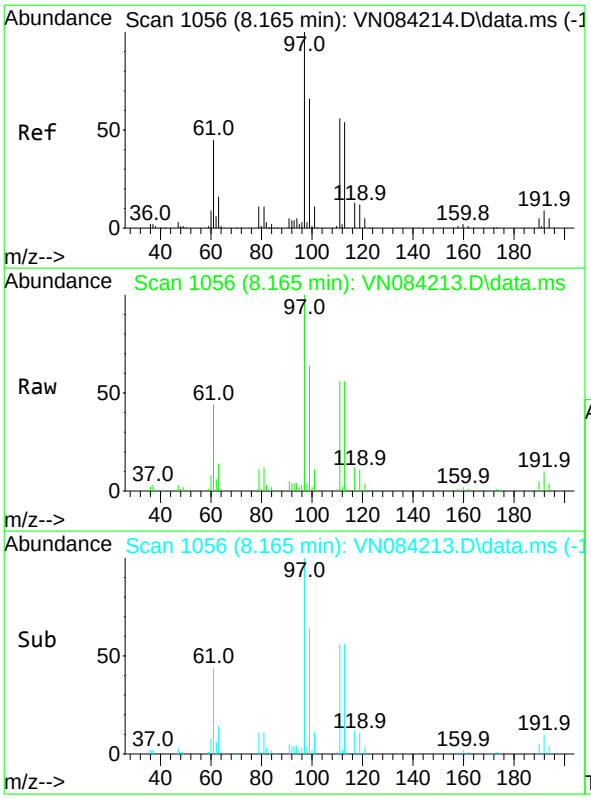


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

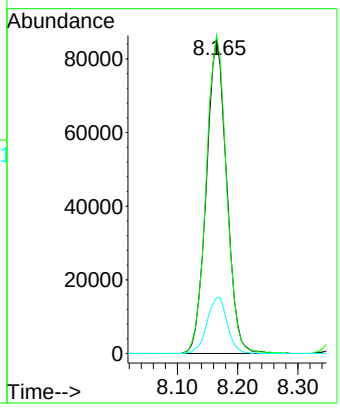




#35
Dibromofluoromethane
Concen: 93.542 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:113 Resp: 200166

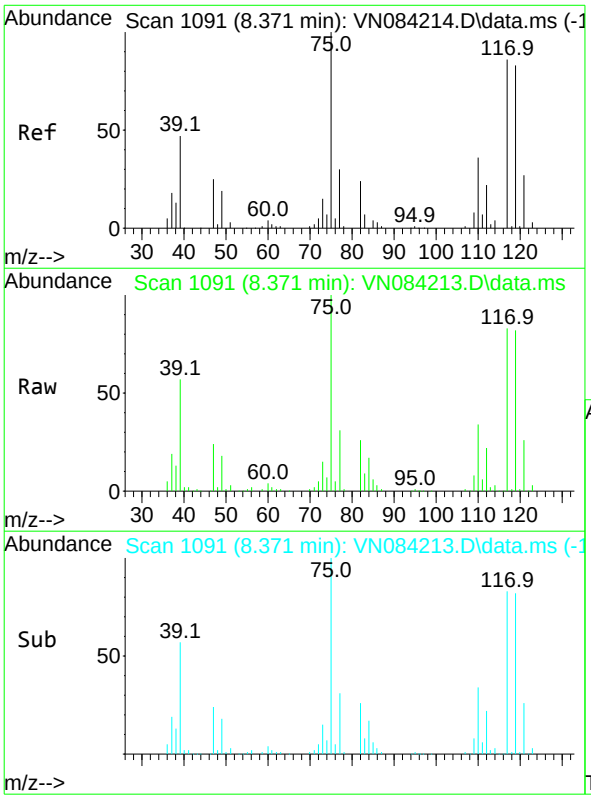
Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

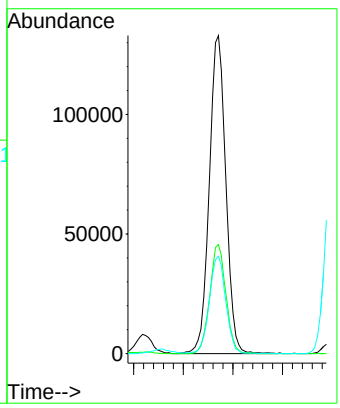
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

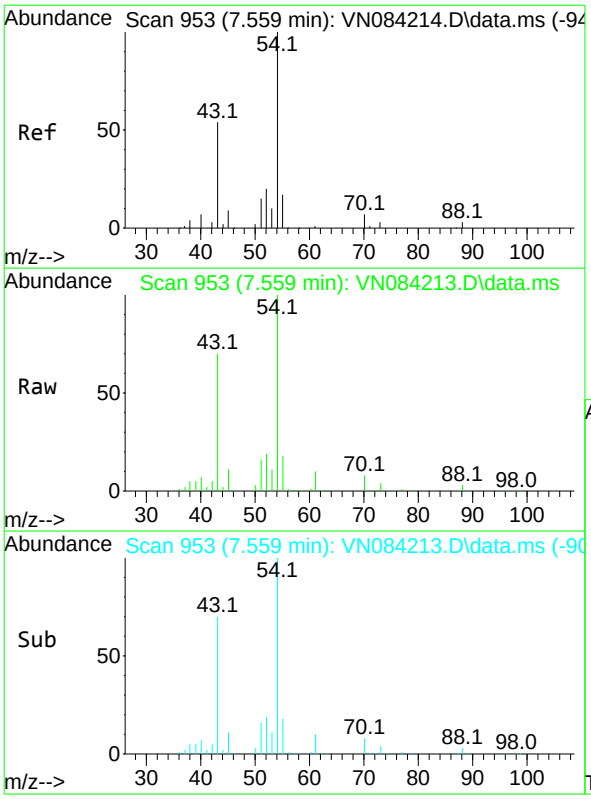


#36
1,1-Dichloropropene
Concen: 98.969 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

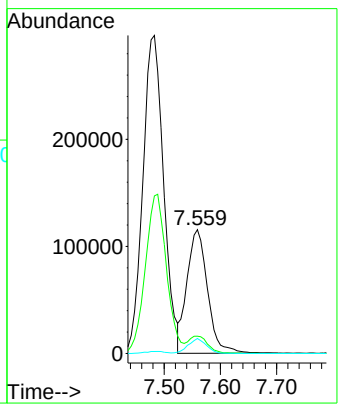




#37
Ethyl Acetate
Concen: 92.073 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 293597

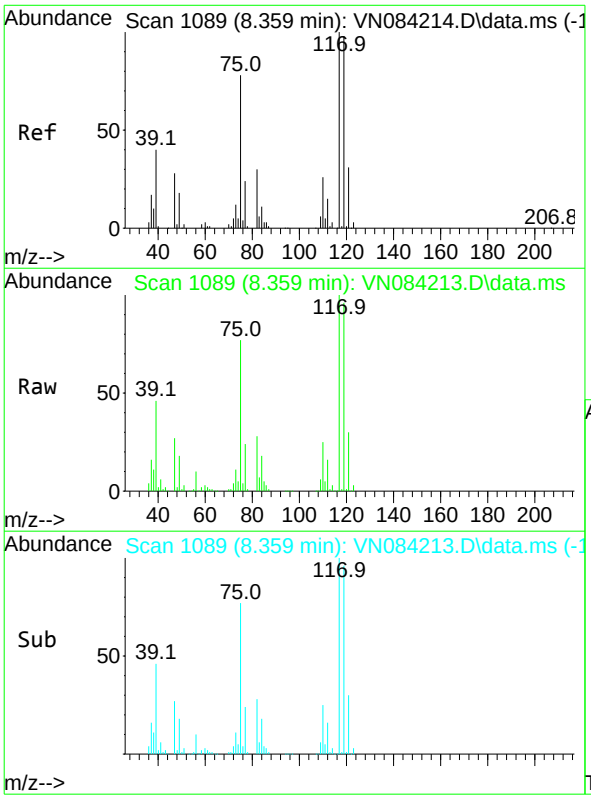
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	10.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

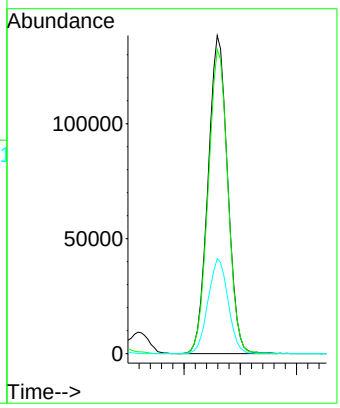
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

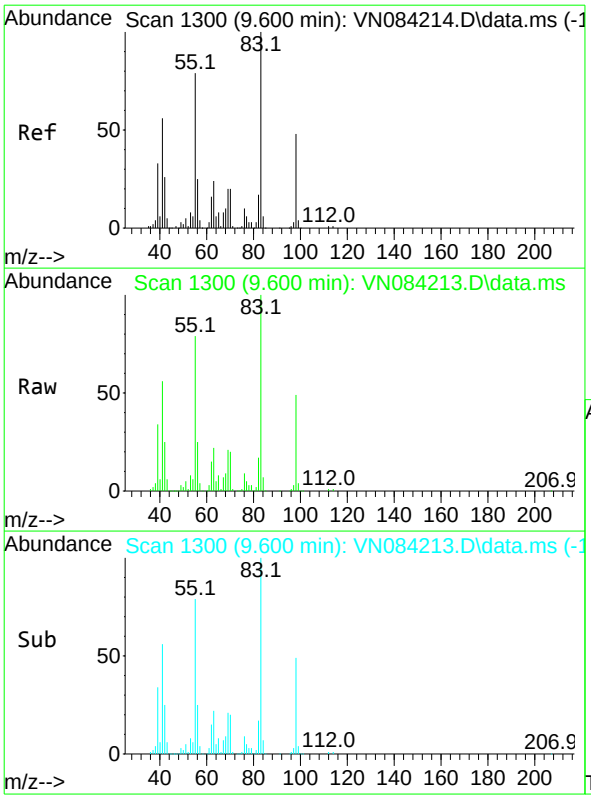


#38
Carbon Tetrachloride
Concen: 98.077 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

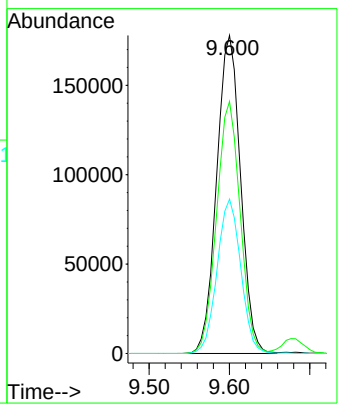




#39
Methylcyclohexane
Concen: 106.466 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 368299

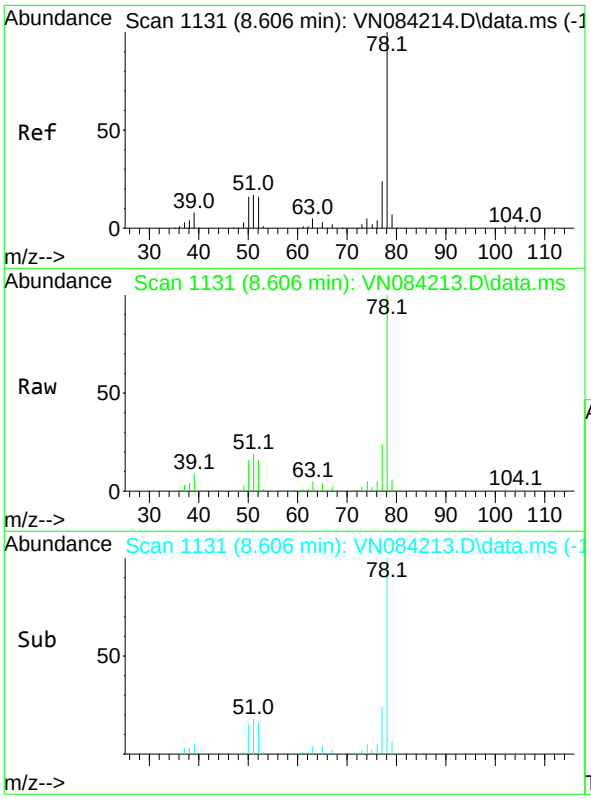
Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.8	94.2
98	48.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

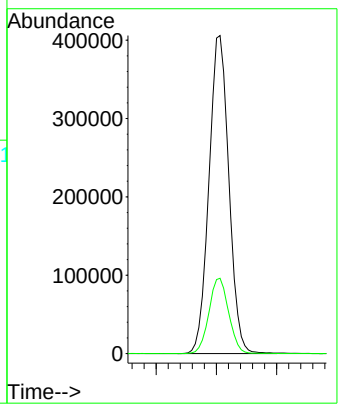
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

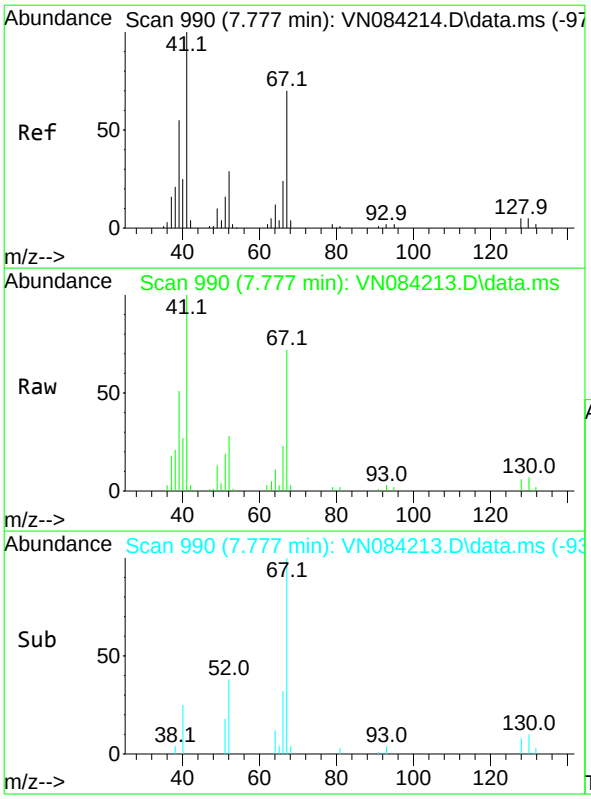


#40
Benzene
Concen: 96.145 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 78 Resp: 931076

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7

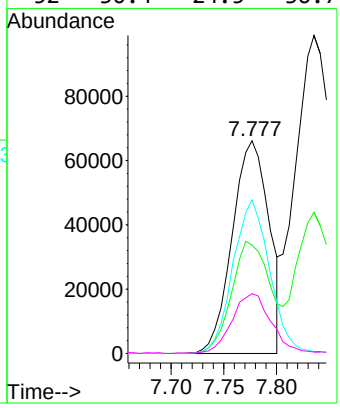




#41
Methacrylonitrile
Concen: 92.581 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 41 Resp: 160270

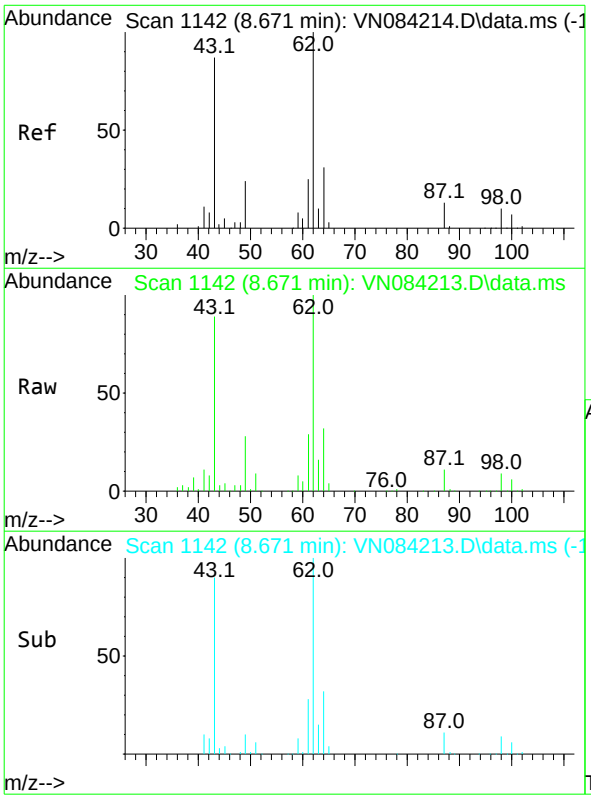
Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.3	64.9
67	72.4	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

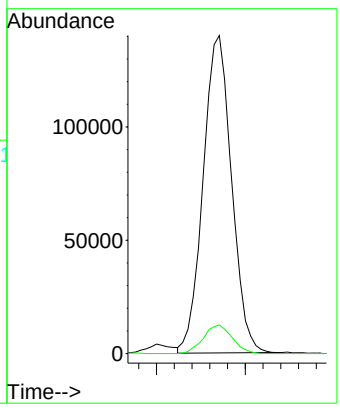
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

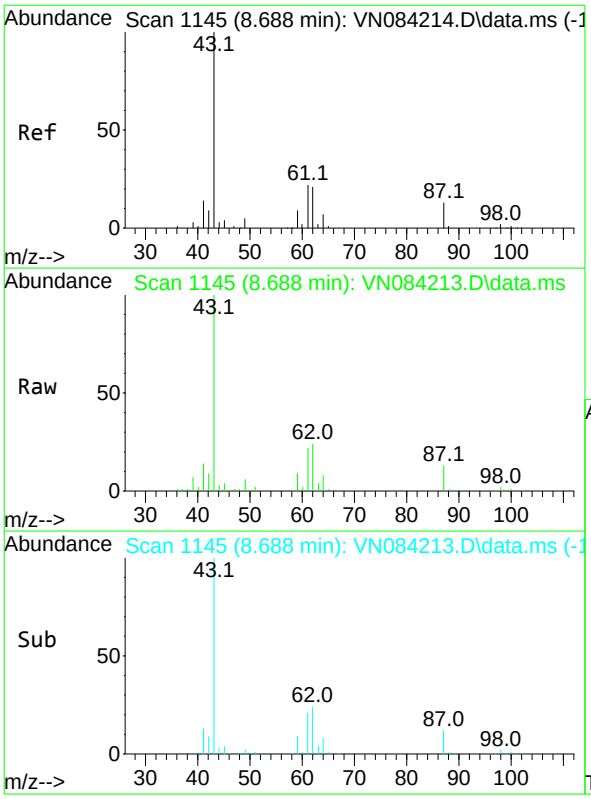


#42
1,2-Dichloroethane
Concen: 94.900 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 311563

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

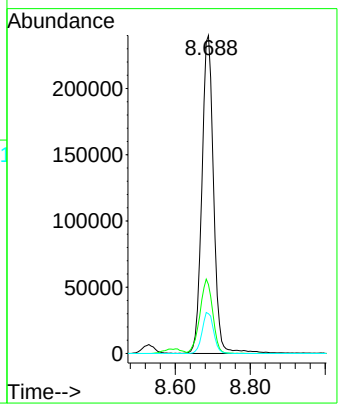




#43
Isopropyl Acetate
Concen: 83.581 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 521814

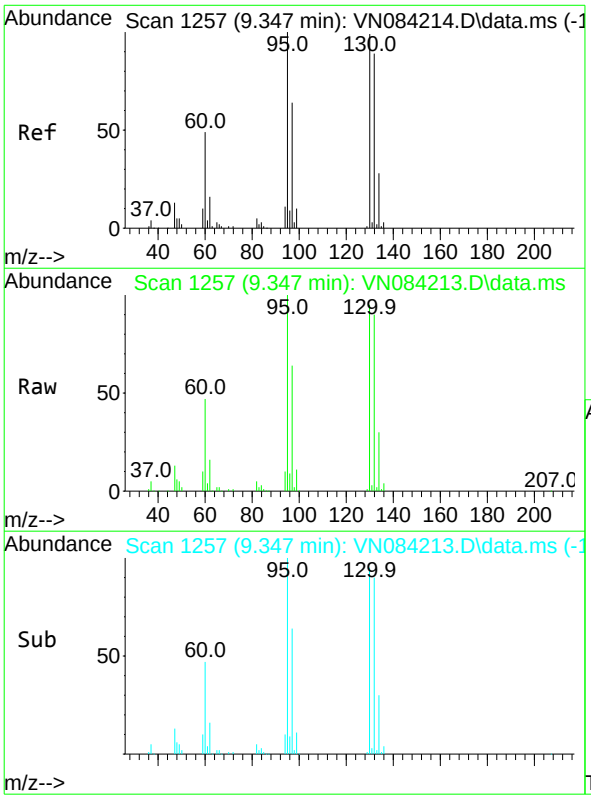
Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.4	30.6
87	12.6	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

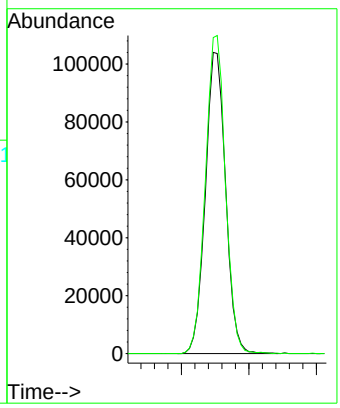
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

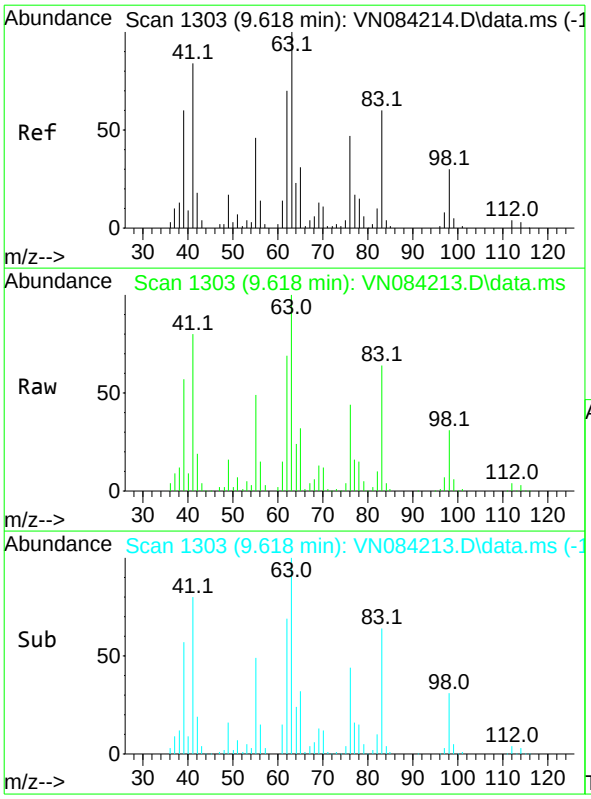


#44
Trichloroethene
Concen: 95.798 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:130 Resp: 216678

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.0

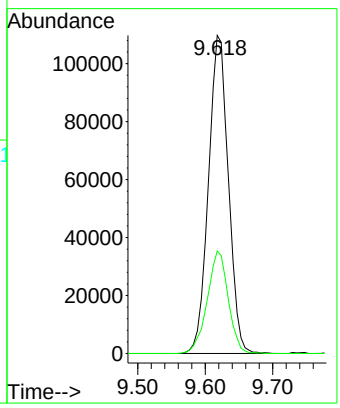




#45
1,2-Dichloropropane
Concen: 98.095 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 224724

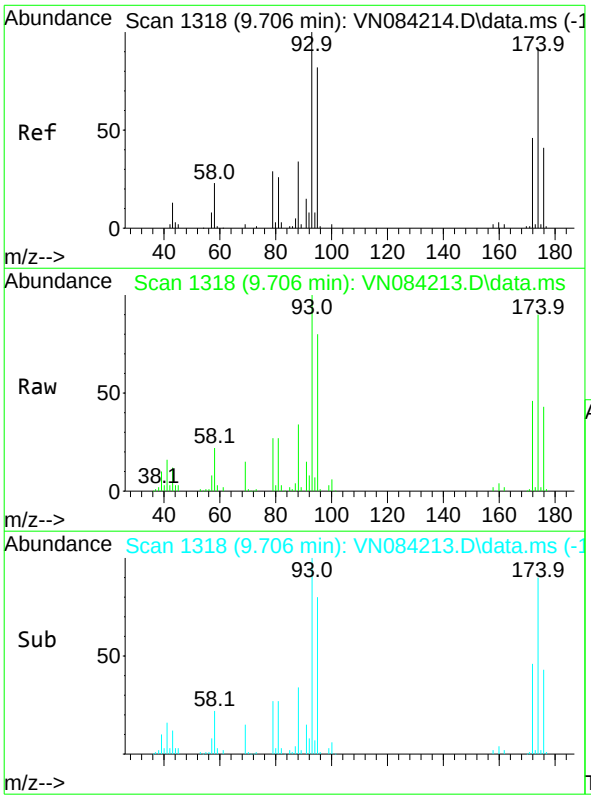
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

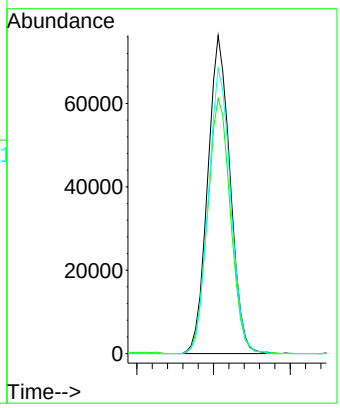
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

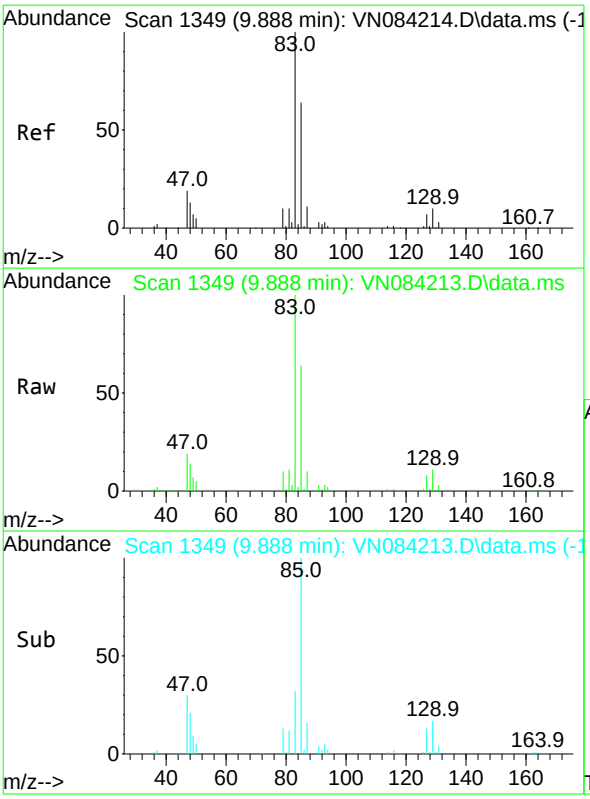


#46
Dibromomethane
Concen: 100.091 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

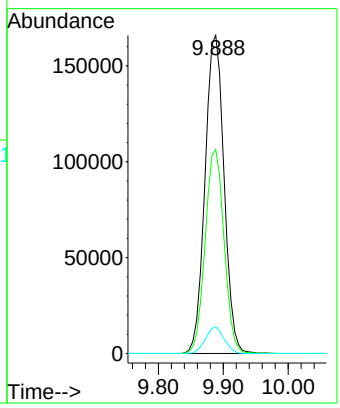




#47
Bromodichloromethane
Concen: 98.526 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 338406

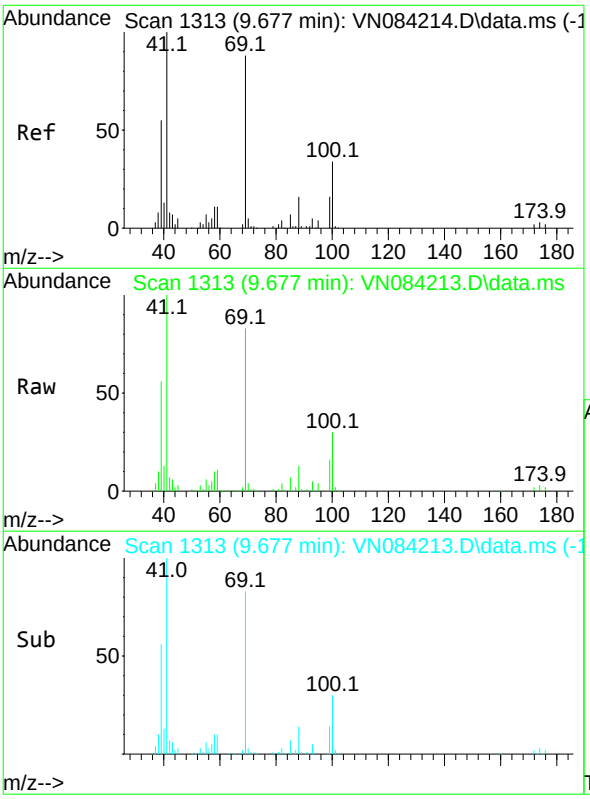
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.4	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

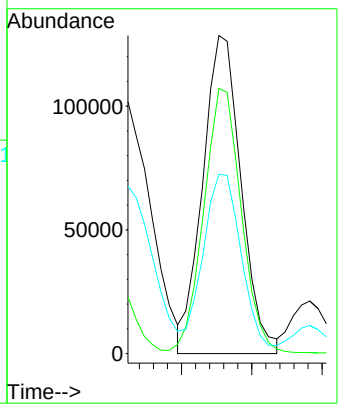
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

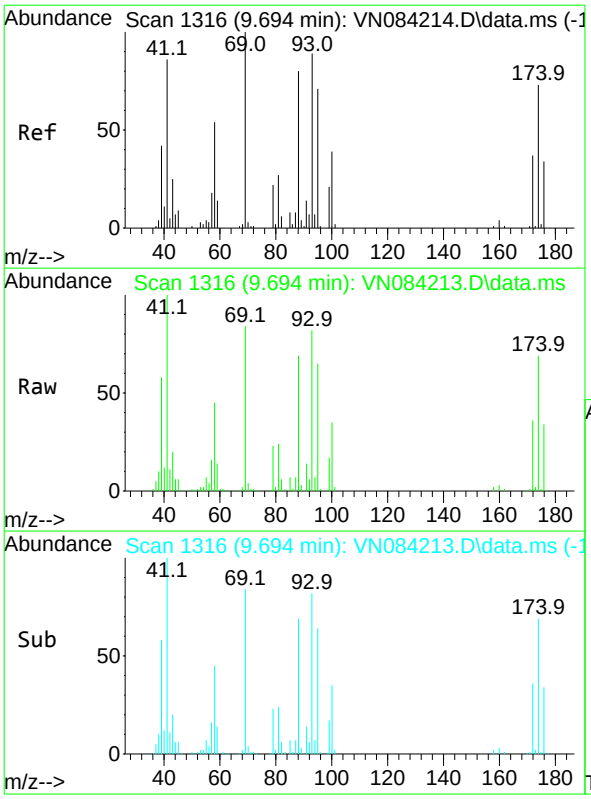


#48
Methyl methacrylate
Concen: 98.163 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

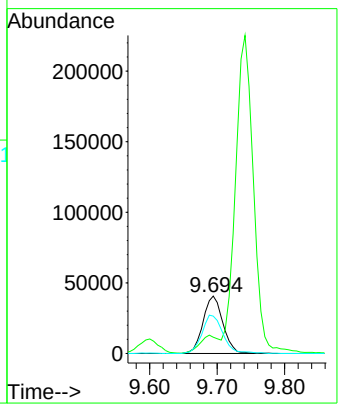




#49
1,4-Dioxane
Concen: 1810.110 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 88 Resp: 82854

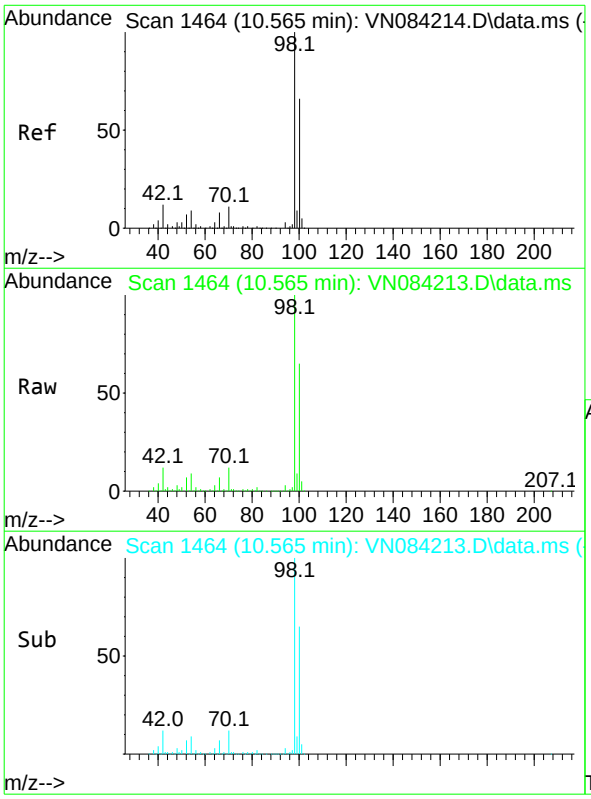
Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.3	37.9
58	70.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

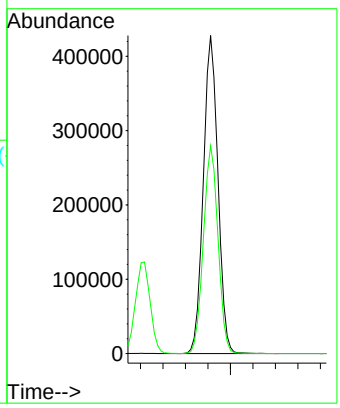
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

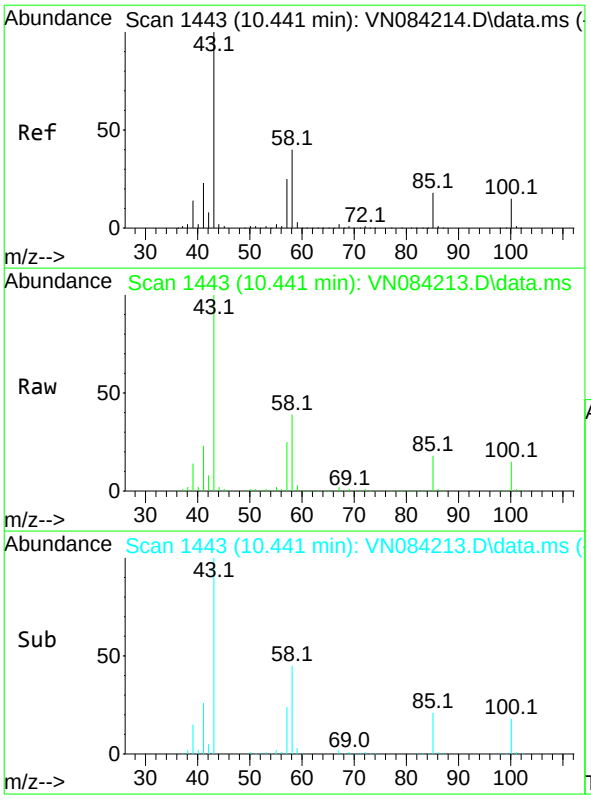


#50
Toluene-d8
Concen: 98.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 98 Resp: 772146

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

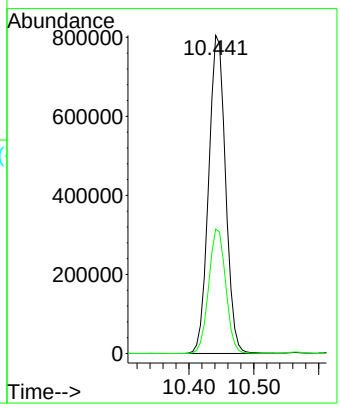




#51
4-Methyl-2-Pentanone
Concen: 479.699 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 1456154

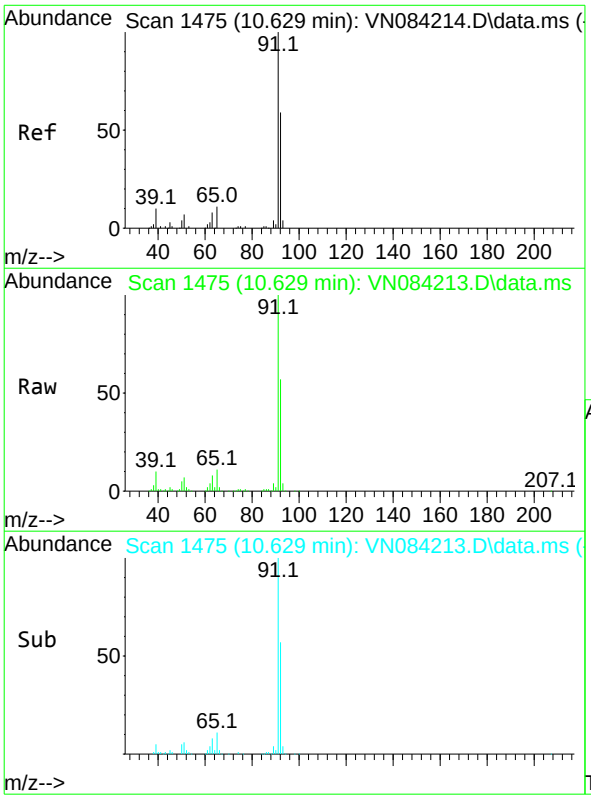
Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

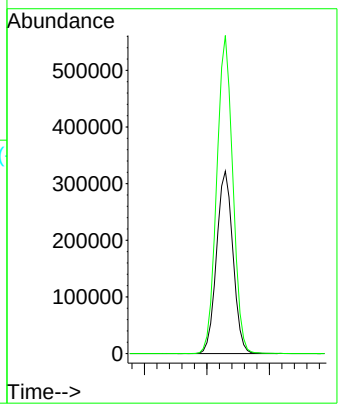
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

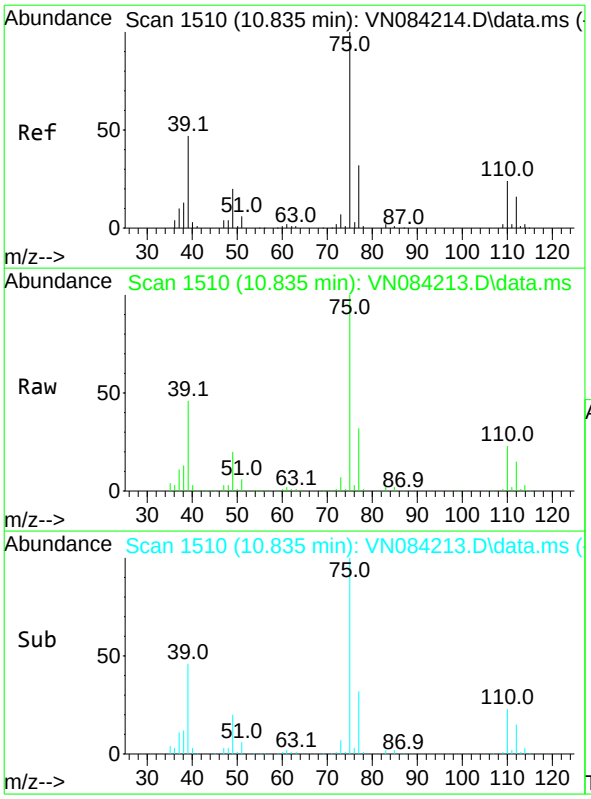


#52
Toluene
Concen: 99.324 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 92 Resp: 586544

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

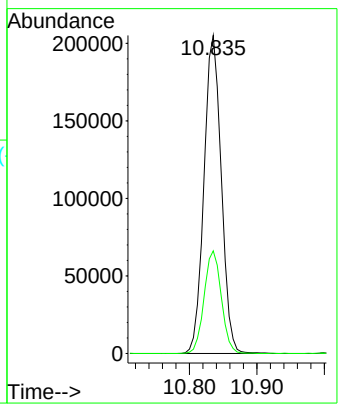




#53
t-1,3-Dichloropropene
Concen: 104.280 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 365099

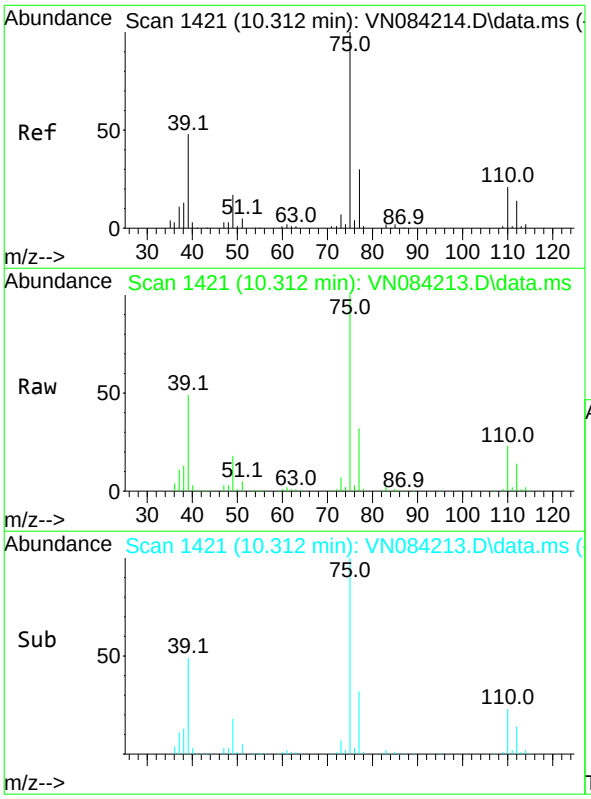
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

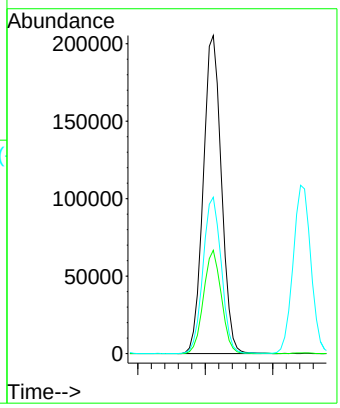
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

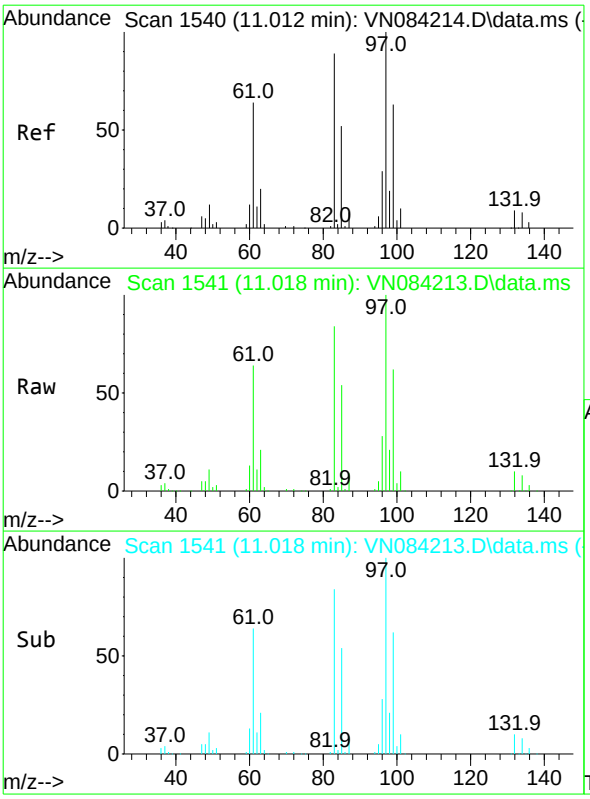


#54
cis-1,3-Dichloropropene
Concen: 101.975 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

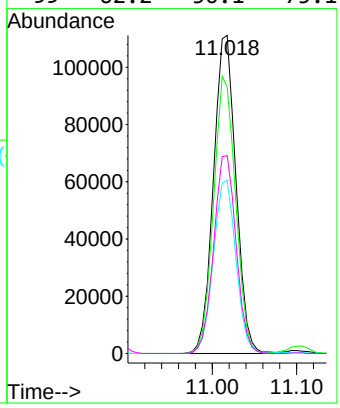




#55
1,1,2-Trichloroethane
Concen: 97.170 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 97 Resp: 205711

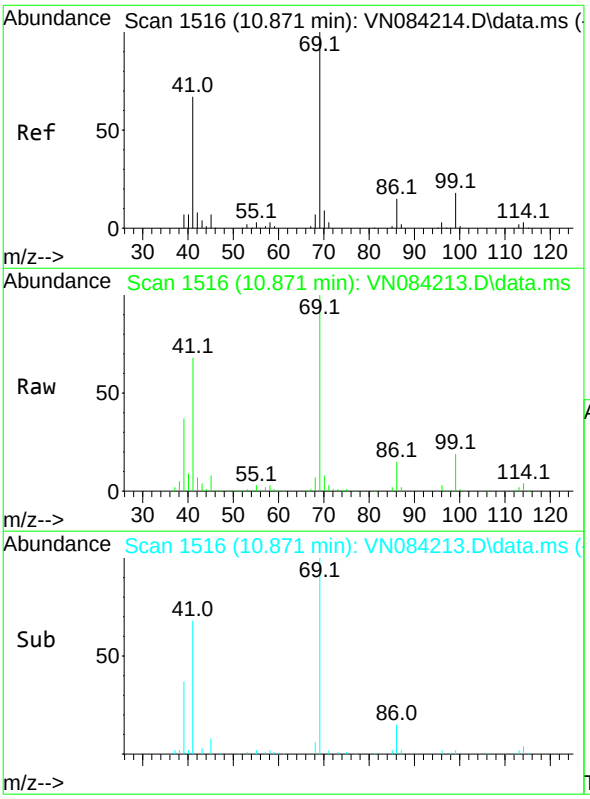
Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.0	106.4
85	54.4	41.7	62.5
99	62.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

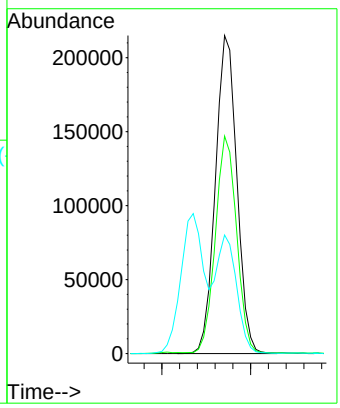
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

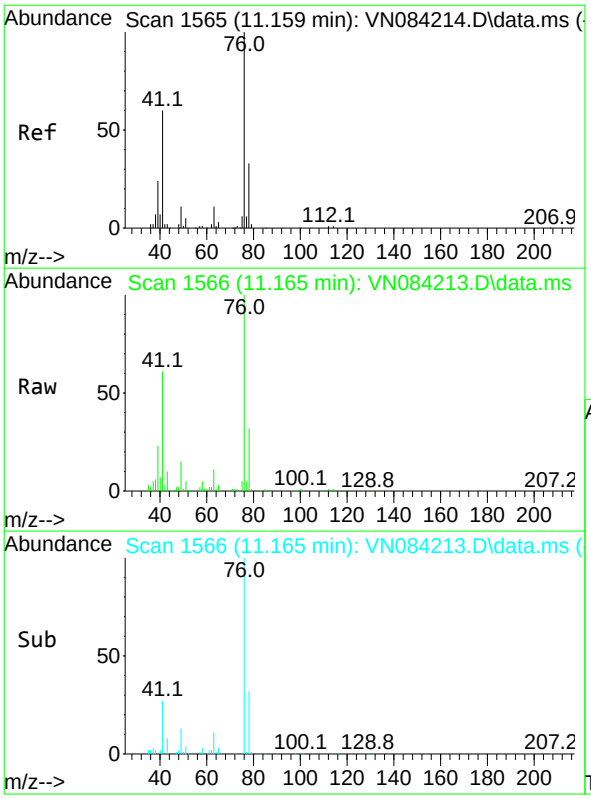


#56
Ethyl methacrylate
Concen: 103.608 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

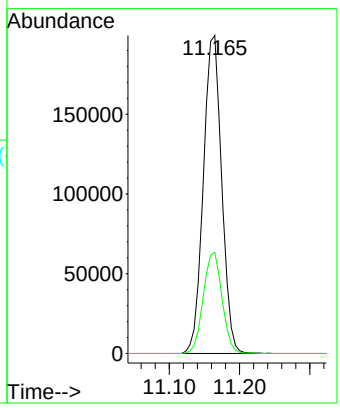




#57
1,3-Dichloropropane
Concen: 95.326 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 76 Resp: 360601

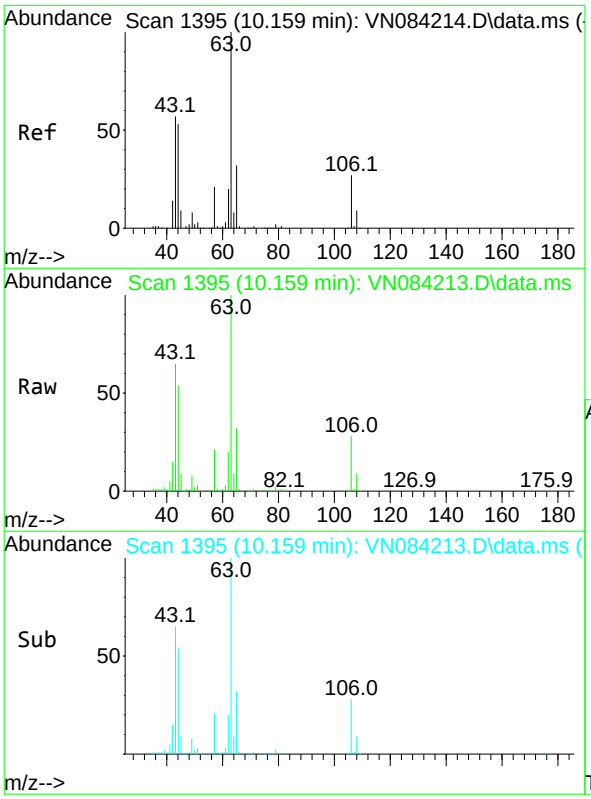
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

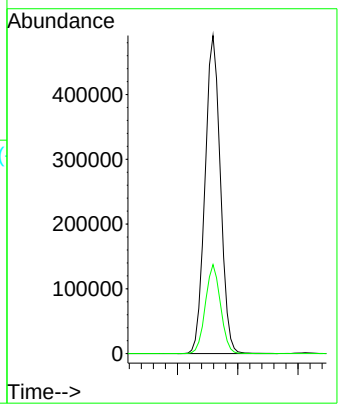
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

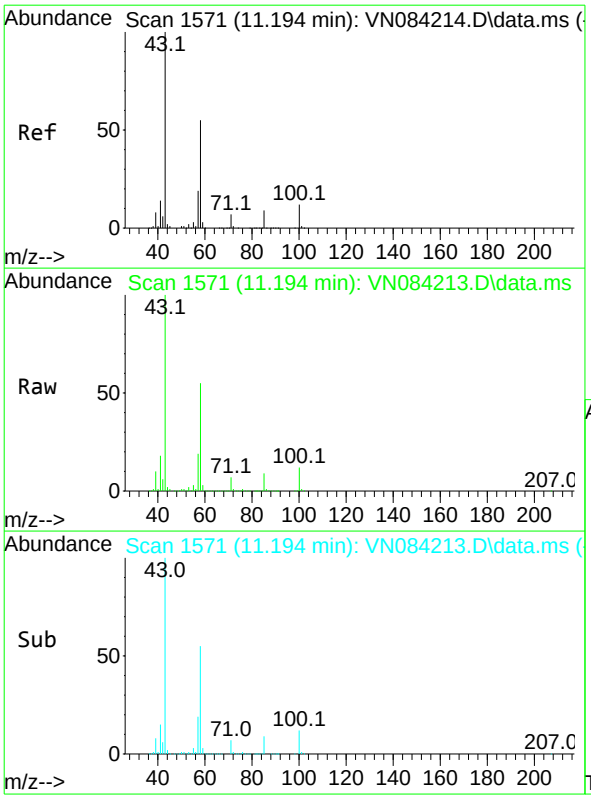


#58
2-Chloroethyl Vinyl ether
Concen: 538.640 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 870416

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6

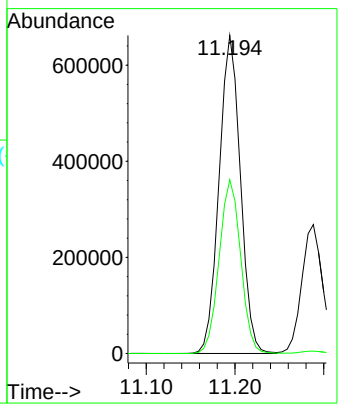




#59
2-Hexanone
Concen: 487.363 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 1105736

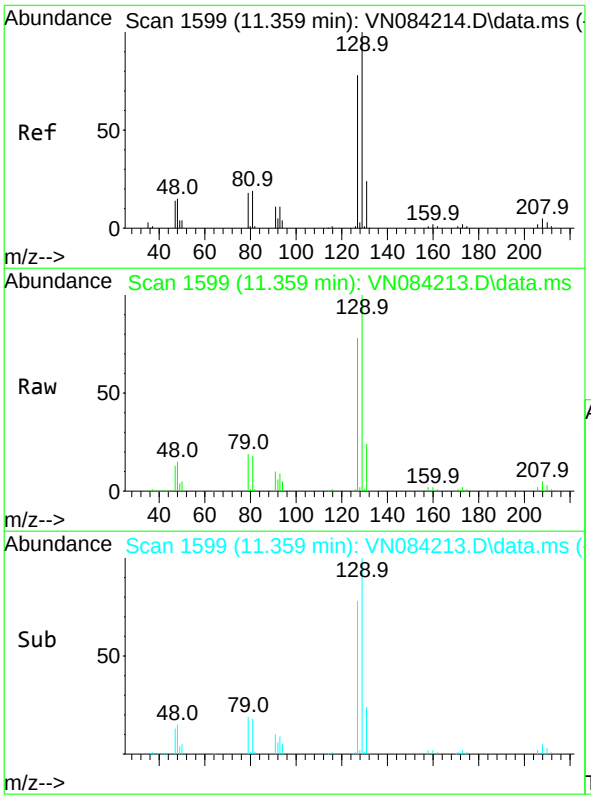
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

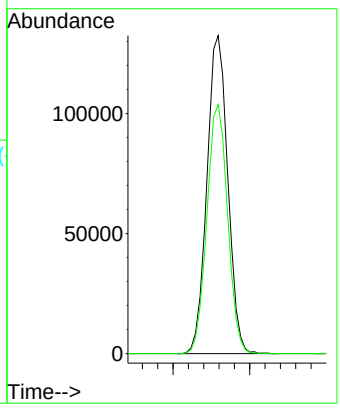
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

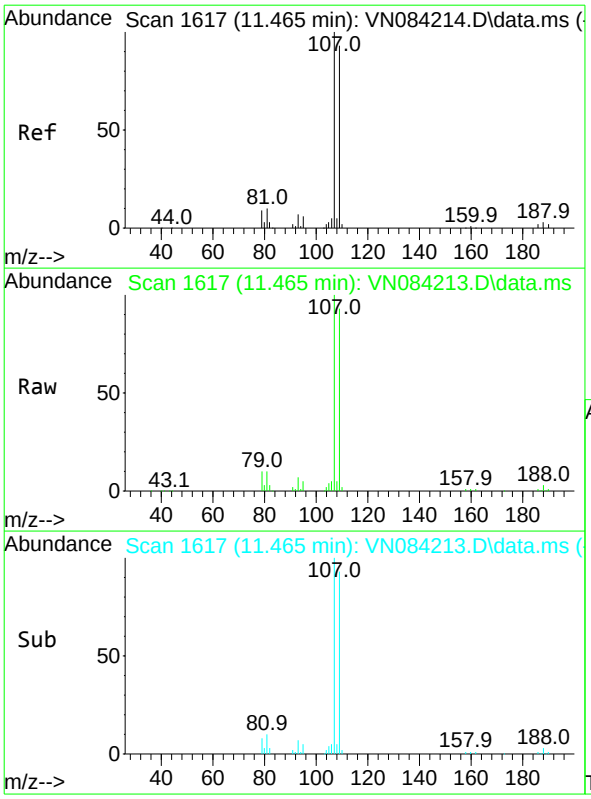


#60
Dibromochloromethane
Concen: 99.721 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:129 Resp: 249435

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9

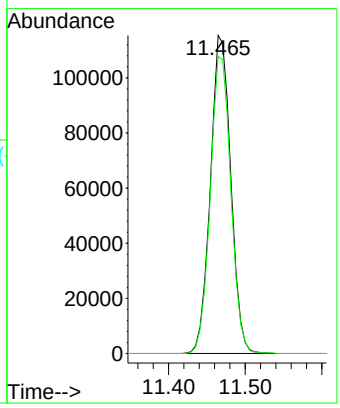




#61
1,2-Dibromoethane
Concen: 96.694 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:107 Resp: 212705

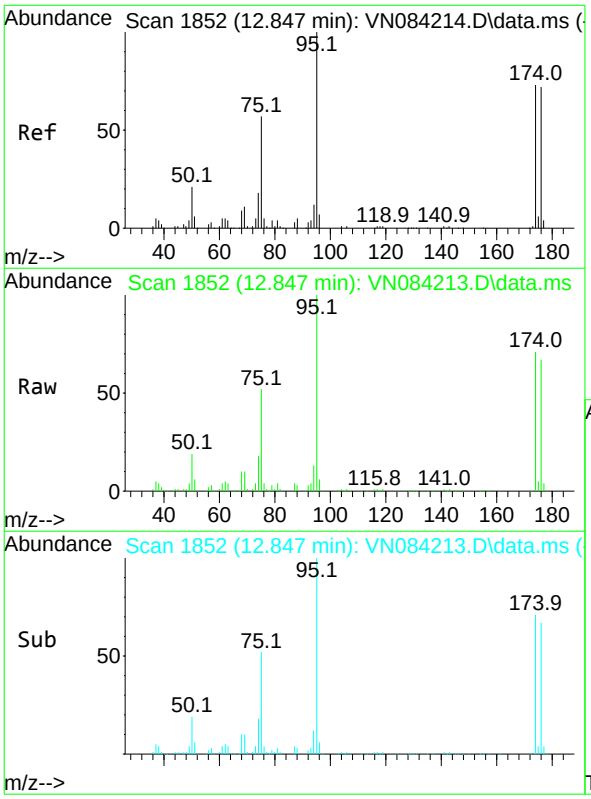
Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

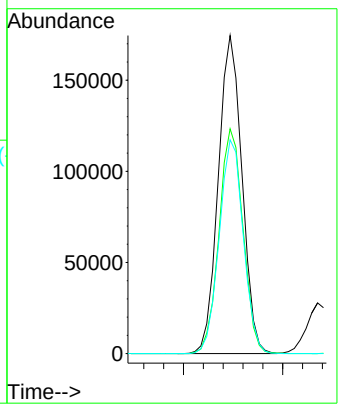
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

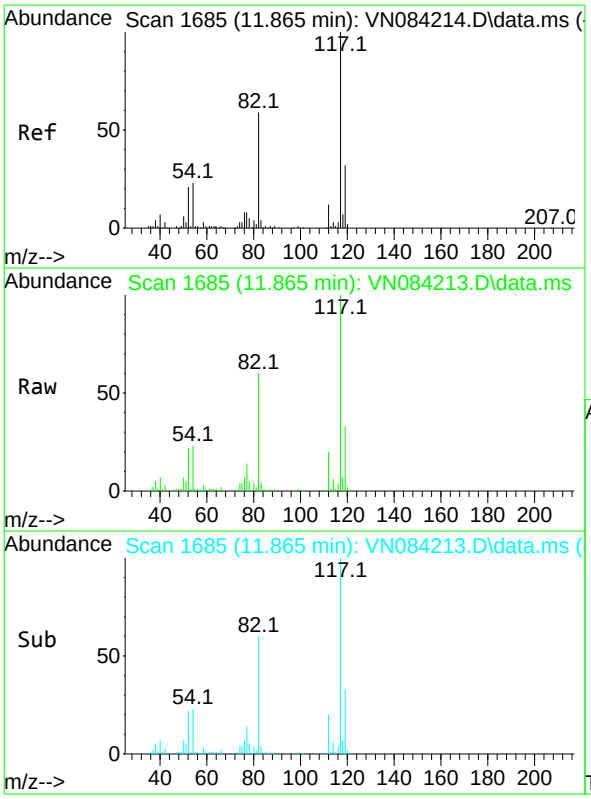


#62
4-Bromofluorobenzene
Concen: 101.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

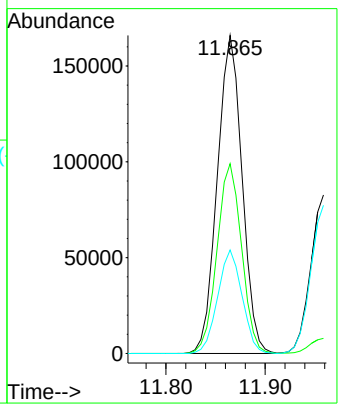




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 288467

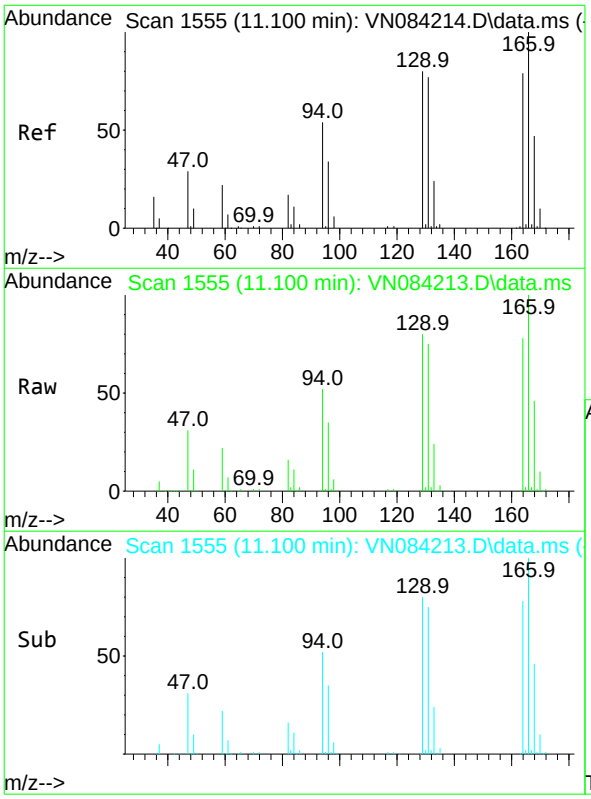
Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.2	70.8
119	32.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

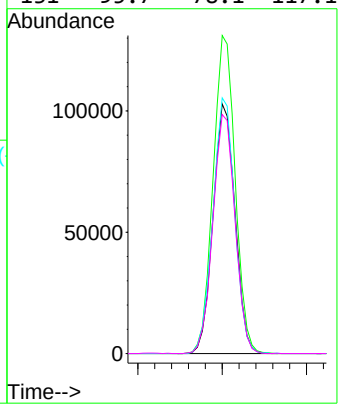
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

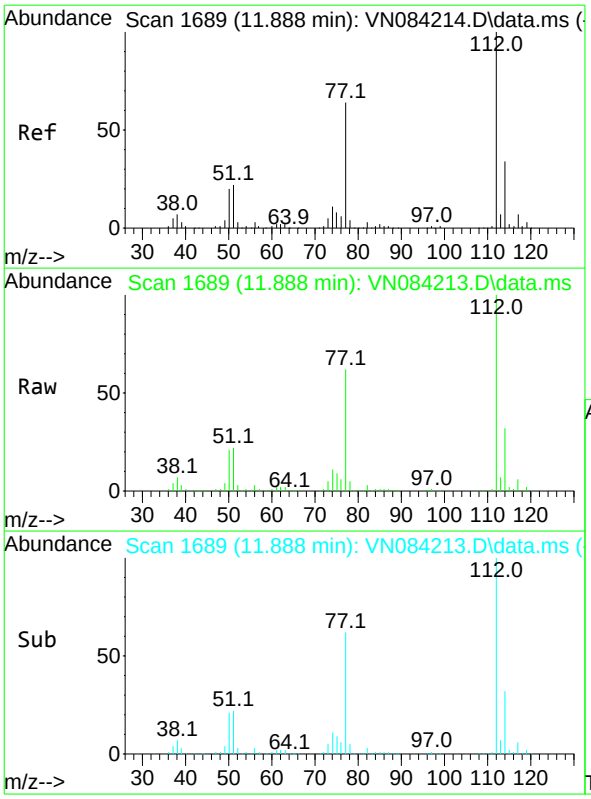


#64
Tetrachloroethene
Concen: 92.608 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

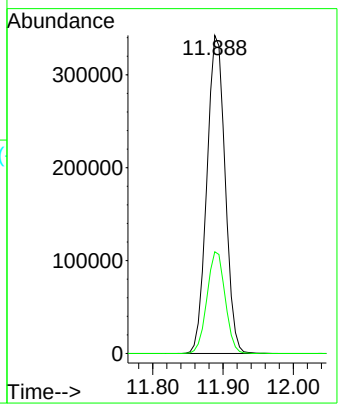




#65
Chlorobenzene
Concen: 96.376 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:112 Resp: 616423

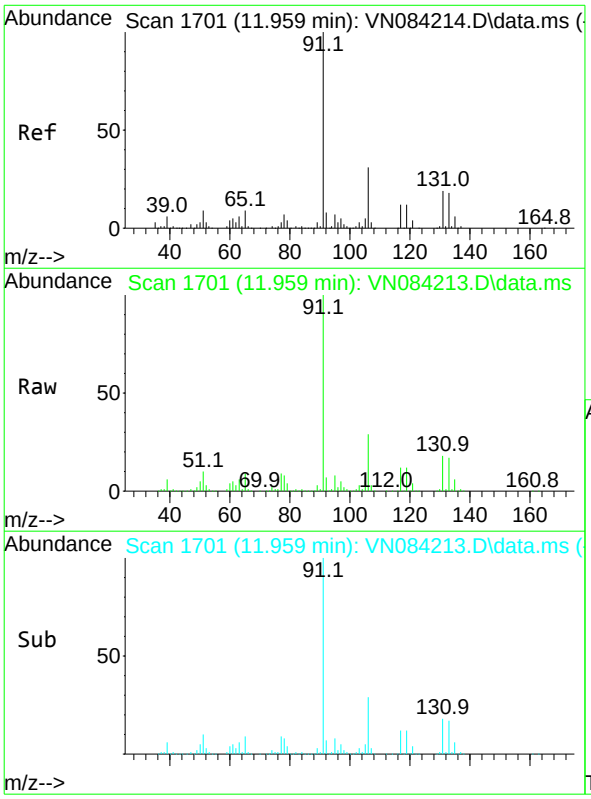
Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

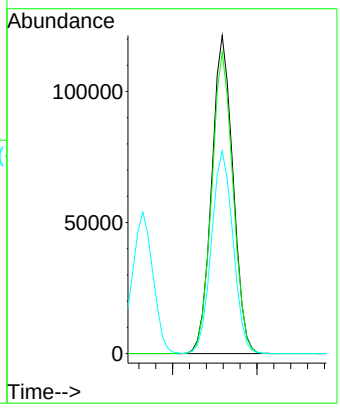
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

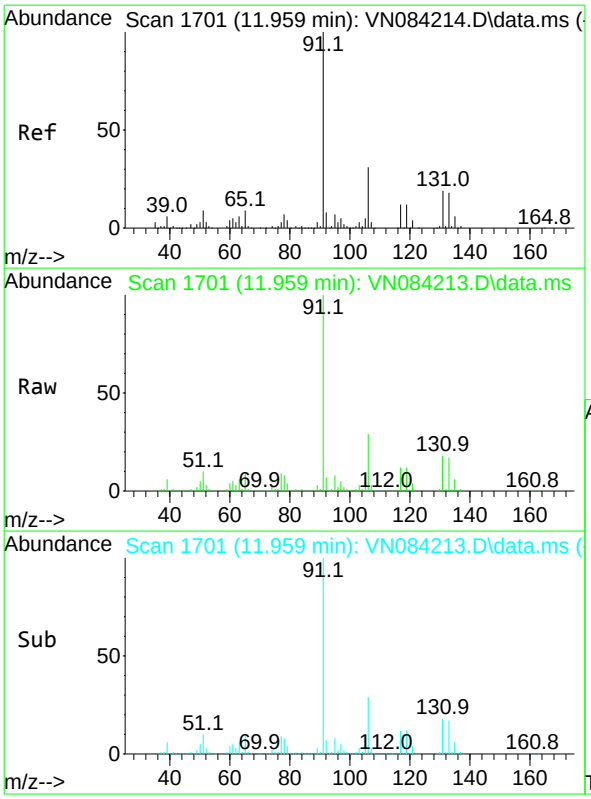


#66
1,1,1,2-Tetrachloroethane
Concen: 96.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

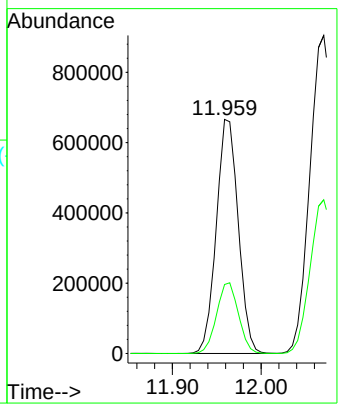




#67
Ethyl Benzene
Concen: 101.385 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1146786

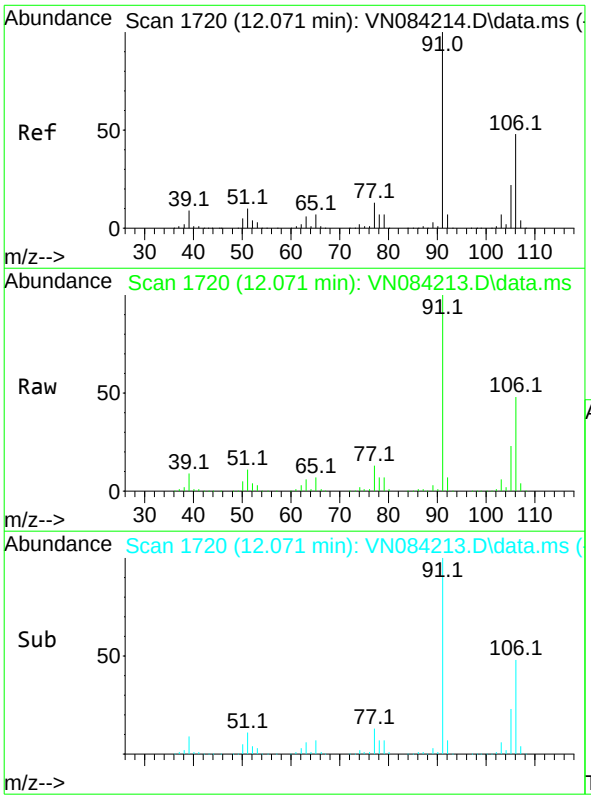
Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

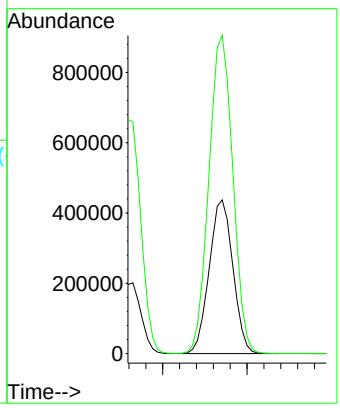
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

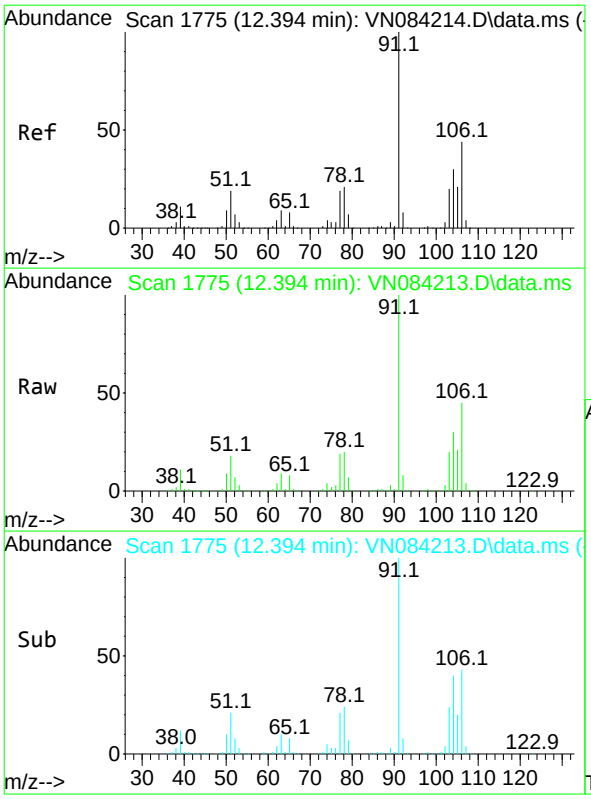


#68
m/p-Xylenes
Concen: 204.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 855381

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7

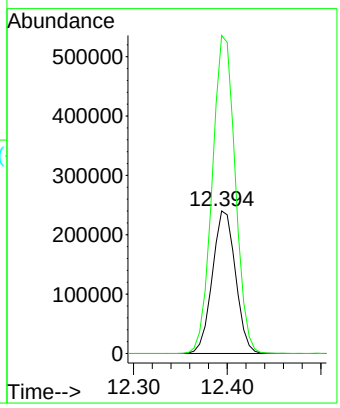




#69
o-Xylene
Concen: 104.101 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 412098

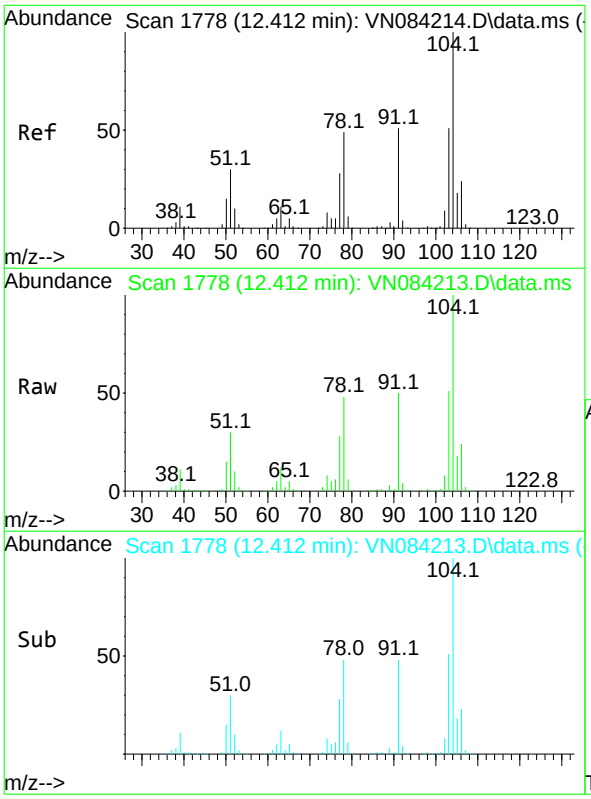
Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

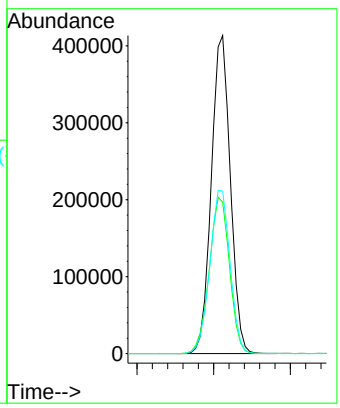
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

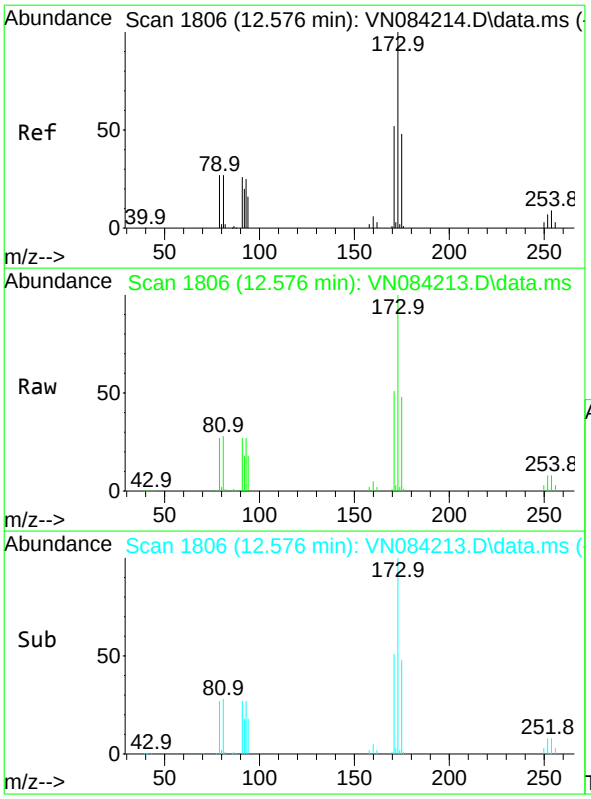


#70
Styrene
Concen: 106.165 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

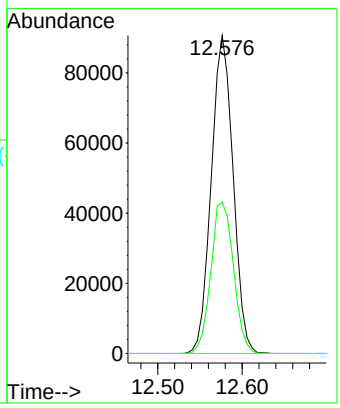




#71
Bromoform
Concen: 100.412 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:173 Resp: 162862

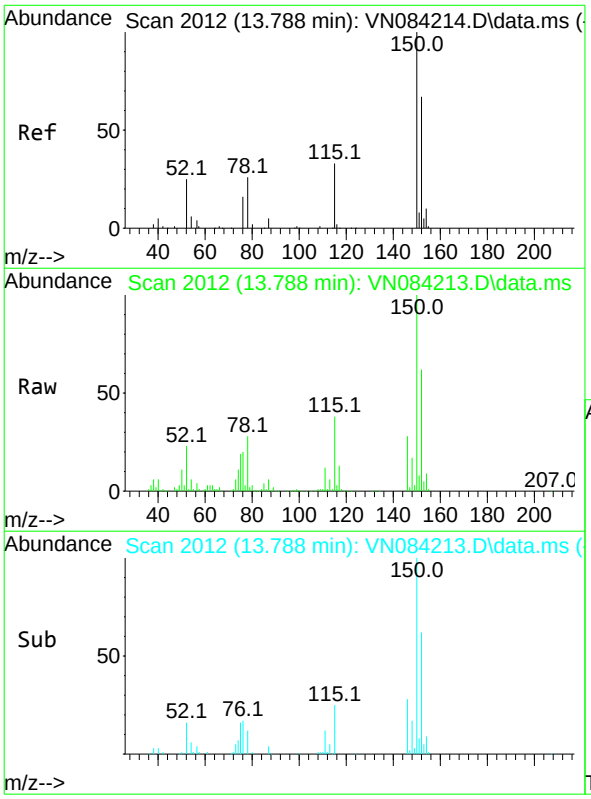
Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

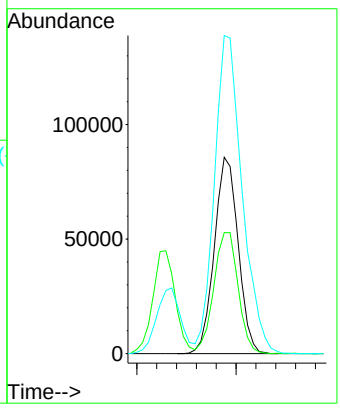
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

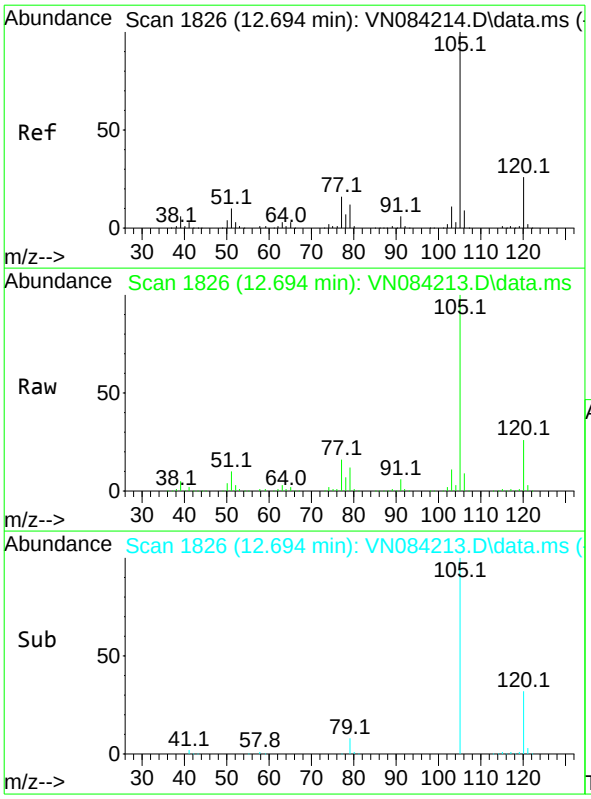


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

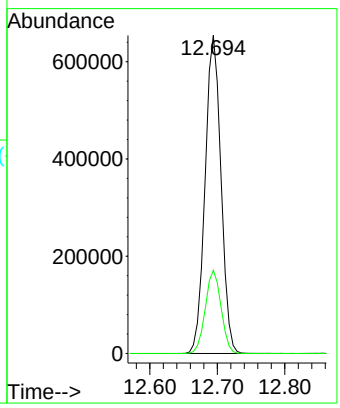




#73
Isopropylbenzene
Concen: 97.936 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 1067798

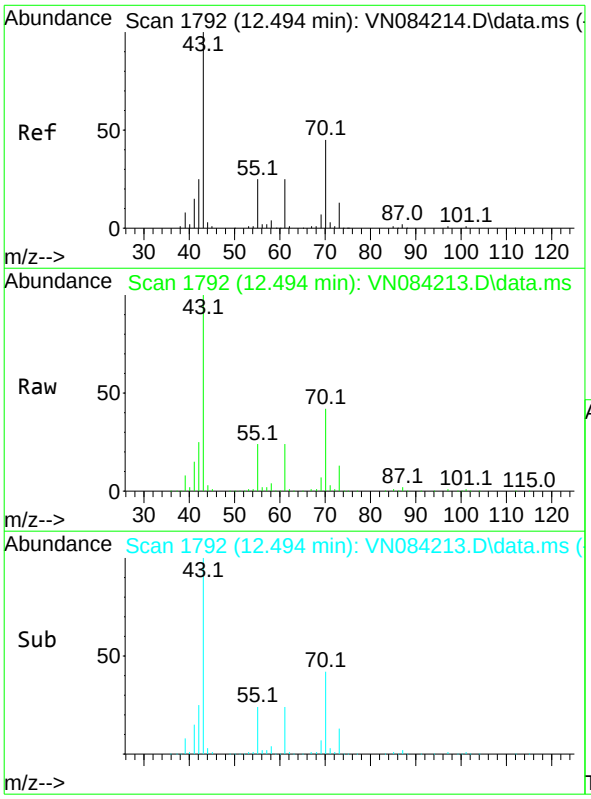
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

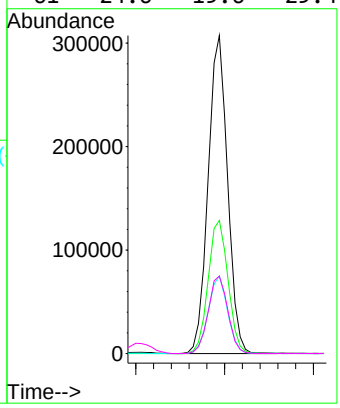
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

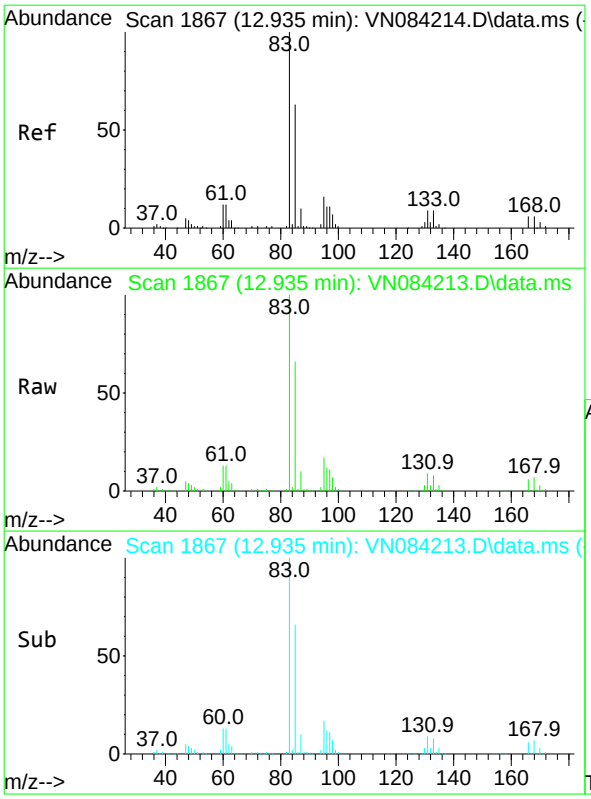


#74
N-amyl acetate
Concen: 94.716 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

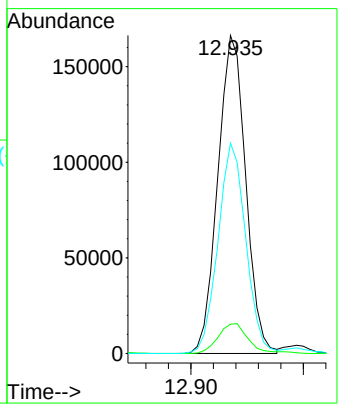




#75
1,1,2,2-Tetrachloroethane
Concen: 87.285 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 286161

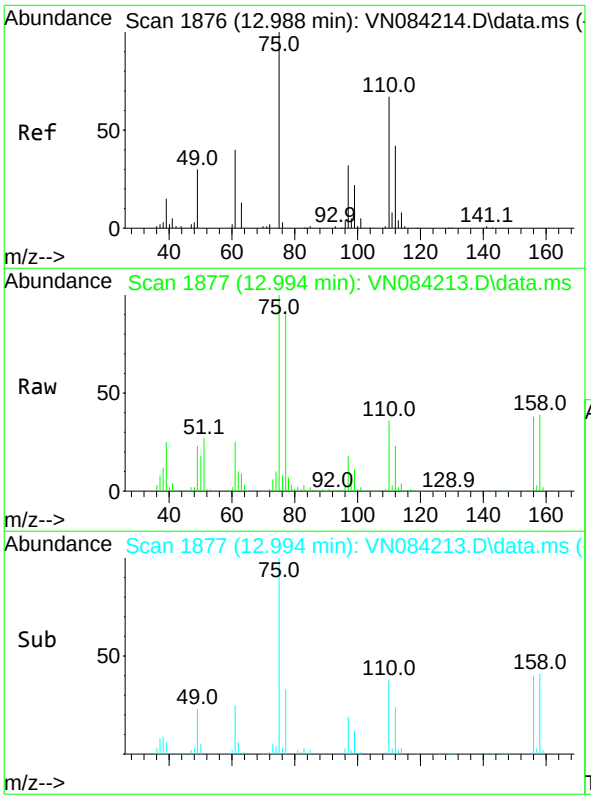
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

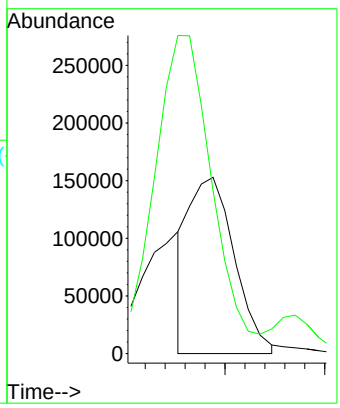
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

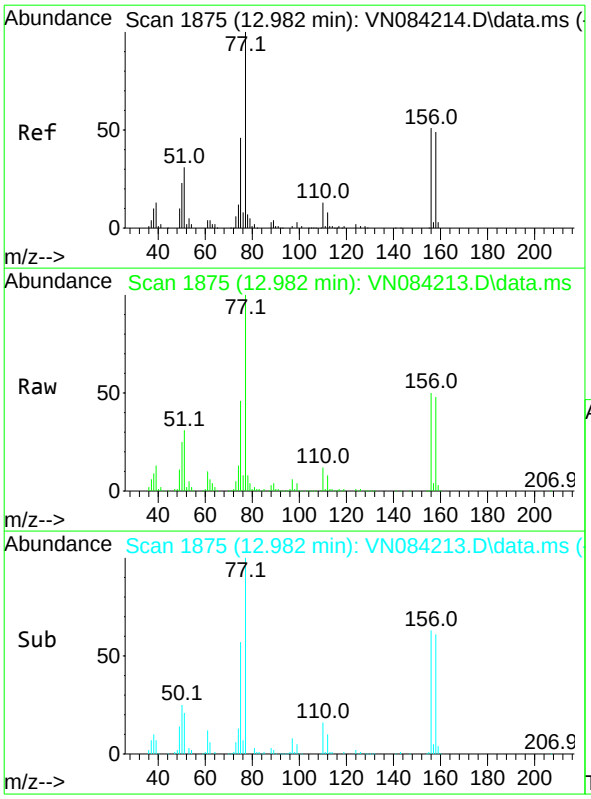


#76
1,2,3-Trichloropropane
Concen: 85.433 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 243293

Ion	Ratio	Lower	Upper
75	100		
77	229.8	96.9	290.7

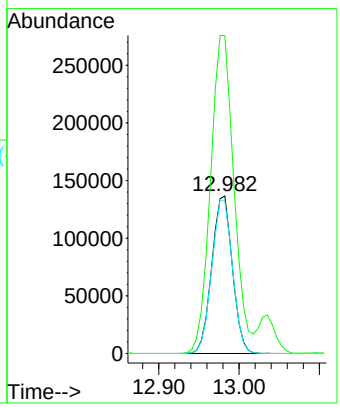




#77
Bromobenzene
Concen: 92.425 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:156 Resp: 243075

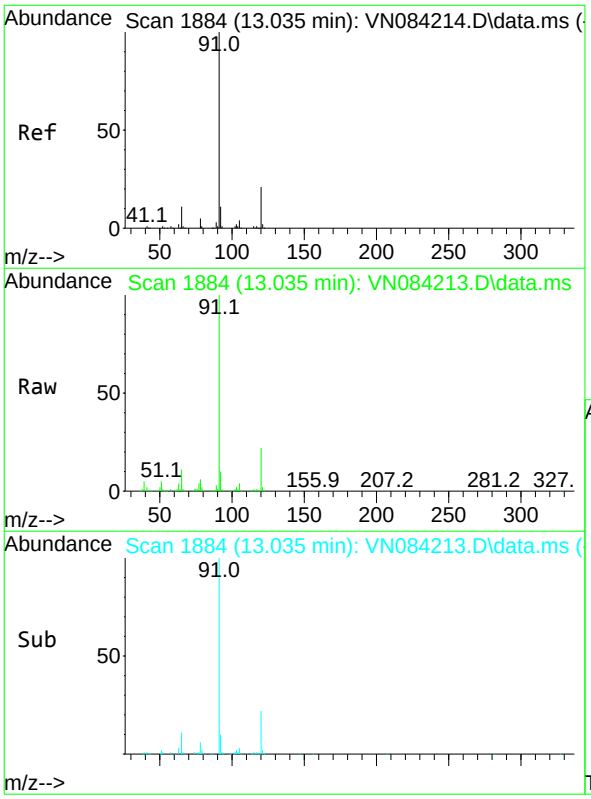
Ion	Ratio	Lower	Upper
156	100		
77	230.0	115.1	345.3
158	98.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

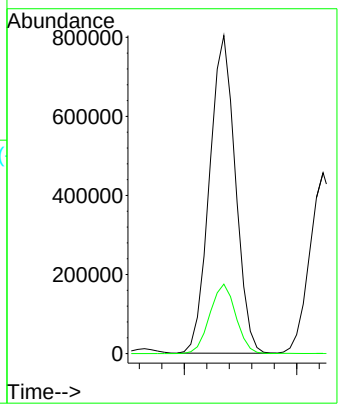
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

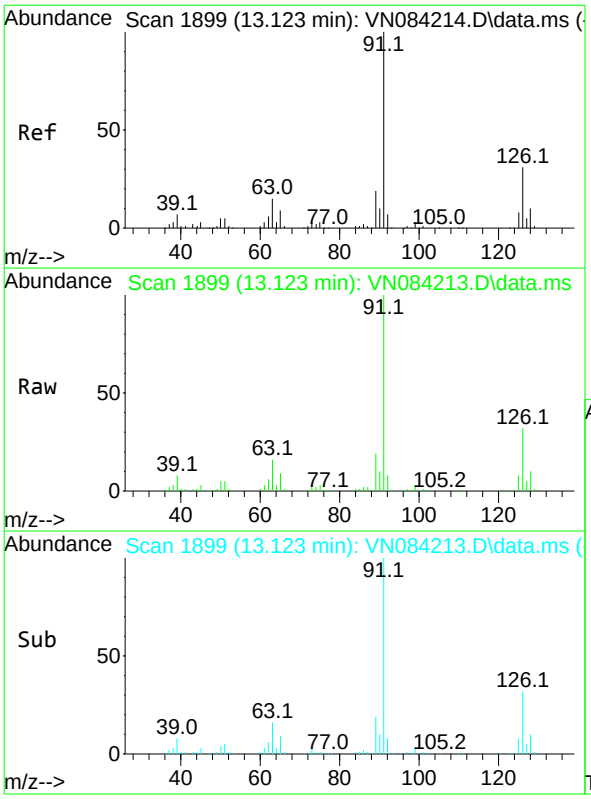


#78
n-propylbenzene
Concen: 101.754 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1285399

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

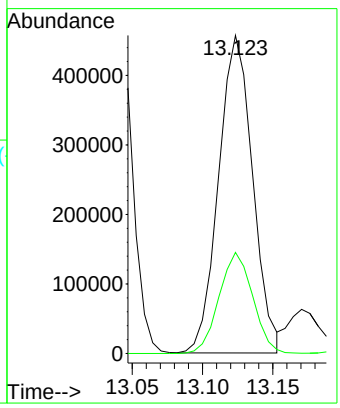




#79
2-Chlorotoluene
Concen: 95.567 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 770341

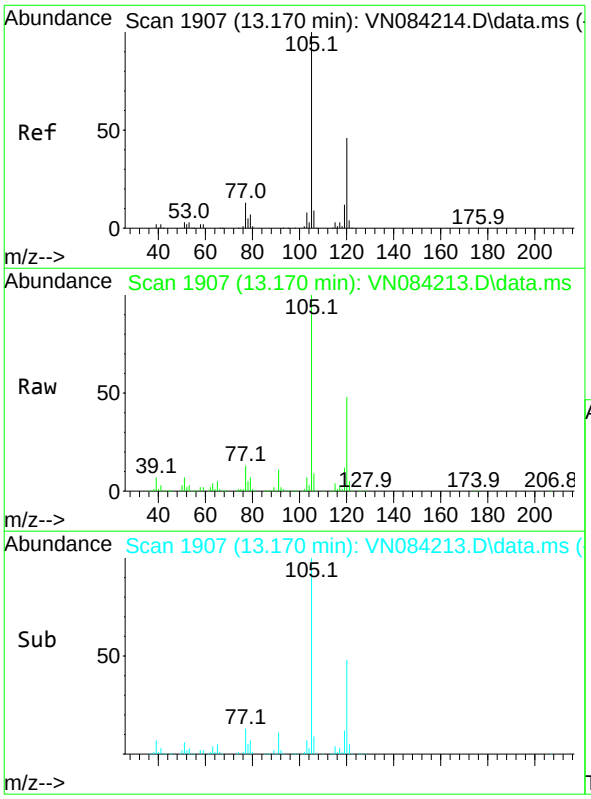
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

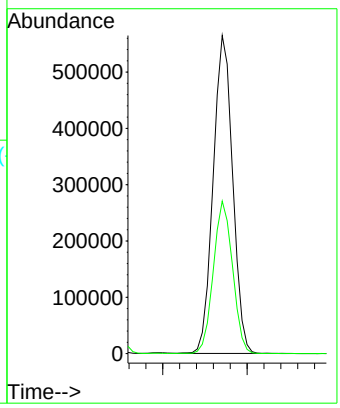
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

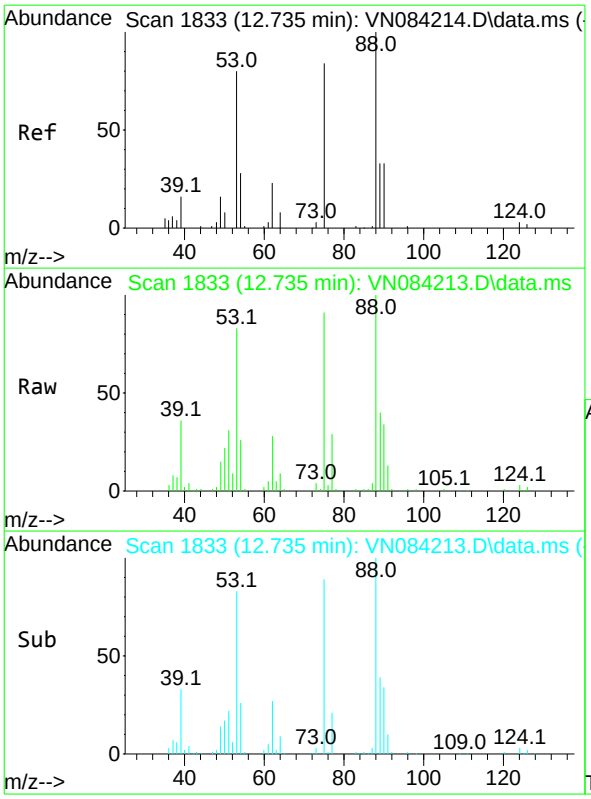


#80
1,3,5-Trimethylbenzene
Concen: 101.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 905999

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1

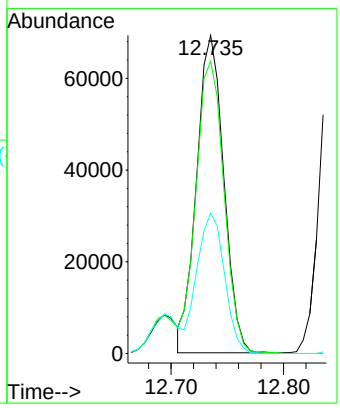




#81
trans-1,4-Dichloro-2-butene
Concen: 95.579 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 116289

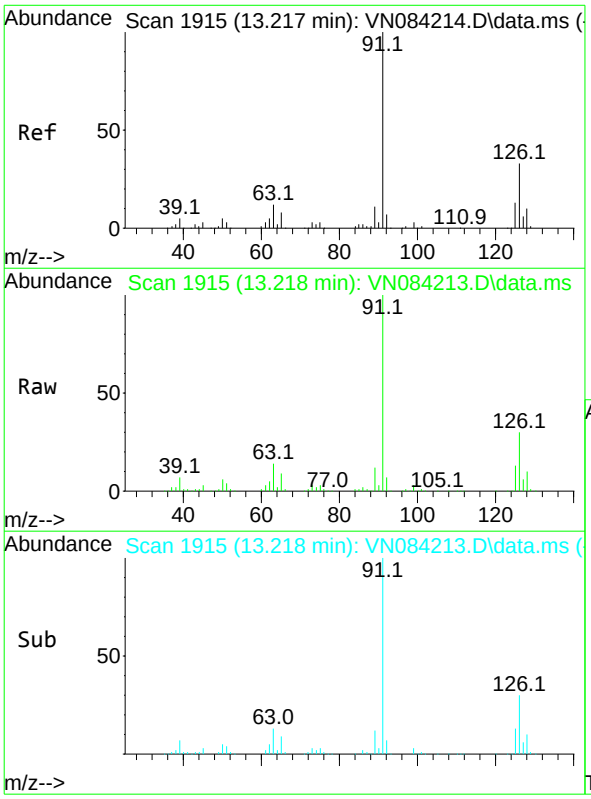
Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.0	117.0
89	44.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

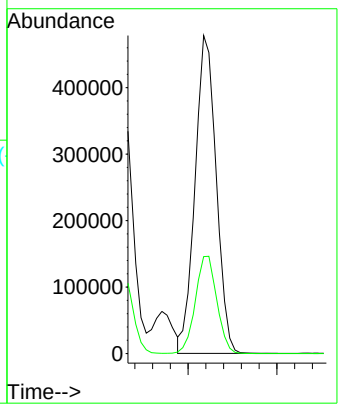
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

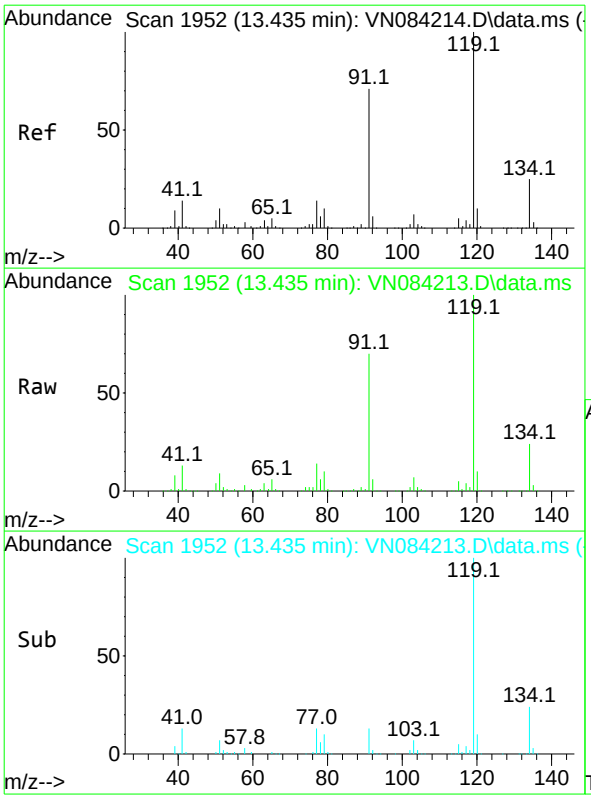


#82
4-Chlorotoluene
Concen: 97.362 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 790045

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1

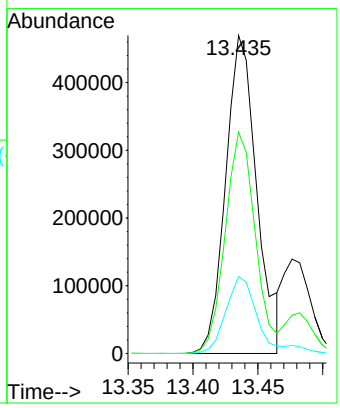




#83
tert-Butylbenzene
Concen: 99.349 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:119 Resp: 785331

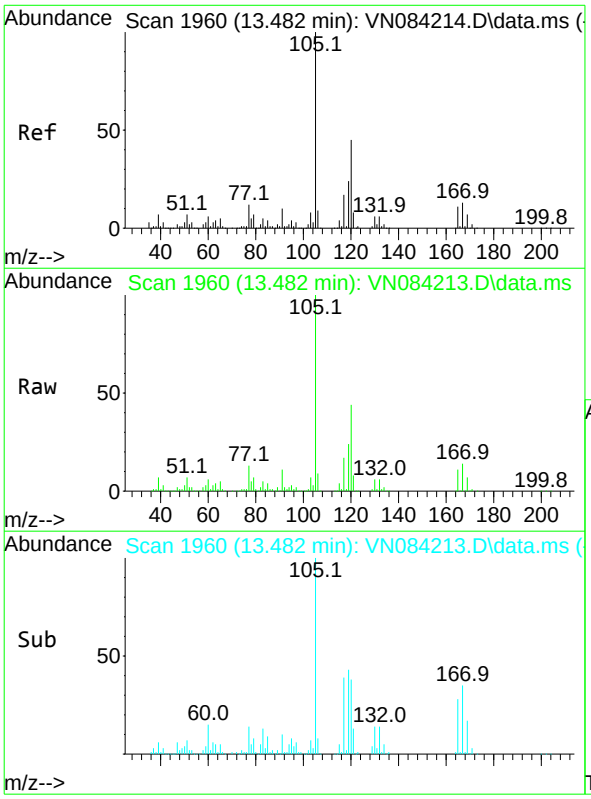
Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	25.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

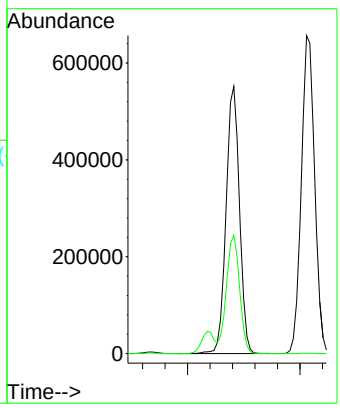
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

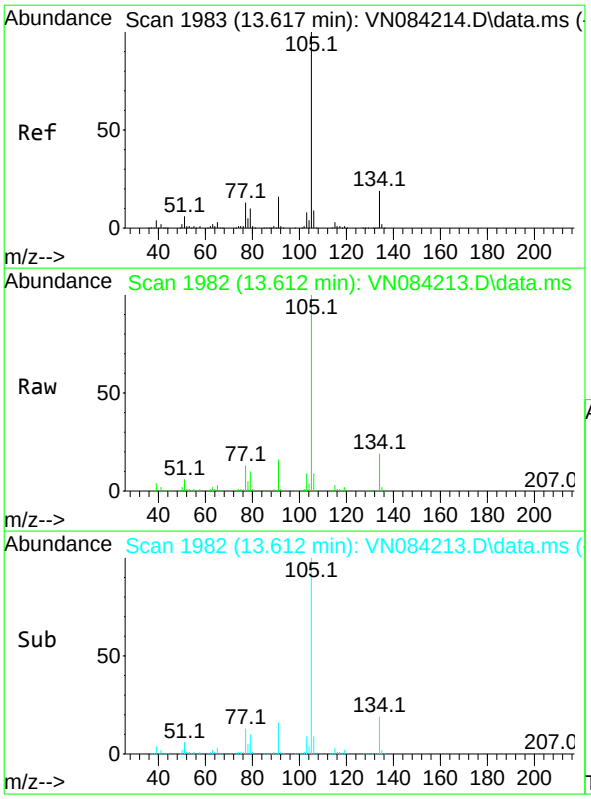


#84
1,2,4-Trimethylbenzene
Concen: 101.908 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 913037

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

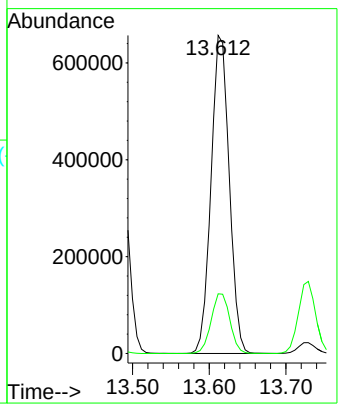




#85
sec-Butylbenzene
Concen: 102.580 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 1082055

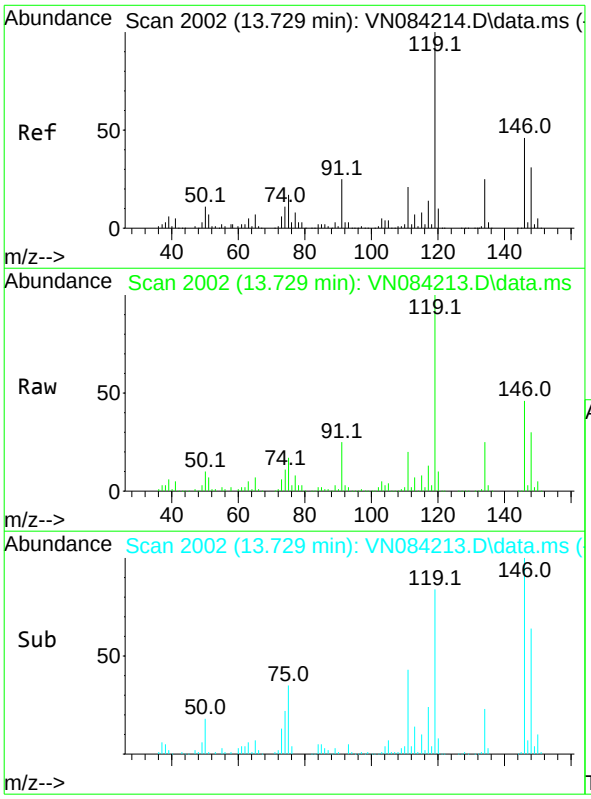
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

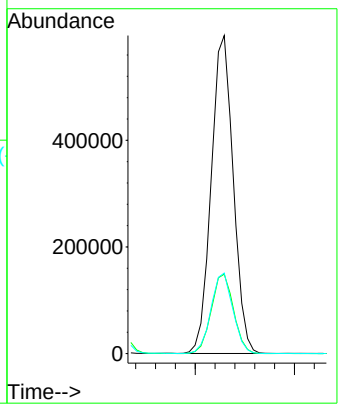
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

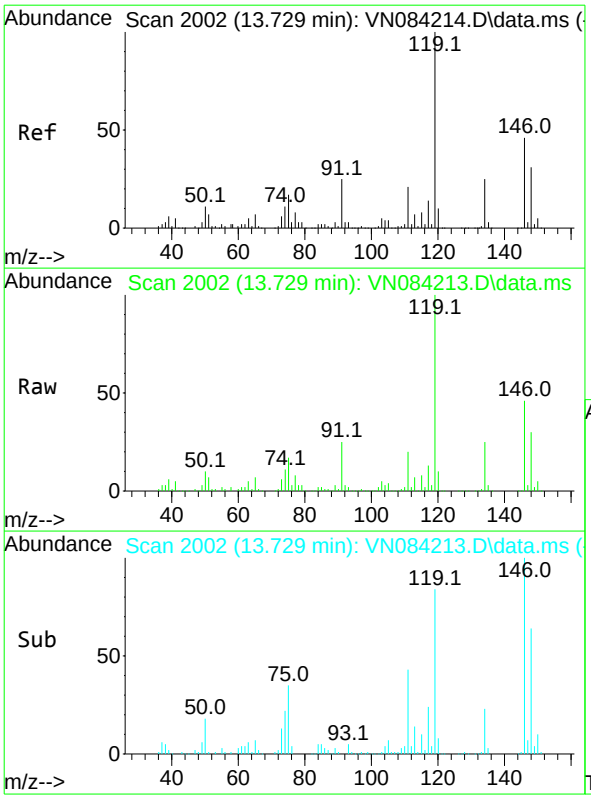


#86
p-Isopropyltoluene
Concen: 105.328 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

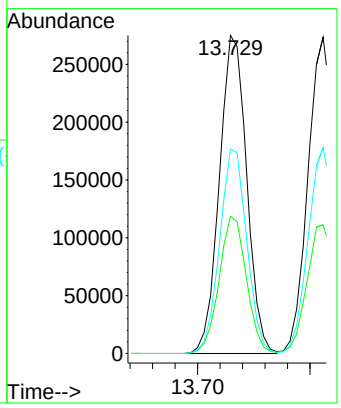




#87
1,3-Dichlorobenzene
Concen: 94.046 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 463998

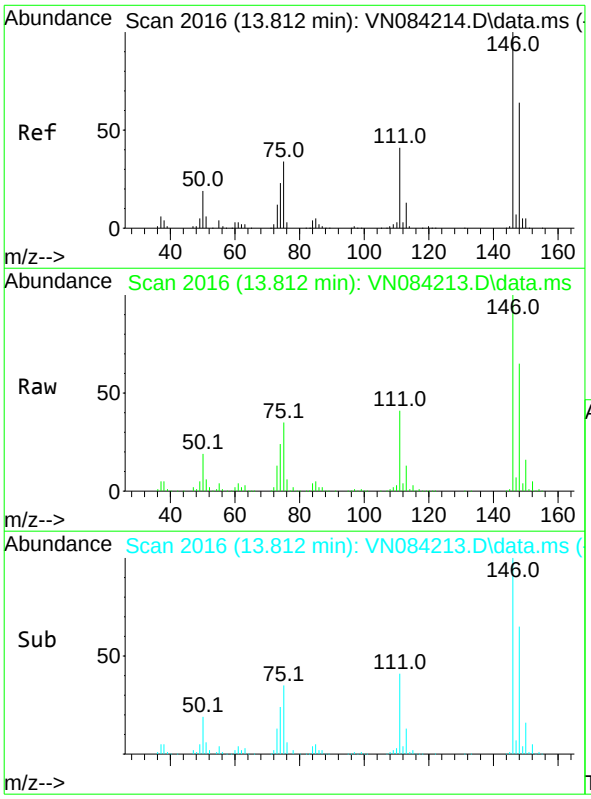
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

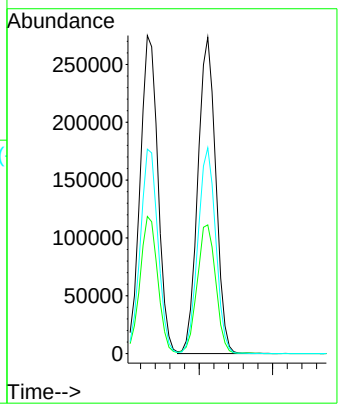
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

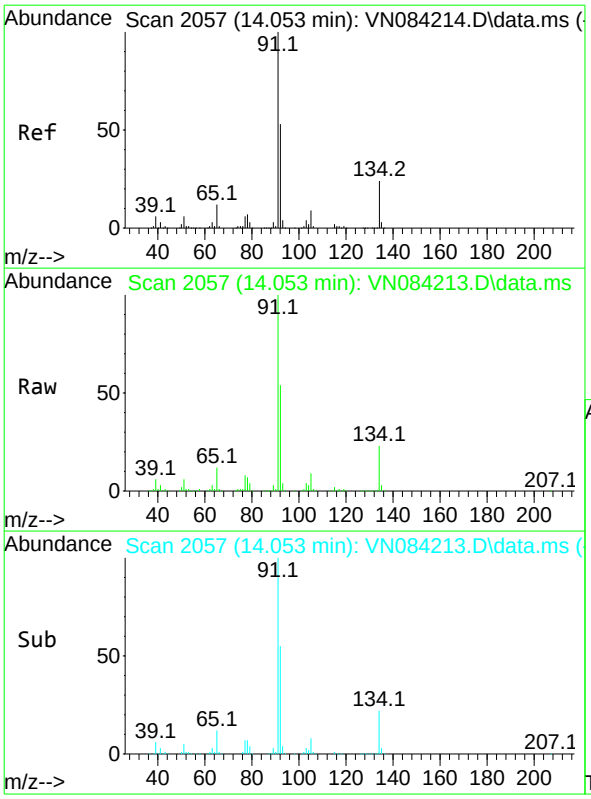


#88
1,4-Dichlorobenzene
Concen: 93.346 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

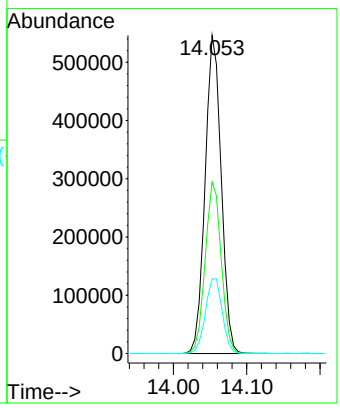




#89
n-Butylbenzene
Concen: 105.197 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 832034

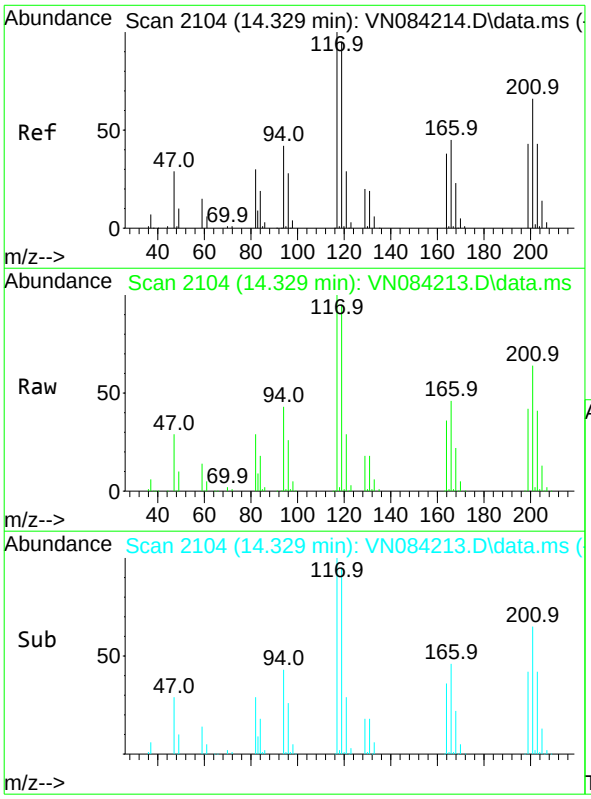
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

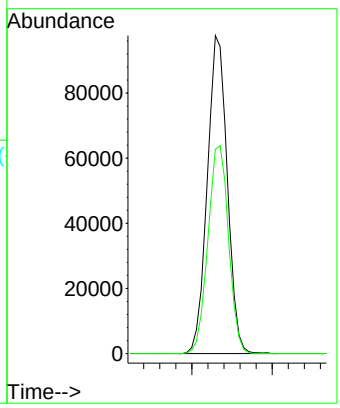
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

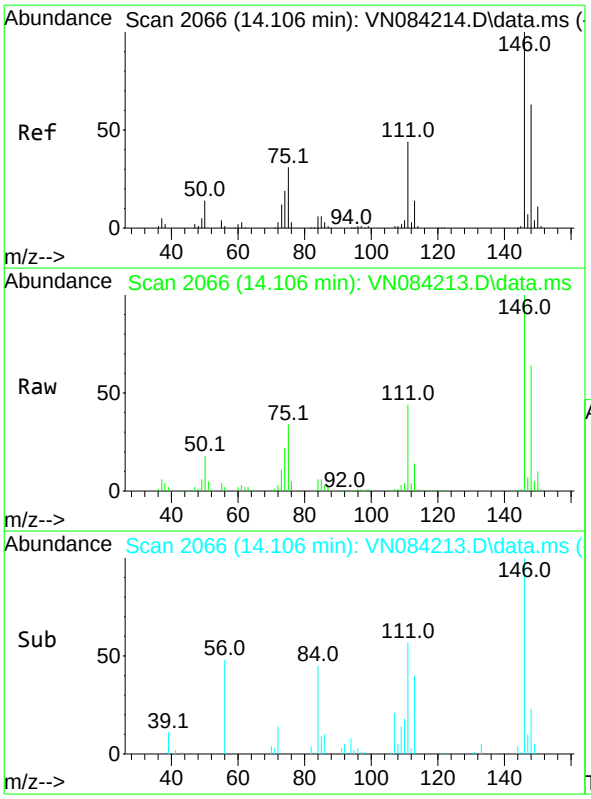


#90
Hexachloroethane
Concen: 95.289 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 168712

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

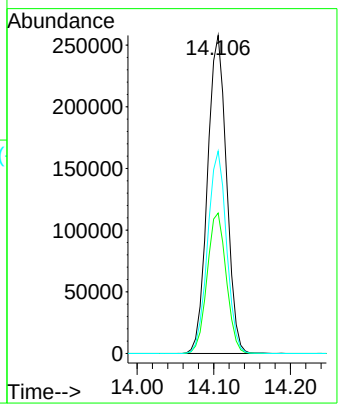




#91
1,2-Dichlorobenzene
Concen: 91.843 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:146 Resp: 444319

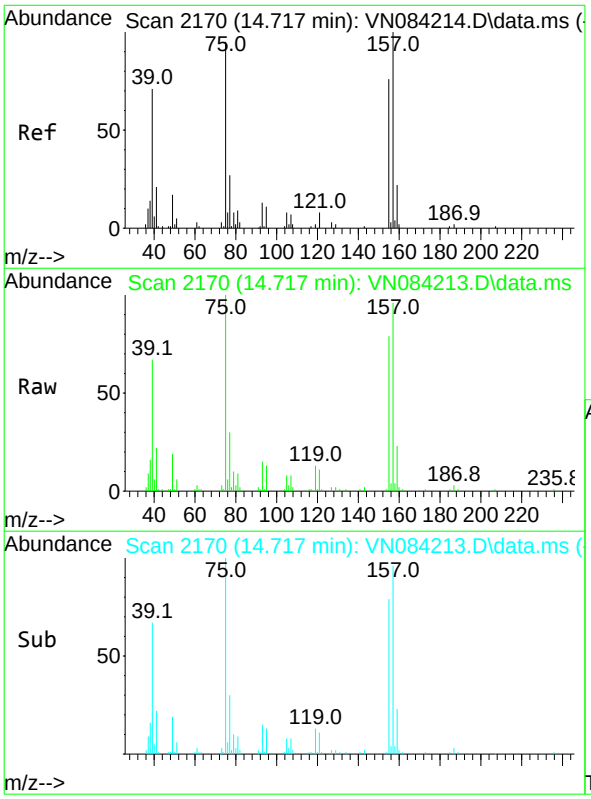
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

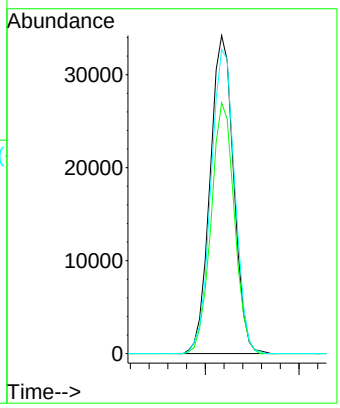
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

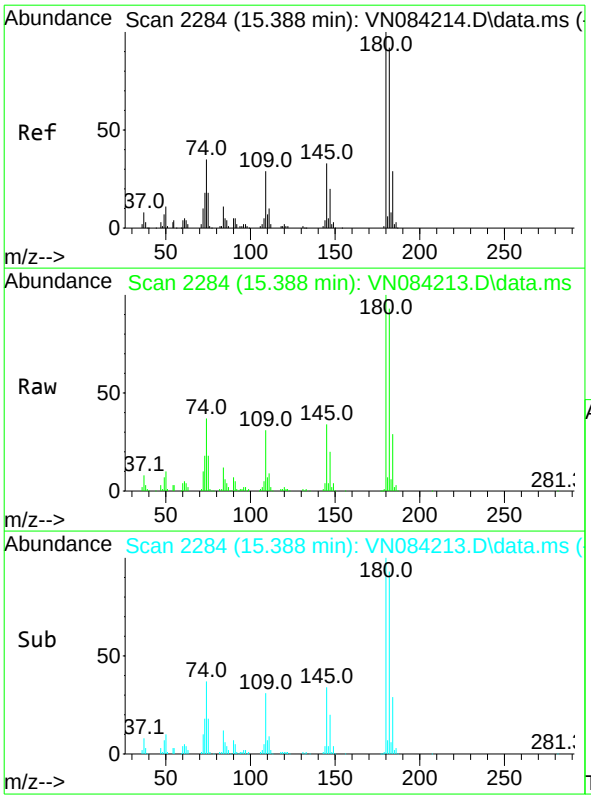


#92
1,2-Dibromo-3-Chloropropane
Concen: 88.446 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

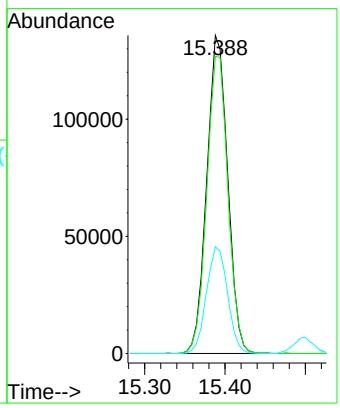




#93
1,2,4-Trichlorobenzene
Concen: 103.017 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:180 Resp: 245477

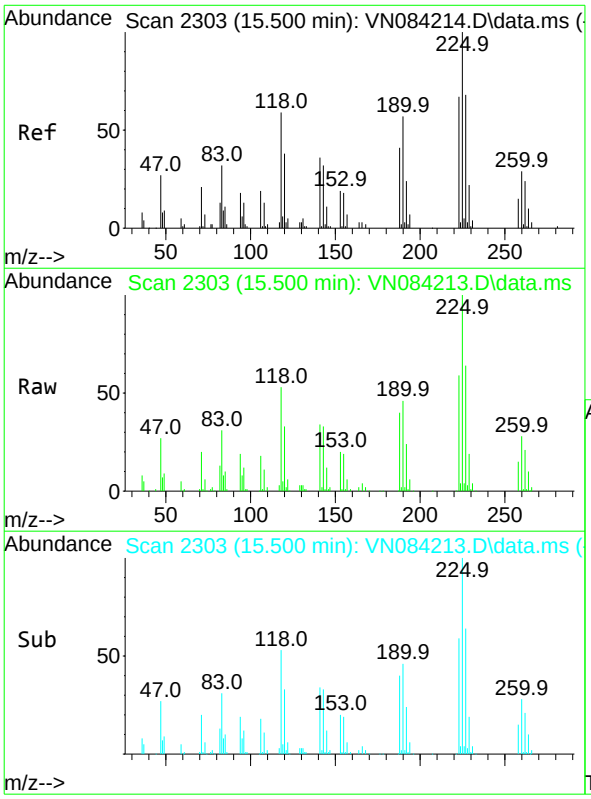
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

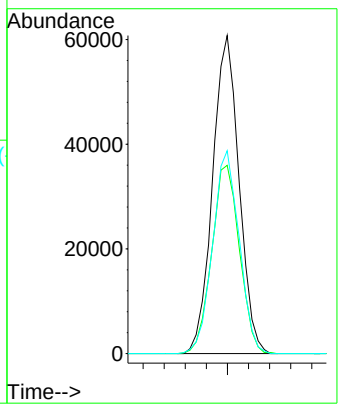
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

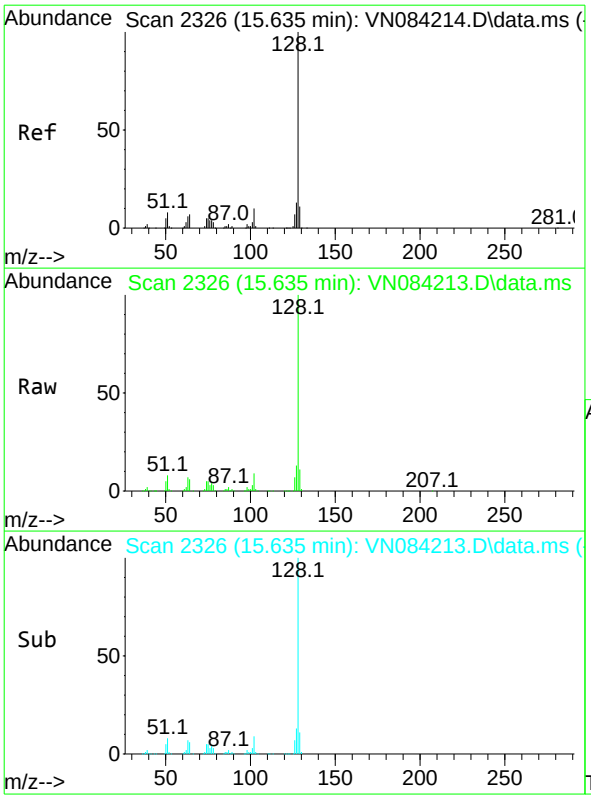


#94
Hexachlorobutadiene
Concen: 89.034 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

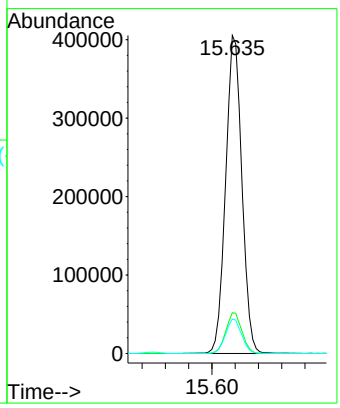




#95
Naphthalene
Concen: 99.356 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:128 Resp: 784876

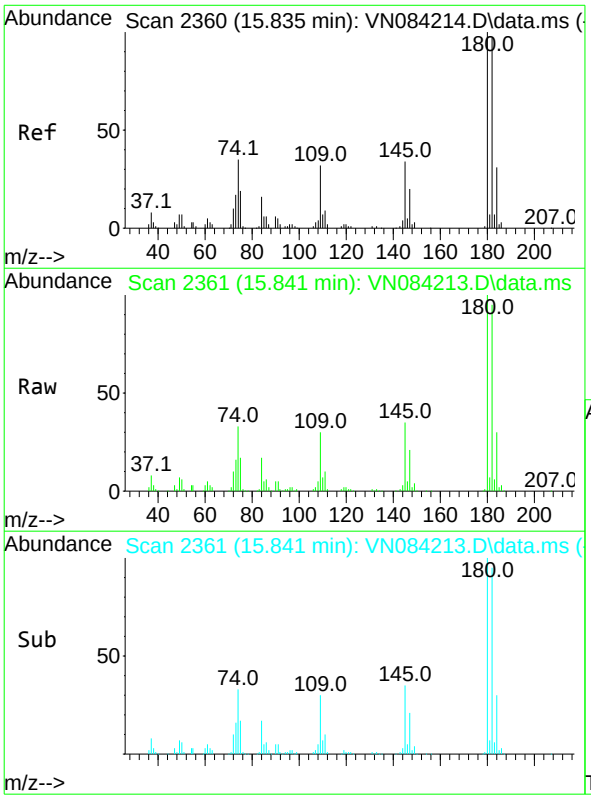
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

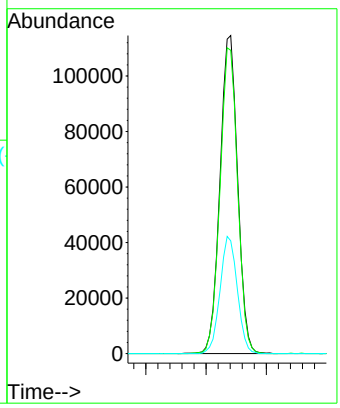
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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



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)
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

ICAL Form

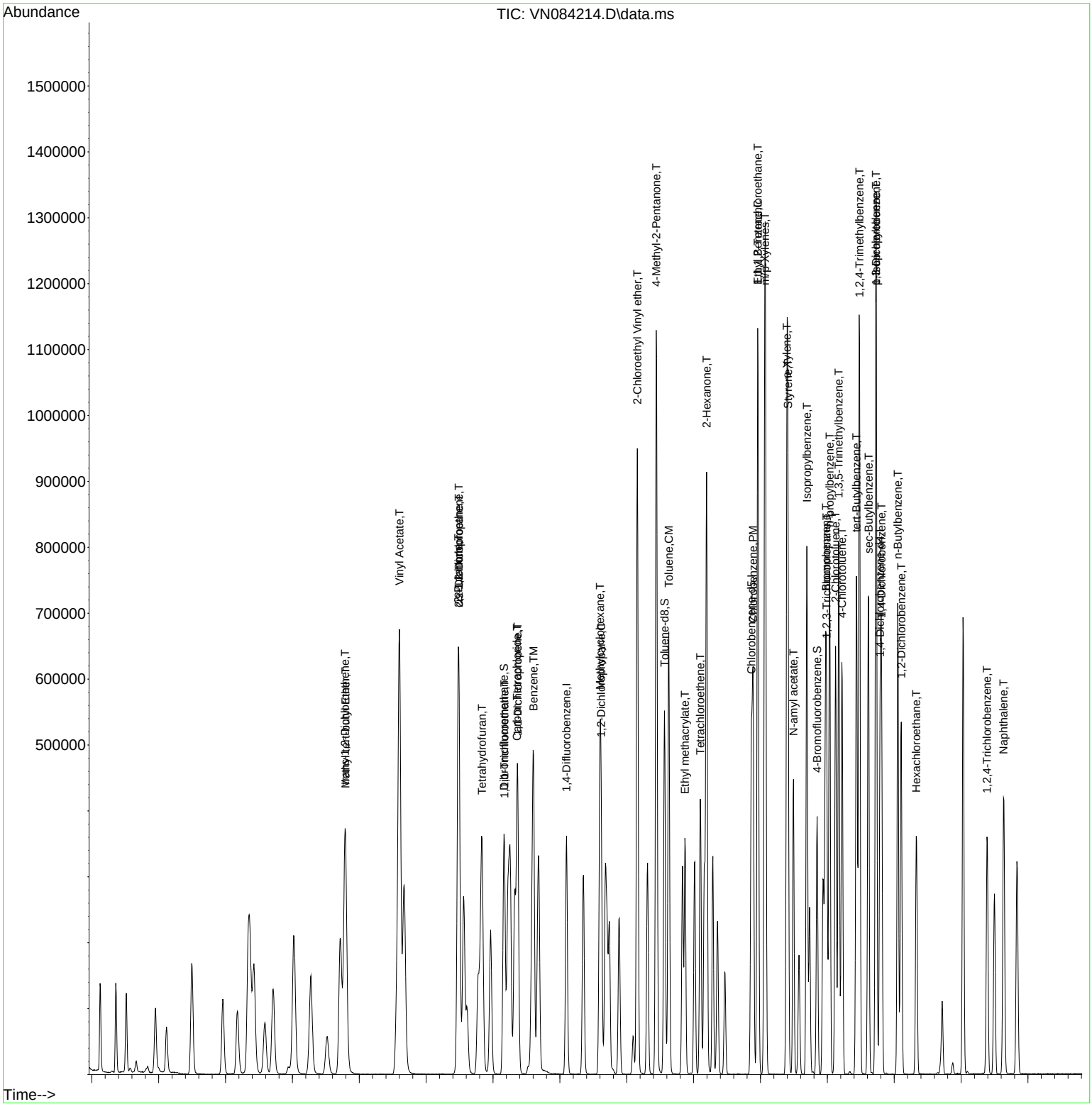
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084214.D
Acq On : 30 Sep 2024 12:49
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

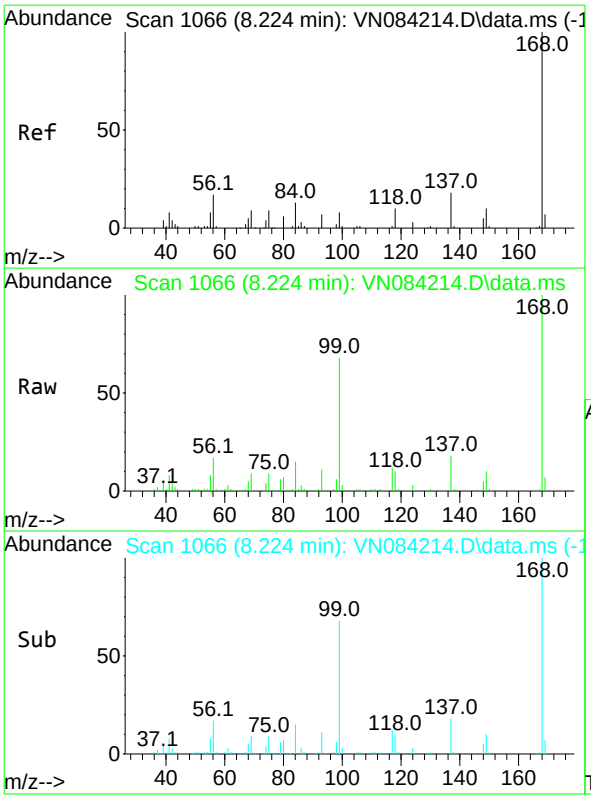
Quant Time: Oct 01 06:48:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

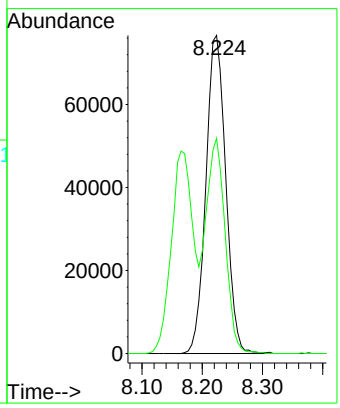




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:168 Resp: 175379

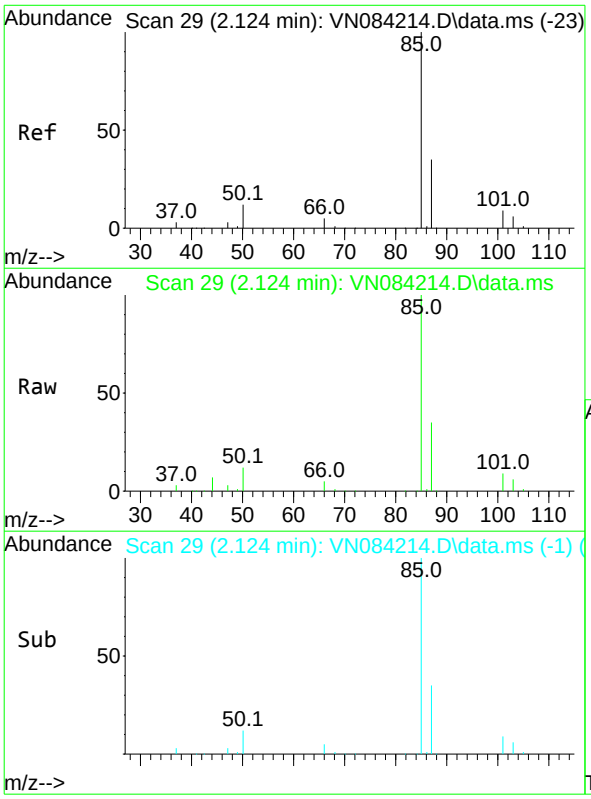
Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

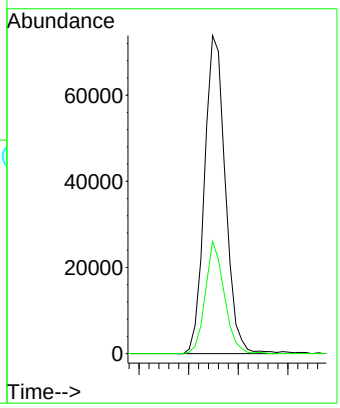
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

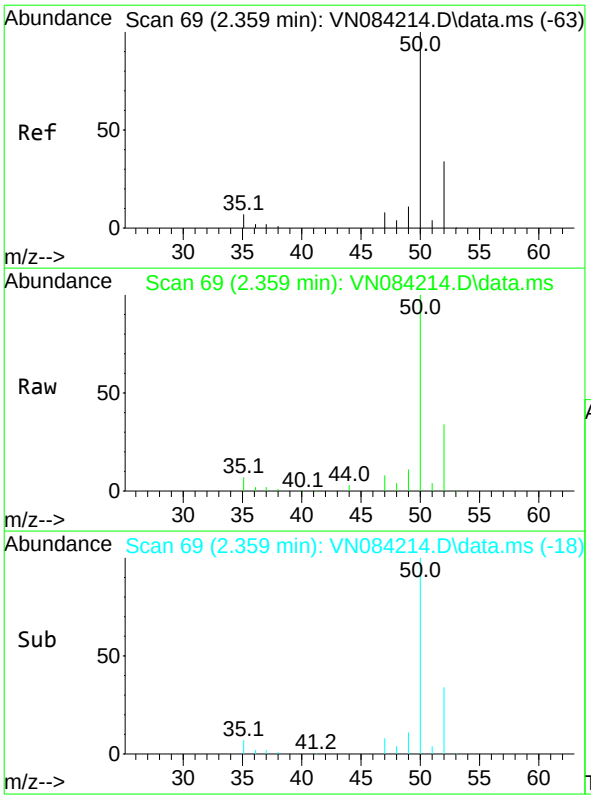


#2
Dichlorodifluoromethane
Concen: 51.835 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.6	52.9

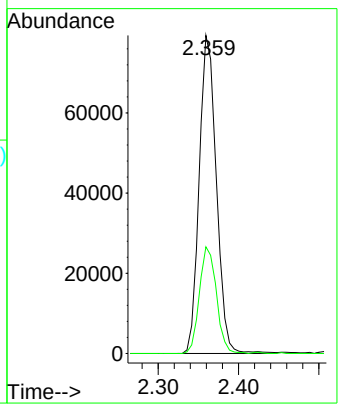




#3
Chloromethane
Concen: 49.686 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 50 Resp: 117689

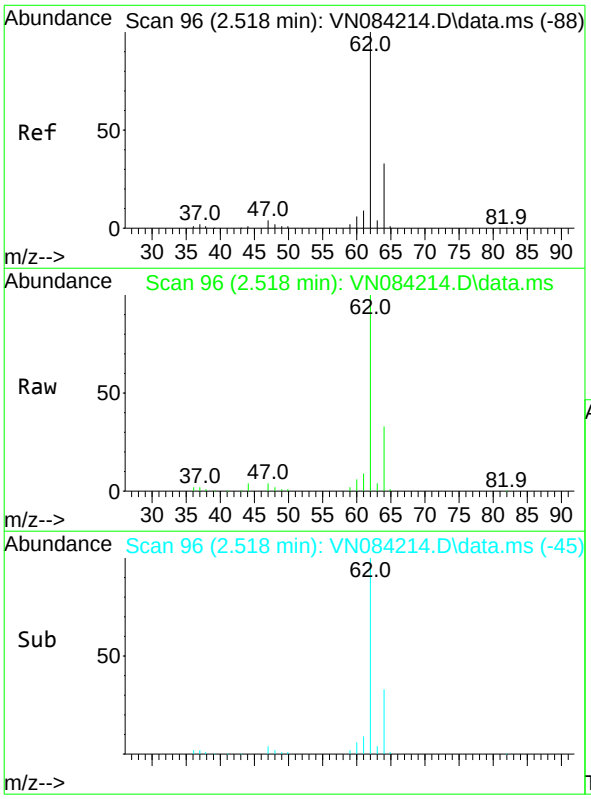
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

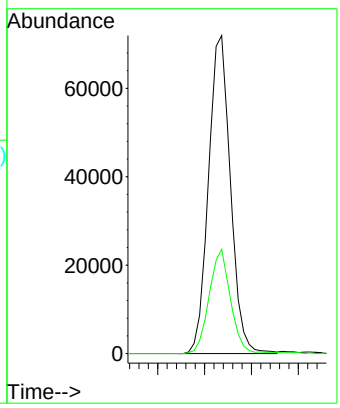
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

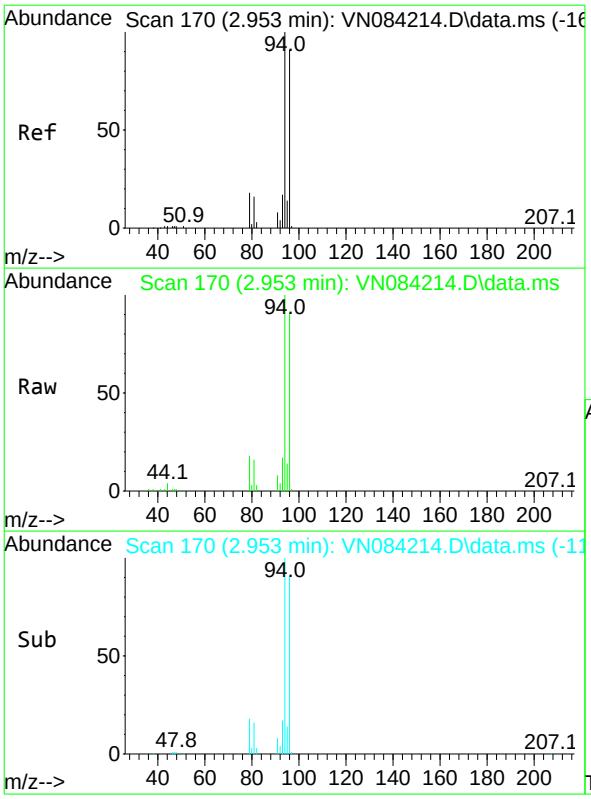


#4
Vinyl Chloride
Concen: 51.007 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 117031

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

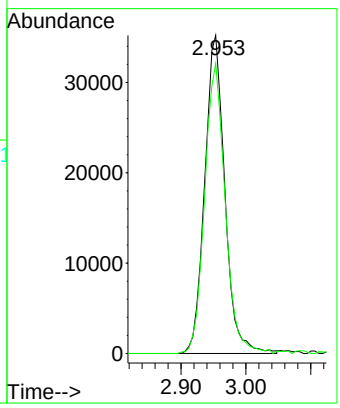




#5
Bromomethane
Concen: 50.118 ug/l
RT: 2.953 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 94 Resp: 75848

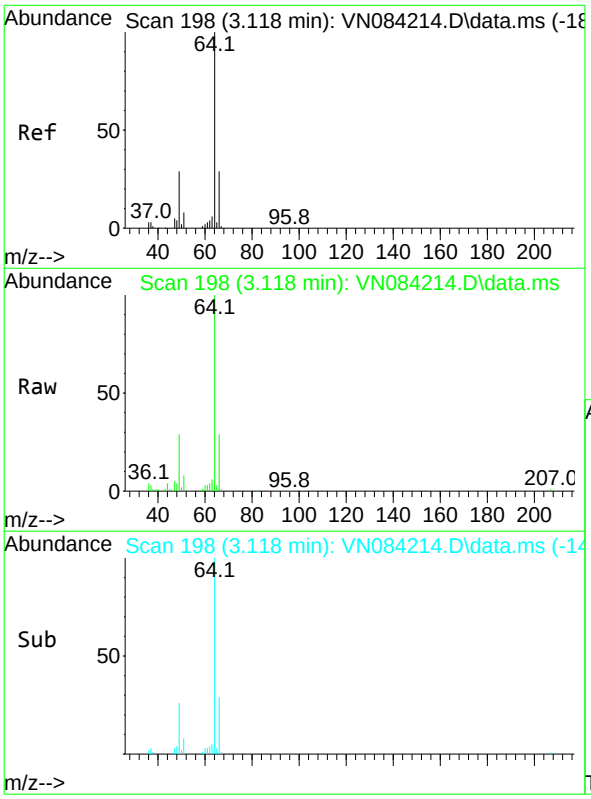
Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

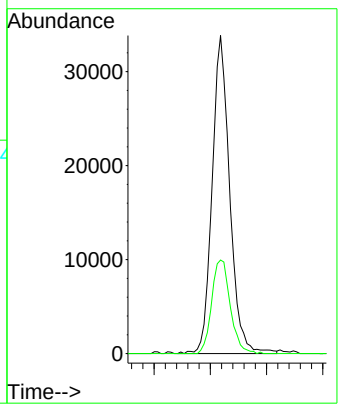
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

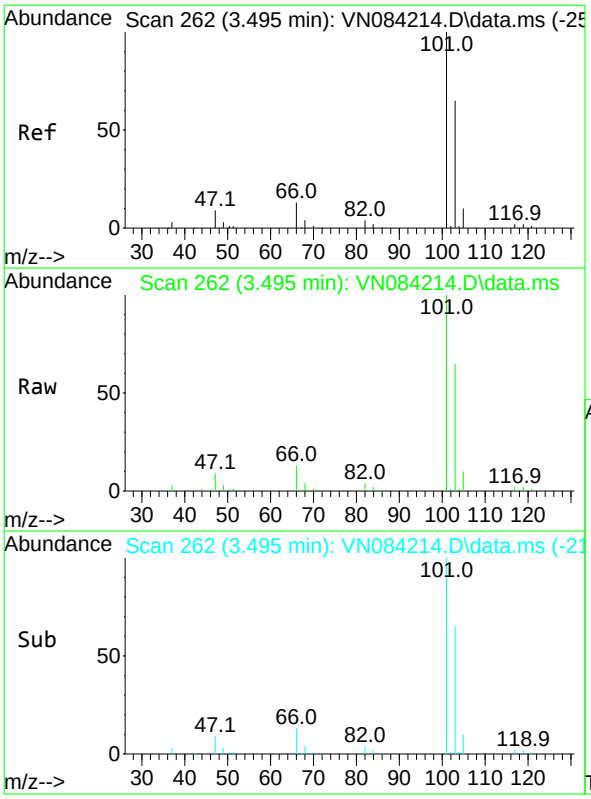


#6
Chloroethane
Concen: 44.693 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 64 Resp: 73440

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.5	35.3

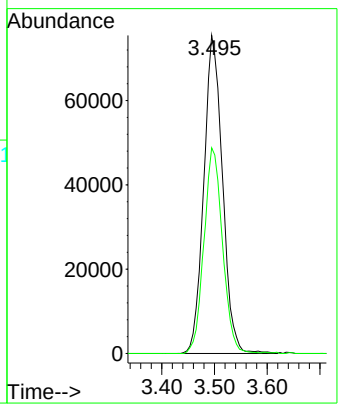




#7
Trichlorofluoromethane
Concen: 52.055 ug/l
RT: 3.495 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:101 Resp: 185982

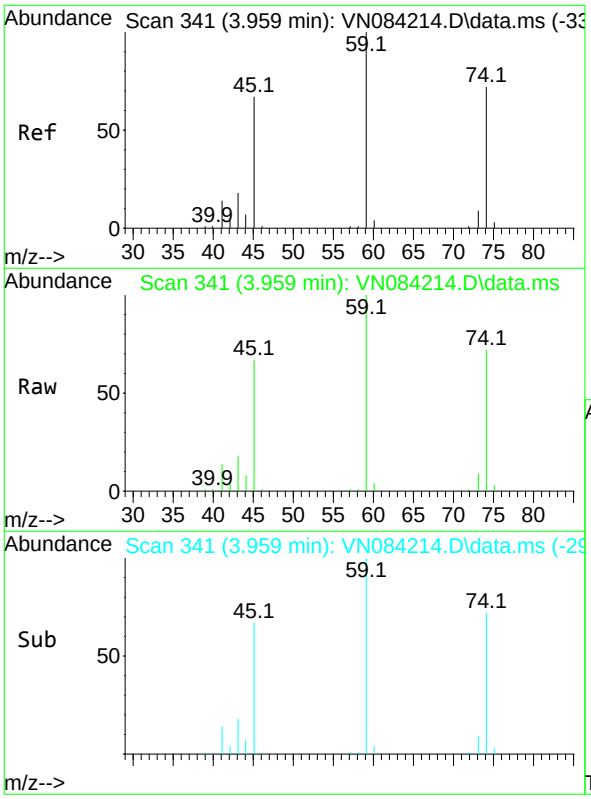
Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

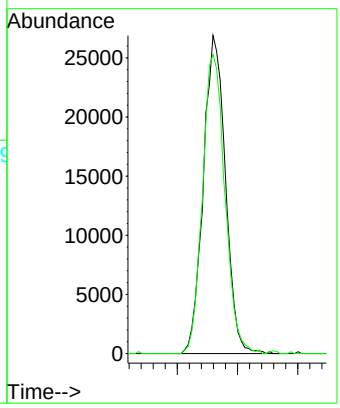
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

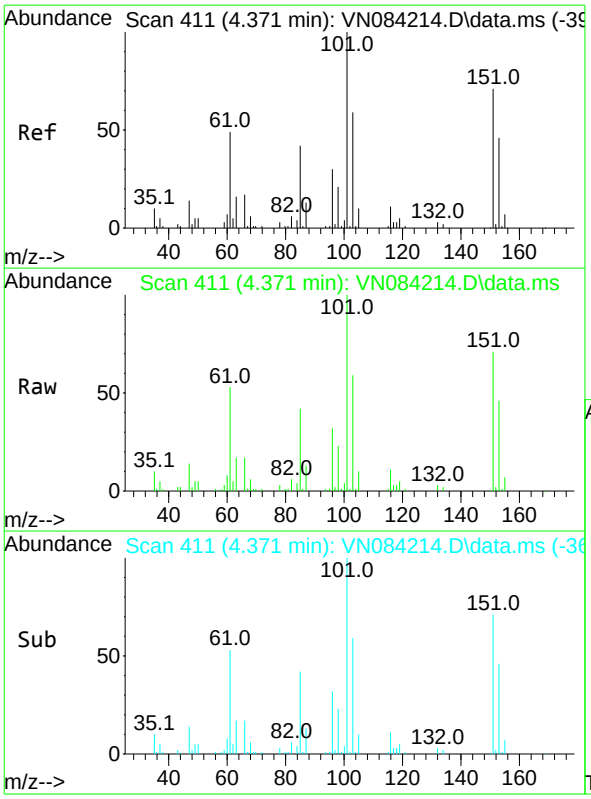


#8
Diethyl Ether
Concen: 51.608 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 74 Resp: 68385

Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.7	143.1

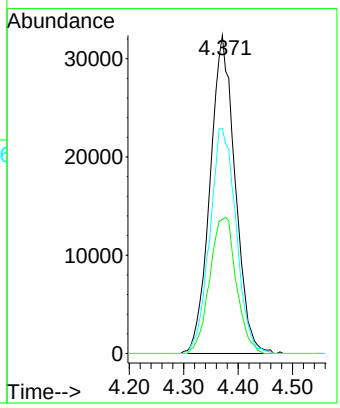




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.583 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:101 Resp: 103552

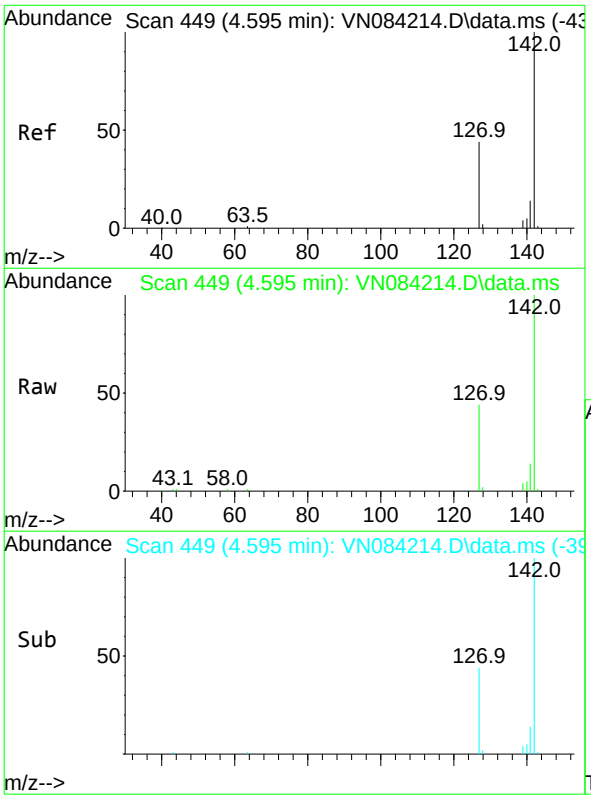
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	74.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

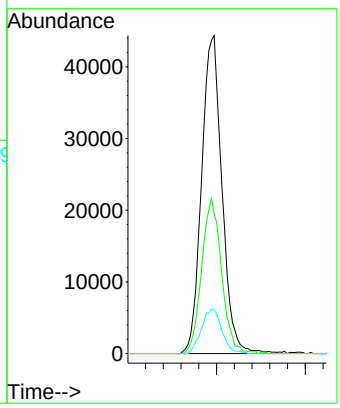
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

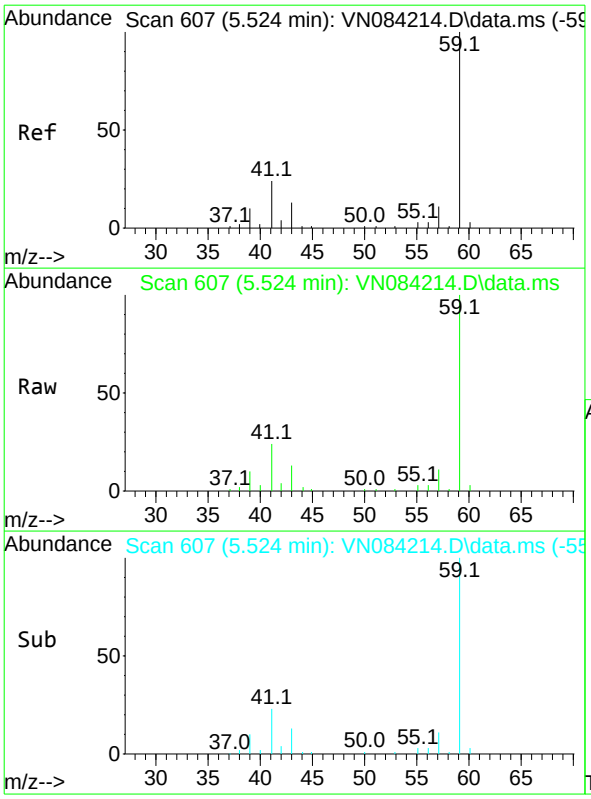


#10
Methyl Iodide
Concen: 53.600 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

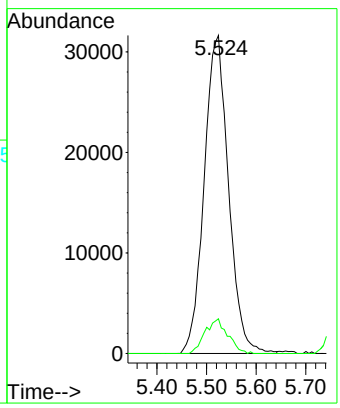




#11
Tert butyl alcohol
Concen: 251.850 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 59 Resp: 107986

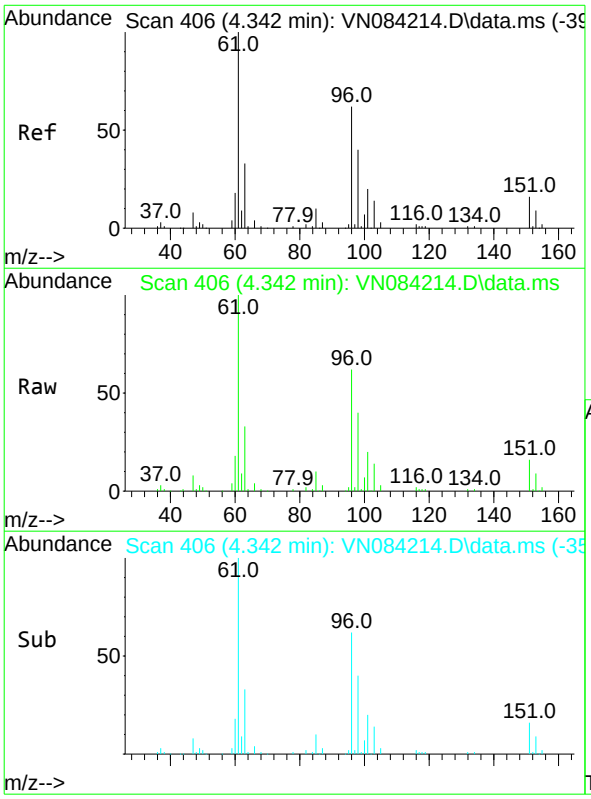
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

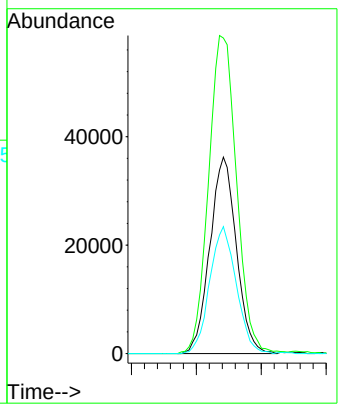
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

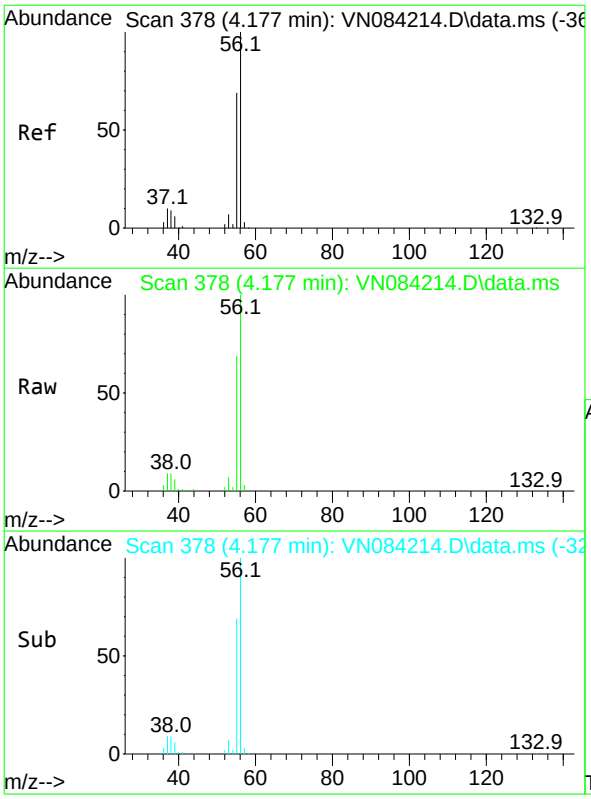


#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

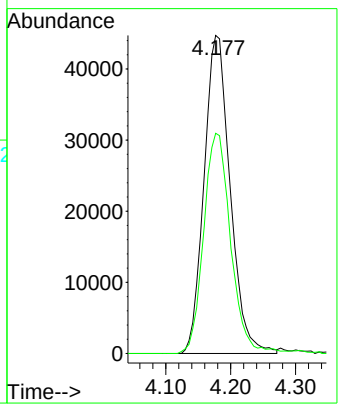




#13
Acrolein
Concen: 253.821 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 56 Resp: 124940

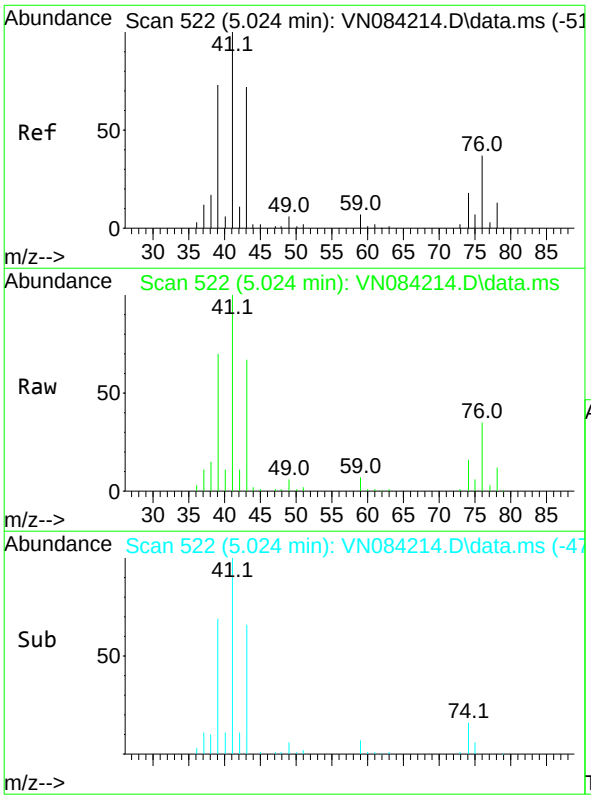
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

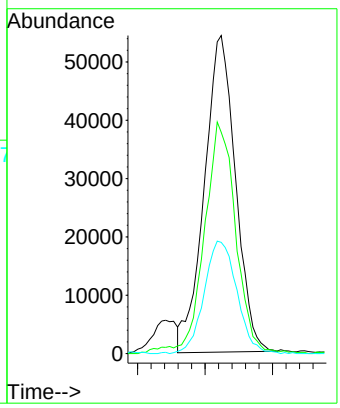
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

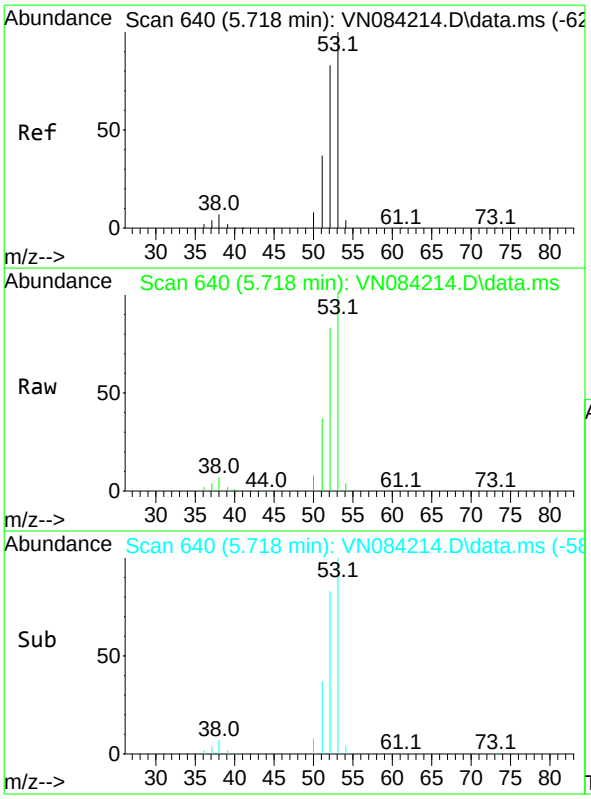


#14
Allyl chloride
Concen: 50.889 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

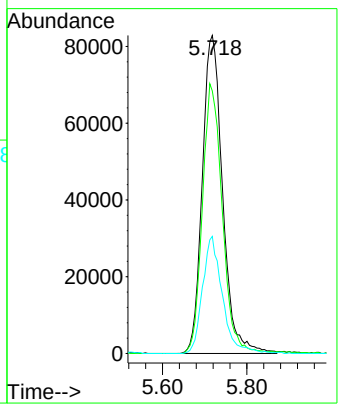




#15
Acrylonitrile
Concen: 256.145 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 53 Resp: 277346

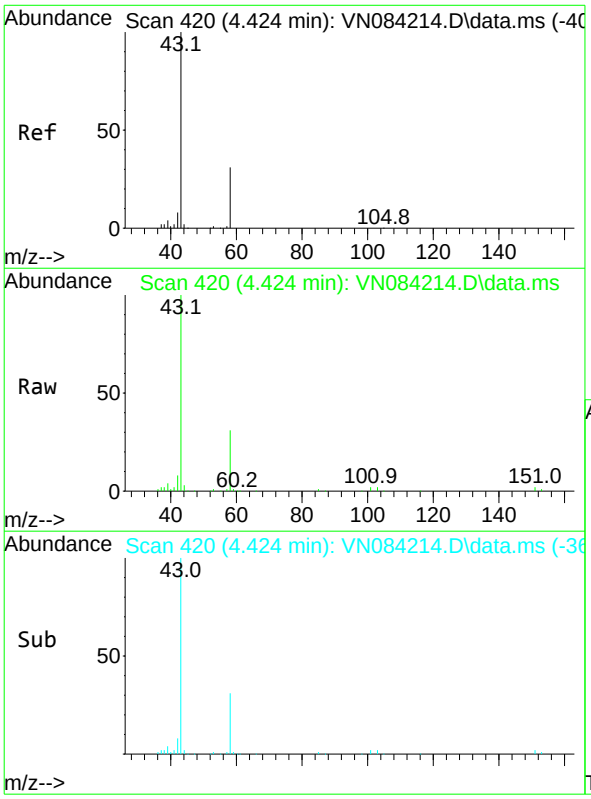
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

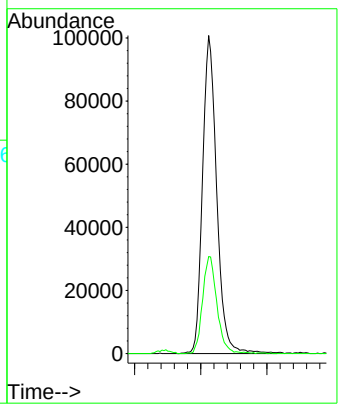
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

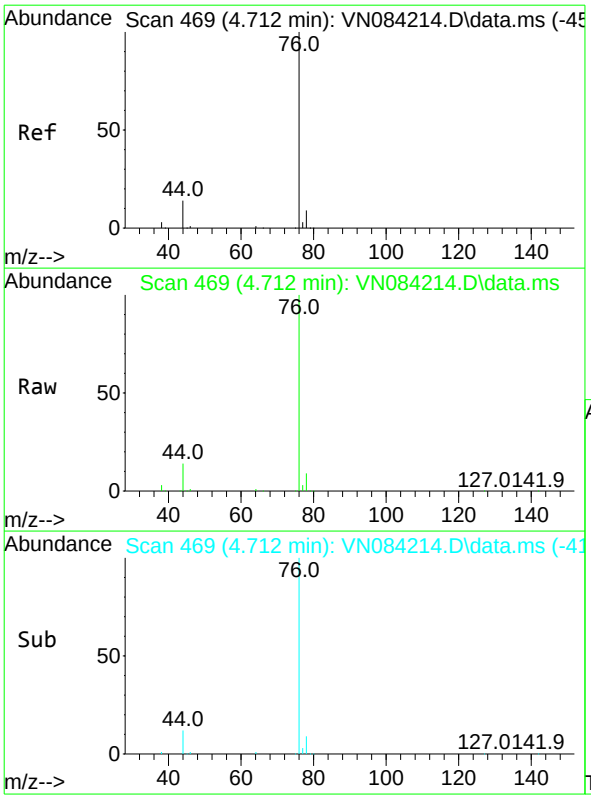


#16
Acetone
Concen: 268.132 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 299515

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6

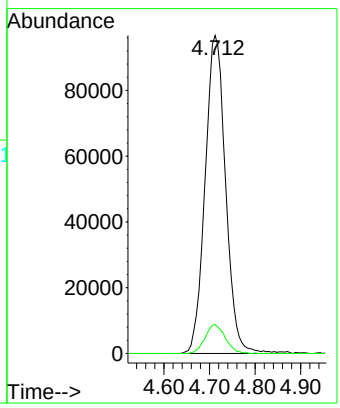




#17
Carbon Disulfide
Concen: 48.335 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 76 Resp: 302183

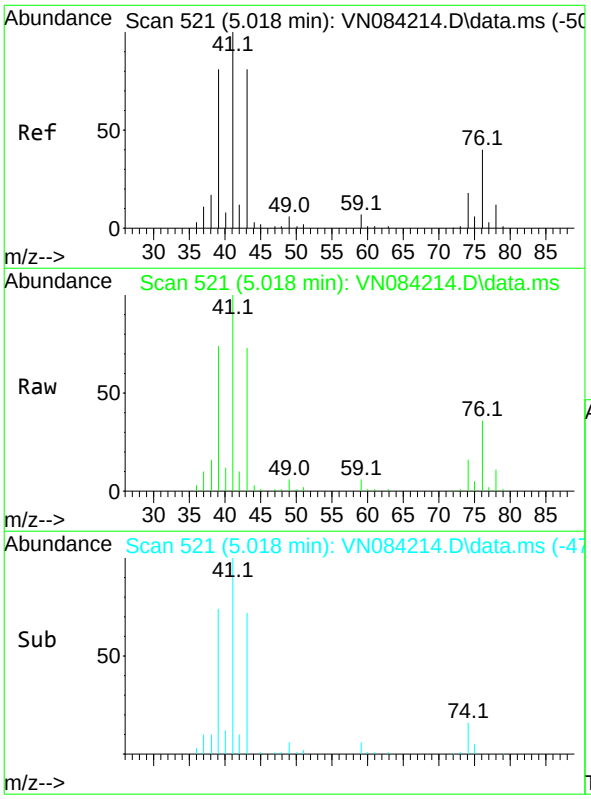
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

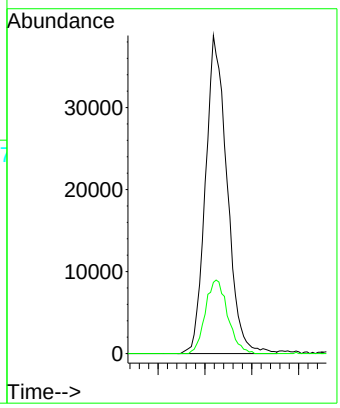
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

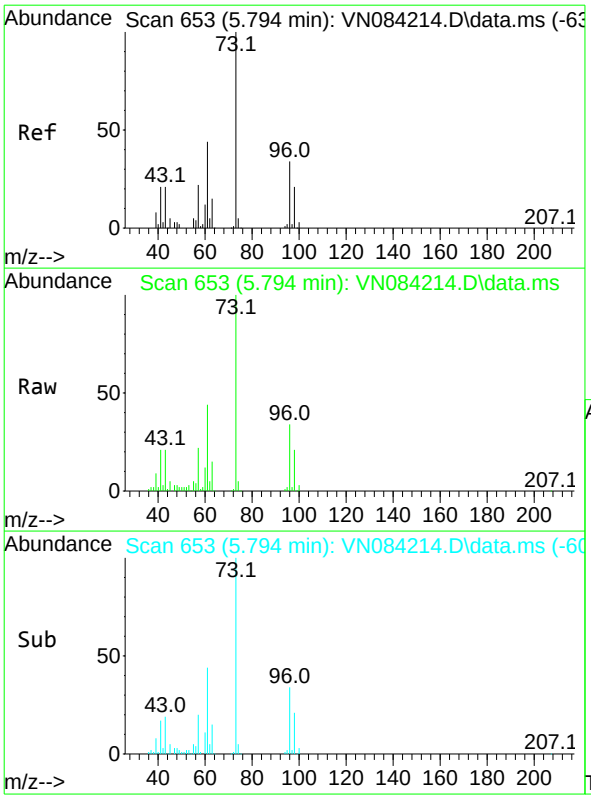


#18
Methyl Acetate
Concen: 50.934 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 124007

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

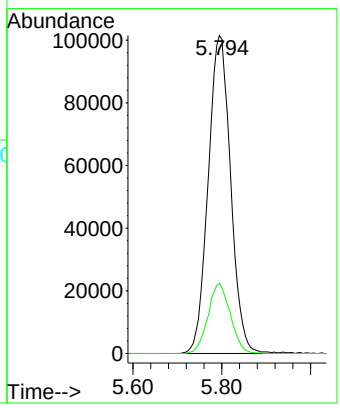




#19
Methyl tert-butyl Ether
Concen: 53.487 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 73 Resp: 356478

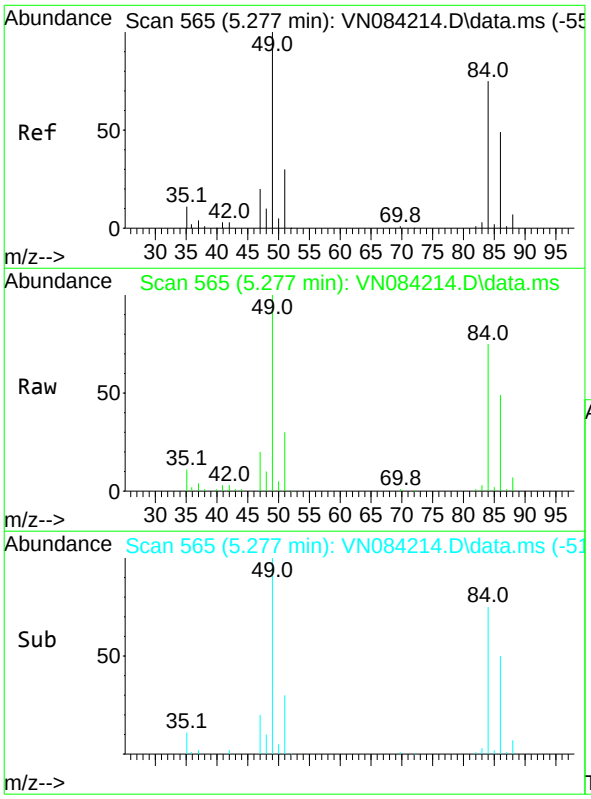
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

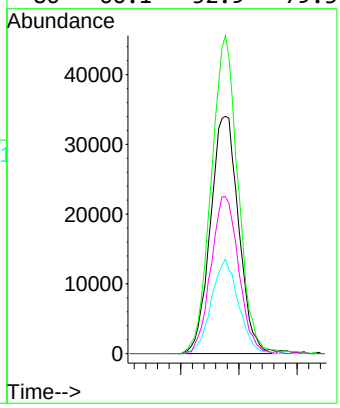
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

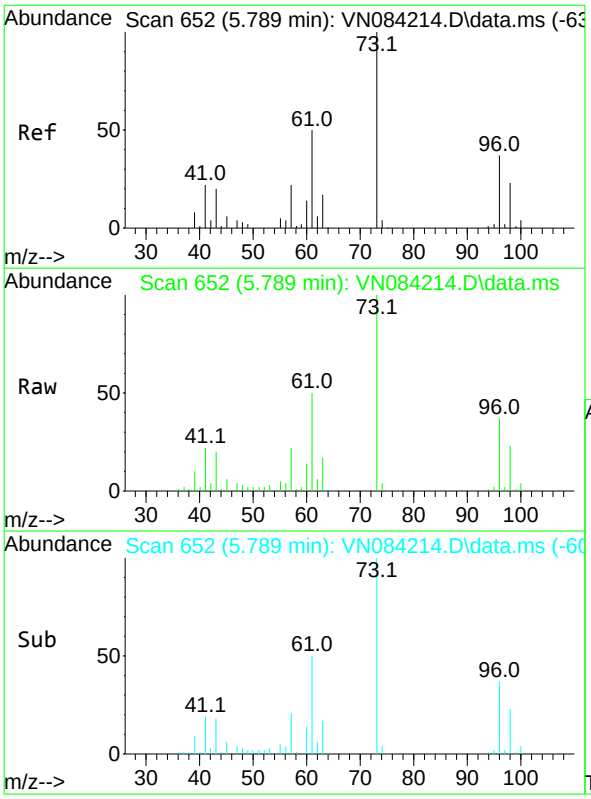


#20
Methylene Chloride
Concen: 50.609 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

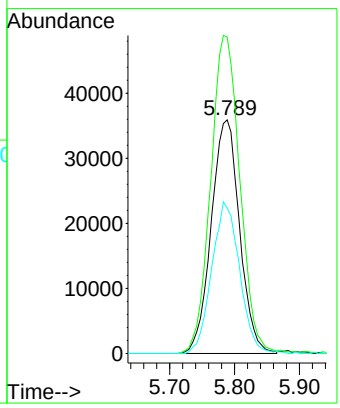




#21
trans-1,2-Dichloroethene
Concen: 52.711 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 109048

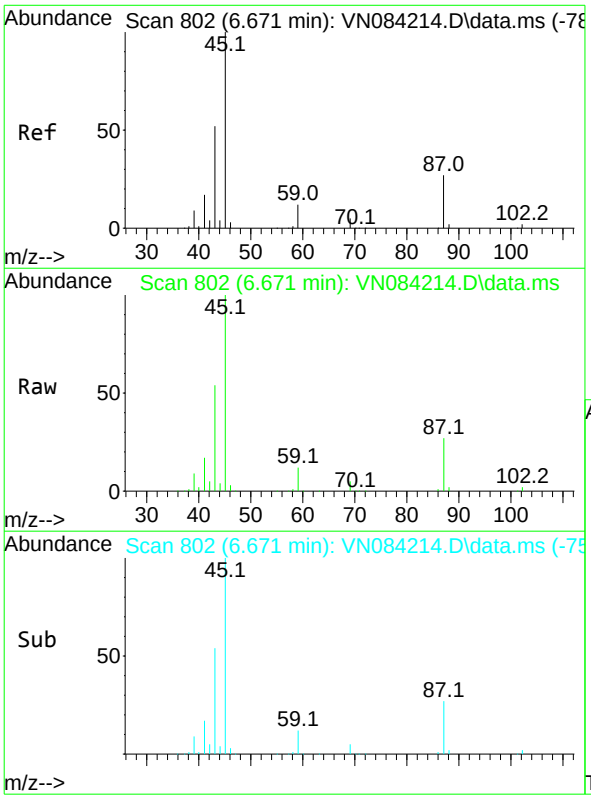
Ion	Ratio	Lower	Upper
96	100		
61	135.5	108.4	162.6
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

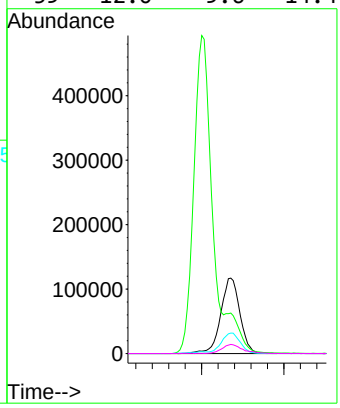
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

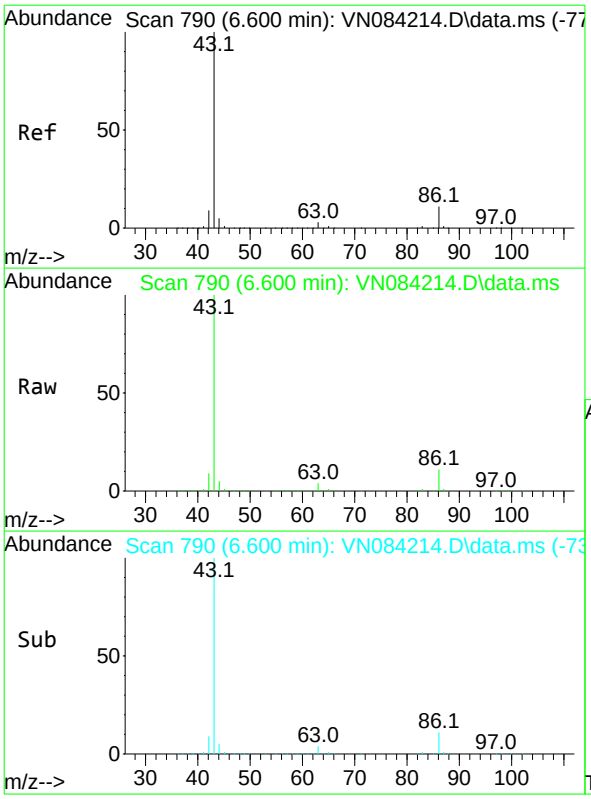


#22
Diisopropyl ether
Concen: 53.501 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

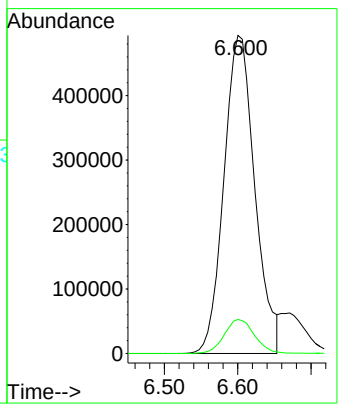




#23
Vinyl Acetate
Concen: 273.176 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 1444909

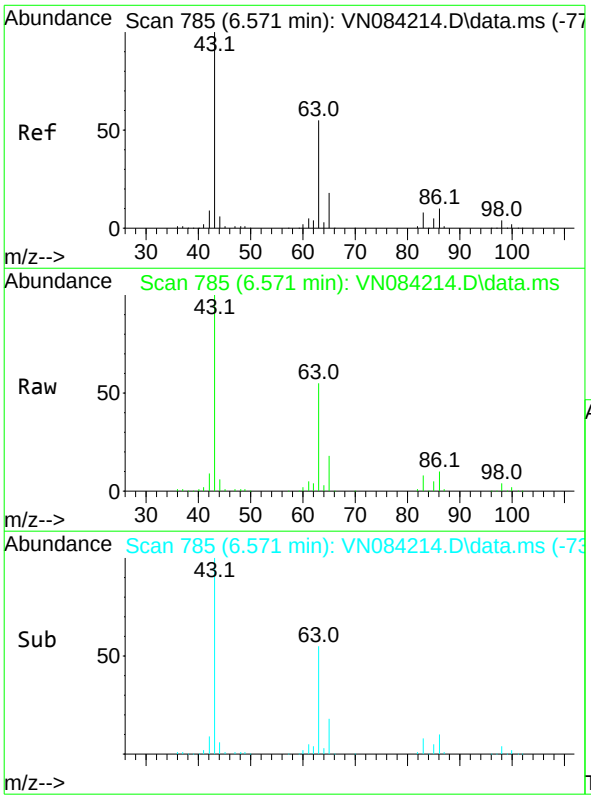
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

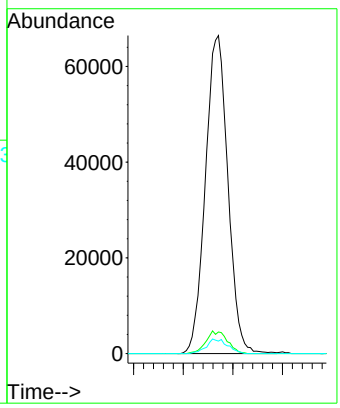
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

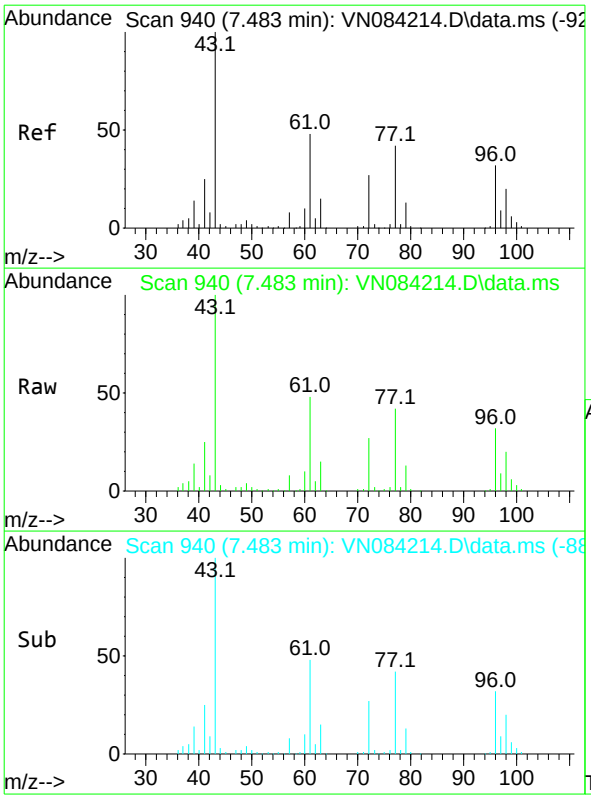


#24
1,1-Dichloroethane
Concen: 52.742 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

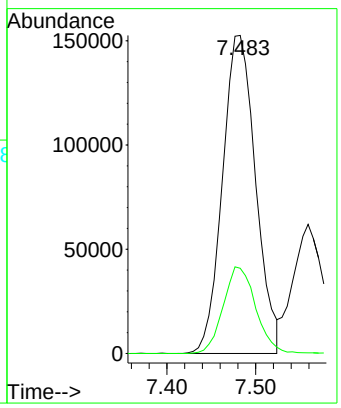




#25
2-Butanone
Concen: 260.524 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 396369

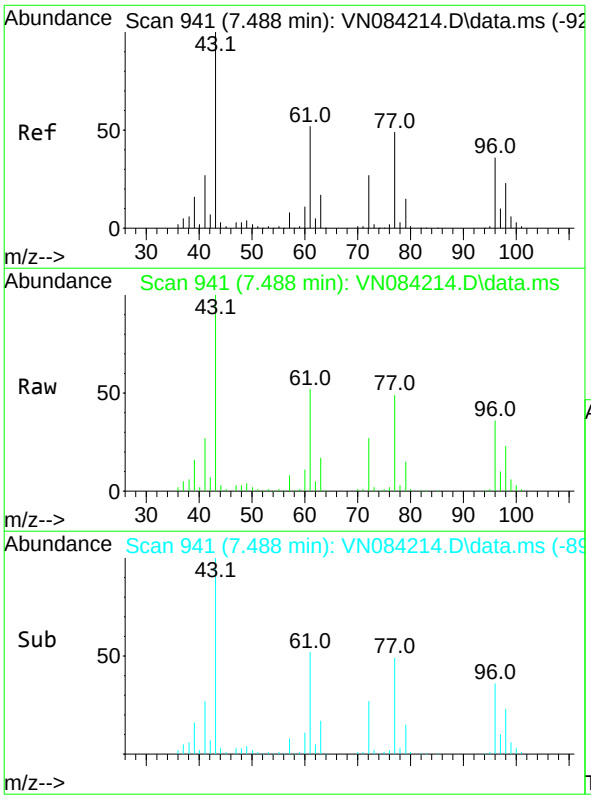
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

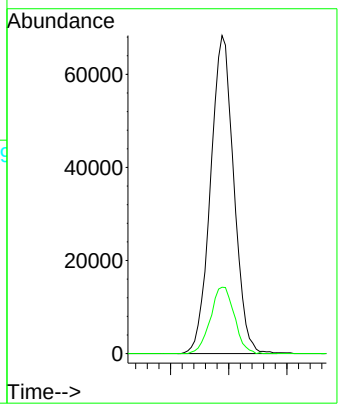
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

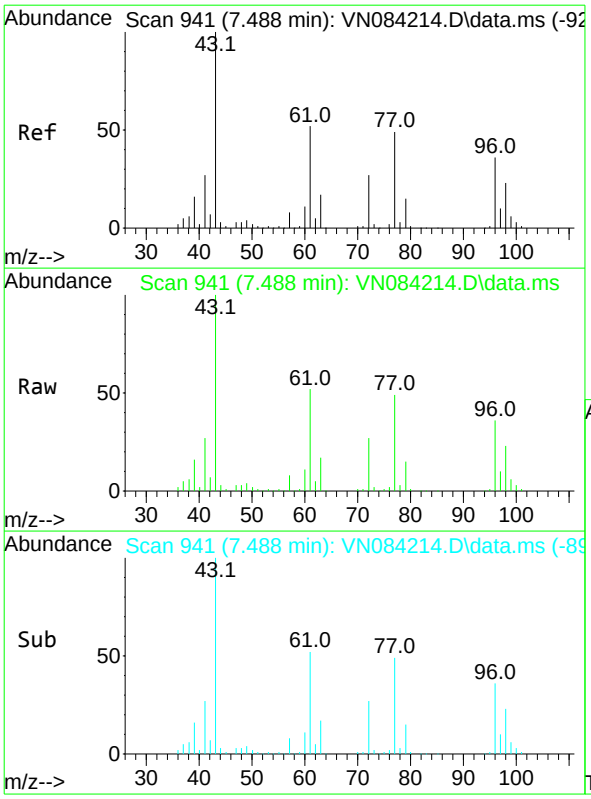


#26
2,2-Dichloropropane
Concen: 53.050 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 77 Resp: 189745

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3

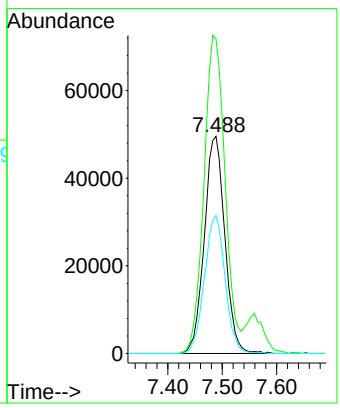




#27
cis-1,2-Dichloroethene
Concen: 51.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 96 Resp: 129873

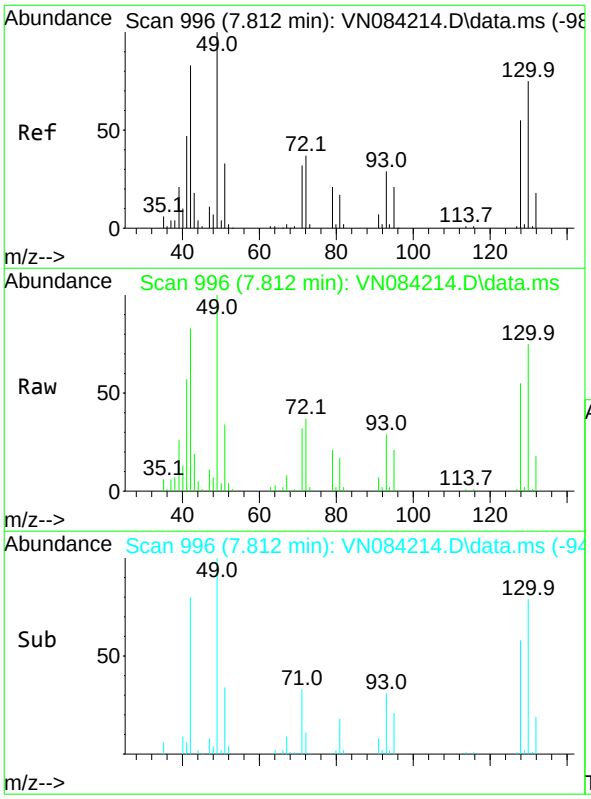
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	301.8
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

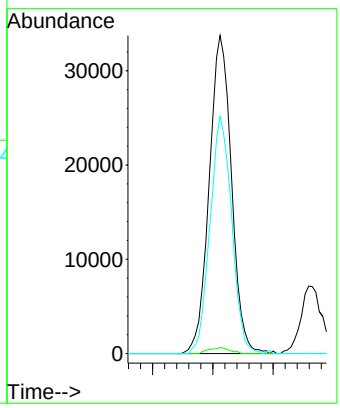
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

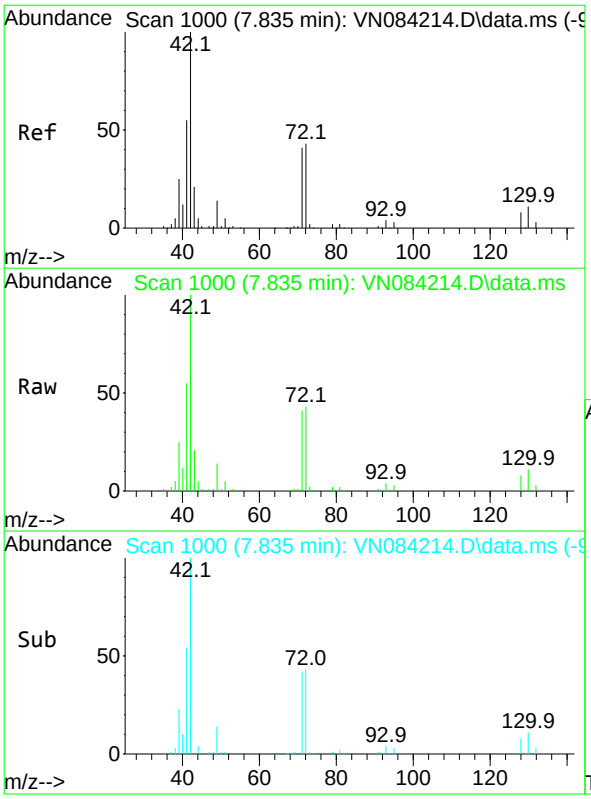


#28
Bromochloromethane
Concen: 48.919 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

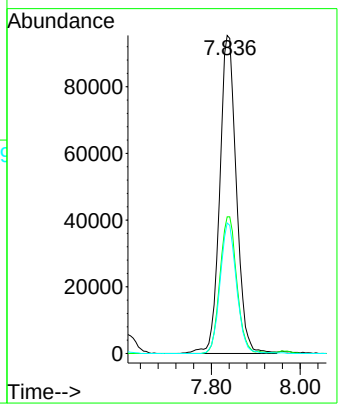




#29
Tetrahydrofuran
Concen: 264.488 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 42 Resp: 248328

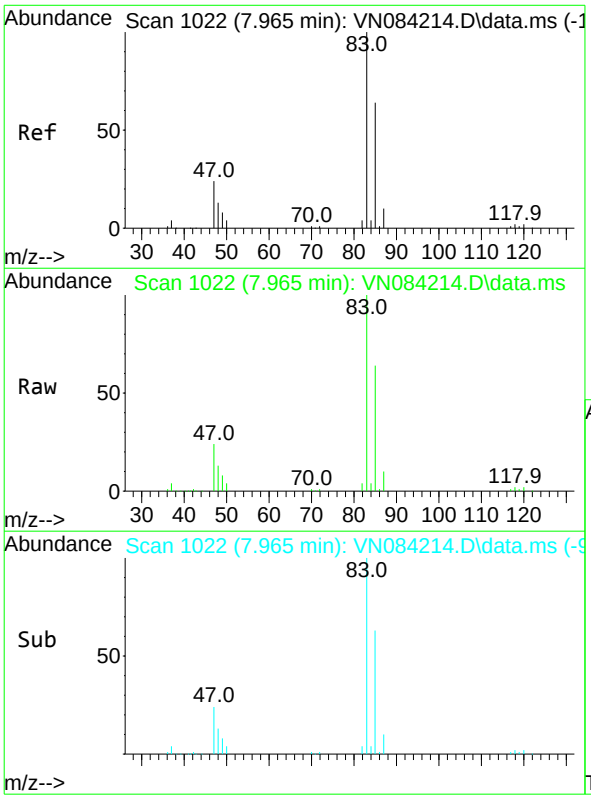
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	40.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

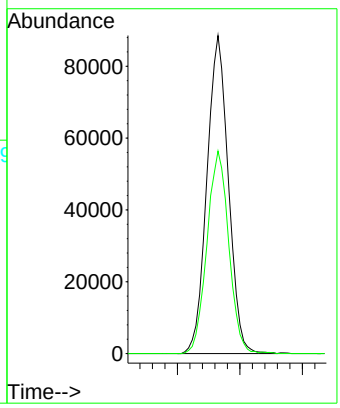
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

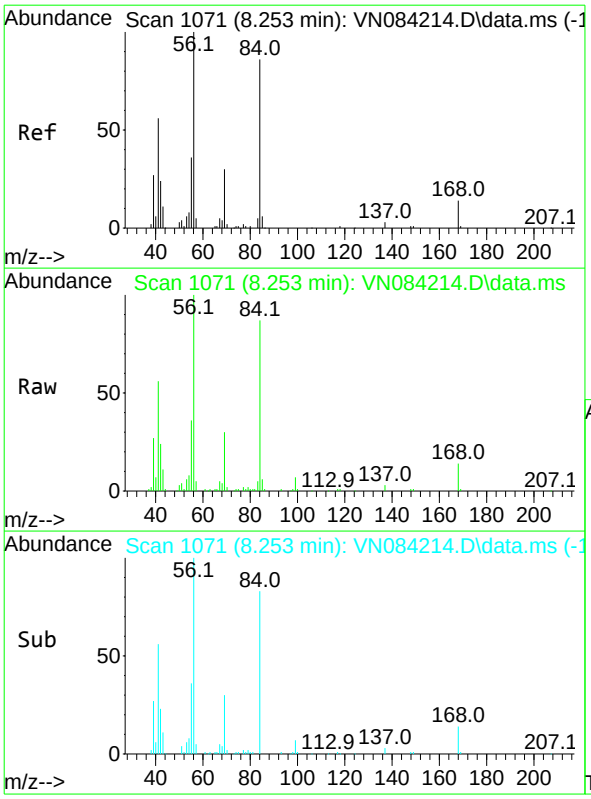


#30
Chloroform
Concen: 51.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 211178

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4

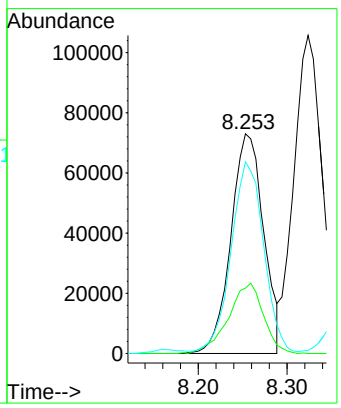




#31
Cyclohexane
Concen: 48.624 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 56 Resp: 187282

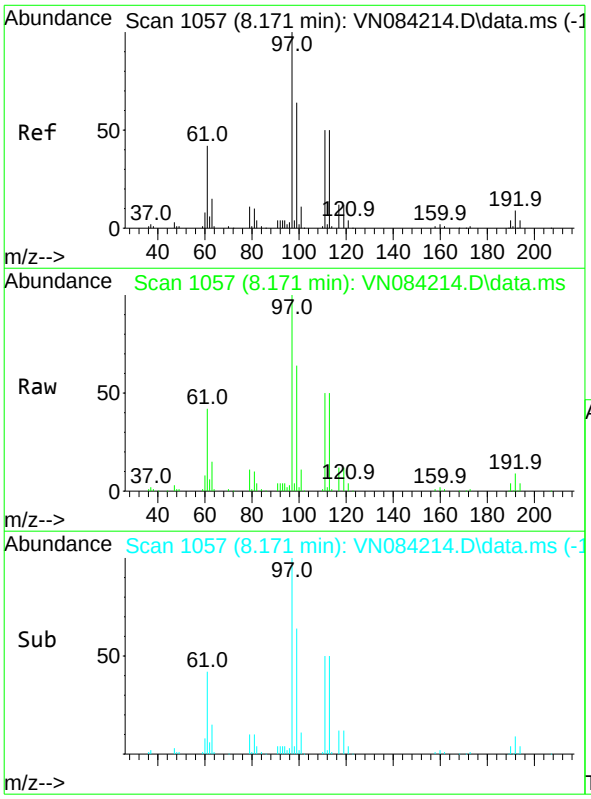
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.6
84	86.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

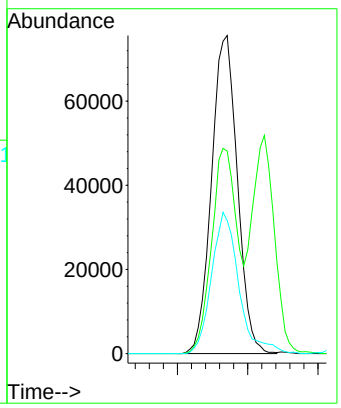
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

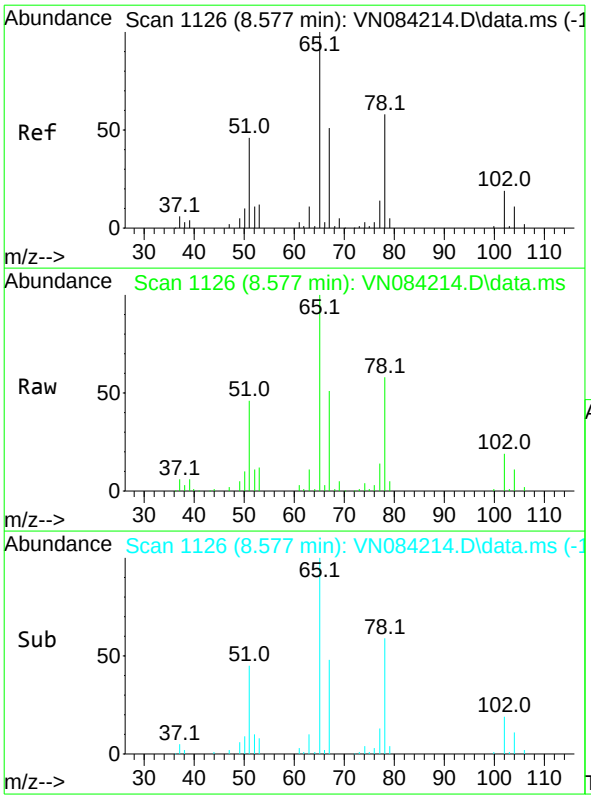


#32
1,1,1-Trichloroethane
Concen: 52.237 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

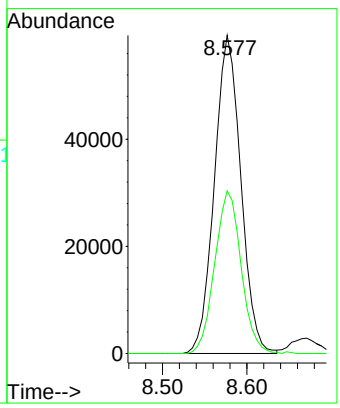
Tgt Ion: 65 Resp: 129300

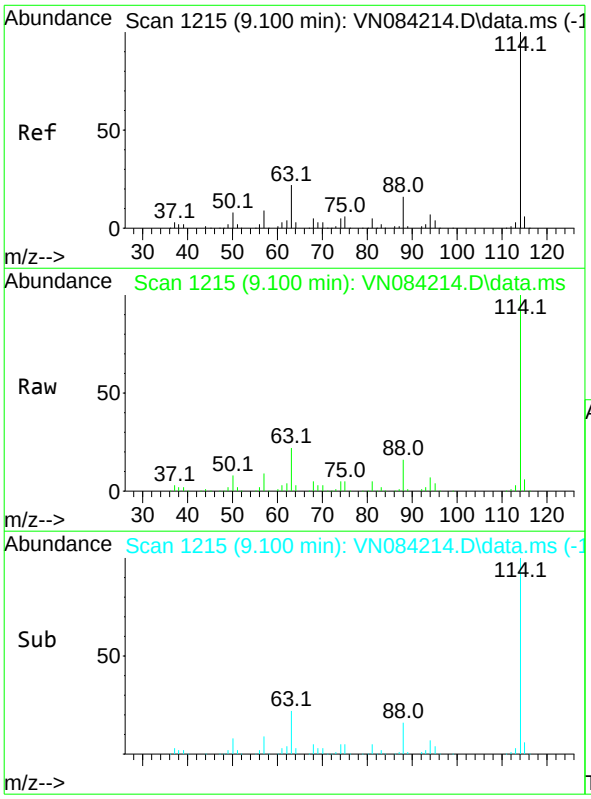
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

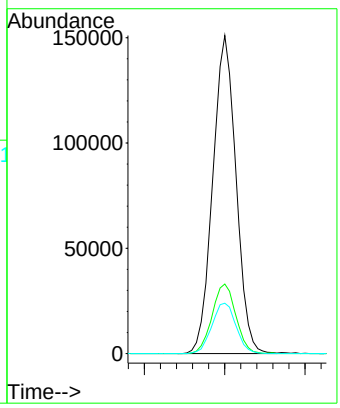


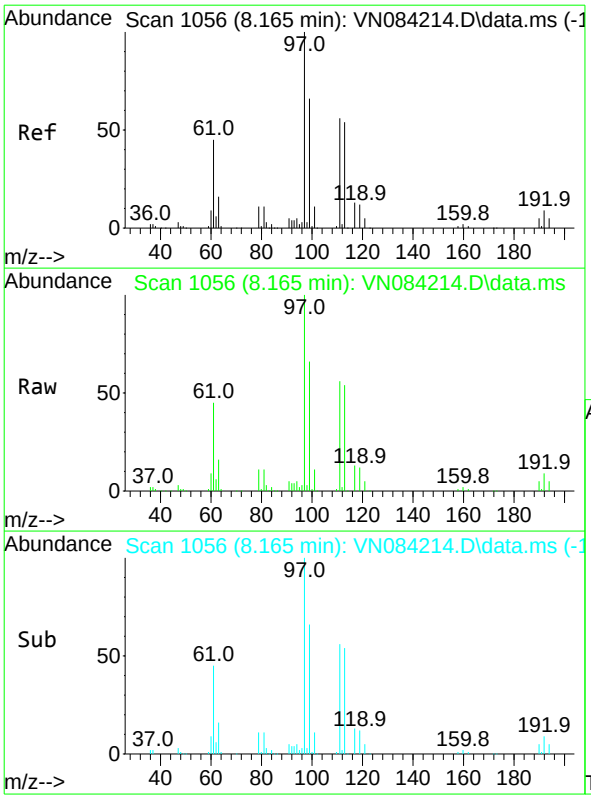


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

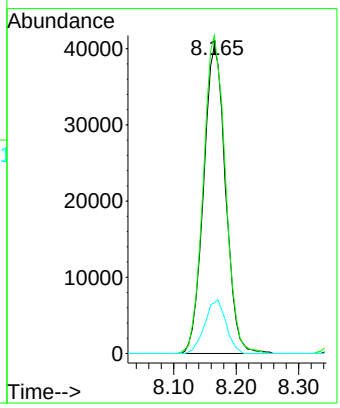




#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:113 Resp: 98531

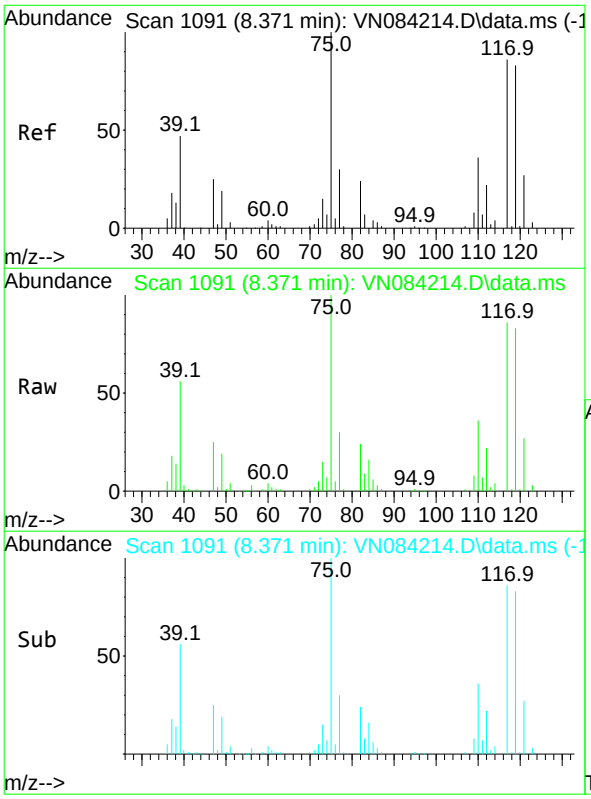
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	16.9	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

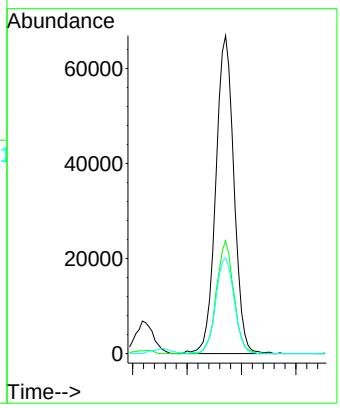
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

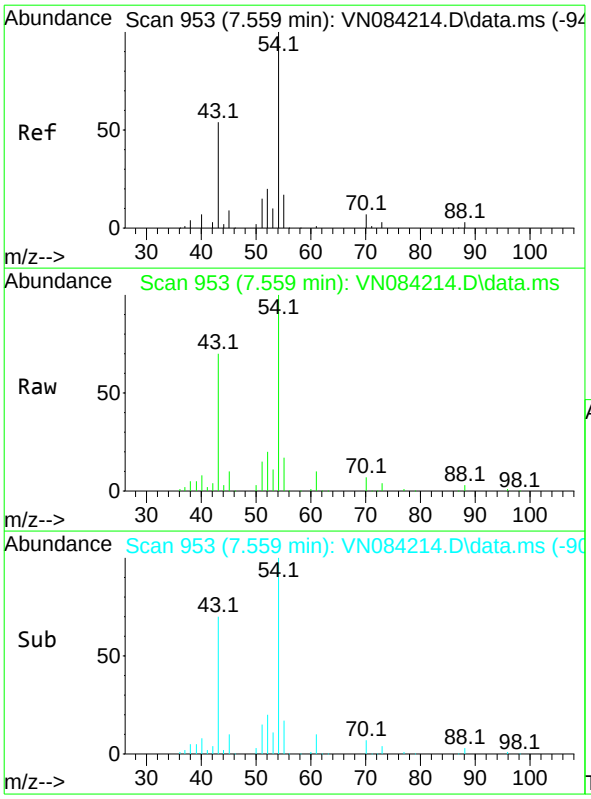


#36
1,1-Dichloropropene
Concen: 53.172 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

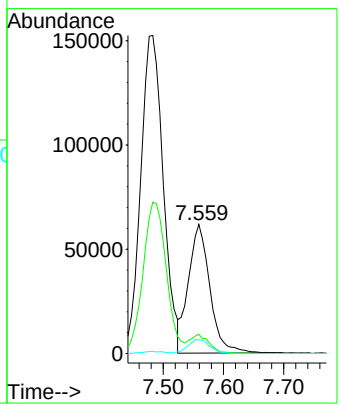




#37
Ethyl Acetate
Concen: 51.216 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 153024

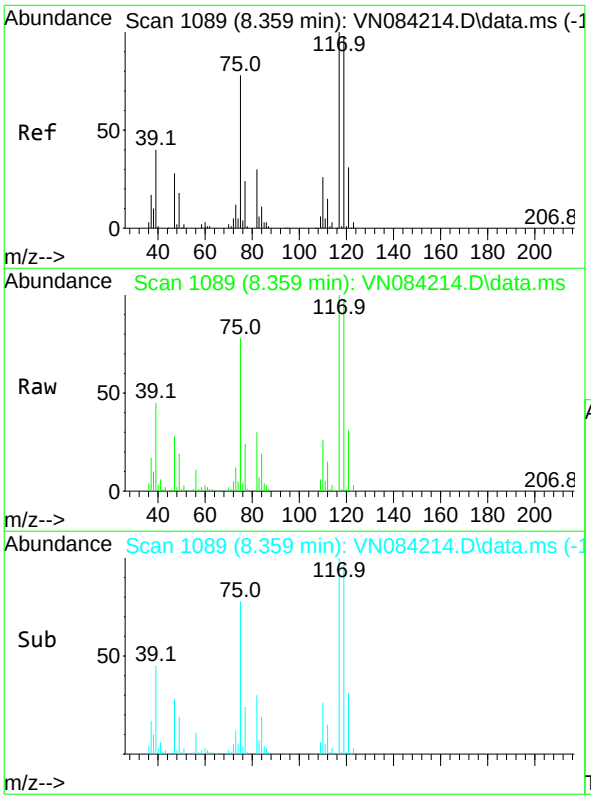
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

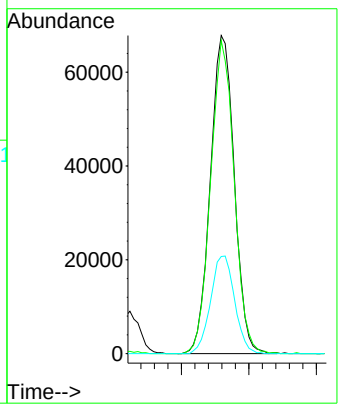
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

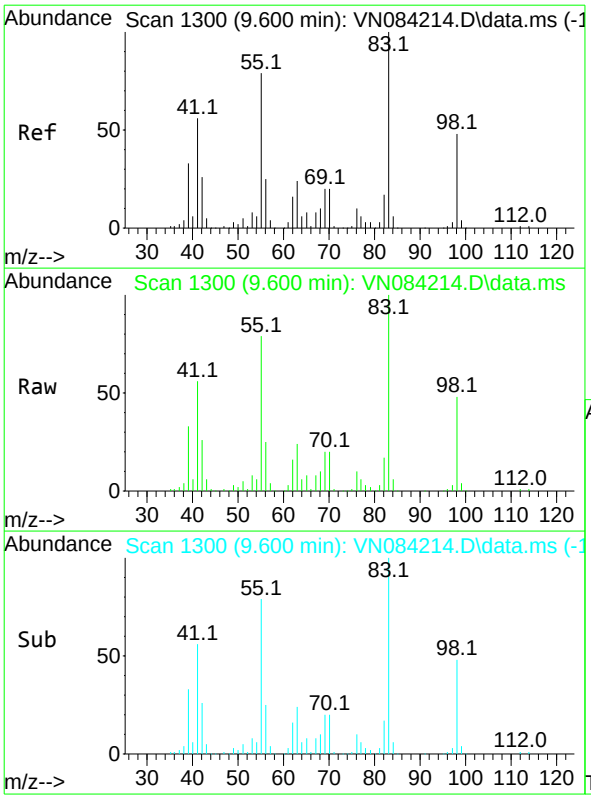


#38
Carbon Tetrachloride
Concen: 52.301 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

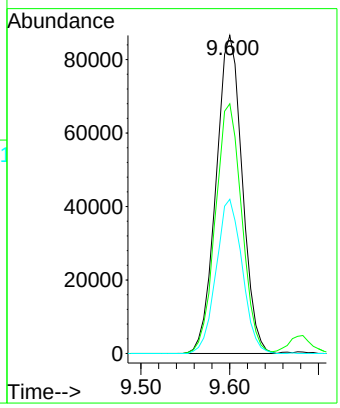




#39
Methylcyclohexane
Concen: 54.741 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 177433

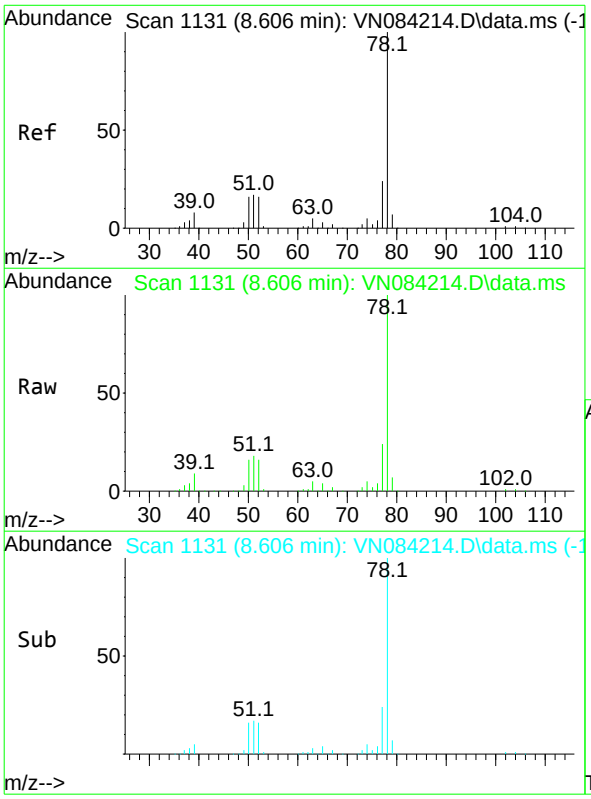
Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.8	94.2
98	48.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

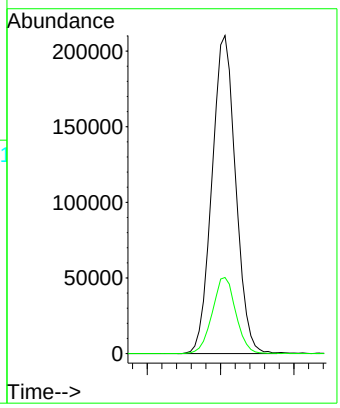
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

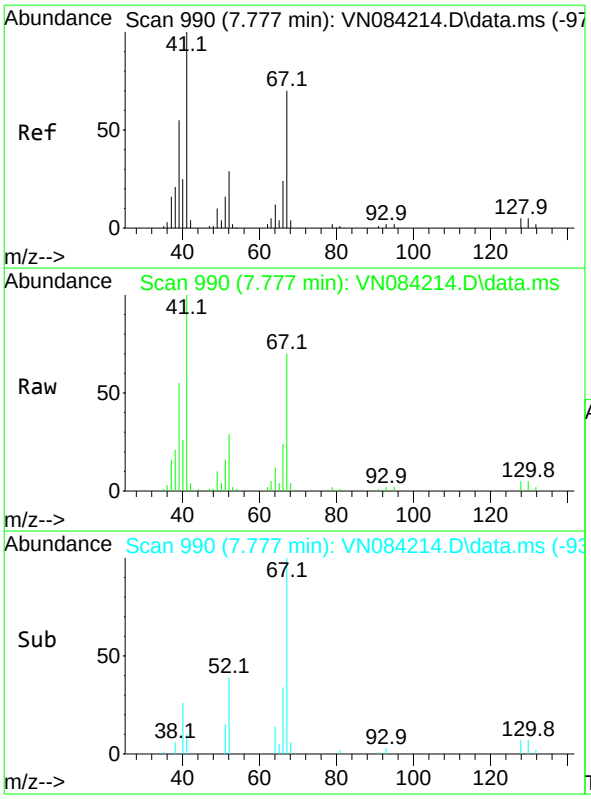


#40
Benzene
Concen: 52.037 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 78 Resp: 472170

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

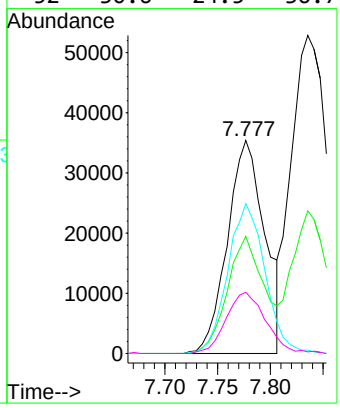




#41
Methacrylonitrile
Concen: 53.861 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 41 Resp: 87365

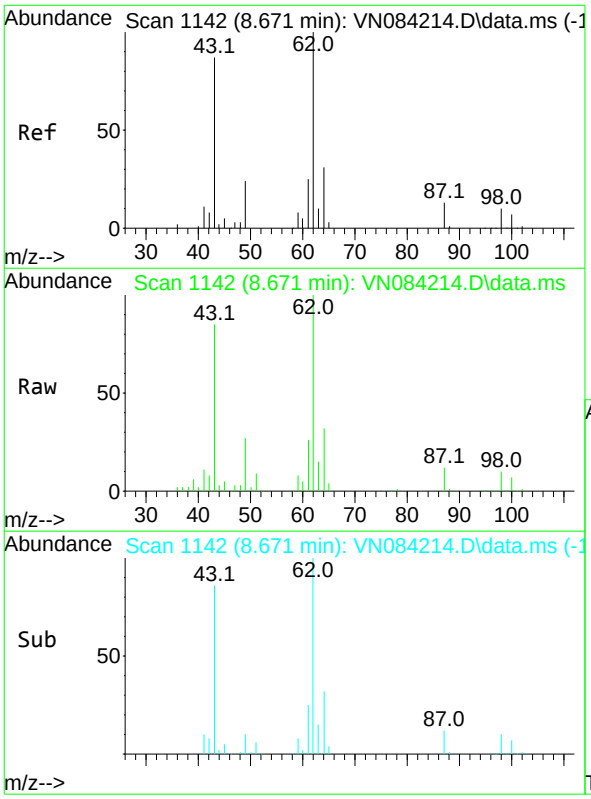
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	70.1	56.1	84.1
52	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

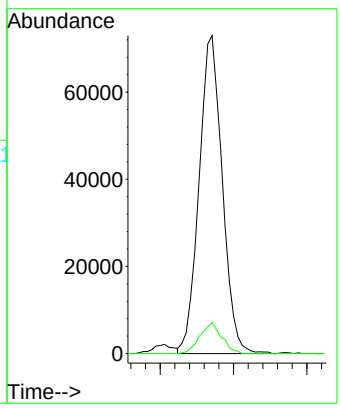
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

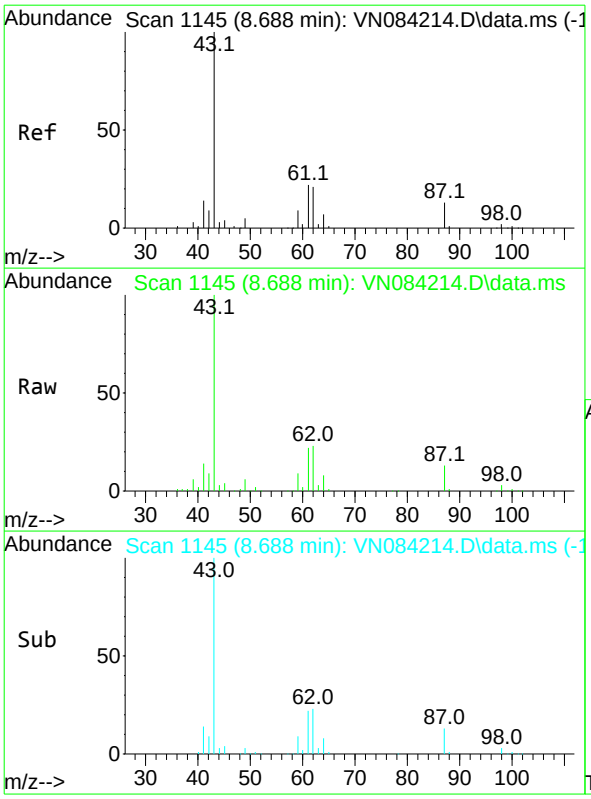


#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 160606

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

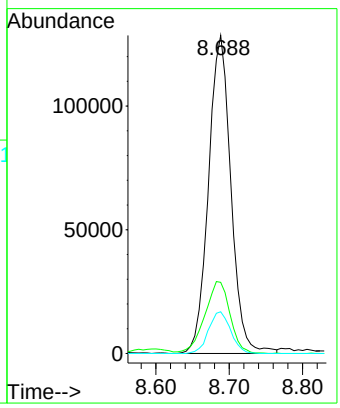




#43
Isopropyl Acetate
Concen: 46.667 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 272992

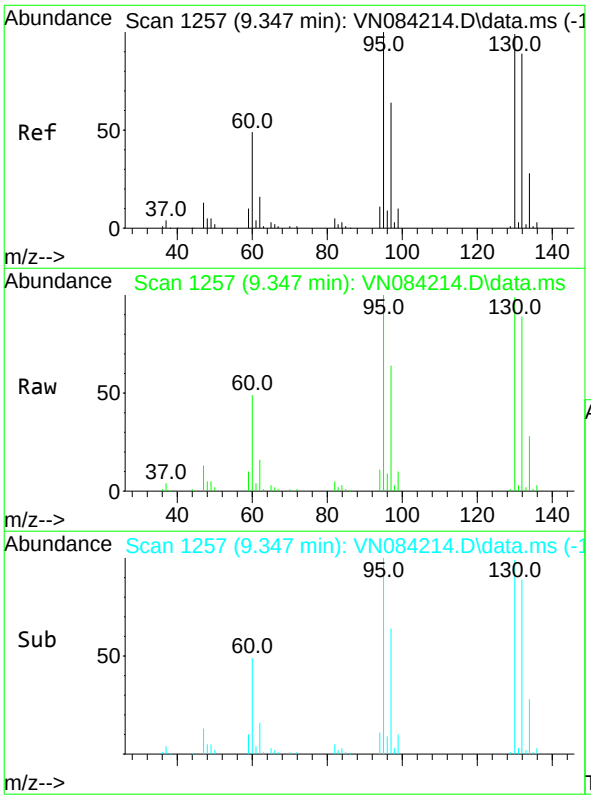
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.4	30.6
87	12.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

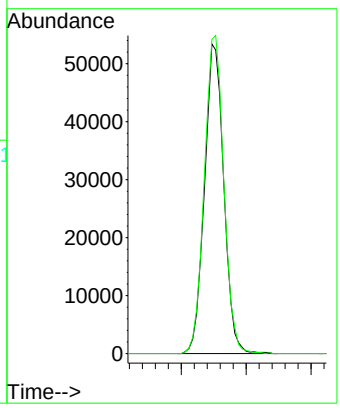
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

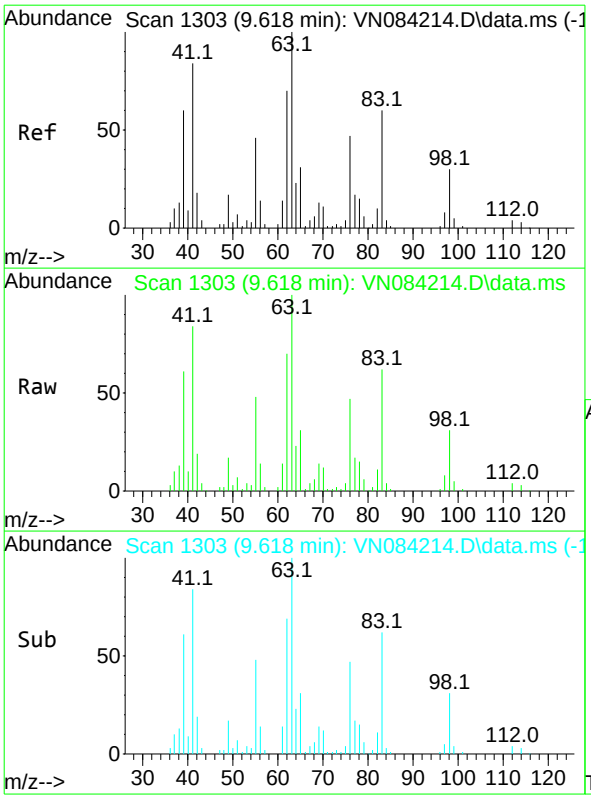


#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:130 Resp: 110119

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

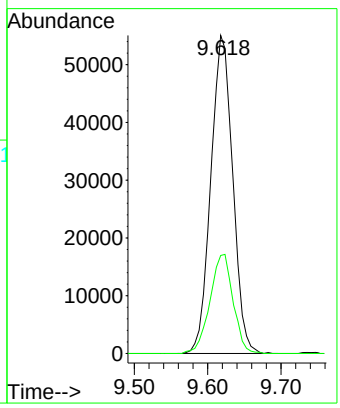




#45
1,2-Dichloropropane
Concen: 53.176 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 114143

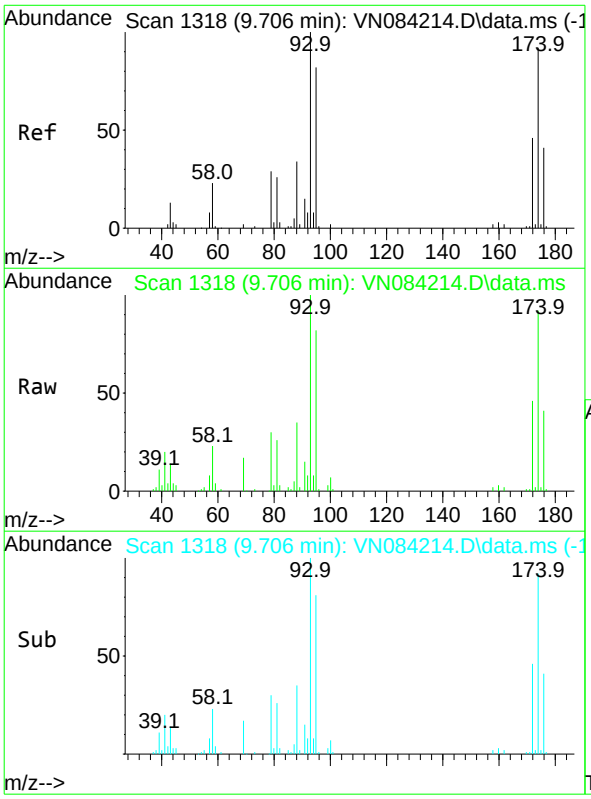
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

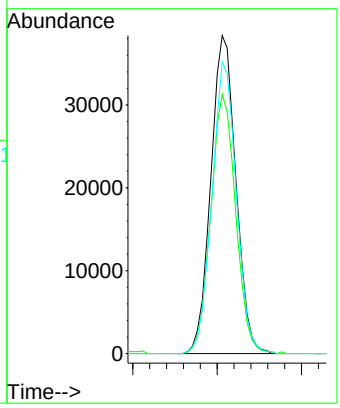
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

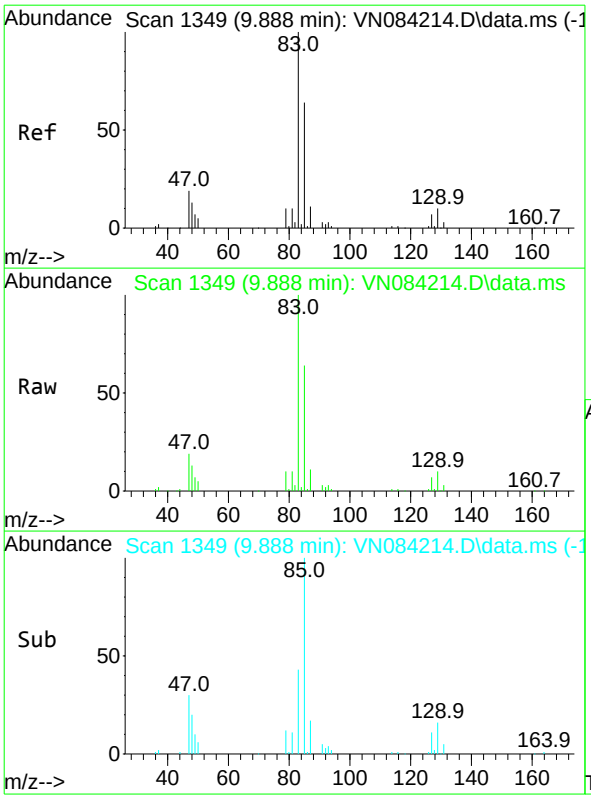


#46
Dibromomethane
Concen: 54.542 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

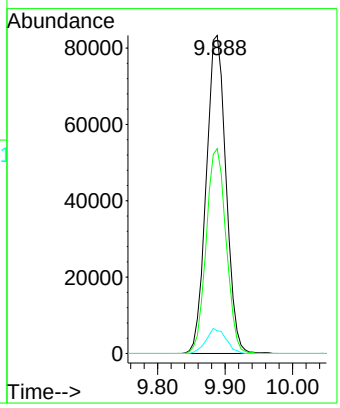




#47
Bromodichloromethane
Concen: 52.595 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 169263

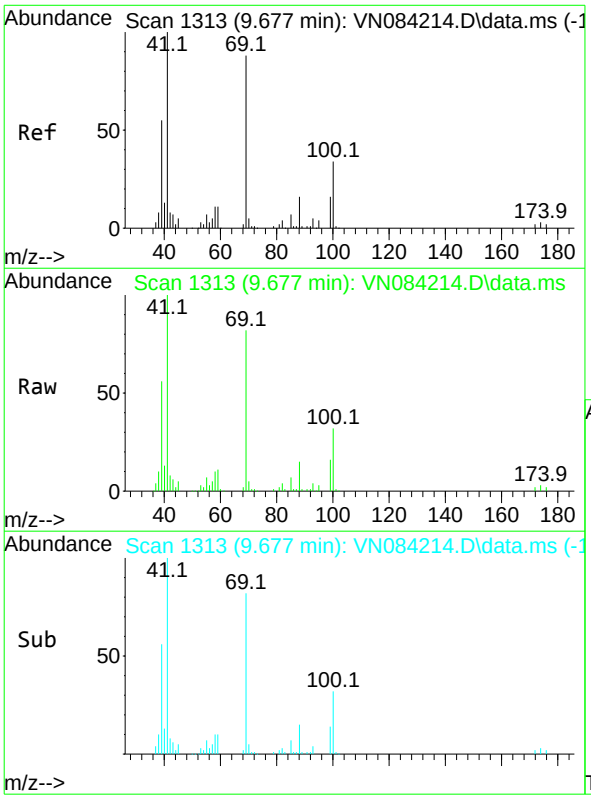
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

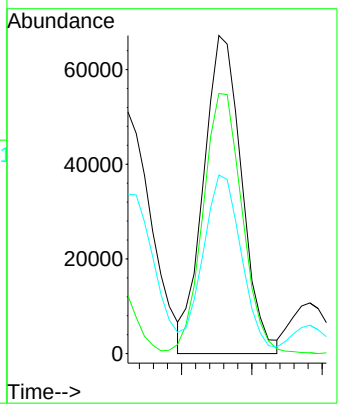
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

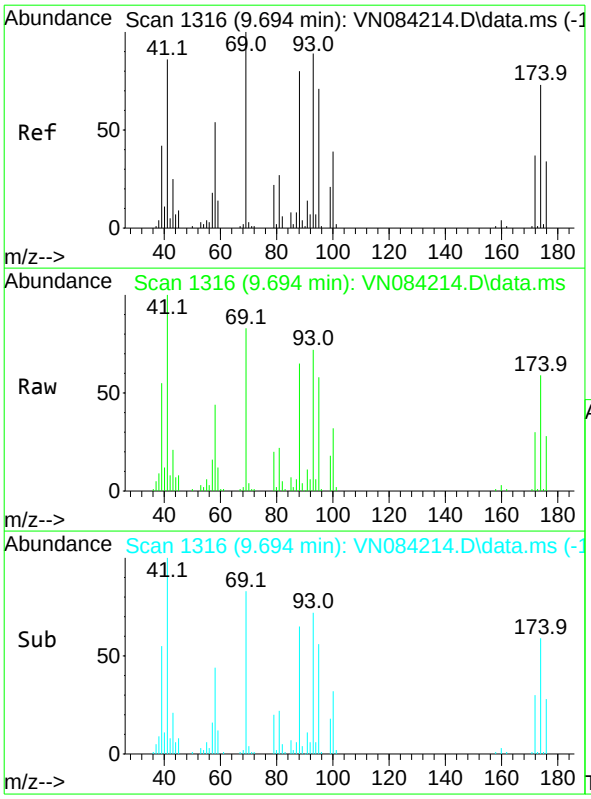


#48
Methyl methacrylate
Concen: 54.534 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

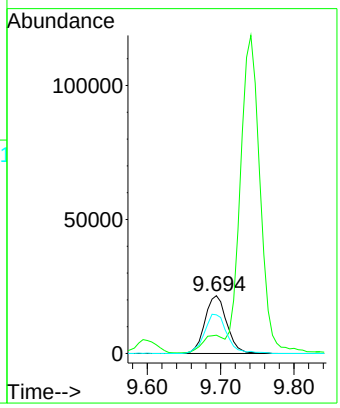




#49
1,4-Dioxane
Concen: 1037.858 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 88 Resp: 44512

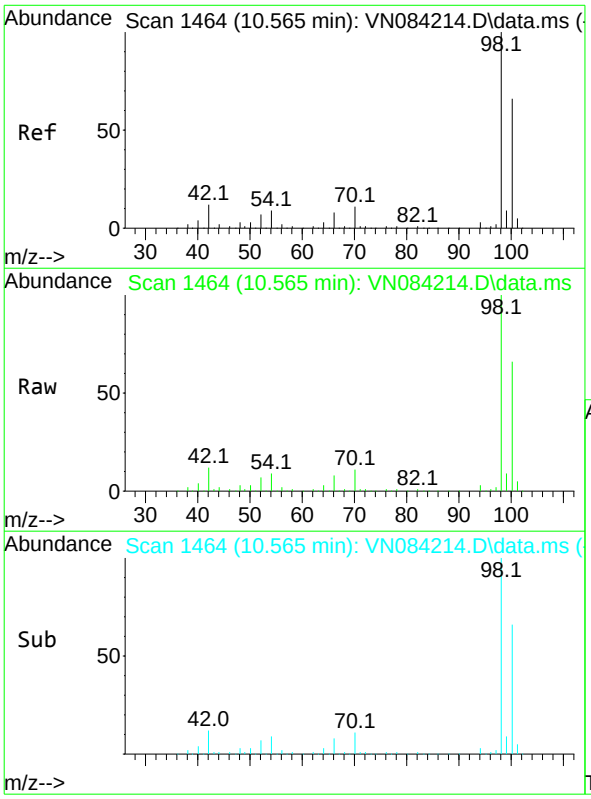
Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.3	37.9
58	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

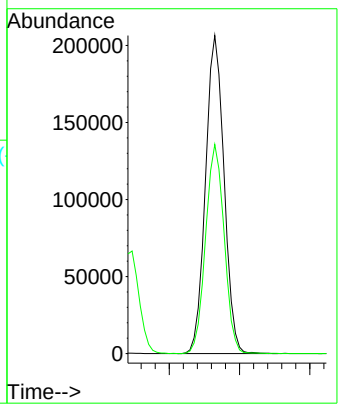
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

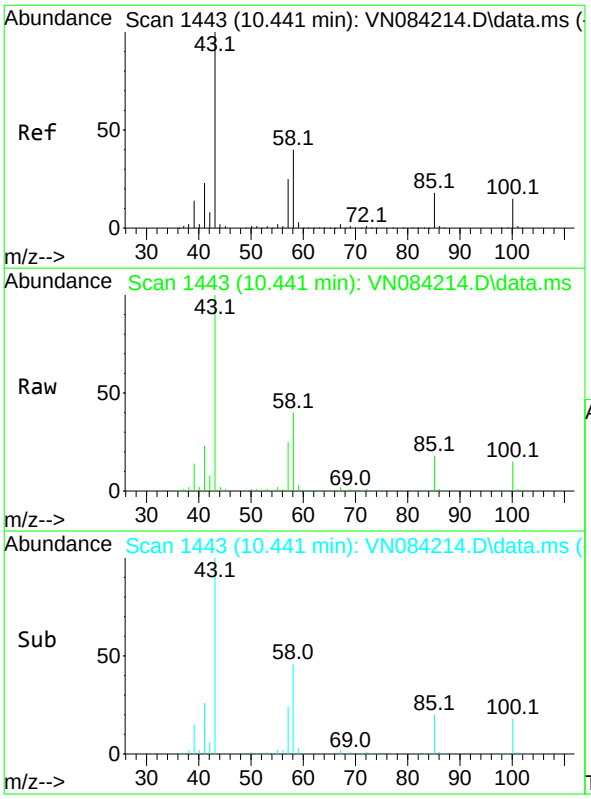


#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 98 Resp: 377886

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

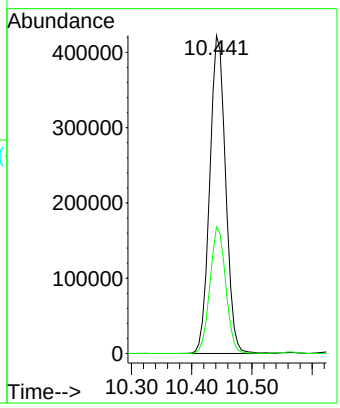




#51
4-Methyl-2-Pentanone
Concen: 271.750 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 772927

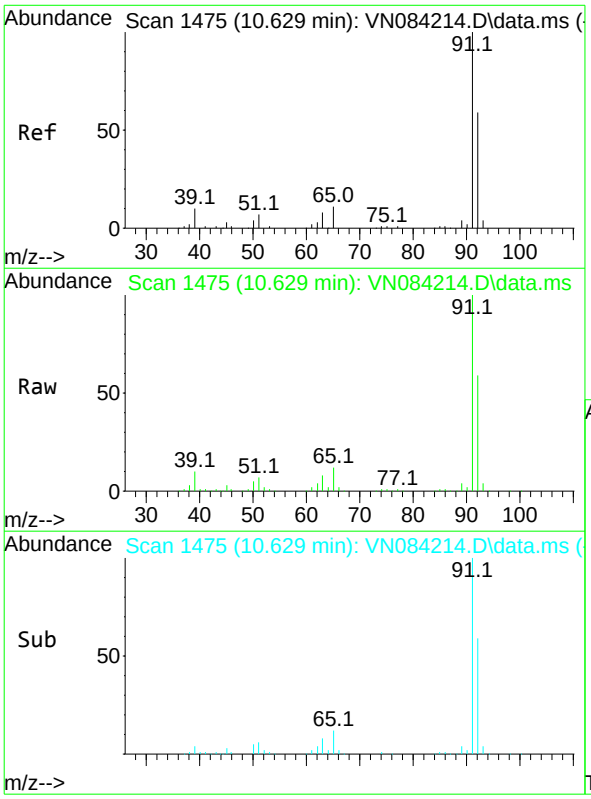
Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

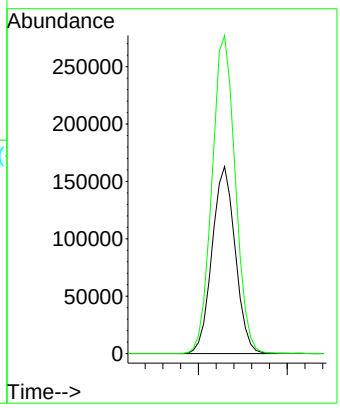
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

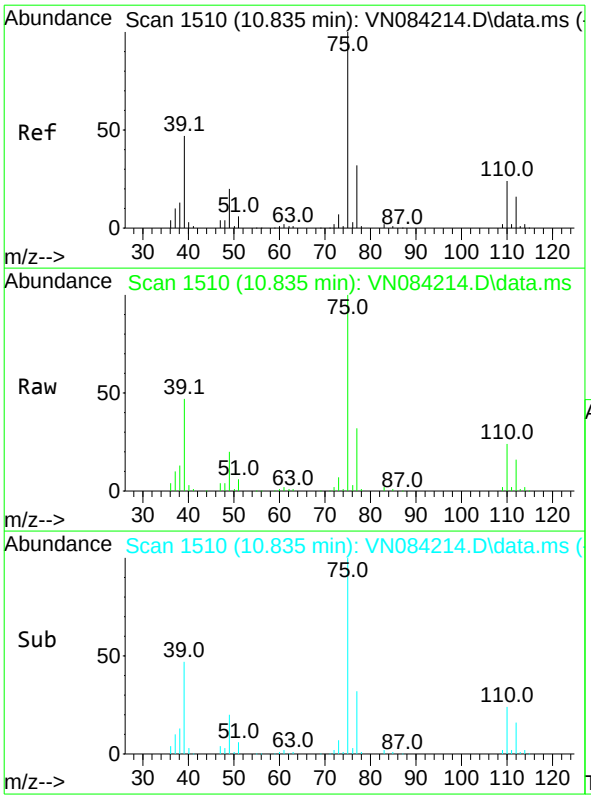


#52
Toluene
Concen: 53.332 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 92 Resp: 295099

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9

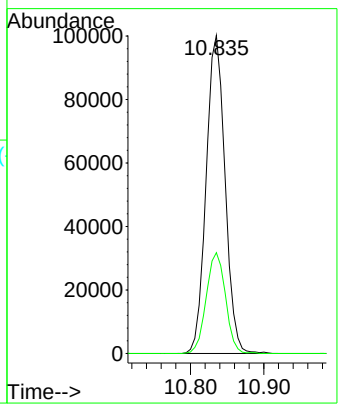




#53
t-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 179453

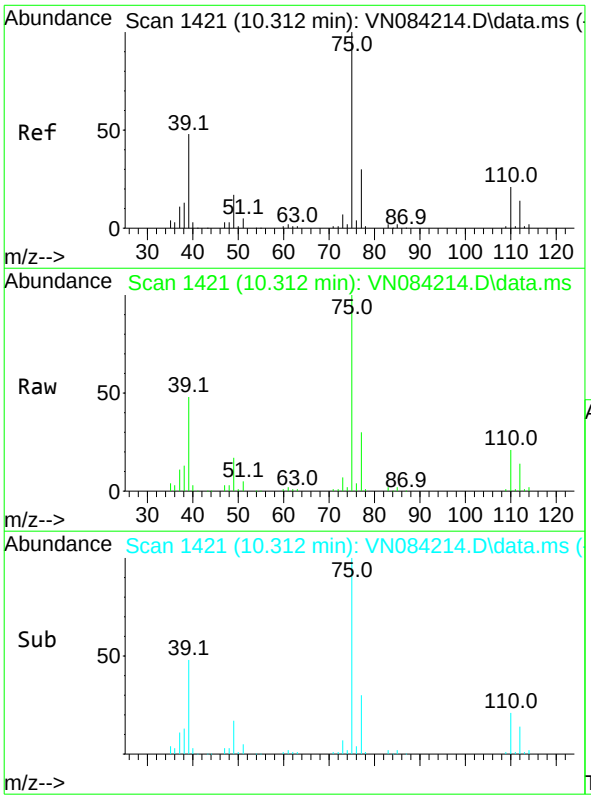
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

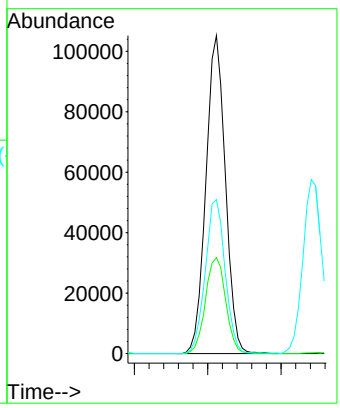
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

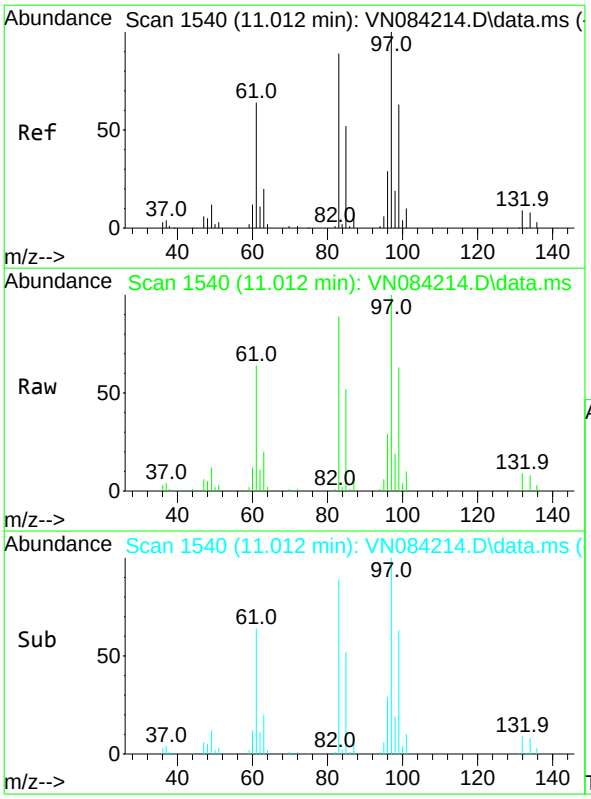


#54
cis-1,3-Dichloropropene
Concen: 54.966 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

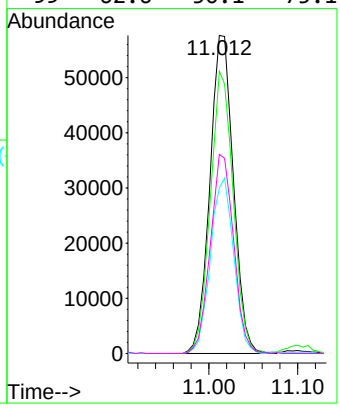




#55
1,1,2-Trichloroethane
Concen: 53.583 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 97 Resp: 106288

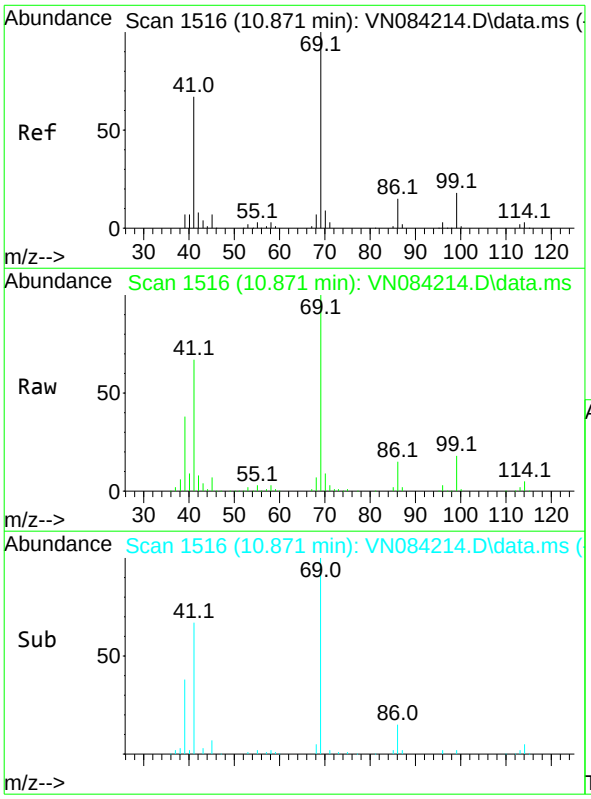
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	52.1	41.7	62.5
99	62.6	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

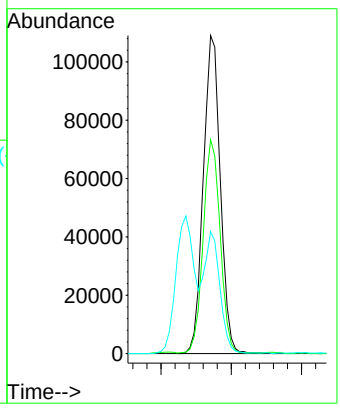
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

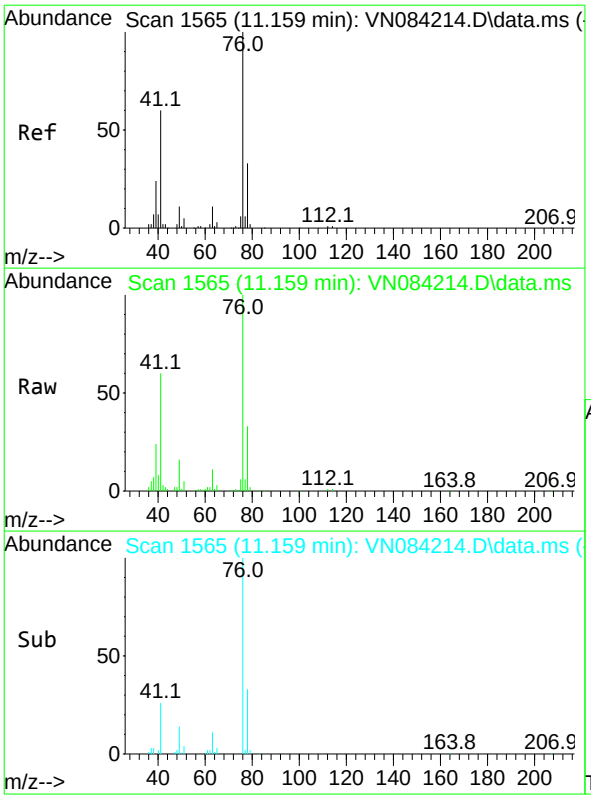


#56
Ethyl methacrylate
Concen: 56.085 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

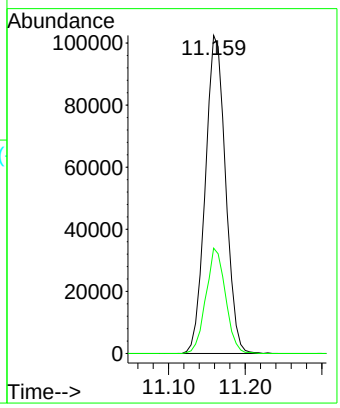




#57
1,3-Dichloropropane
Concen: 52.864 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 76 Resp: 187372

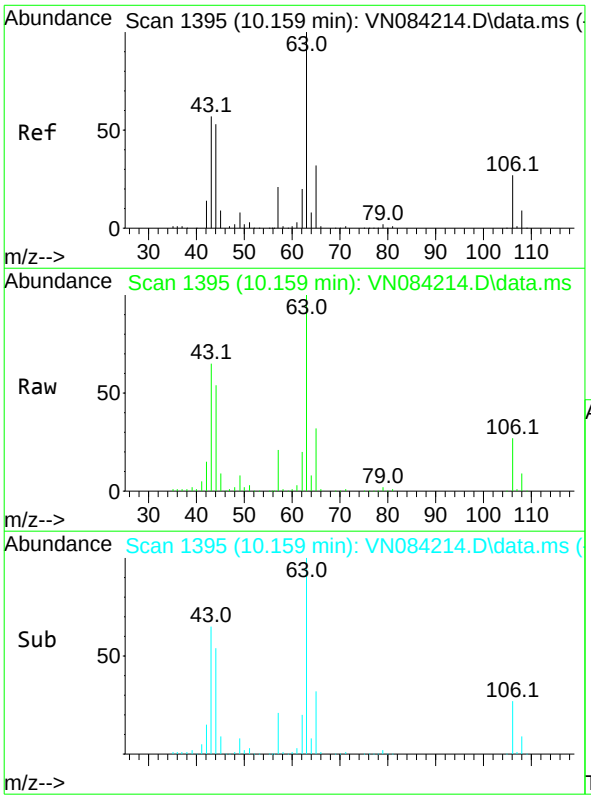
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

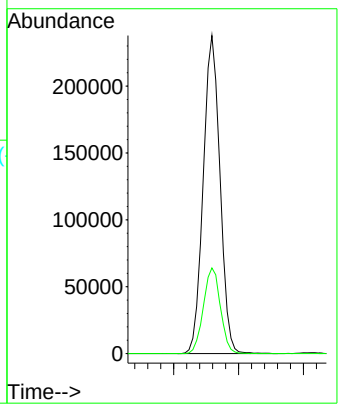
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

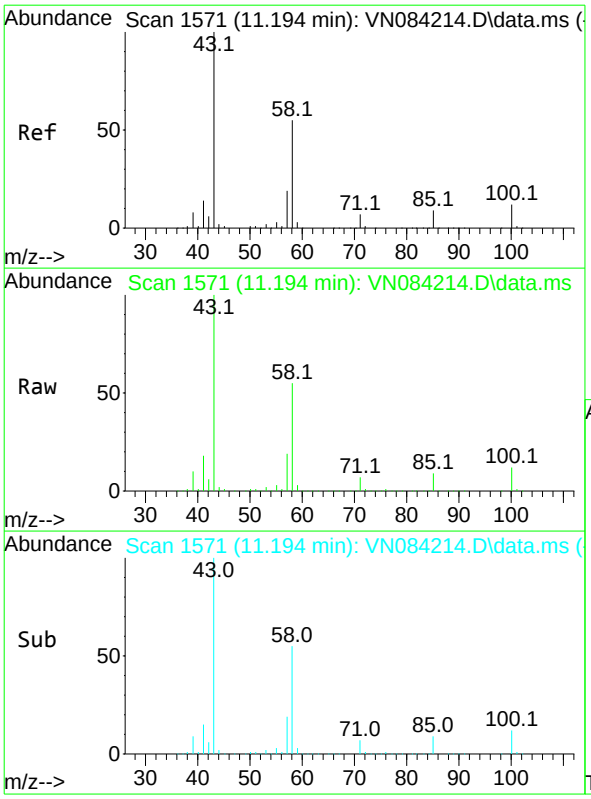


#58
2-Chloroethyl Vinyl ether
Concen: 281.593 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 426364

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6

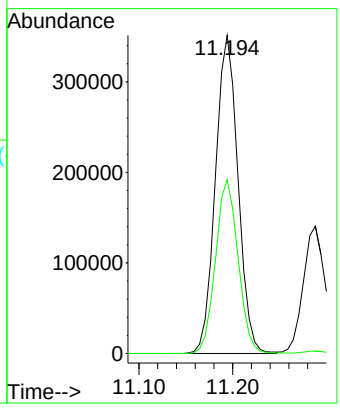




#59
2-Hexanone
Concen: 276.767 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 588361

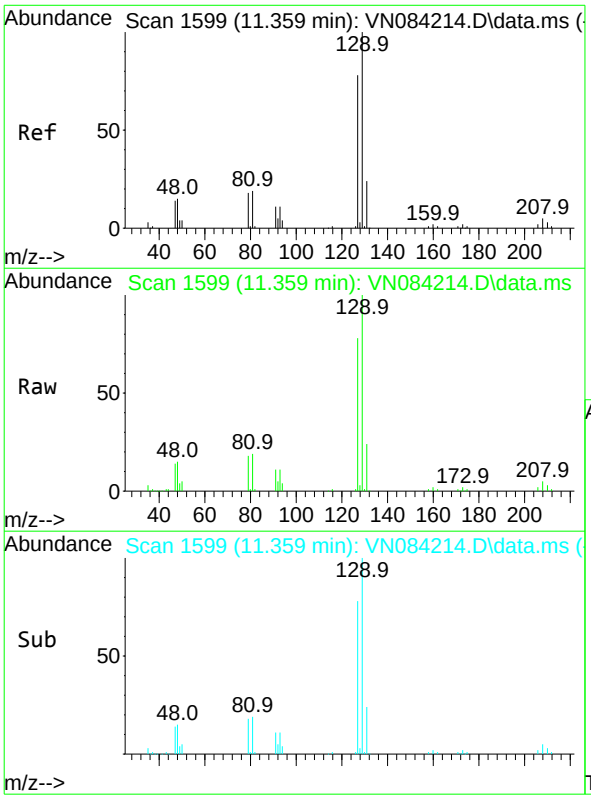
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

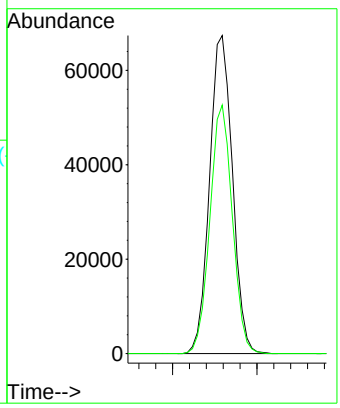
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

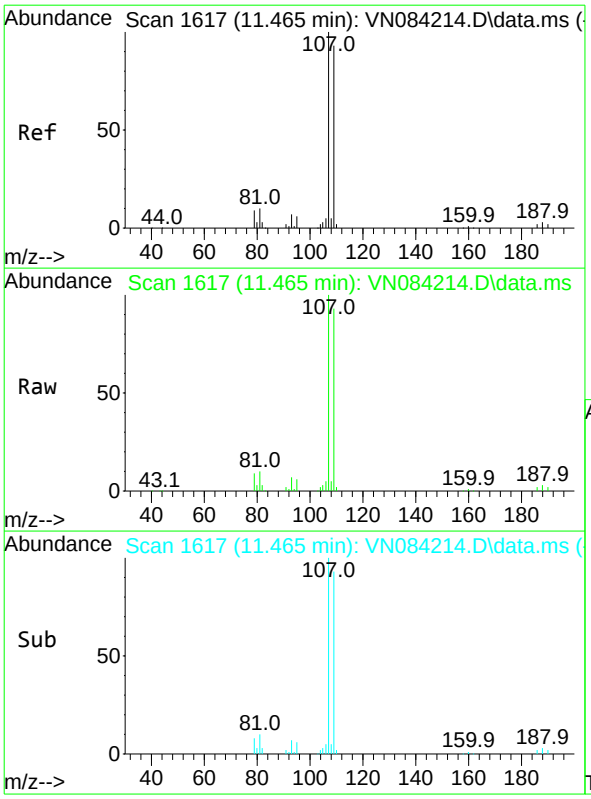


#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:129 Resp: 126992

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

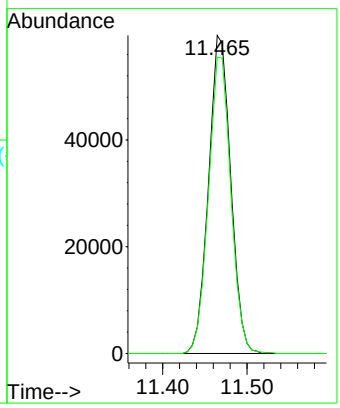




#61
1,2-Dibromoethane
Concen: 52.794 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:107 Resp: 108817

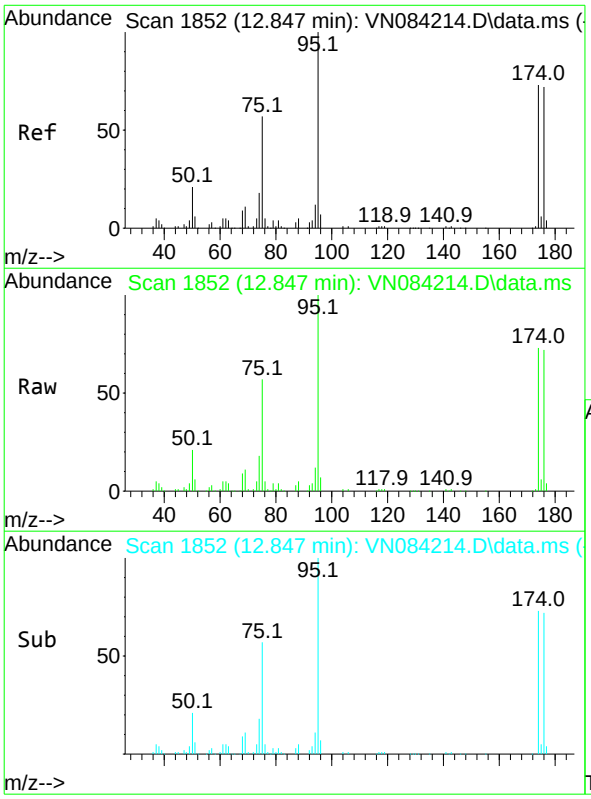
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

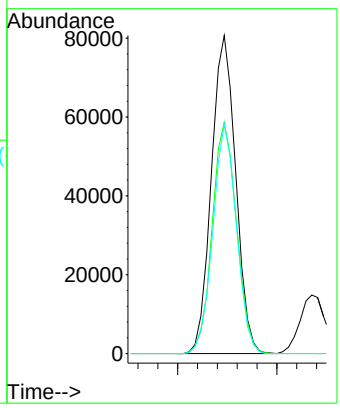
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

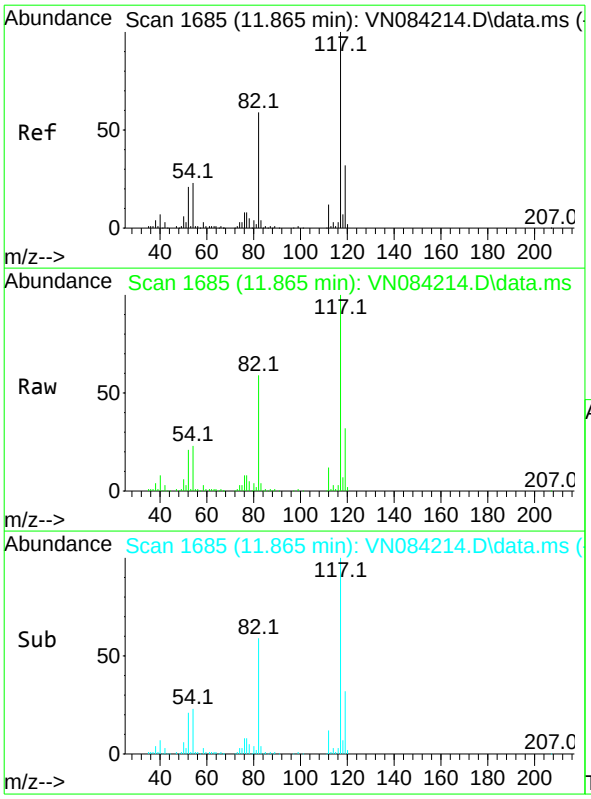


#62
4-Bromofluorobenzene
Concen: 51.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

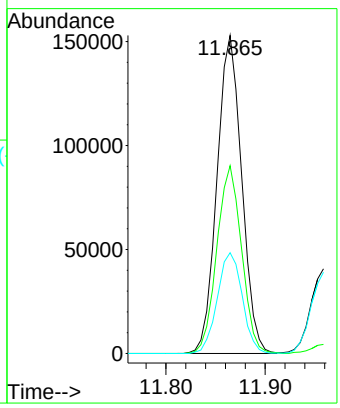




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 264820

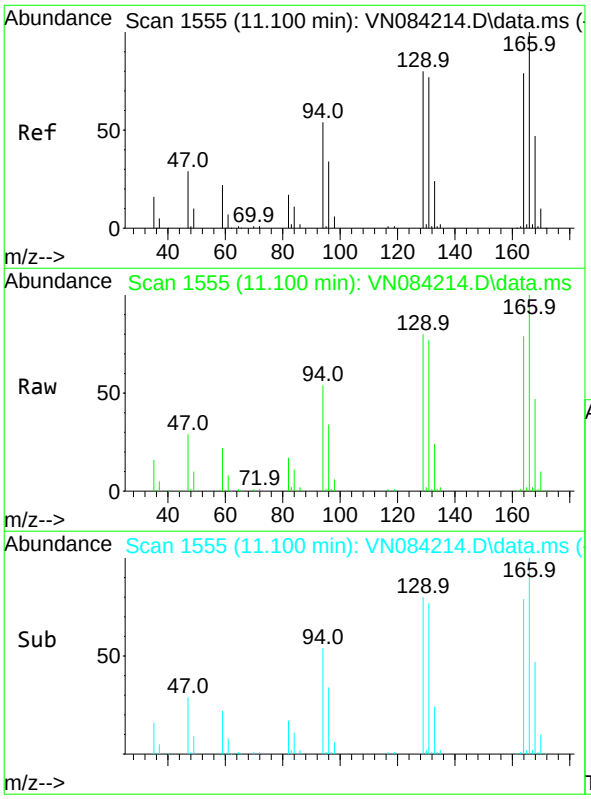
Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.2	70.8
119	31.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

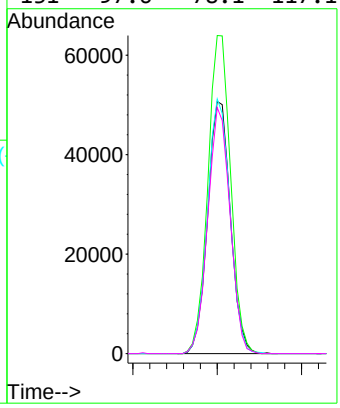
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

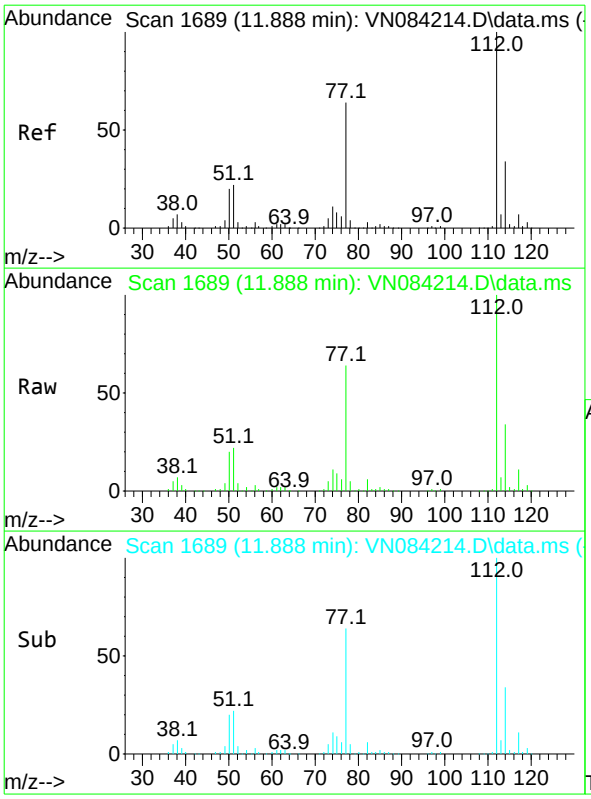


#64
Tetrachloroethene
Concen: 51.486 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

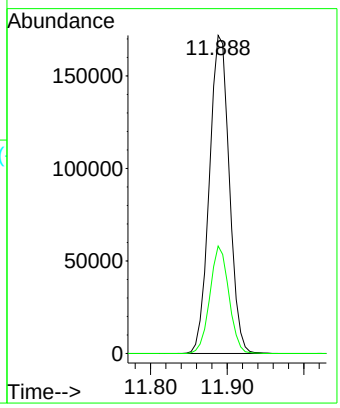




#65
Chlorobenzene
Concen: 52.770 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:112 Resp: 309849

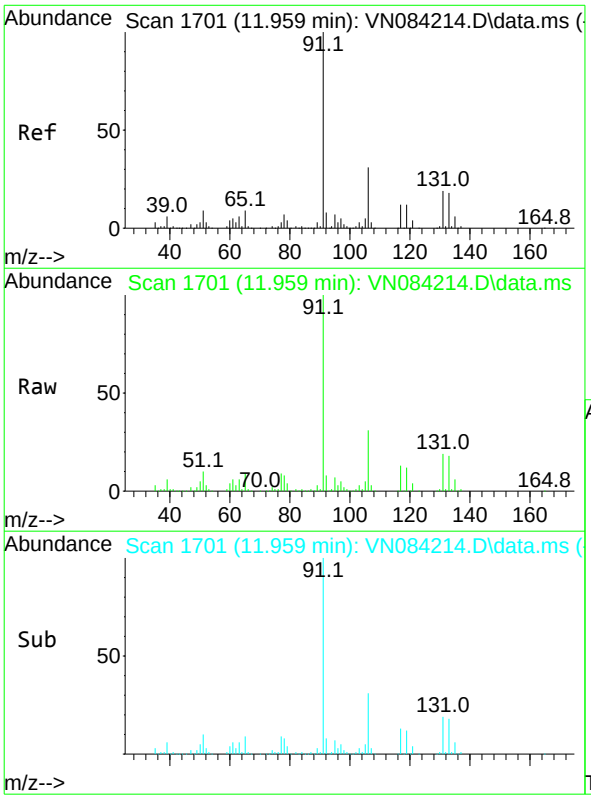
Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

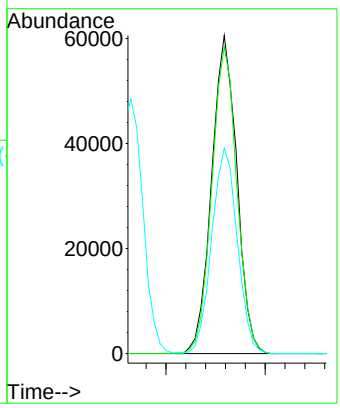
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

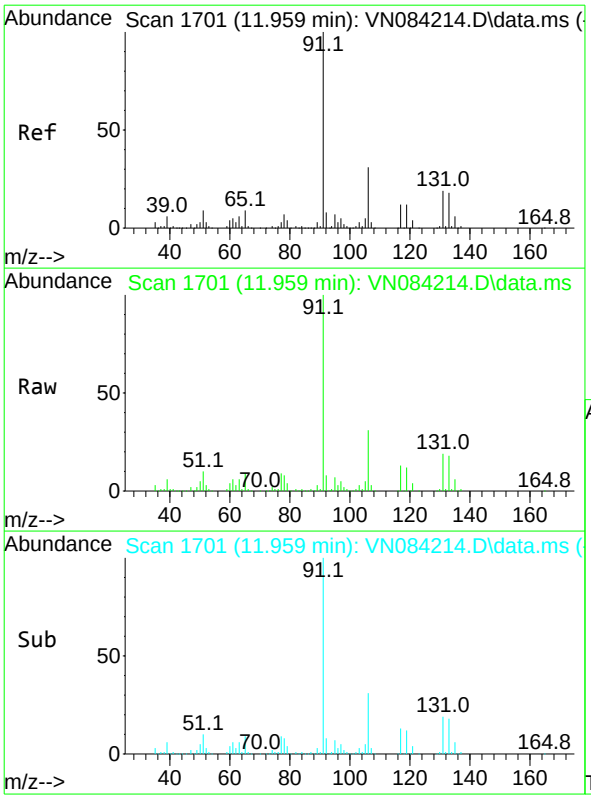


#66
1,1,1,2-Tetrachloroethane
Concen: 52.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

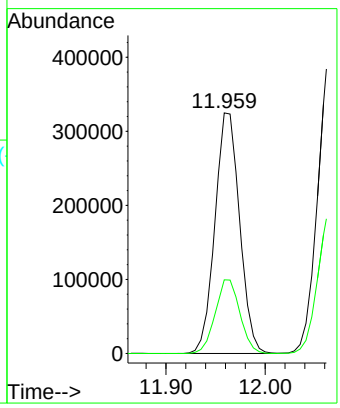




#67
Ethyl Benzene
Concen: 54.100 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 561770

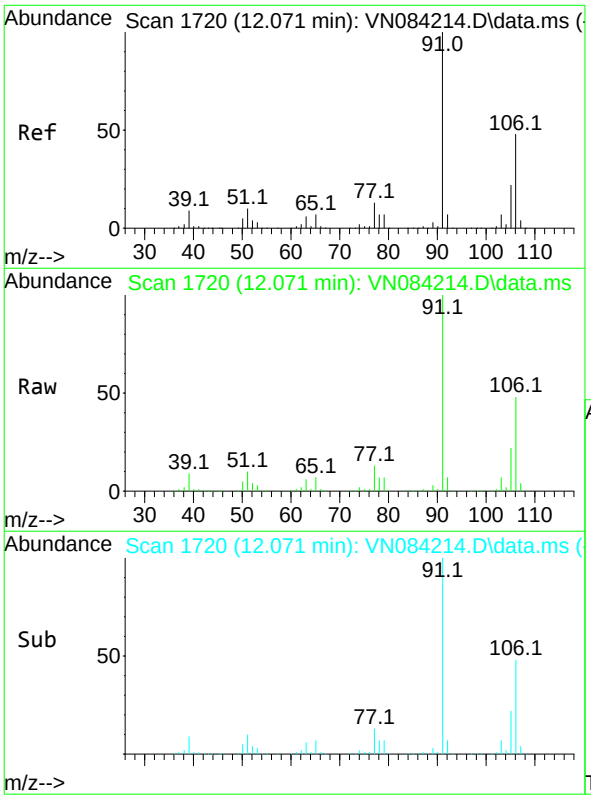
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

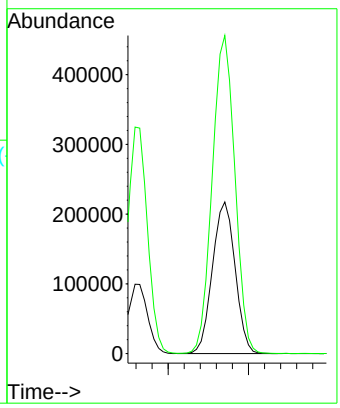
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

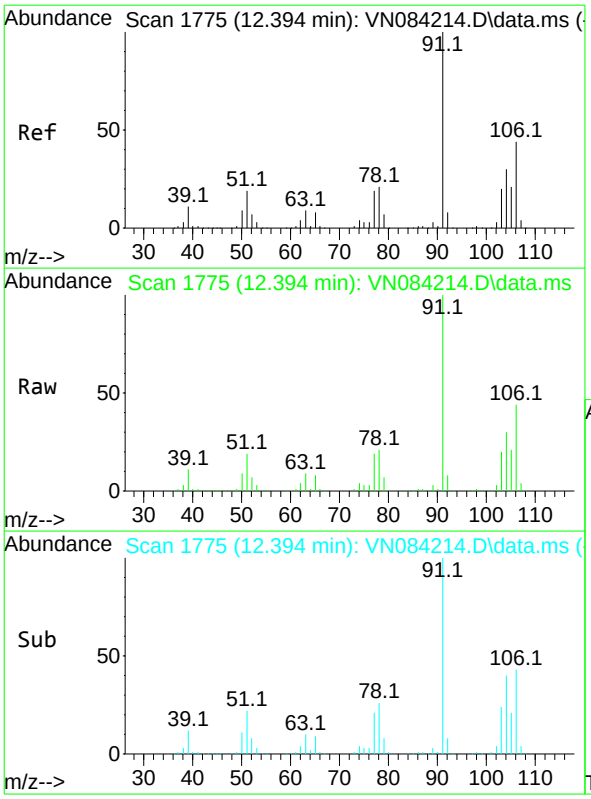


#68
m/p-Xylenes
Concen: 111.201 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 427131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7

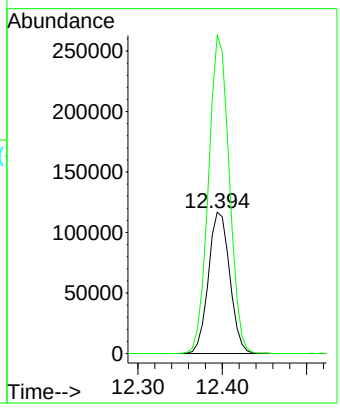




#69
o-Xylene
Concen: 56.370 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 204854

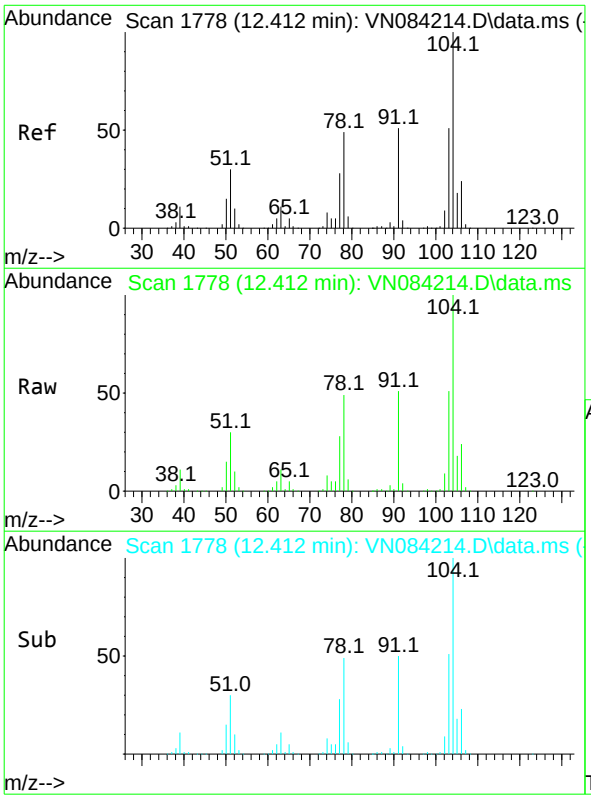
Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

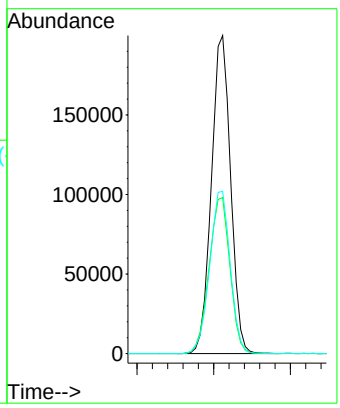
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

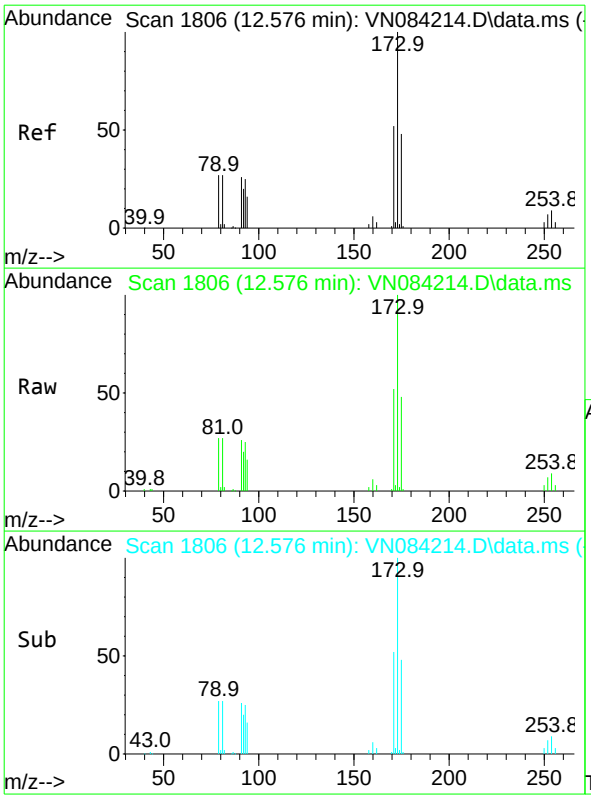


#70
Styrene
Concen: 56.434 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

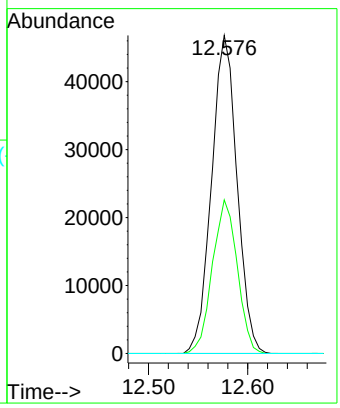




#71
Bromoform
Concen: 56.070 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:173 Resp: 83487

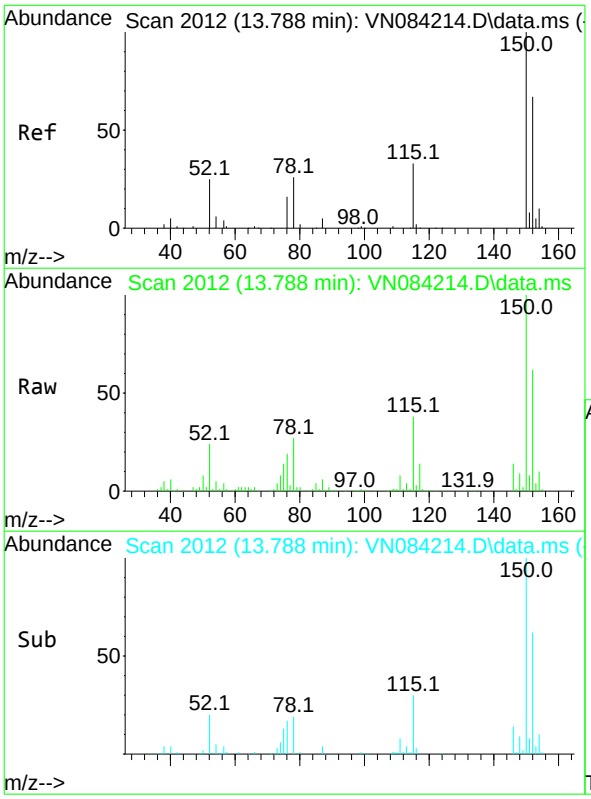
Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

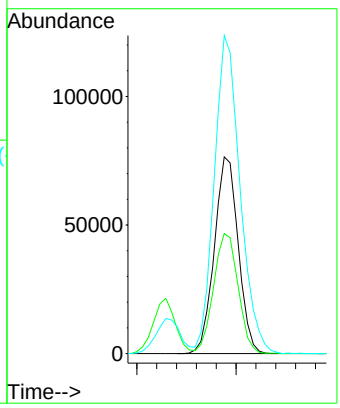
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

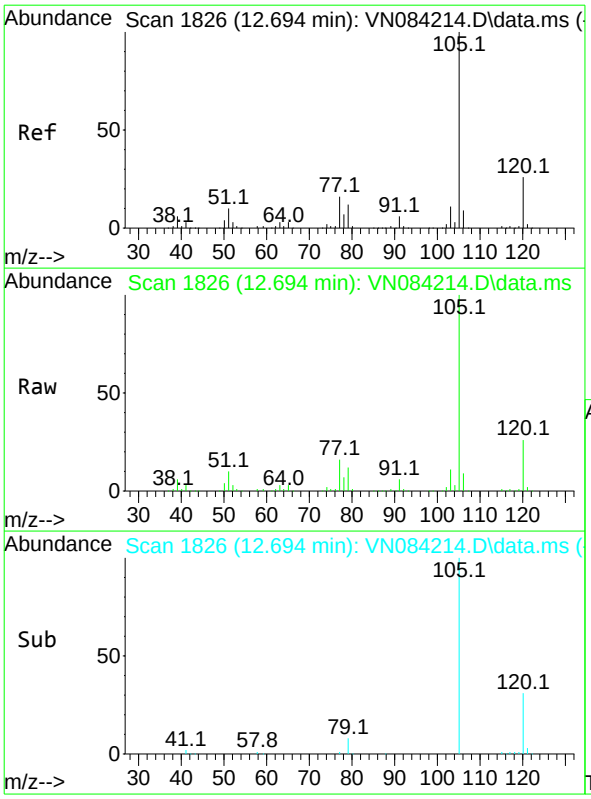


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

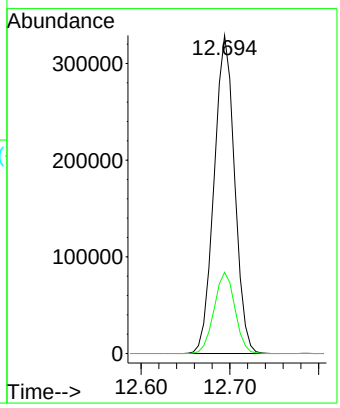




#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 527625

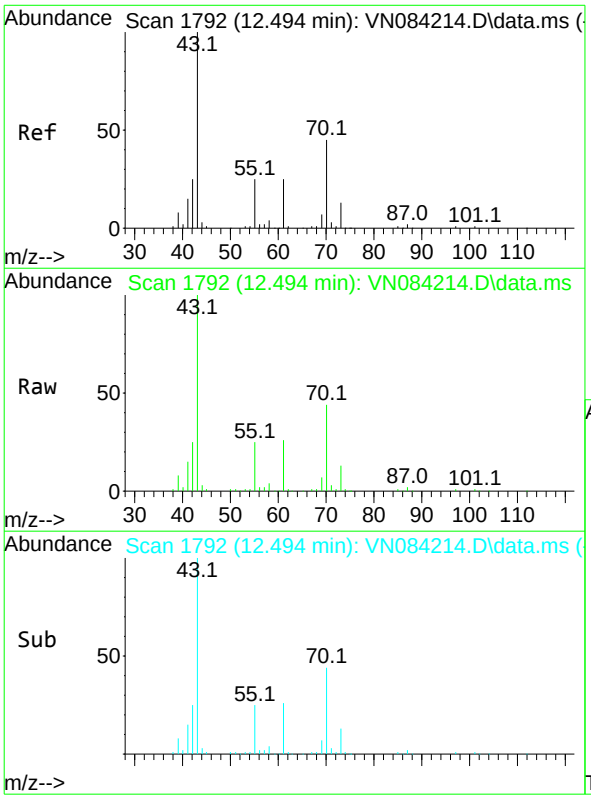
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

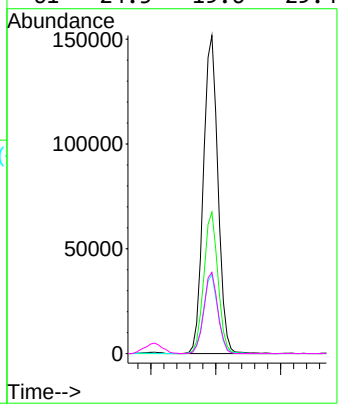
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

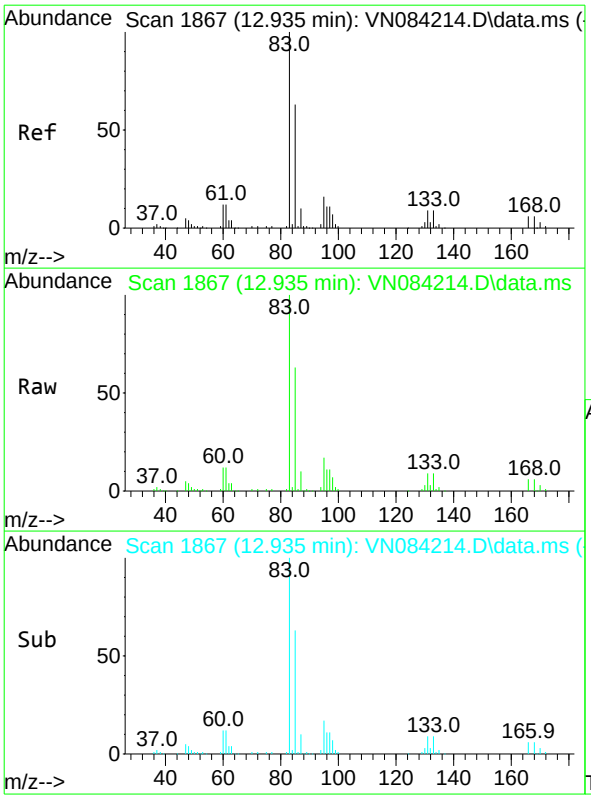


#74
N-amyl acetate
Concen: 53.738 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

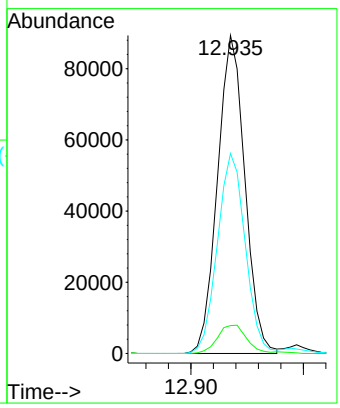




#75
1,1,2,2-Tetrachloroethane
Concen: 51.560 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 151079

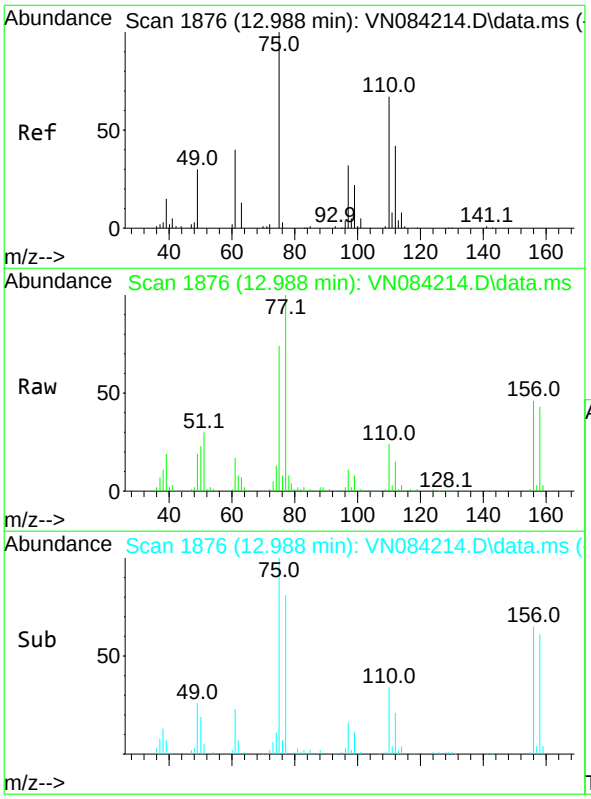
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

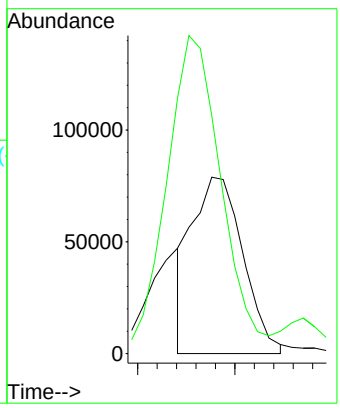
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

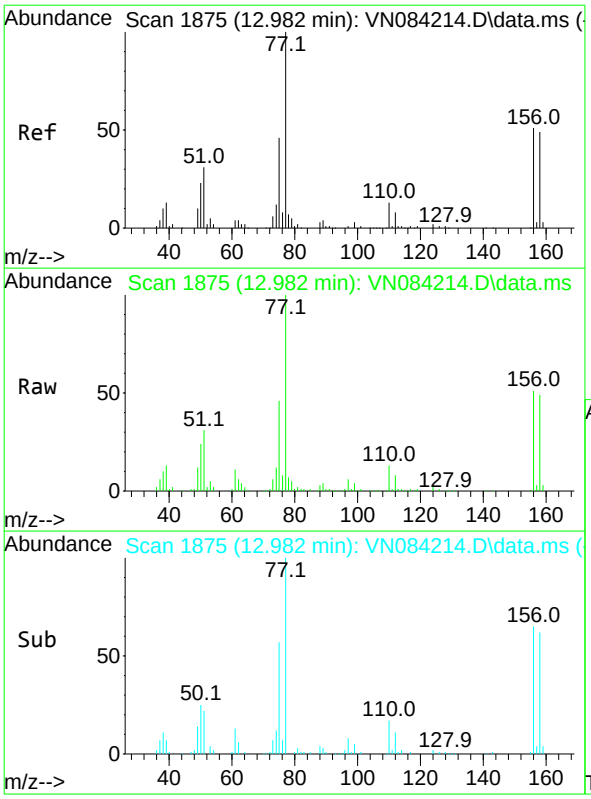


#76
1,2,3-Trichloropropane
Concen: 56.449 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 143676

Ion	Ratio	Lower	Upper
75	100		
77	193.8	96.9	290.7

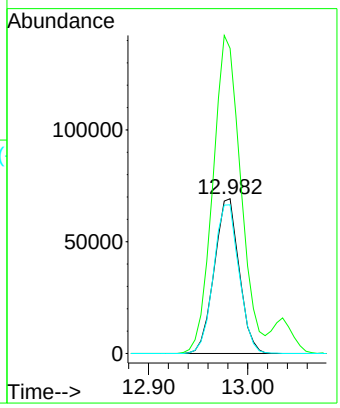




#77
Bromobenzene
Concen: 51.442 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:156 Resp: 120918

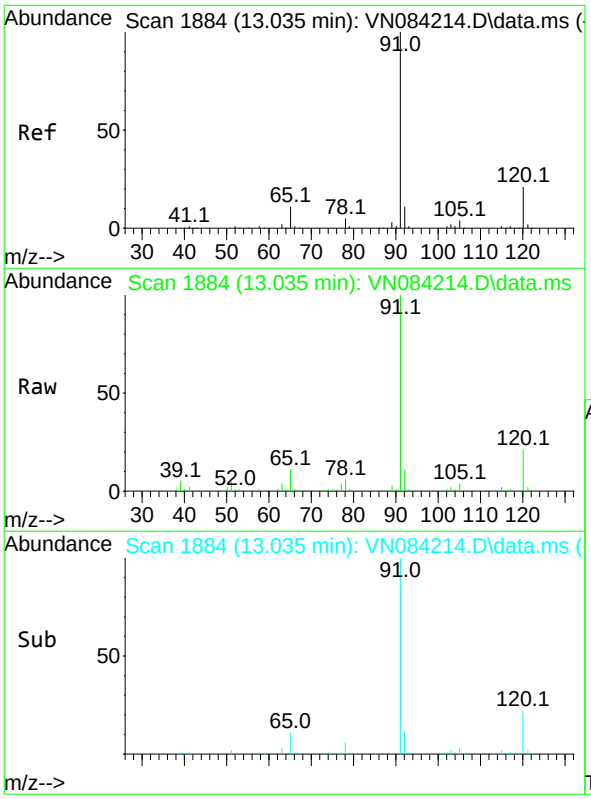
Ion	Ratio	Lower	Upper
156	100		
77	230.2	115.1	345.3
158	97.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

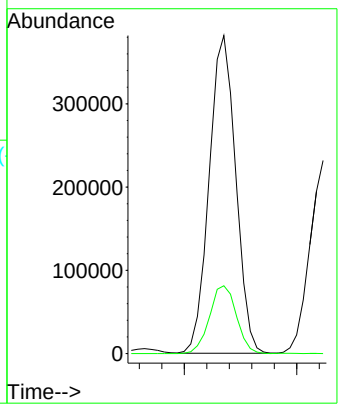
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

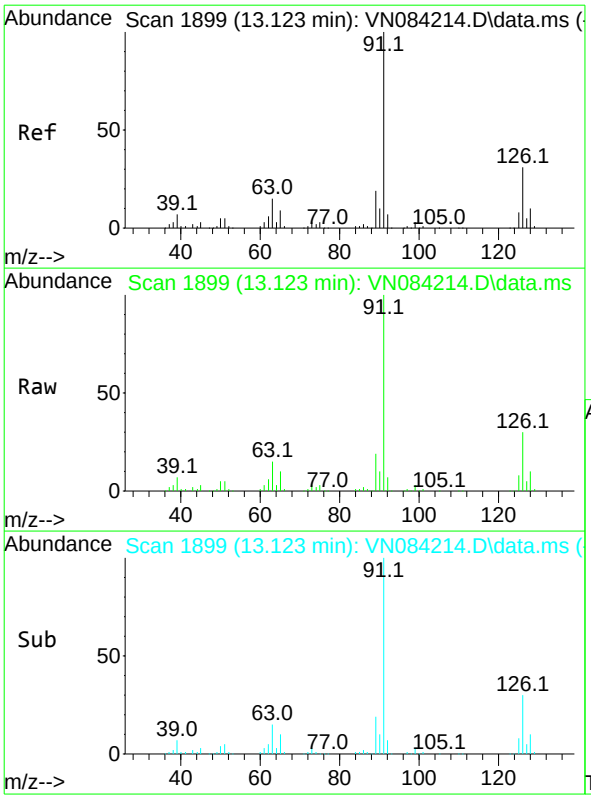


#78
n-propylbenzene
Concen: 55.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 626503

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4

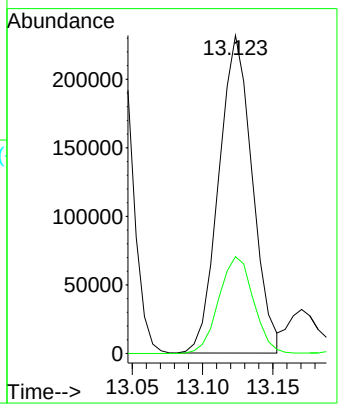




#79
2-Chlorotoluene
Concen: 53.411 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 384795

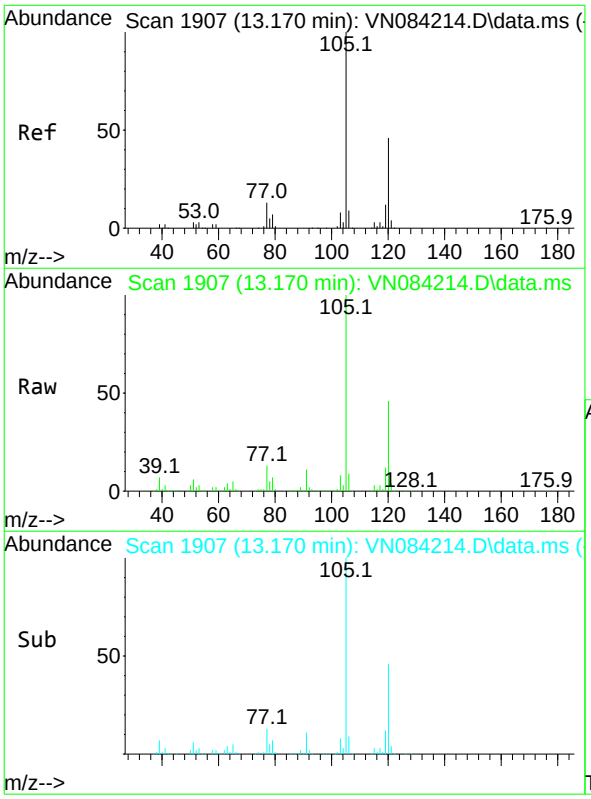
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

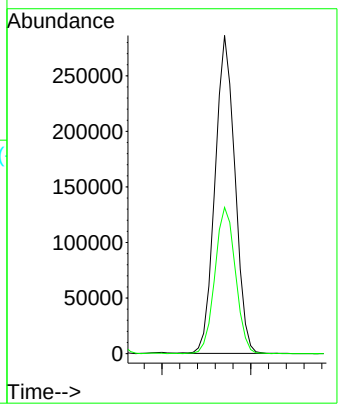
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

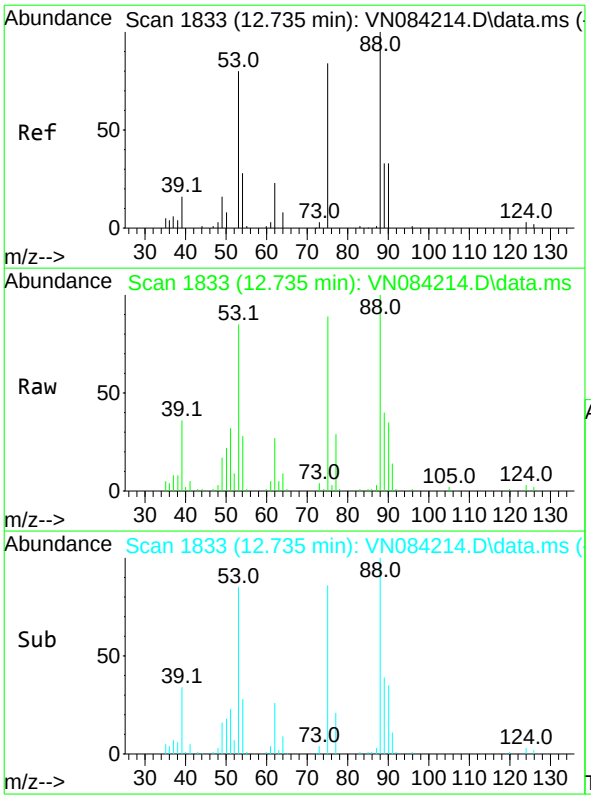


#80
1,3,5-Trimethylbenzene
Concen: 56.084 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 445807

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

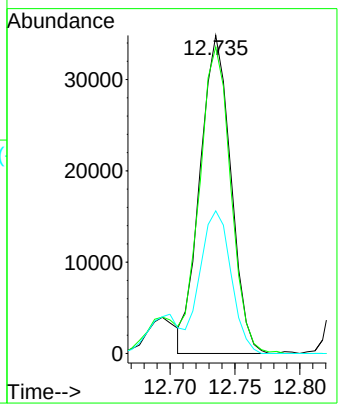




#81
trans-1,4-Dichloro-2-butene
Concen: 52.943 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 57572

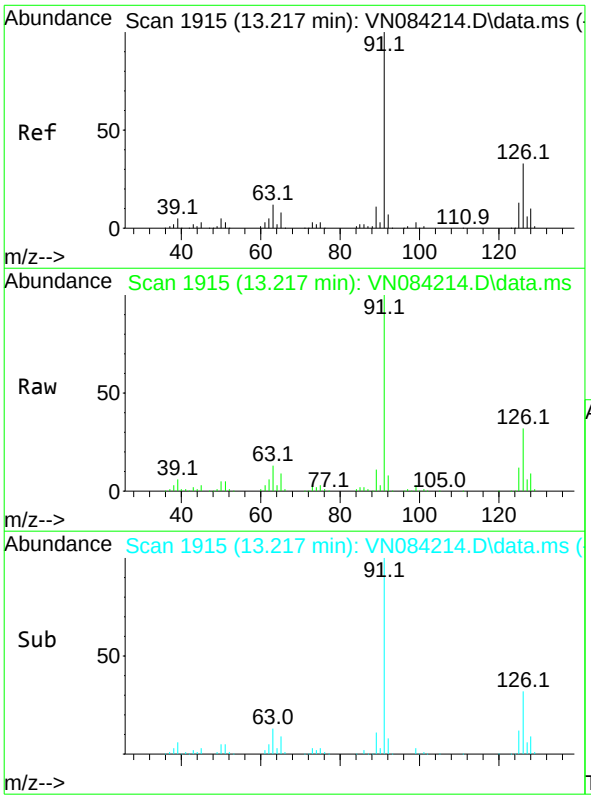
Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	44.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

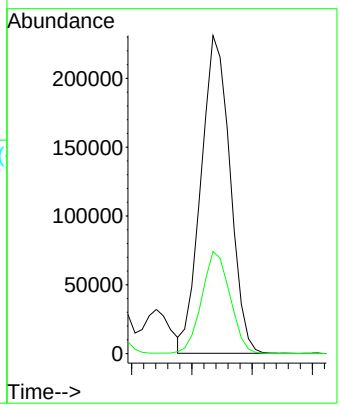
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

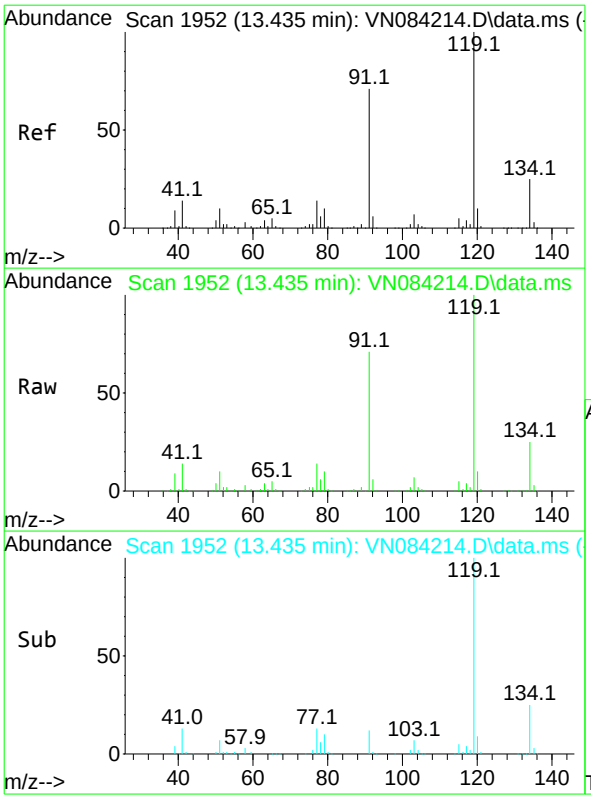


#82
4-Chlorotoluene
Concen: 53.341 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 386854

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

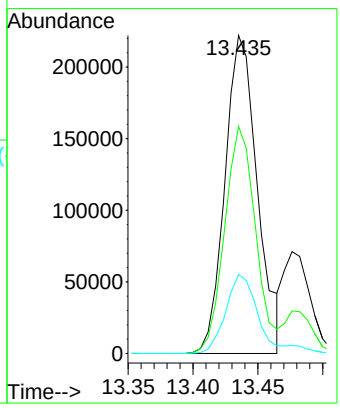




#83
tert-Butylbenzene
Concen: 54.711 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:119 Resp: 386532

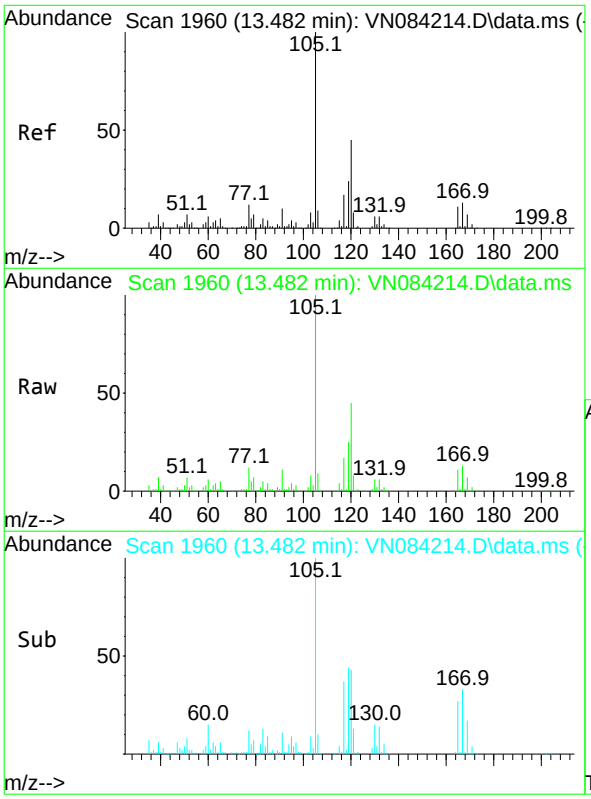
Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

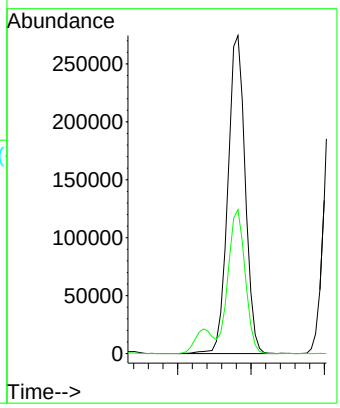
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

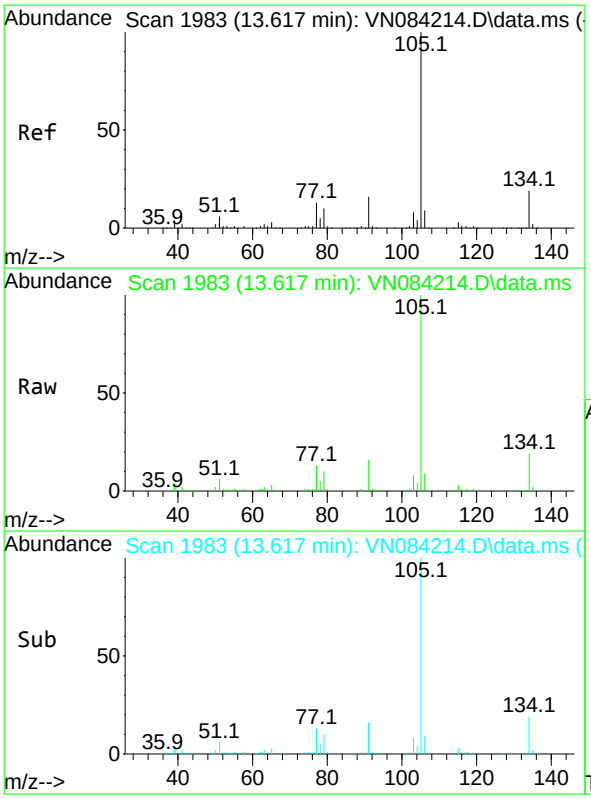


#84
1,2,4-Trimethylbenzene
Concen: 56.161 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 449720

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8

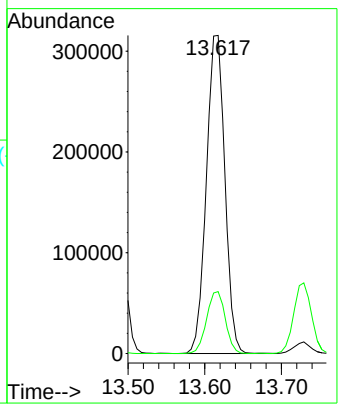




#85
sec-Butylbenzene
Concen: 56.119 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 529076

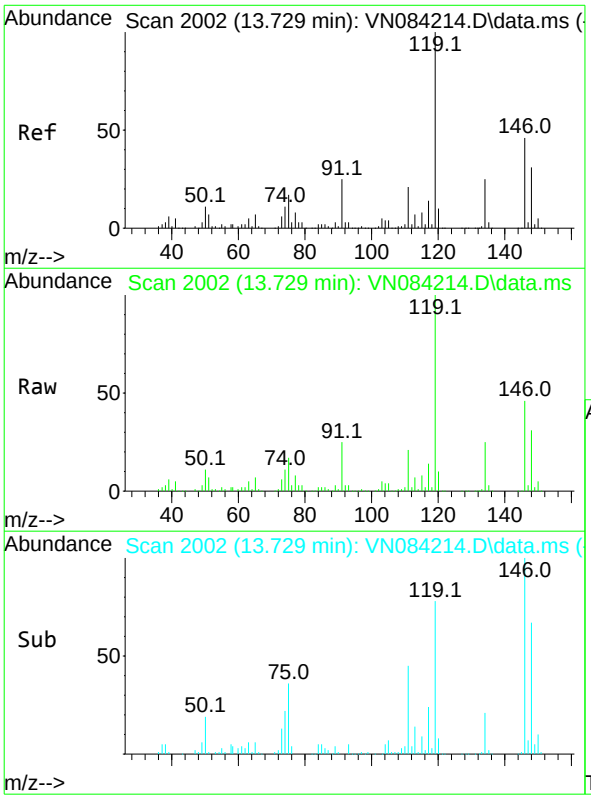
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

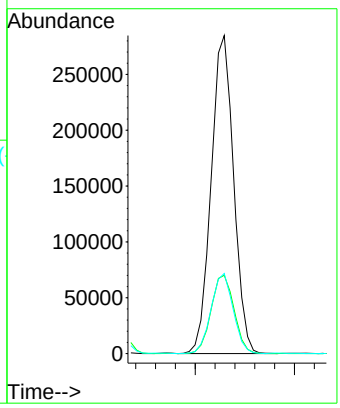
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

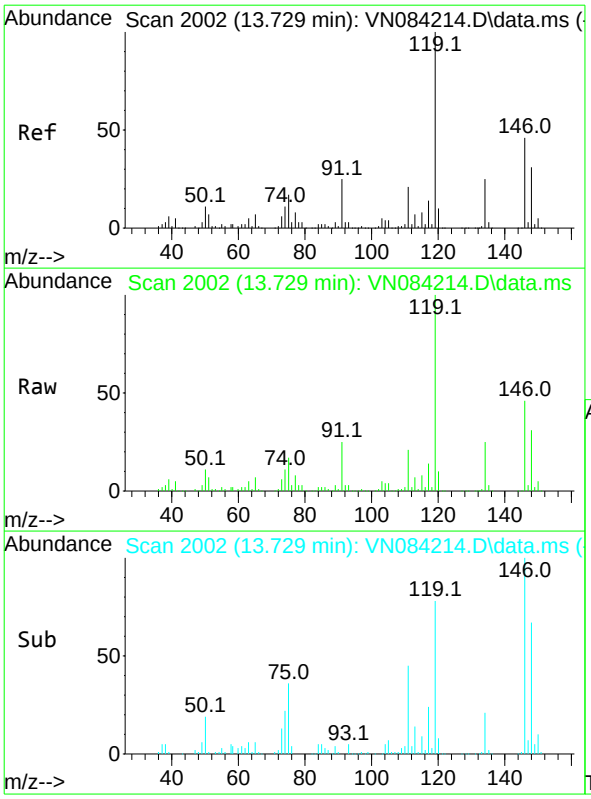


#86
p-Isopropyltoluene
Concen: 57.485 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

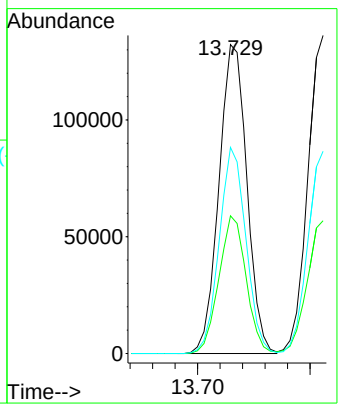




#87
1,3-Dichlorobenzene
Concen: 51.755 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 228219

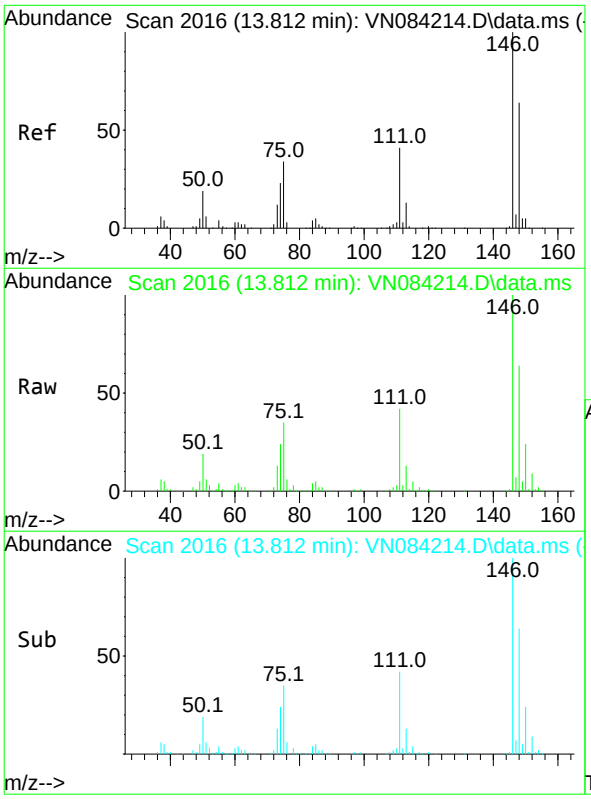
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

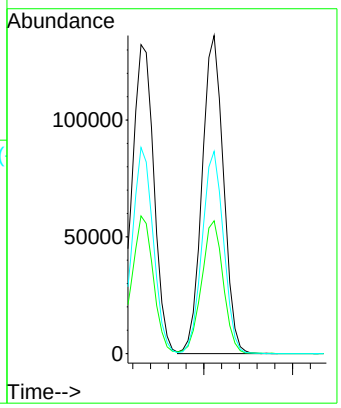
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

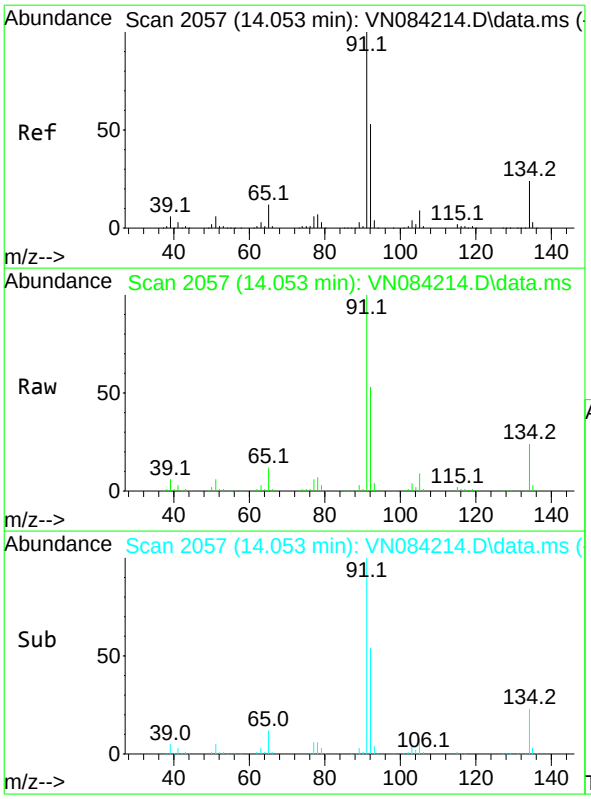


#88
1,4-Dichlorobenzene
Concen: 51.163 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

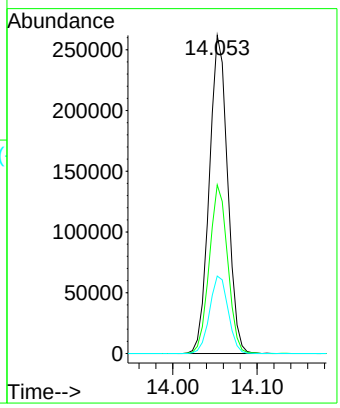




#89
n-Butylbenzene
Concen: 55.854 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 394831

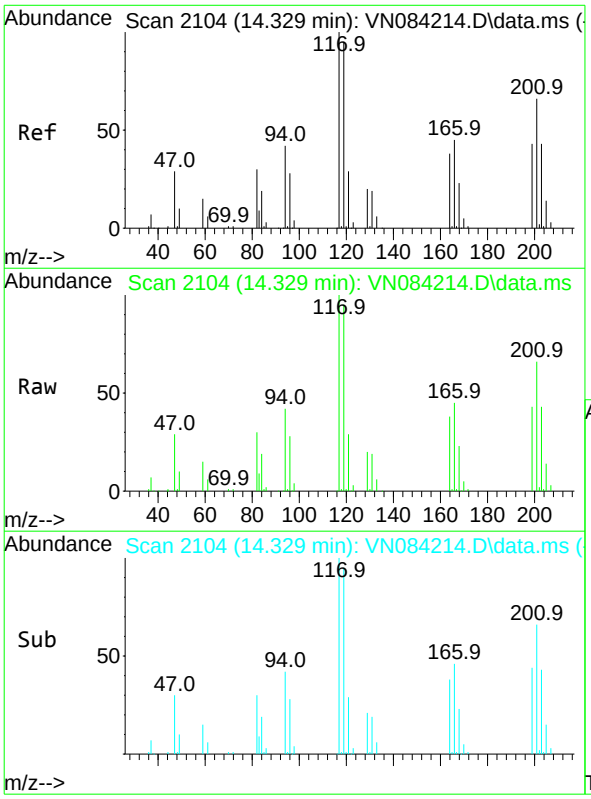
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.6	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

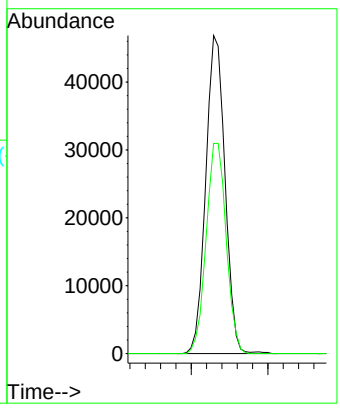
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

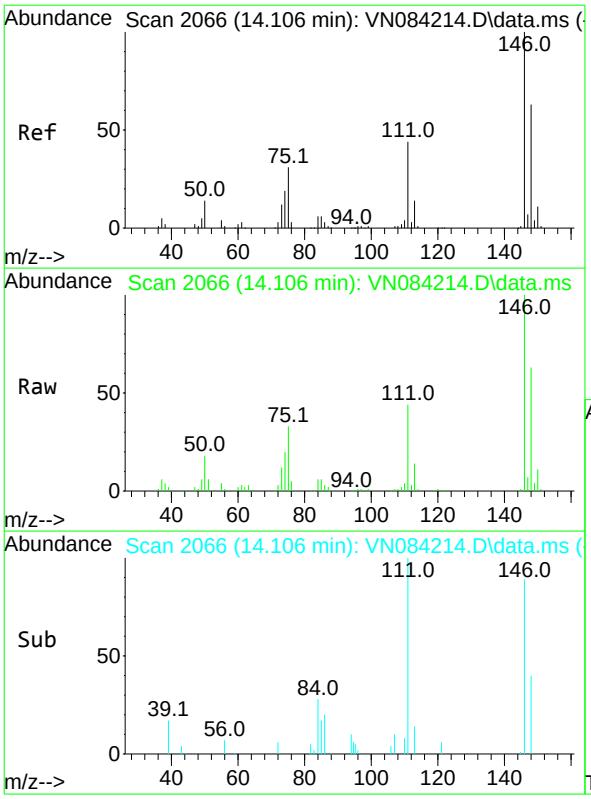


#90
Hexachloroethane
Concen: 51.582 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 81626

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2

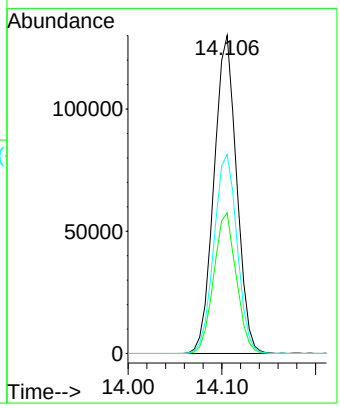




#91
1,2-Dichlorobenzene
Concen: 50.506 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:146 Resp: 218378

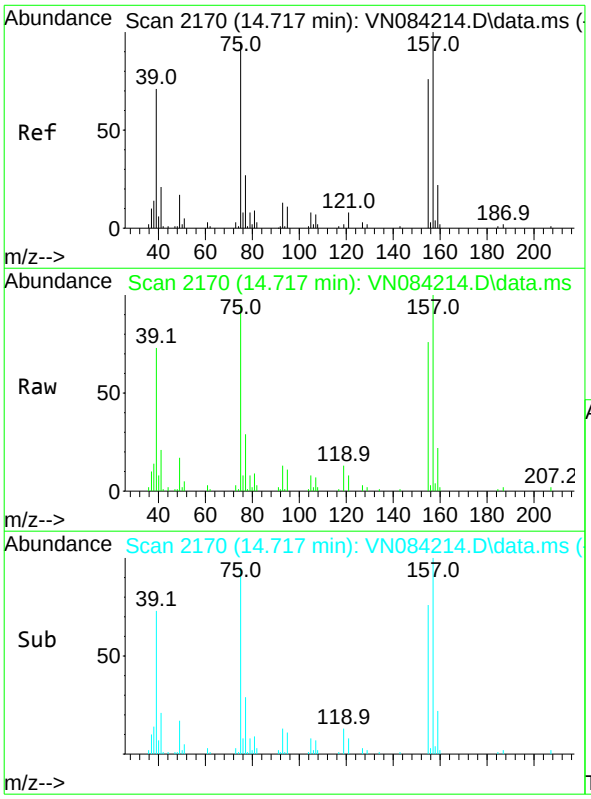
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

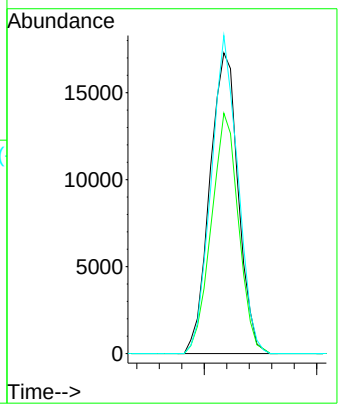
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

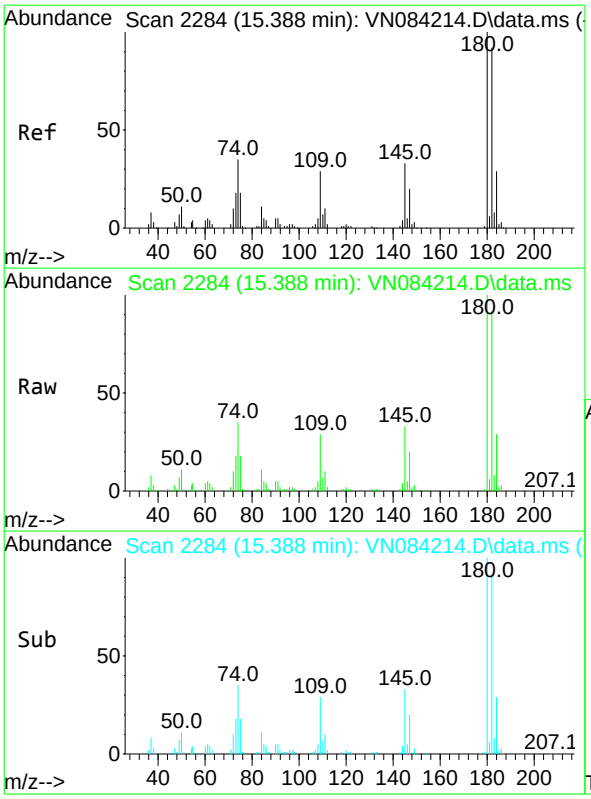


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

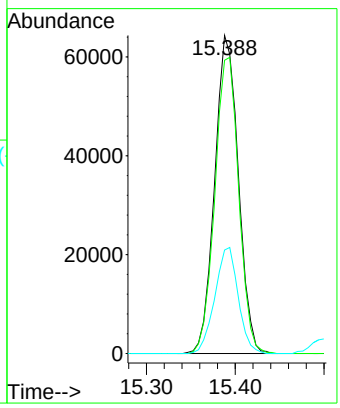




#93
1,2,4-Trichlorobenzene
Concen: 55.953 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:180 Resp: 119164

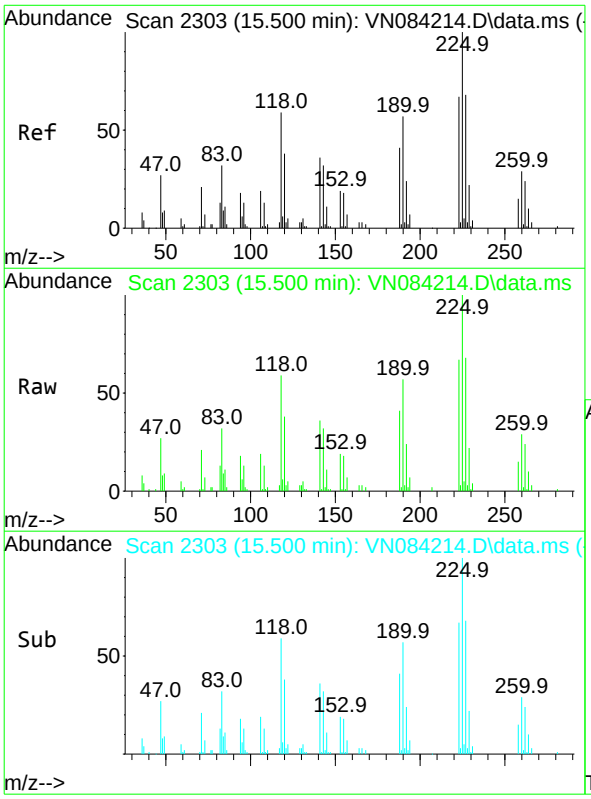
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

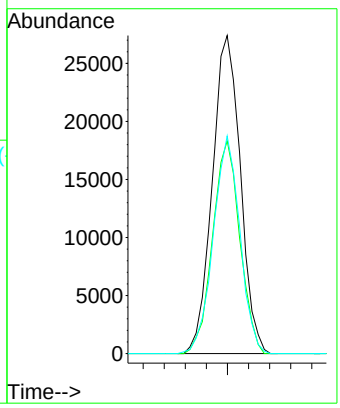
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

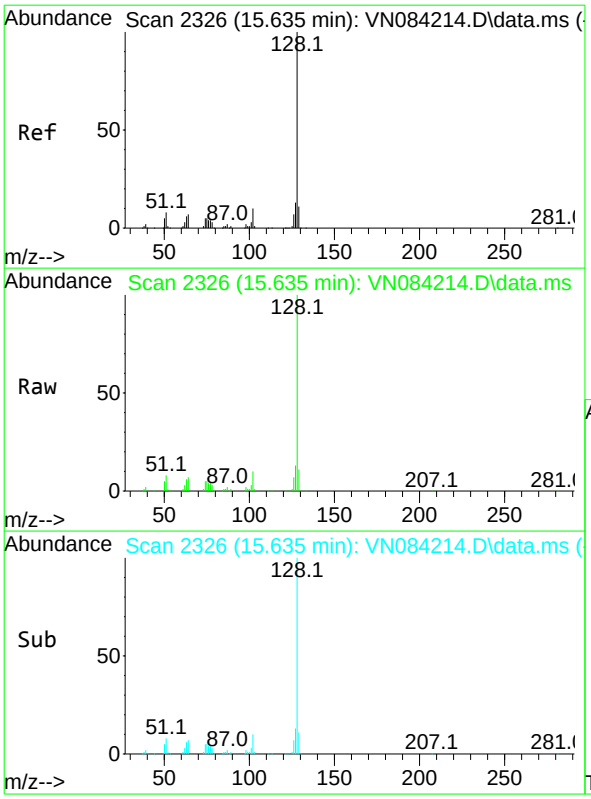


#94
Hexachlorobutadiene
Concen: 47.718 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

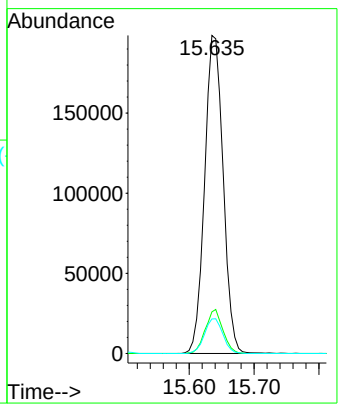




#95
Naphthalene
Concen: 55.688 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:128 Resp: 393177

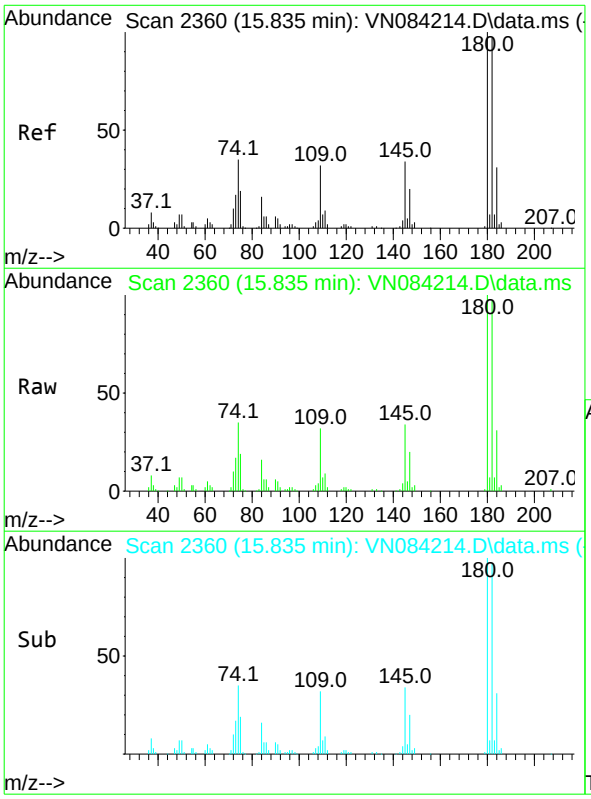
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

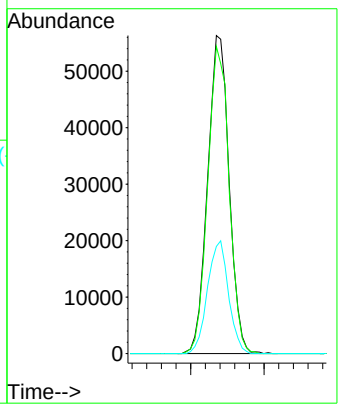
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

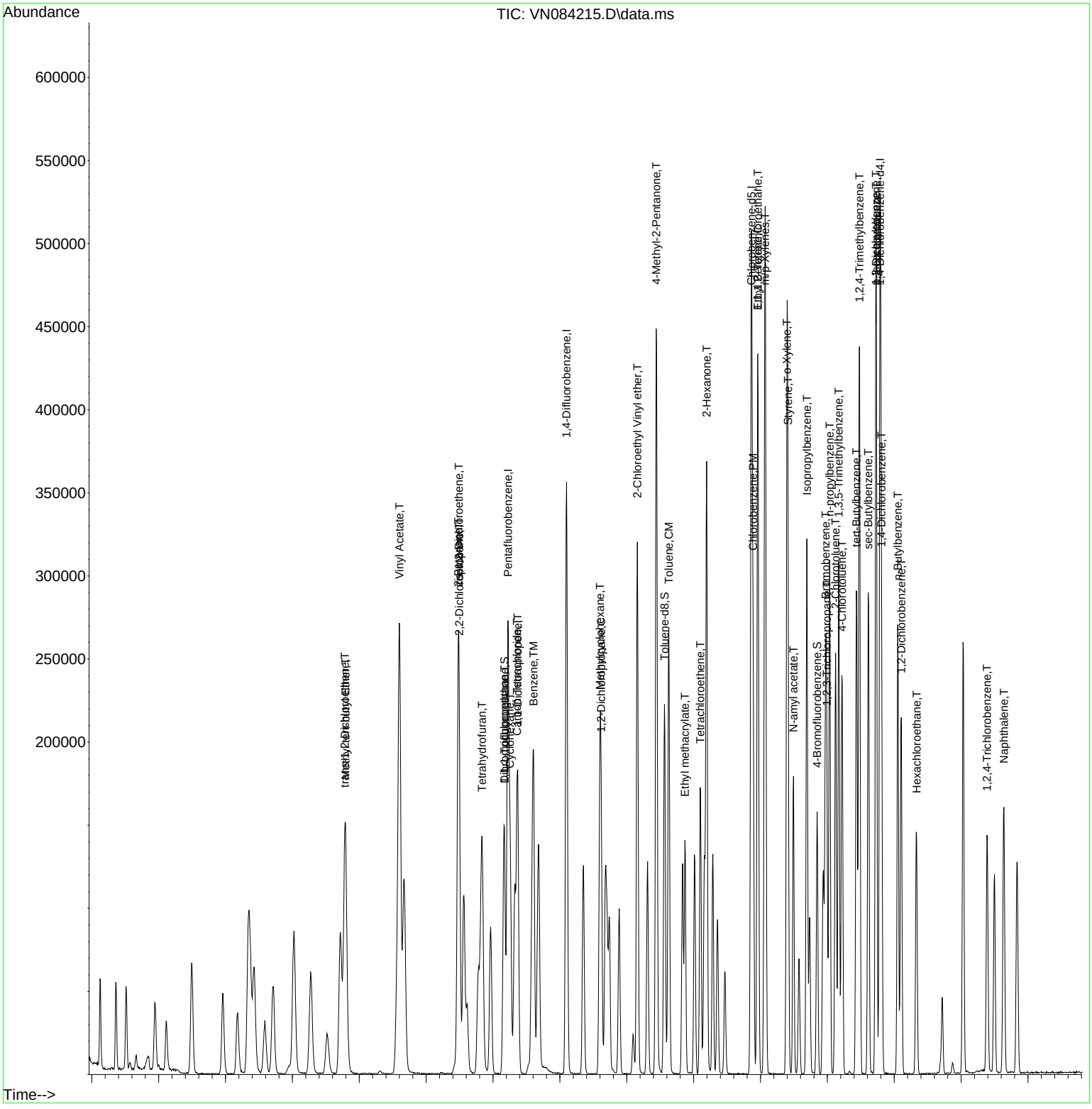
ICAL Form

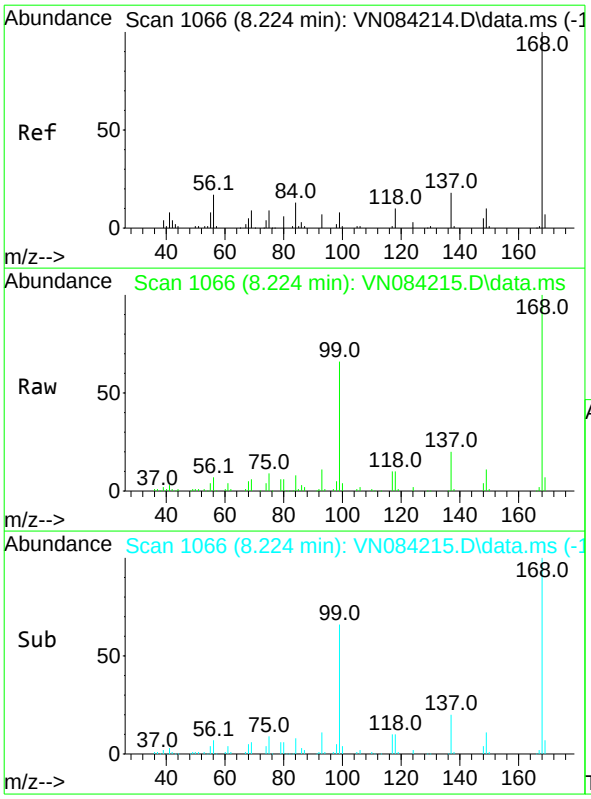
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Data File : VN084215.D
Acq On : 30 Sep 2024 13:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

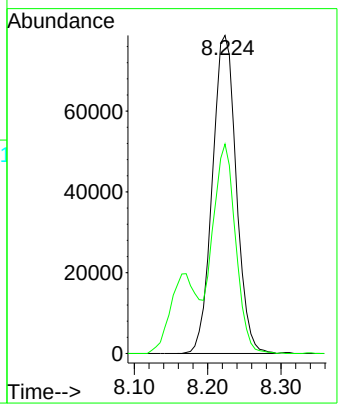




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:168 Resp: 178087

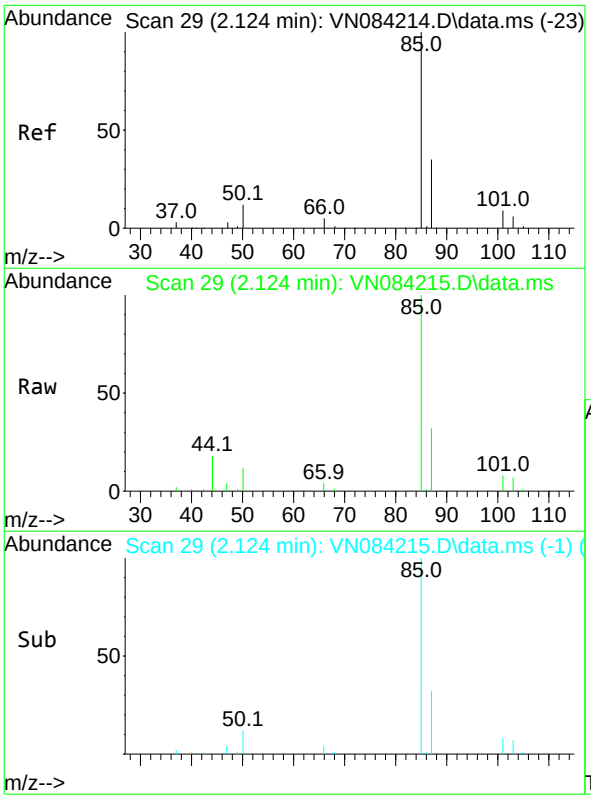
Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

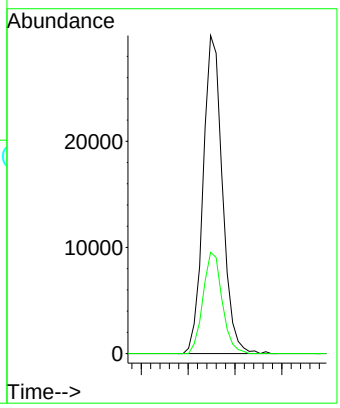
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

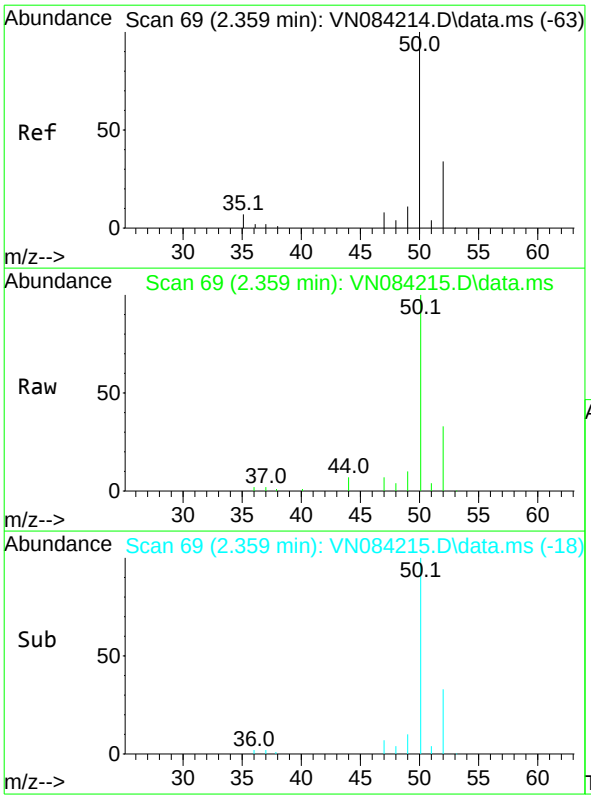


#2
Dichlorodifluoromethane
Concen: 20.275 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 85 Resp: 42709

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

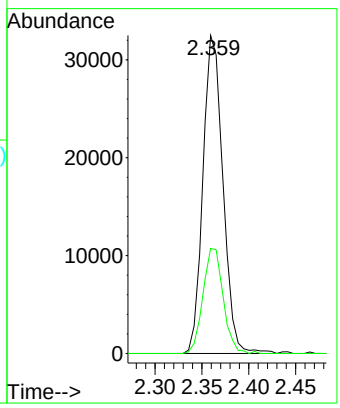




#3
Chloromethane
Concen: 20.047 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 50 Resp: 48218

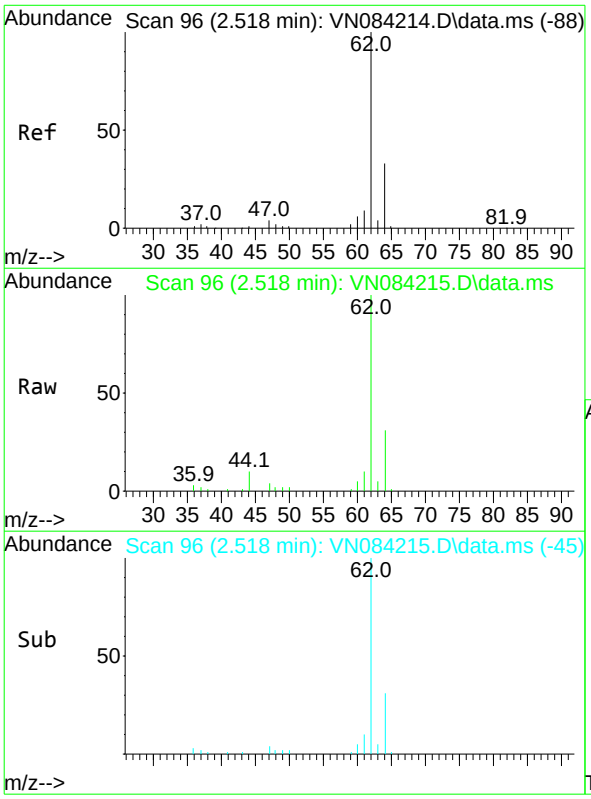
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

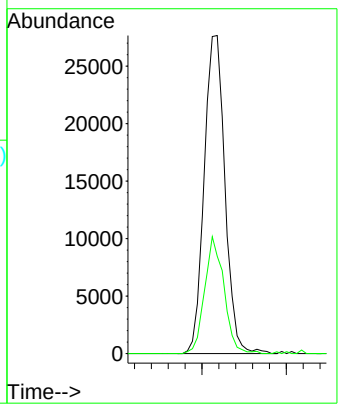
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

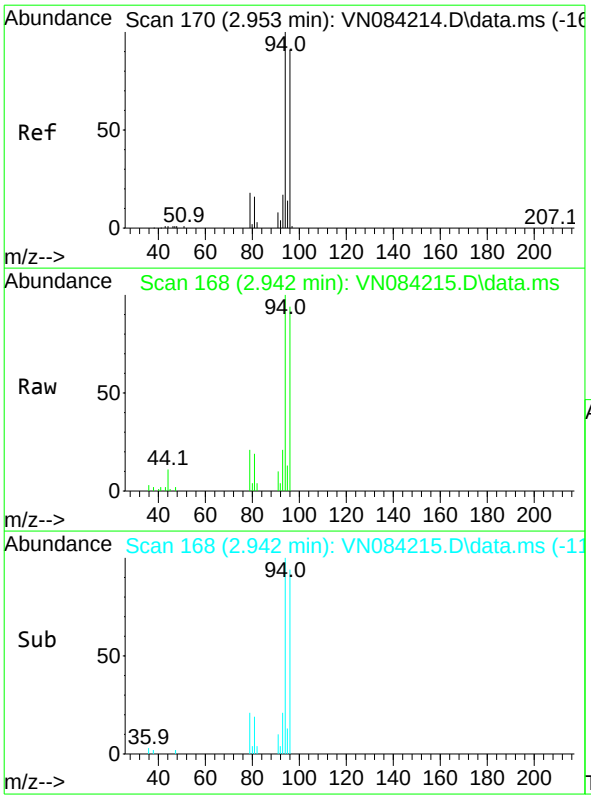


#4
Vinyl Chloride
Concen: 20.334 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 47375

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4

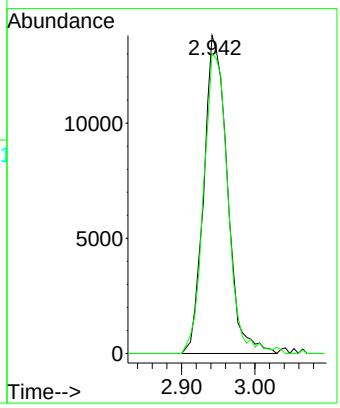




#5
Bromomethane
Concen: 20.010 ug/l
RT: 2.942 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 94 Resp: 30751

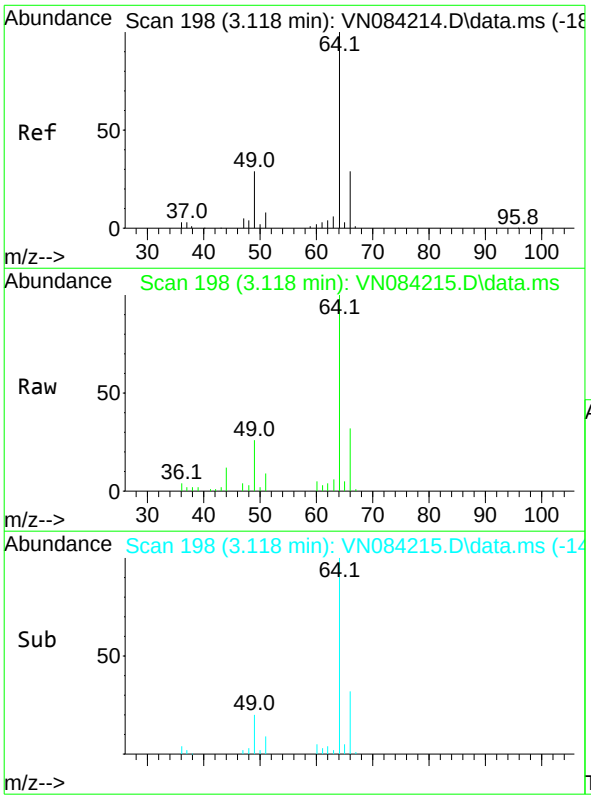
Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

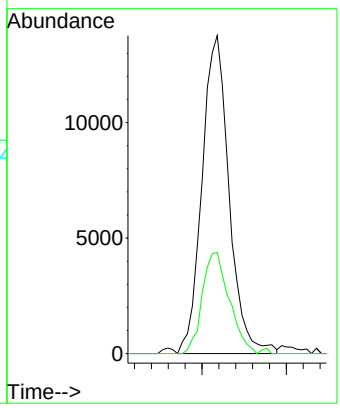
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

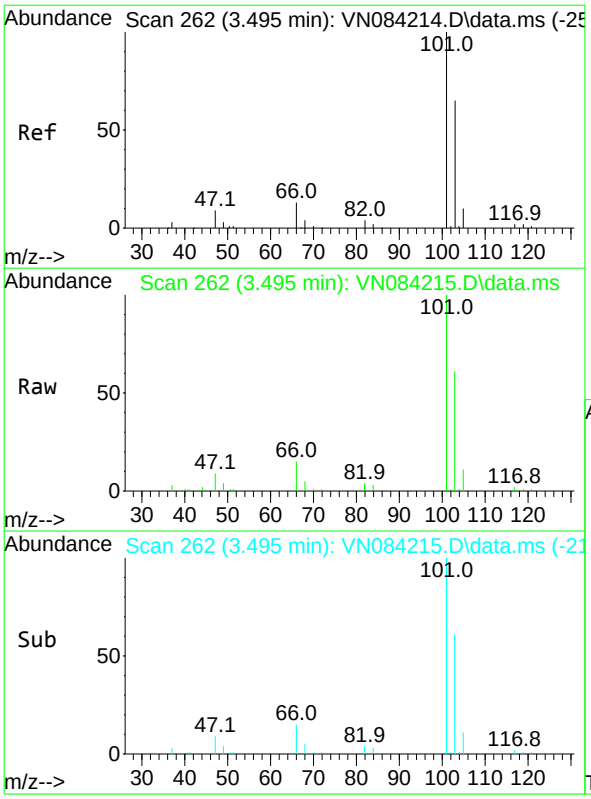


#6
Chloroethane
Concen: 18.369 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 64 Resp: 30650

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3

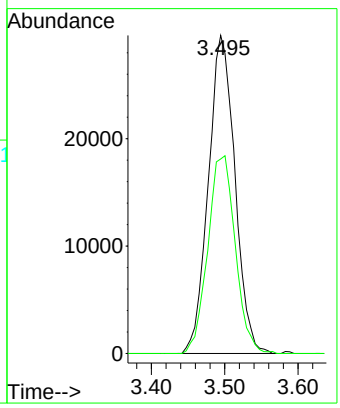




#7
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:101 Resp: 74579

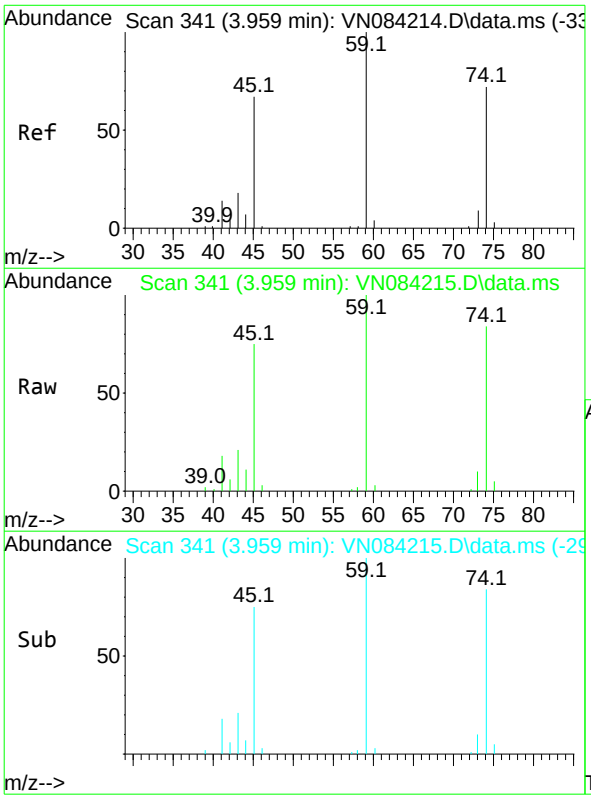
Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

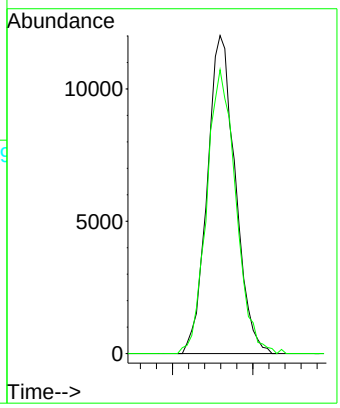
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

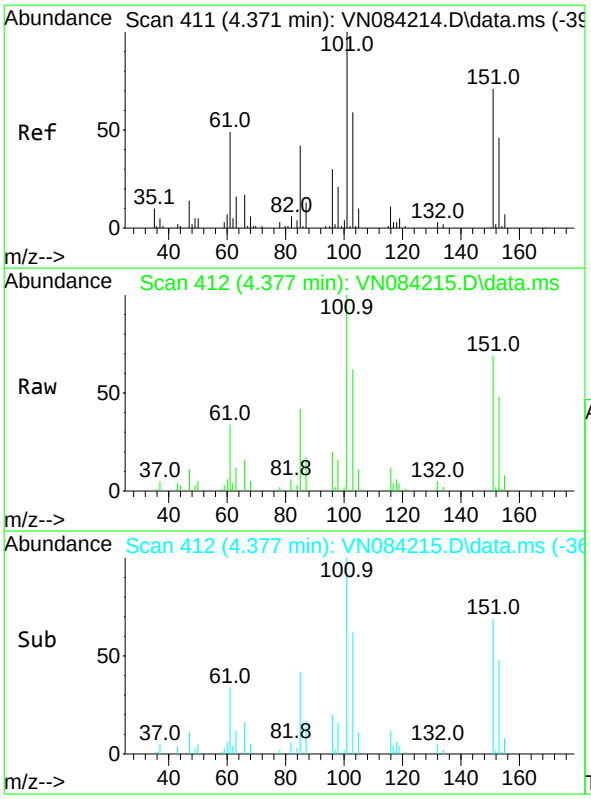


#8
Diethyl Ether
Concen: 21.619 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 74 Resp: 29090

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1

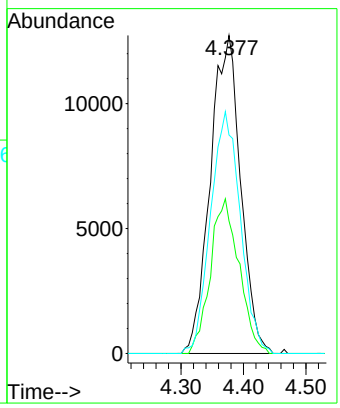




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:101 Resp: 42958

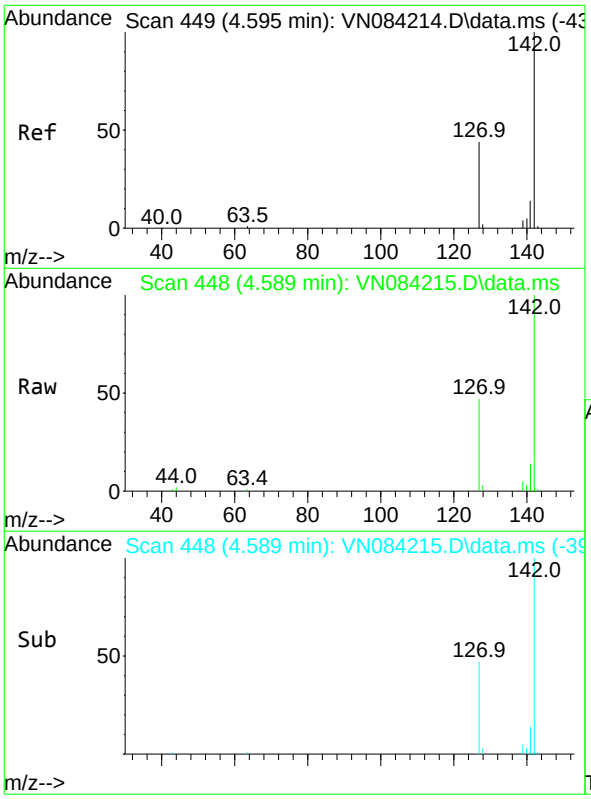
Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	74.9	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

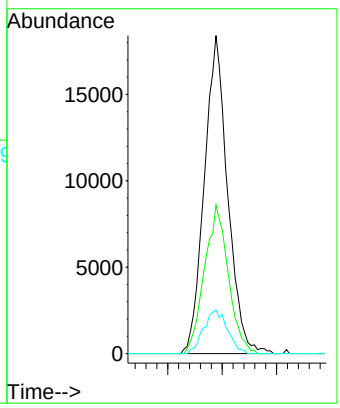
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

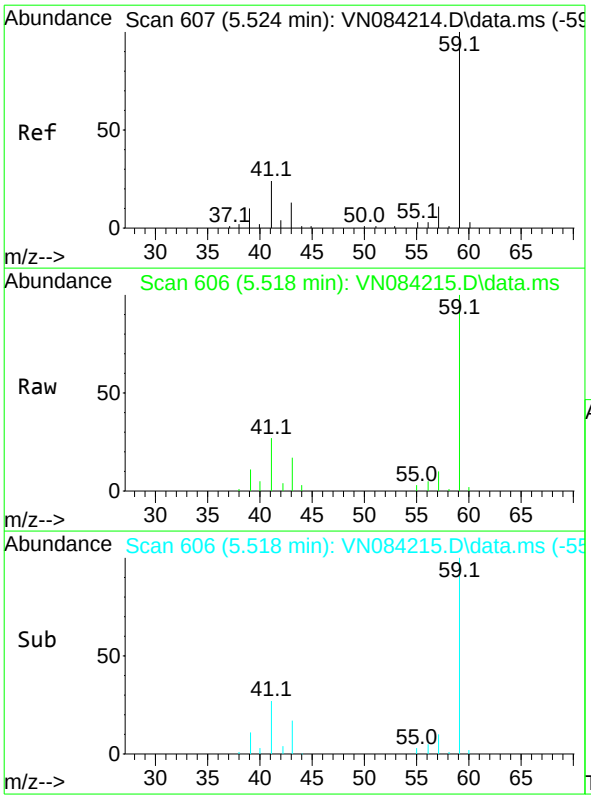


#10
Methyl Iodide
Concen: 20.458 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

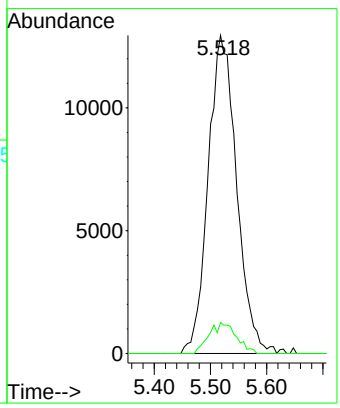




#11
Tert butyl alcohol
Concen: 104.506 ug/l
RT: 5.518 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 59 Resp: 45501

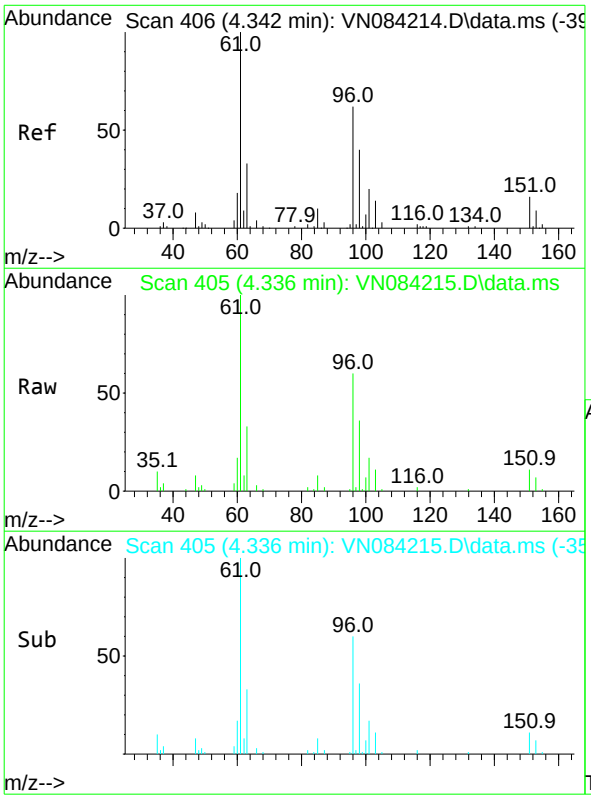
Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

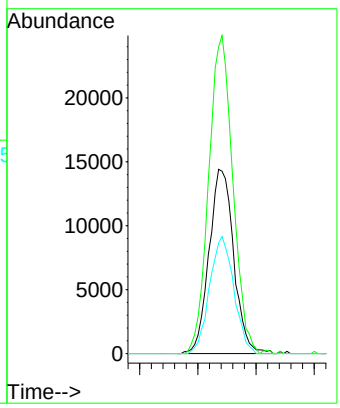
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

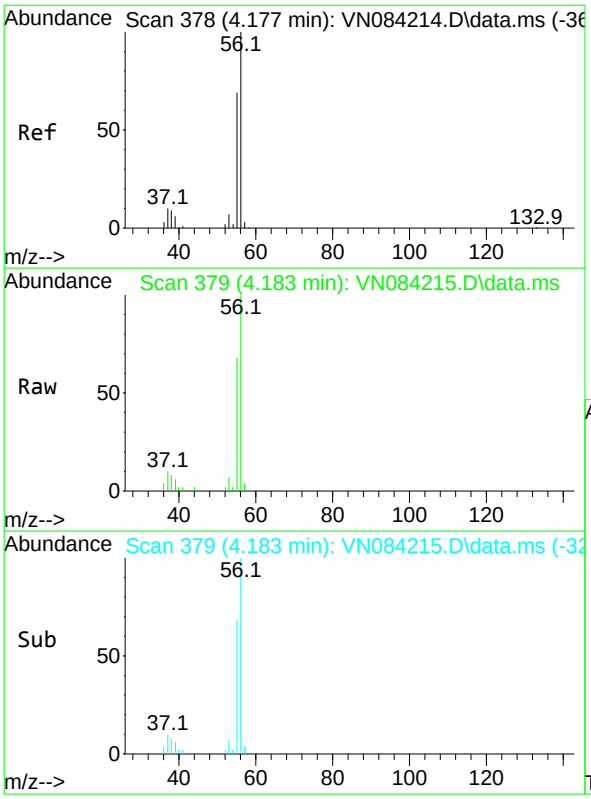


#12
1,1-Dichloroethene
Concen: 21.171 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

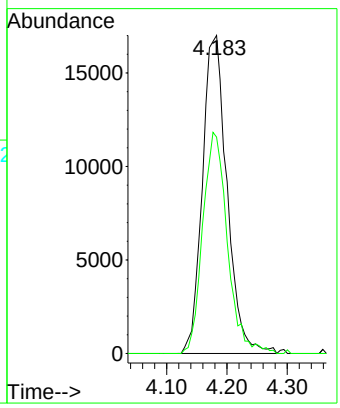




#13
Acrolein
Concen: 96.553 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 56 Resp: 48261

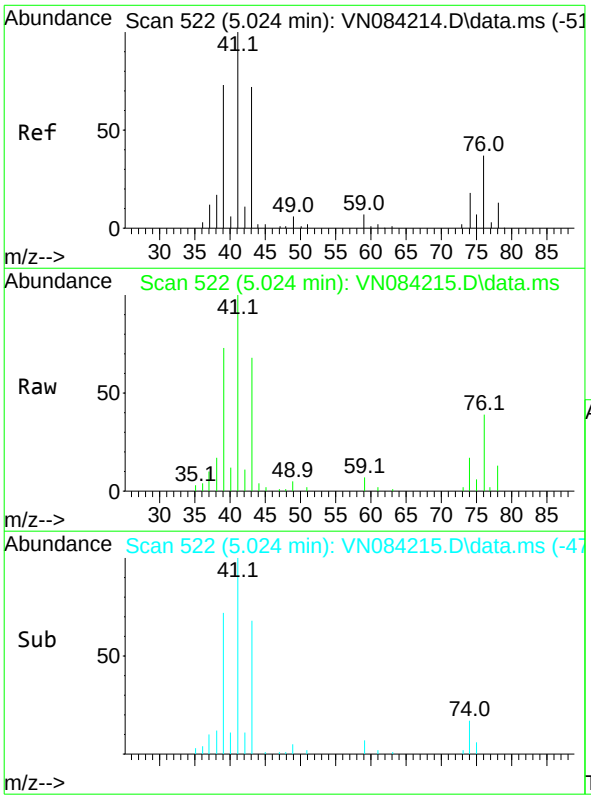
Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

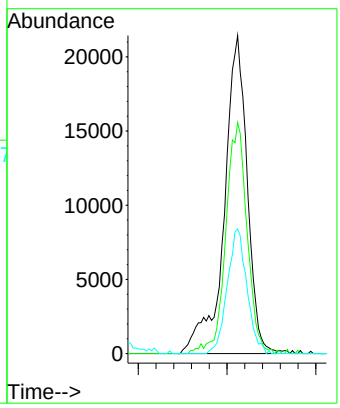
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

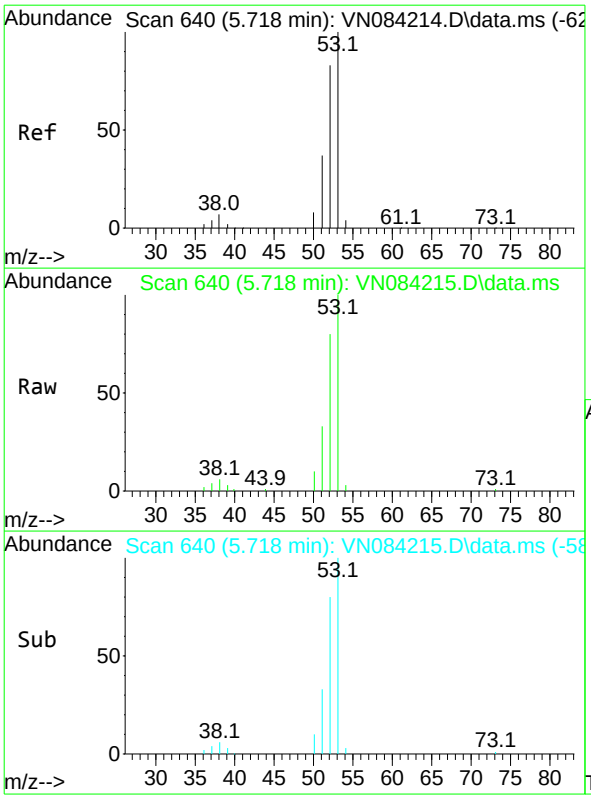


#14
Allyl chloride
Concen: 22.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

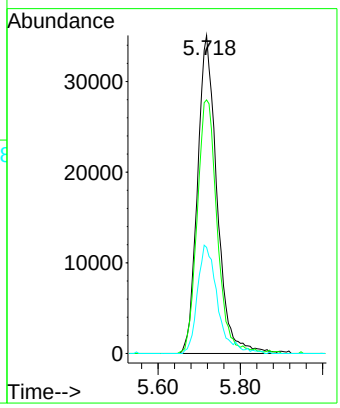




#15
Acrylonitrile
Concen: 105.004 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 53 Resp: 115451

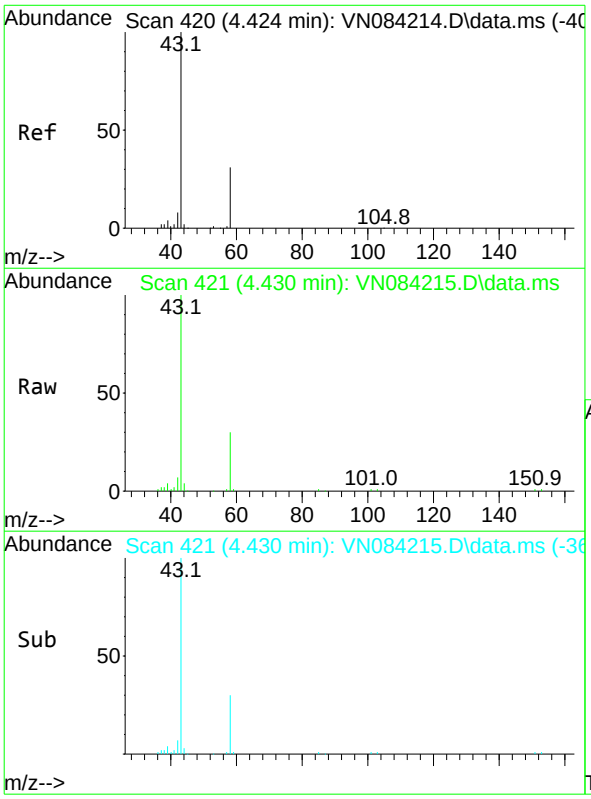
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

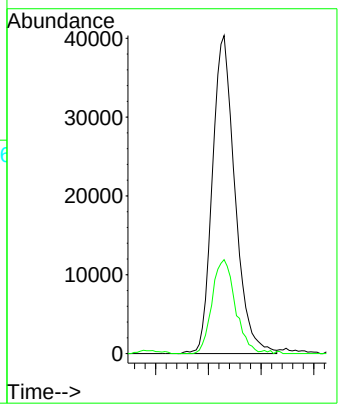
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

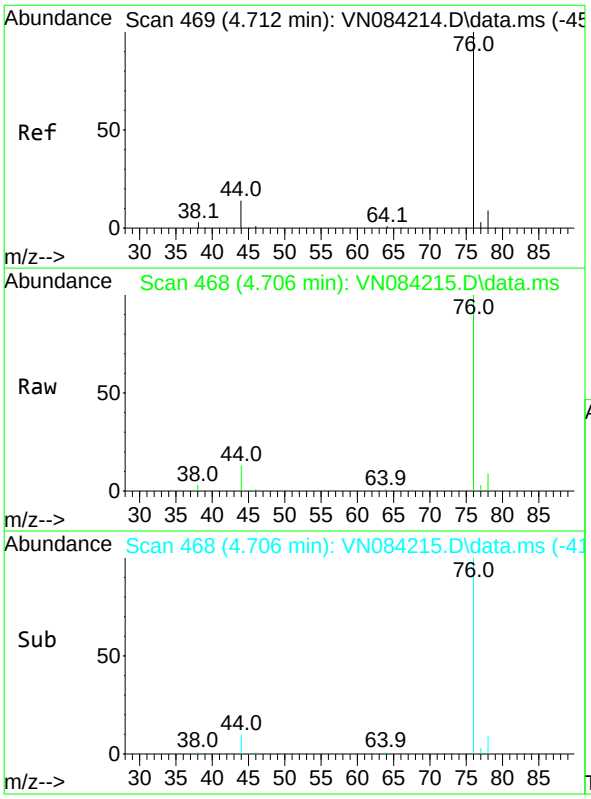


#16
Acetone
Concen: 105.747 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6

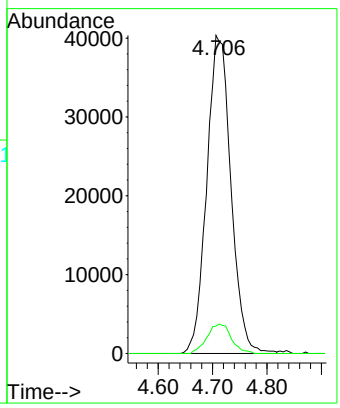




#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 76 Resp: 124366

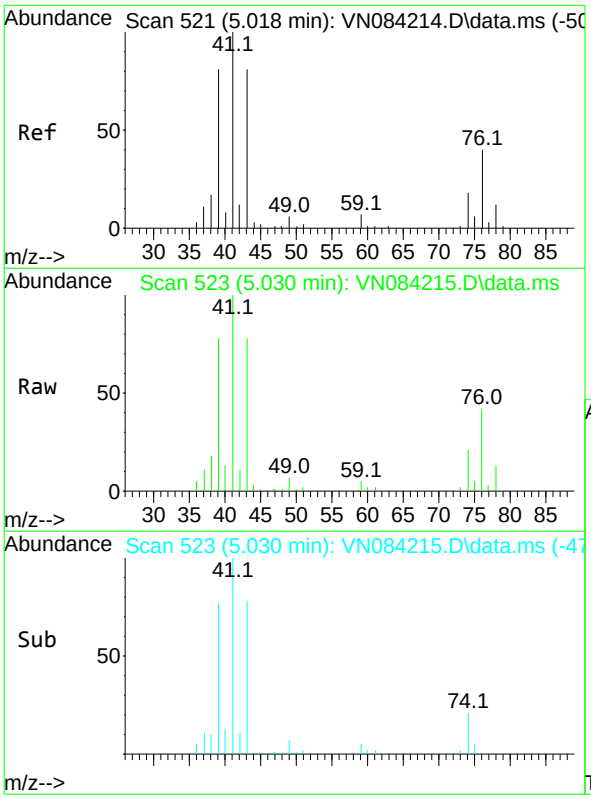
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

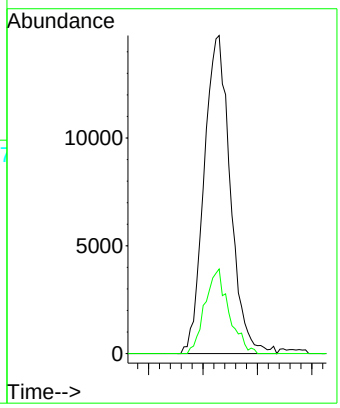
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

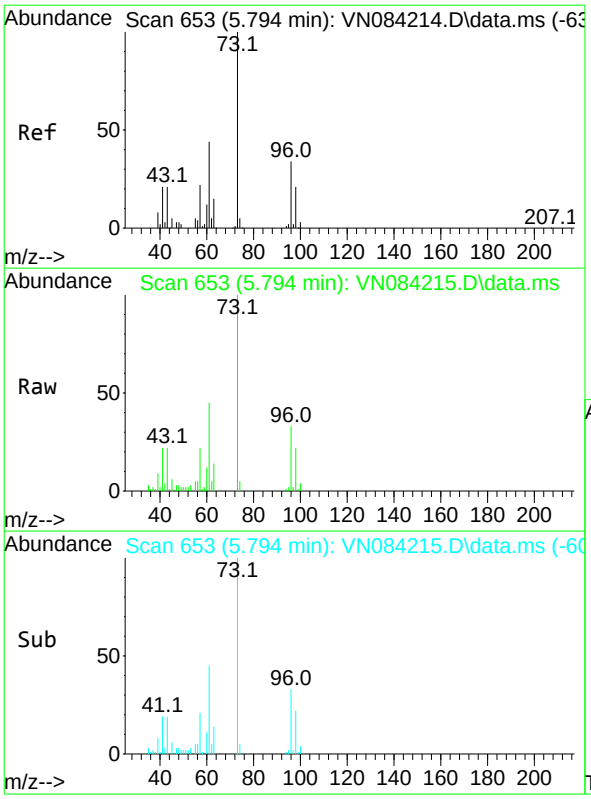


#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 49436

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8

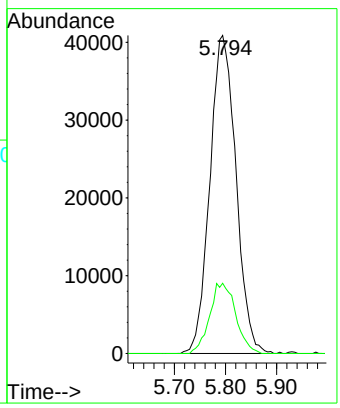




#19
Methyl tert-butyl Ether
Concen: 21.421 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 73 Resp: 144972

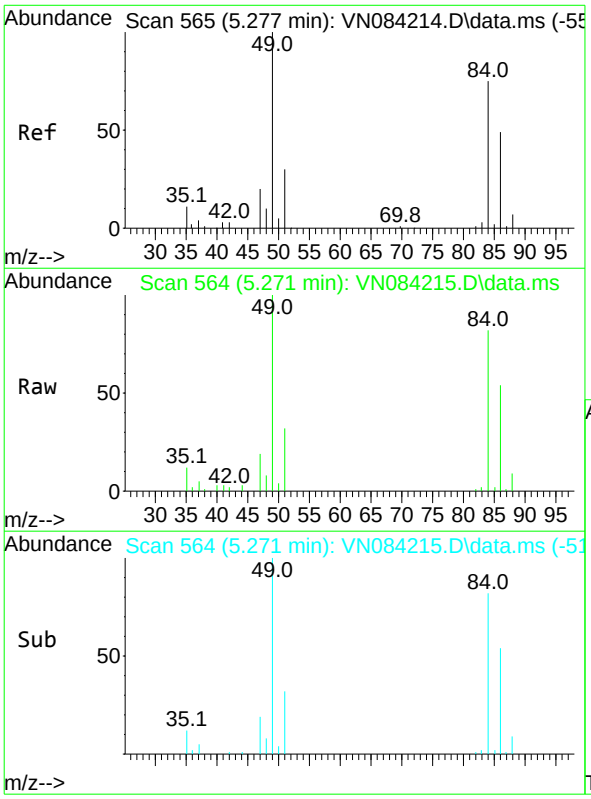
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

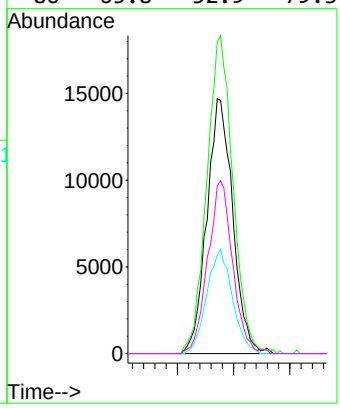
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

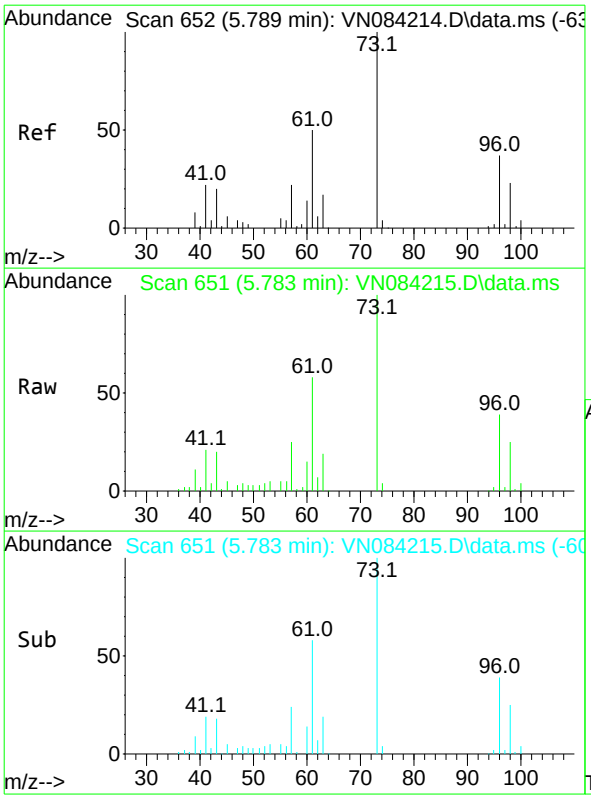


#20
Methylene Chloride
Concen: 20.423 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

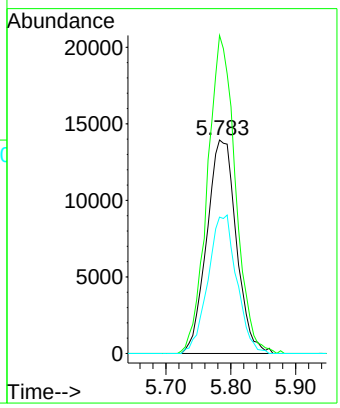




#21
trans-1,2-Dichloroethene
Concen: 20.976 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 44064

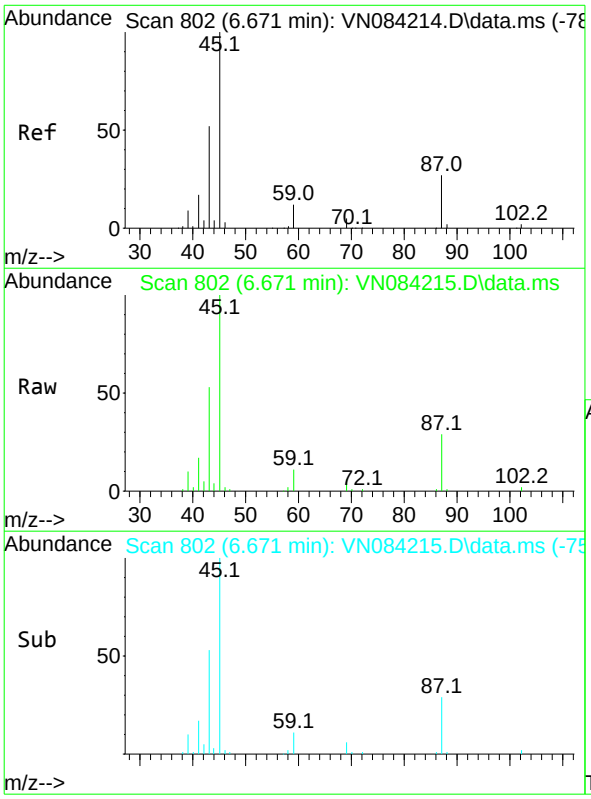
Ion	Ratio	Lower	Upper
96	100		
61	149.0	108.4	162.6
98	63.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

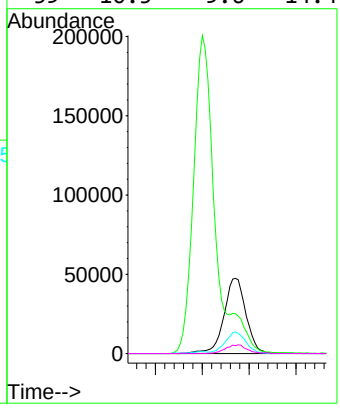
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

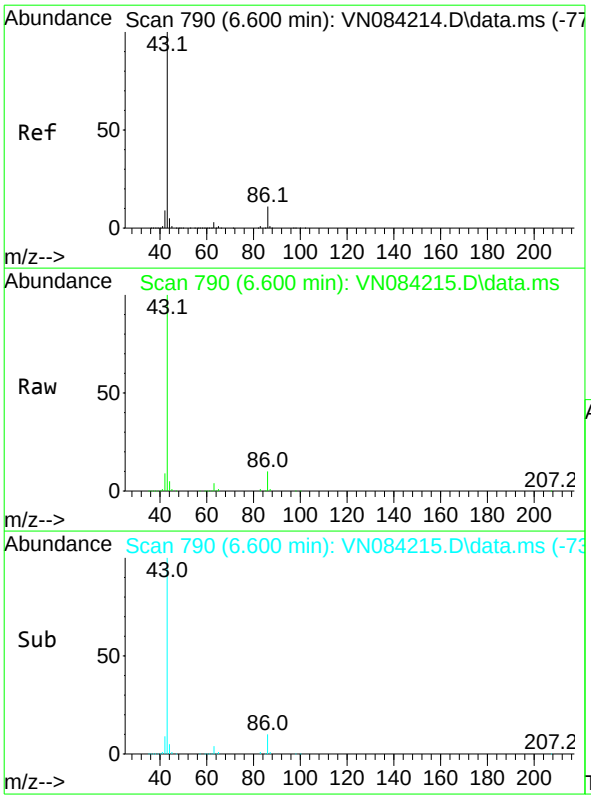


#22
Diisopropyl ether
Concen: 21.460 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

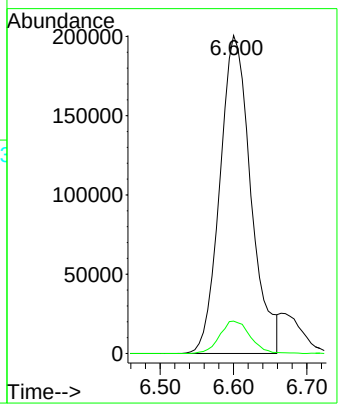




#23
Vinyl Acetate
Concen: 109.739 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 589404

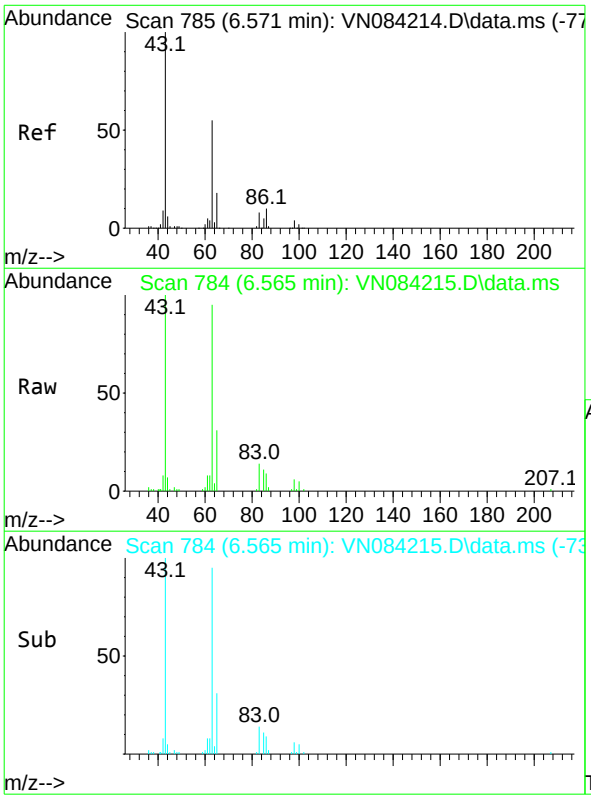
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

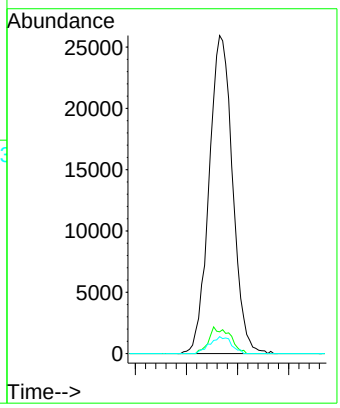
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

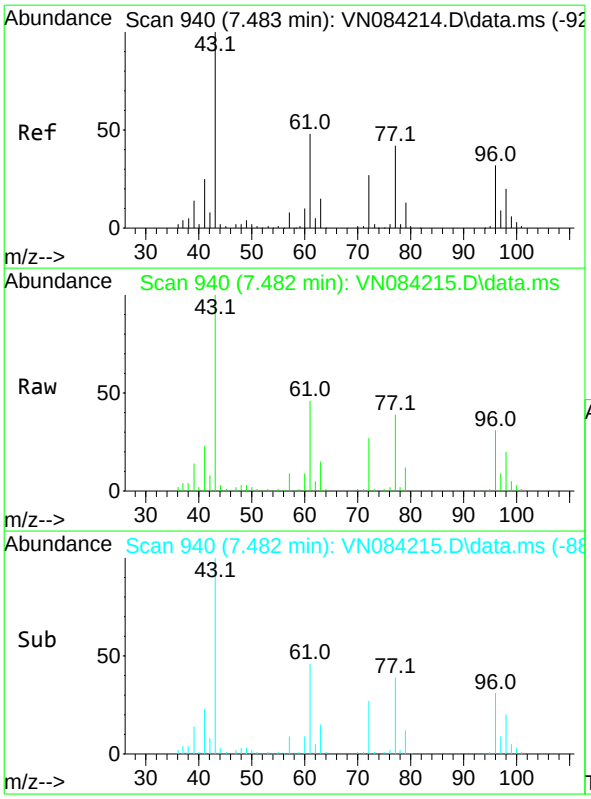


#24
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

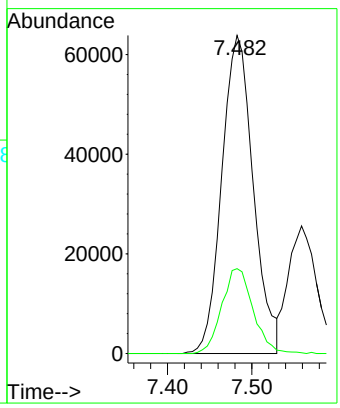




#25
2-Butanone
Concen: 107.295 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 165762

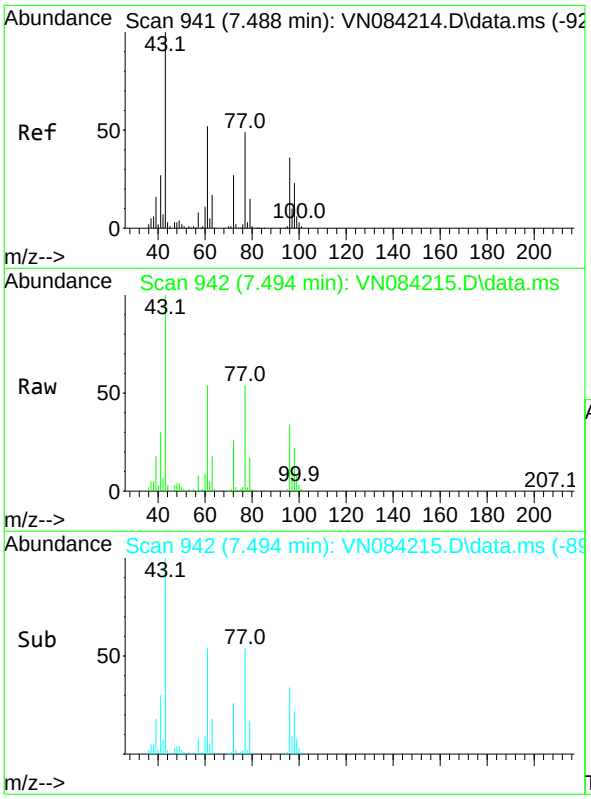
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

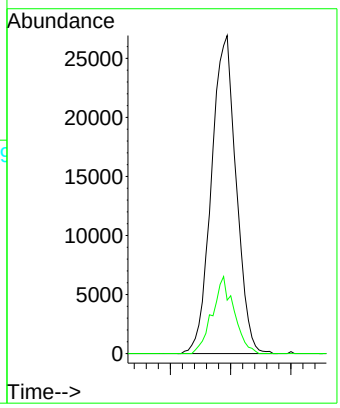
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

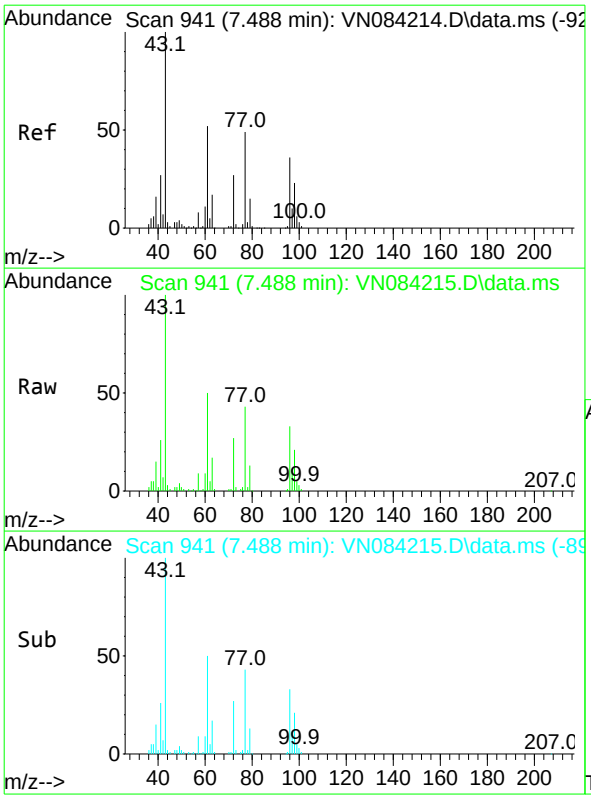


#26
2,2-Dichloropropane
Concen: 21.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 77 Resp: 76824

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3

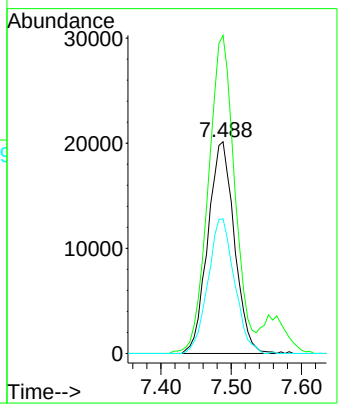




#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 96 Resp: 52758

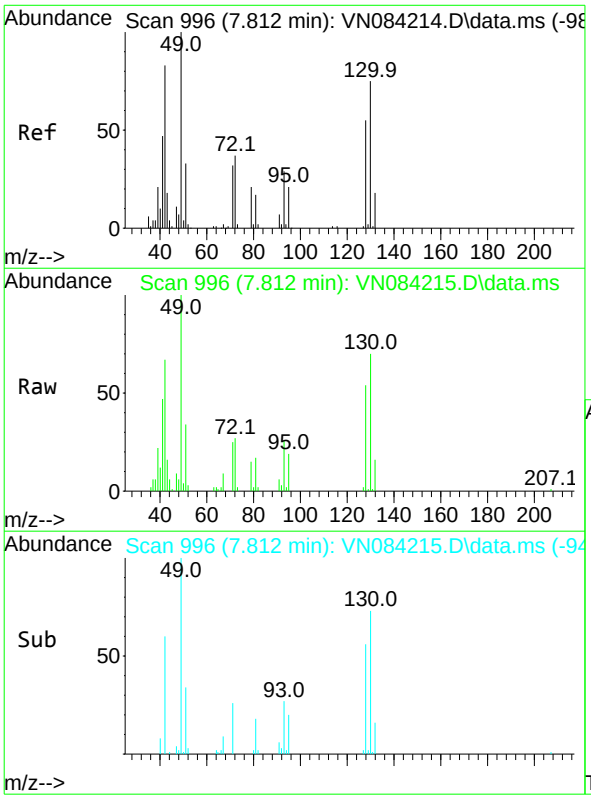
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

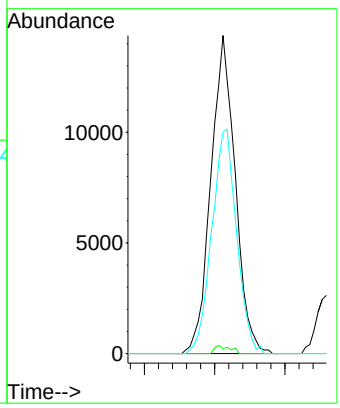
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

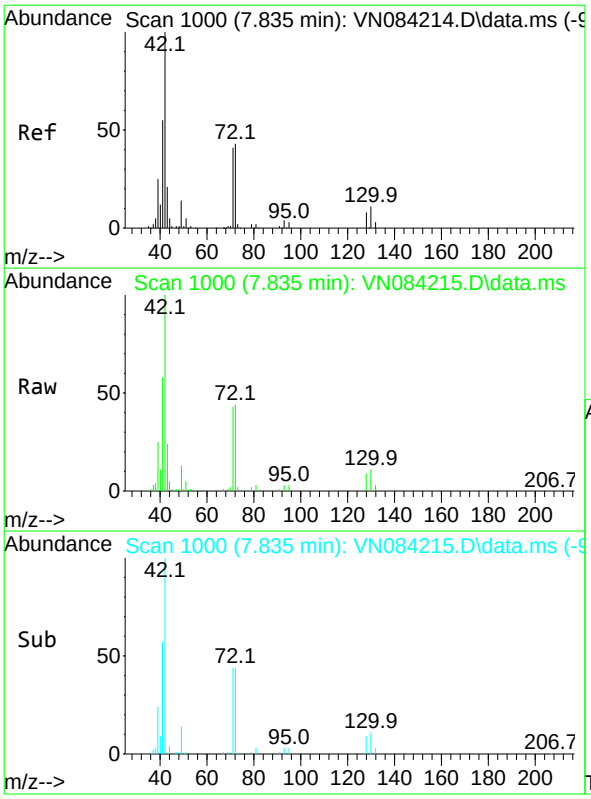


#28
Bromochloromethane
Concen: 19.246 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

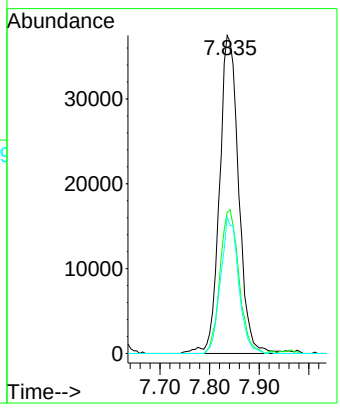




#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 42 Resp: 100146

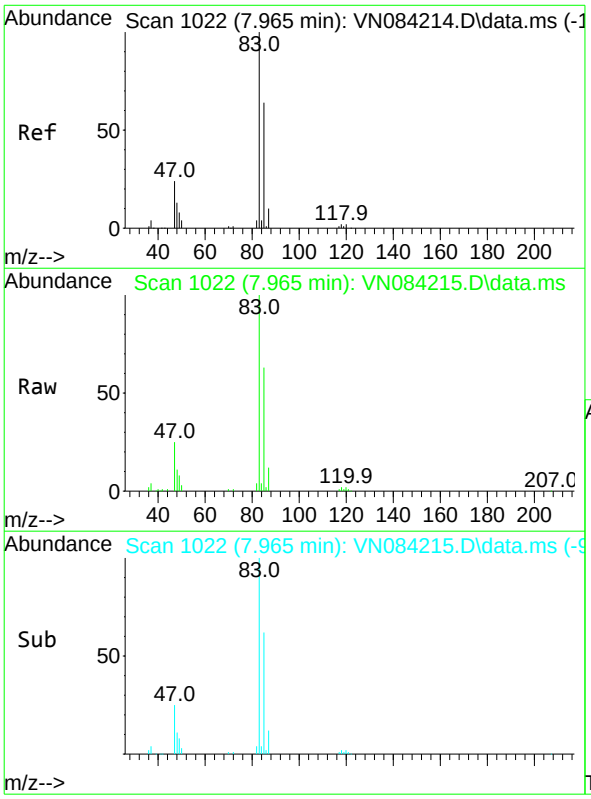
Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	40.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

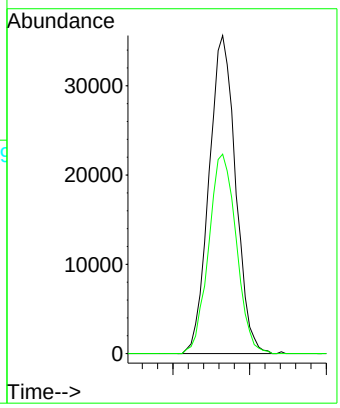
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

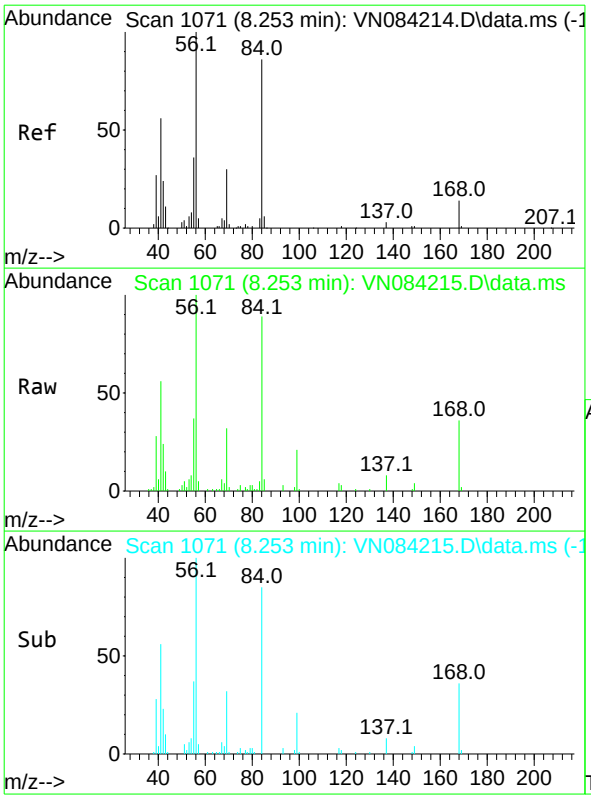


#30
Chloroform
Concen: 20.517 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 85848

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4

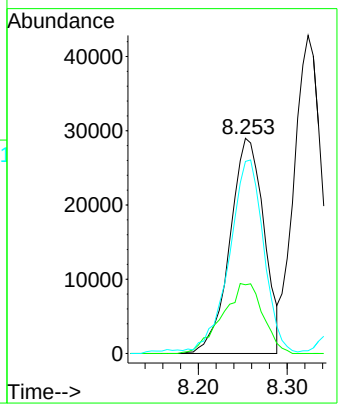




#31
Cyclohexane
Concen: 19.743 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 56 Resp: 77216

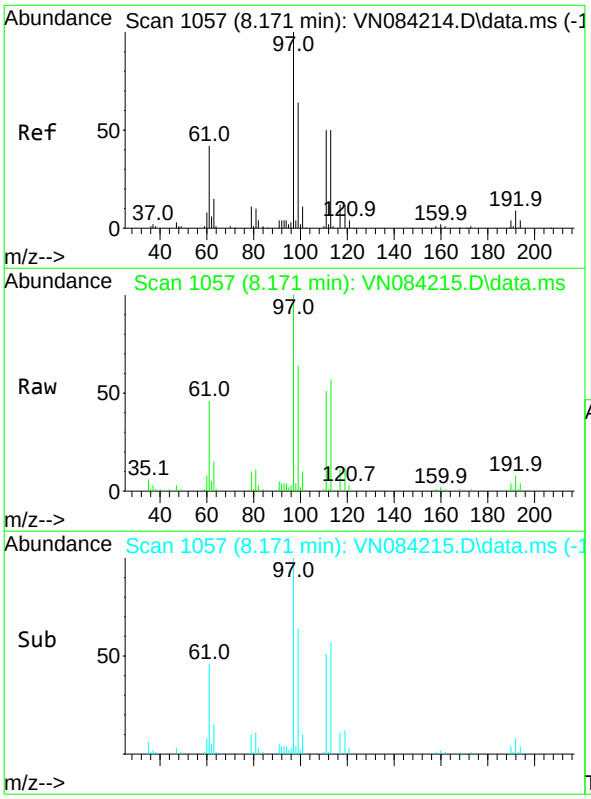
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	87.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

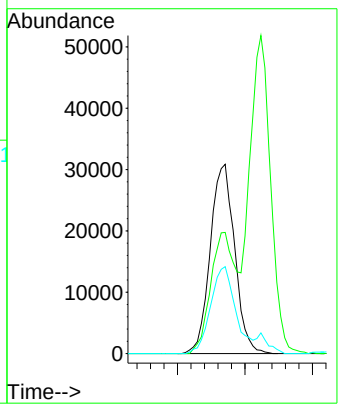
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

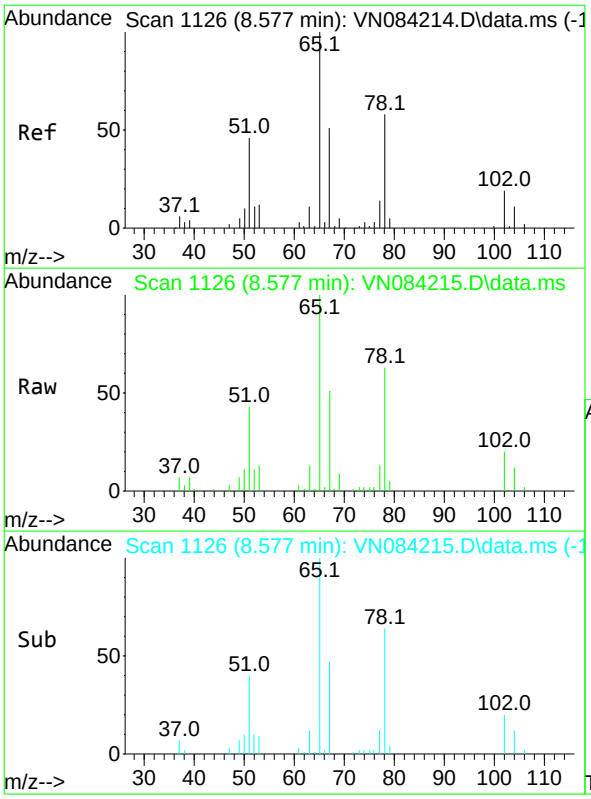


#32
1,1,1-Trichloroethane
Concen: 20.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

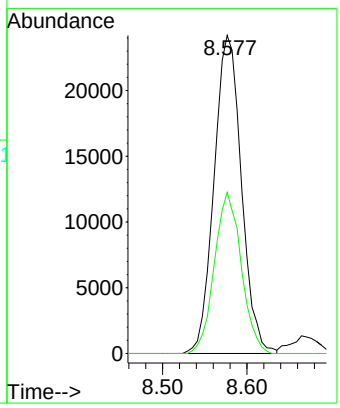




#33
1,2-Dichloroethane-d4
Concen: 20.606 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 65 Resp: 54409

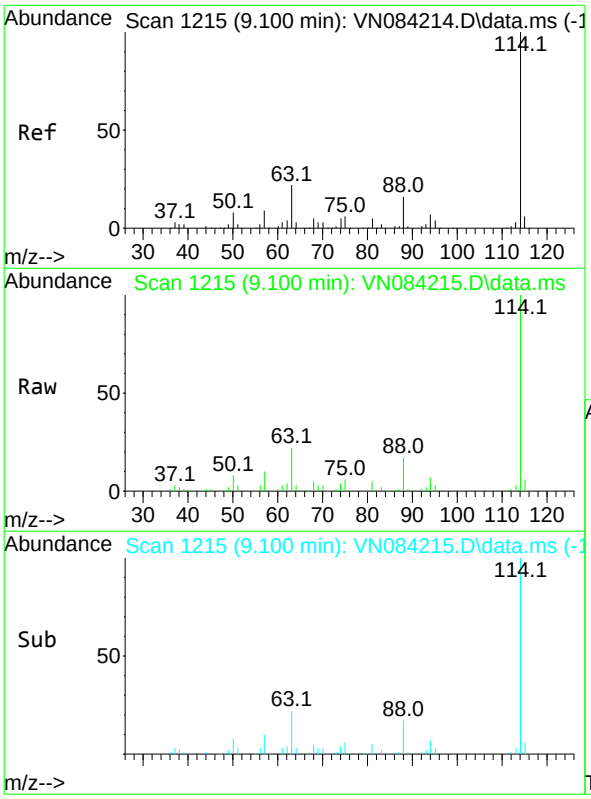
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

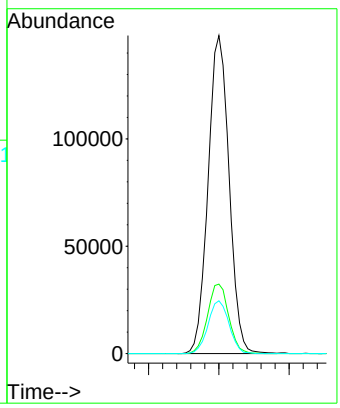
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

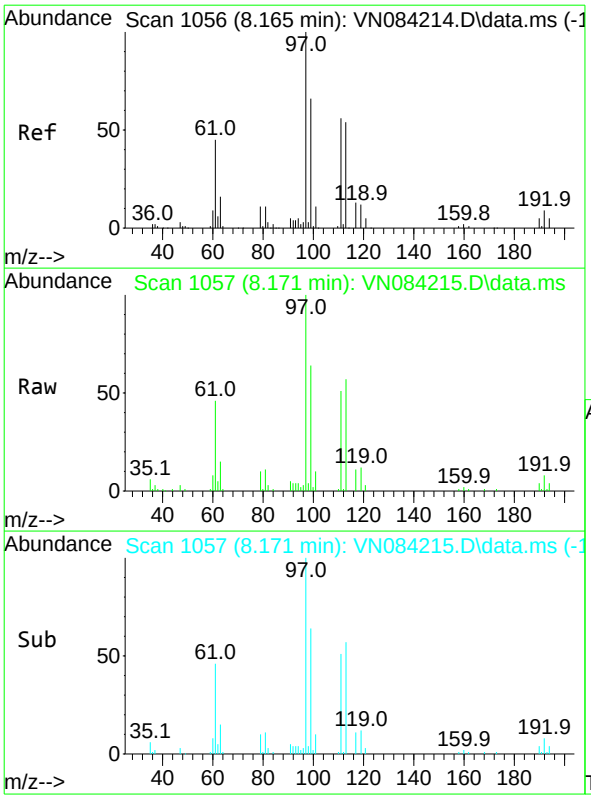


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

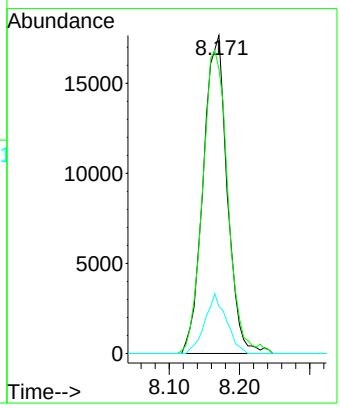




#35
Dibromofluoromethane
Concen: 20.684 ug/l
RT: 8.171 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:113 Resp: 41903

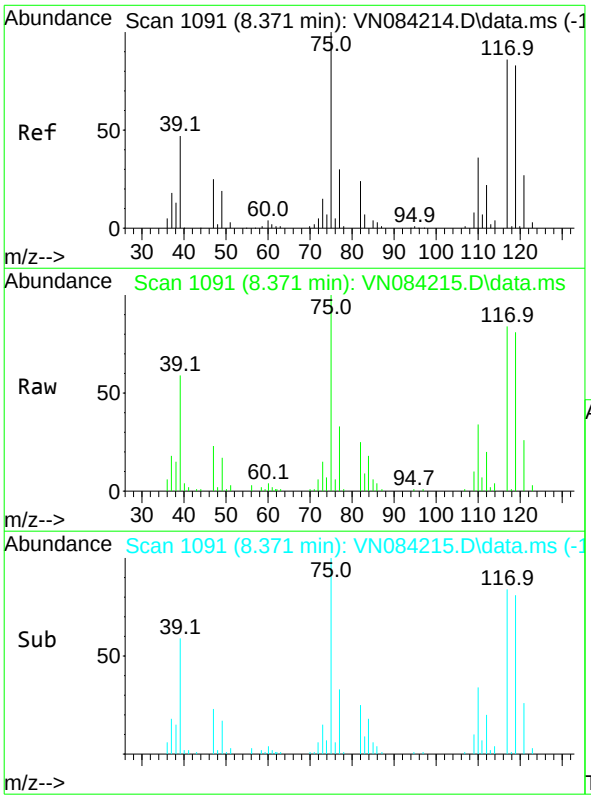
Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.3	124.9
192	16.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

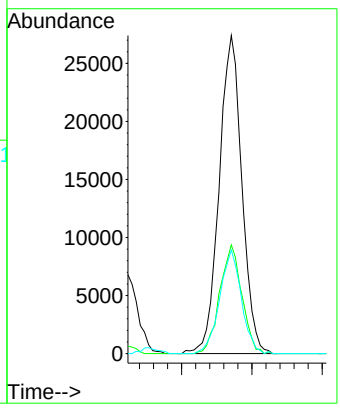
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

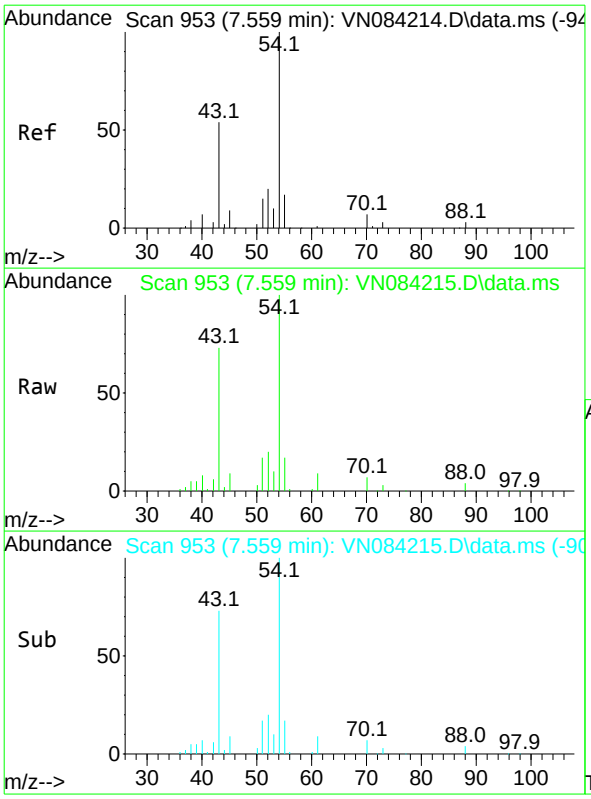


#36
1,1-Dichloropropene
Concen: 20.918 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

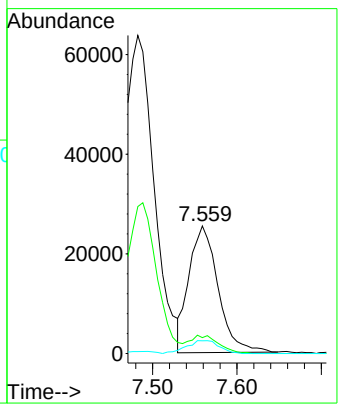




#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 61023

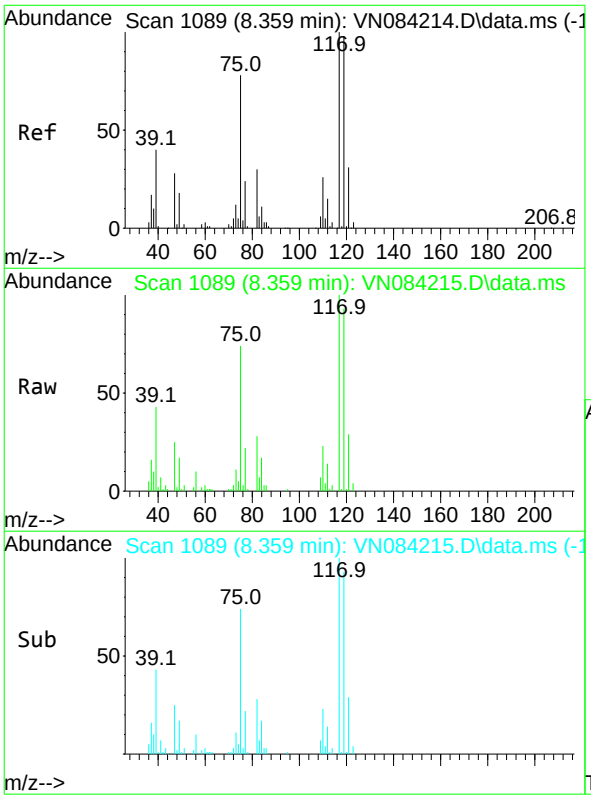
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

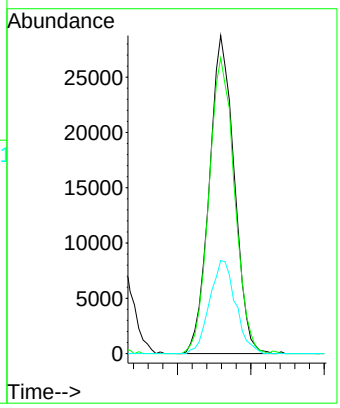
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

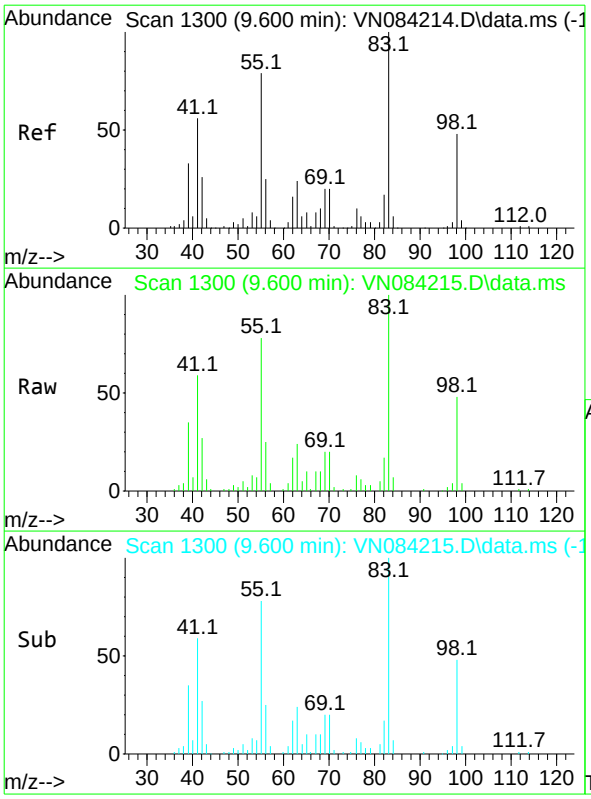


#38
Carbon Tetrachloride
Concen: 21.039 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

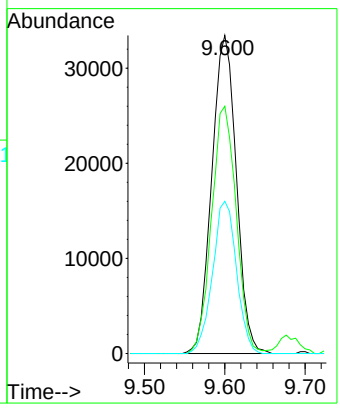




#39
Methylcyclohexane
Concen: 21.665 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 70956

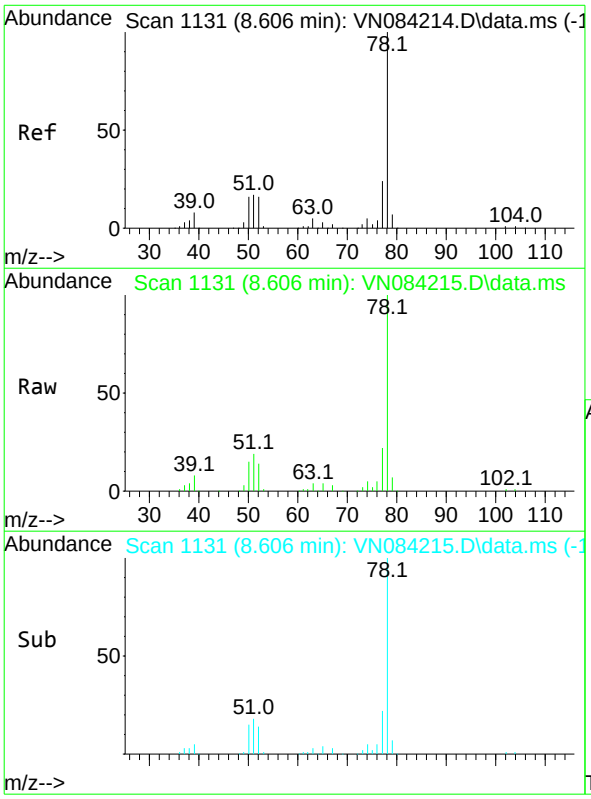
Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	47.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

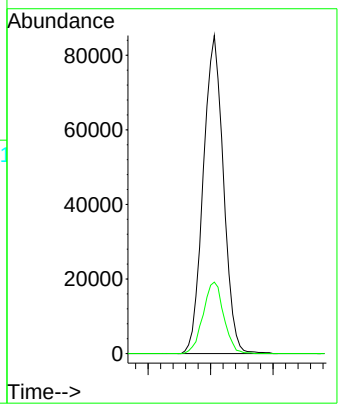
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

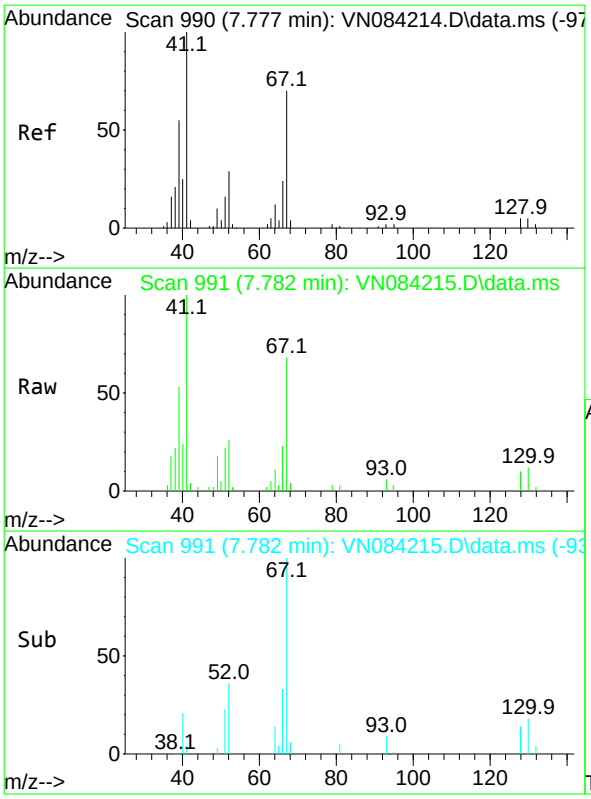


#40
Benzene
Concen: 20.896 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 78 Resp: 191581

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7

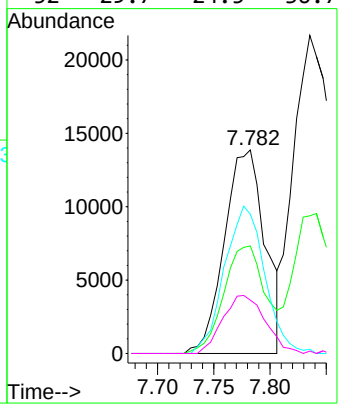




#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 41 Resp: 34943

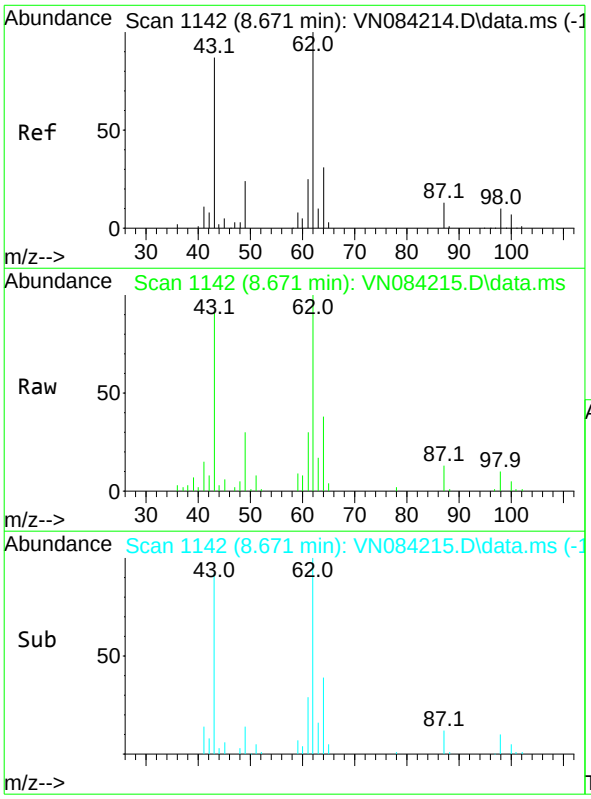
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	71.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

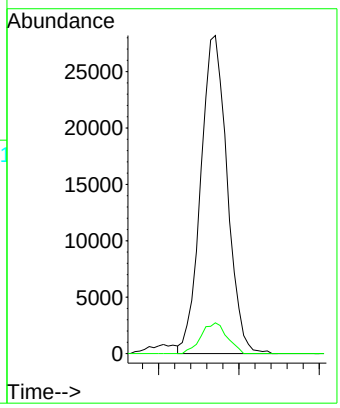
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

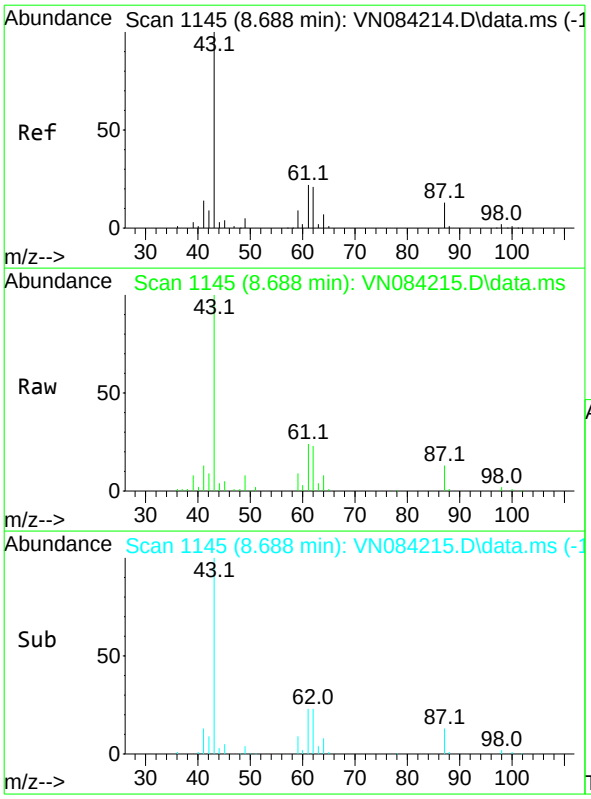


#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

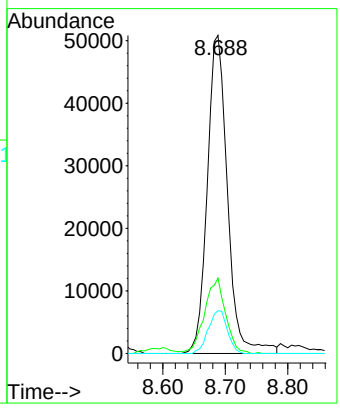
Tgt Ion: 43 Resp: 114278

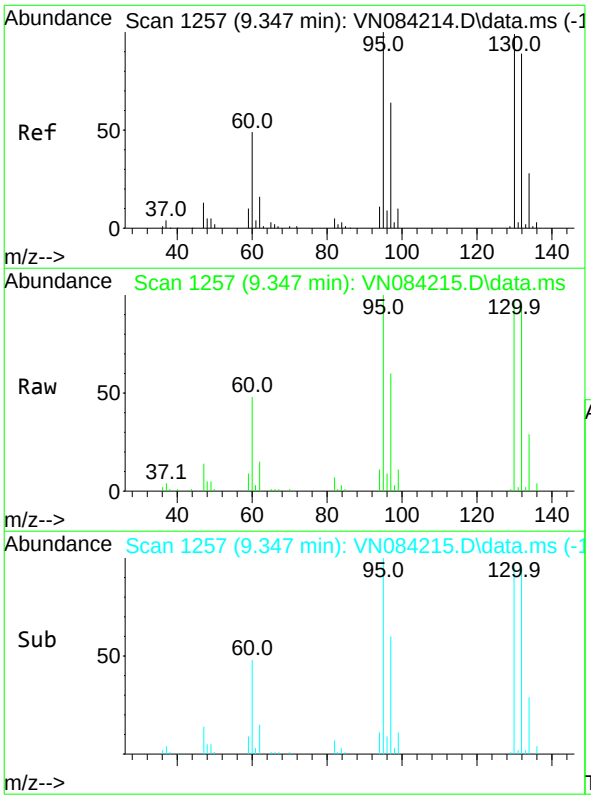
Ion	Ratio	Lower	Upper
43	100		
61	24.7	20.4	30.6
87	12.7	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

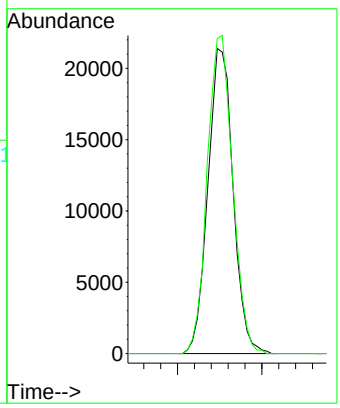


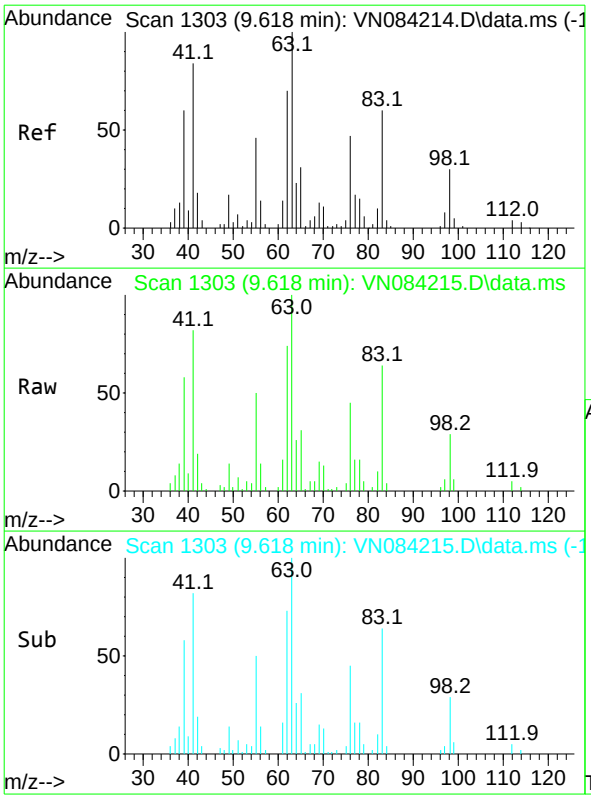


#44
Trichloroethene
Concen: 20.740 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:130 Resp: 44412

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0

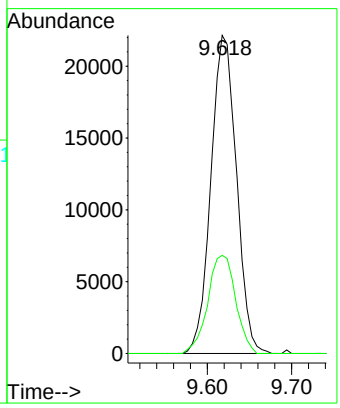




#45
1,2-Dichloropropane
Concen: 21.509 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 46651

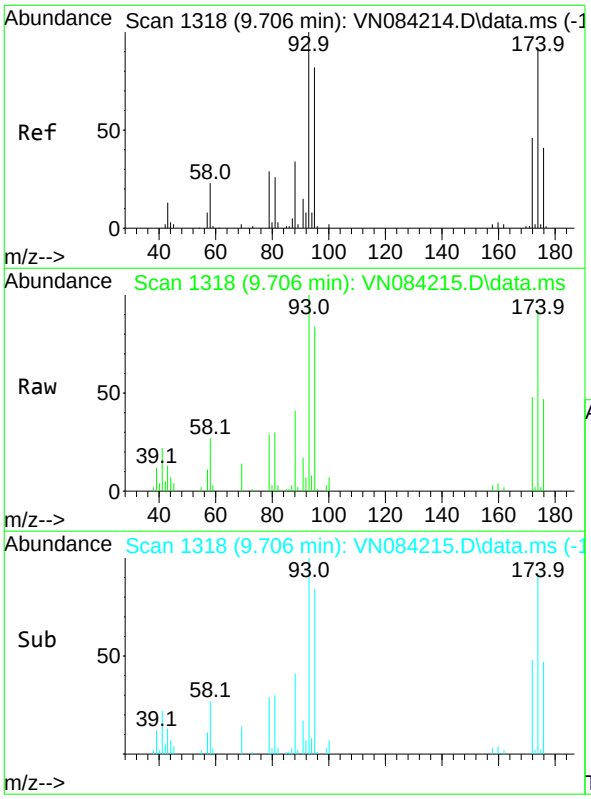
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

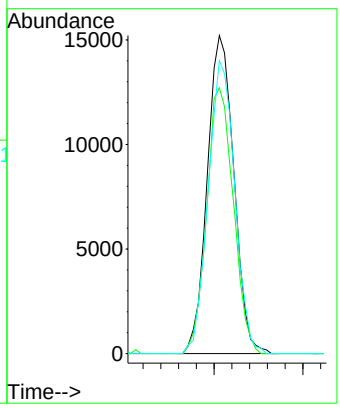
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

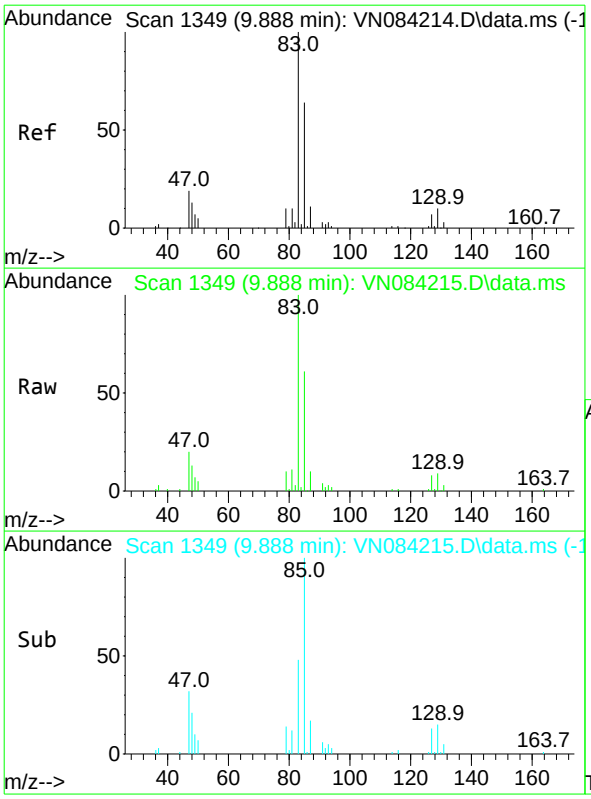


#46
Dibromomethane
Concen: 21.639 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

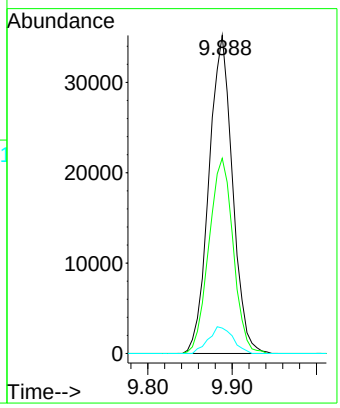




#47
Bromodichloromethane
Concen: 21.017 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

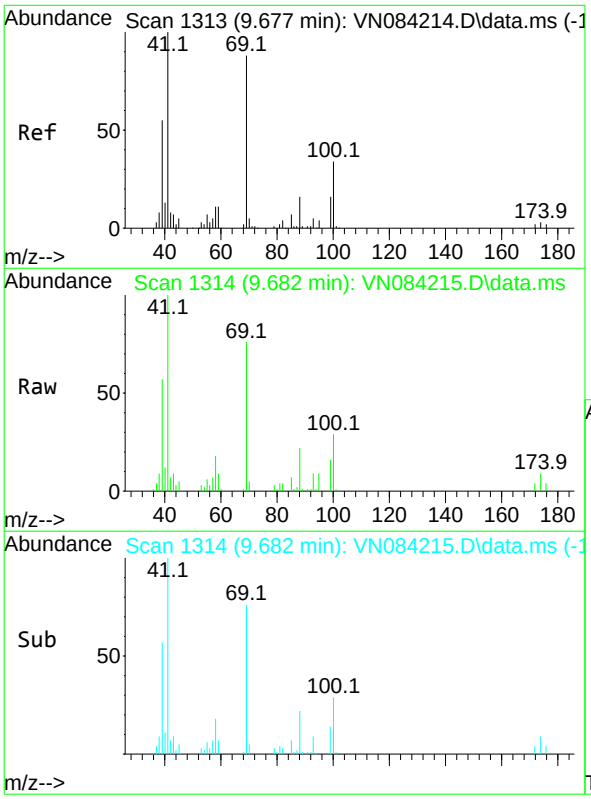
Tgt Ion: 83 Resp: 68343

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

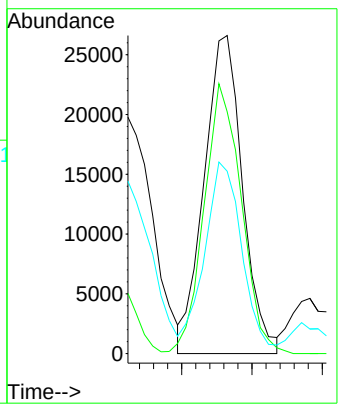
Manual Integrations APPROVED
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

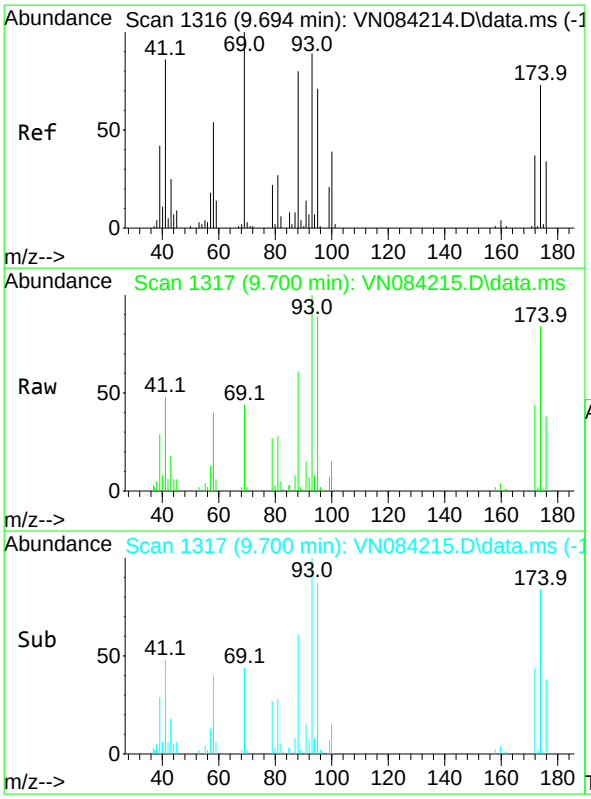


#48
Methyl methacrylate
Concen: 21.453 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

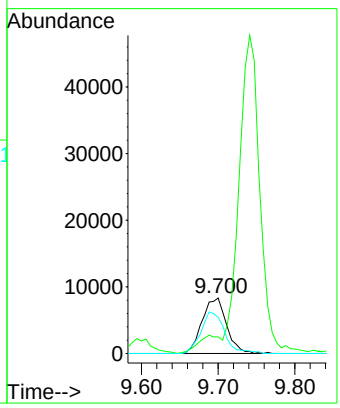




#49
1,4-Dioxane
Concen: 424.848 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 88 Resp: 18411

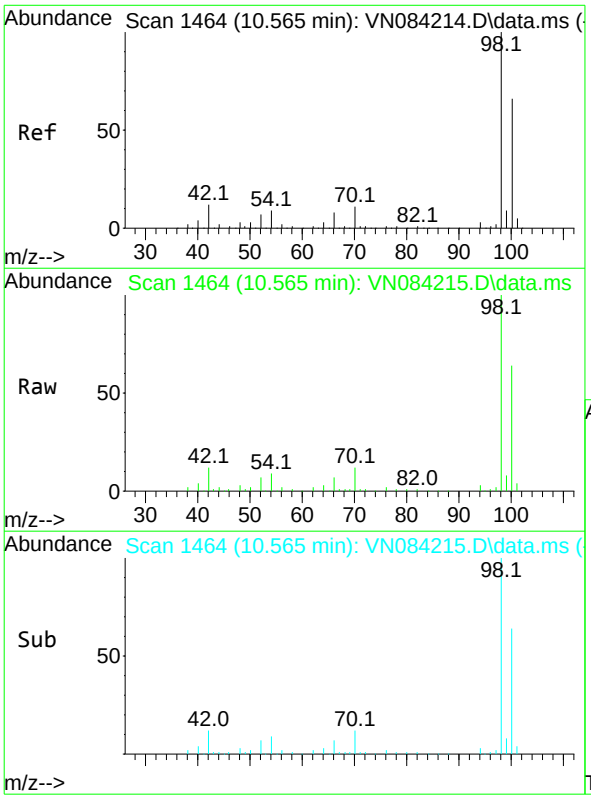
Ion	Ratio	Lower	Upper
88	100		
43	22.7	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

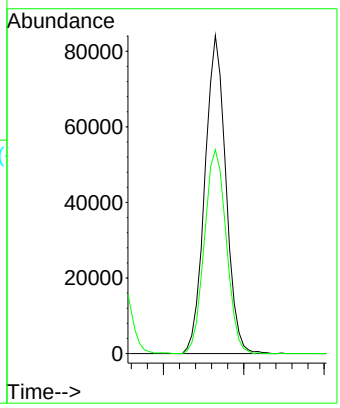
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

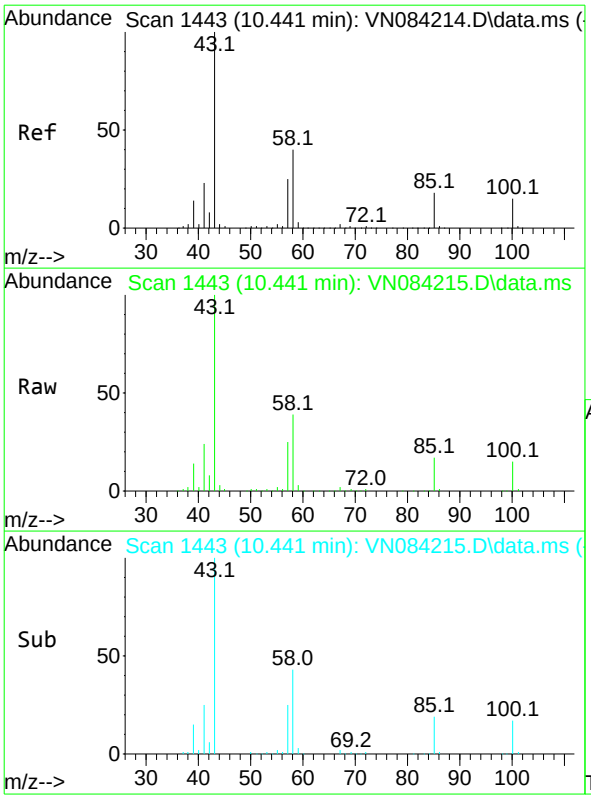


#50
Toluene-d8
Concen: 20.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 98 Resp: 152668

Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.7	79.1

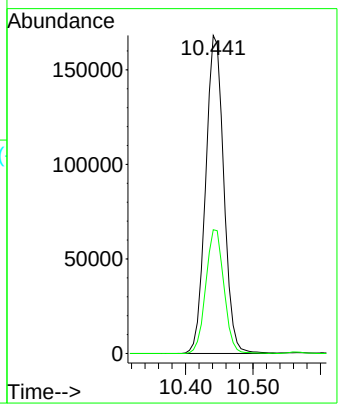




#51
4-Methyl-2-Pentanone
Concen: 109.132 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 313636

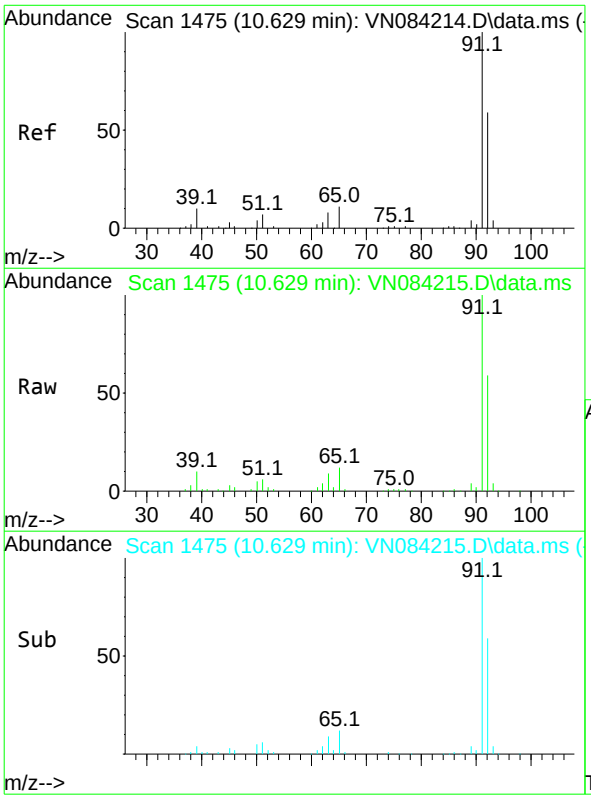
Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

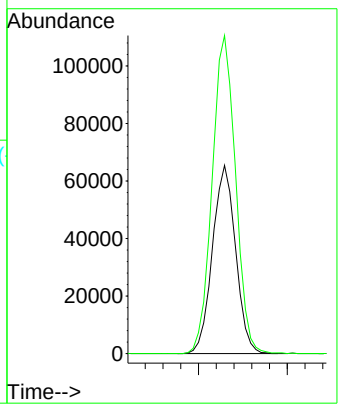
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

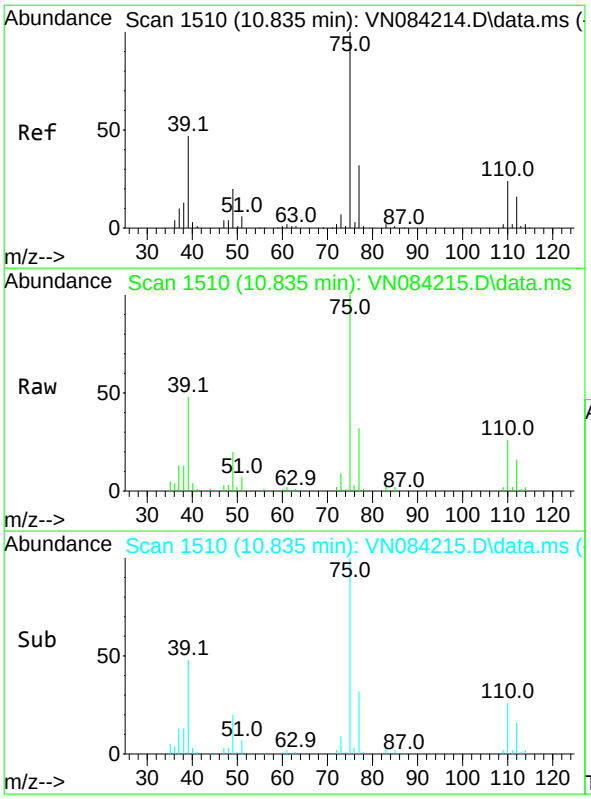


#52
Toluene
Concen: 21.179 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 92 Resp: 118412

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

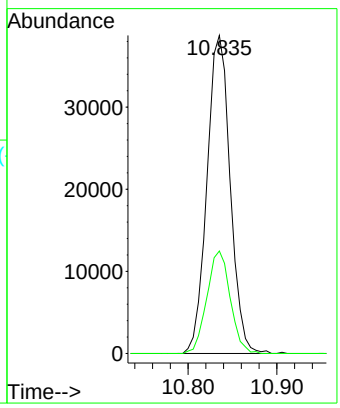




#53
t-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 70403

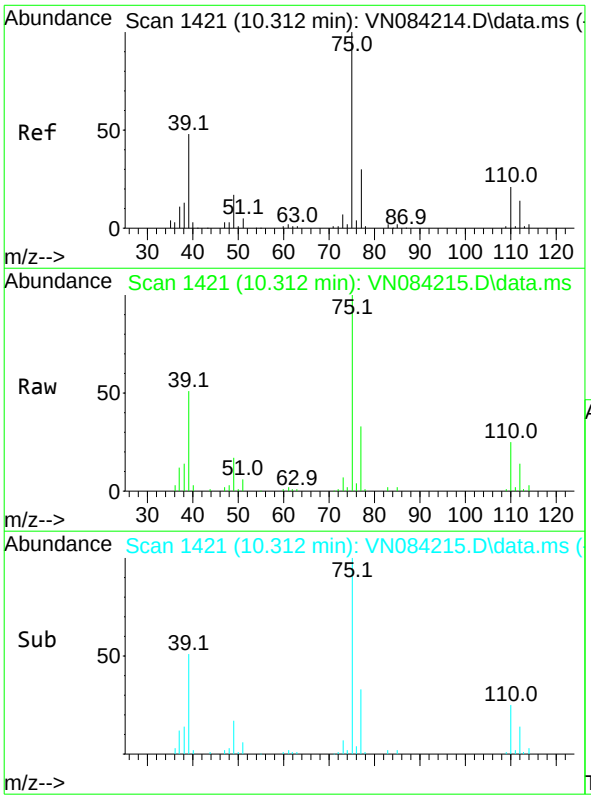
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

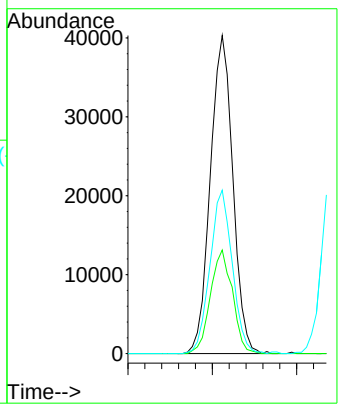
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

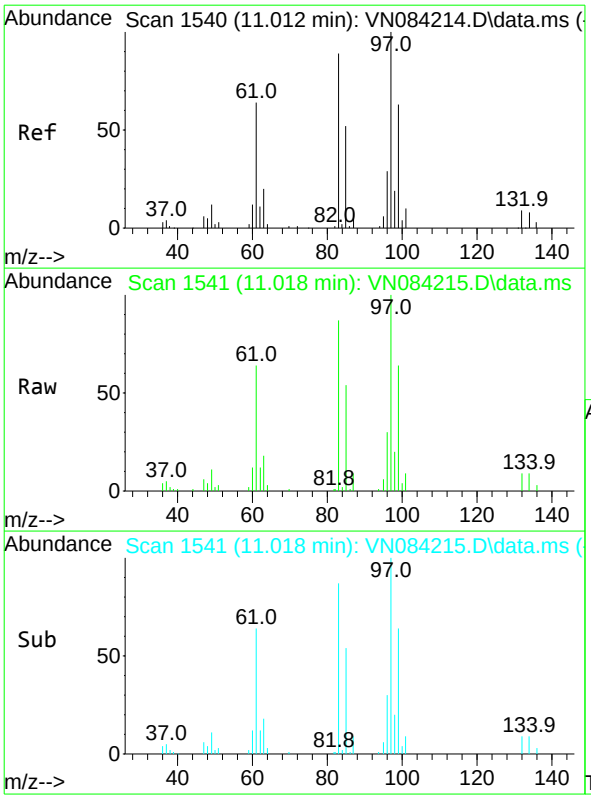


#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

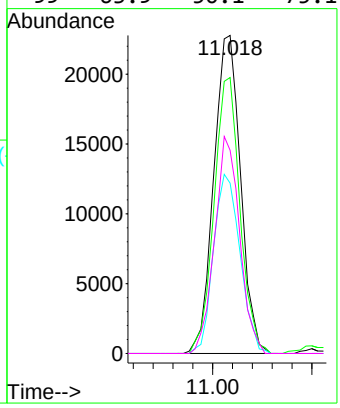




#55
1,1,2-Trichloroethane
Concen: 21.270 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 97 Resp: 42631

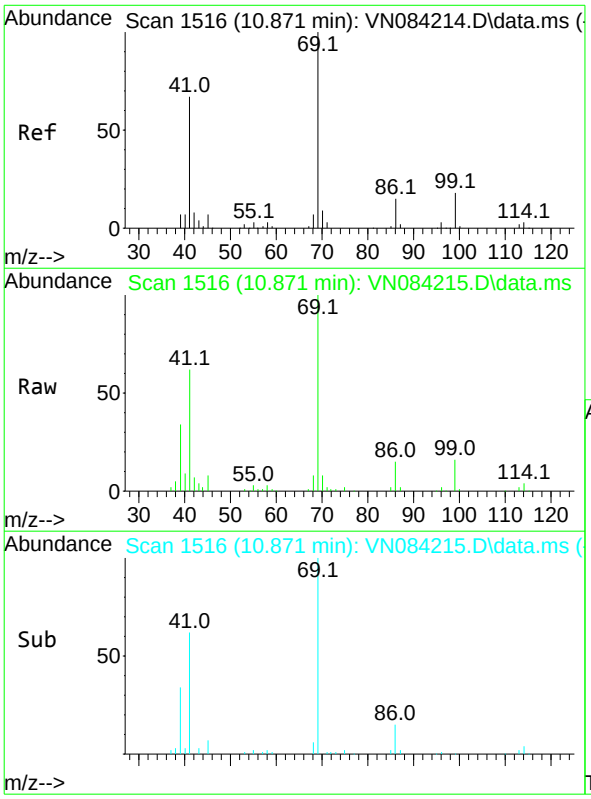
Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.0	106.4
85	53.6	41.7	62.5
99	63.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

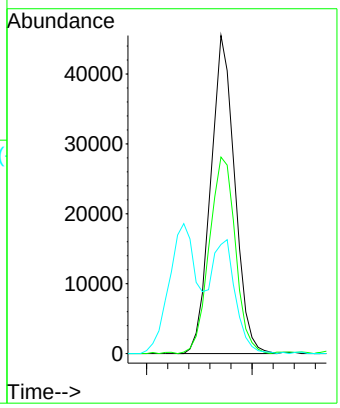
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

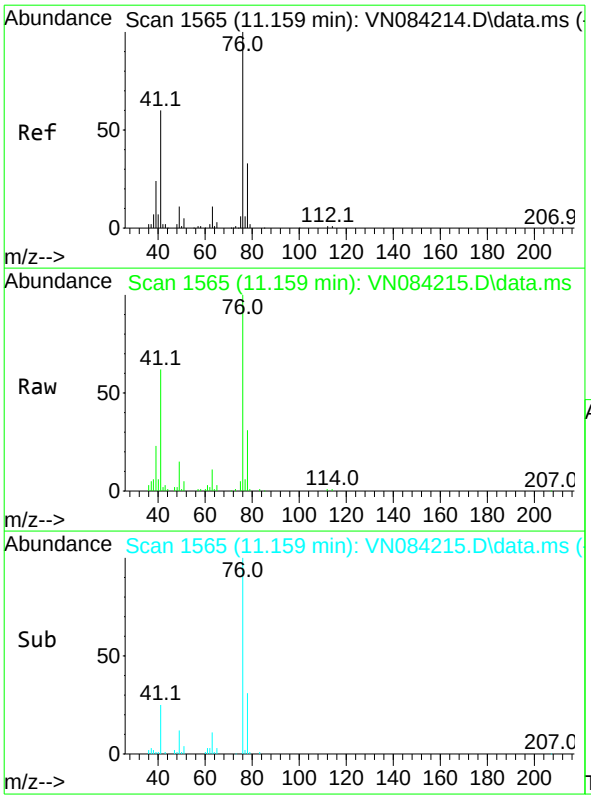


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

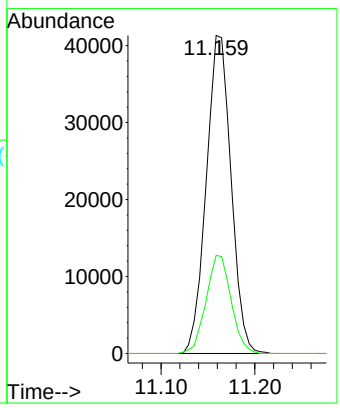




#57
1,3-Dichloropropane
Concen: 21.197 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 76 Resp: 75915

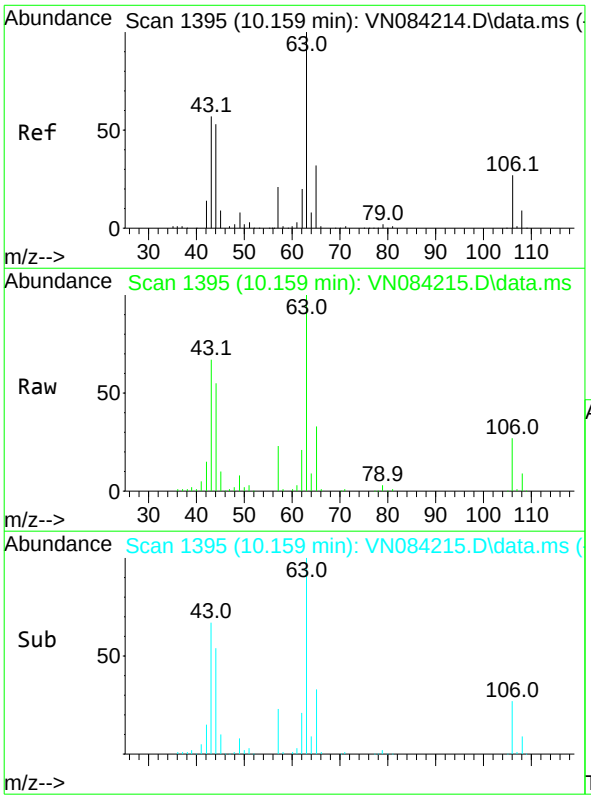
Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

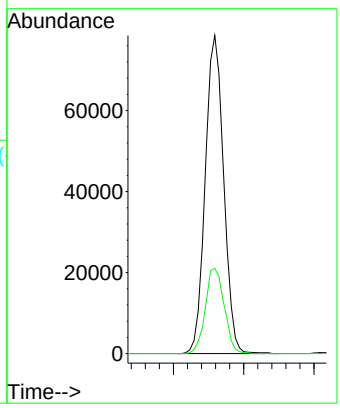
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

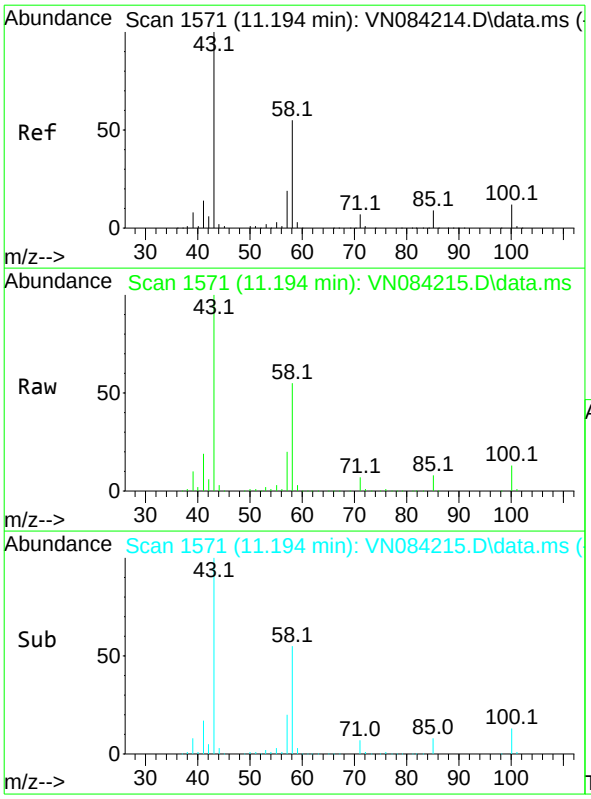


#58
2-Chloroethyl Vinyl ether
Concen: 93.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 142843

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6

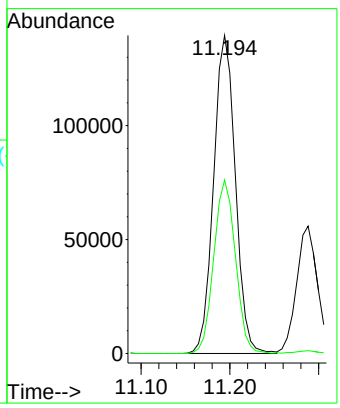




#59
2-Hexanone
Concen: 110.658 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 237694

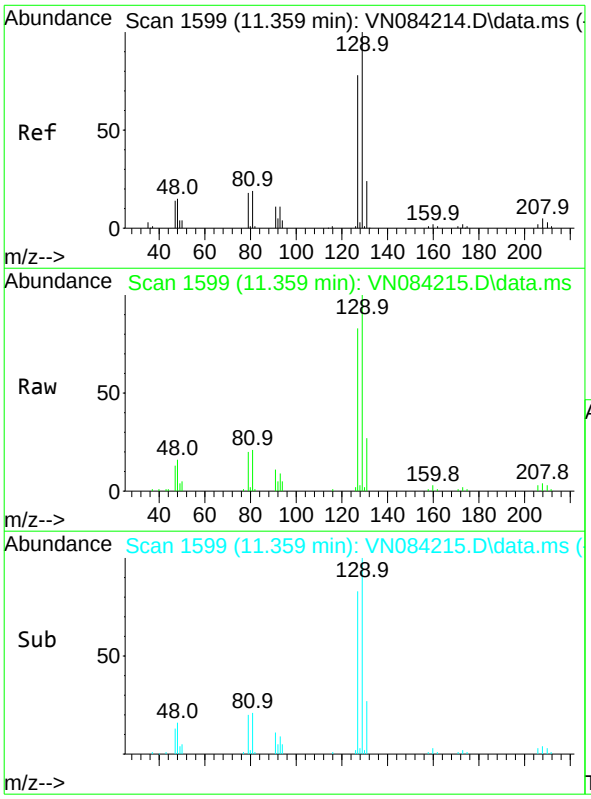
Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

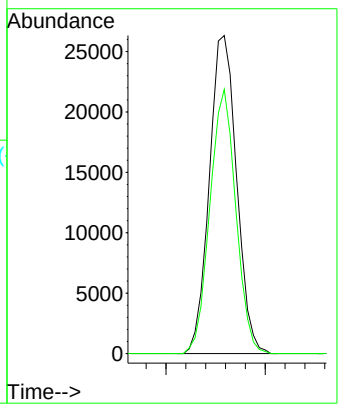
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

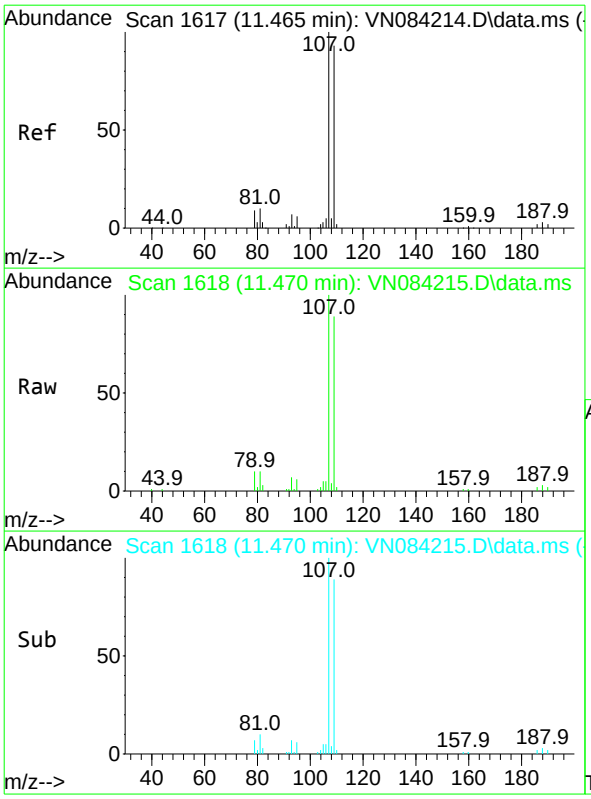


#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:129 Resp: 50326

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.9

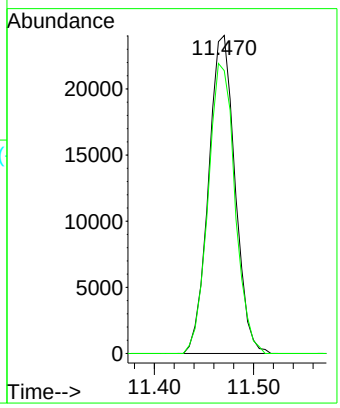




#61
1,2-Dibromoethane
Concen: 21.393 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:107 Resp: 44554

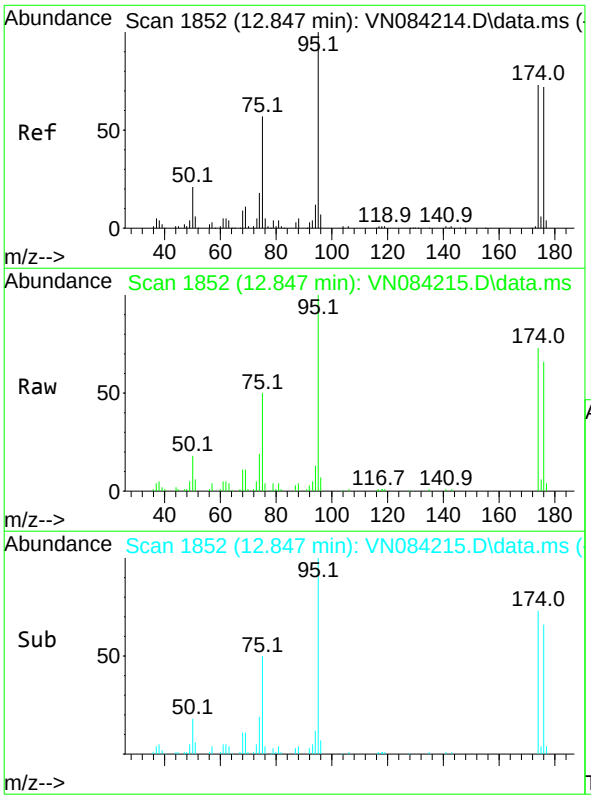
Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

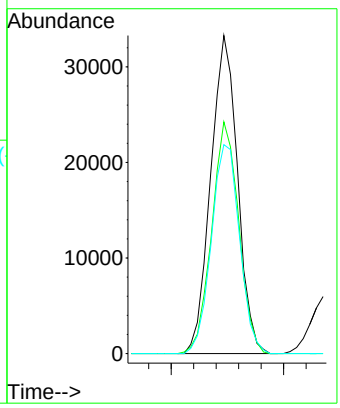
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

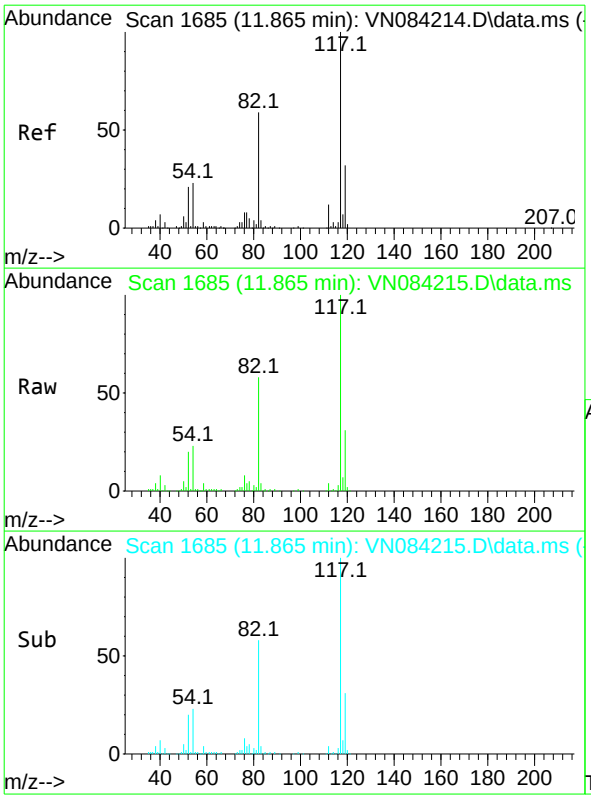


#62
4-Bromofluorobenzene
Concen: 20.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

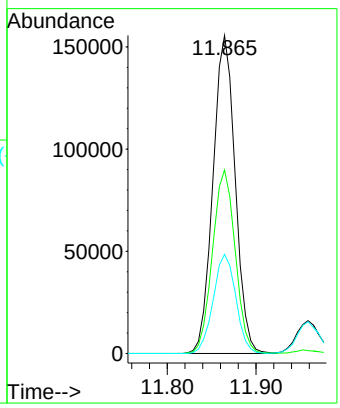




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 270754

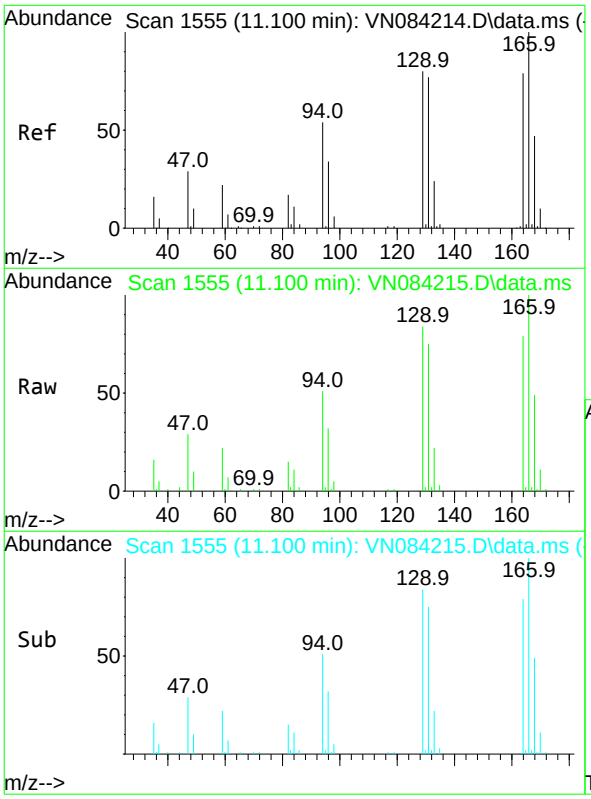
Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

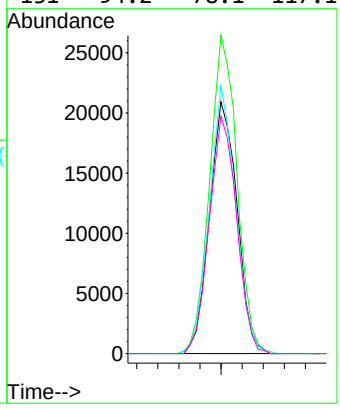
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

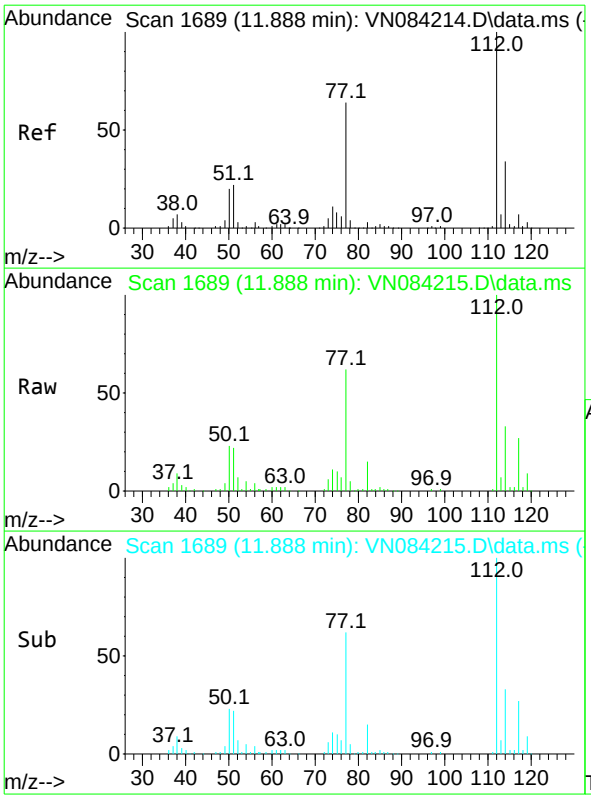


#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

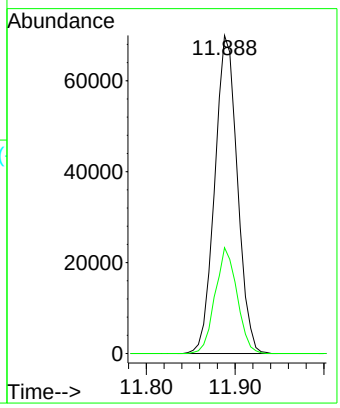




#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:112 Resp: 123787

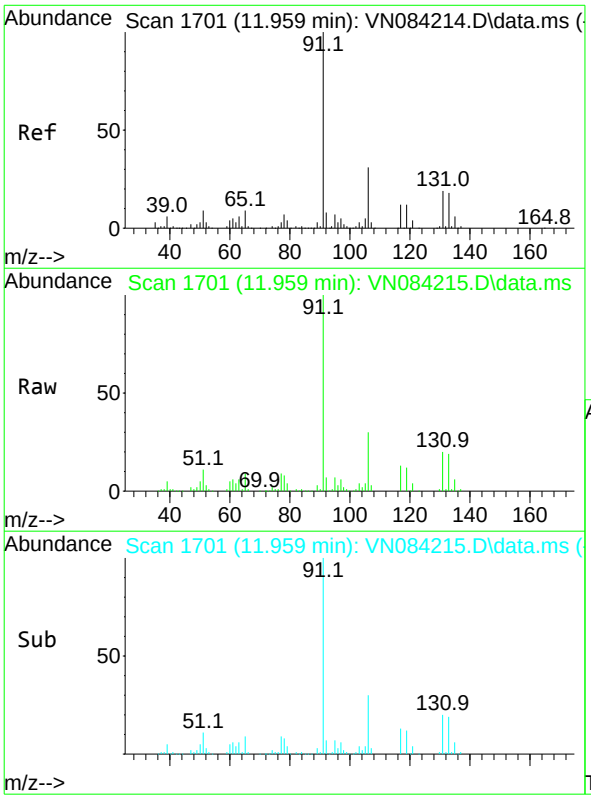
Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

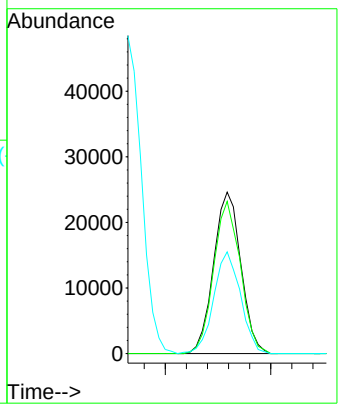
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

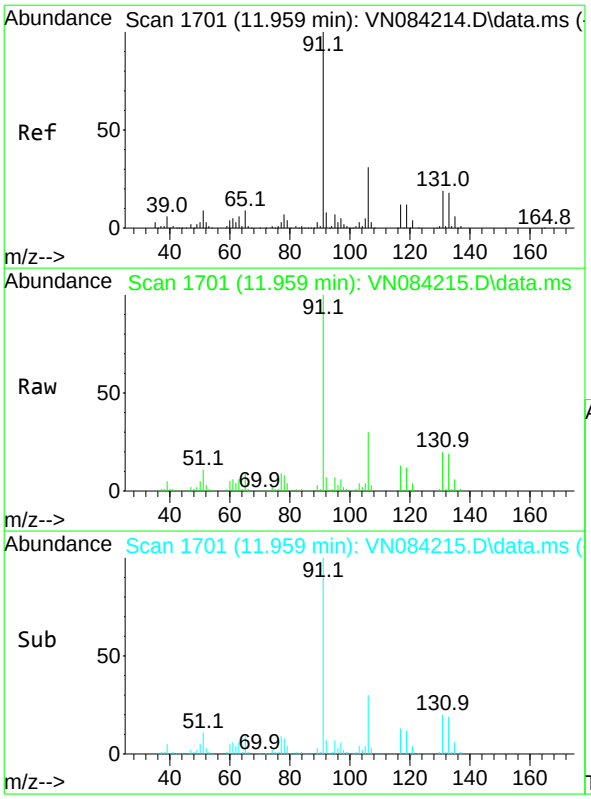


#66
1,1,1,2-Tetrachloroethane
Concen: 21.417 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

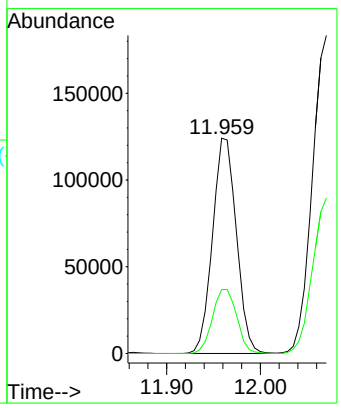




#67
Ethyl Benzene
Concen: 20.688 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 219635

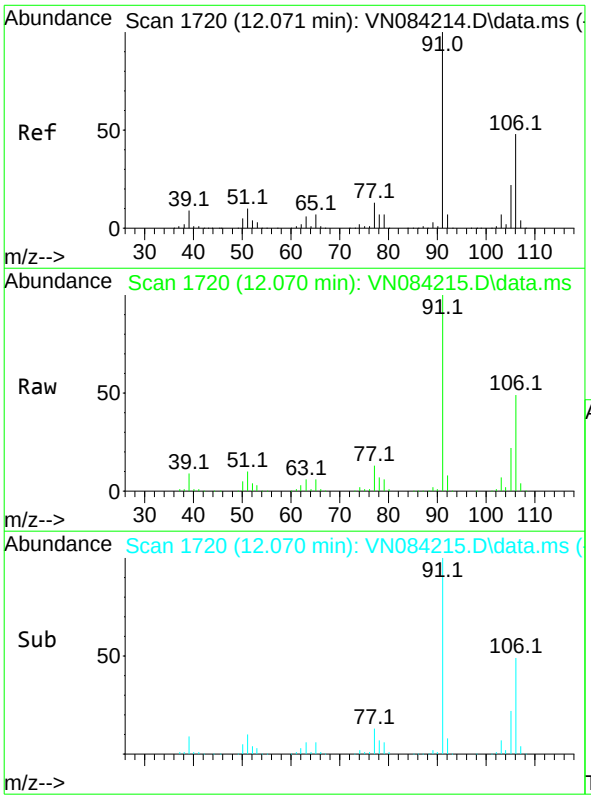
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

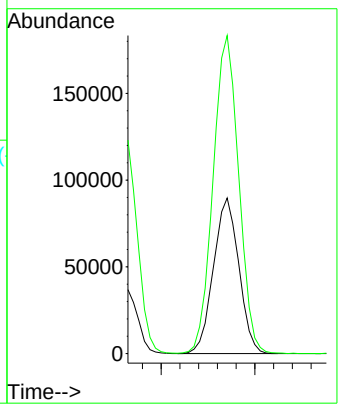
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

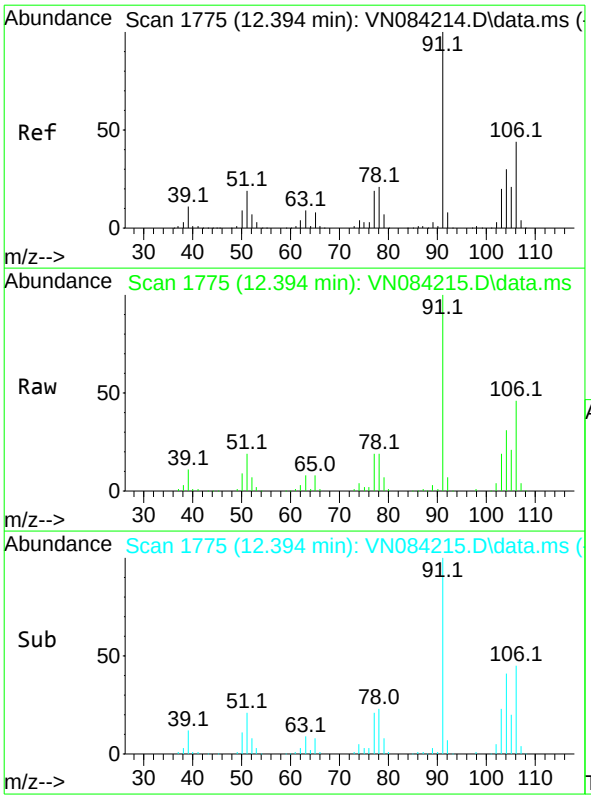


#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 168826

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.1	250.7

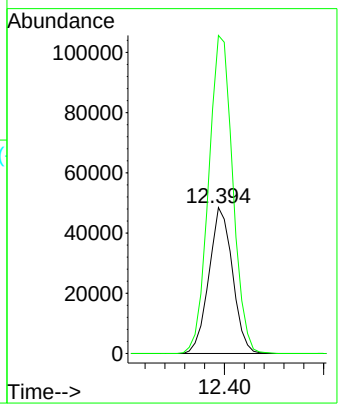




#69
o-Xylene
Concen: 21.503 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 79896

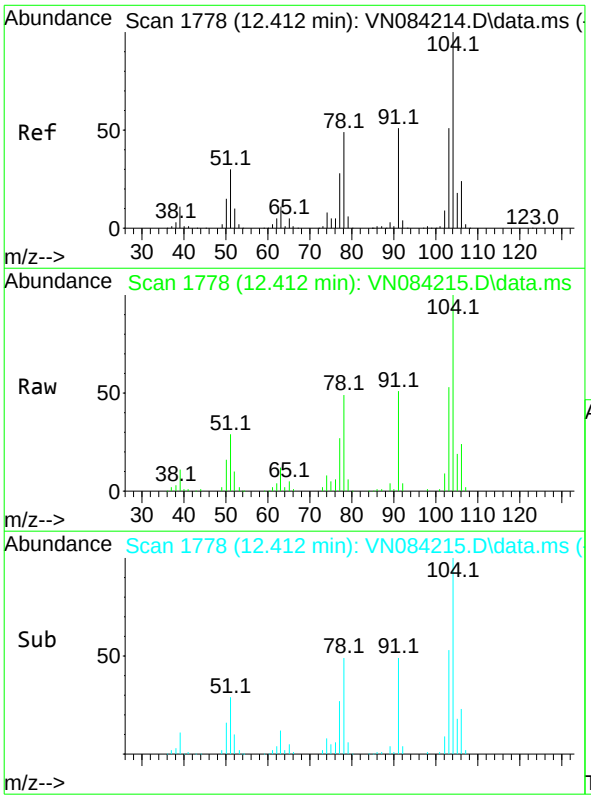
Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

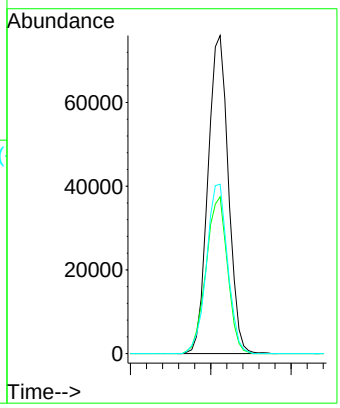
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

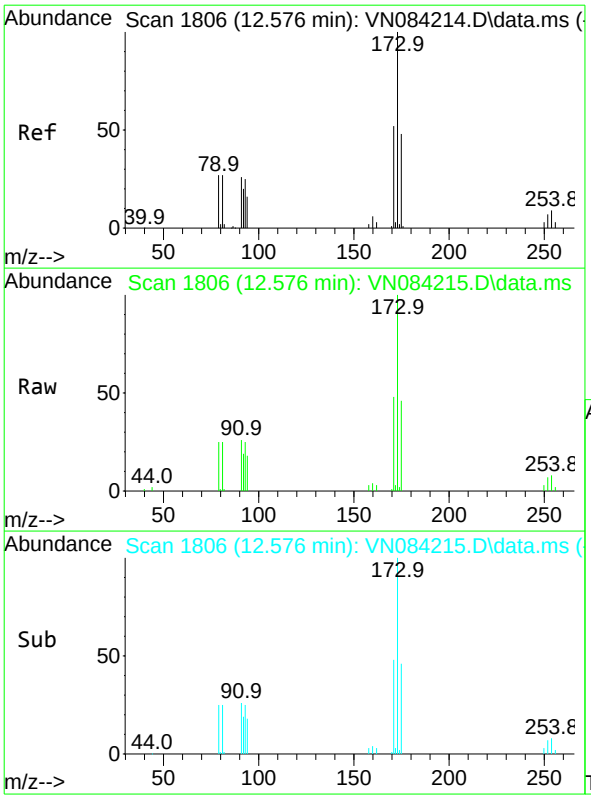


#70
Styrene
Concen: 21.302 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

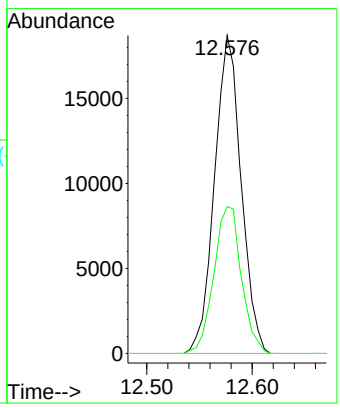




#71
Bromoform
Concen: 21.561 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:173 Resp: 32824

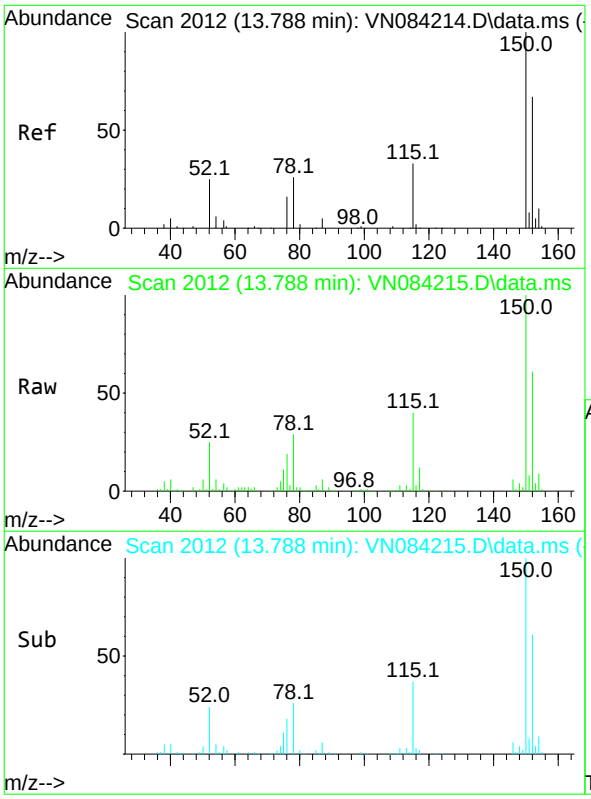
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

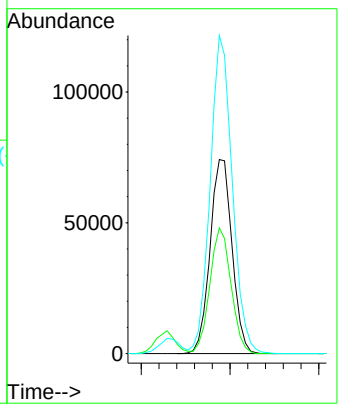
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

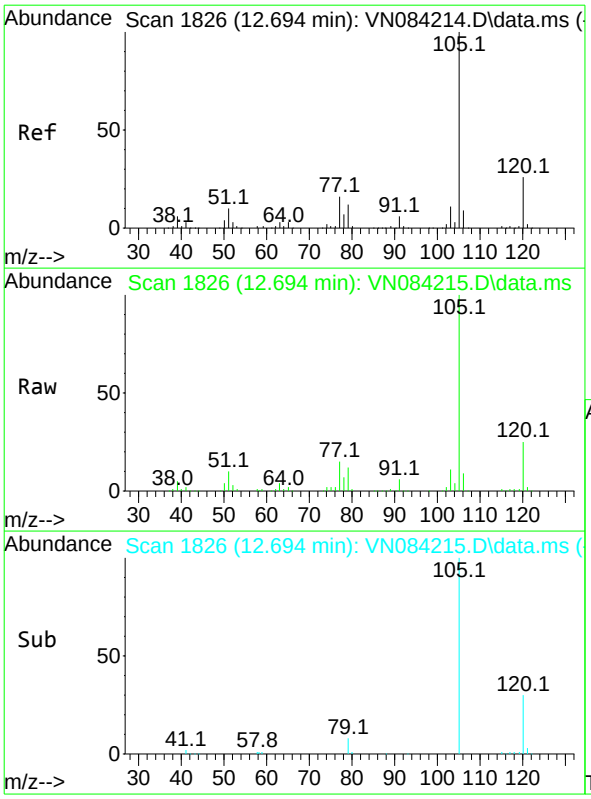


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

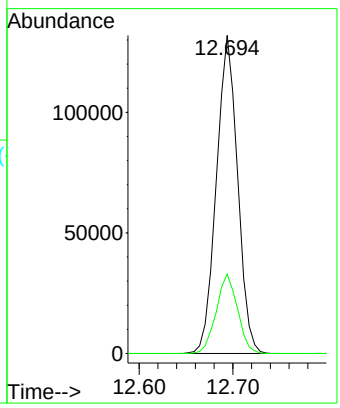




#73
Isopropylbenzene
Concen: 21.254 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 207217

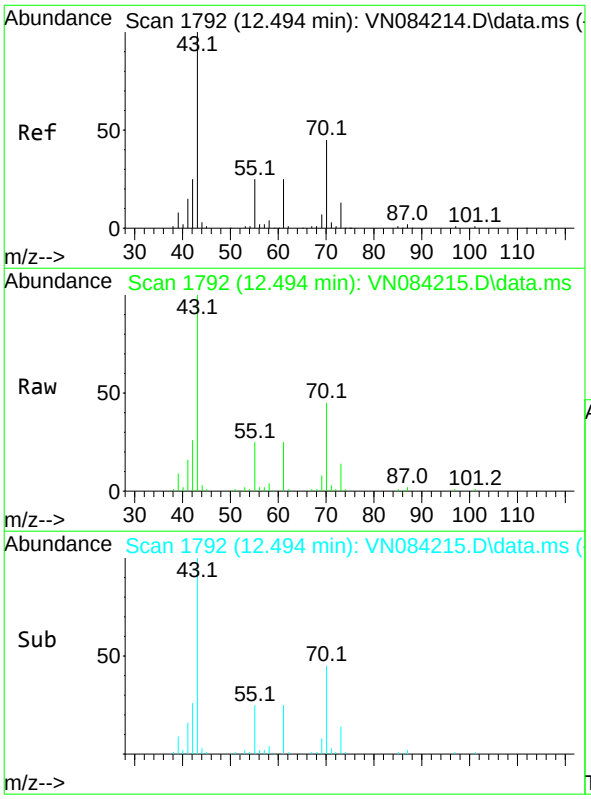
Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

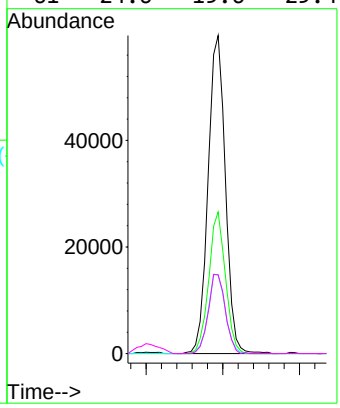
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

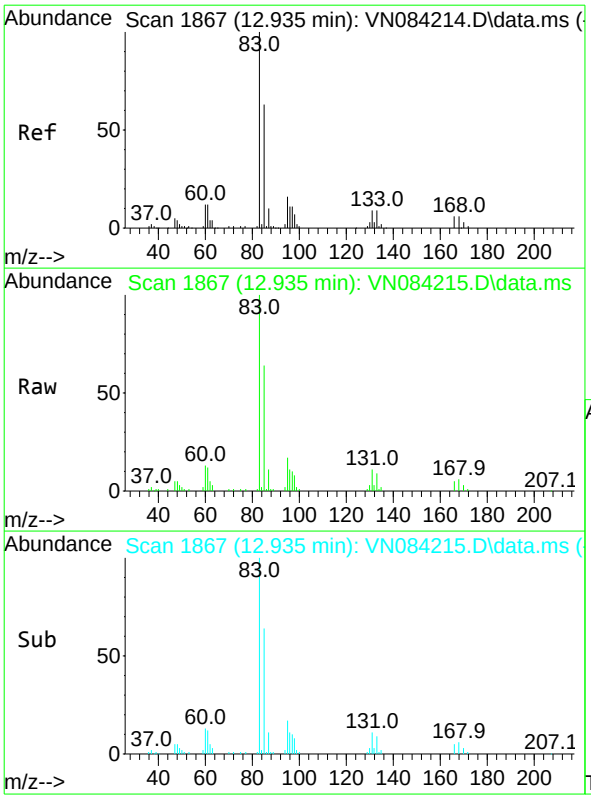


#74
N-amyl acetate
Concen: 21.154 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

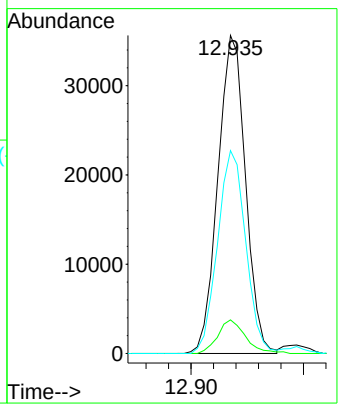




#75
1,1,2,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 60656

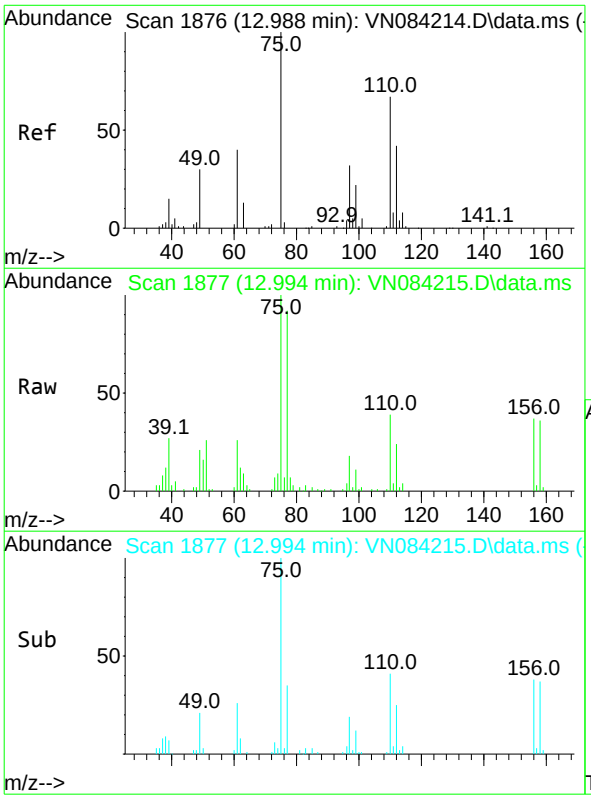
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	65.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

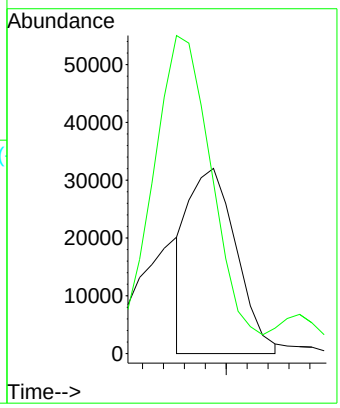
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

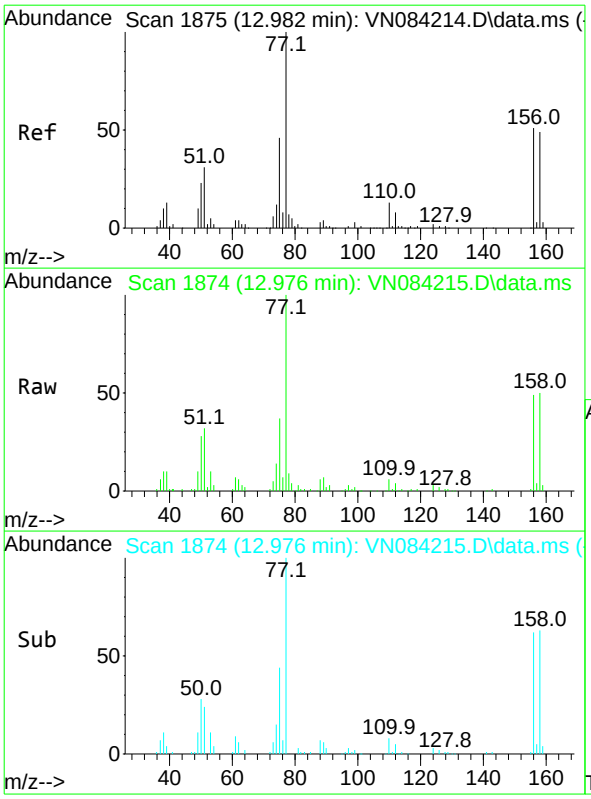


#76
1,2,3-Trichloropropane
Concen: 20.124 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 51246

Ion	Ratio	Lower	Upper
75	100		
77	216.2	96.9	290.7

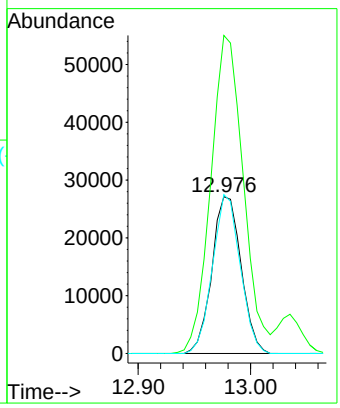




#77
Bromobenzene
Concen: 20.752 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:156 Resp: 48803

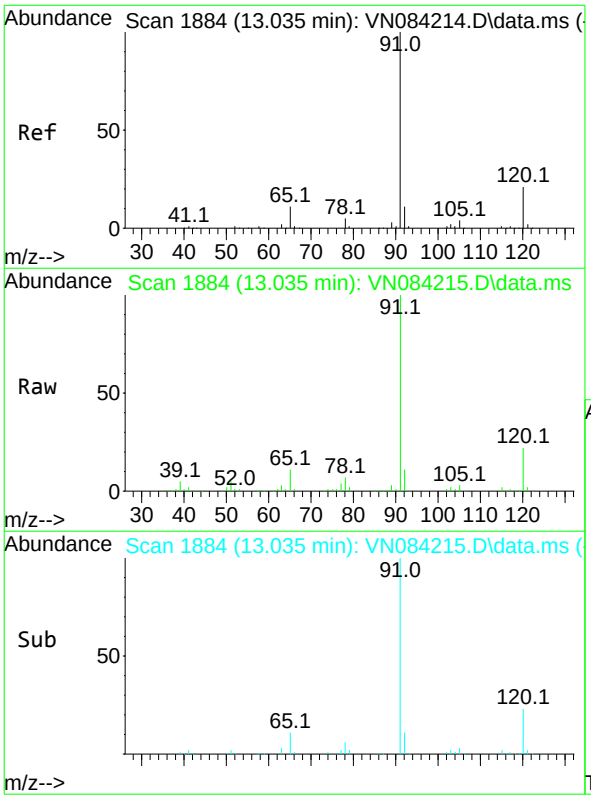
Ion	Ratio	Lower	Upper
156	100		
77	227.1	115.1	345.3
158	96.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

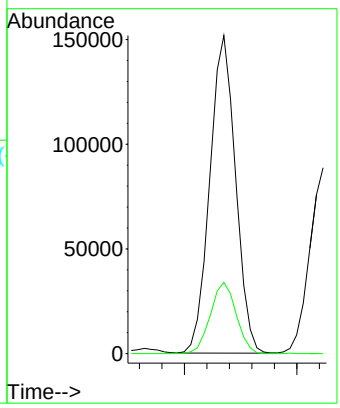
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

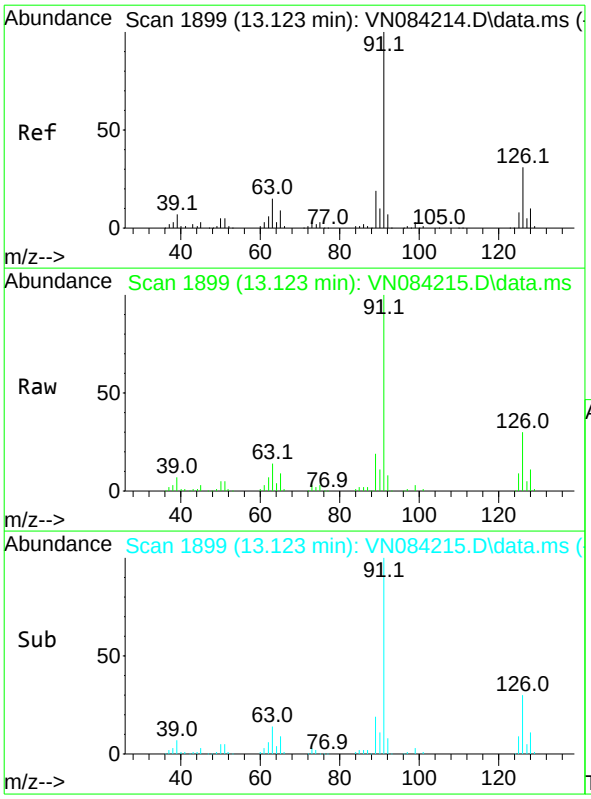


#78
n-propylbenzene
Concen: 21.350 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 241164

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

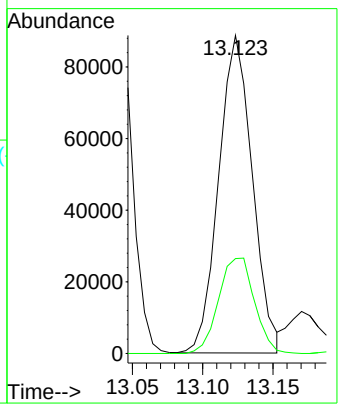




#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 147738

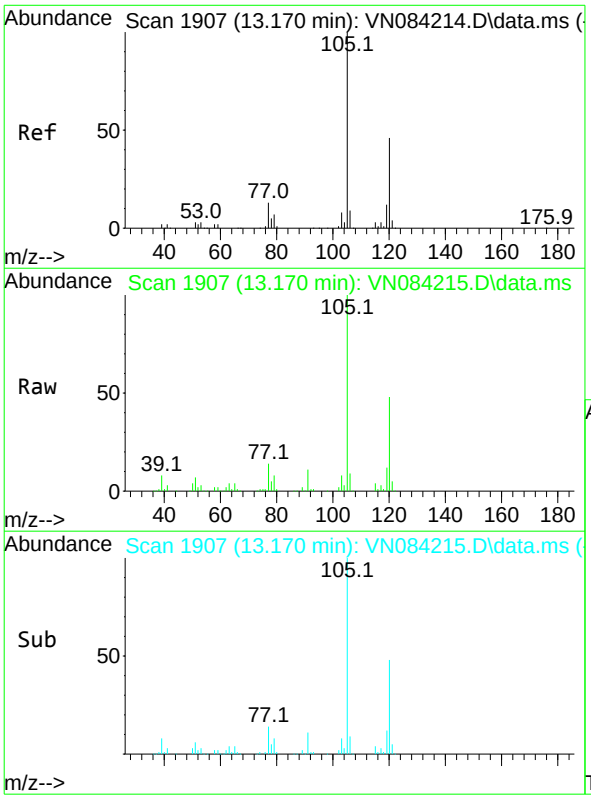
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

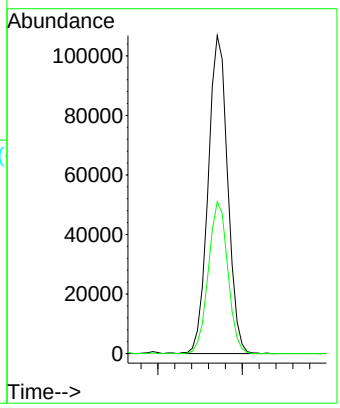
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

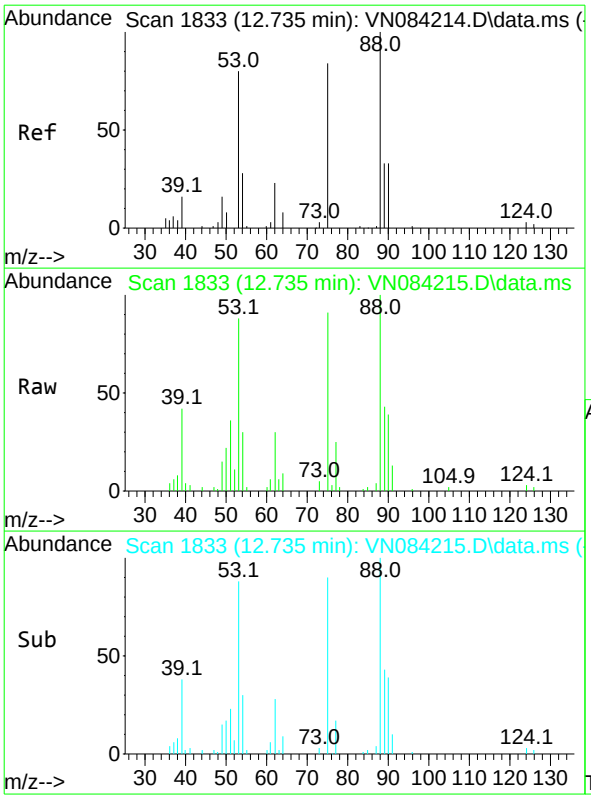


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

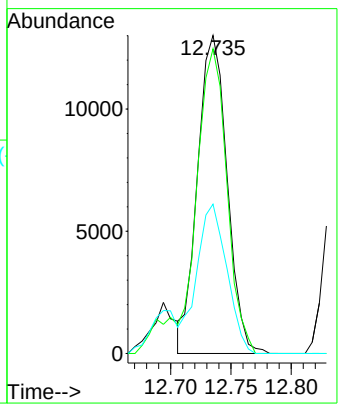
Tgt Ion: 75 Resp: 22222

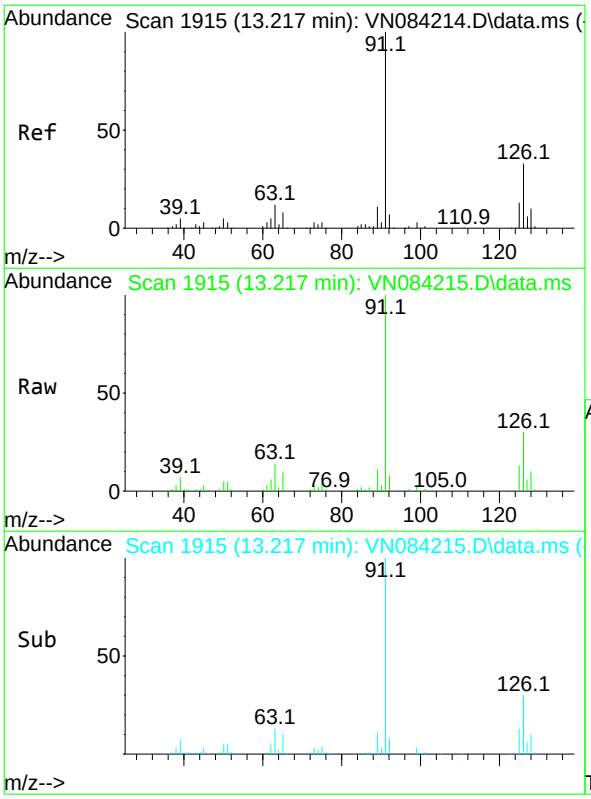
Ion	Ratio	Lower	Upper
75	100		
53	105.8	78.0	117.0
89	48.1	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

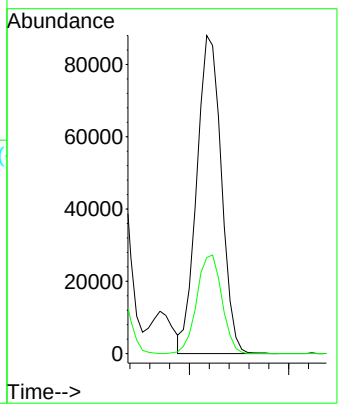


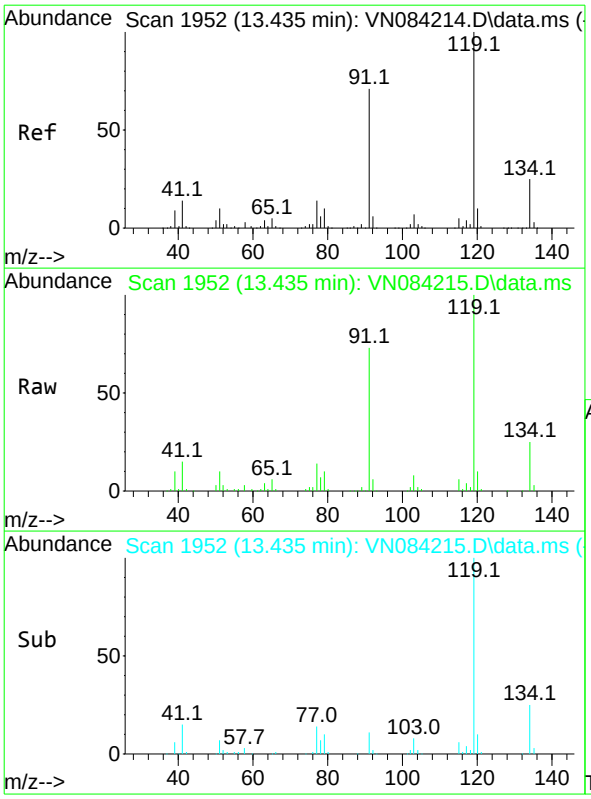


#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151387

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

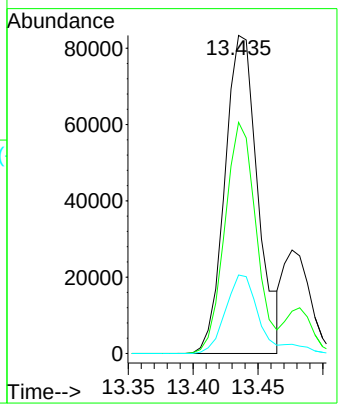




#83
tert-Butylbenzene
Concen: 20.899 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:119 Resp: 147727

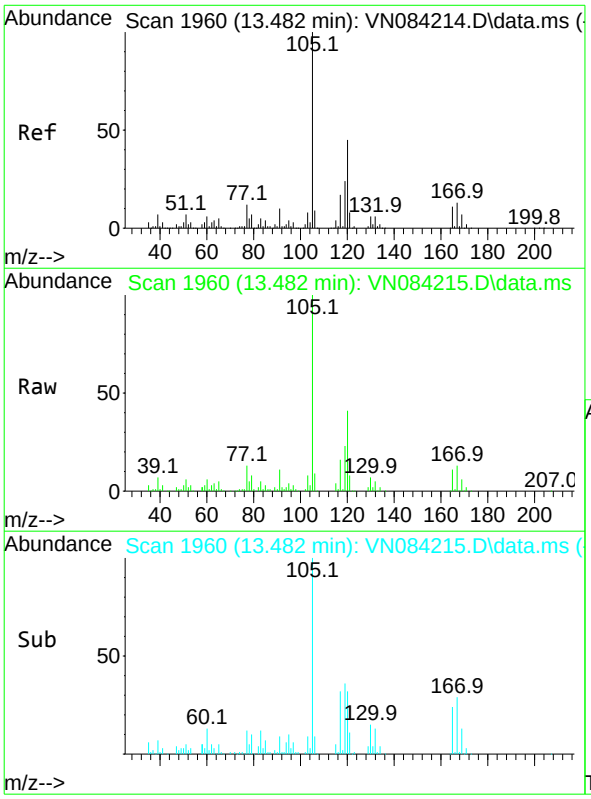
Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	25.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

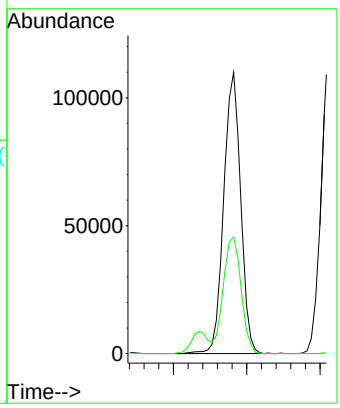
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

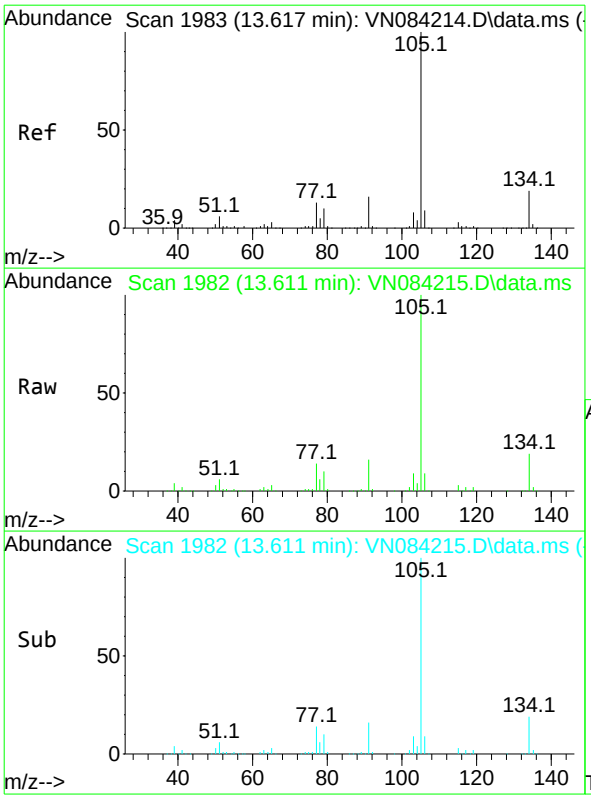


#84
1,2,4-Trimethylbenzene
Concen: 22.004 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 176283

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8

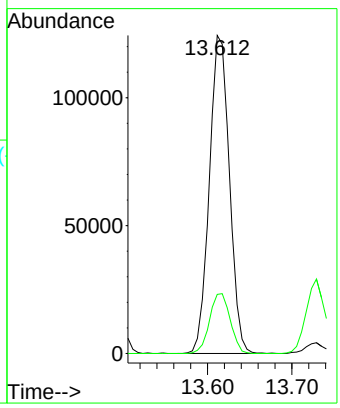




#85
sec-Butylbenzene
Concen: 21.784 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 205477

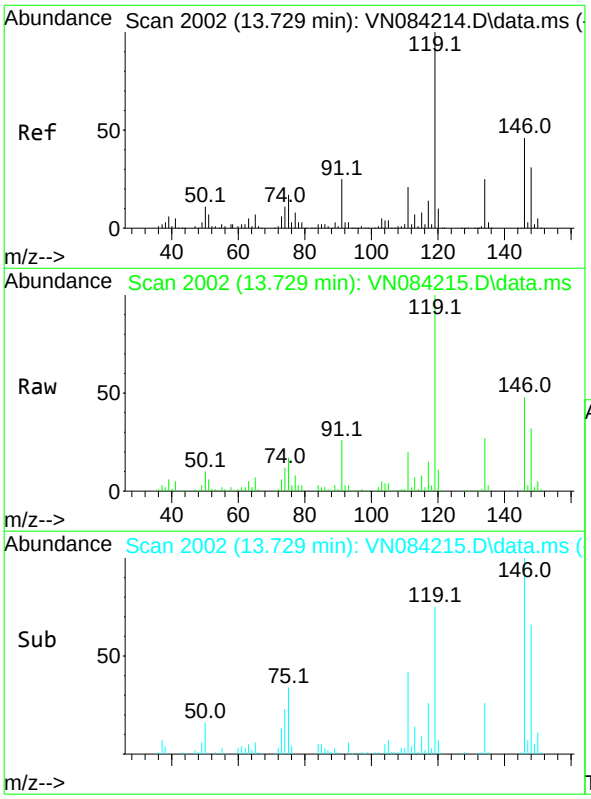
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

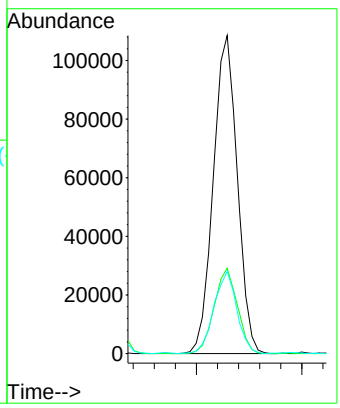
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

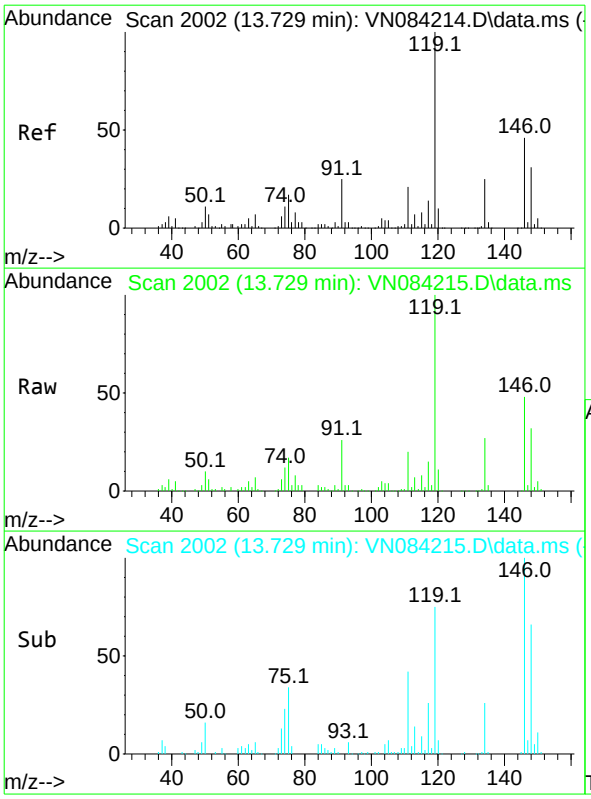


#86
p-Isopropyltoluene
Concen: 22.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

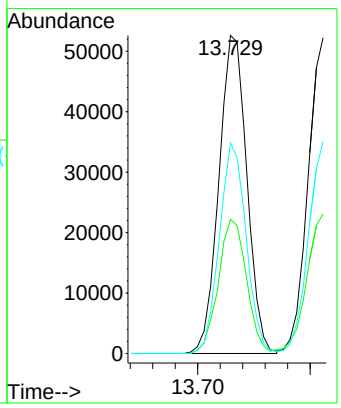




#87
1,3-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 90970

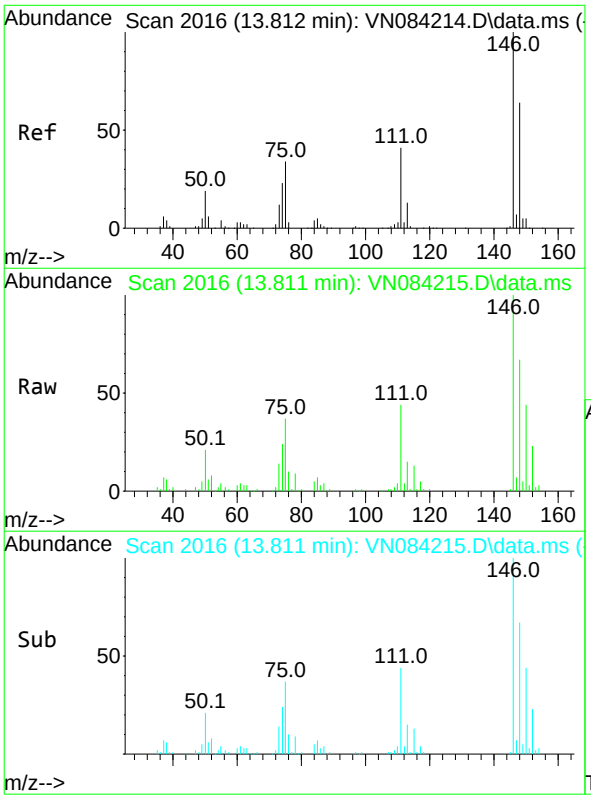
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.3
148	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

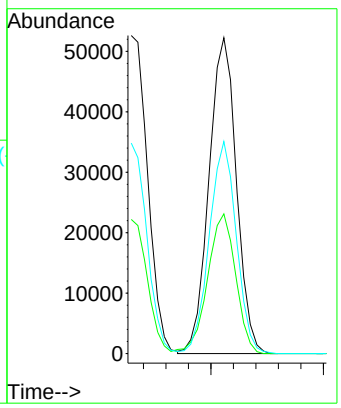
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

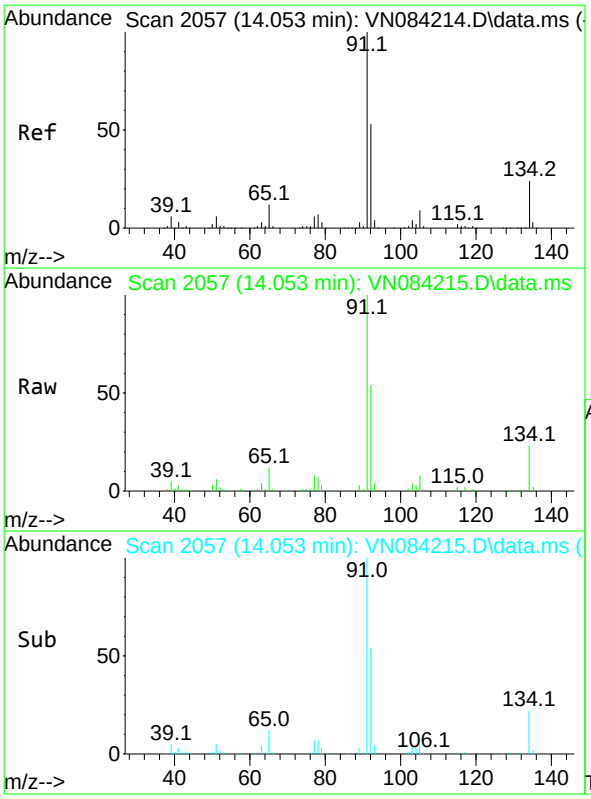


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

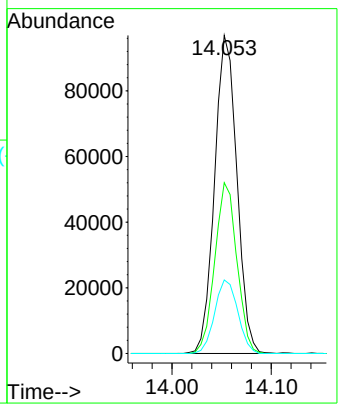




#89
n-Butylbenzene
Concen: 21.398 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151334

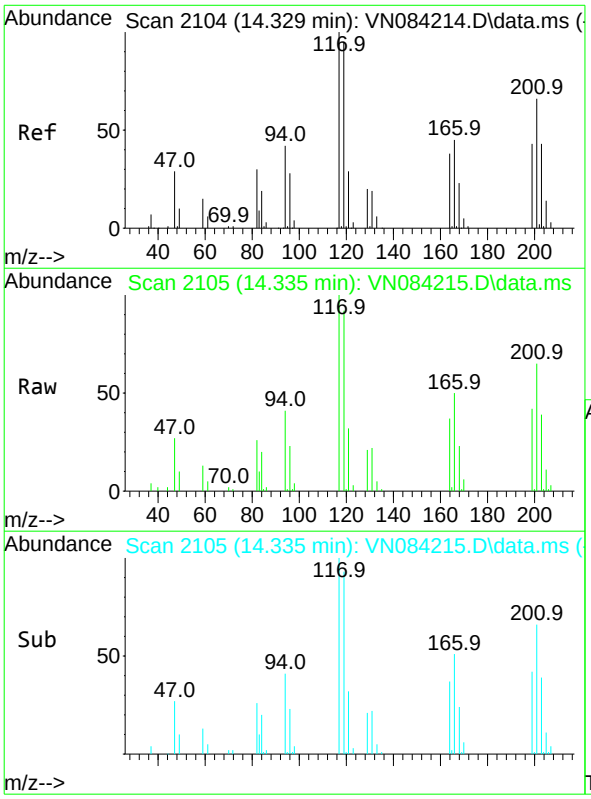
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	23.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

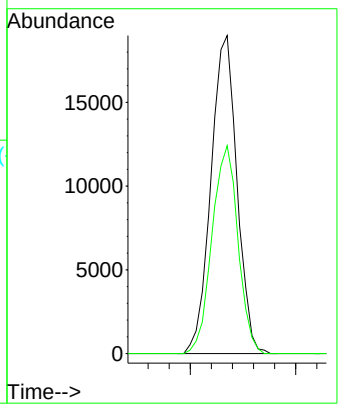
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

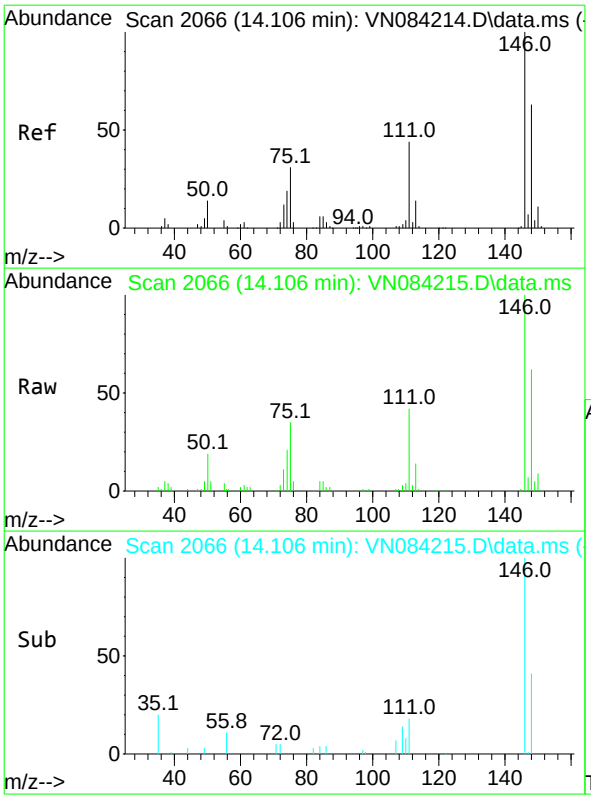


#90
Hexachloroethane
Concen: 20.562 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 32554

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2

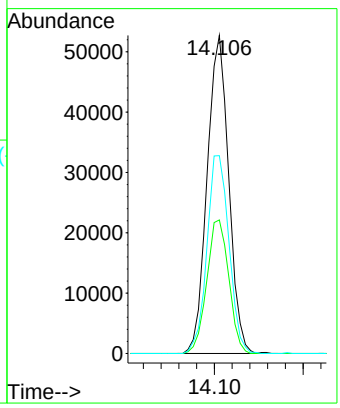




#91
1,2-Dichlorobenzene
Concen: 20.560 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:146 Resp: 88942

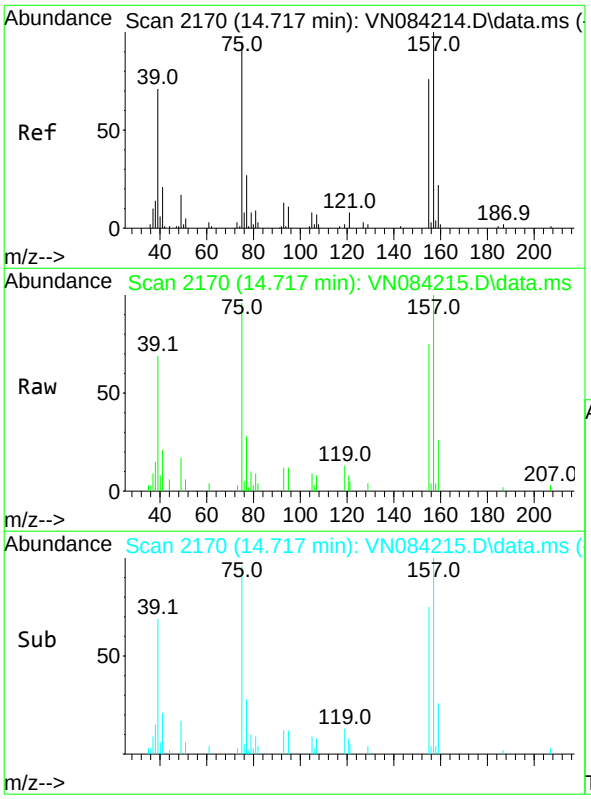
Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.0	66.0
148	63.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

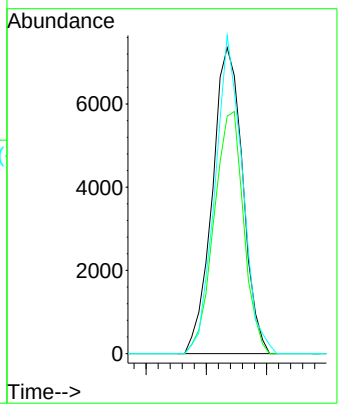
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

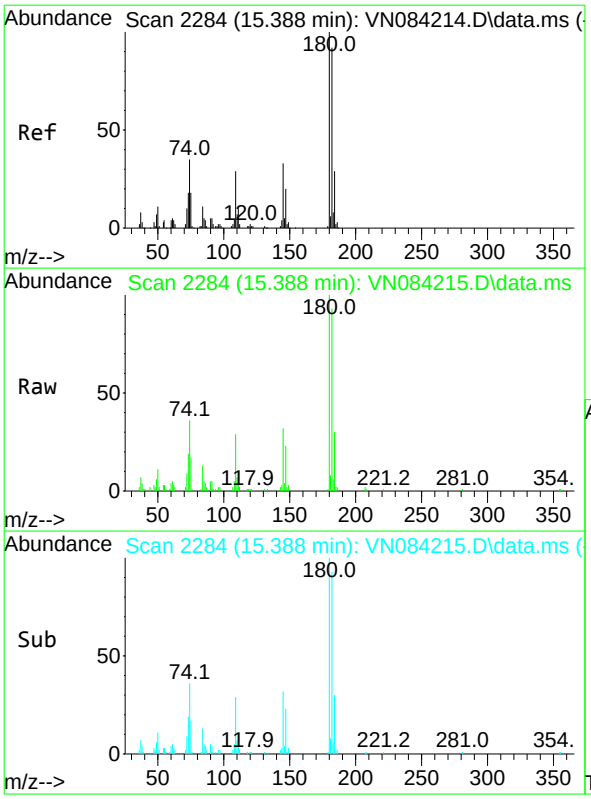


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.347 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

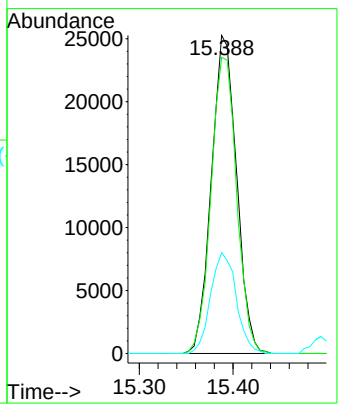




#93
1,2,4-Trichlorobenzene
Concen: 22.128 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:180 Resp: 47149

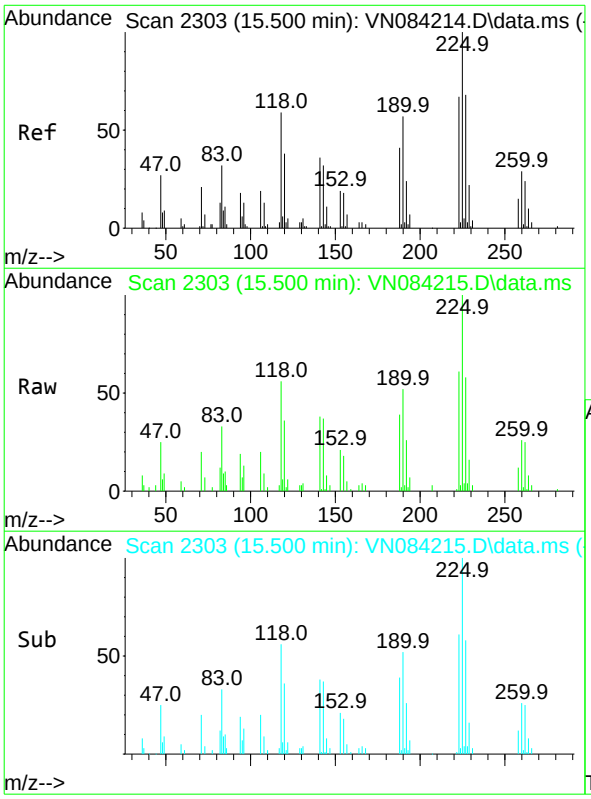
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	32.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

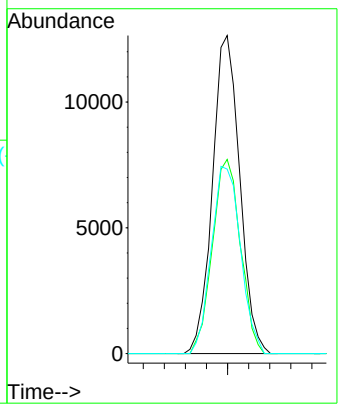
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

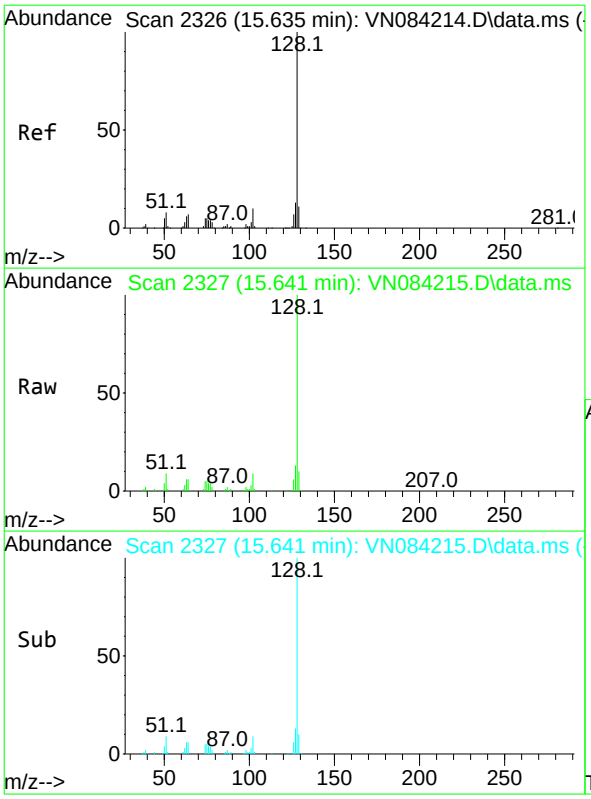


#94
Hexachlorobutadiene
Concen: 21.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

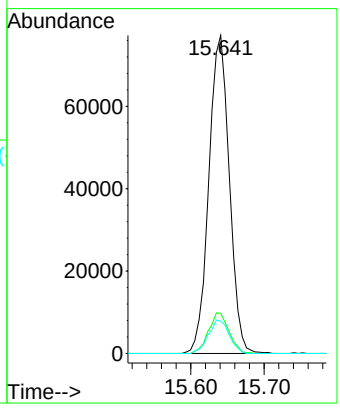




#95
Naphthalene
Concen: 21.233 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:128 Resp: 149988

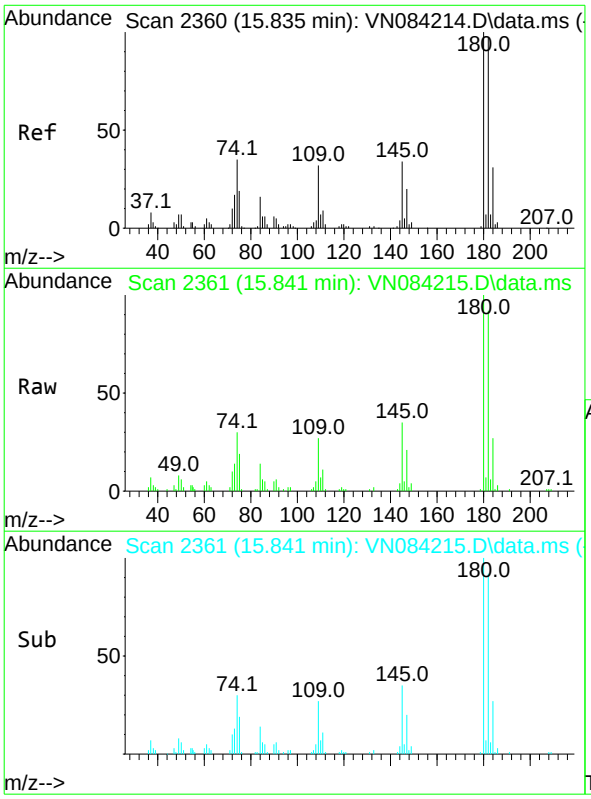
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

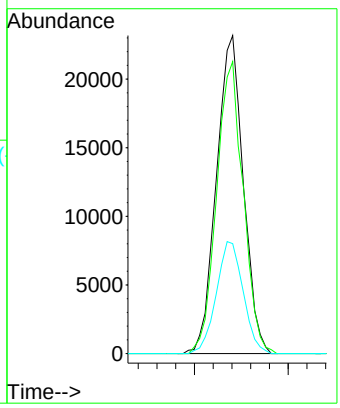
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

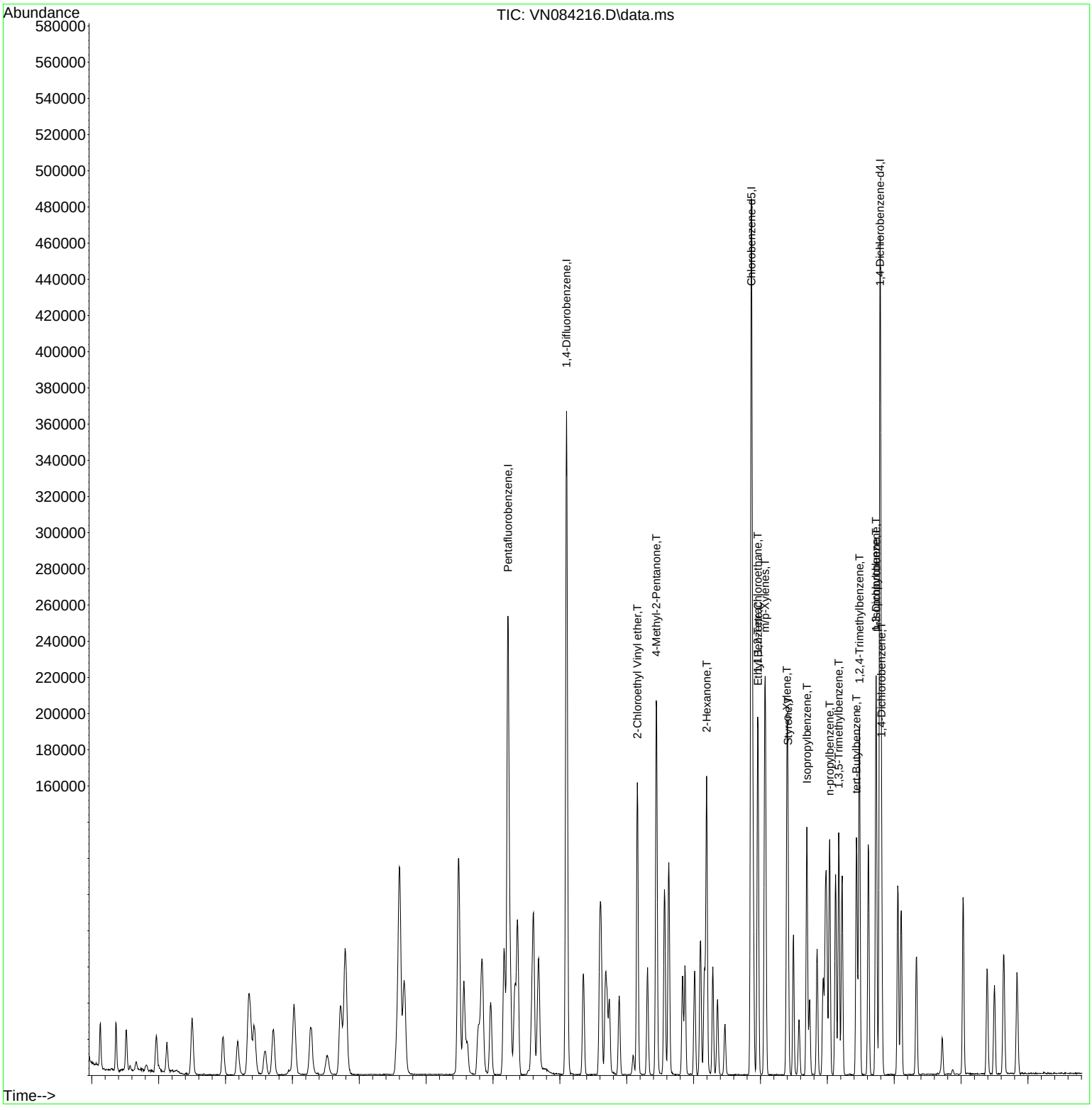
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084216.D
Acq On : 30 Sep 2024 13:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

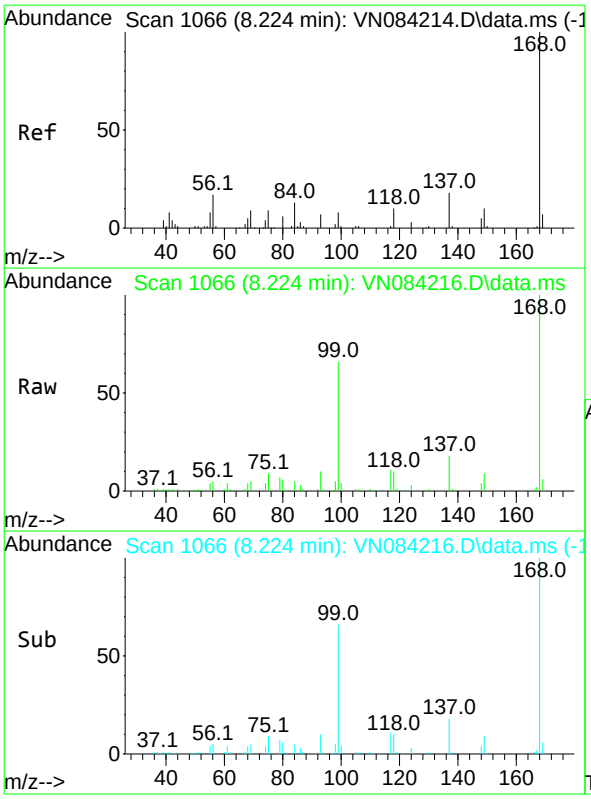
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

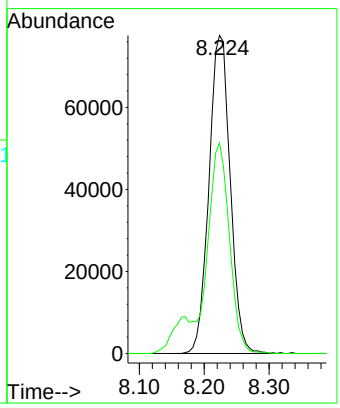




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:168 Resp: 176243

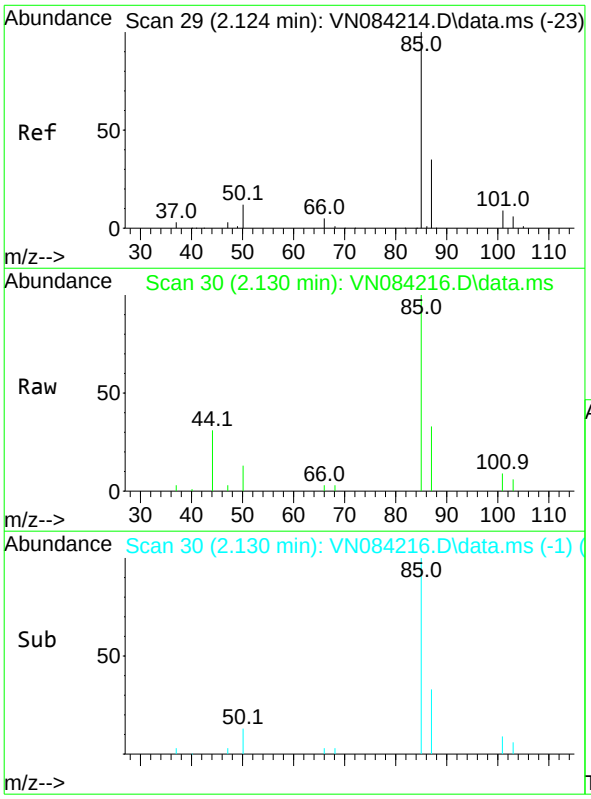
Ion	Ratio	Lower	Upper
168	100		
99	66.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

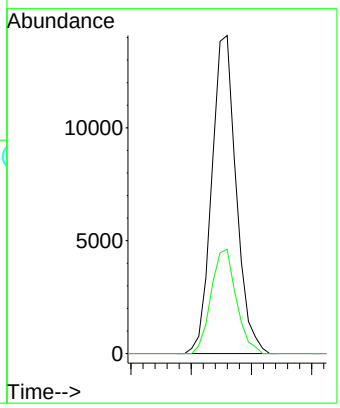
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

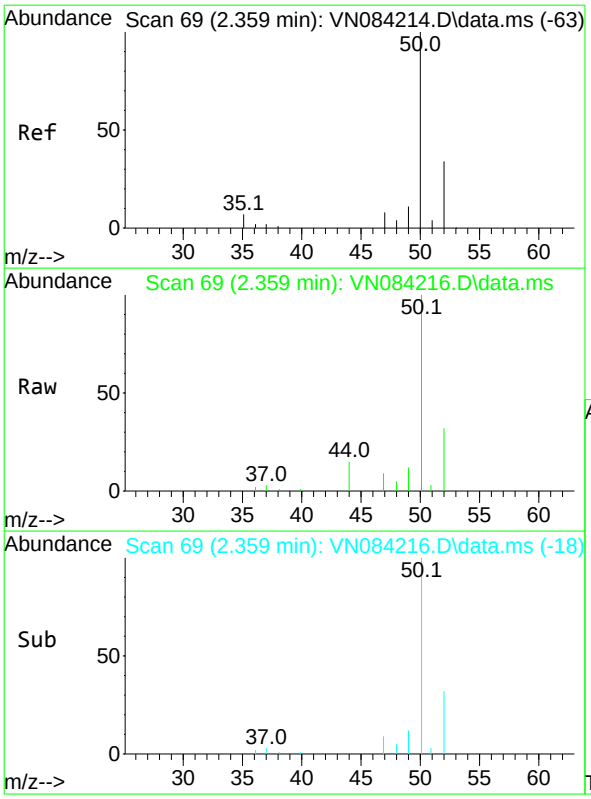


#2
Dichlorodifluoromethane
Concen: 9.501 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 85 Resp: 19806

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9

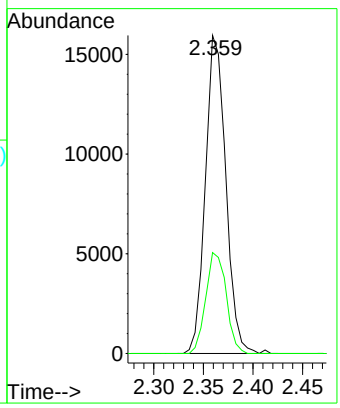




#3
Chloromethane
Concen: 9.595 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 50 Resp: 22840

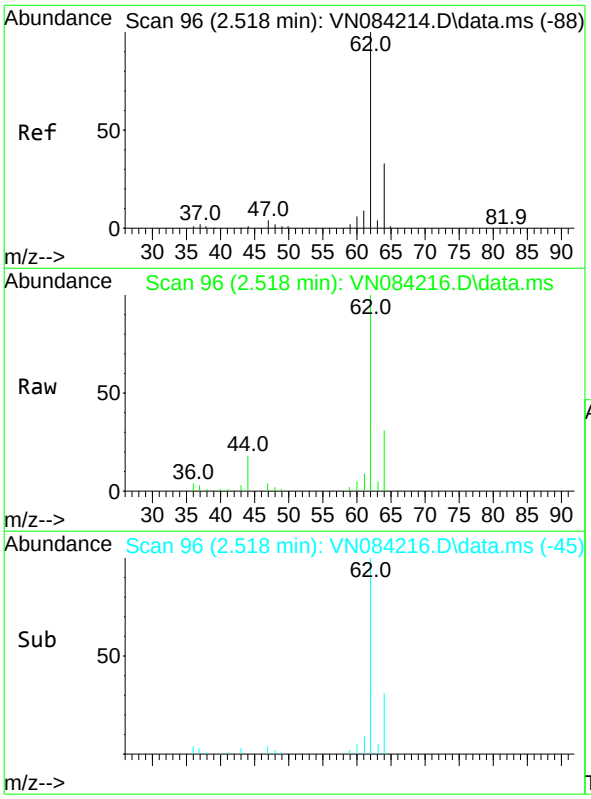
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

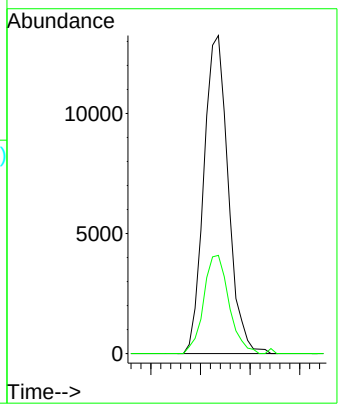
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

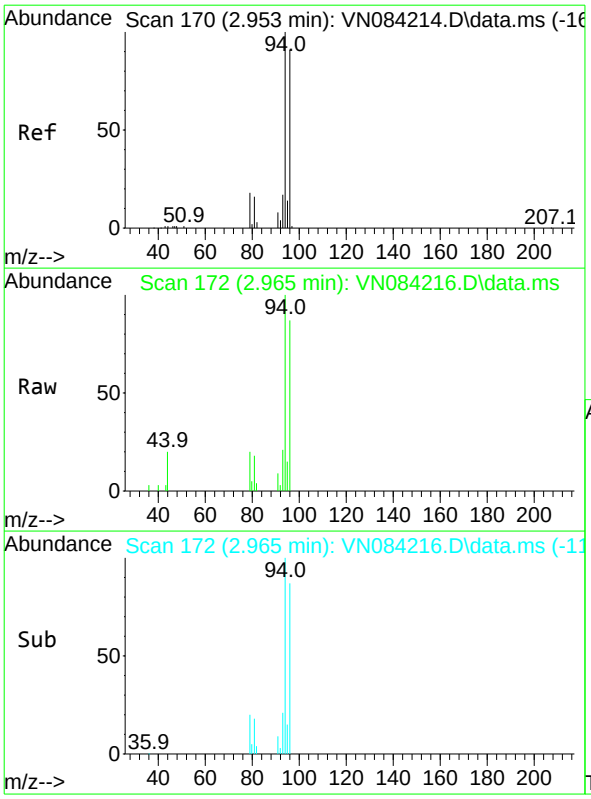


#4
Vinyl Chloride
Concen: 9.795 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 22584

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

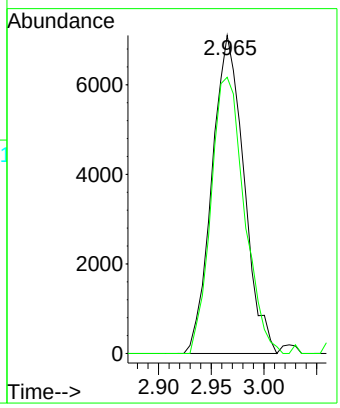




#5
Bromomethane
Concen: 9.835 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 94 Resp: 14957

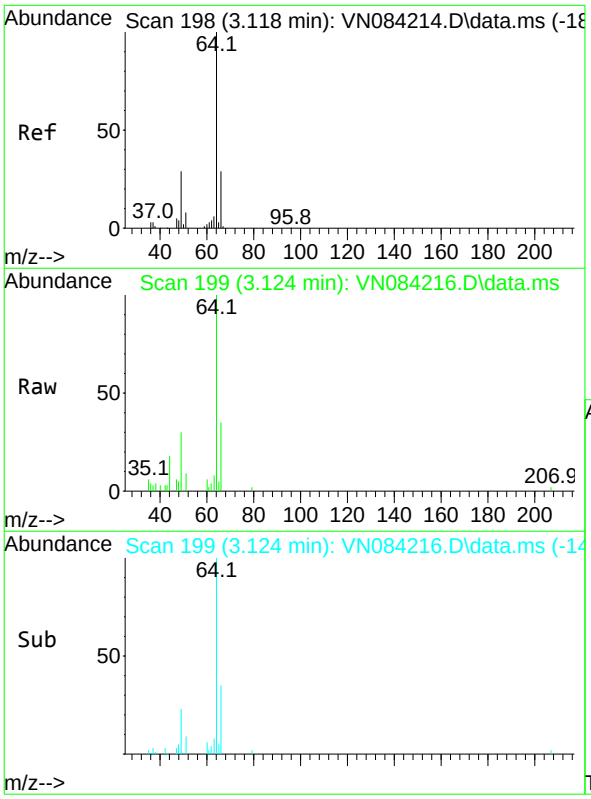
Ion	Ratio	Lower	Upper
94	100		
96	86.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

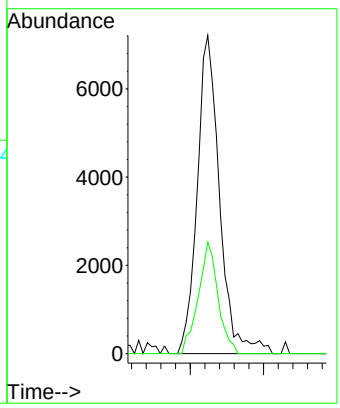
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

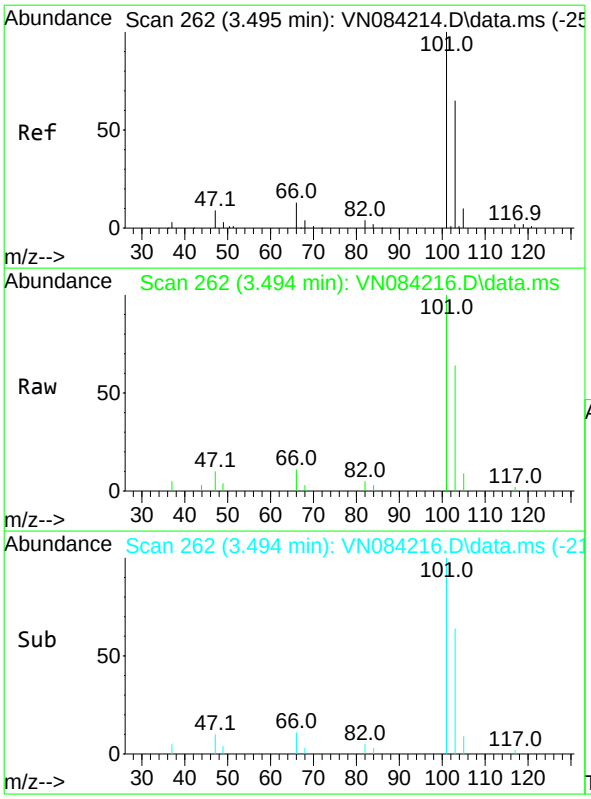


#6
Chloroethane
Concen: 9.238 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 64 Resp: 15254

Ion	Ratio	Lower	Upper
64	100		
66	35.0	23.5	35.3

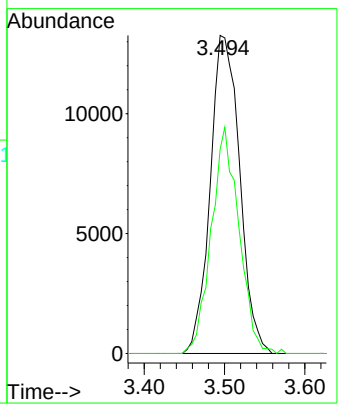




#7
Trichlorofluoromethane
Concen: 9.420 ug/l
RT: 3.494 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:101 Resp: 33820

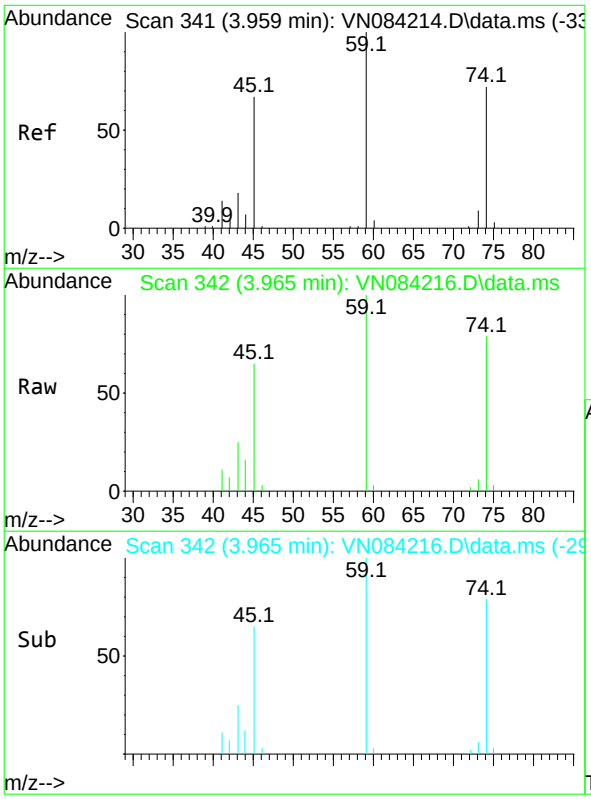
Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

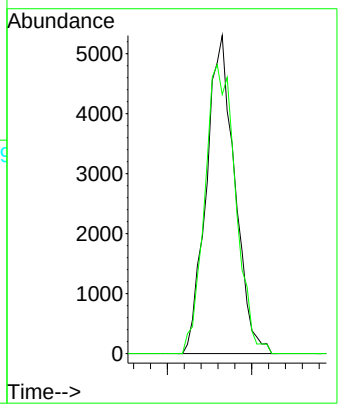
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

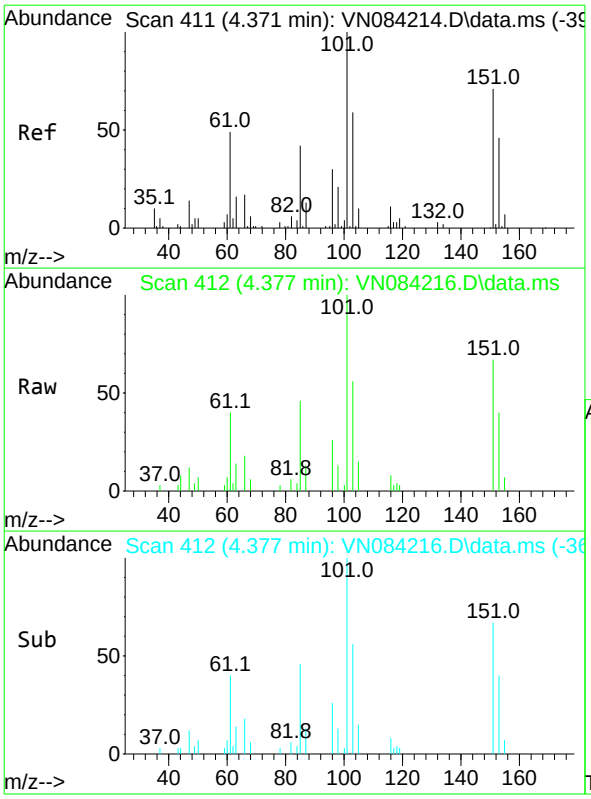


#8
Diethyl Ether
Concen: 9.328 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 74 Resp: 12422

Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.7	143.1

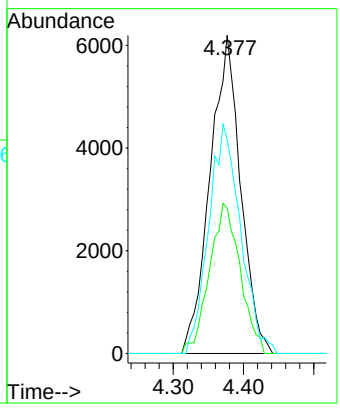




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:101 Resp: 18747

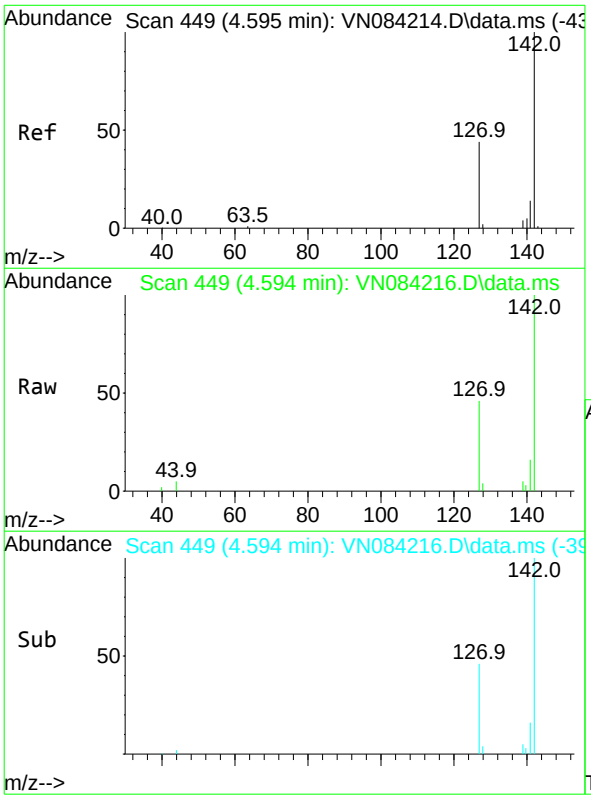
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.2	54.4
151	75.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

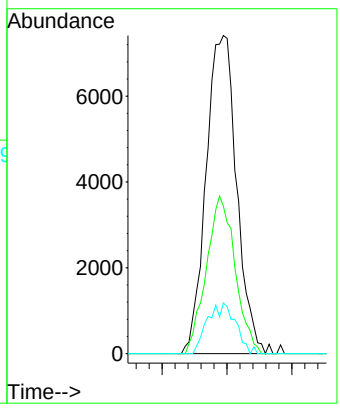
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

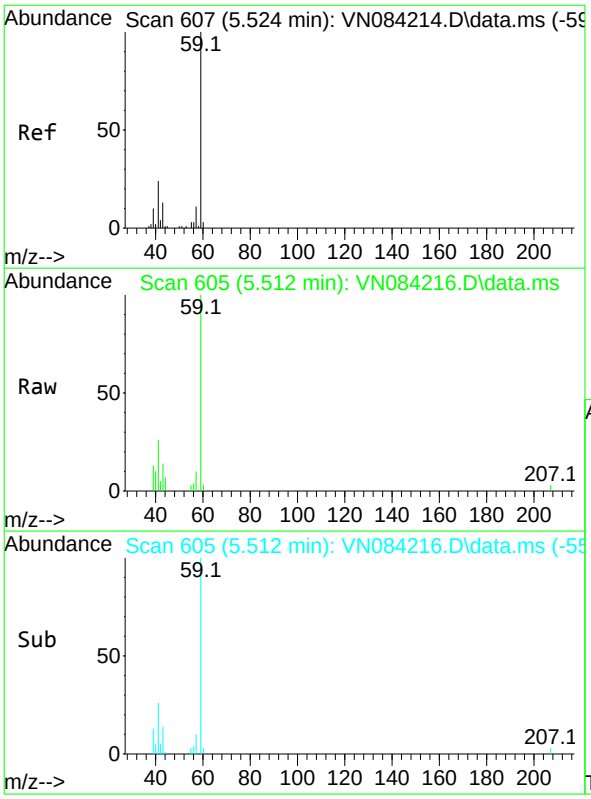


#10
Methyl Iodide
Concen: 9.160 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

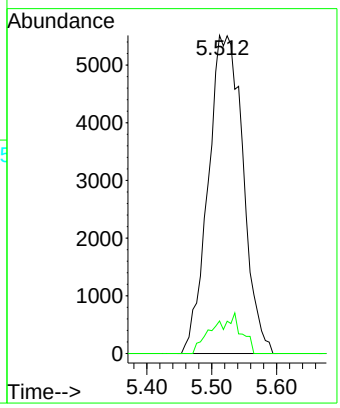




#11
Tert butyl alcohol
Concen: 47.553 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 59 Resp: 20490

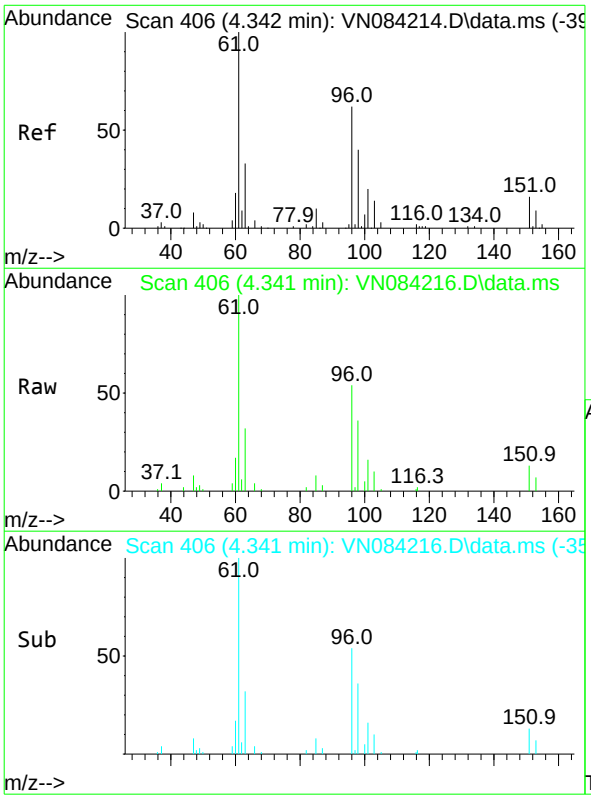
Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

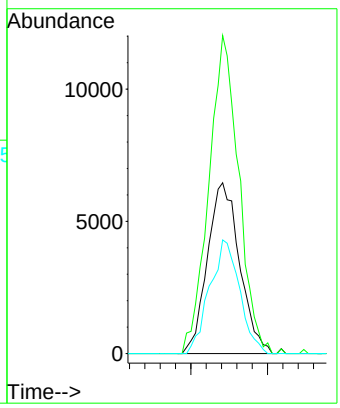
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

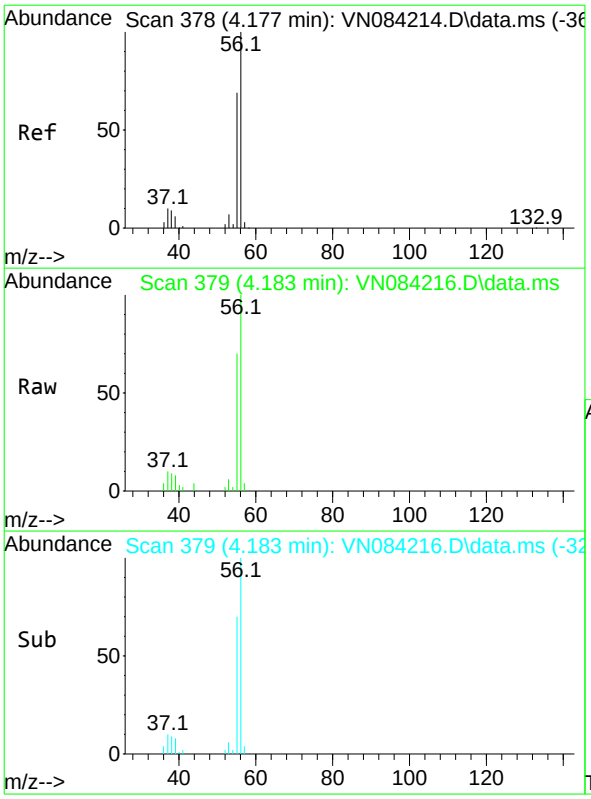


#12
1,1-Dichloroethene
Concen: 9.473 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

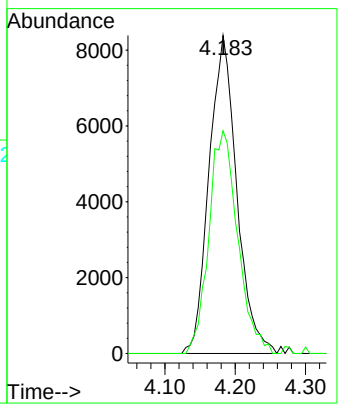




#13
Acrolein
Concen: 46.448 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 56 Resp: 22976

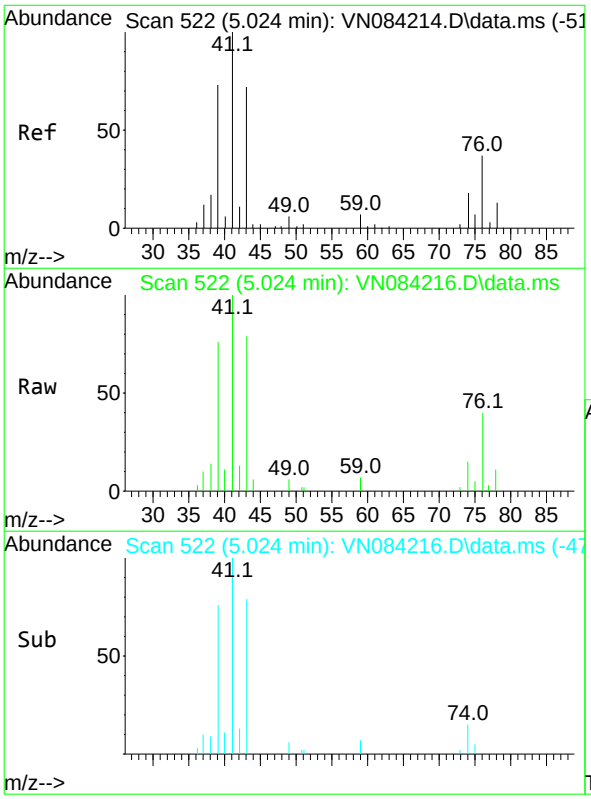
Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

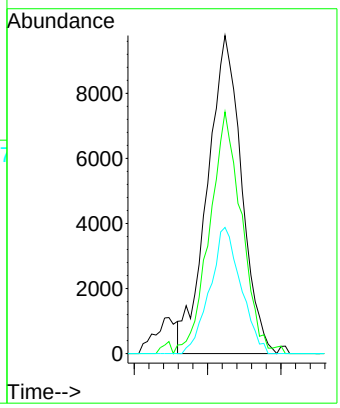
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

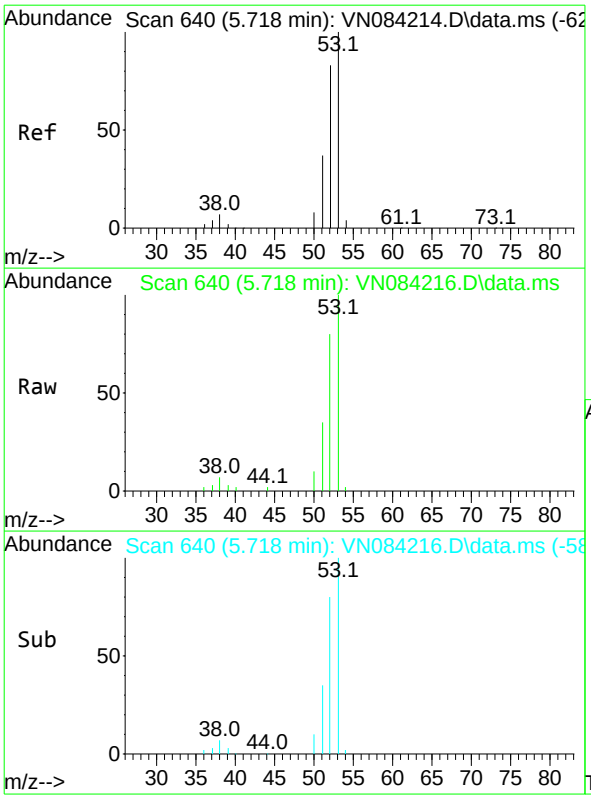


#14
Allyl chloride
Concen: 9.161 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

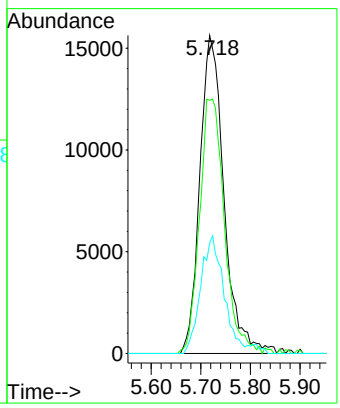




#15
Acrylonitrile
Concen: 48.533 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 53 Resp: 52809

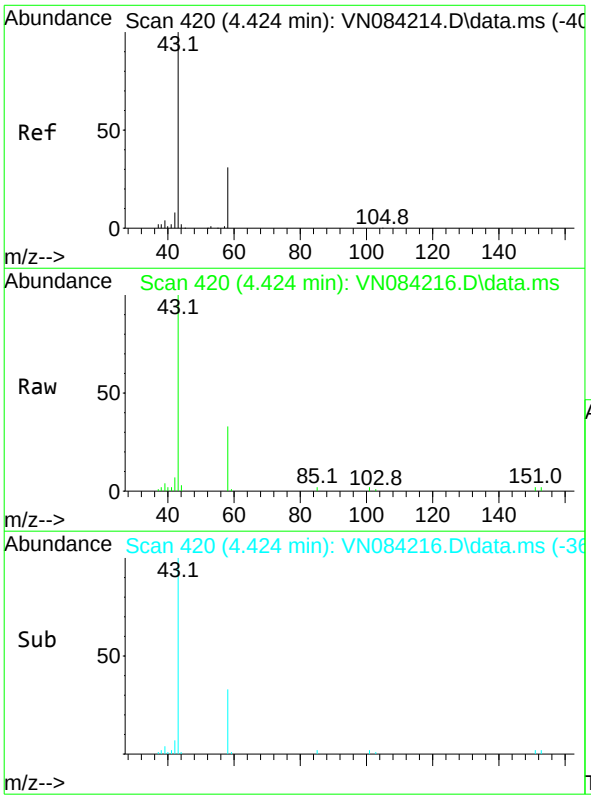
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.4	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

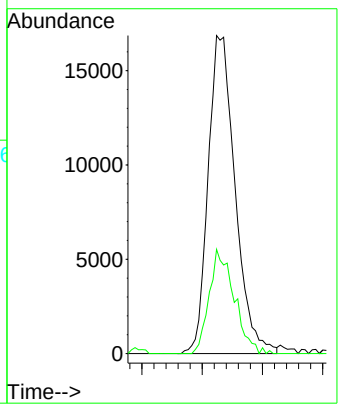
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

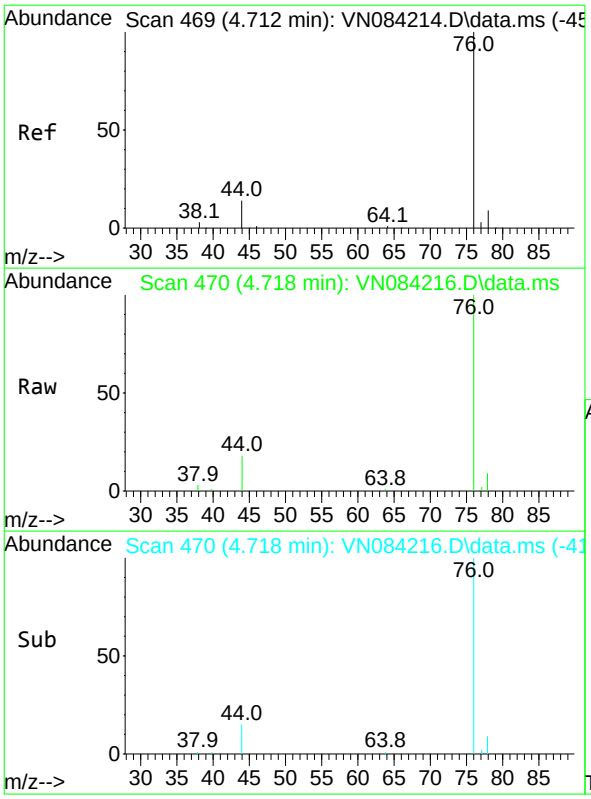


#16
Acetone
Concen: 46.785 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52518

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6

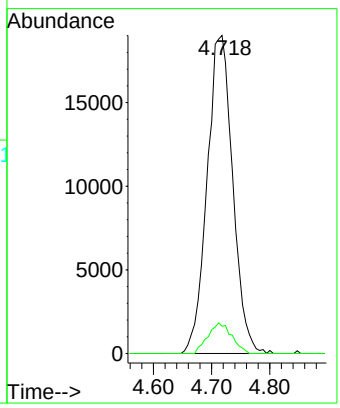




#17
Carbon Disulfide
Concen: 9.257 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 76 Resp: 58158

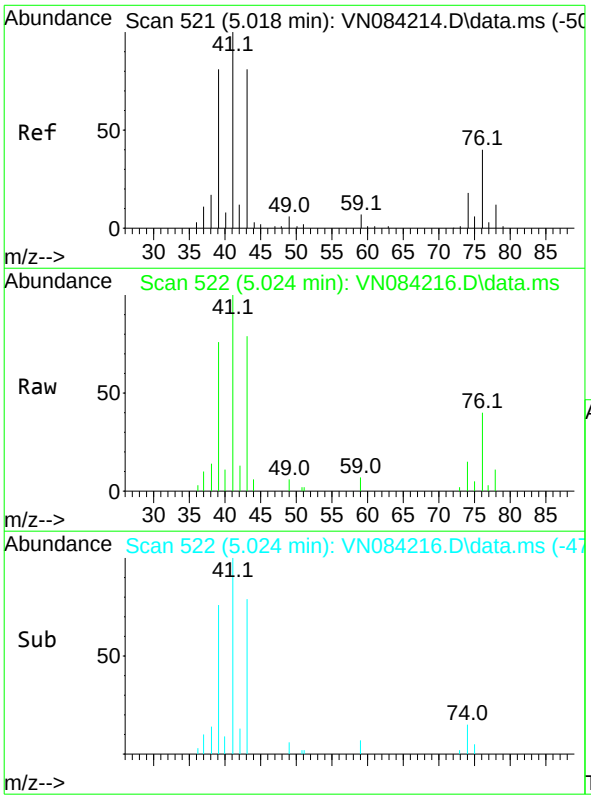
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

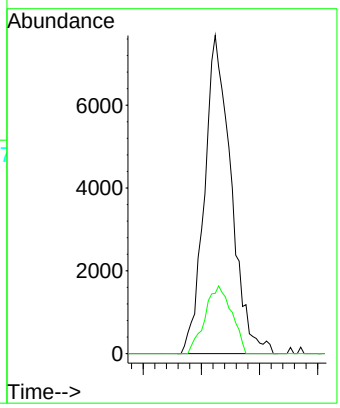
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

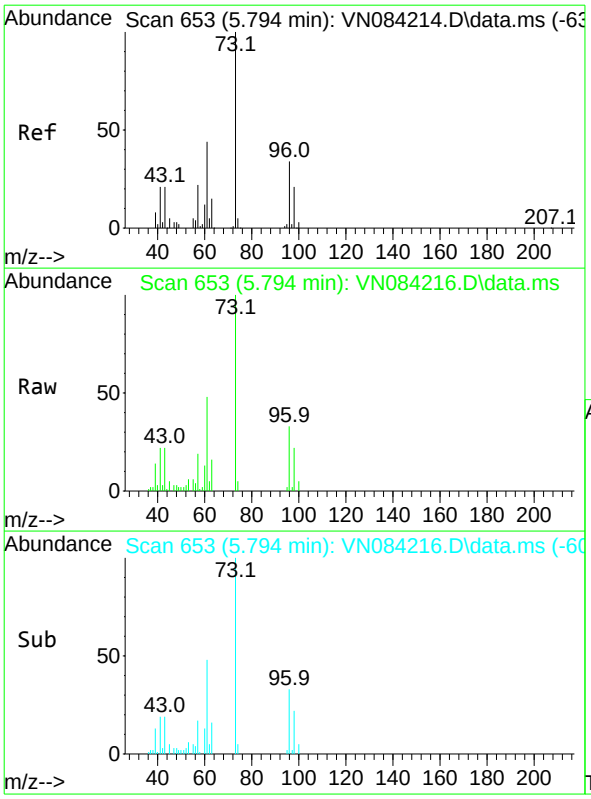


#18
Methyl Acetate
Concen: 9.959 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 24366

Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.2	28.8

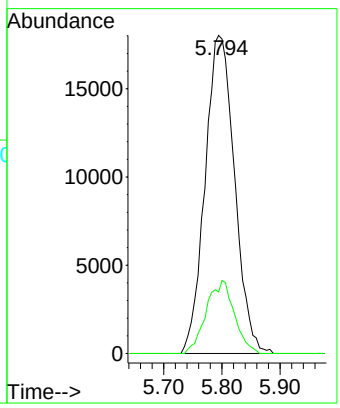




#19
Methyl tert-butyl Ether
Concen: 9.486 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 73 Resp: 63531

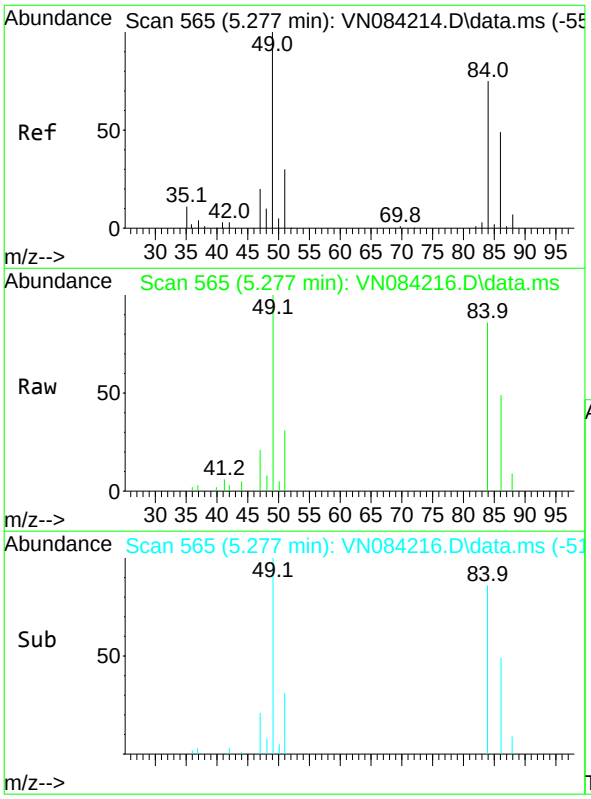
Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

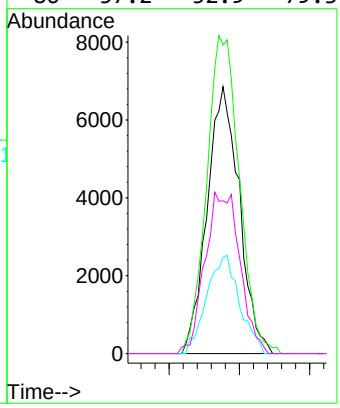
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

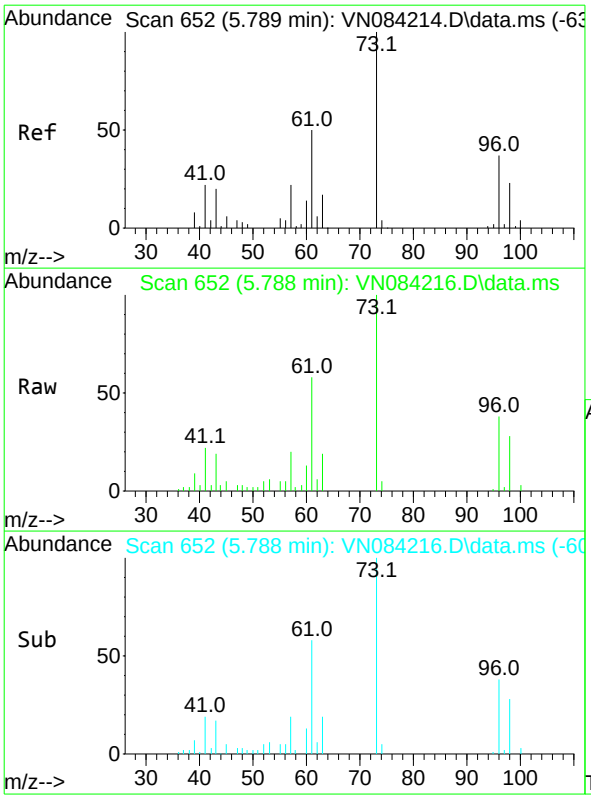


#20
Methylene Chloride
Concen: 9.554 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

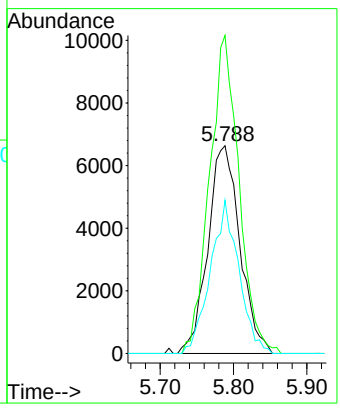




#21
trans-1,2-Dichloroethene
Concen: 9.672 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 20107

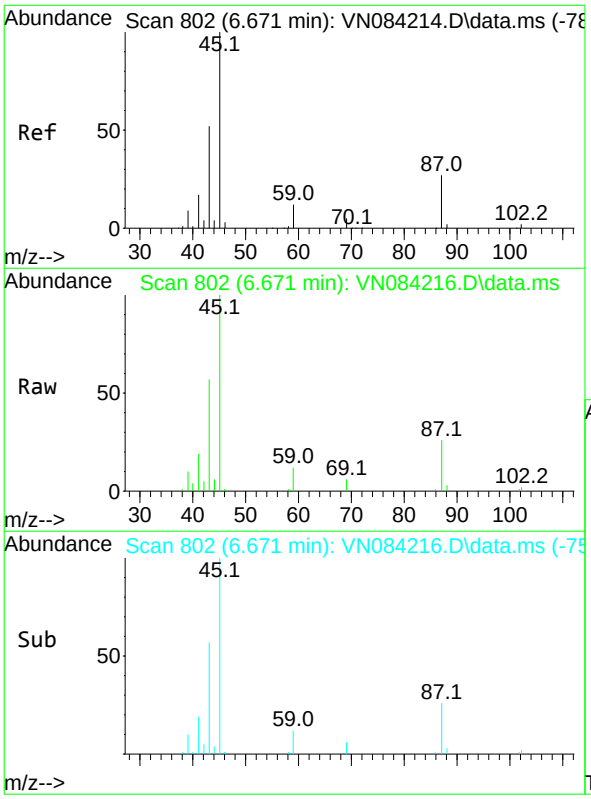
Ion	Ratio	Lower	Upper
96	100		
61	153.1	108.4	162.6
98	73.7	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

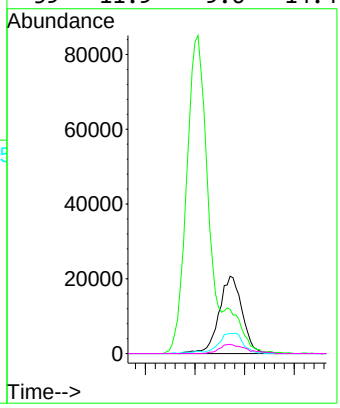
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

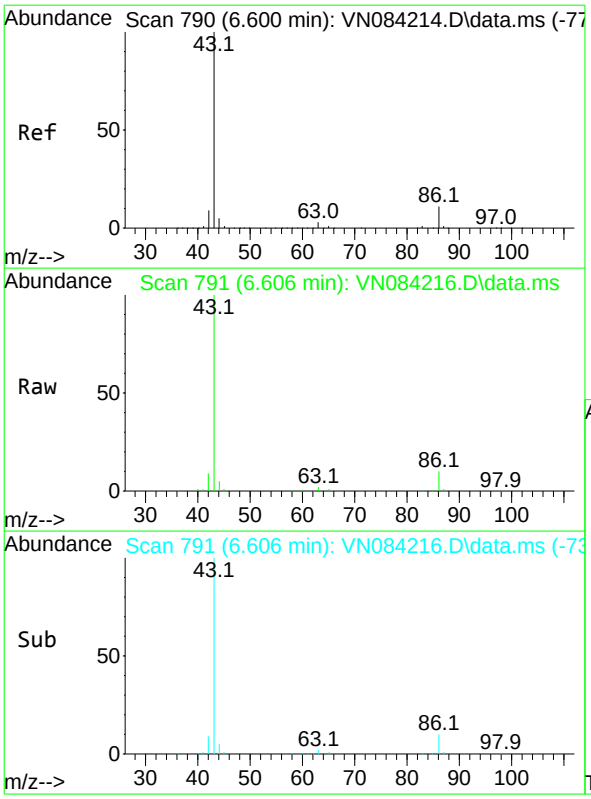


#22
Diisopropyl ether
Concen: 9.393 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

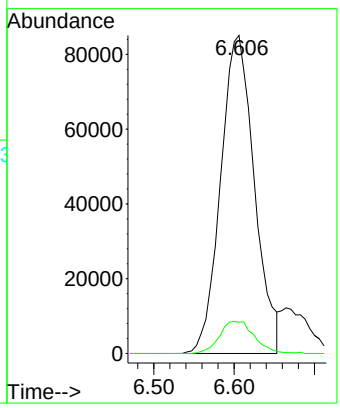




#23
Vinyl Acetate
Concen: 46.769 ug/l
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 248594

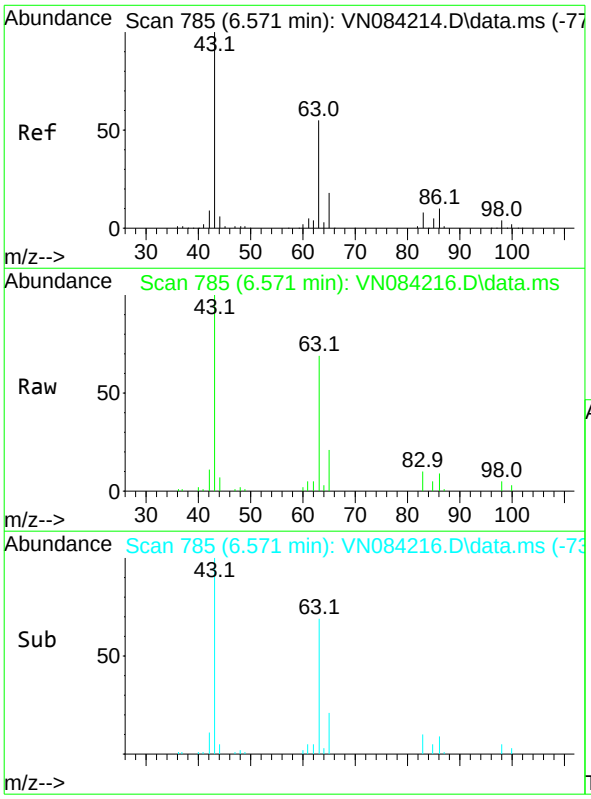
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

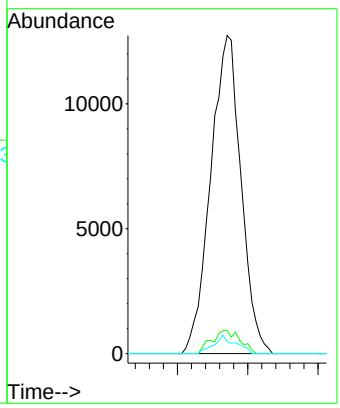
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

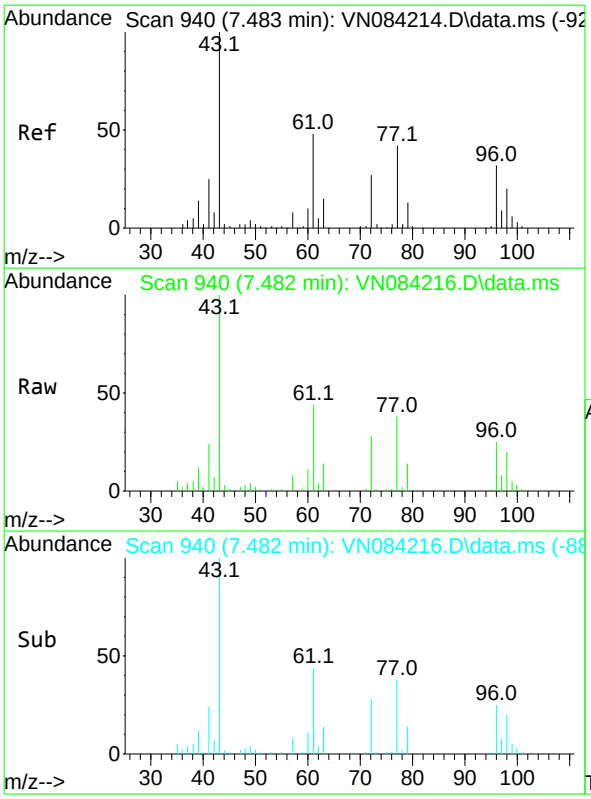


#24
1,1-Dichloroethane
Concen: 9.586 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

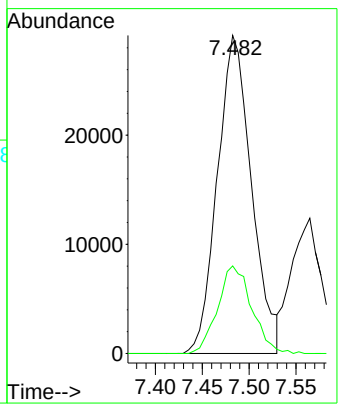




#25
2-Butanone
Concen: 48.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 73877

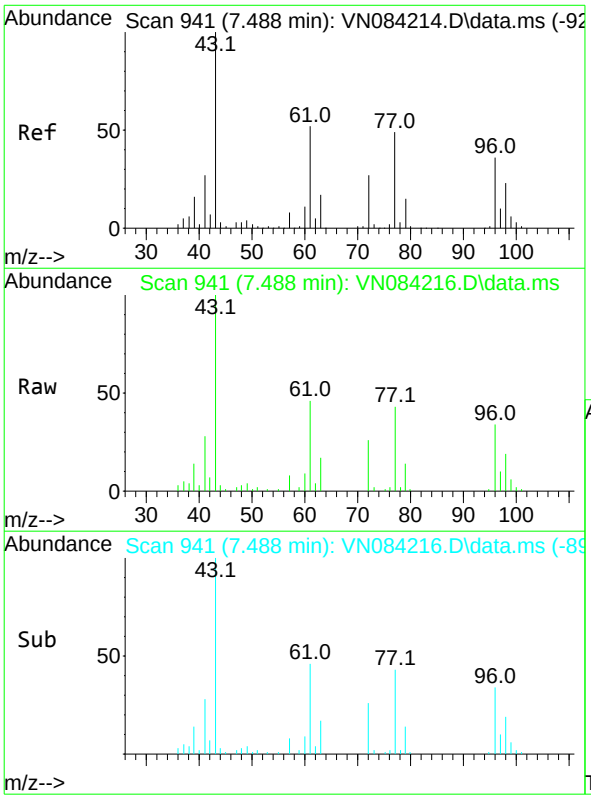
Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

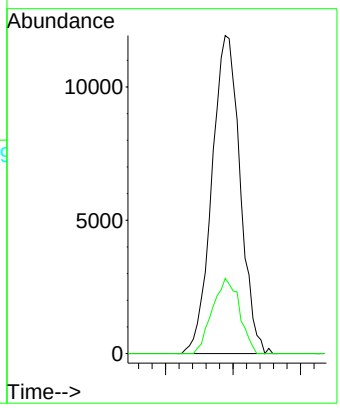
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

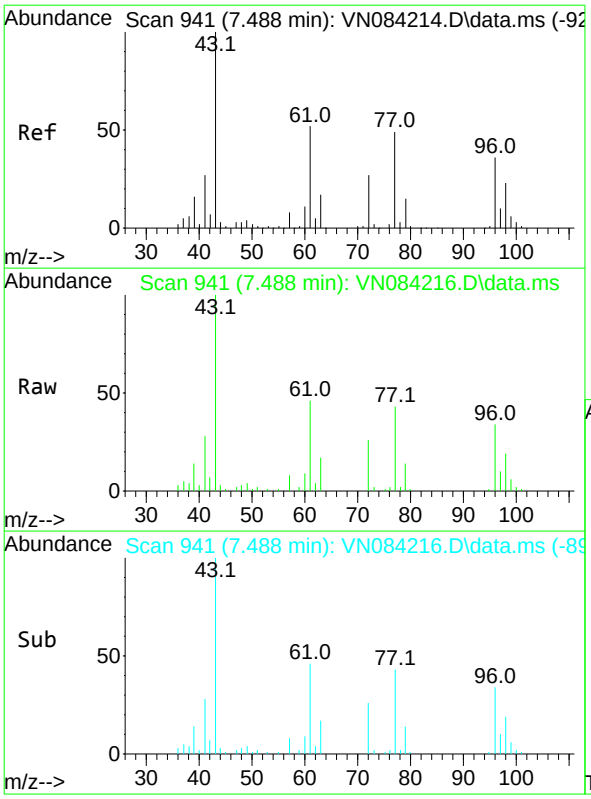


#26
2,2-Dichloropropane
Concen: 9.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 77 Resp: 34655

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3

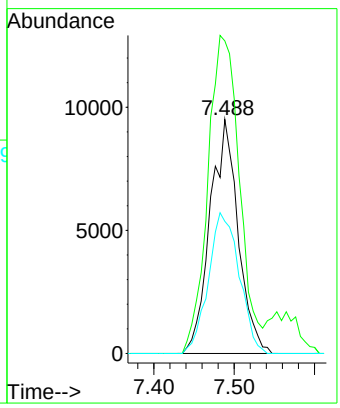




#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 96 Resp: 23095

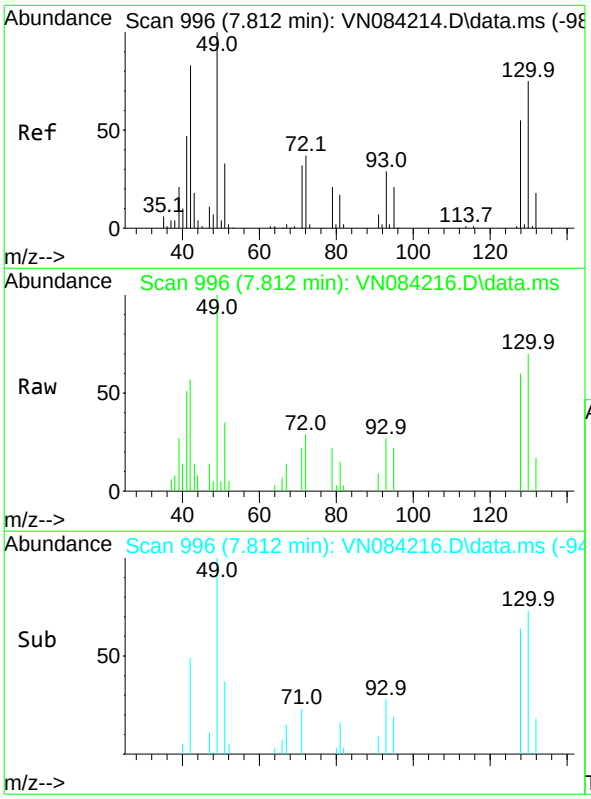
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	301.8
98	66.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

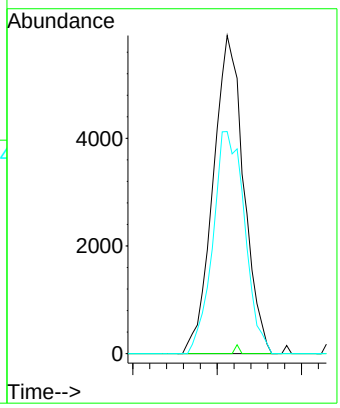
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

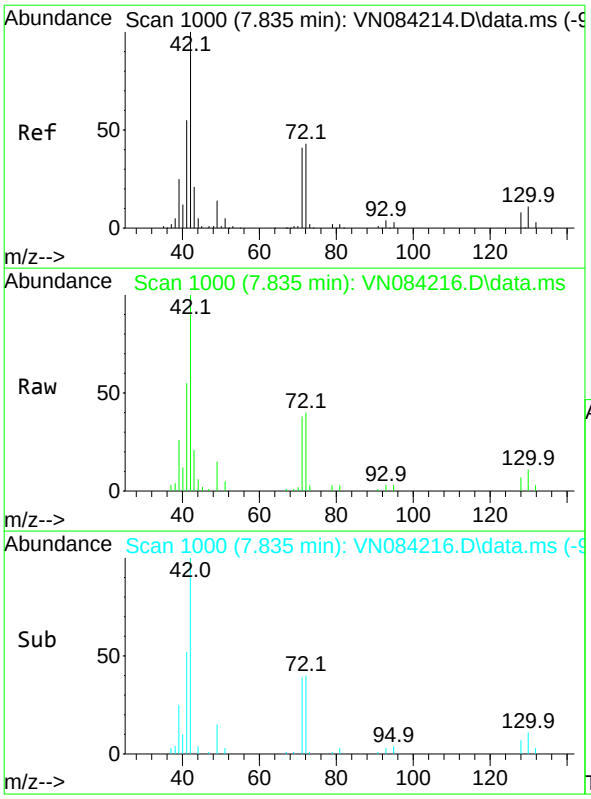


#28
Bromochloromethane
Concen: 8.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

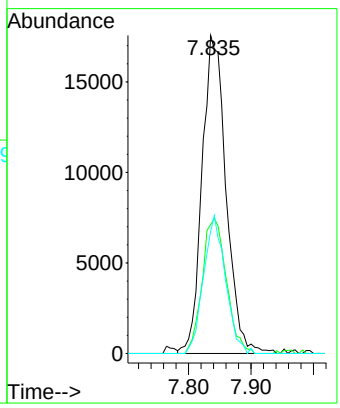




#29
Tetrahydrofuran
Concen: 49.725 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 42 Resp: 46917

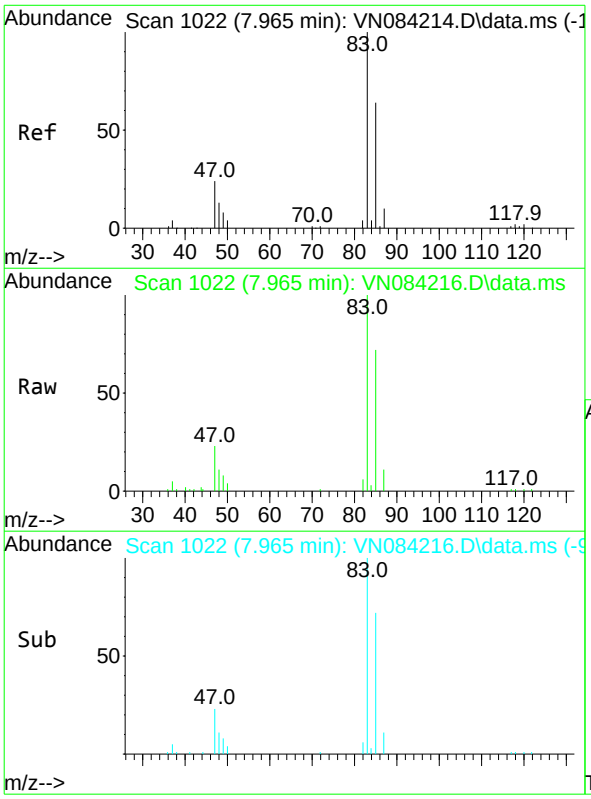
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	51.8
71	39.5	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

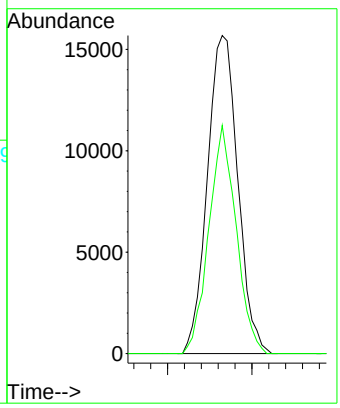
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

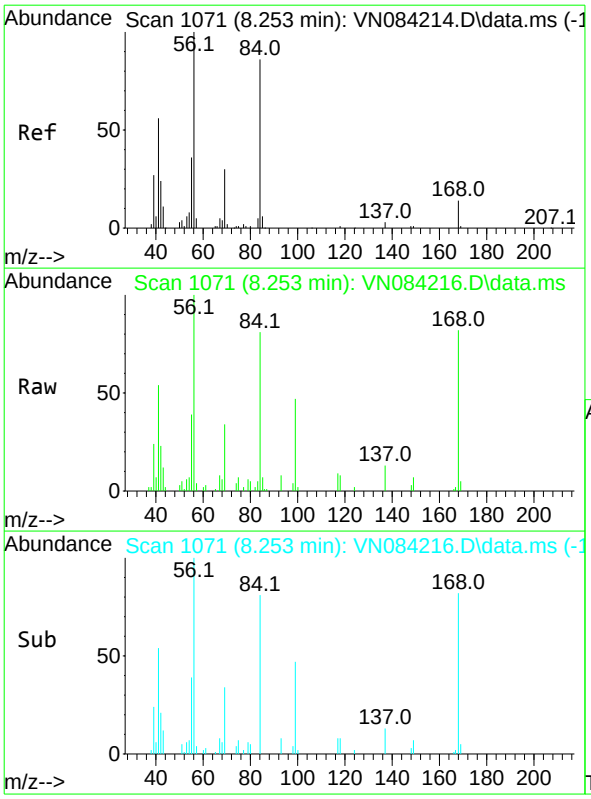


#30
Chloroform
Concen: 9.504 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 39355

Ion	Ratio	Lower	Upper
83	100		
85	71.7	51.0	76.4

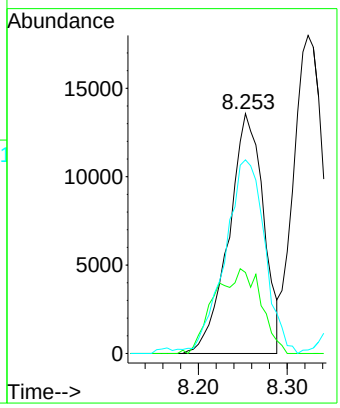




#31
Cyclohexane
Concen: 9.538 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 56 Resp: 36916

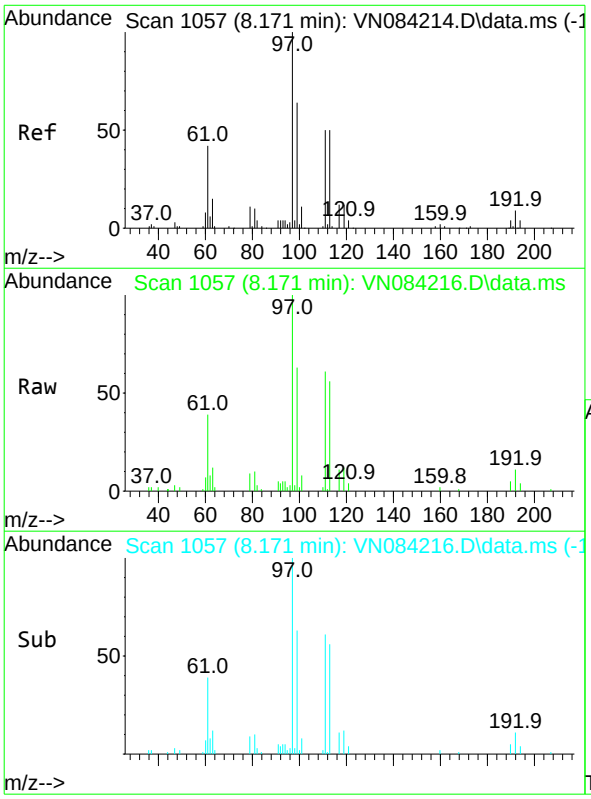
Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.6
84	79.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

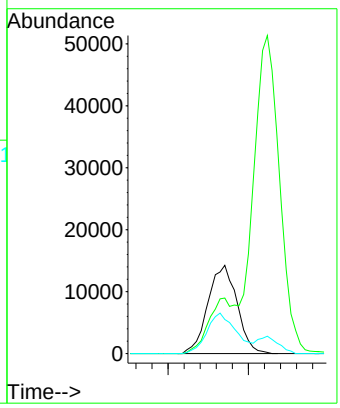
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

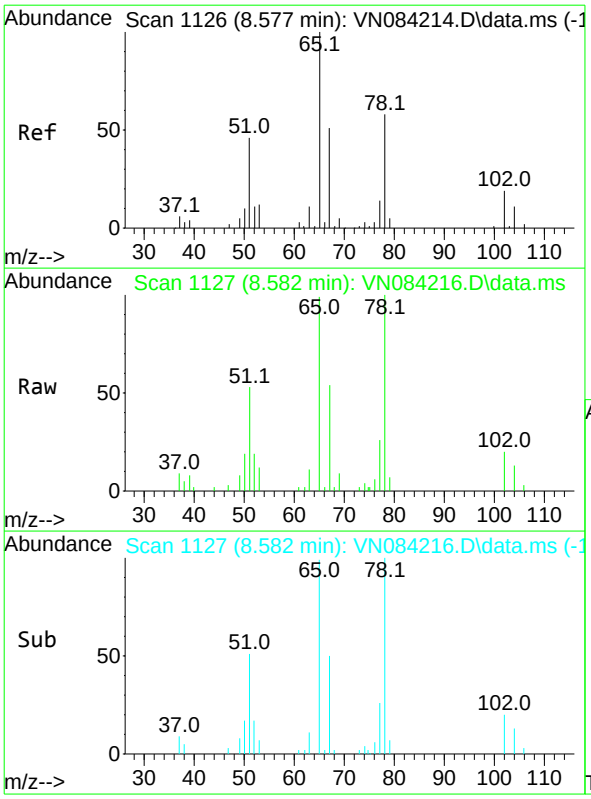


#32
1,1,1-Trichloroethane
Concen: 9.645 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

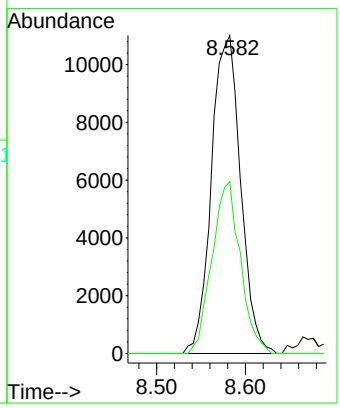




#33
1,2-Dichloroethane-d4
Concen: 9.599 ug/l
RT: 8.582 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 65 Resp: 25083

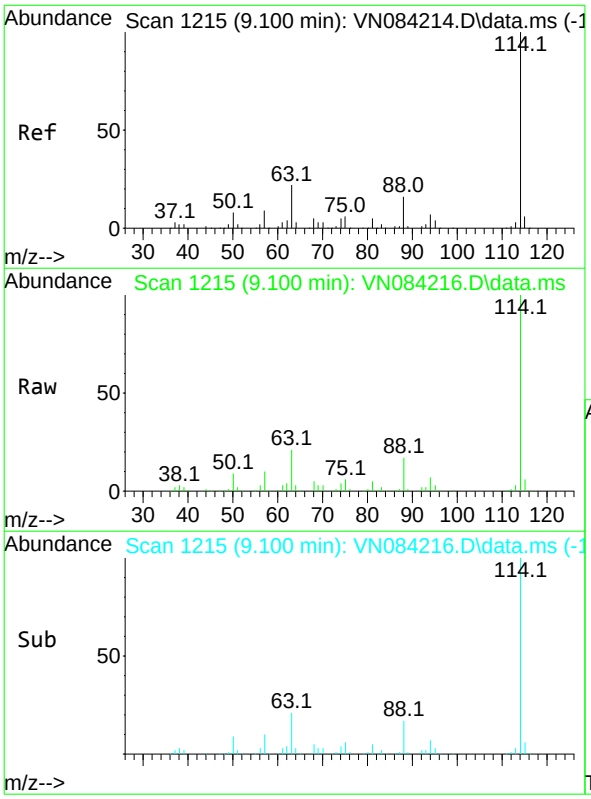
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

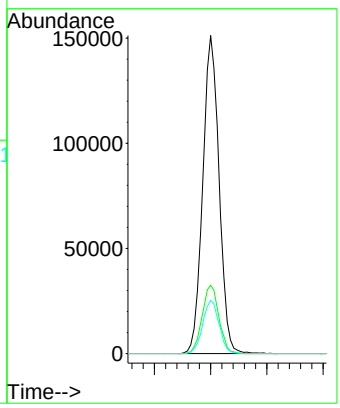
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

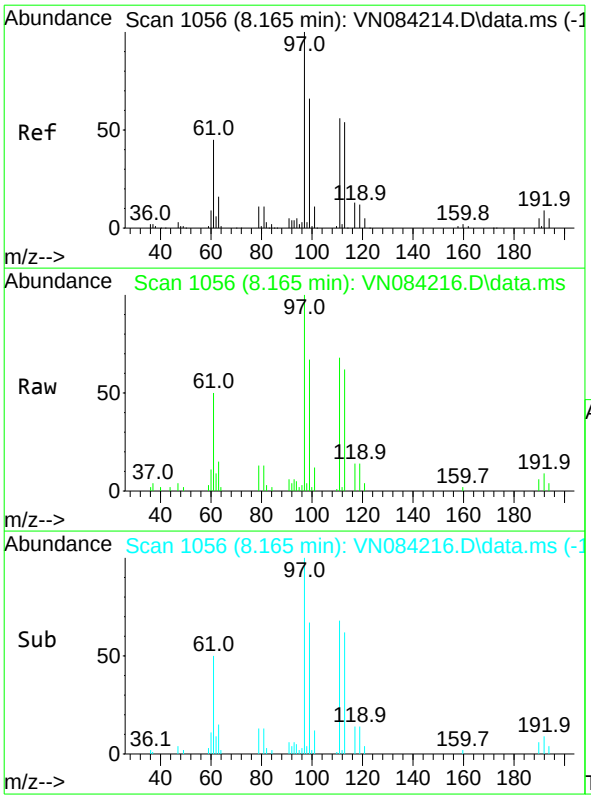


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

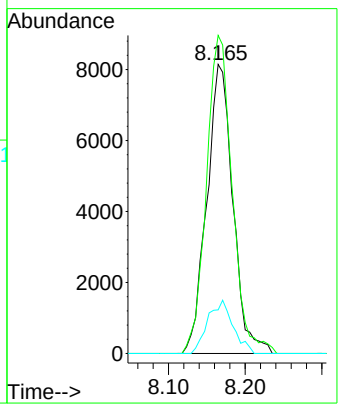




#35
Dibromofluoromethane
Concen: 9.594 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:113 Resp: 19289

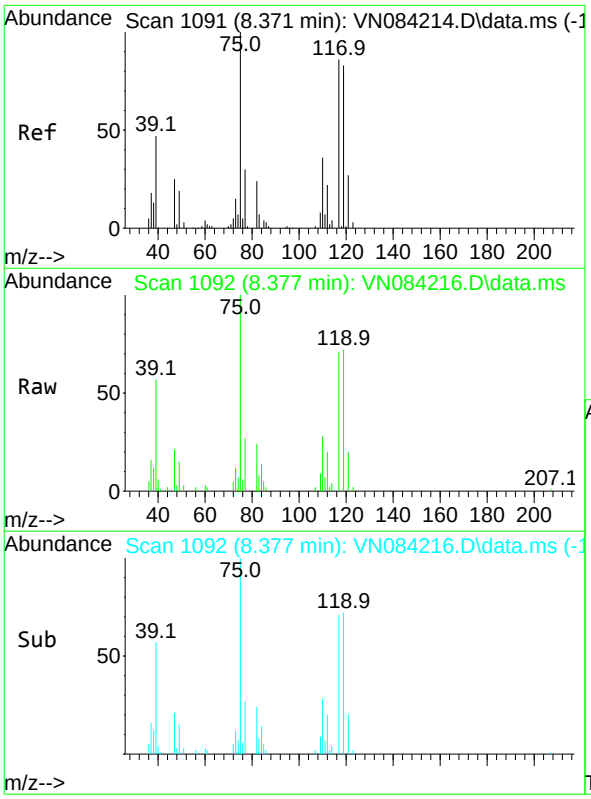
Ion	Ratio	Lower	Upper
113	100		
111	108.7	83.3	124.9
192	17.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

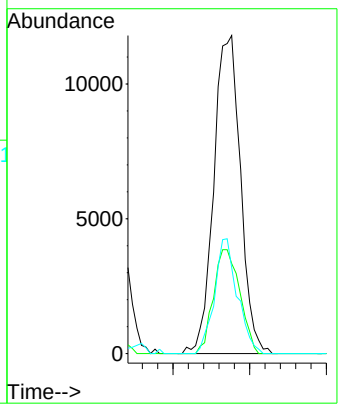
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

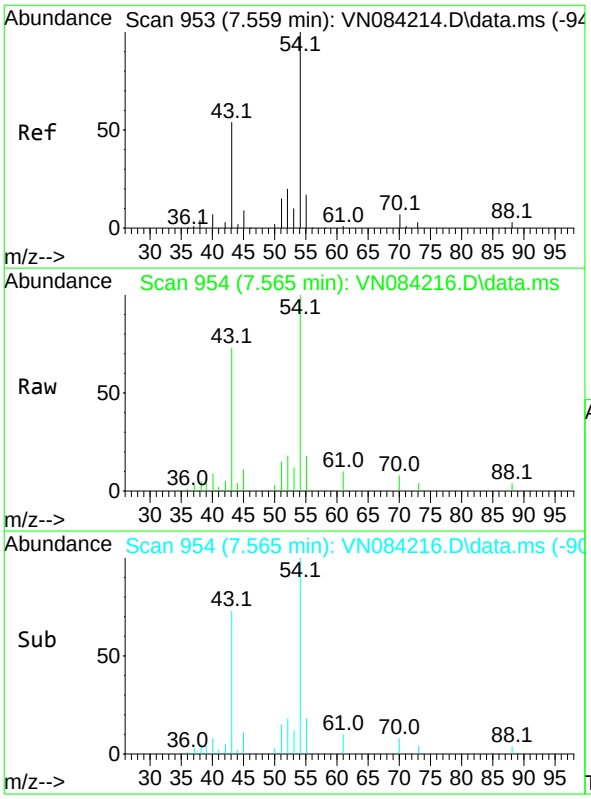


#36
1,1-Dichloropropene
Concen: 9.767 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

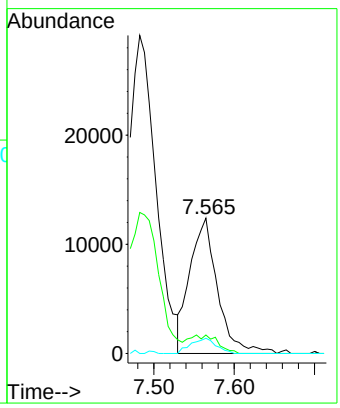




#37
Ethyl Acetate
Concen: 9.931 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 29754

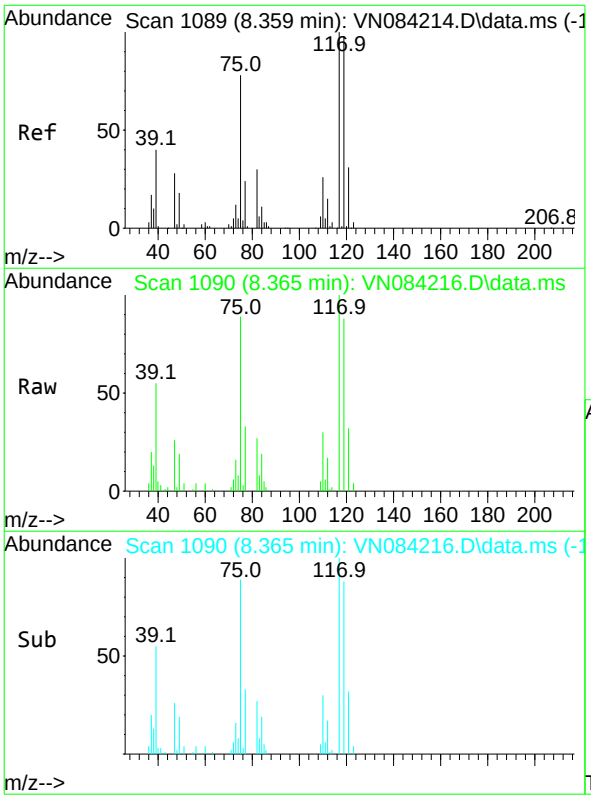
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	10.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

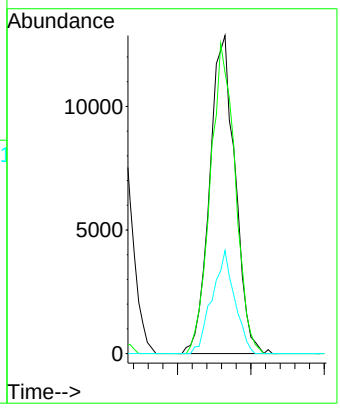
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

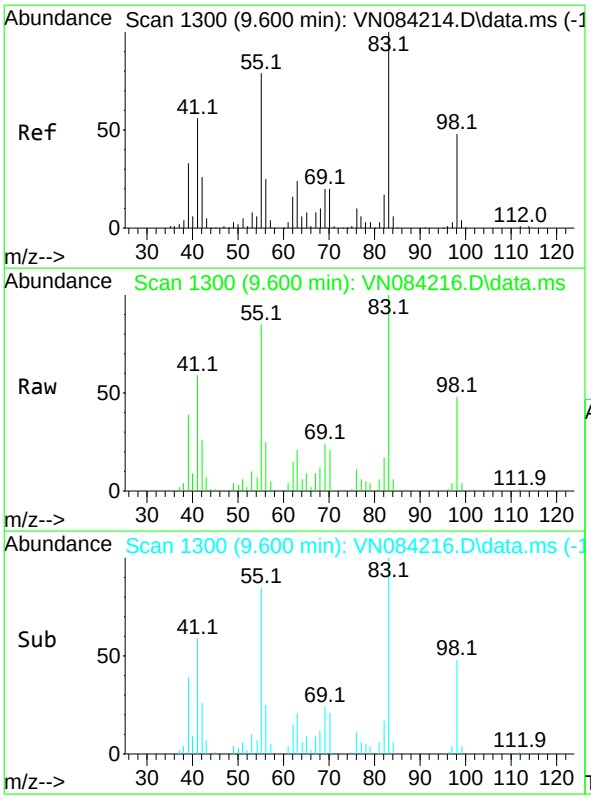


#38
Carbon Tetrachloride
Concen: 9.665 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

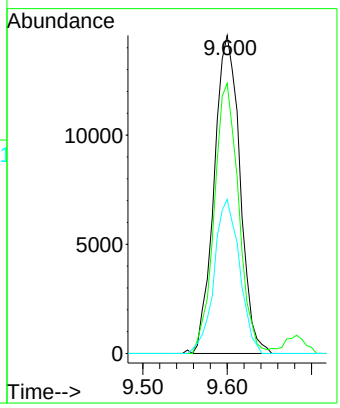




#39
Methylcyclohexane
Concen: 9.516 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 30932

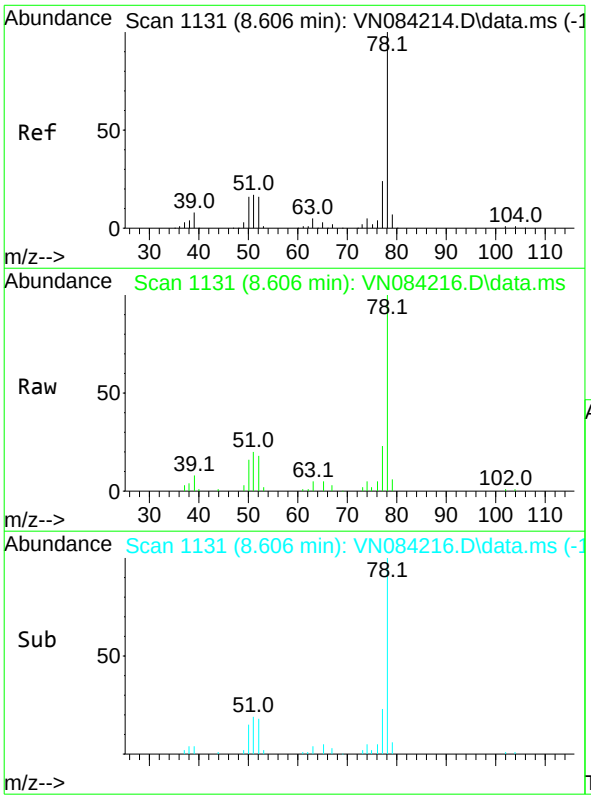
Ion	Ratio	Lower	Upper
83	100		
55	84.9	62.8	94.2
98	48.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

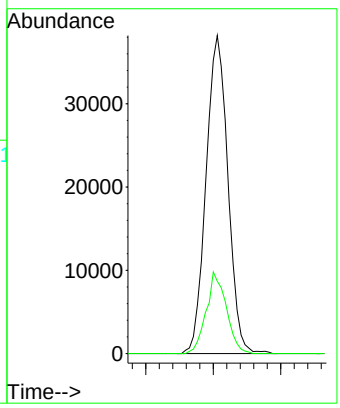
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

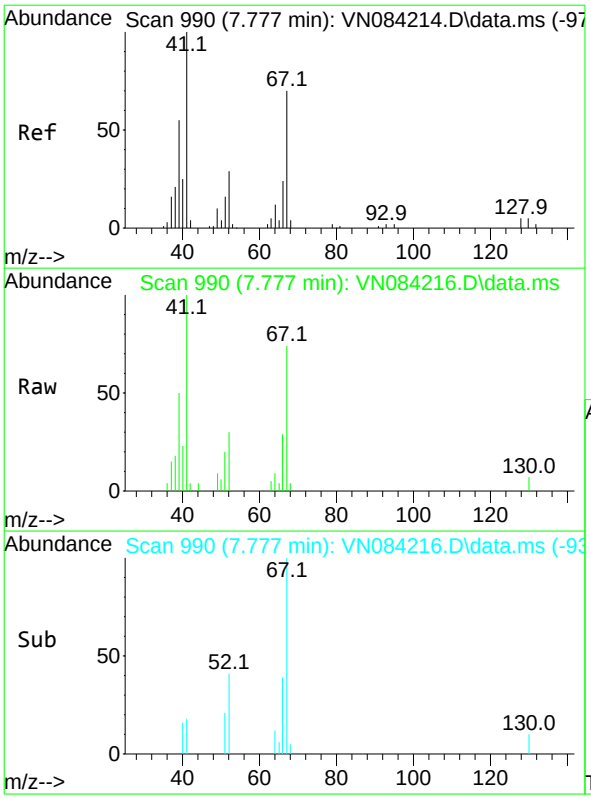


#40
Benzene
Concen: 9.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 78 Resp: 86029

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7

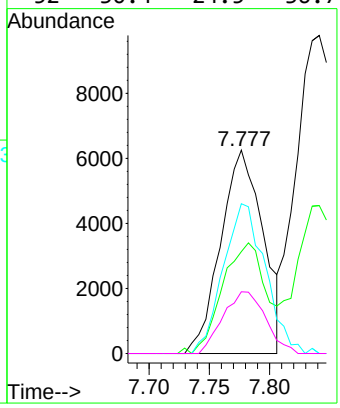




#41
Methacrylonitrile
Concen: 9.426 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 41 Resp: 15332

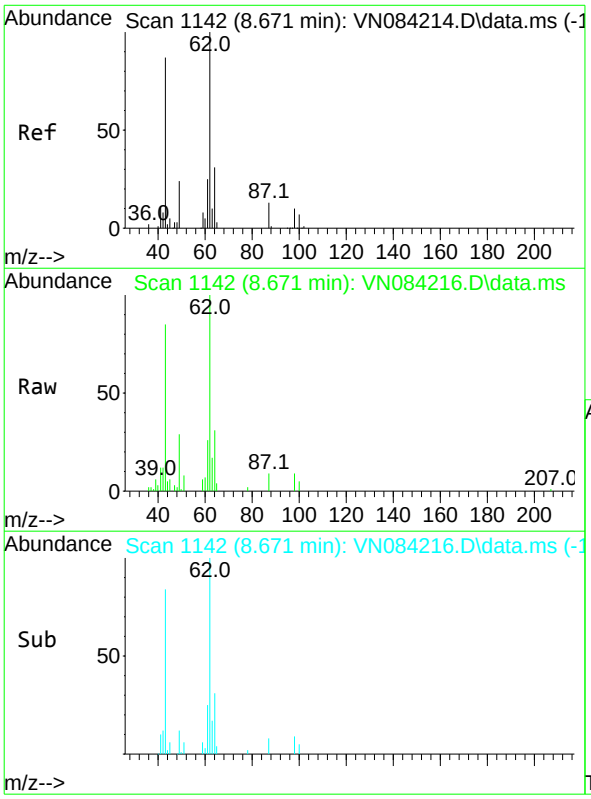
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.0	56.1	84.1
52	30.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

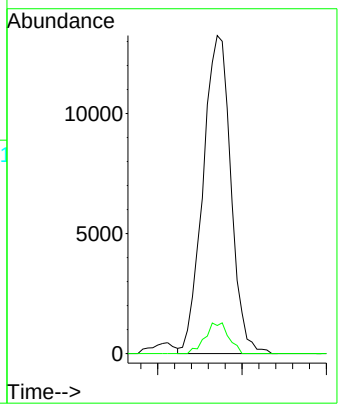
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

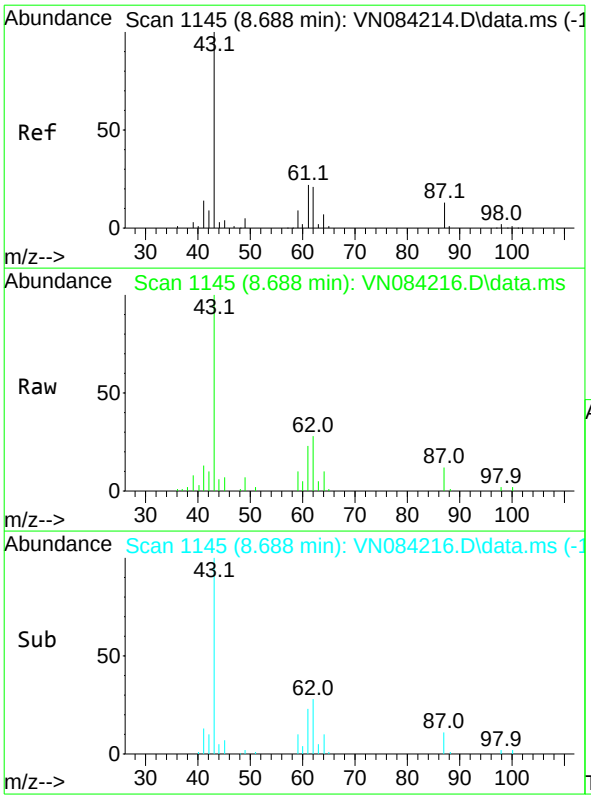


#42
1,2-Dichloroethane
Concen: 9.855 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 30402

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2

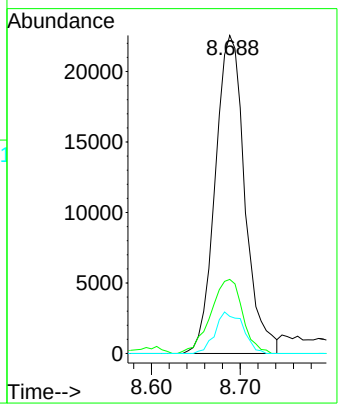




#43
Isopropyl Acetate
Concen: 8.906 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52246

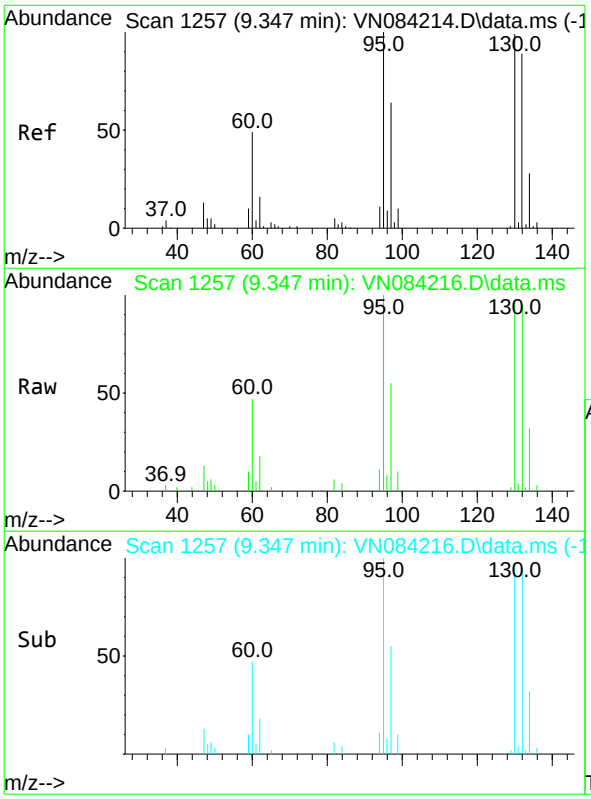
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.4	30.6
87	12.3	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

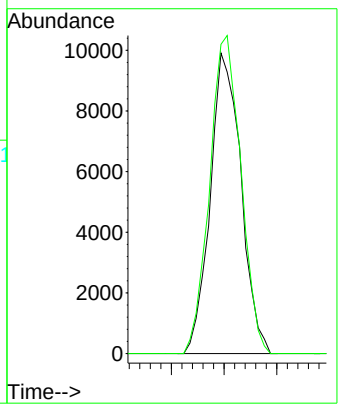
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

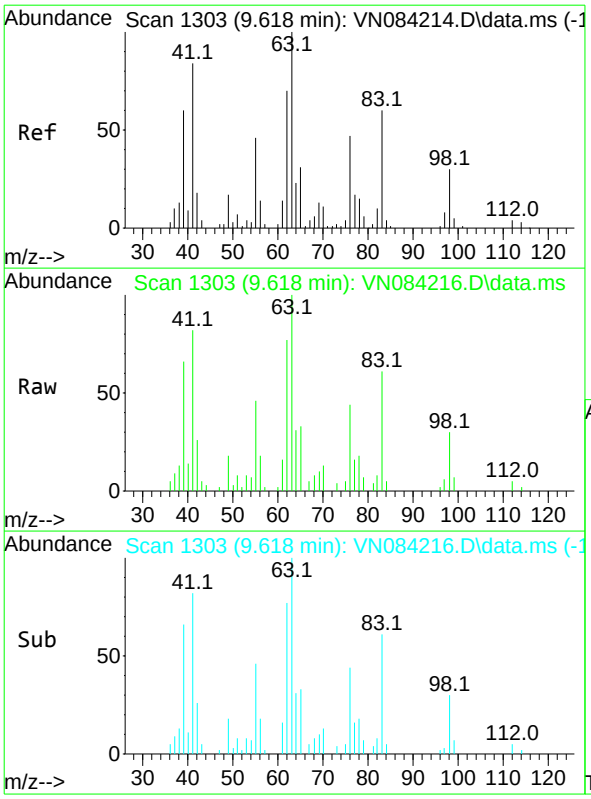


#44
Trichloroethene
Concen: 9.454 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:130 Resp: 20092

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.0

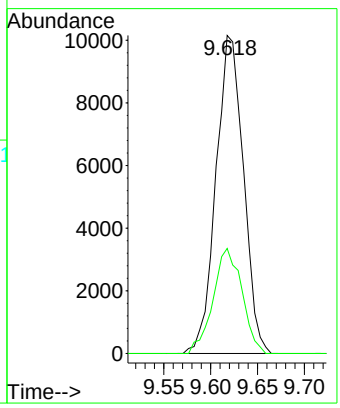




#45
1,2-Dichloropropane
Concen: 9.618 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 20703

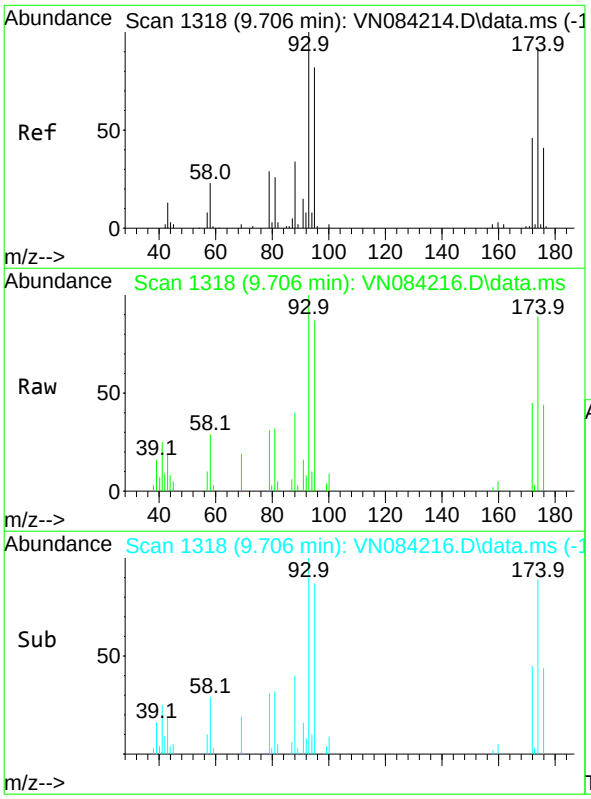
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

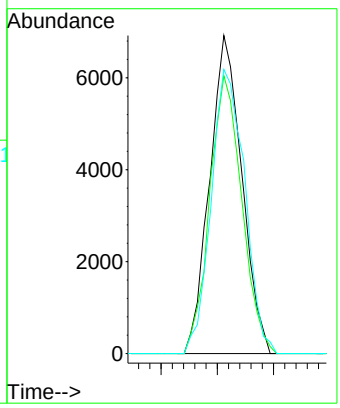
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

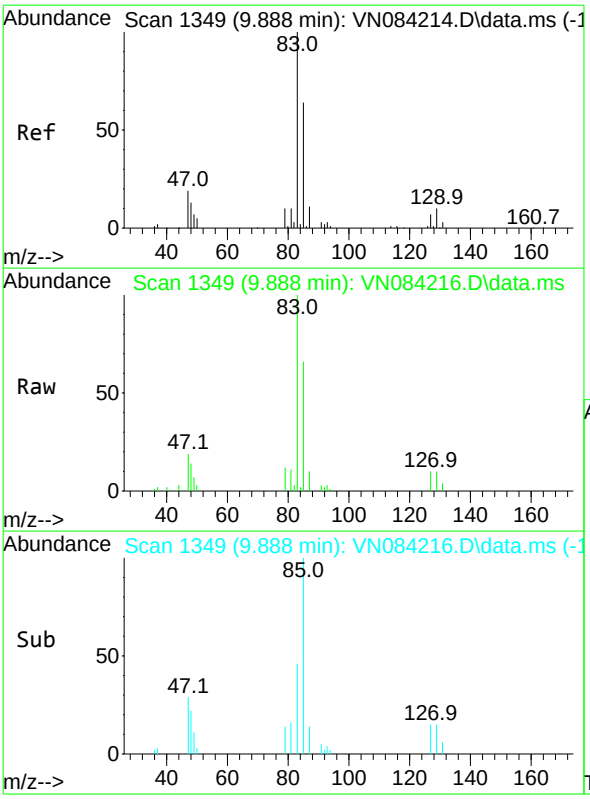


#46
Dibromomethane
Concen: 9.479 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

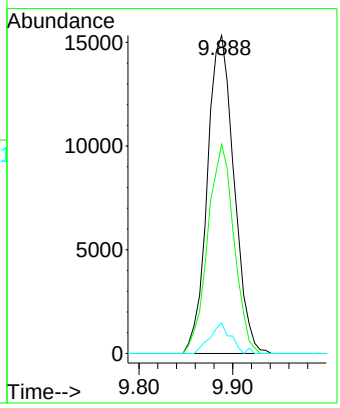




#47
Bromodichloromethane
Concen: 9.385 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 30289

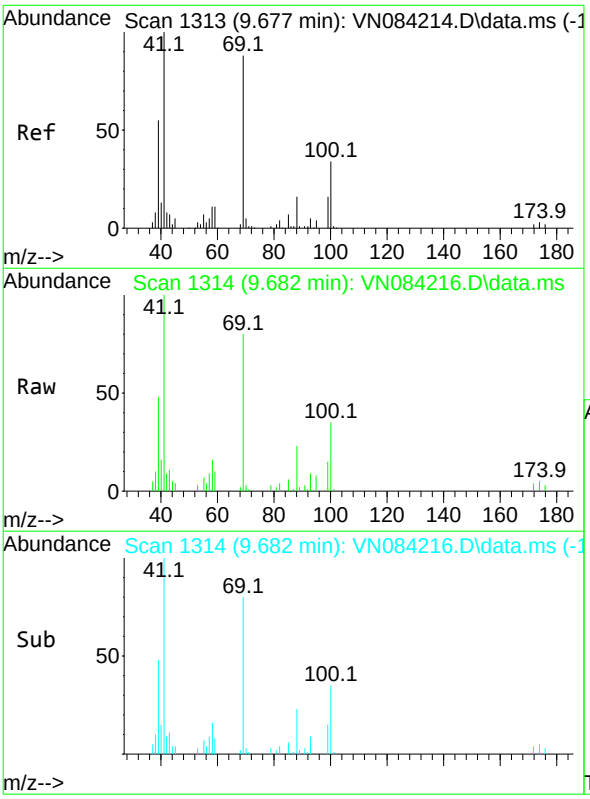
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3
127	9.6	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

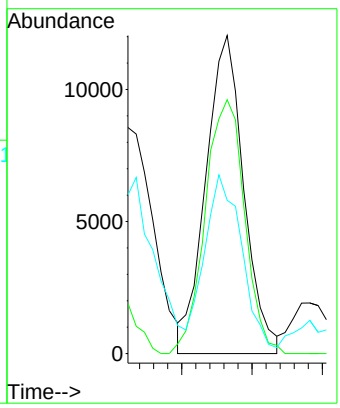
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

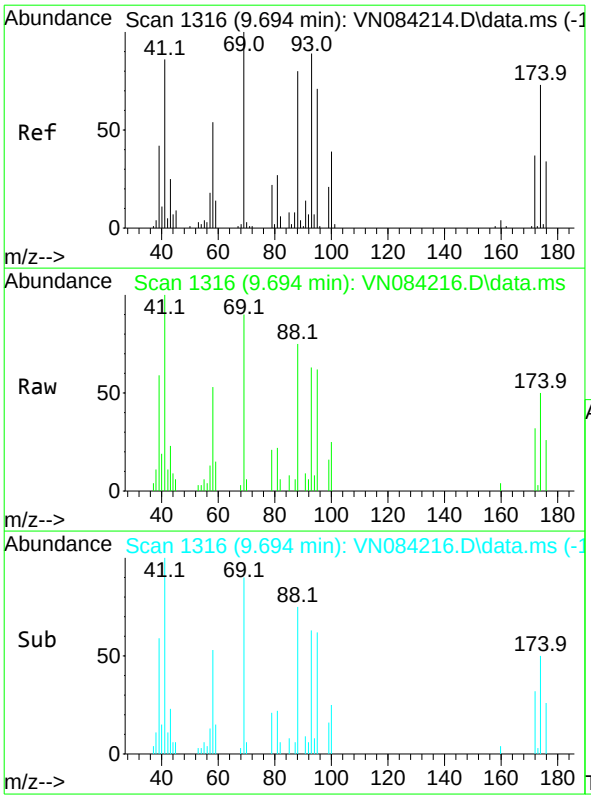


#48
Methyl methacrylate
Concen: 9.679 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

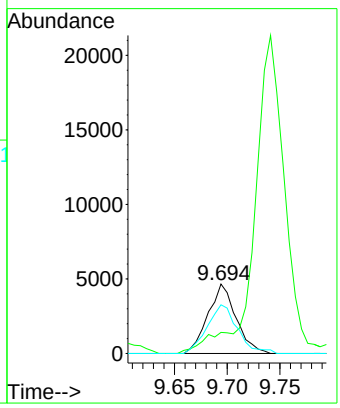
Tgt Ion: 88 Resp: 8627

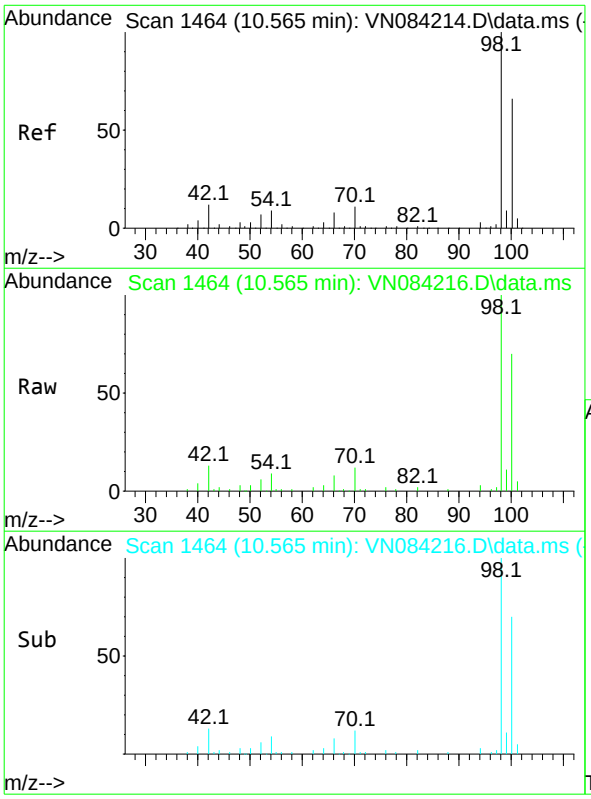
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	76.0	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

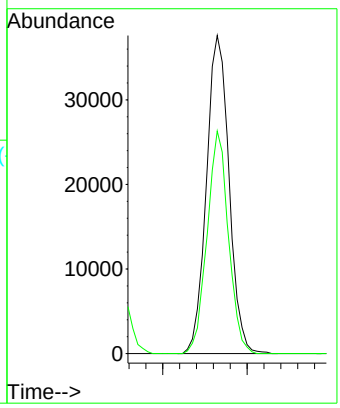


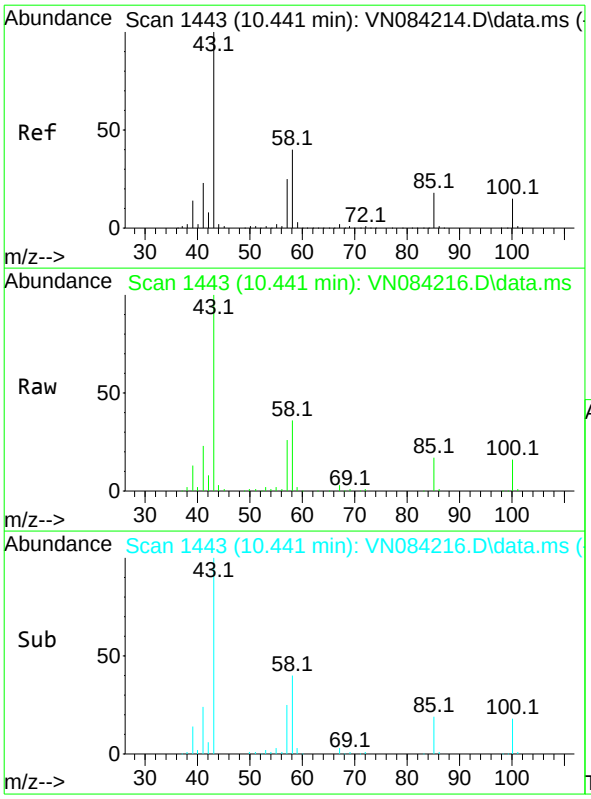


#50
Toluene-d8
Concen: 9.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 98 Resp: 70000

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

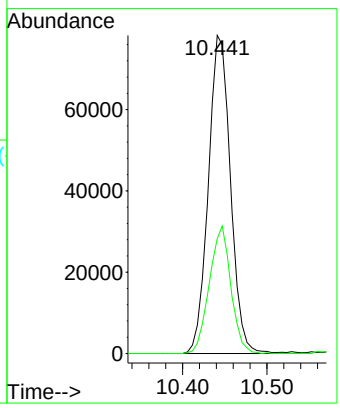




#51
4-Methyl-2-Pentanone
Concen: 50.007 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 142632

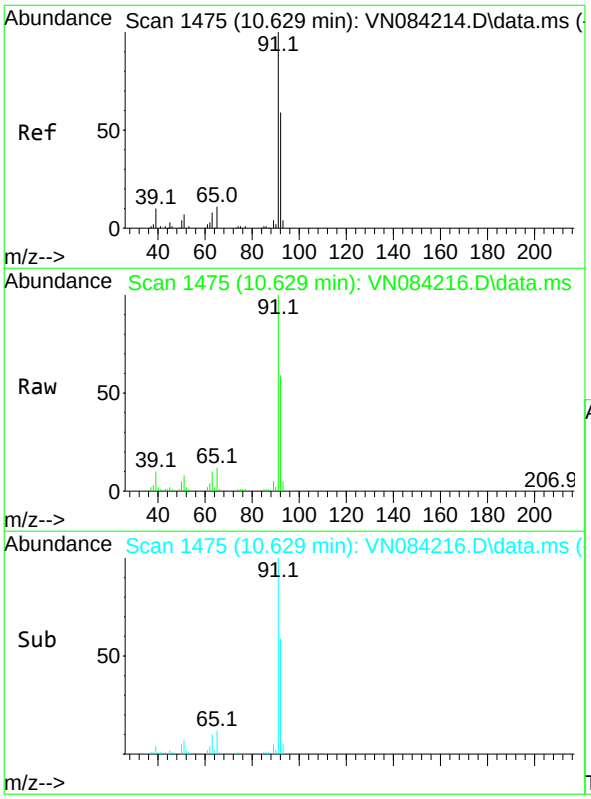
Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

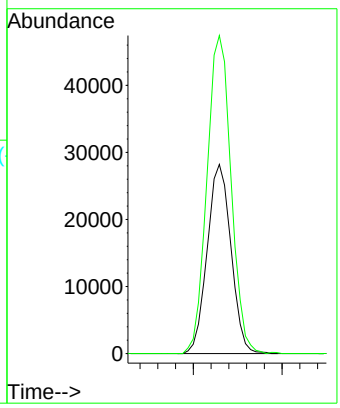
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

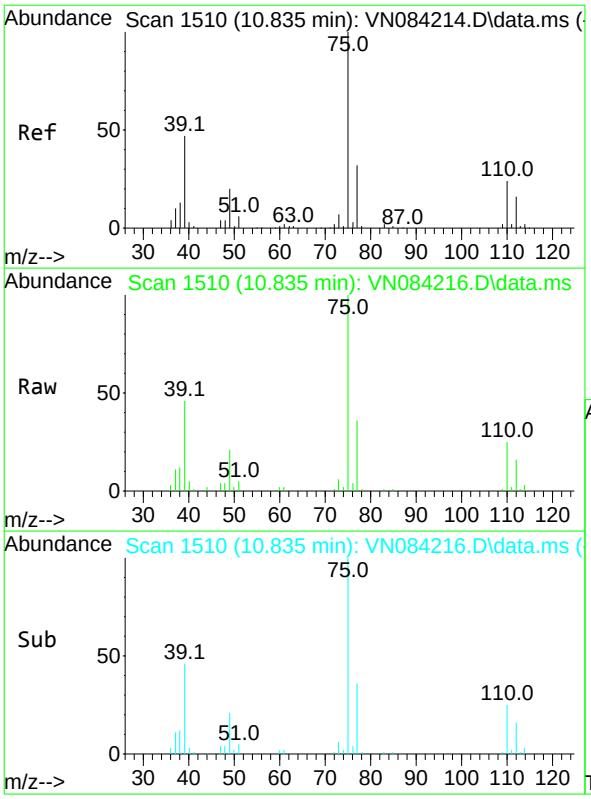


#52
Toluene
Concen: 9.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 92 Resp: 52537

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.3	205.9

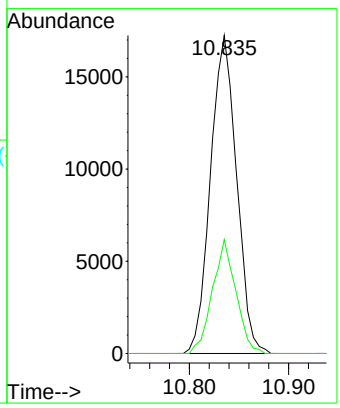




#53
t-1,3-Dichloropropene
Concen: 9.592 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 31555

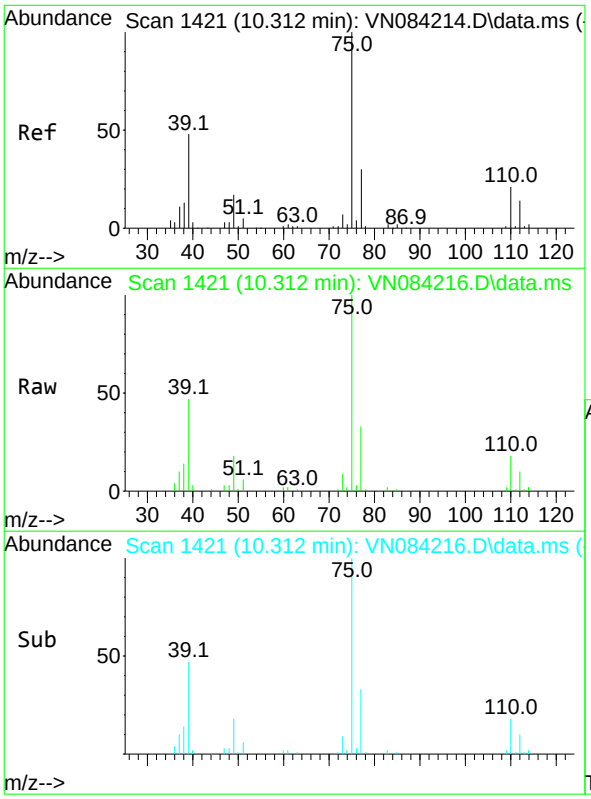
Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

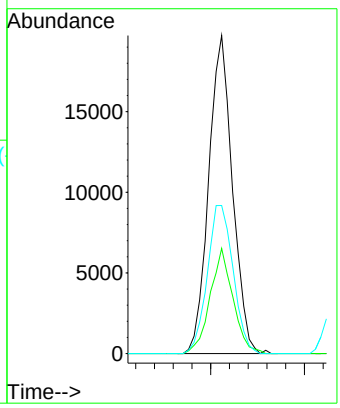
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

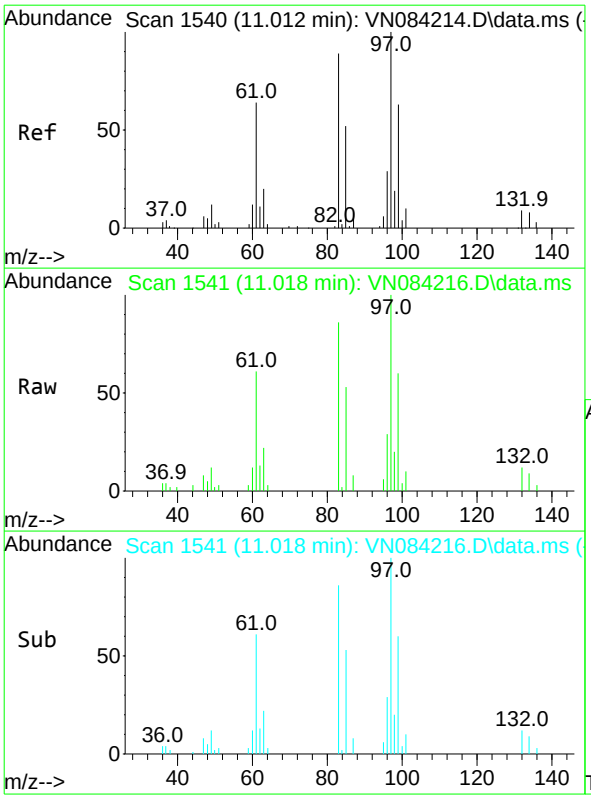


#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

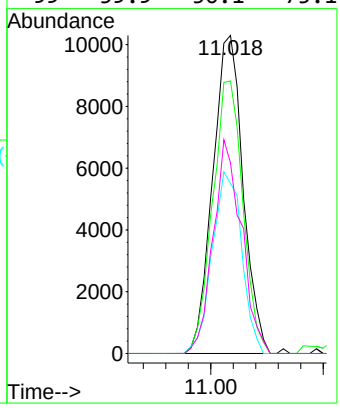




#55
1,1,2-Trichloroethane
Concen: 9.675 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 97 Resp: 19245

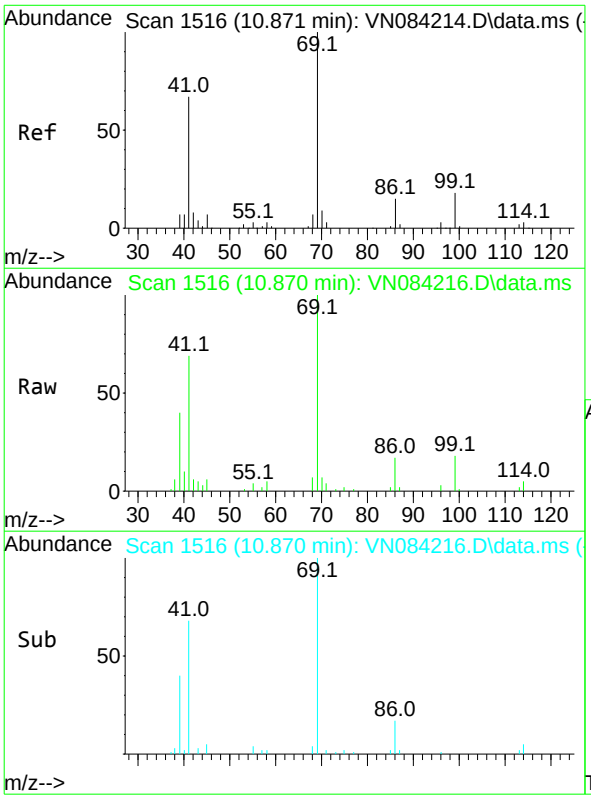
Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.0	106.4
85	53.5	41.7	62.5
99	59.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

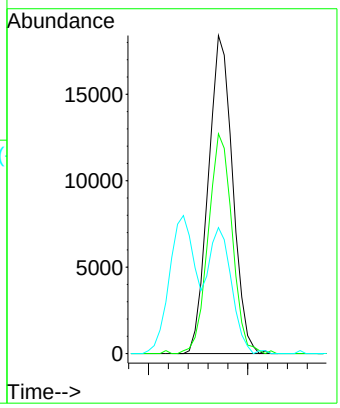
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

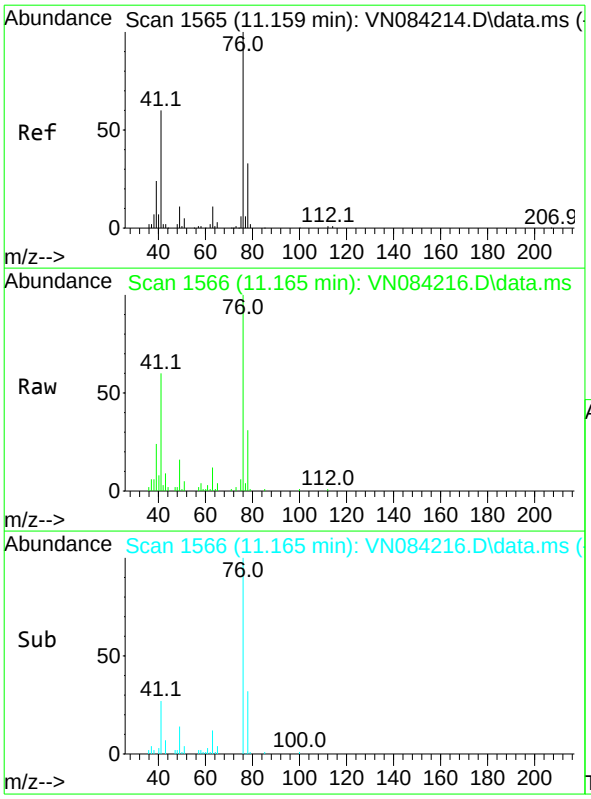


#56
Ethyl methacrylate
Concen: 9.551 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

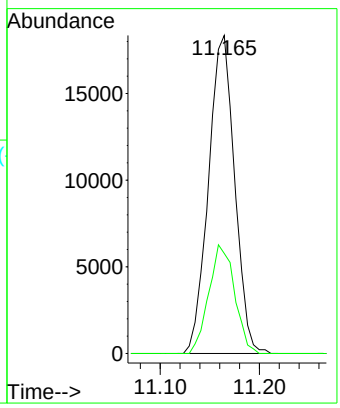




#57
1,3-Dichloropropane
Concen: 9.457 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 76 Resp: 33613

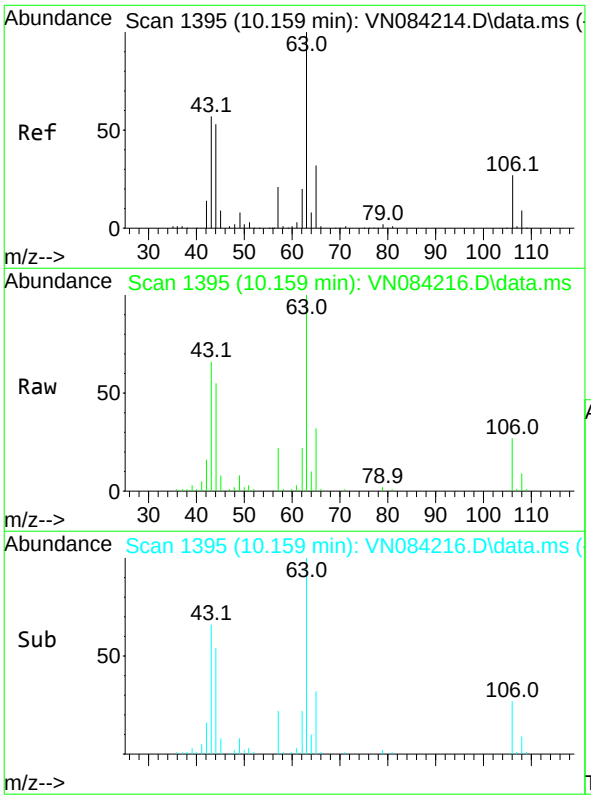
Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

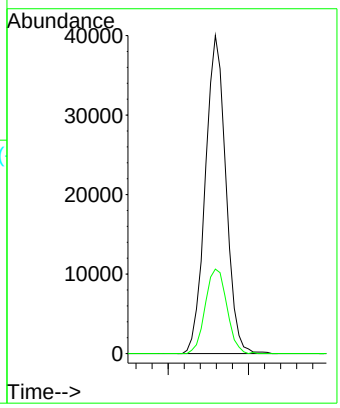
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

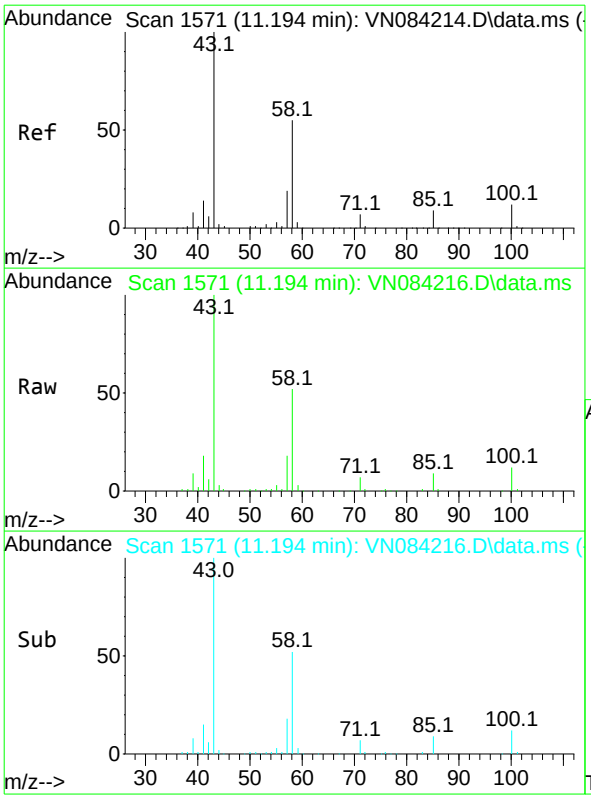


#58
2-Chloroethyl Vinyl ether
Concen: 46.784 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 71035

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6

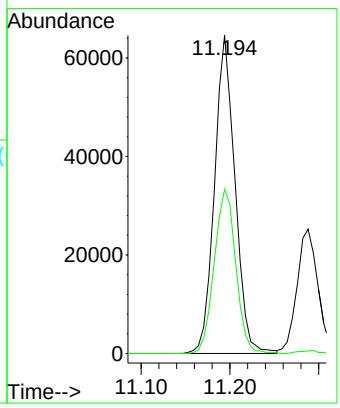




#59
2-Hexanone
Concen: 48.604 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 103615

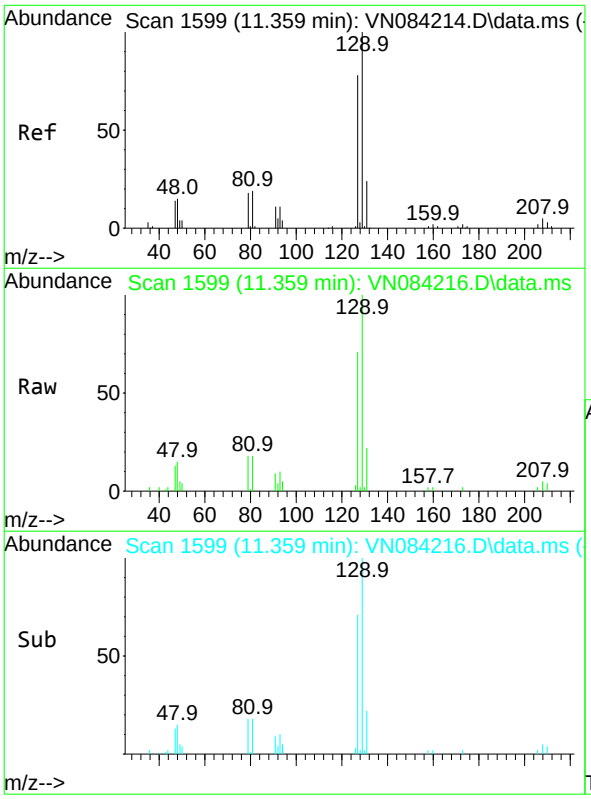
Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

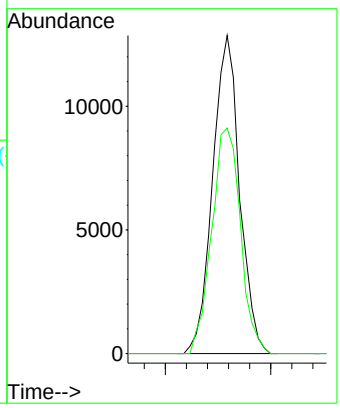
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

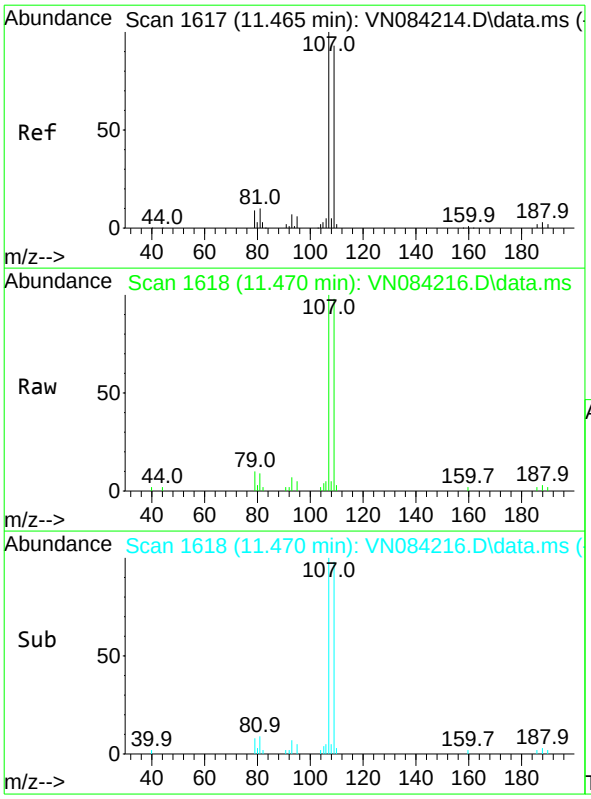


#60
Dibromochloromethane
Concen: 9.715 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:129 Resp: 22833

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9

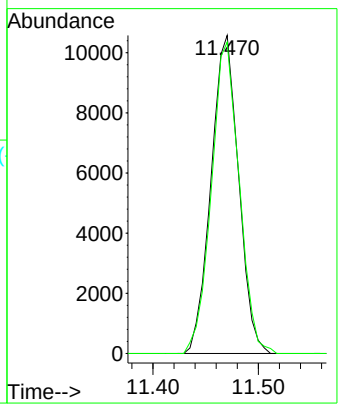




#61
1,2-Dibromoethane
Concen: 9.299 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:107 Resp: 19220

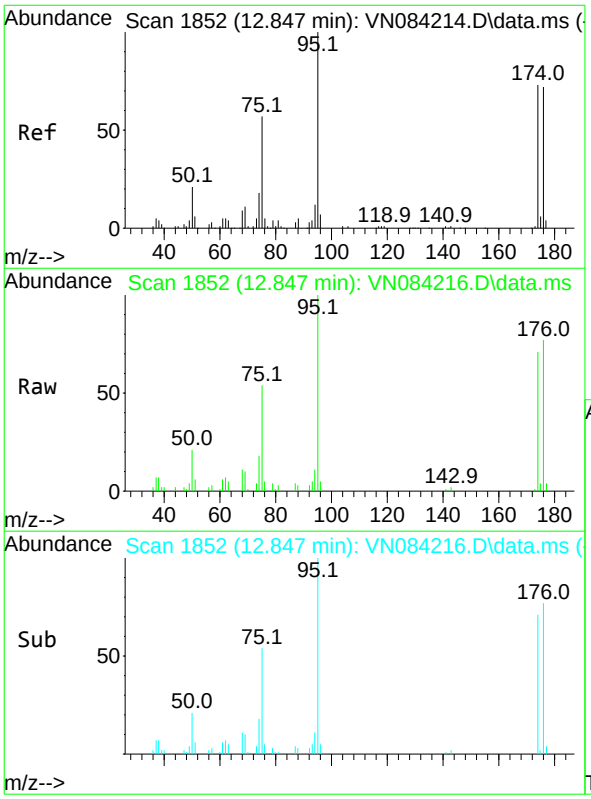
Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

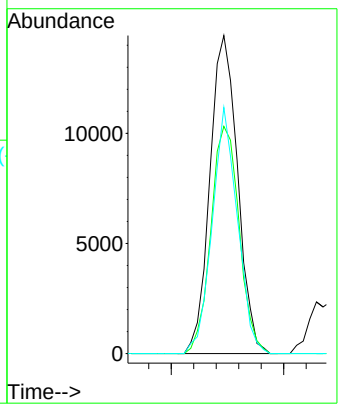
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

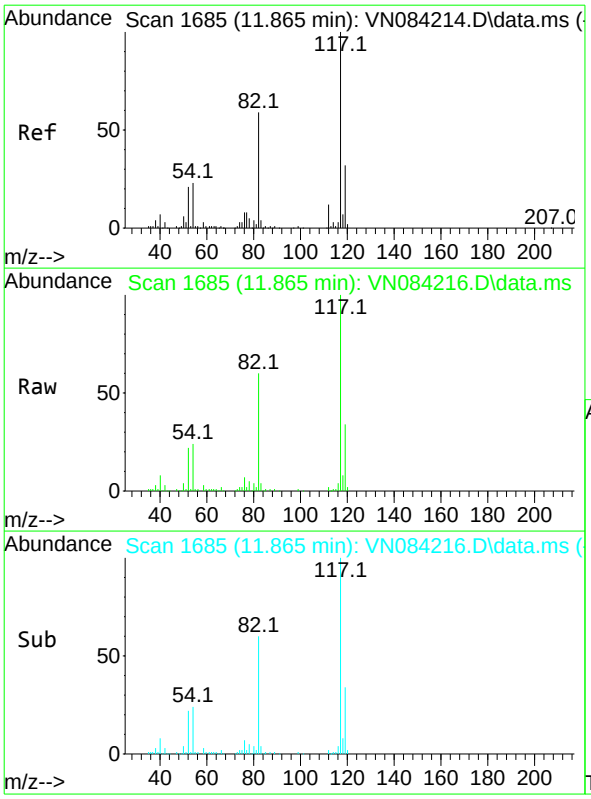


#62
4-Bromofluorobenzene
Concen: 9.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

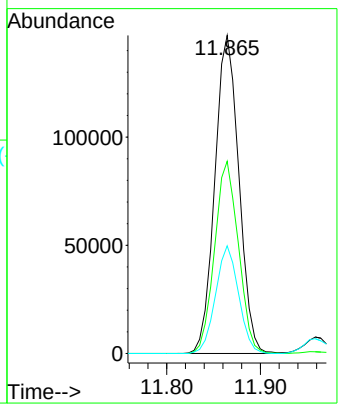




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 262325

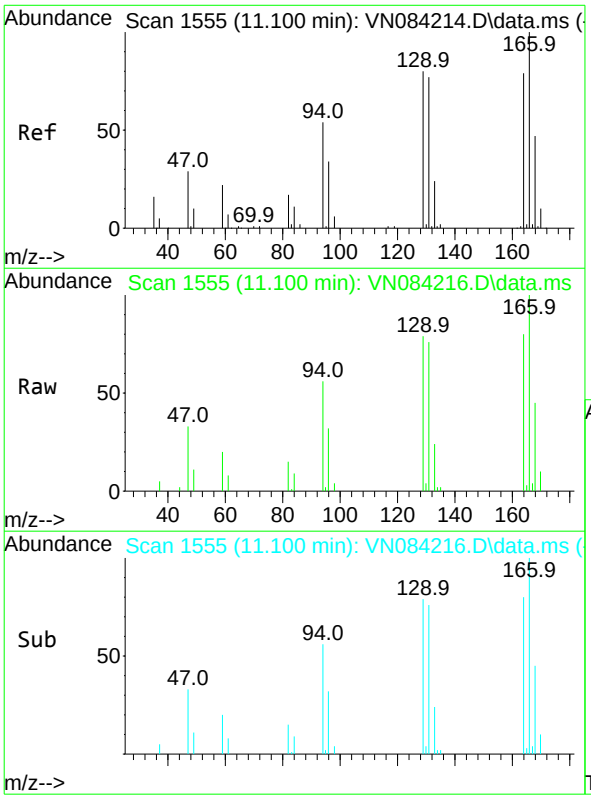
Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	33.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

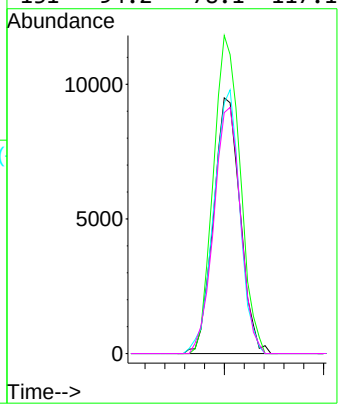
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

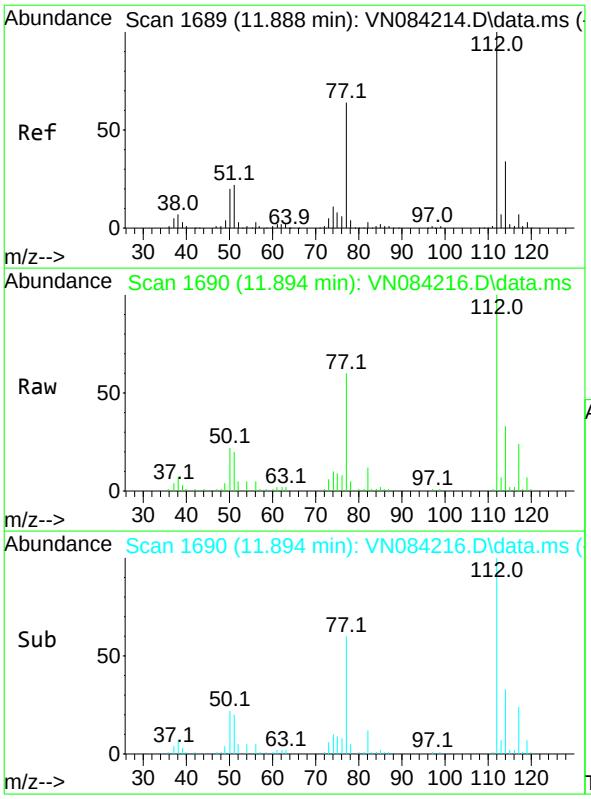


#64
Tetrachloroethene
Concen: 9.711 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

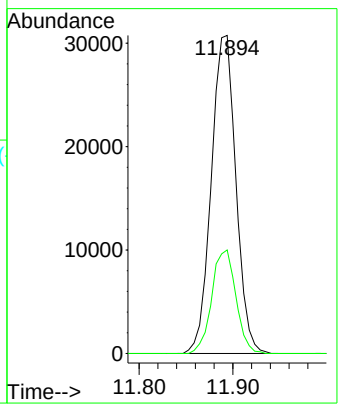




#65
Chlorobenzene
Concen: 9.645 ug/l
RT: 11.894 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:112 Resp: 56099

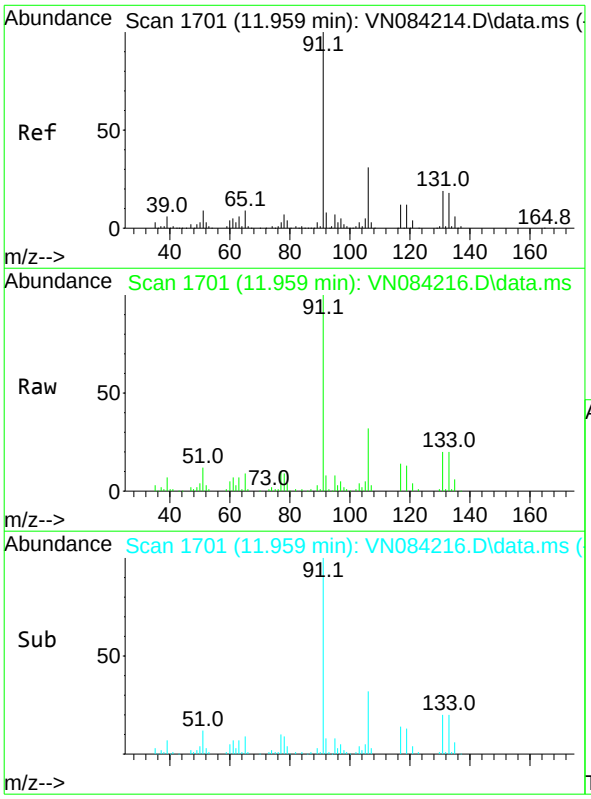
Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

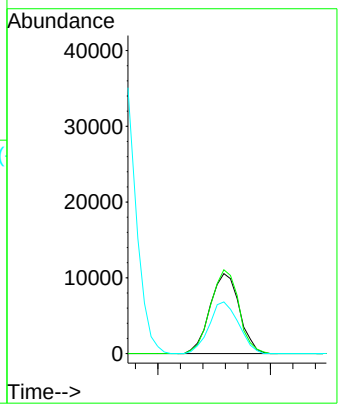
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

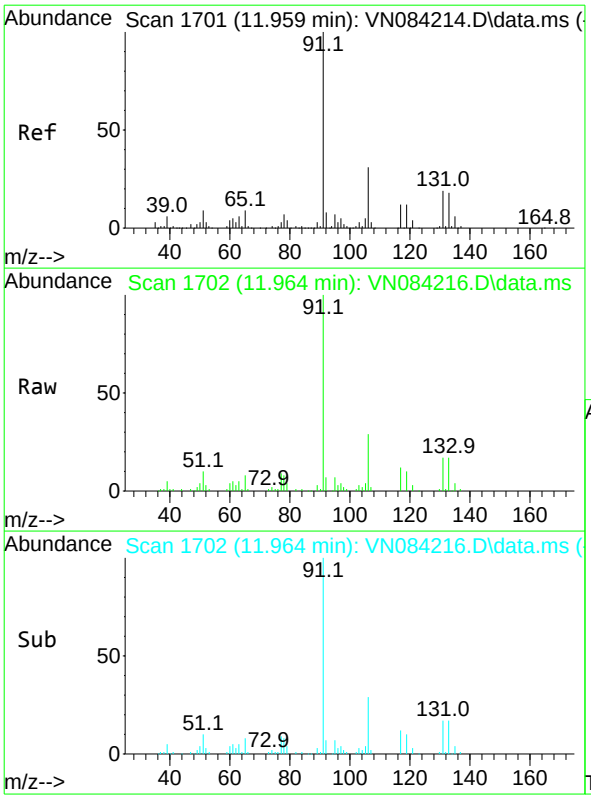


#66
1,1,1,2-Tetrachloroethane
Concen: 9.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

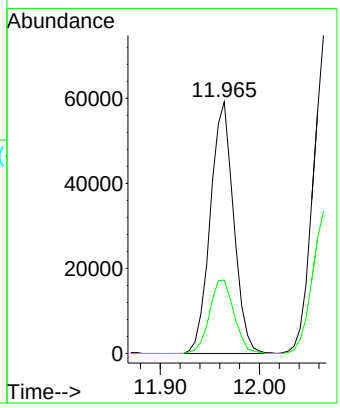




#67
Ethyl Benzene
Concen: 9.385 ug/l
RT: 11.964 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 96533

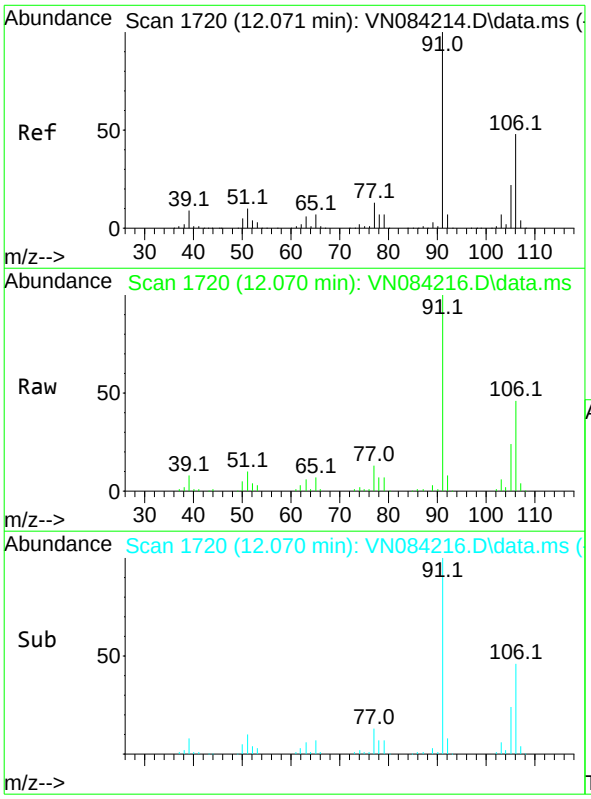
Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

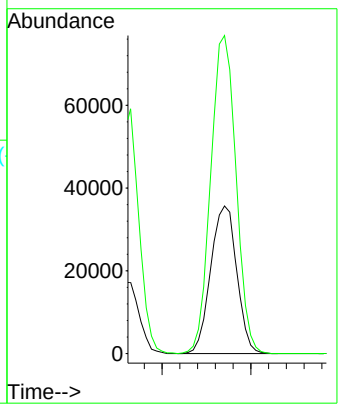
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

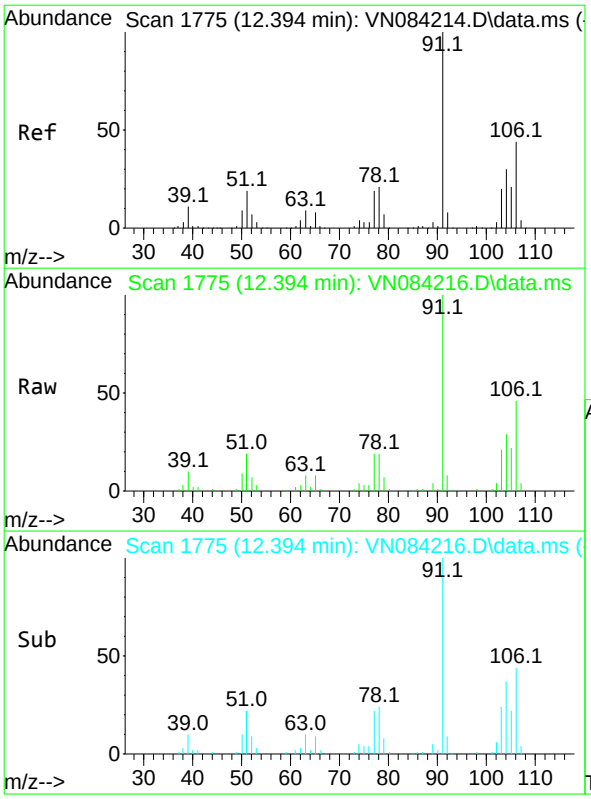


#68
m/p-Xylenes
Concen: 19.162 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 72910

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7

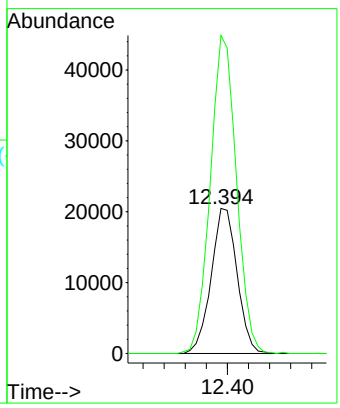




#69
o-Xylene
Concen: 9.713 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 34965

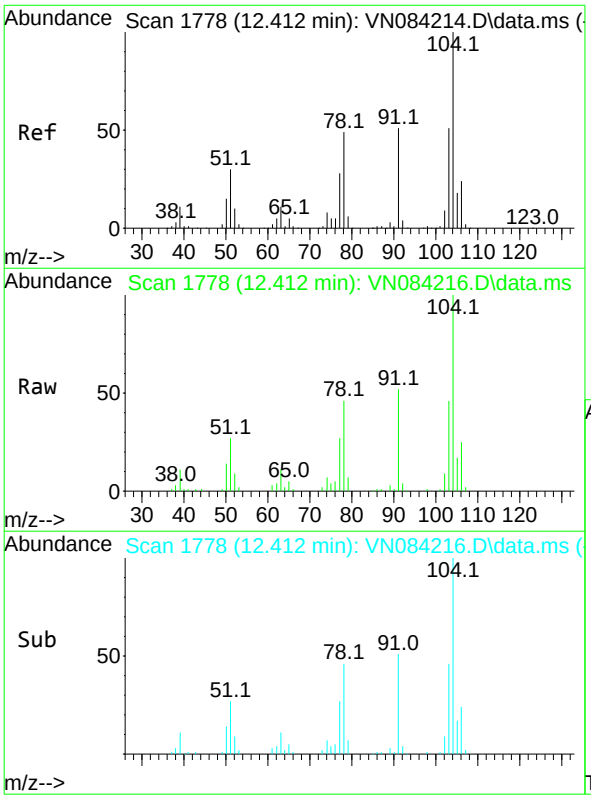
Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

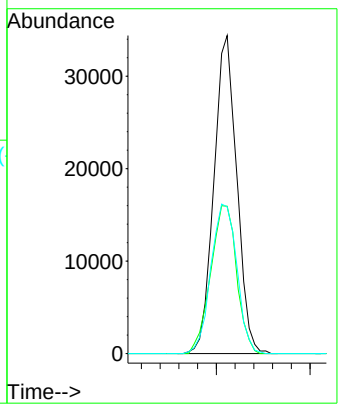
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

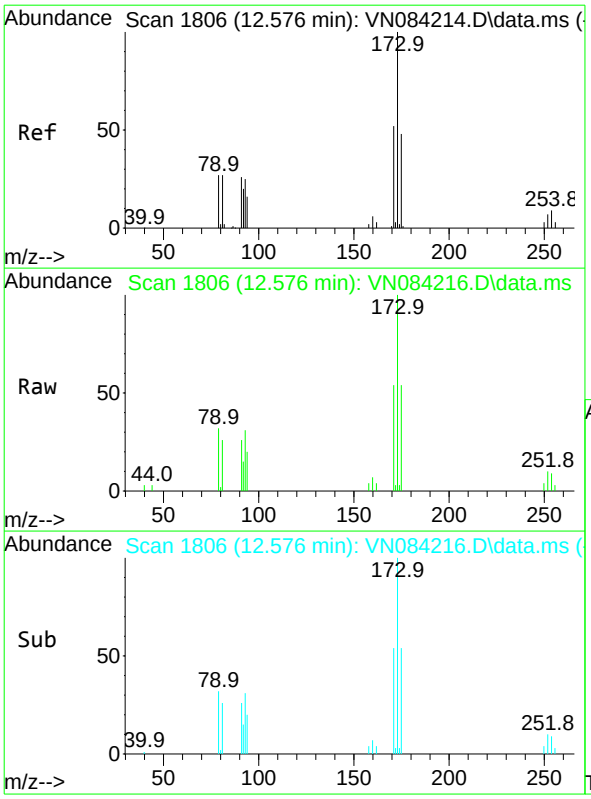


#70
Styrene
Concen: 9.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

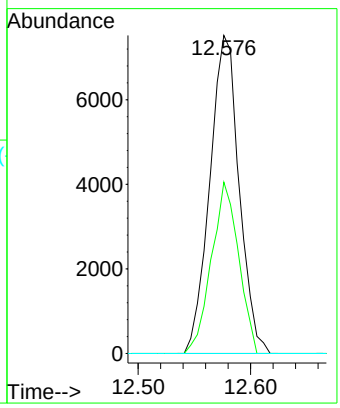




#71
Bromoform
Concen: 9.233 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:173 Resp: 13618

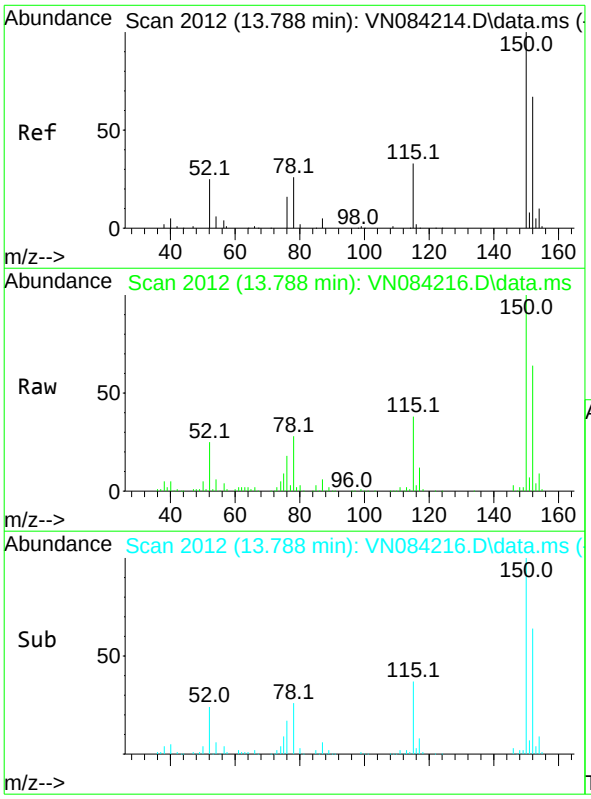
Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

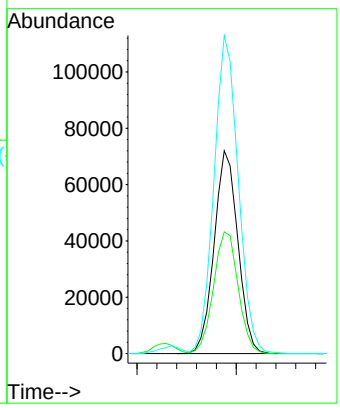
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

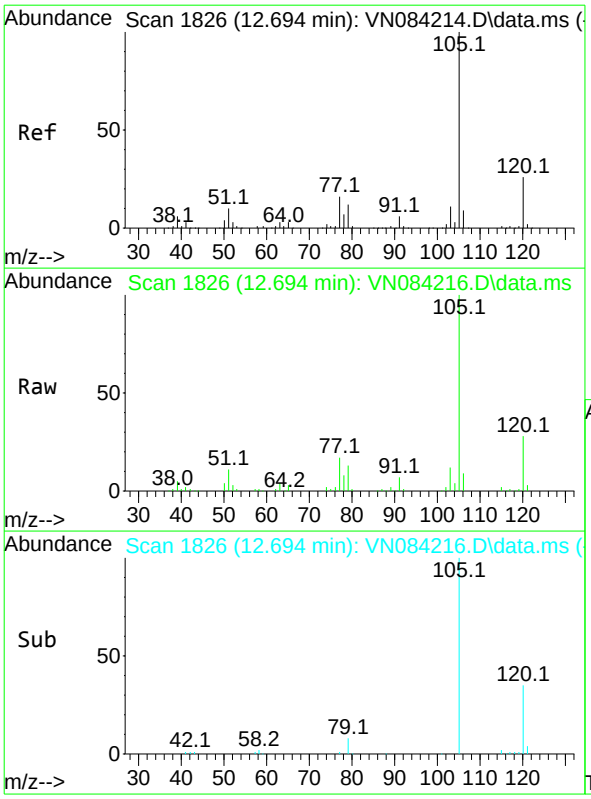


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

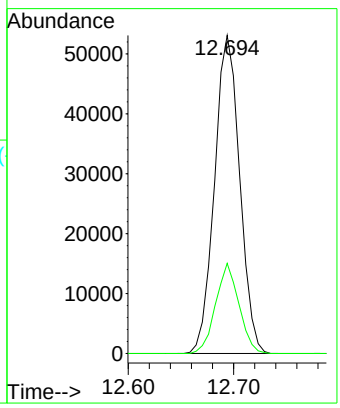




#73
Isopropylbenzene
Concen: 9.638 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 88000

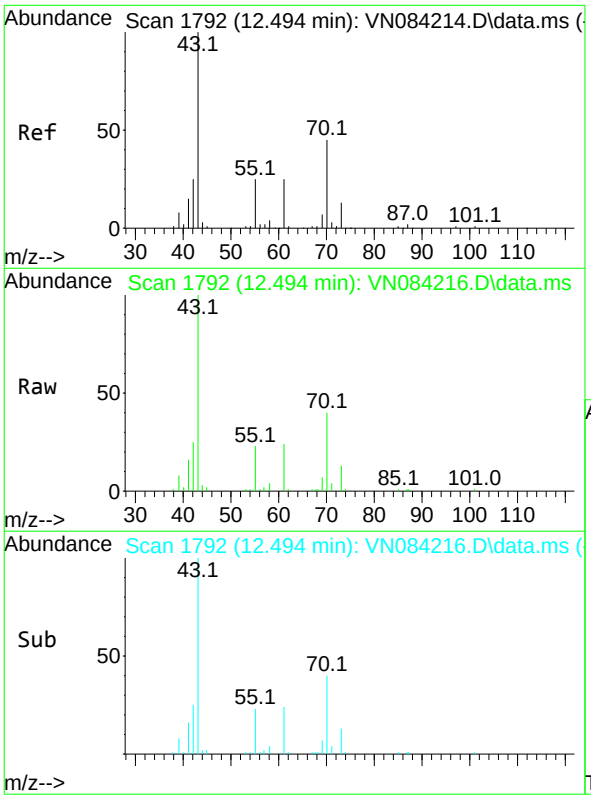
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

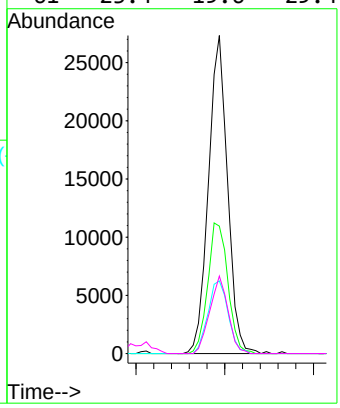
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

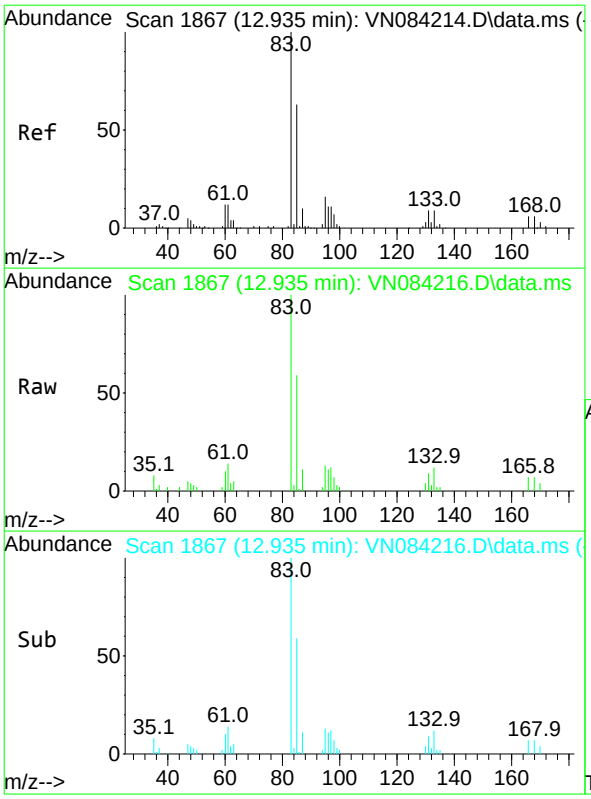


#74
N-amyl acetate
Concen: 9.868 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

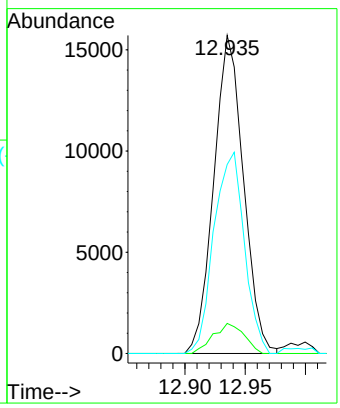




#75
1,1,2,2-Tetrachloroethane
Concen: 9.822 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 26966

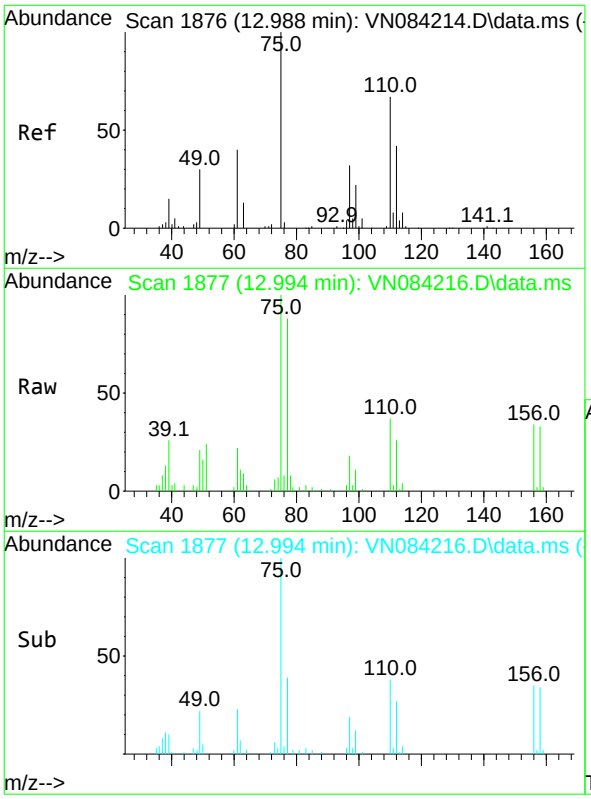
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

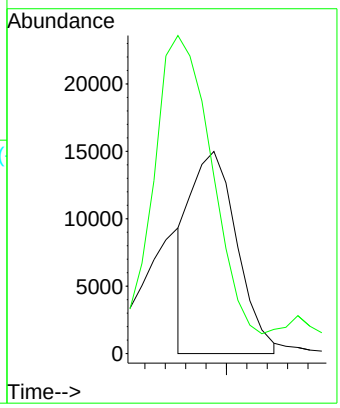
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

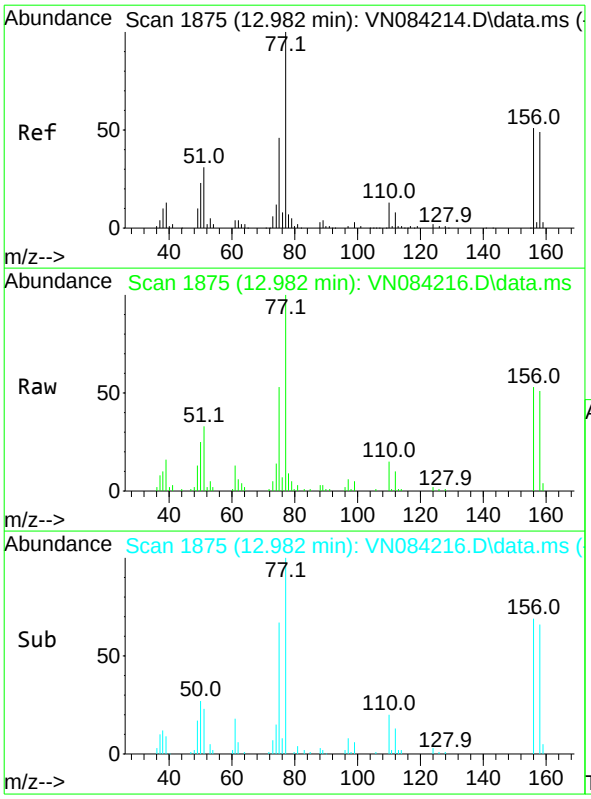


#76
1,2,3-Trichloropropane
Concen: 10.024 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 23907

Ion	Ratio	Lower	Upper
75	100		
77	205.3	96.9	290.7

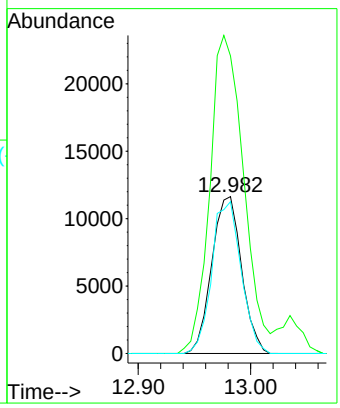




#77
Bromobenzene
Concen: 9.734 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:156 Resp: 21439

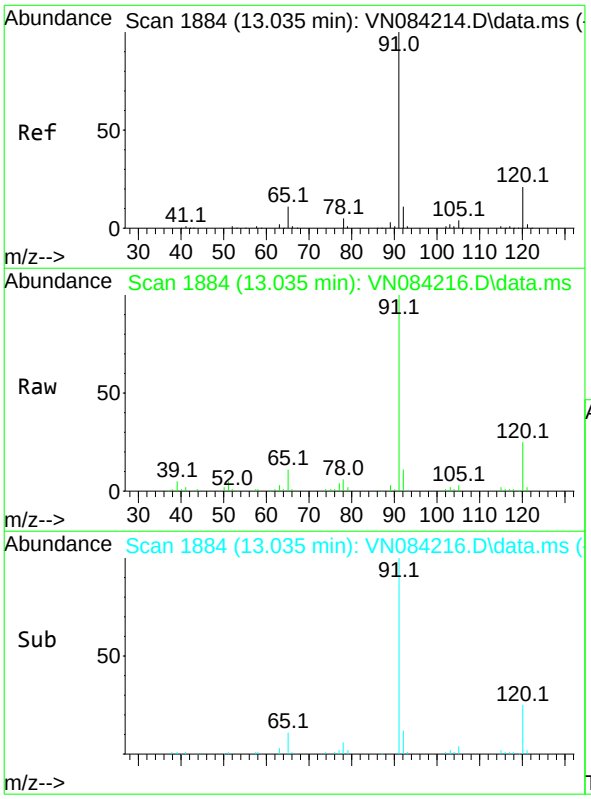
Ion	Ratio	Lower	Upper
156	100		
77	229.0	115.1	345.3
158	95.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

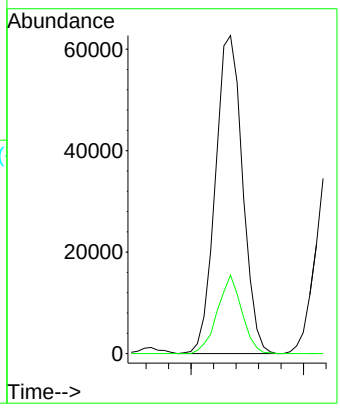
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

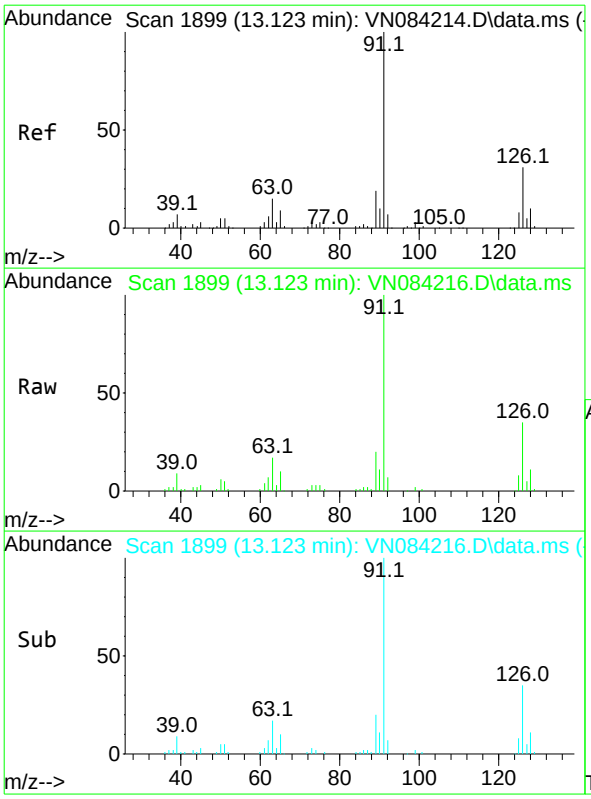


#78
n-propylbenzene
Concen: 9.957 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 105334

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

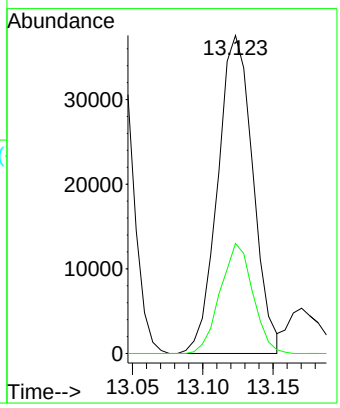




#79
2-Chlorotoluene
Concen: 9.704 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 65511

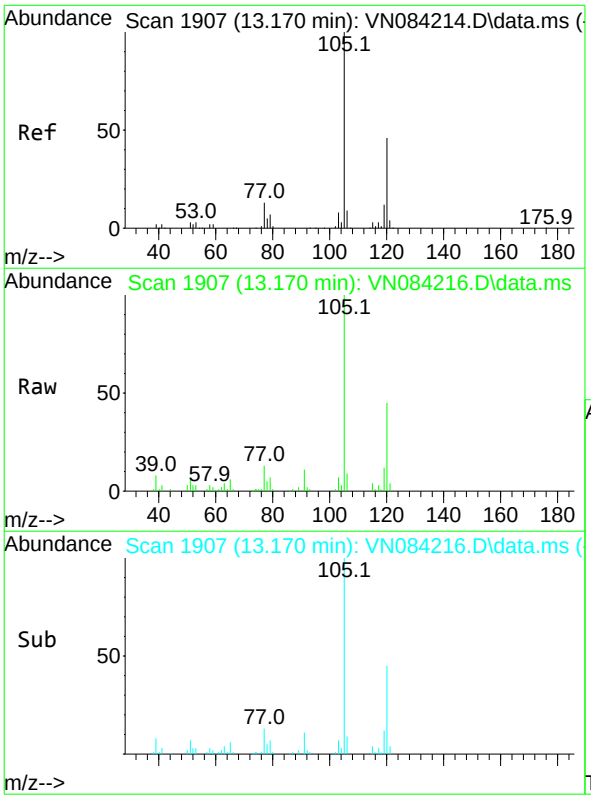
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

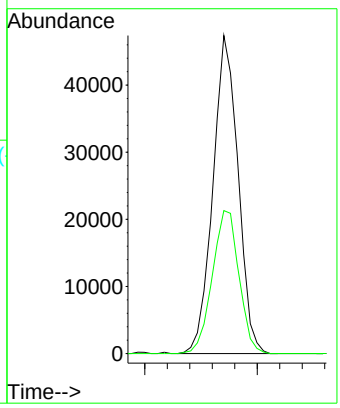
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

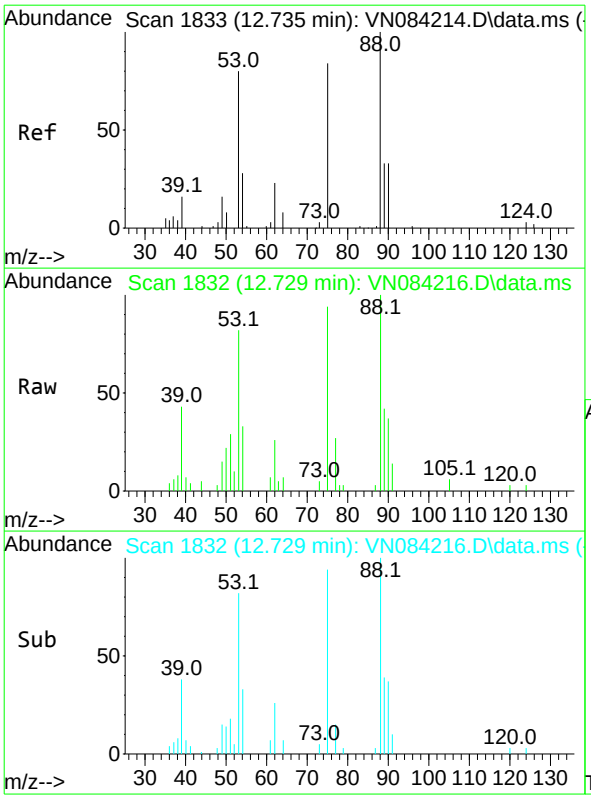


#80
1,3,5-Trimethylbenzene
Concen: 9.887 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 73637

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1

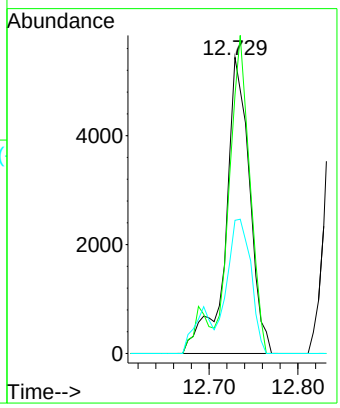




#81
trans-1,4-Dichloro-2-butene
Concen: 10.047 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 10237

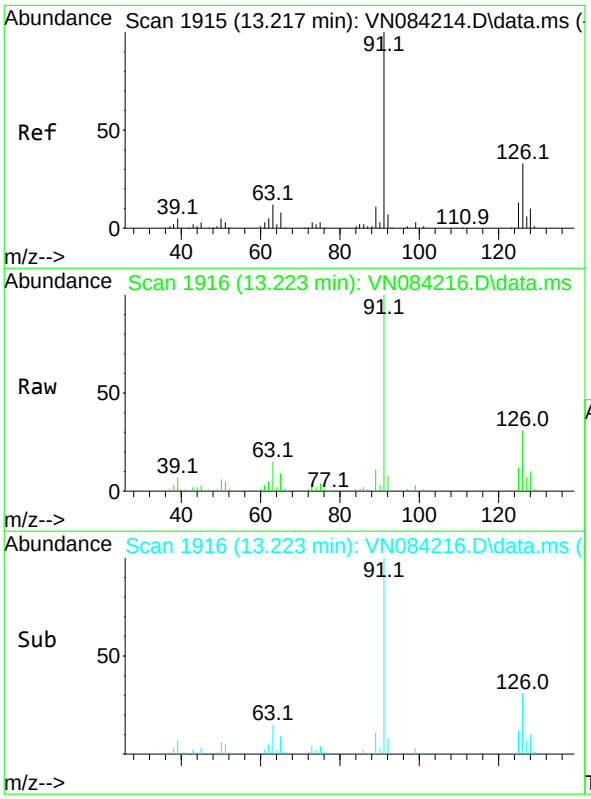
Ion	Ratio	Lower	Upper
75	100		
53	89.4	78.0	117.0
89	44.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

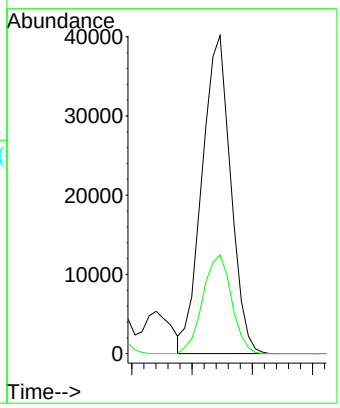
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

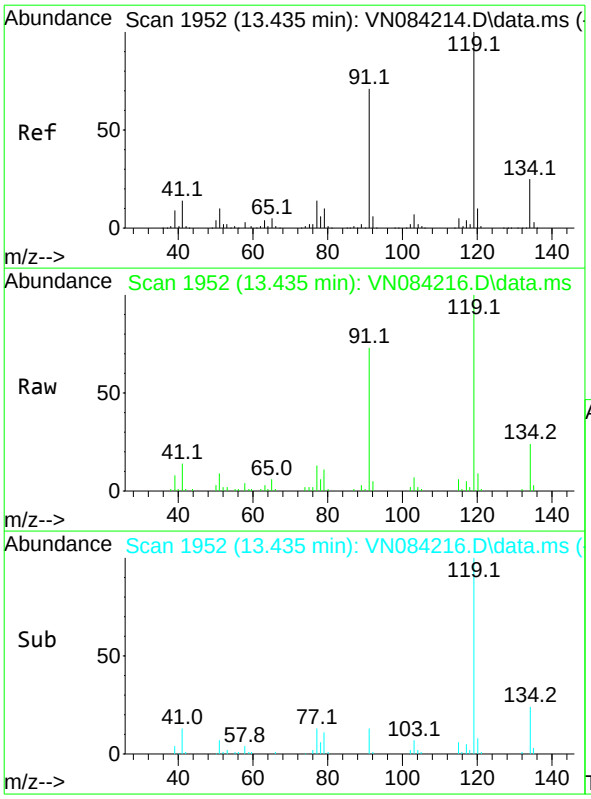


#82
4-Chlorotoluene
Concen: 9.778 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 66449

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1

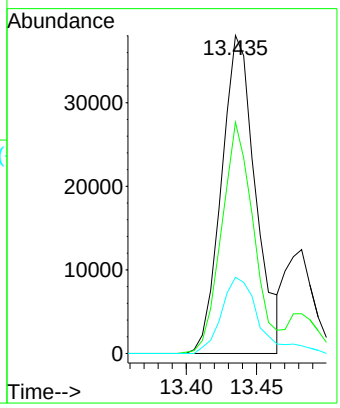




#83
tert-Butylbenzene
Concen: 9.691 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:119 Resp: 64152

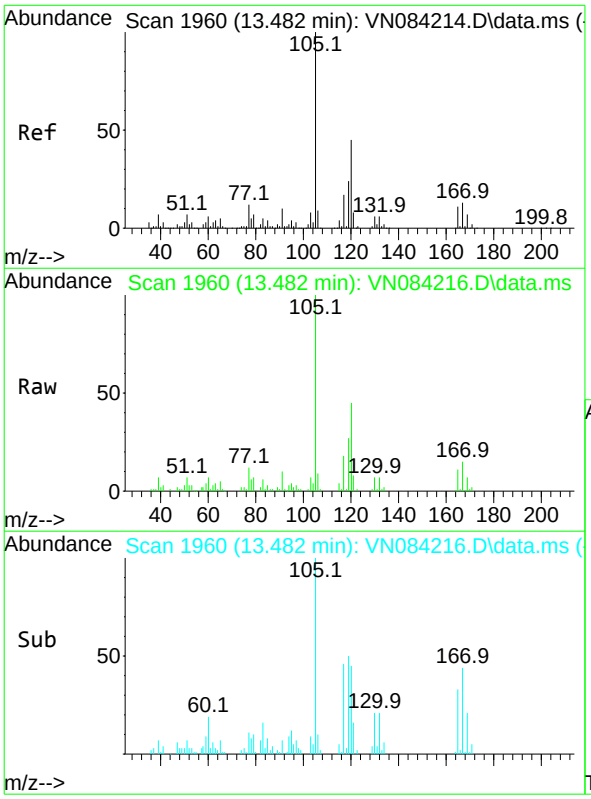
Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.1	102.3
134	26.6	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

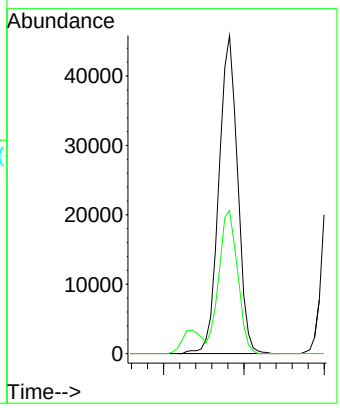
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

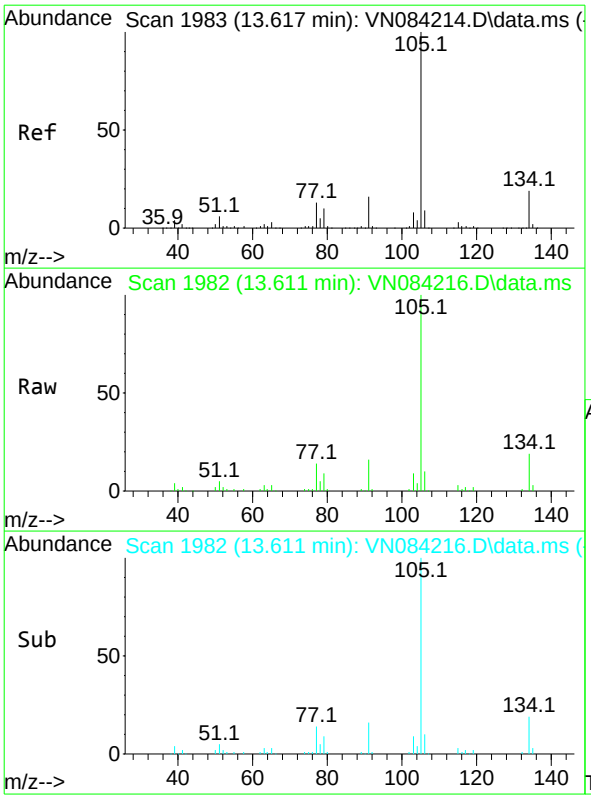


#84
1,2,4-Trimethylbenzene
Concen: 9.895 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 74245

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8

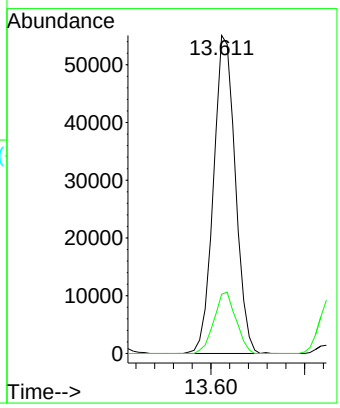




#85
sec-Butylbenzene
Concen: 10.065 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 88913

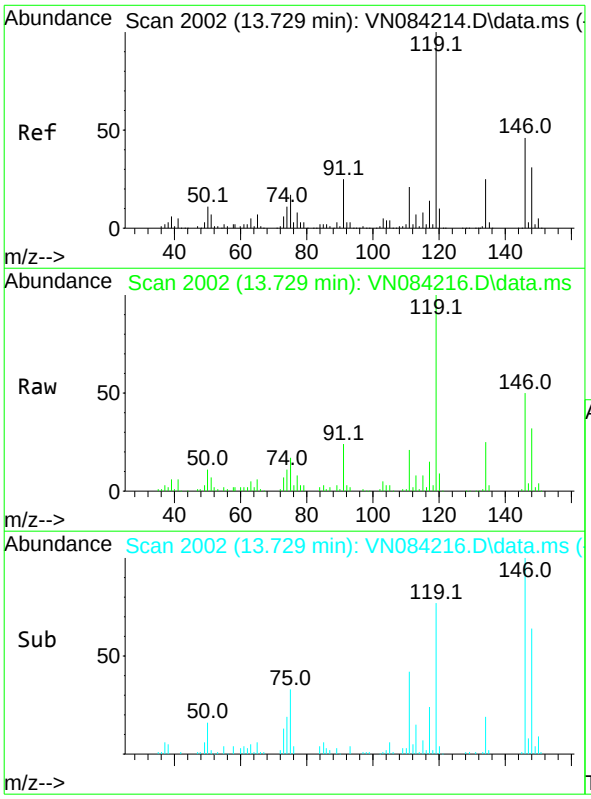
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

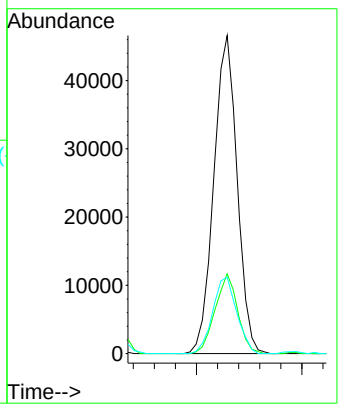
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

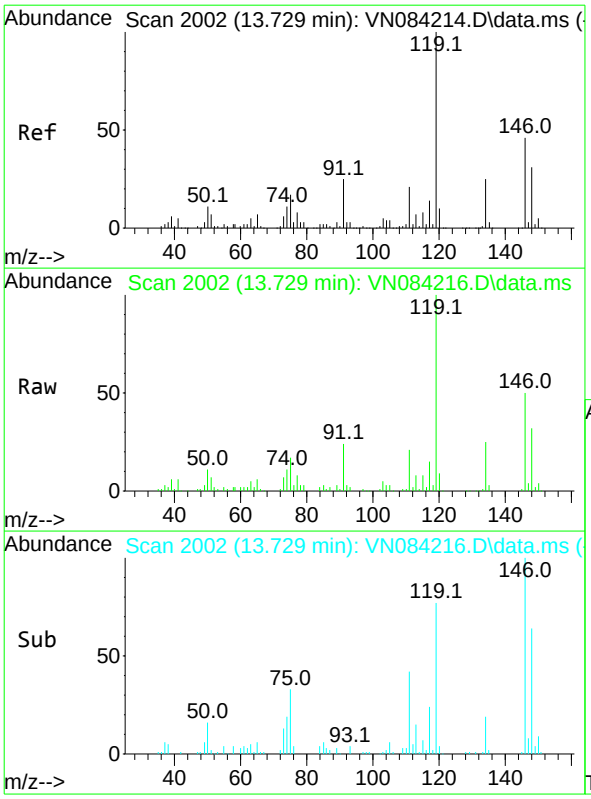


#86
p-Isopropyltoluene
Concen: 9.812 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

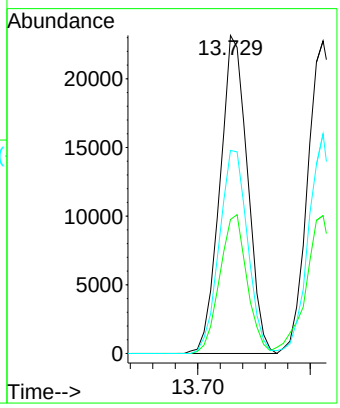




#87
1,3-Dichlorobenzene
Concen: 9.536 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 39402

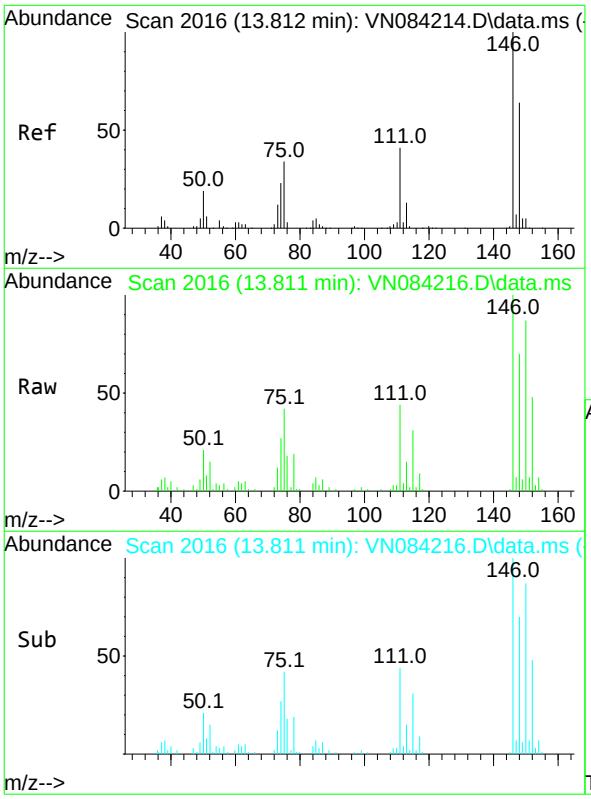
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

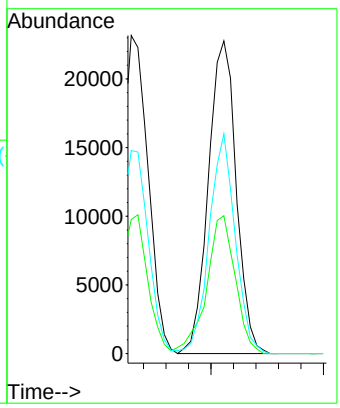
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

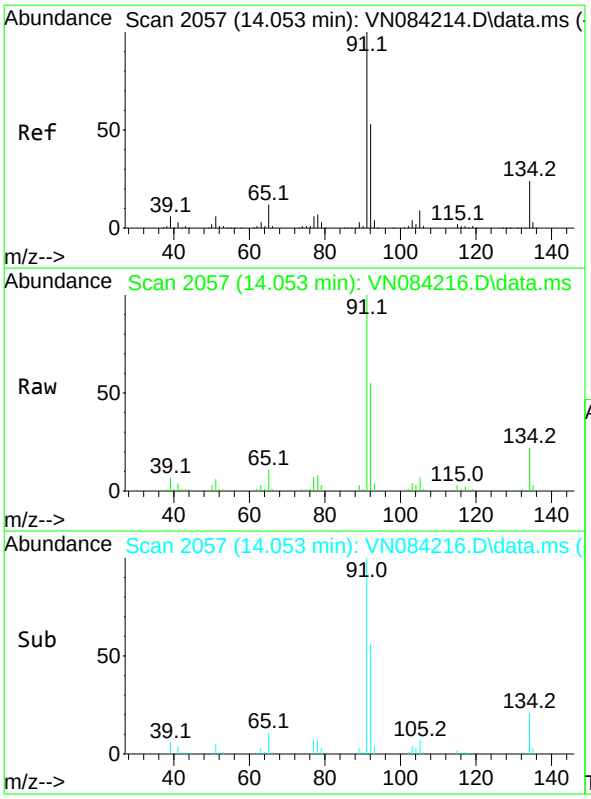


#88
1,4-Dichlorobenzene
Concen: 9.392 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

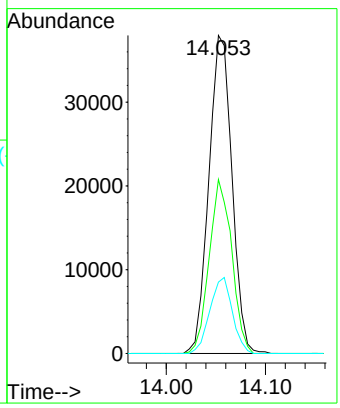




#89
n-Butylbenzene
Concen: 9.273 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 61422

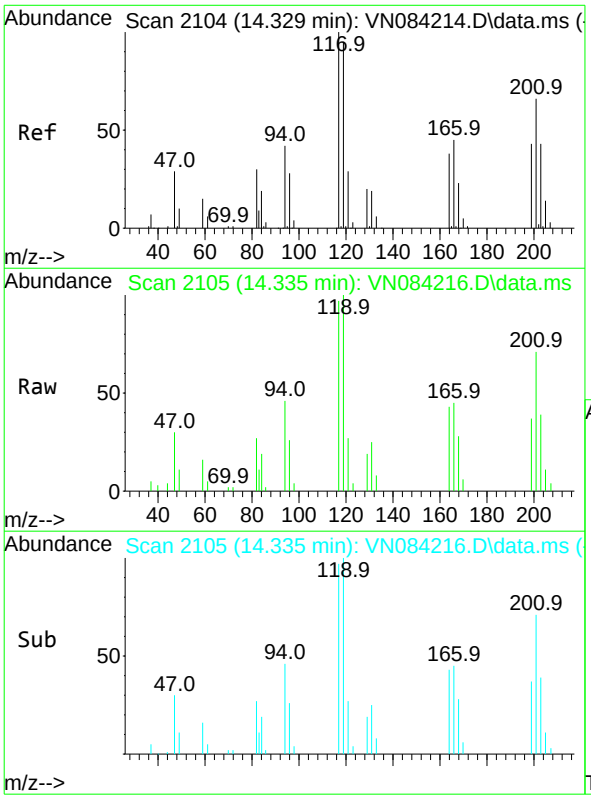
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	23.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

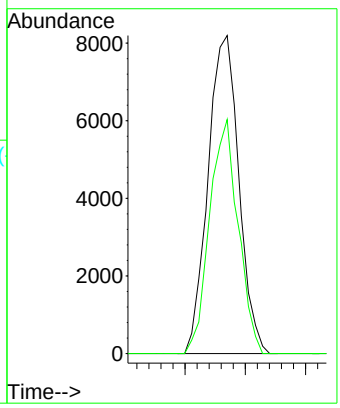
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

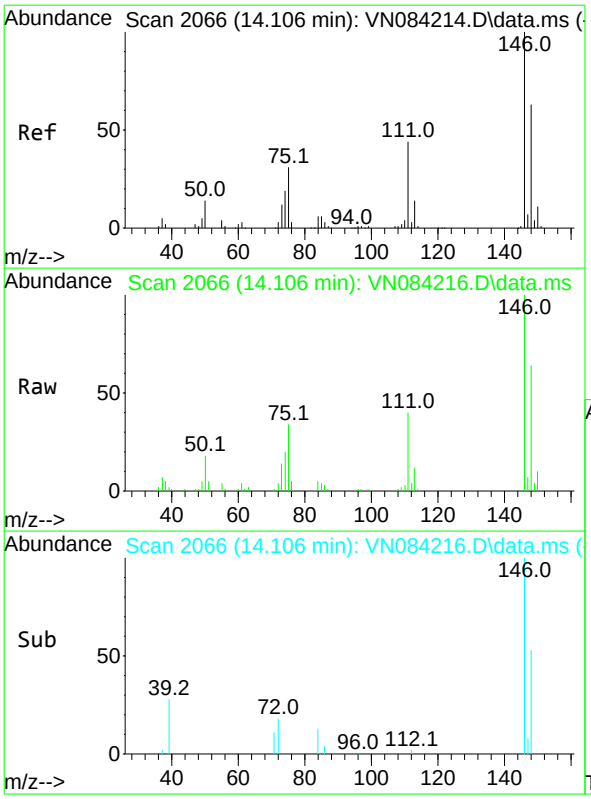


#90
Hexachloroethane
Concen: 9.820 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 14560

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2

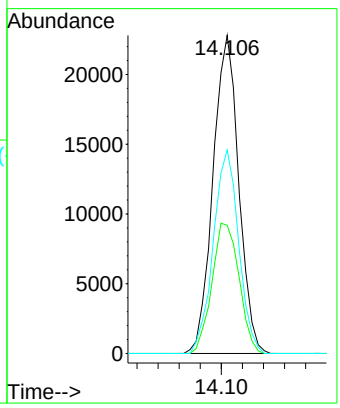




#91
1,2-Dichlorobenzene
Concen: 9.526 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:146 Resp: 38594

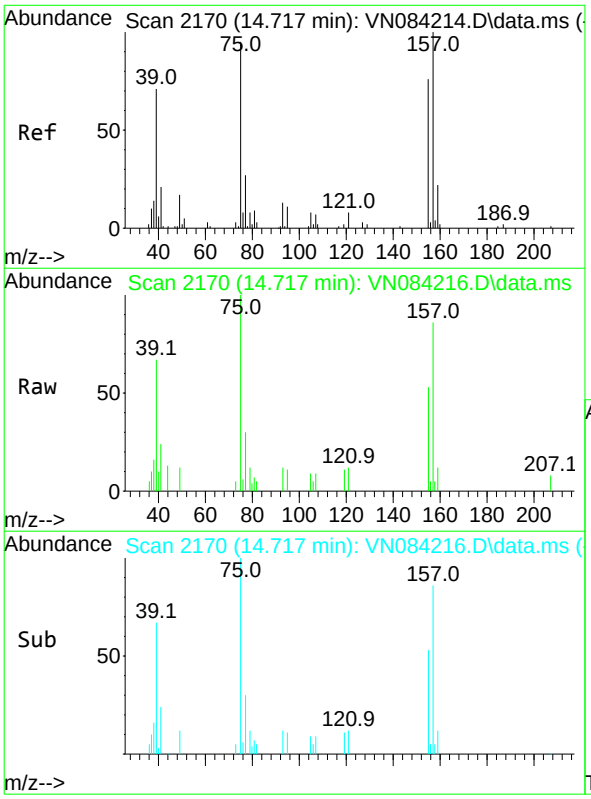
Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

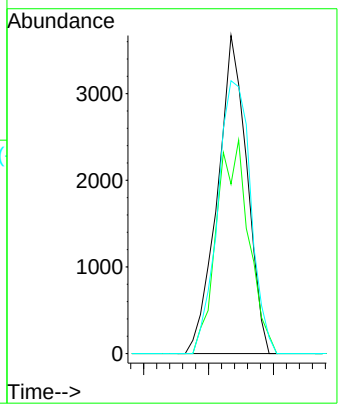
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

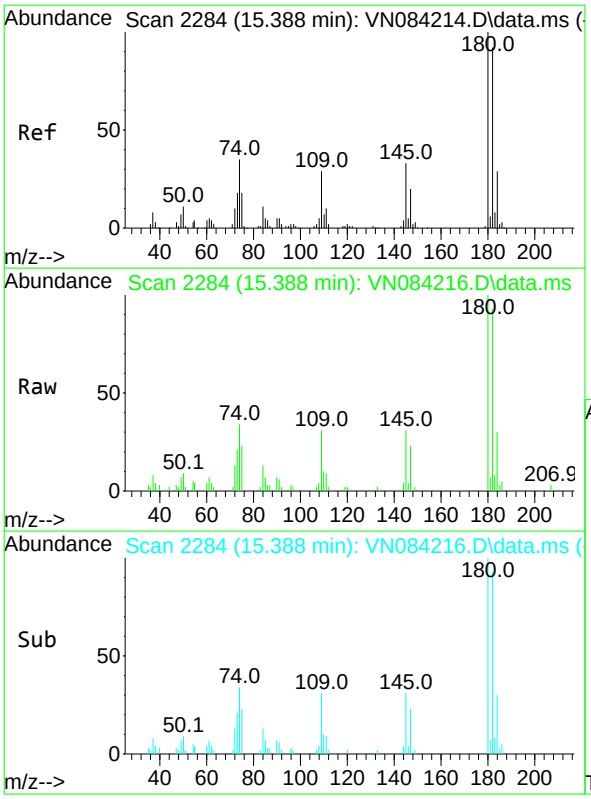


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.235 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

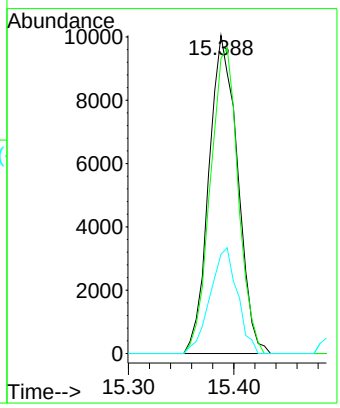




#93
1,2,4-Trichlorobenzene
Concen: 9.501 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:180 Resp: 18960

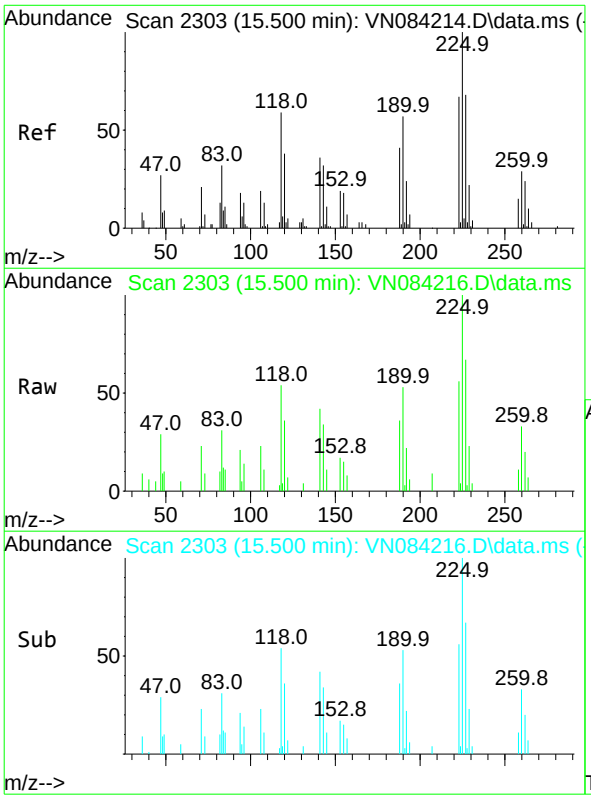
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.0
145	31.7	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

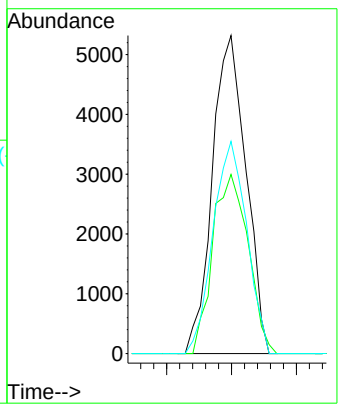
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

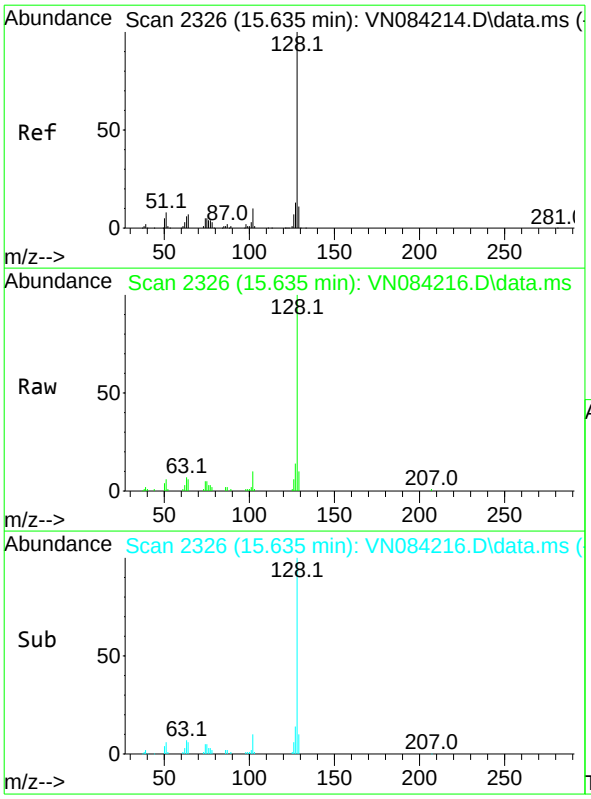


#94
Hexachlorobutadiene
Concen: 9.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

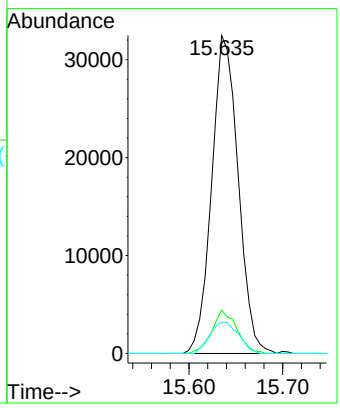




#95
Naphthalene
Concen: 9.613 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:128 Resp: 63596

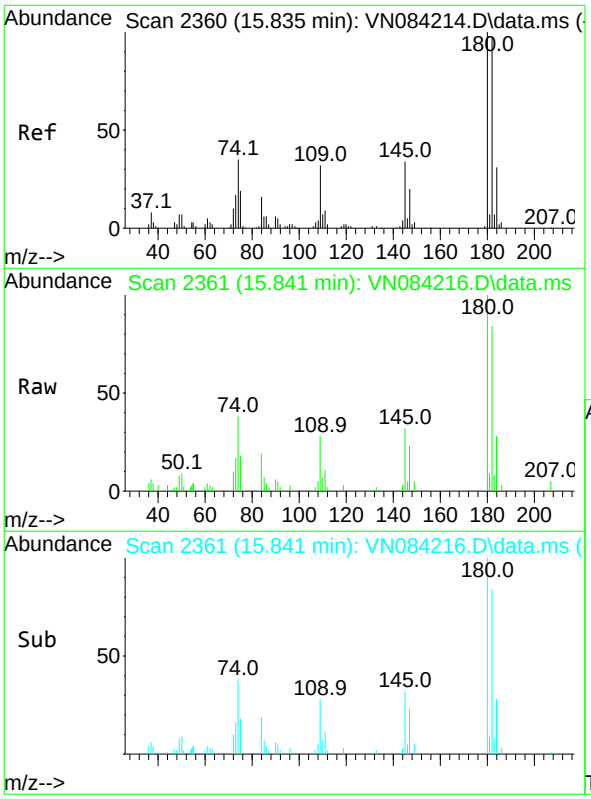
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

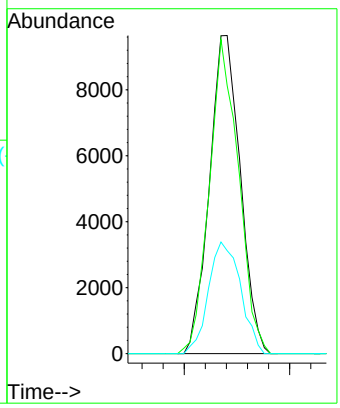
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

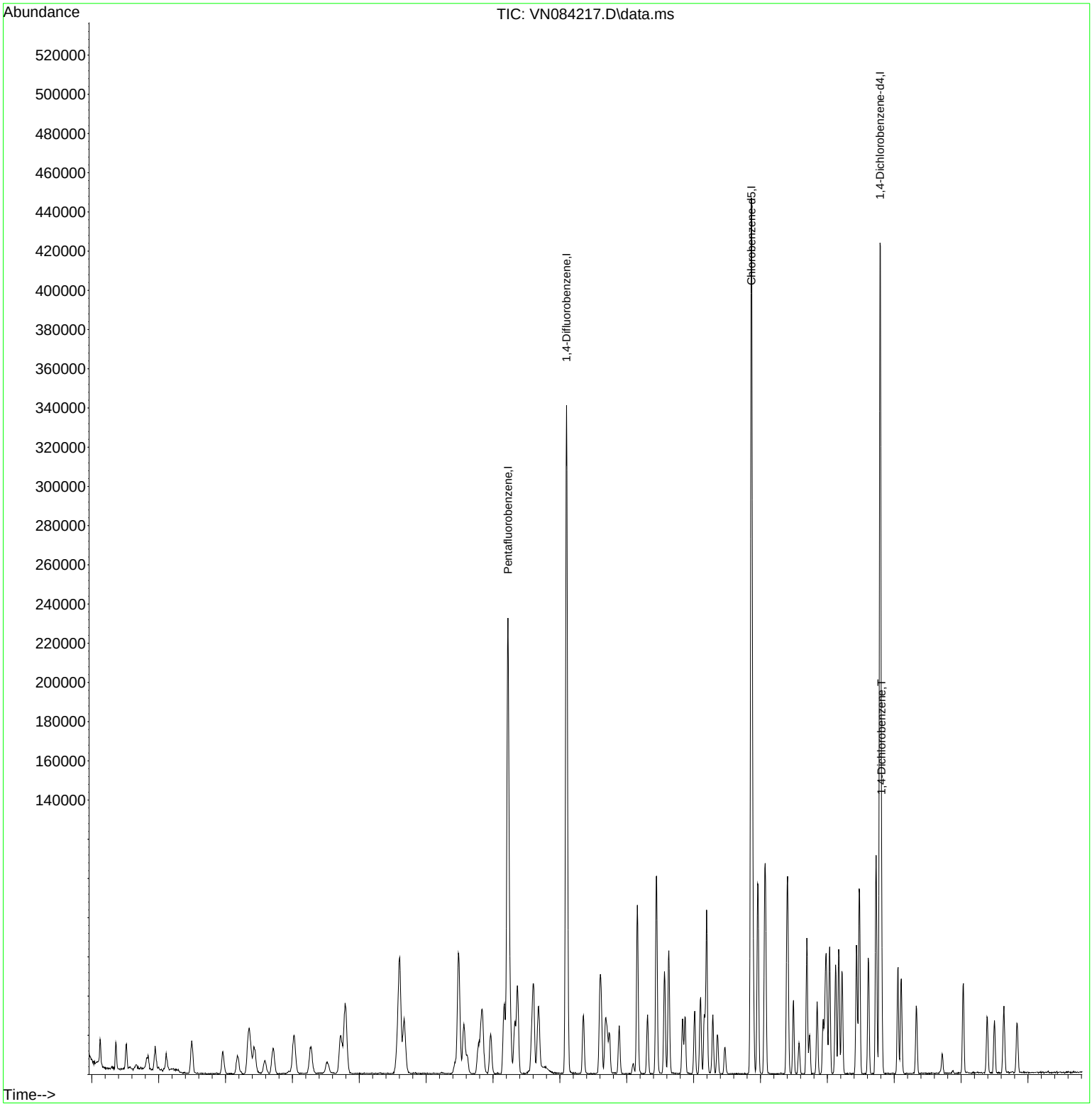
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Data File : VN084217.D
Acq On : 30 Sep 2024 14:00
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

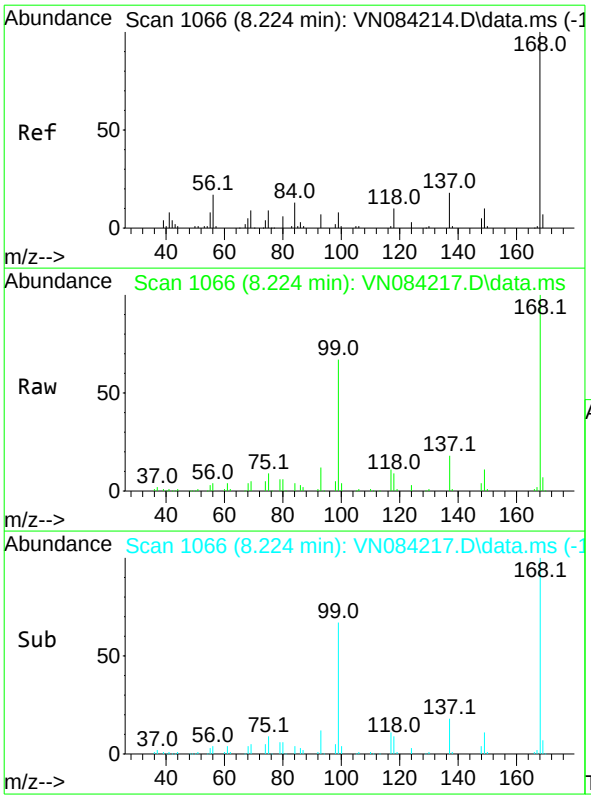
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Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

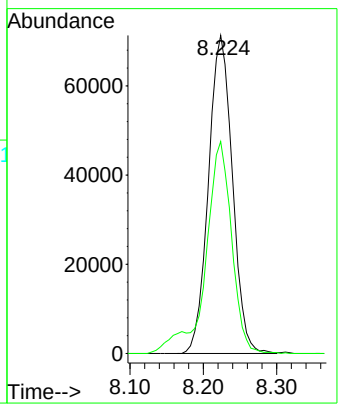




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:168 Resp: 161547

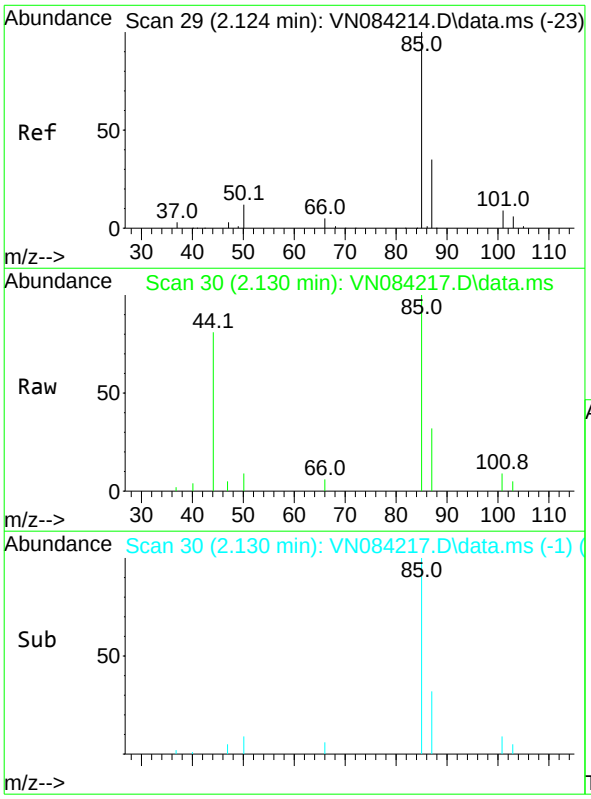
Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

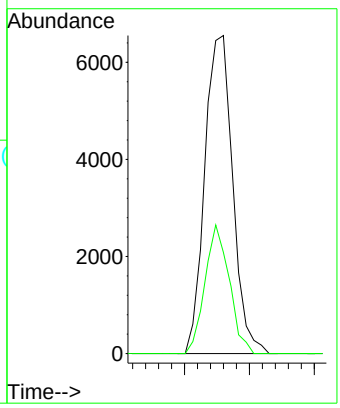
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

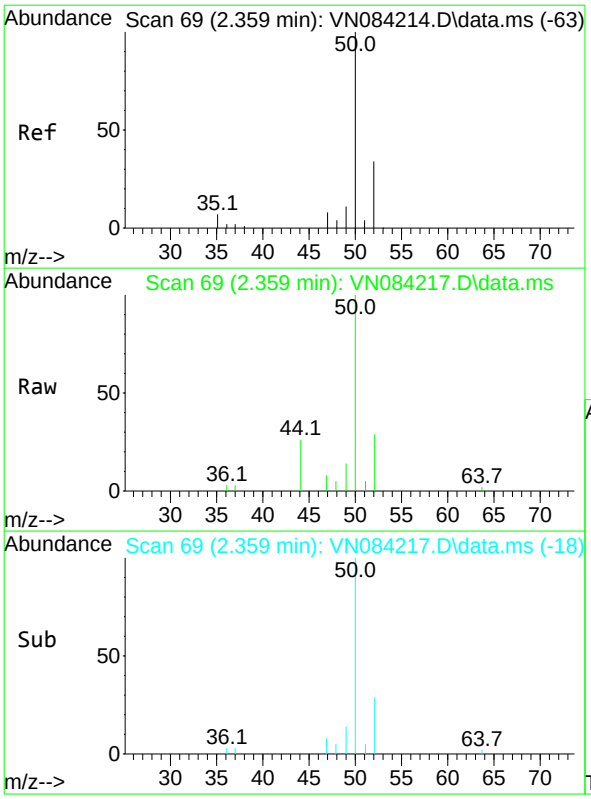


#2
Dichlorodifluoromethane
Concen: 5.132 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 85 Resp: 9807

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

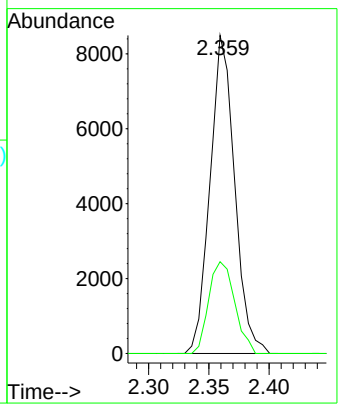




#3
Chloromethane
Concen: 5.529 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 50 Resp: 12064

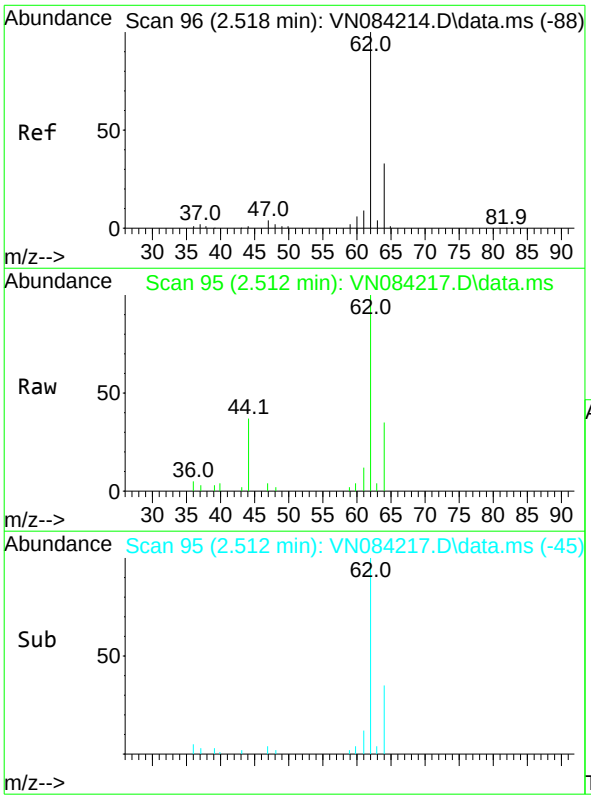
Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

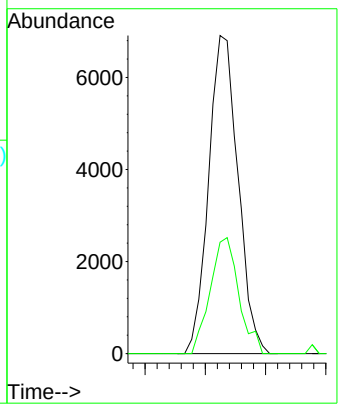
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

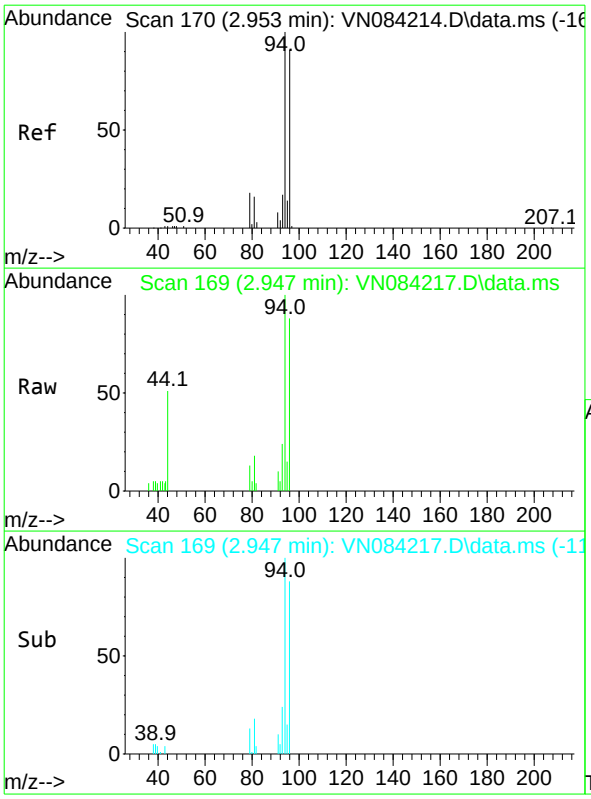


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 11701

Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.2	39.4

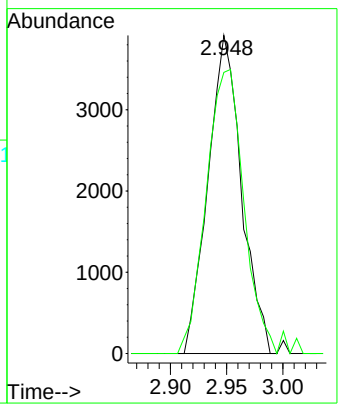




#5
Bromomethane
Concen: 5.804 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 94 Resp: 8091

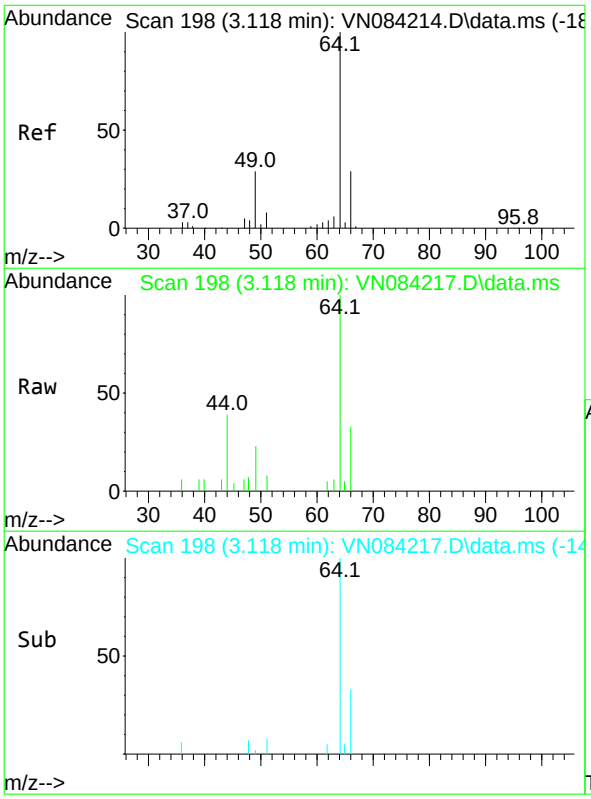
Ion	Ratio	Lower	Upper
94	100		
96	88.4	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

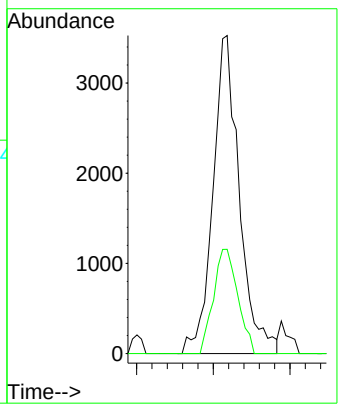
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

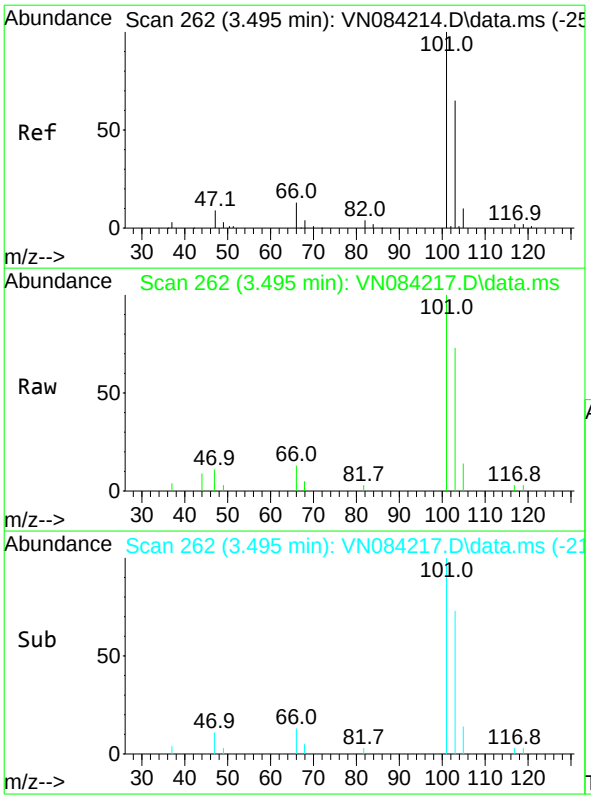


#6
Chloroethane
Concen: 5.571 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 64 Resp: 8433

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

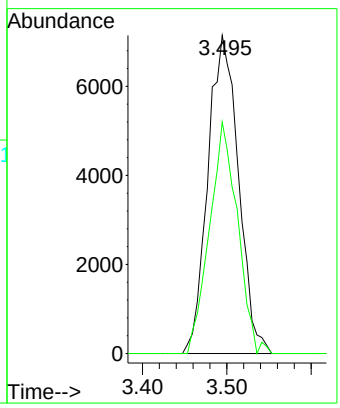




#7
Trichlorofluoromethane
Concen: 5.466 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:101 Resp: 17988

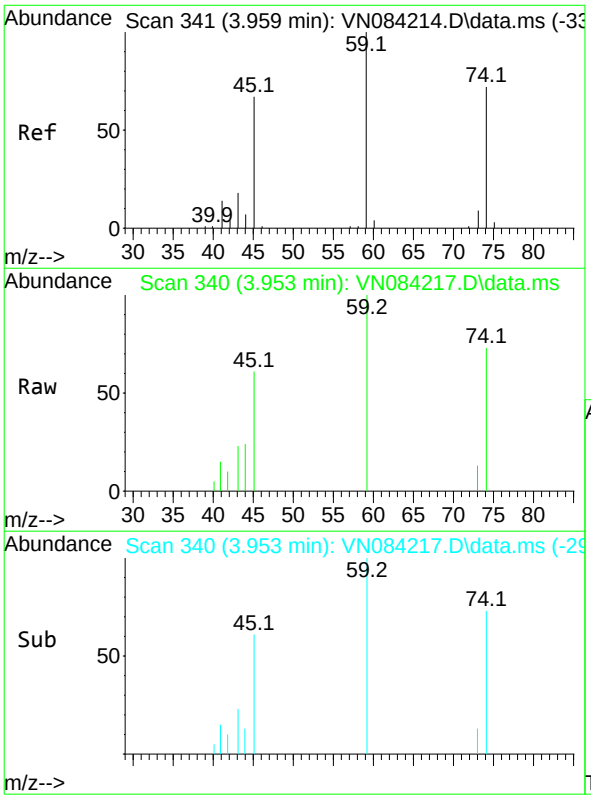
Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

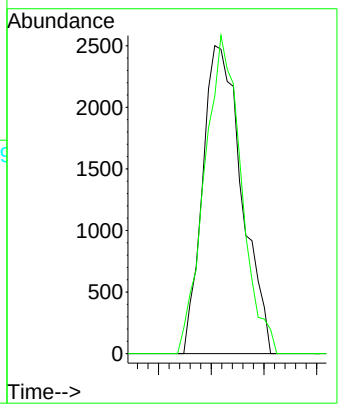
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

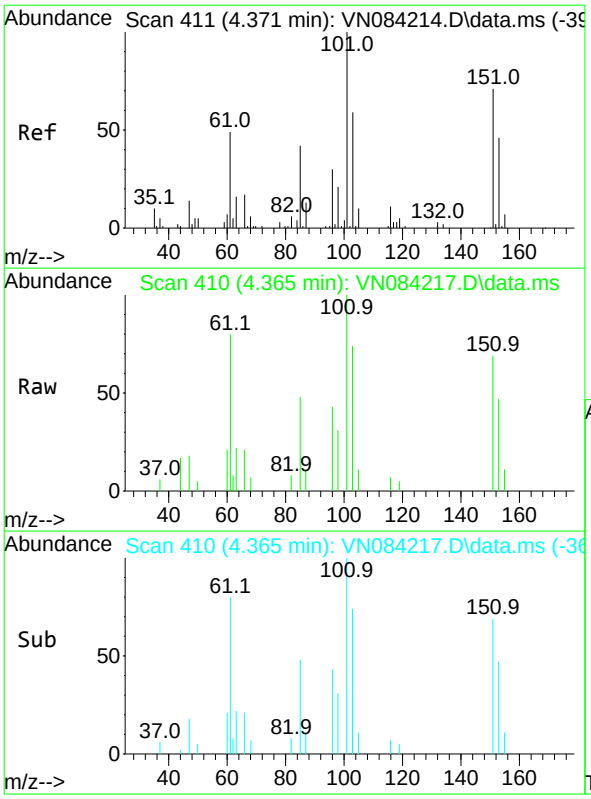


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

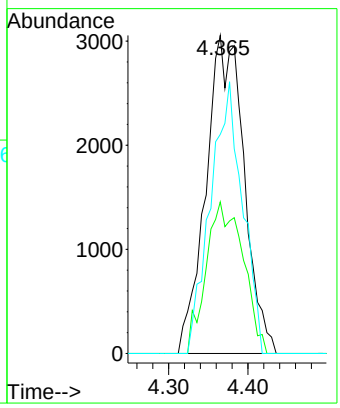
Tgt Ion:101 Resp: 10220

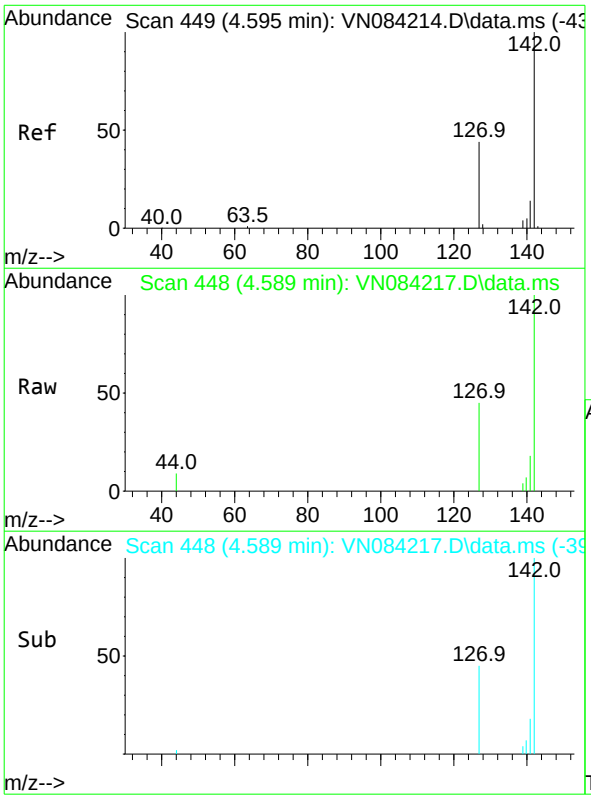
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.2	54.4
151	71.5	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

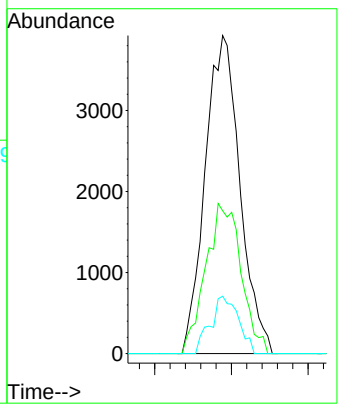


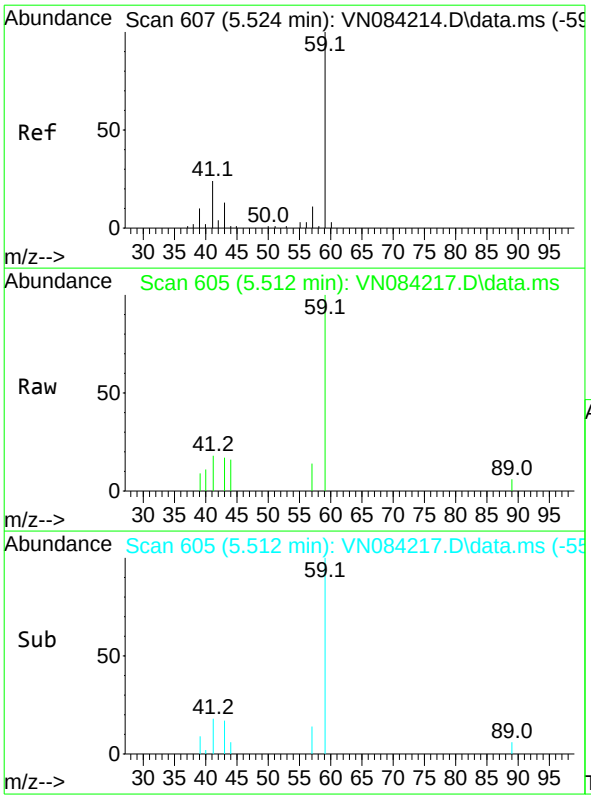


#10
Methyl Iodide
Concen: 5.083 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

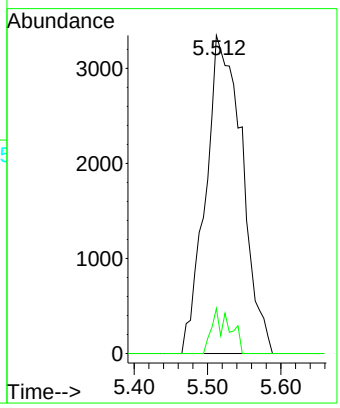




#11
Tert butyl alcohol
Concen: 29.211 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 59 Resp: 11537

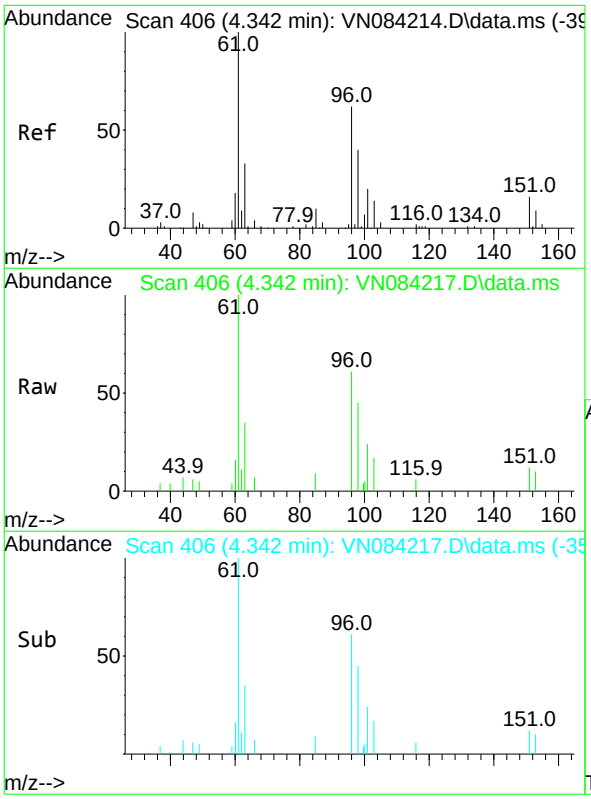
Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

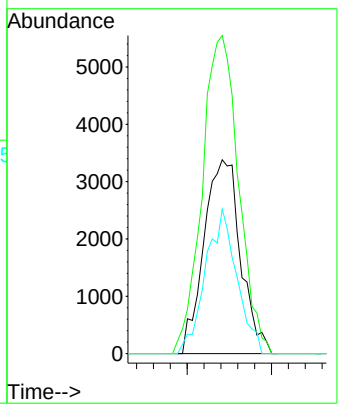
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

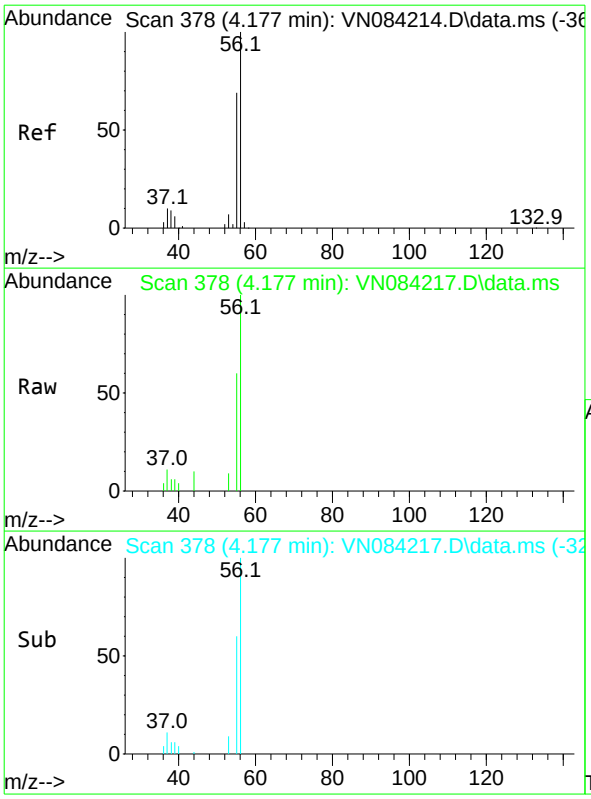


#12
1,1-Dichloroethene
Concen: 5.603 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

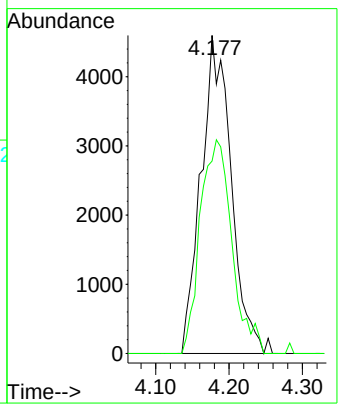




#13
Acrolein
Concen: 28.940 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 56 Resp: 13122

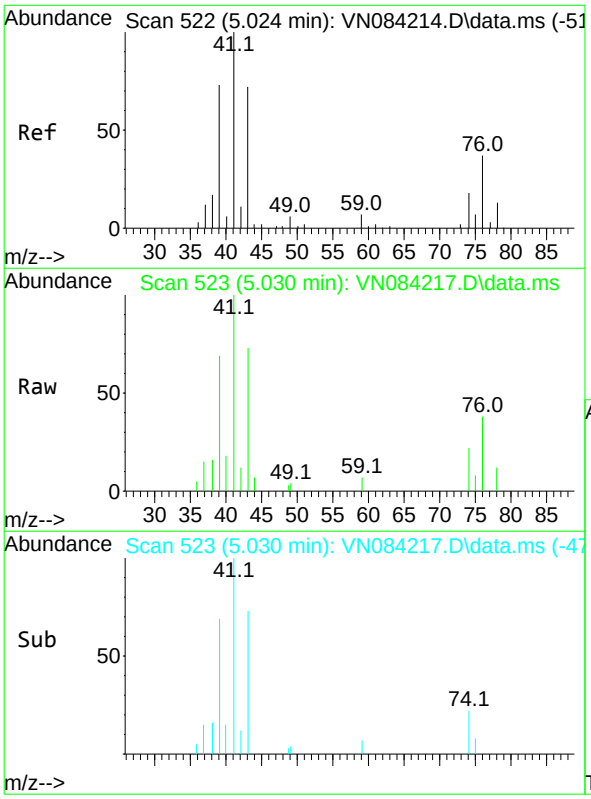
Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

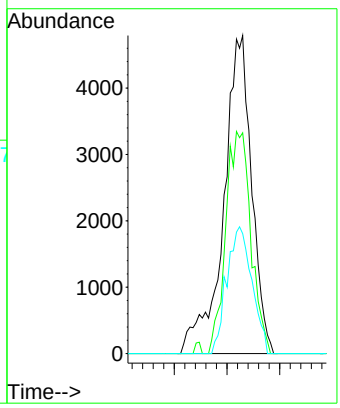
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

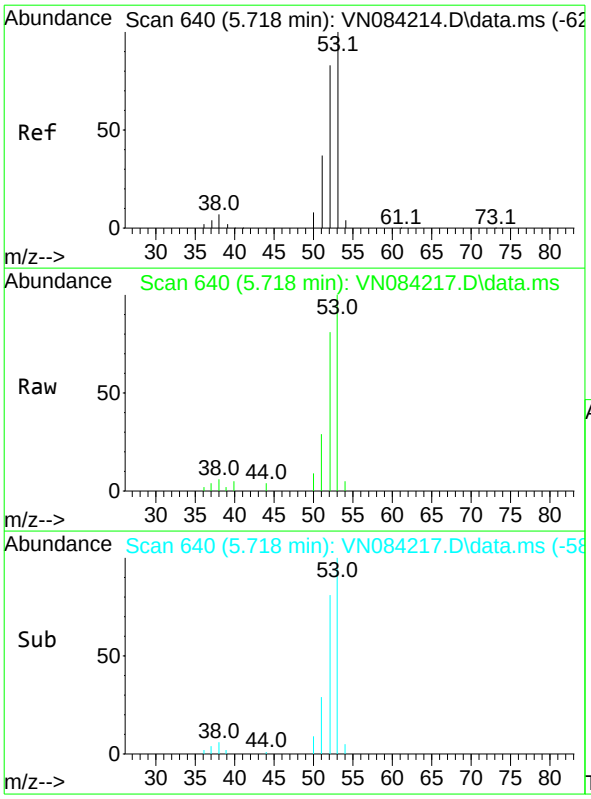


#14
Allyl chloride
Concen: 5.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

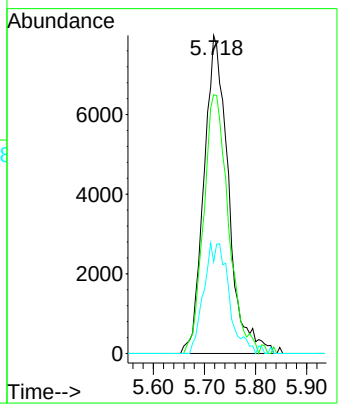




#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 53 Resp: 26537

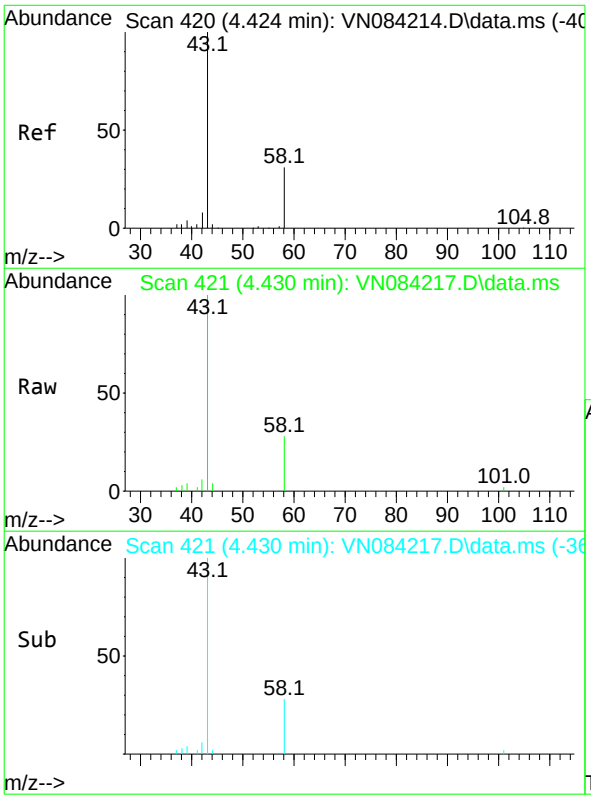
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

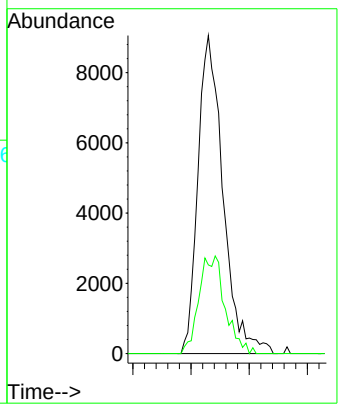
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

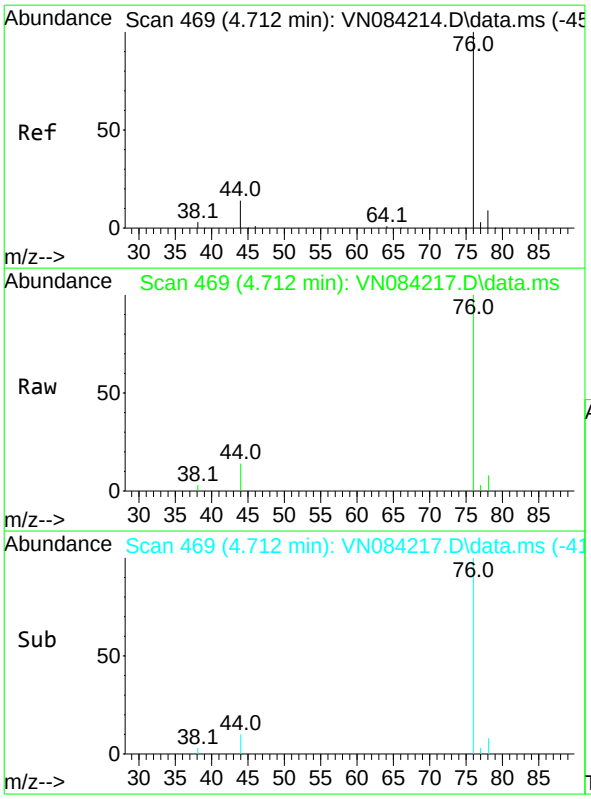


#16
Acetone
Concen: 26.389 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 27153

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.4	36.6

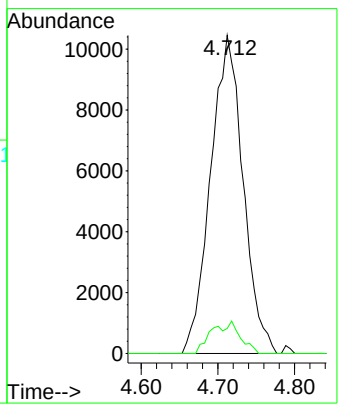




#17
Carbon Disulfide
Concen: 5.351 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 76 Resp: 30816

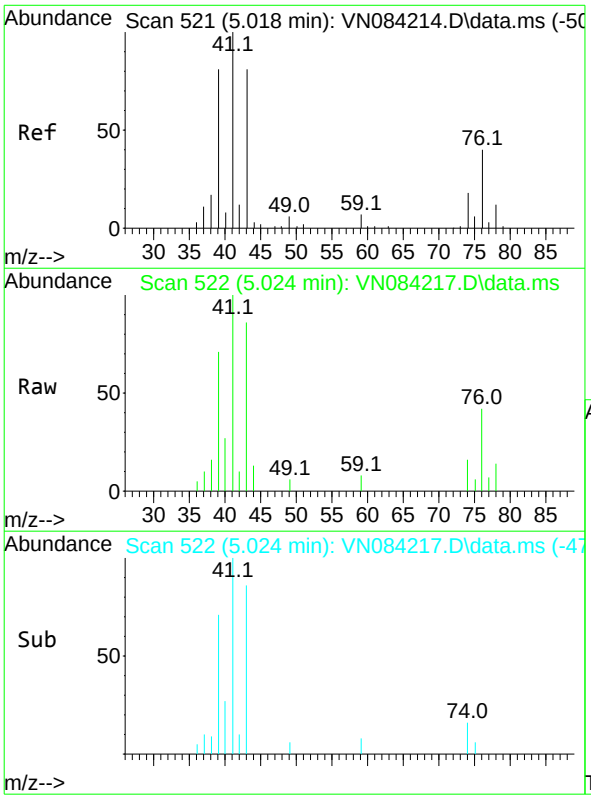
Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

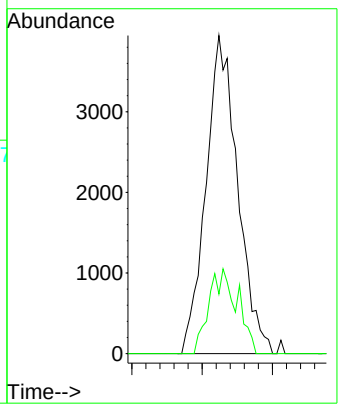
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

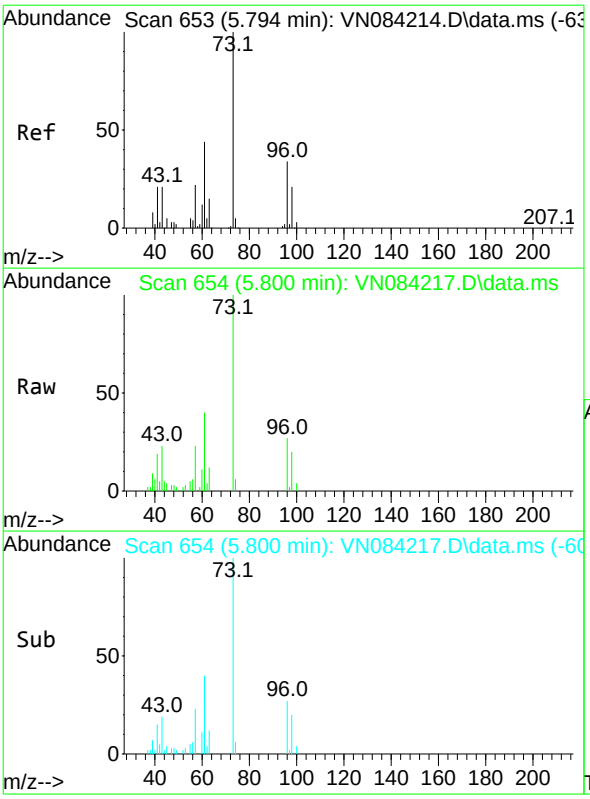


#18
Methyl Acetate
Concen: 5.509 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 12354

Ion	Ratio	Lower	Upper
43	100		
74	9.9	19.2	28.8#

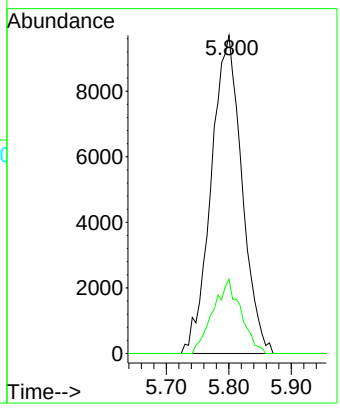




#19
Methyl tert-butyl Ether
Concen: 5.392 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 73 Resp: 33101

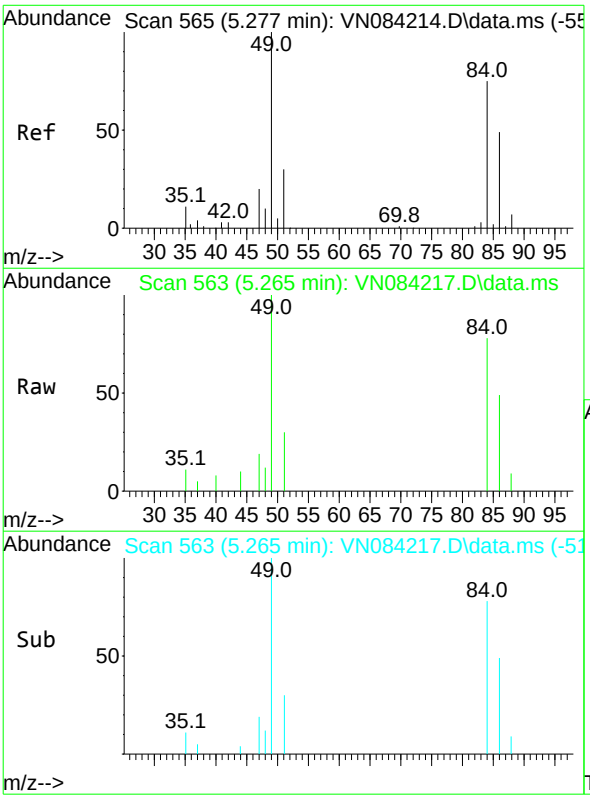
Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

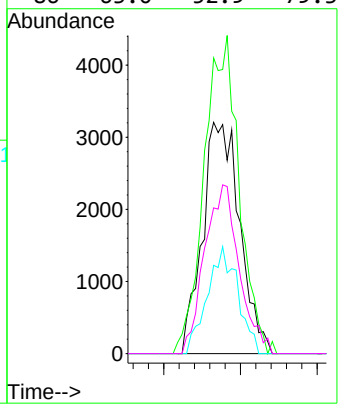
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

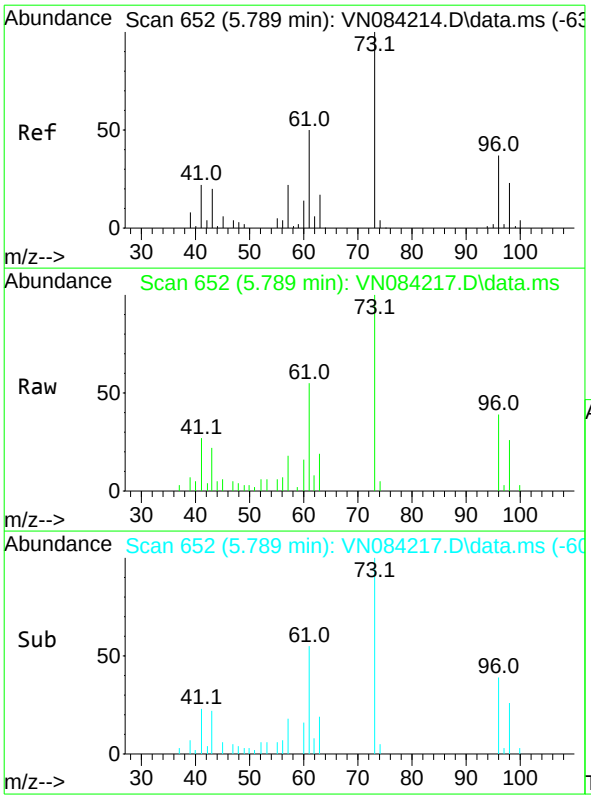


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

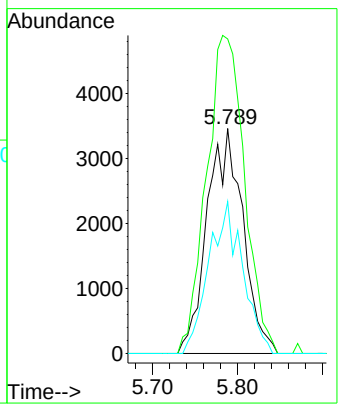




#21
trans-1,2-Dichloroethene
Concen: 5.314 ug/l m
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 10126

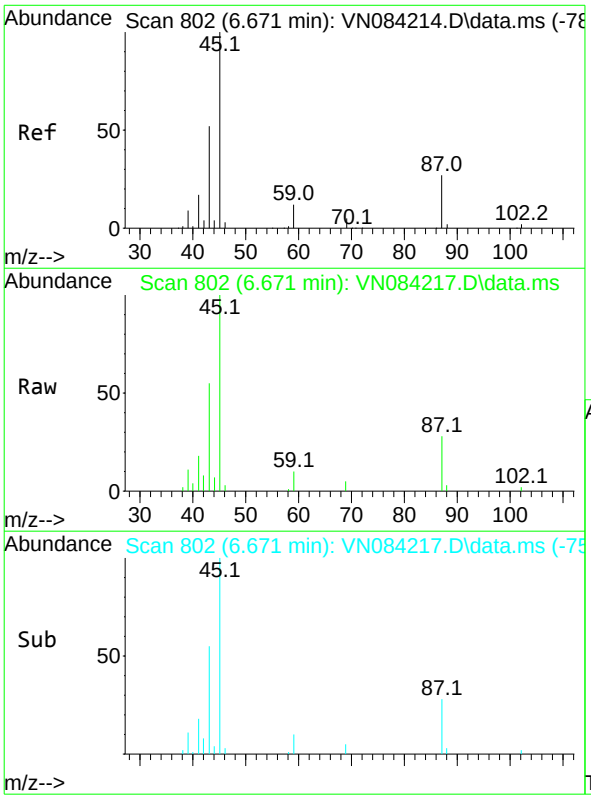
Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	67.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

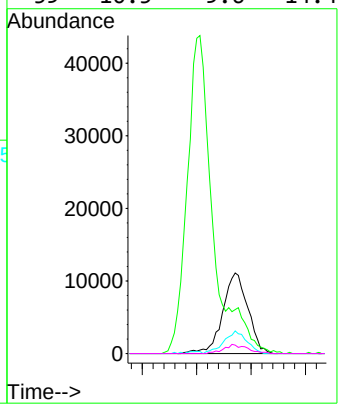
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

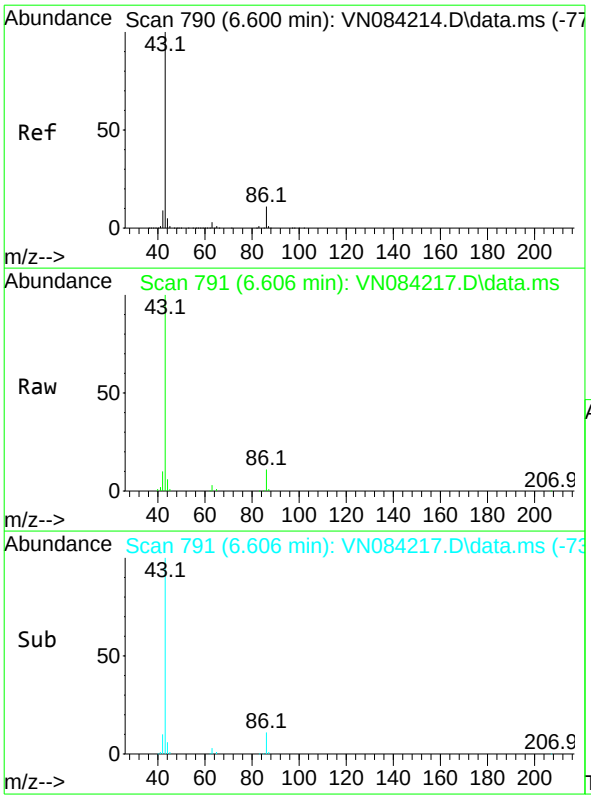


#22
Diisopropyl ether
Concen: 5.457 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

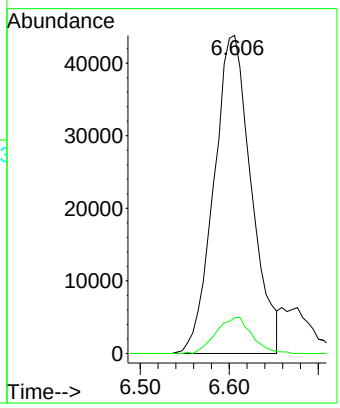




#23
Vinyl Acetate
Concen: 26.284 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 128057

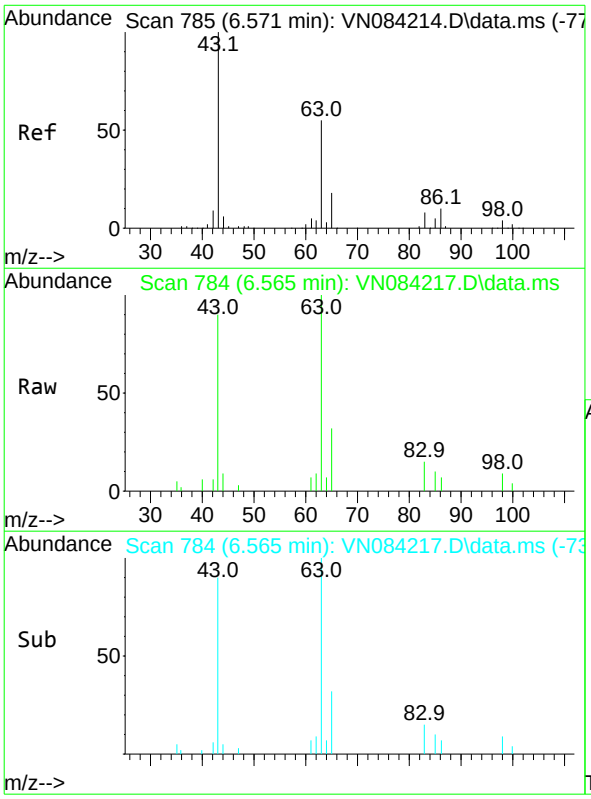
Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

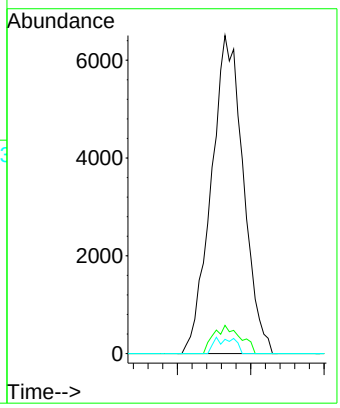
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

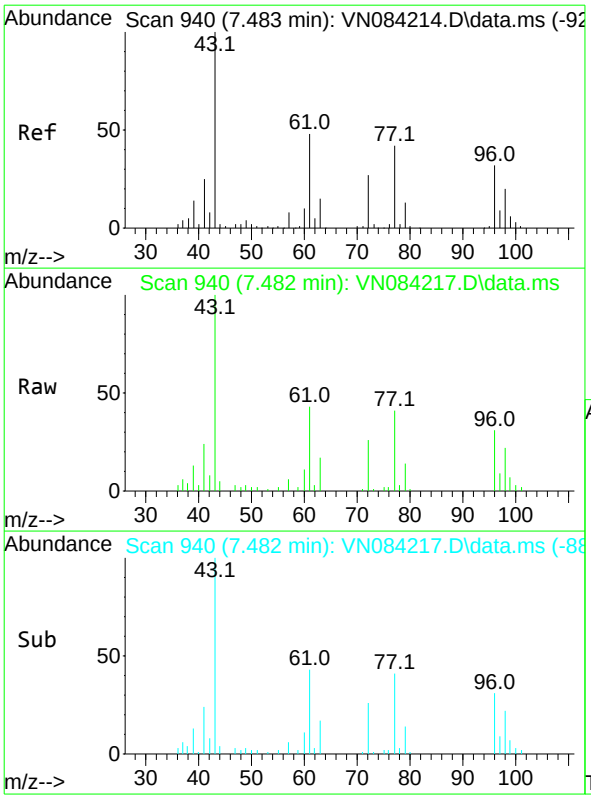


#24
1,1-Dichloroethane
Concen: 5.419 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

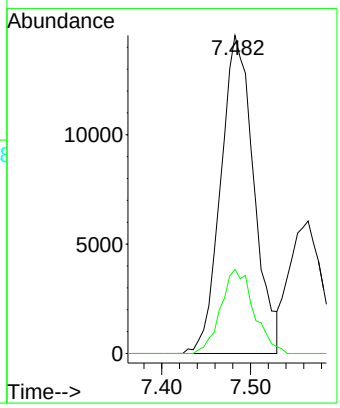




#25
2-Butanone
Concen: 26.929 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 37739

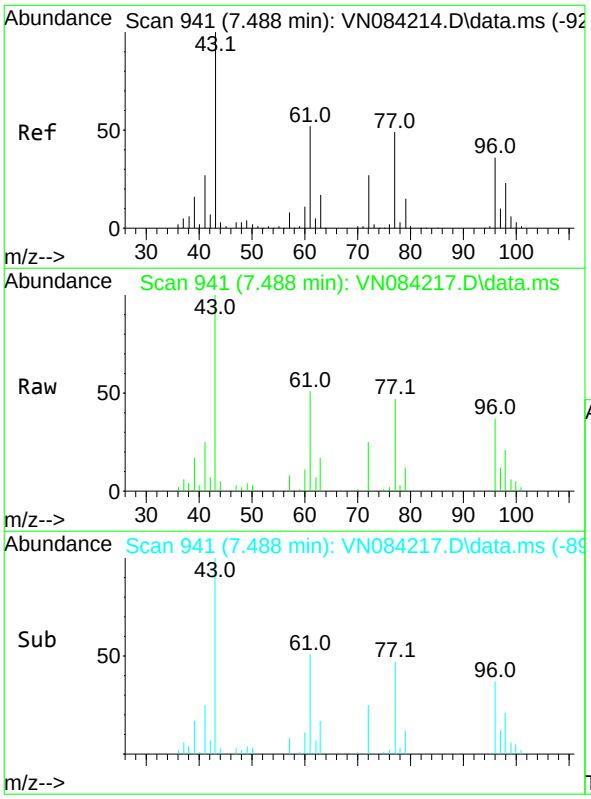
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

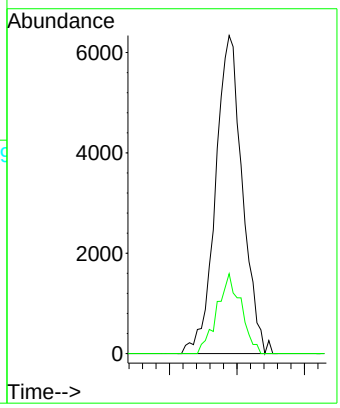
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

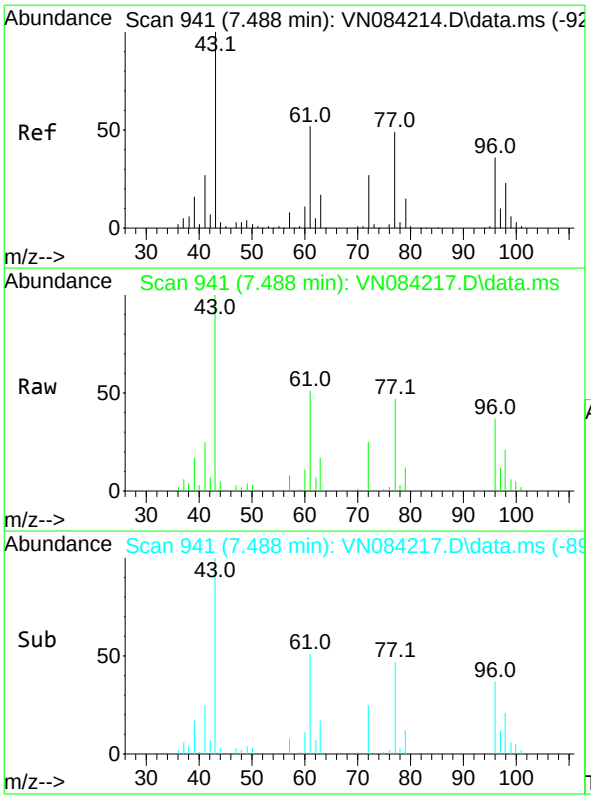


#26
2,2-Dichloropropane
Concen: 5.327 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 77 Resp: 17552

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

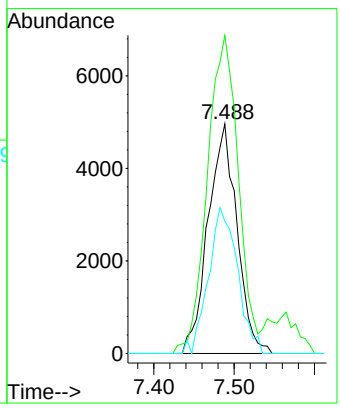




#27
cis-1,2-Dichloroethene
Concen: 5.380 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 96 Resp: 12388

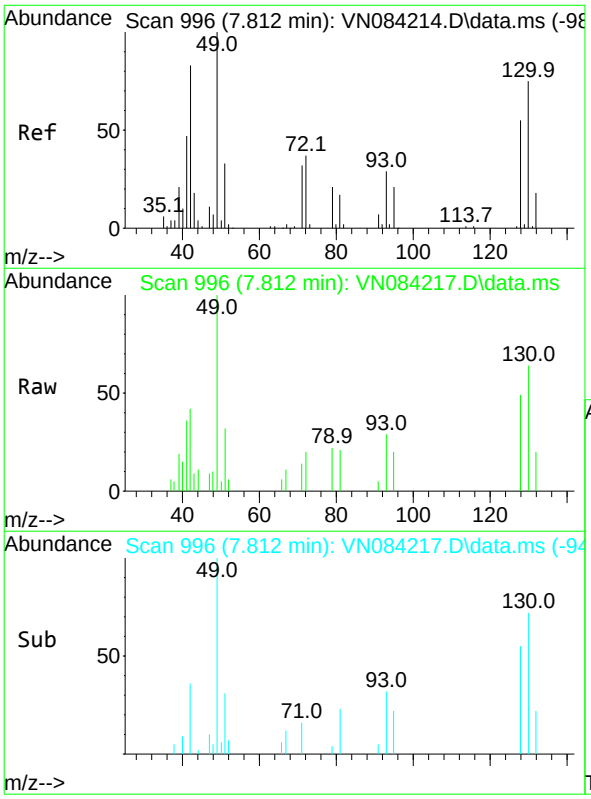
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	301.8
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

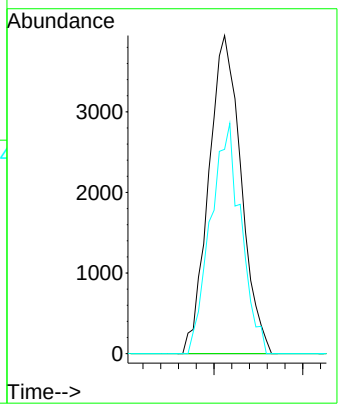
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

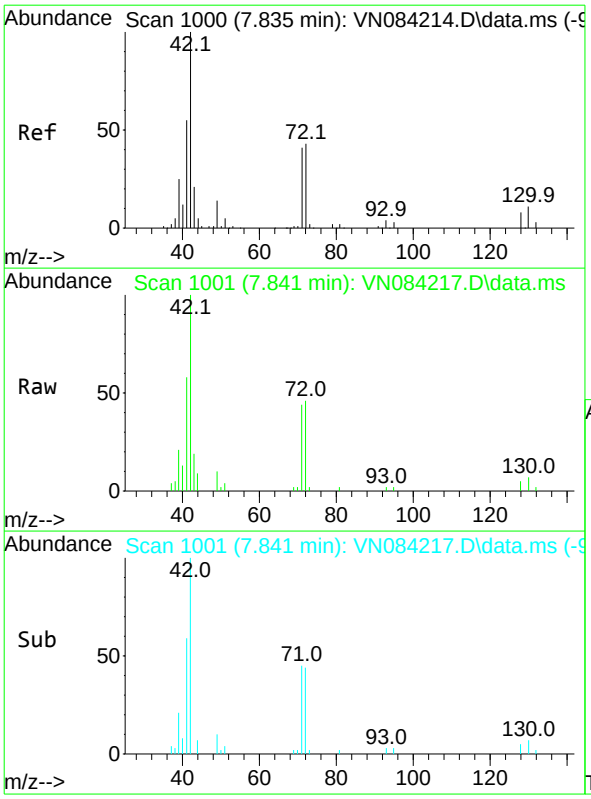


#28
Bromochloromethane
Concen: 6.131 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

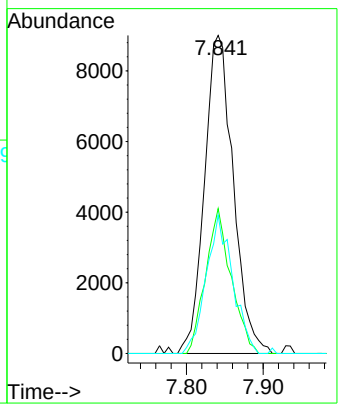




#29
Tetrahydrofuran
Concen: 27.121 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 42 Resp: 23456

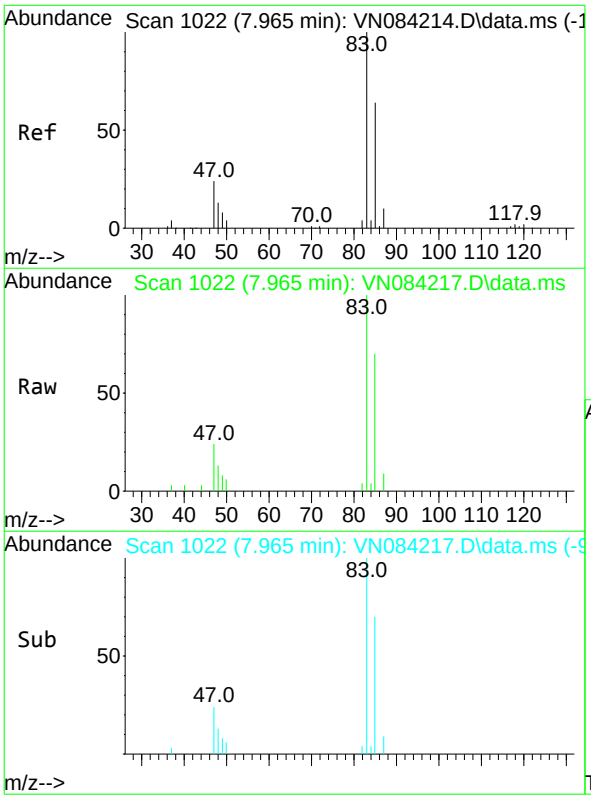
Ion	Ratio	Lower	Upper
42	100		
72	40.3	34.6	51.8
71	40.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

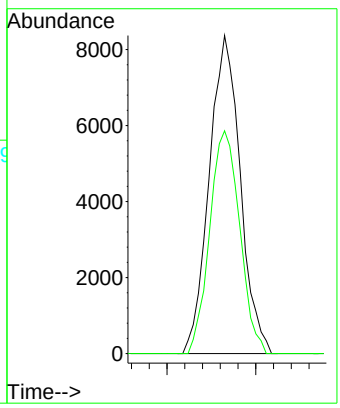
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

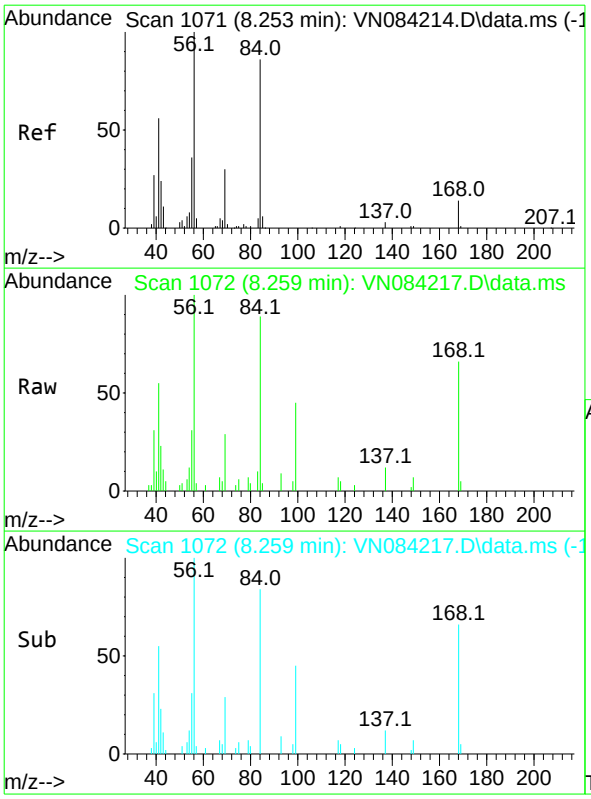


#30
Chloroform
Concen: 5.359 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 20341

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.0	76.4

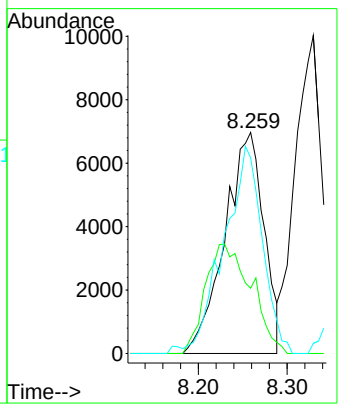




#31
Cyclohexane
Concen: 6.014 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 56 Resp: 21337

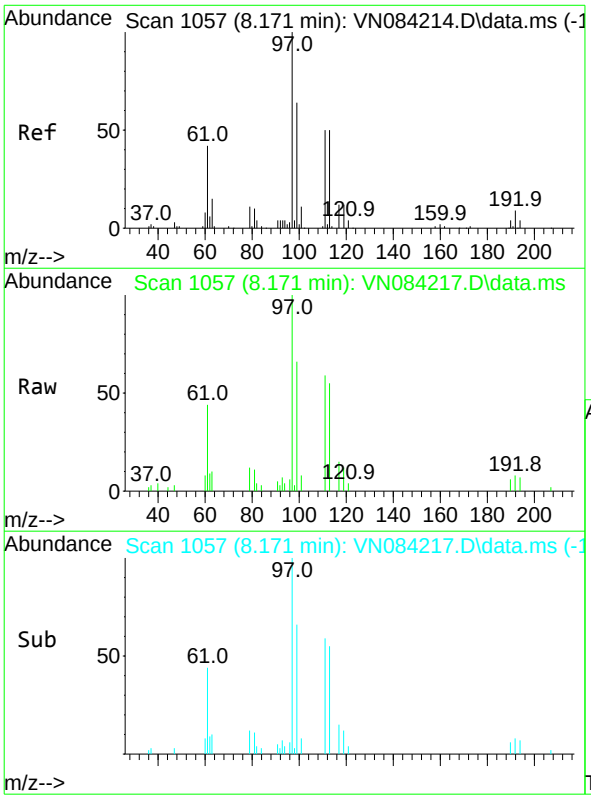
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	85.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

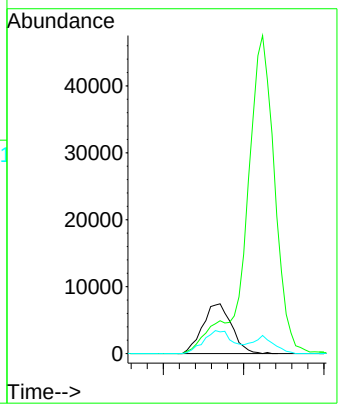
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

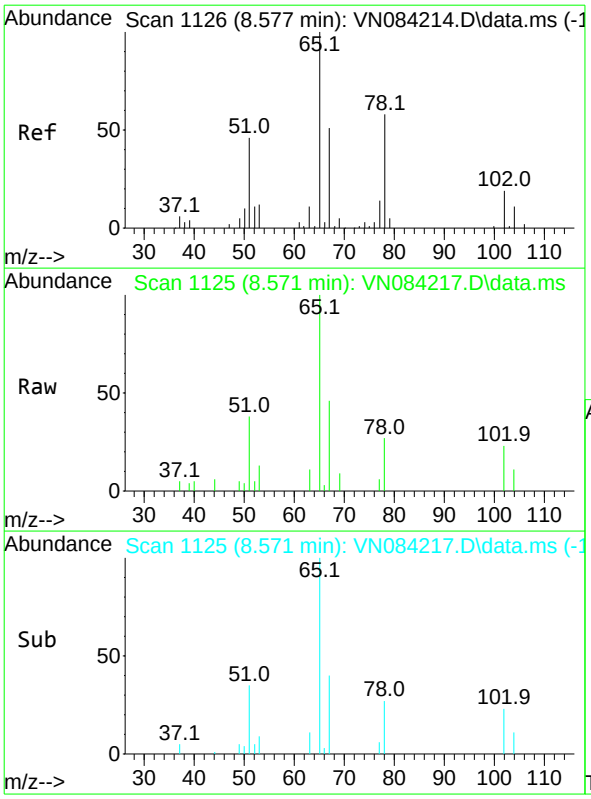


#32
1,1,1-Trichloroethane
Concen: 5.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

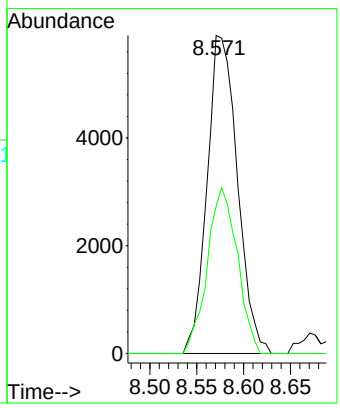




#33
1,2-Dichloroethane-d4
Concen: 5.537 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 65 Resp: 13262

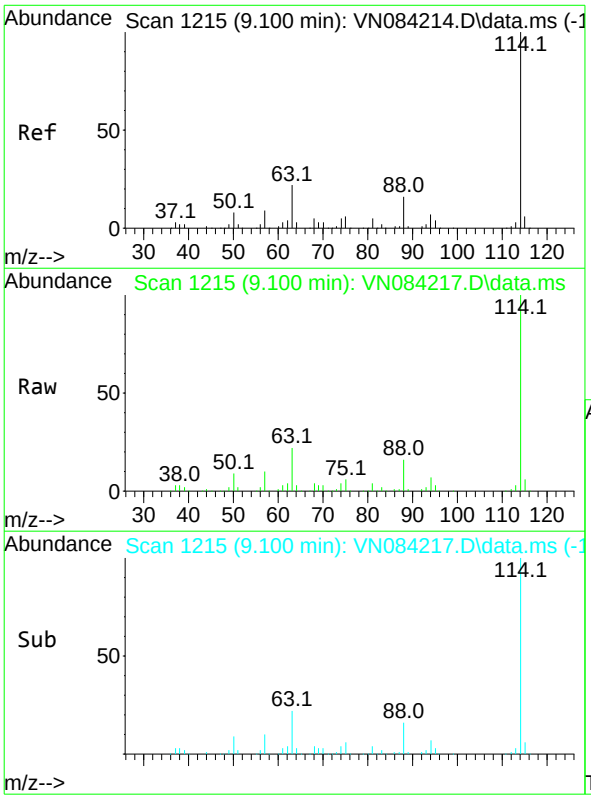
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

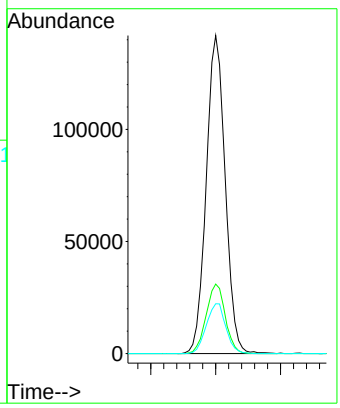
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

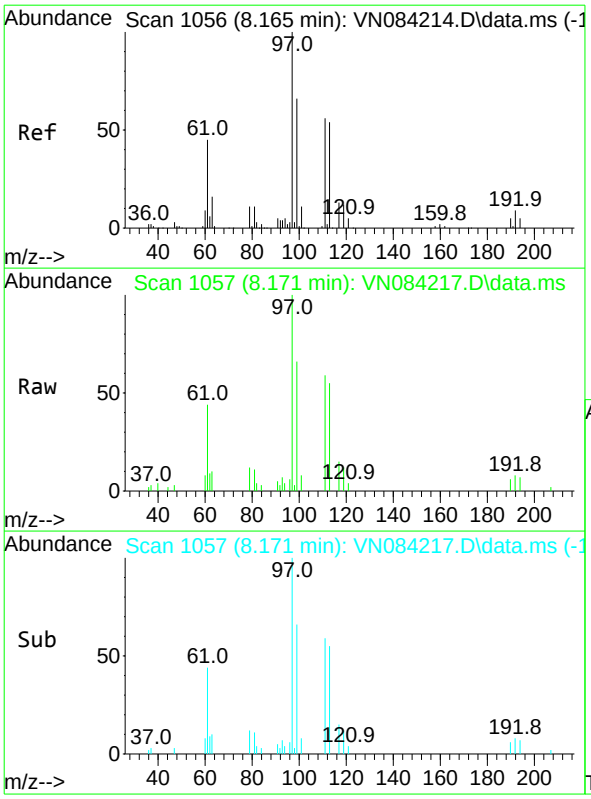


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

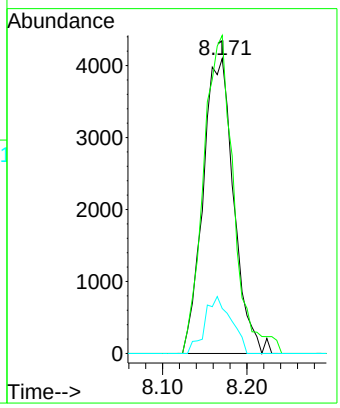




#35
Dibromofluoromethane
Concen: 5.441 ug/l
RT: 8.171 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:113 Resp: 10333

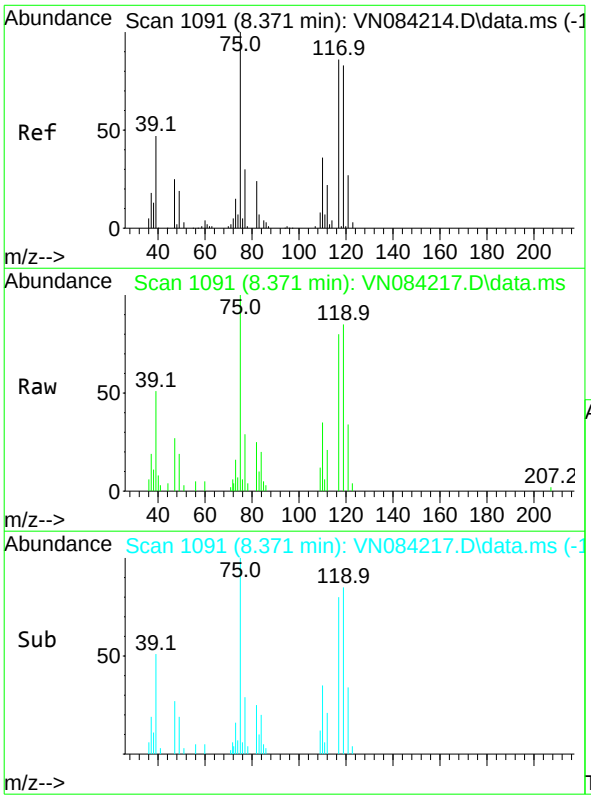
Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.3	124.9
192	16.6	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

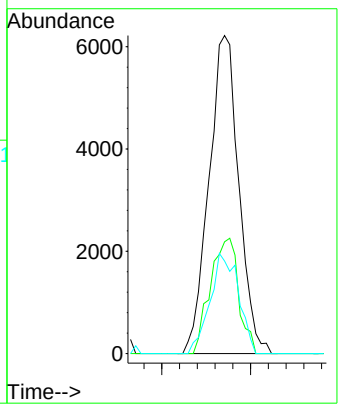
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

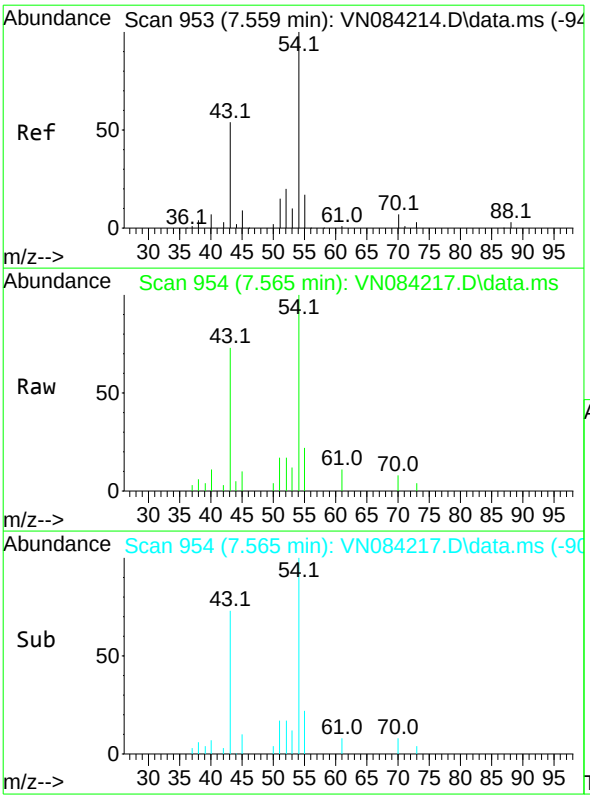


#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

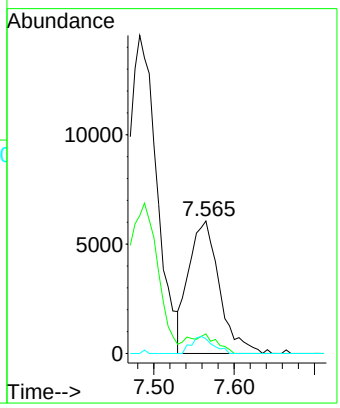




#37
Ethyl Acetate
Concen: 5.702 ug/l
RT: 7.565 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 16138

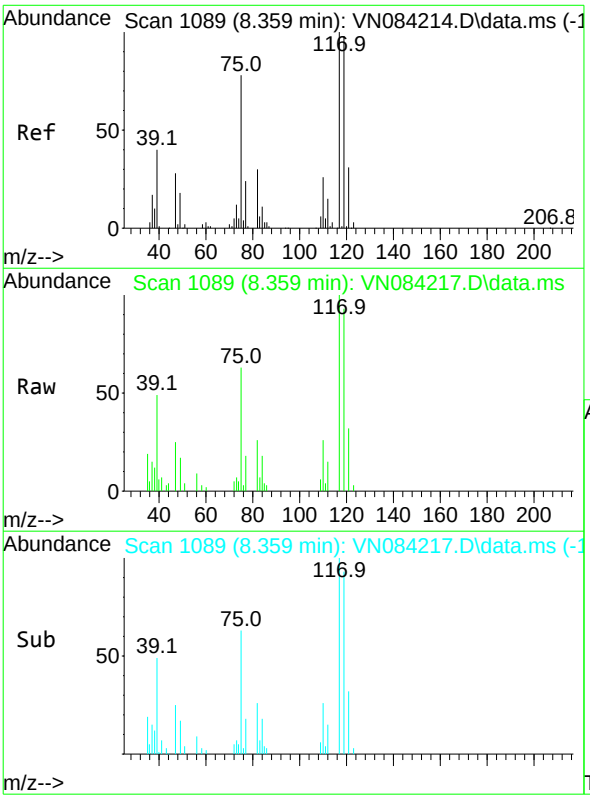
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	9.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

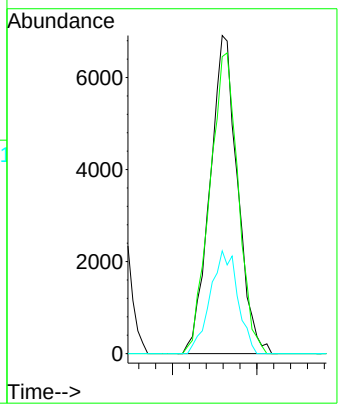
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

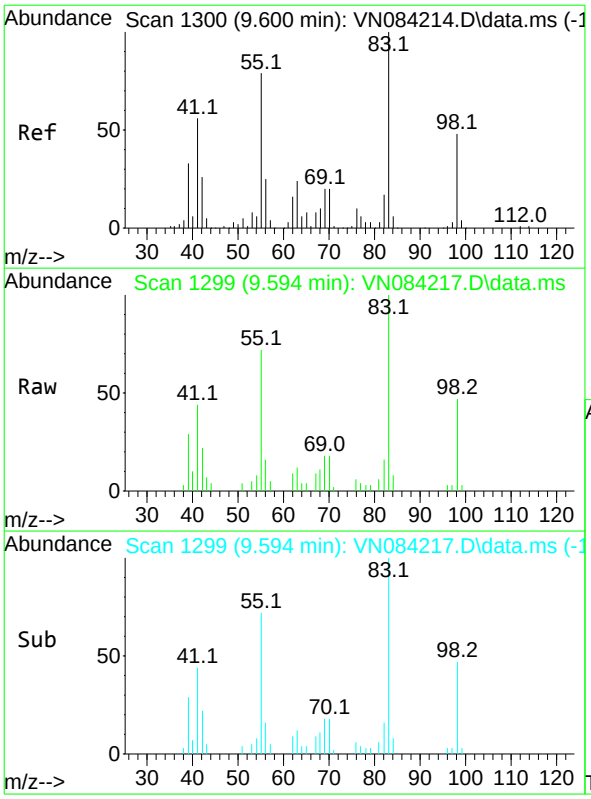


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

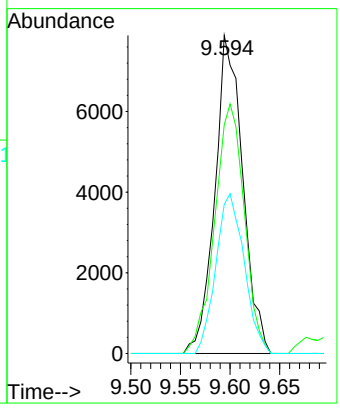




#39
Methylcyclohexane
Concen: 5.009 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 15377

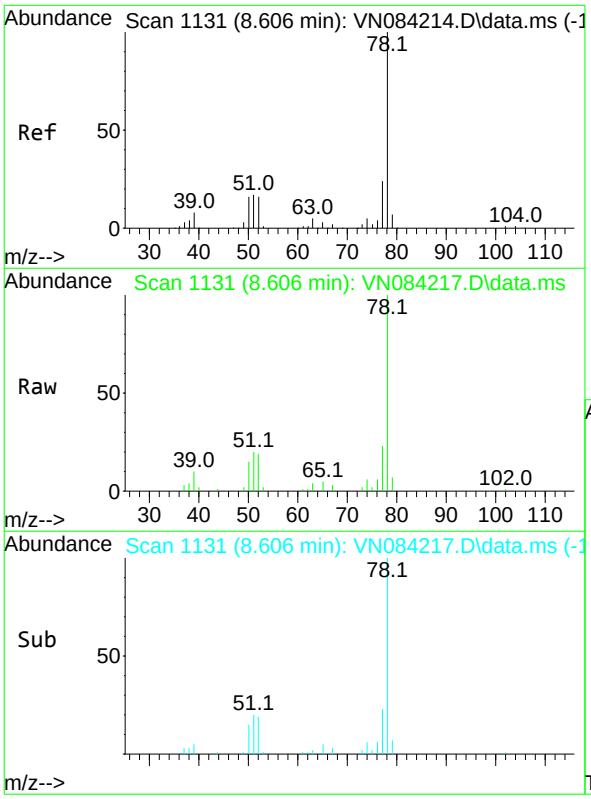
Ion	Ratio	Lower	Upper
83	100		
55	71.9	62.8	94.2
98	46.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

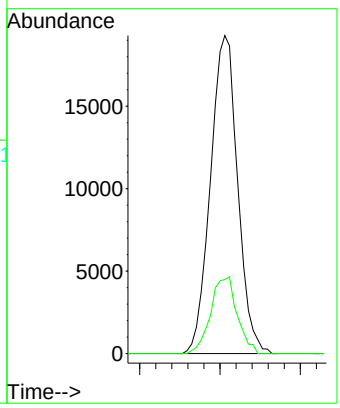
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

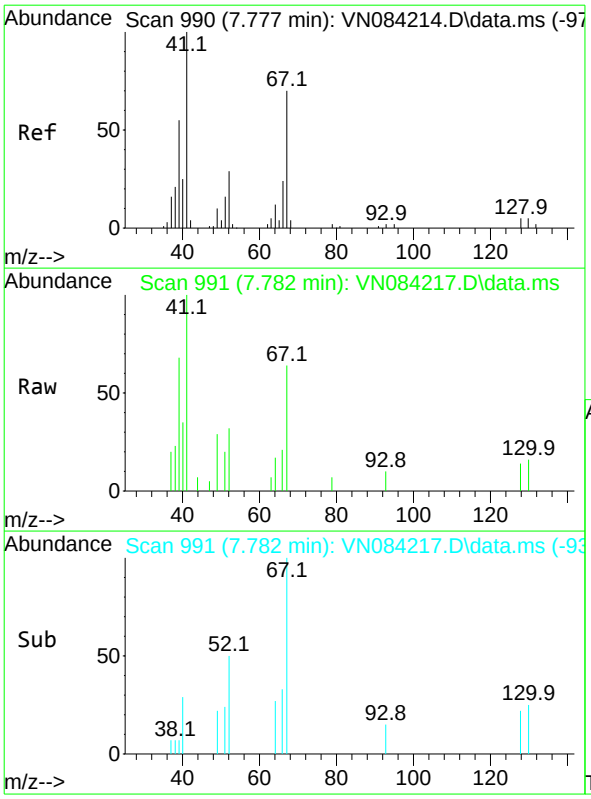


#40
Benzene
Concen: 5.276 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 78 Resp: 45343

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

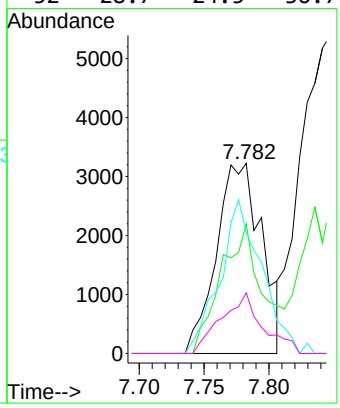




#41
Methacrylonitrile
Concen: 5.128 ug/l
RT: 7.782 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 41 Resp: 7878

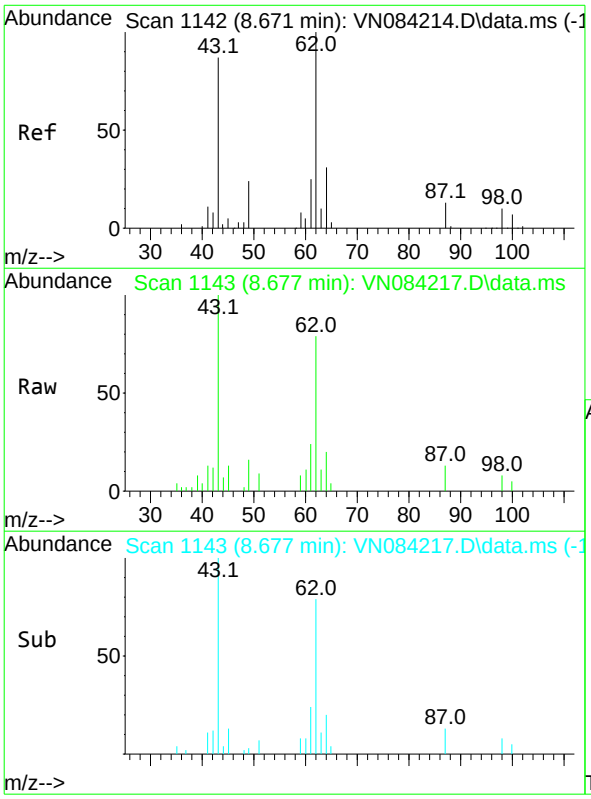
Ion	Ratio	Lower	Upper
41	100		
39	63.1	43.3	64.9
67	74.5	56.1	84.1
52	28.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

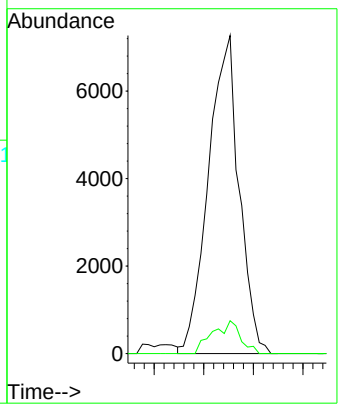
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

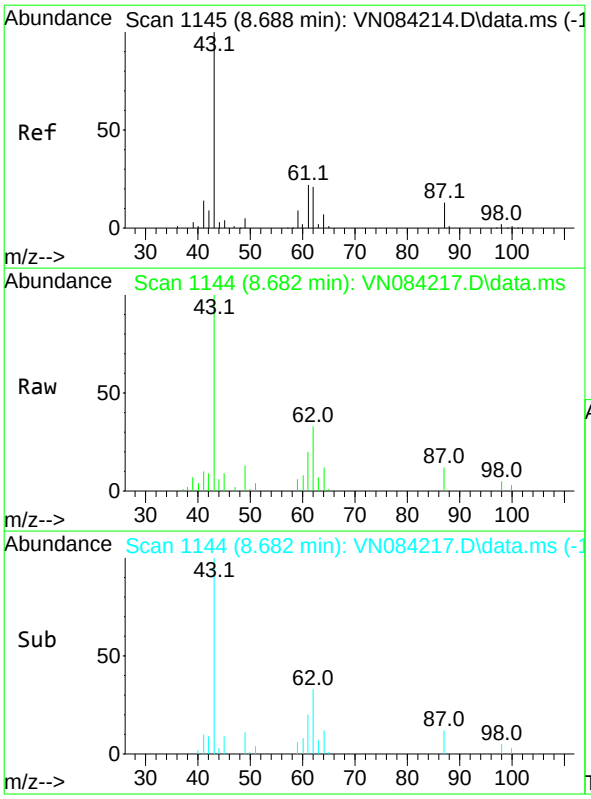


#42
1,2-Dichloroethane
Concen: 5.375 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 15661

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

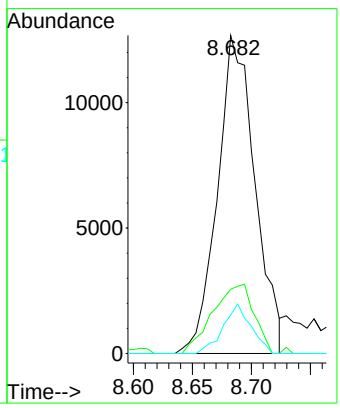




#43
Isopropyl Acetate
Concen: 5.059 ug/l m
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 28029

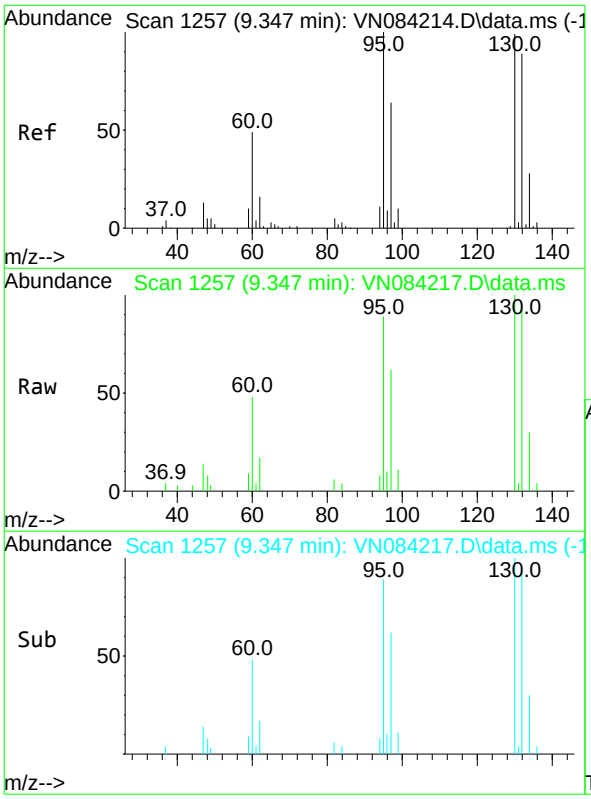
Ion	Ratio	Lower	Upper
43	100		
61	24.0	20.4	30.6
87	11.7	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

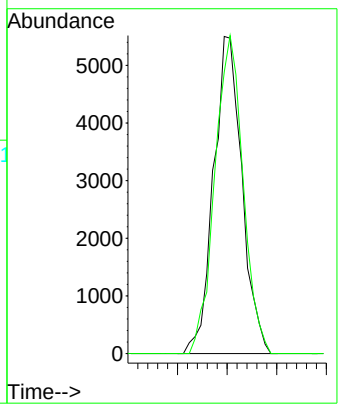
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

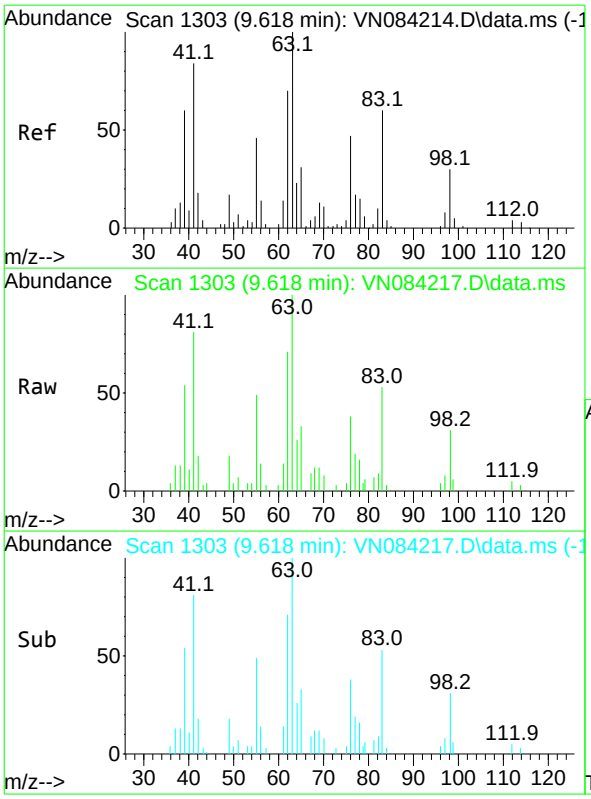


#44
Trichloroethene
Concen: 5.440 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:130 Resp: 10921

Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	203.0

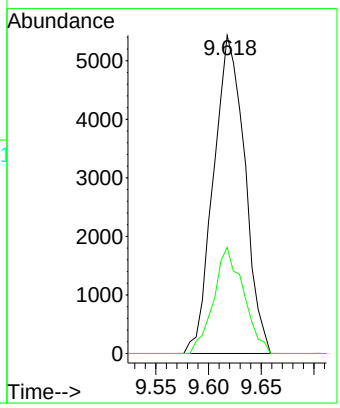




#45
1,2-Dichloropropane
Concen: 5.499 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 11181

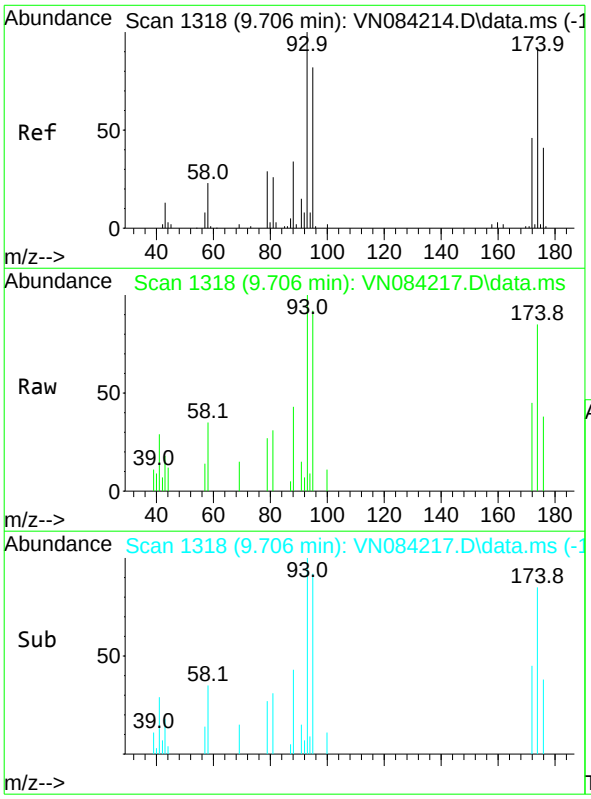
Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

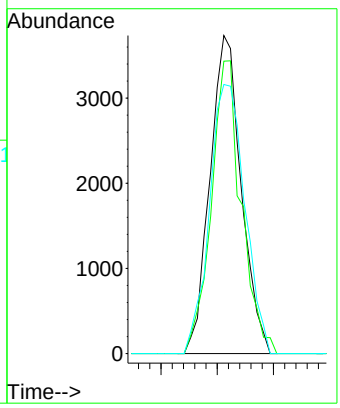
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

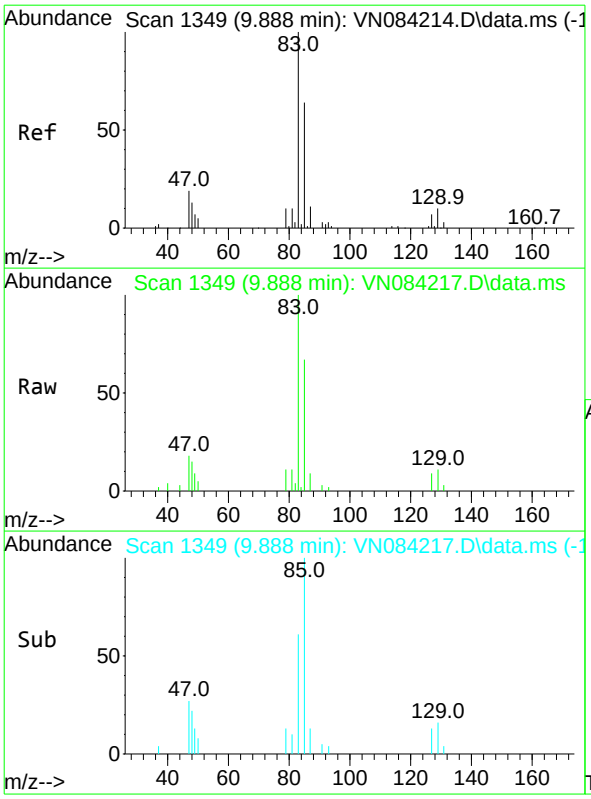


#46
Dibromomethane
Concen: 5.253 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

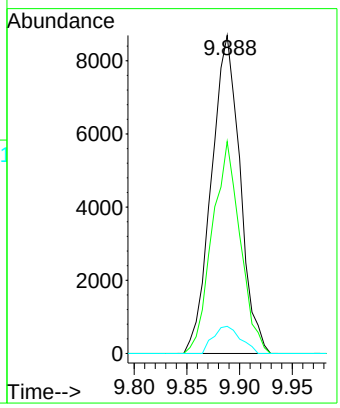




#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 16407

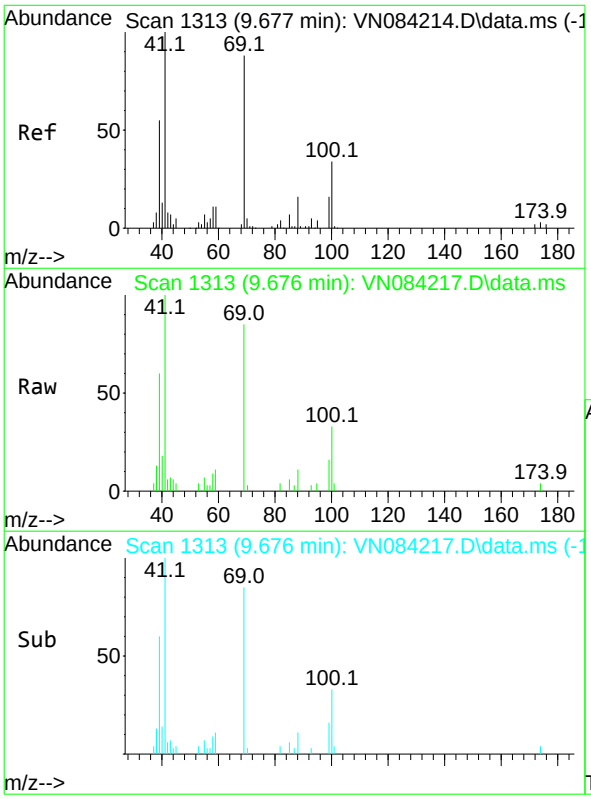
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

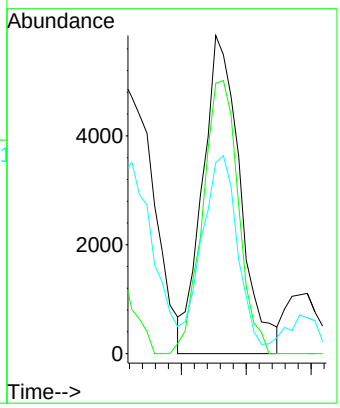
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

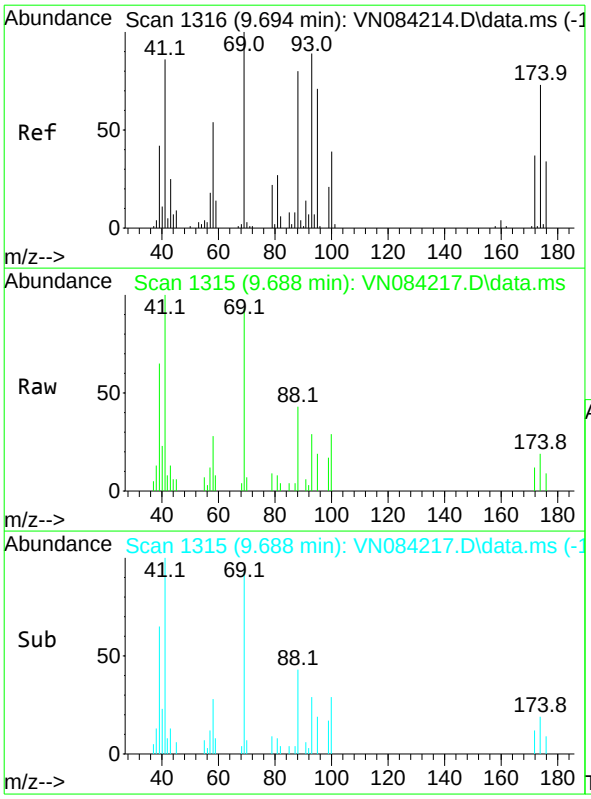


#48
Methyl methacrylate
Concen: 5.332 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

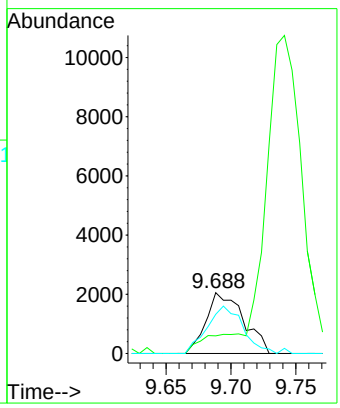




#49
1,4-Dioxane
Concen: 101.444 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 88 Resp: 4121

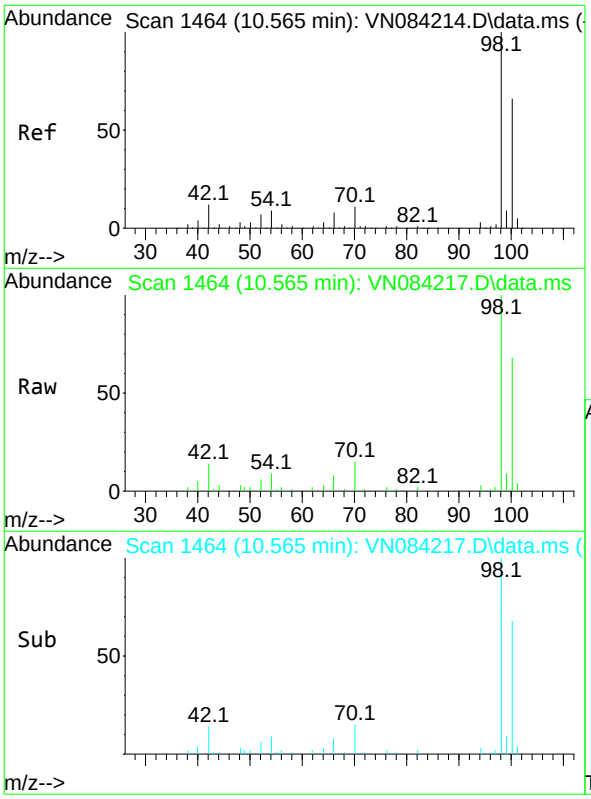
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

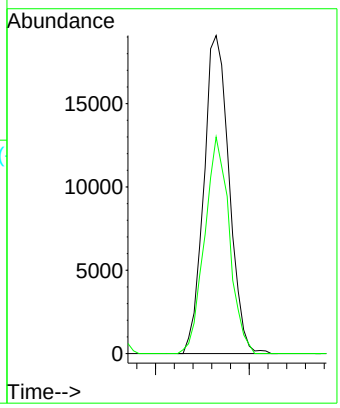
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

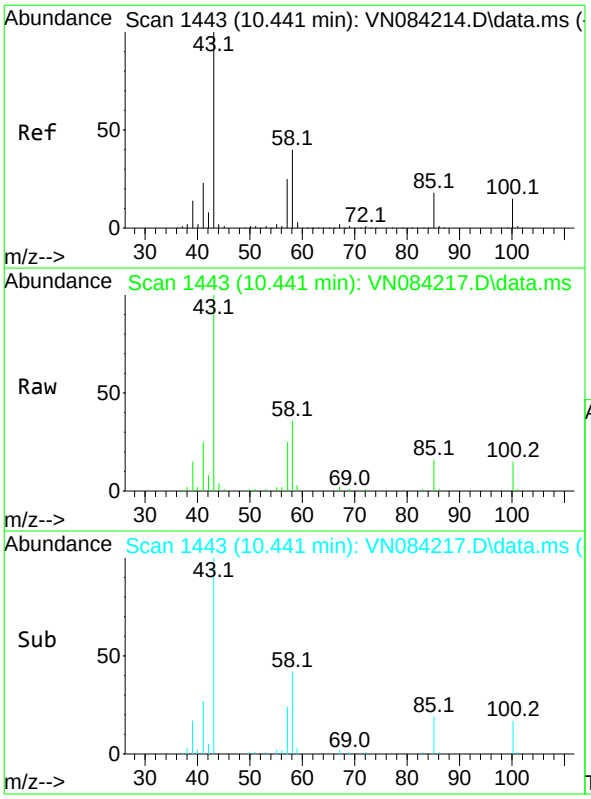


#50
Toluene-d8
Concen: 5.121 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 98 Resp: 35782

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1

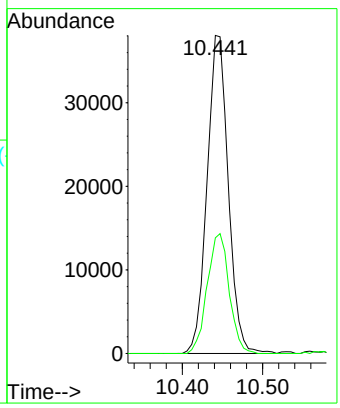




#51
4-Methyl-2-Pentanone
Concen: 25.883 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 69730

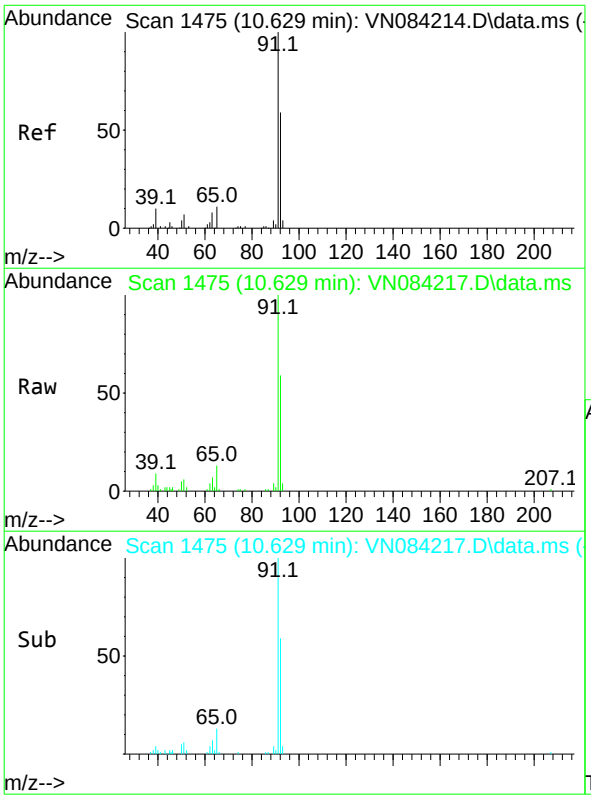
Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

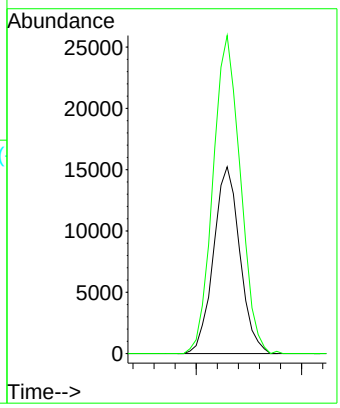
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

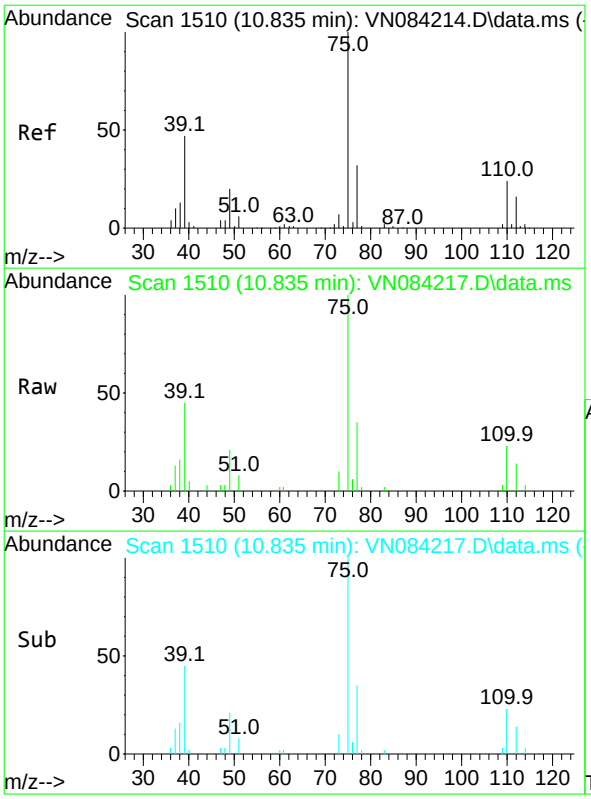


#52
Toluene
Concen: 5.054 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 92 Resp: 26489

Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.3	205.9

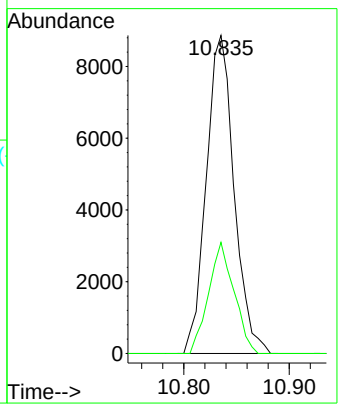




#53
t-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 16242

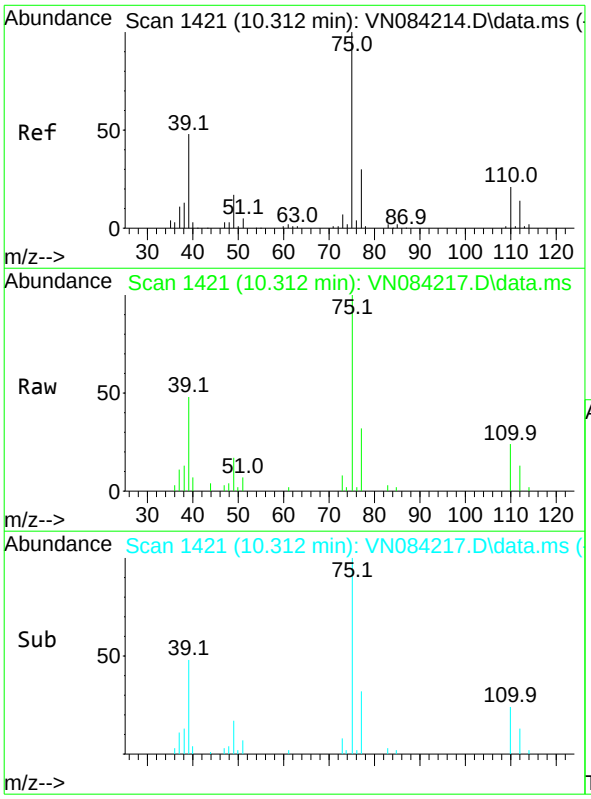
Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

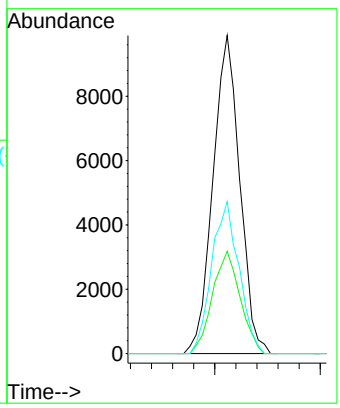
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

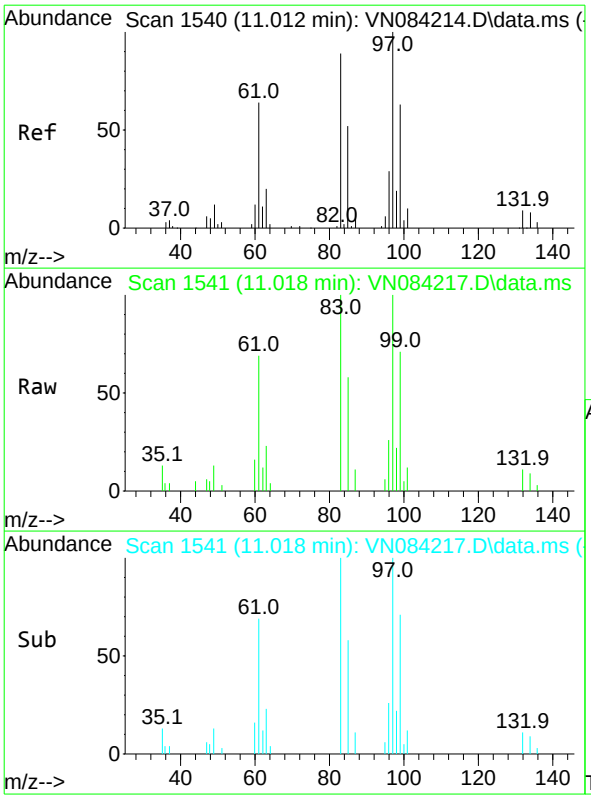


#54
cis-1,3-Dichloropropene
Concen: 5.220 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

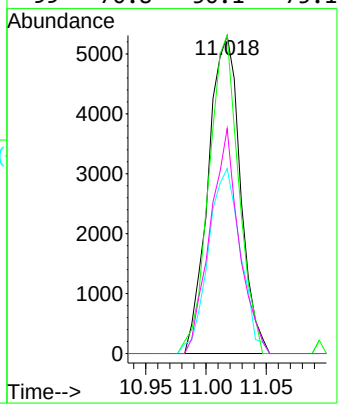




#55
1,1,2-Trichloroethane
Concen: 5.219 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 97 Resp: 9805

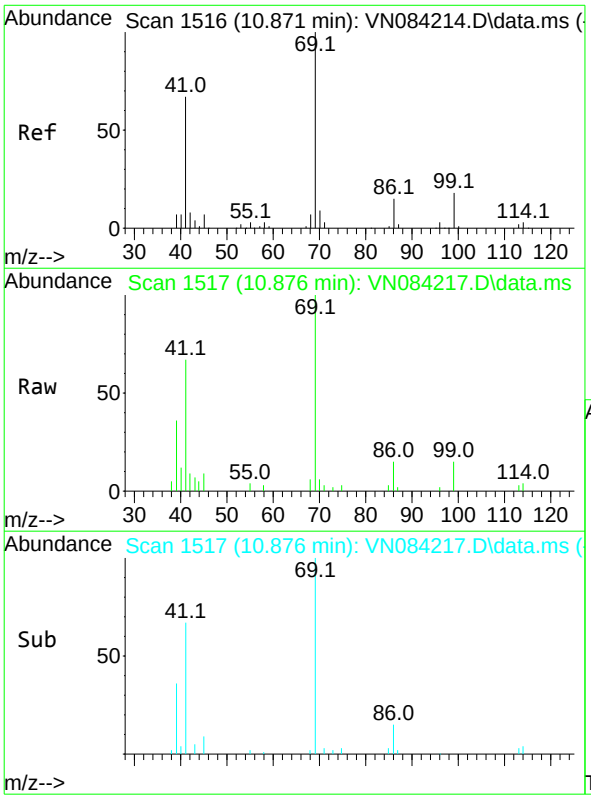
Ion	Ratio	Lower	Upper
97	100		
83	100.1	71.0	106.4
85	58.2	41.7	62.5
99	70.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

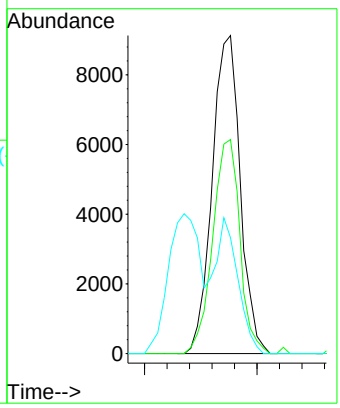
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

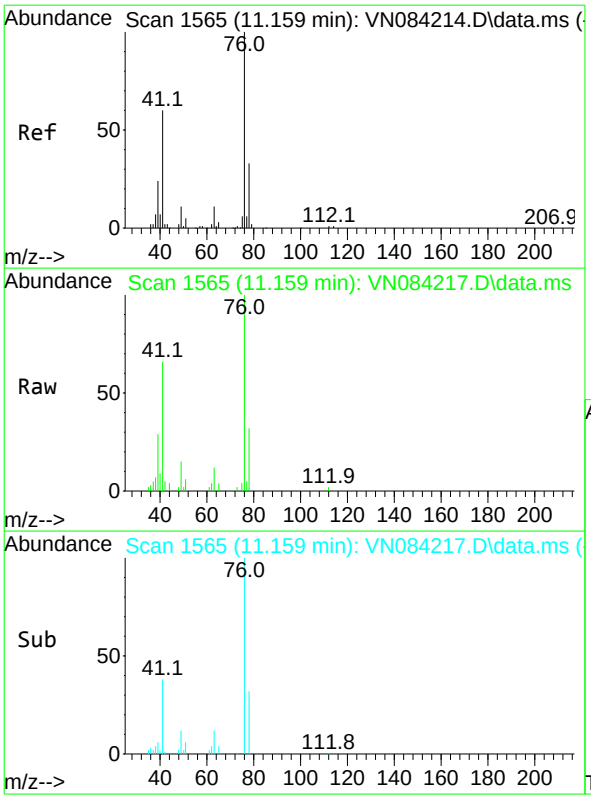


#56
Ethyl methacrylate
Concen: 5.109 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

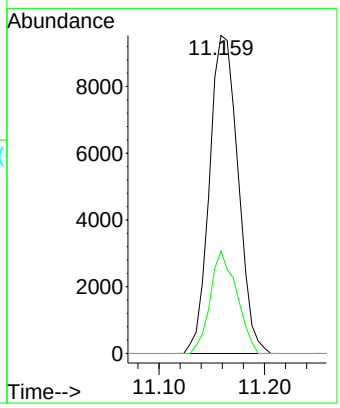




#57
1,3-Dichloropropane
Concen: 5.348 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 76 Resp: 17954

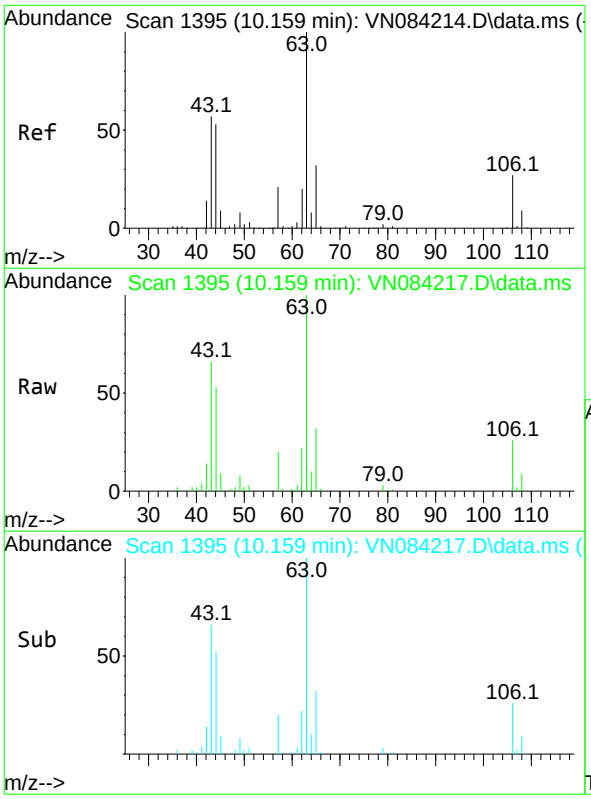
Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

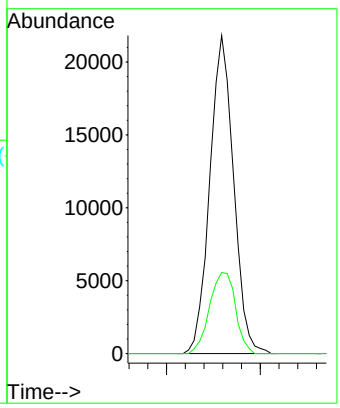
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

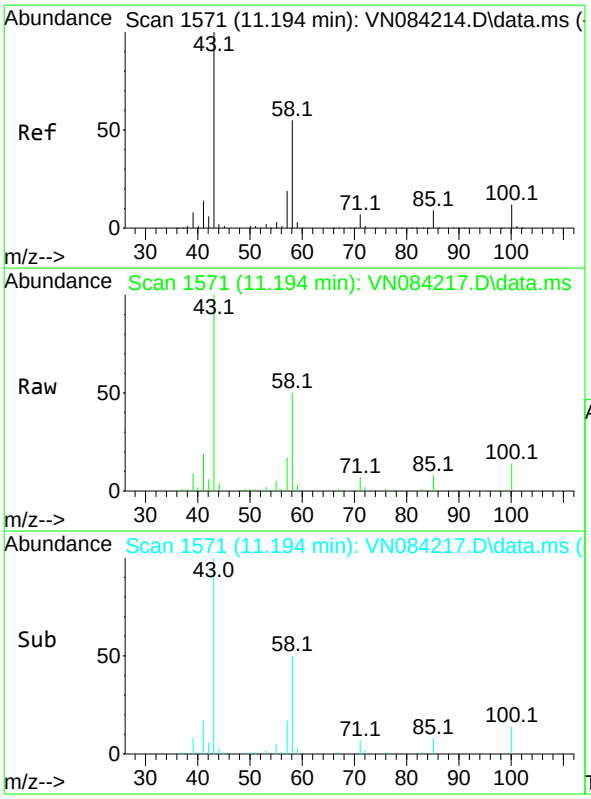


#58
2-Chloroethyl Vinyl ether
Concen: 26.787 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 38417

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6

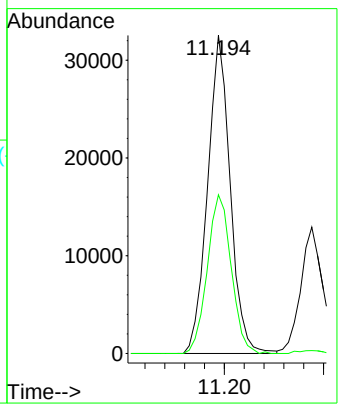




#59
2-Hexanone
Concen: 25.570 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 51488

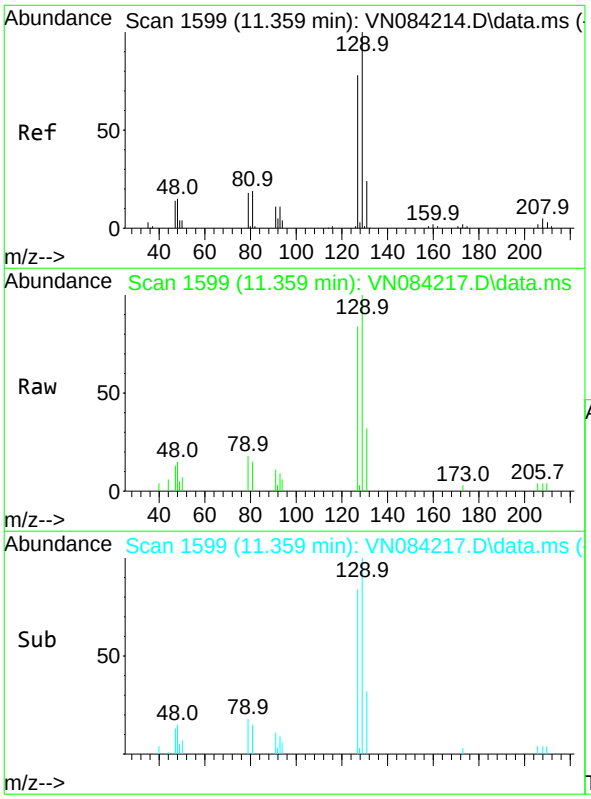
Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

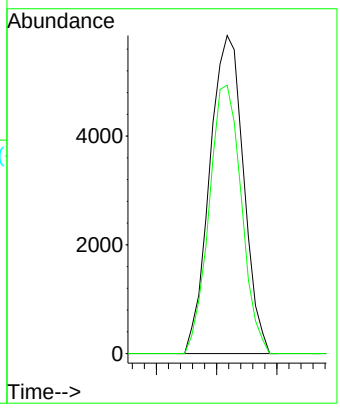
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

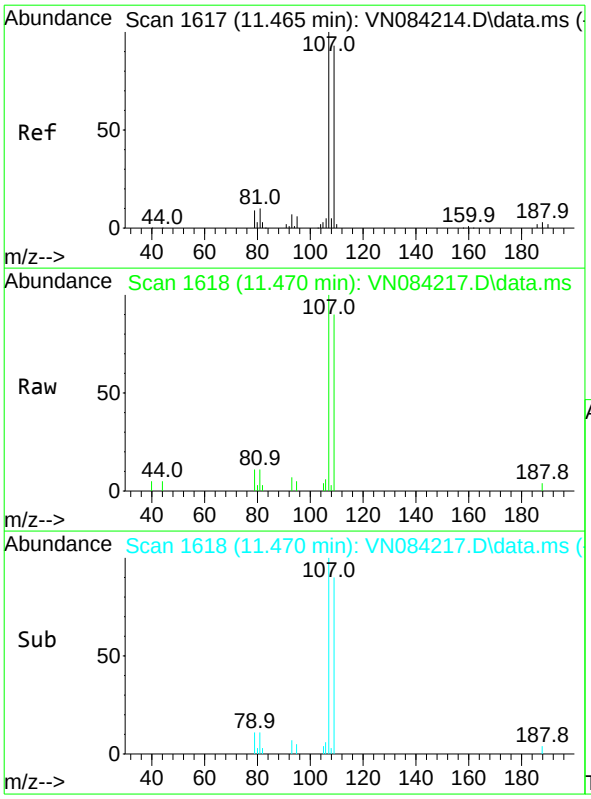


#60
Dibromochloromethane
Concen: 5.141 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:129 Resp: 11412

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.3	114.9

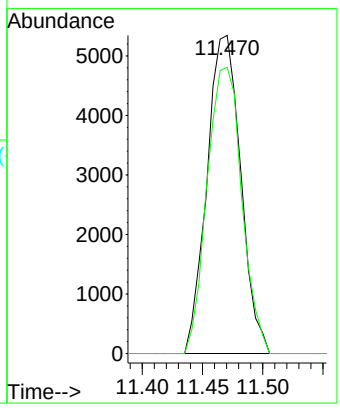




#61
1,2-Dibromoethane
Concen: 5.324 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:107 Resp: 10394

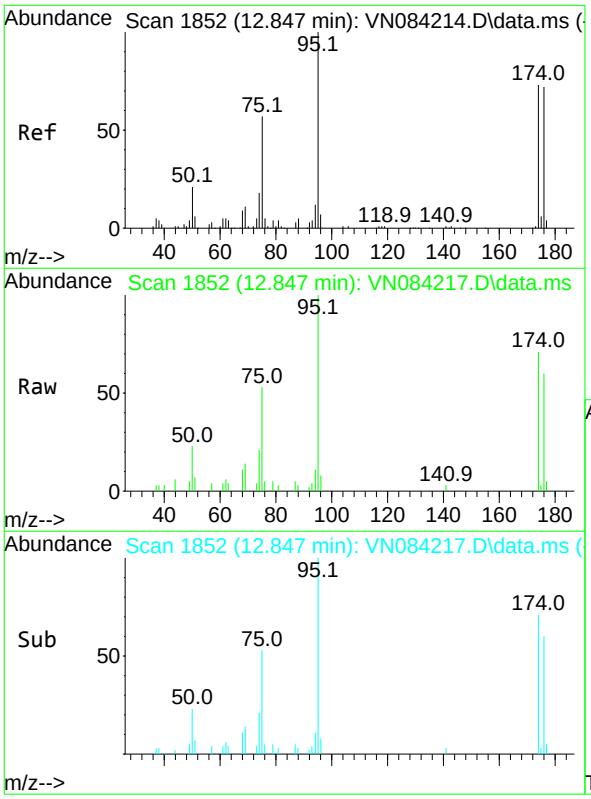
Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

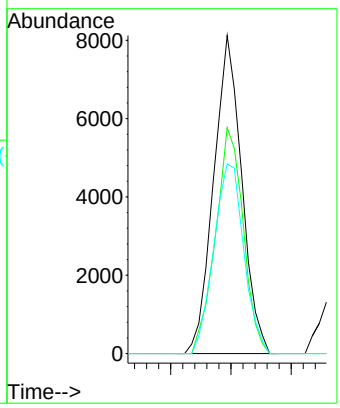
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

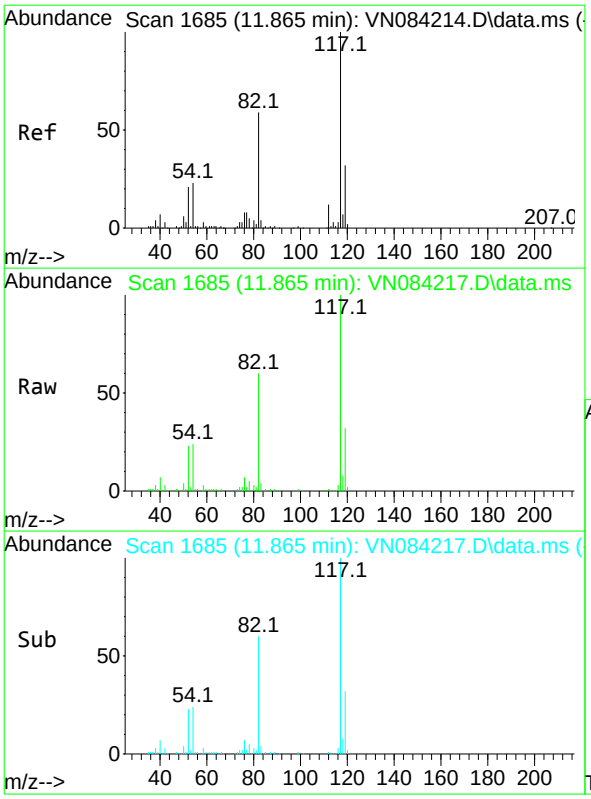


#62
4-Bromofluorobenzene
Concen: 5.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

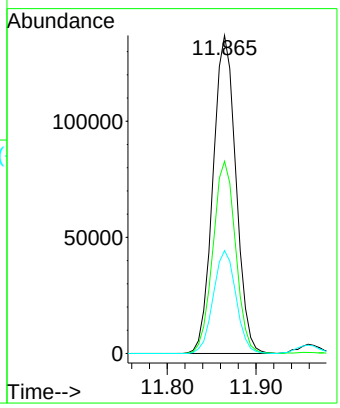




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 245710

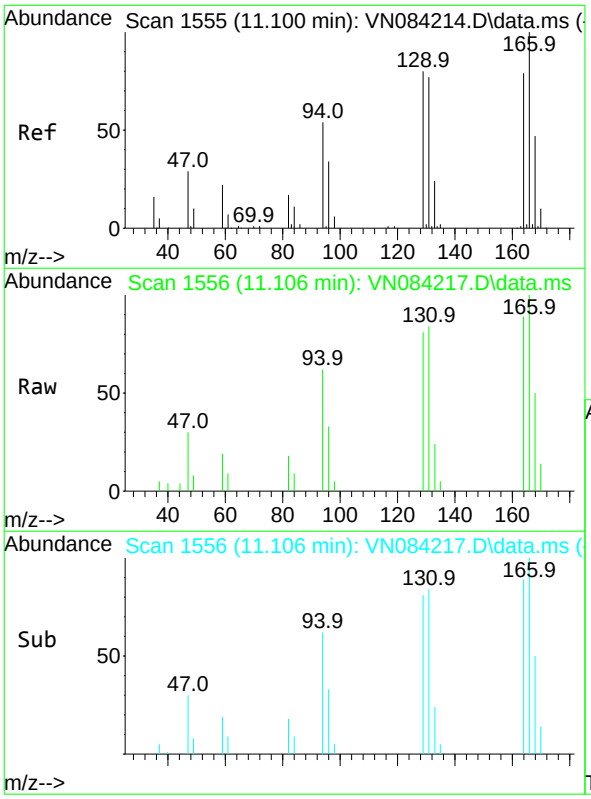
Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.2	70.8
119	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

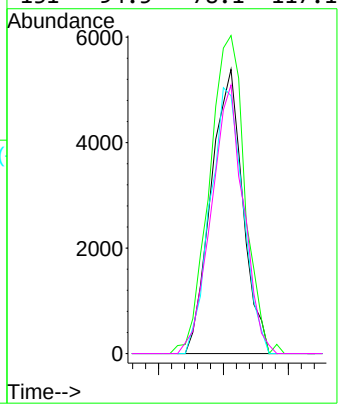
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

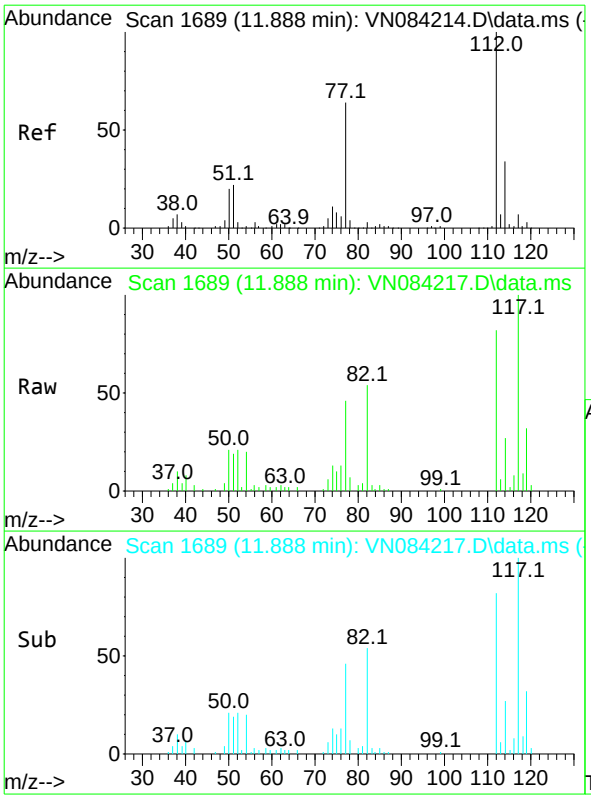


#64
Tetrachloroethene
Concen: 5.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

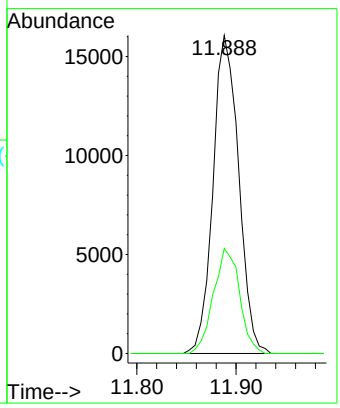




#65
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:112 Resp: 28818

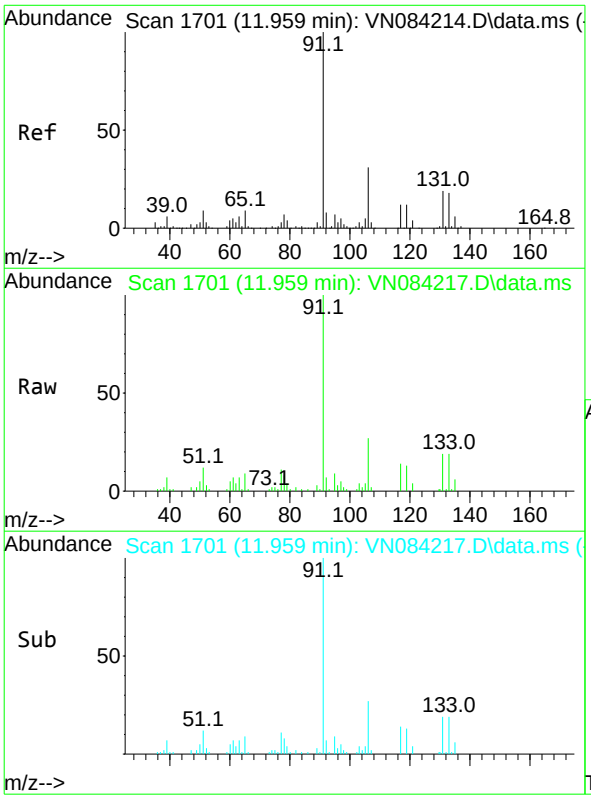
Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

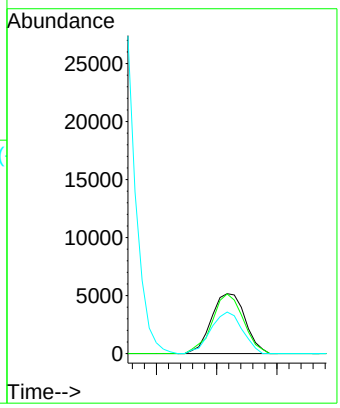
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

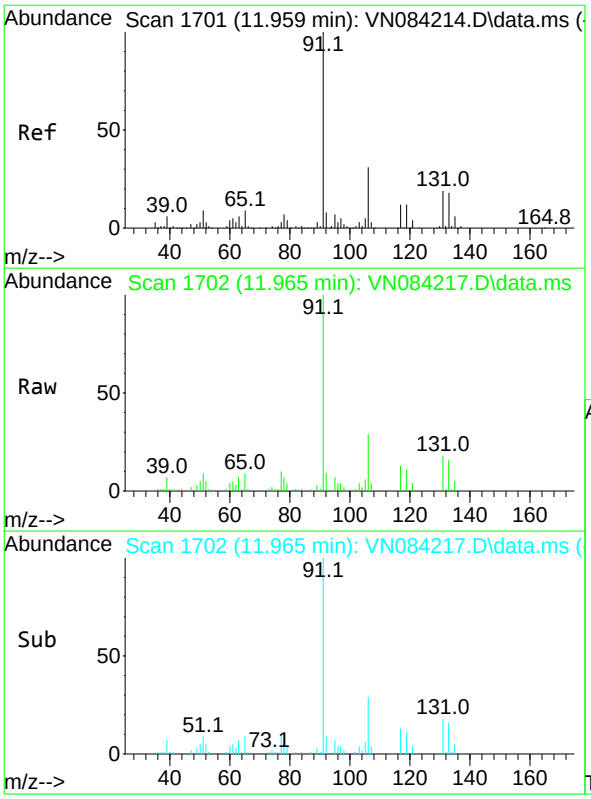


#66
1,1,1,2-Tetrachloroethane
Concen: 5.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

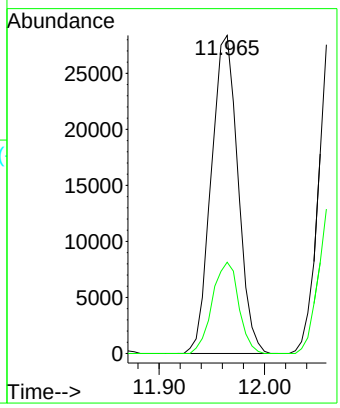




#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 49891

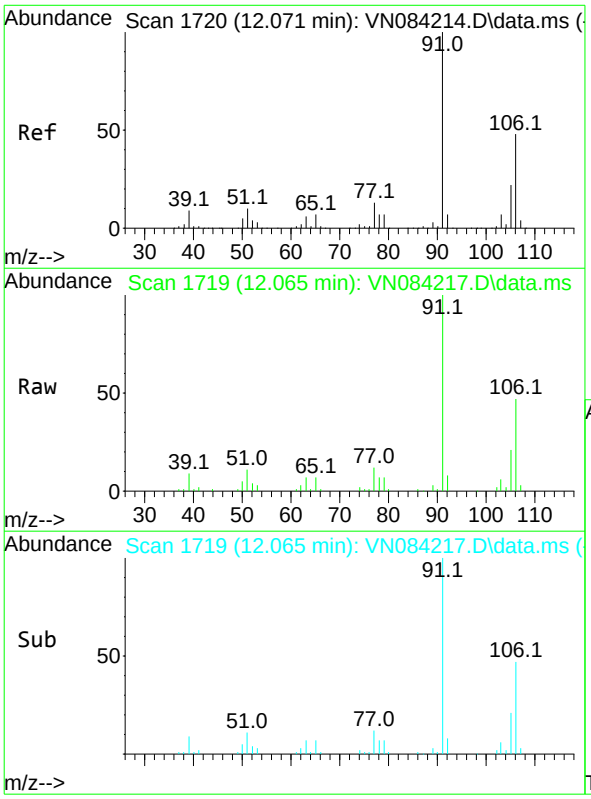
Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

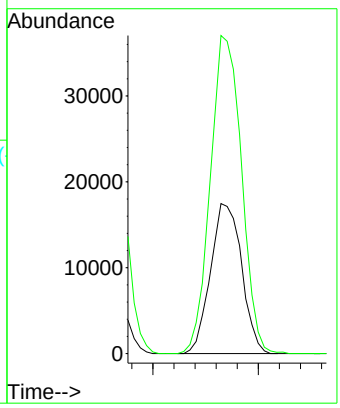
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

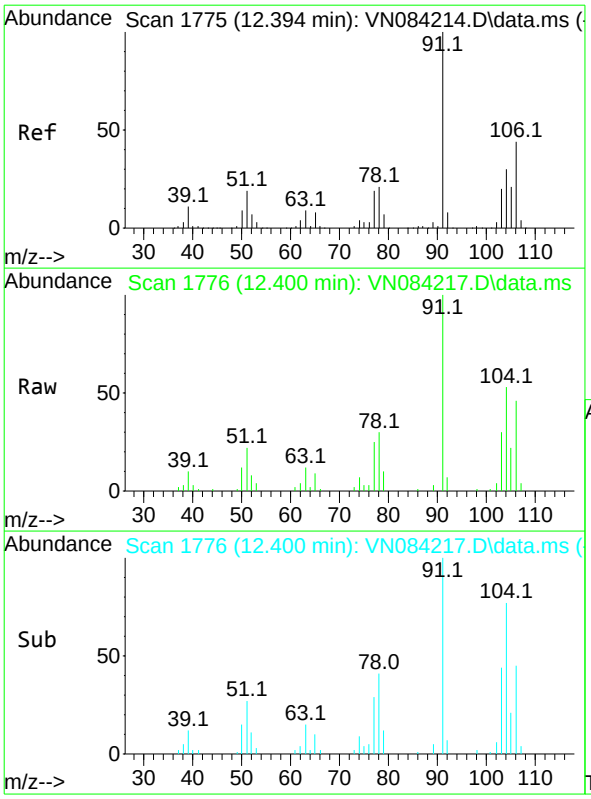


#68
m/p-Xylenes
Concen: 10.051 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 35820

Ion	Ratio	Lower	Upper
106	100		
91	212.5	167.1	250.7

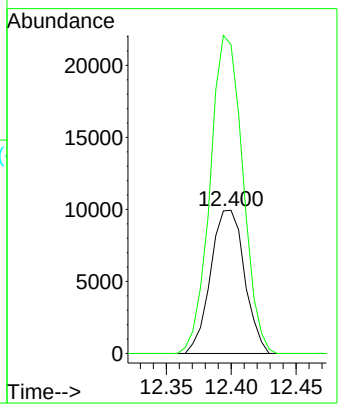




#69
o-Xylene
Concen: 5.350 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 18041

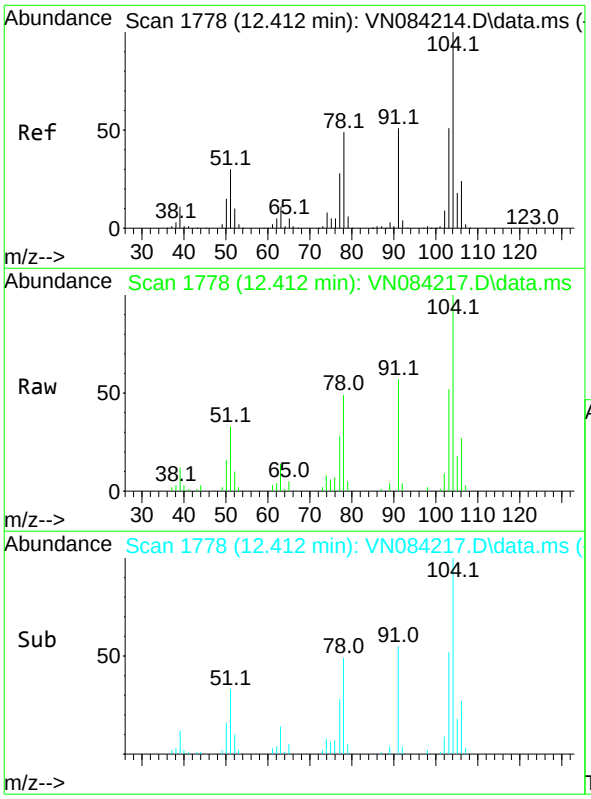
Ion	Ratio	Lower	Upper
106	100		
91	214.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

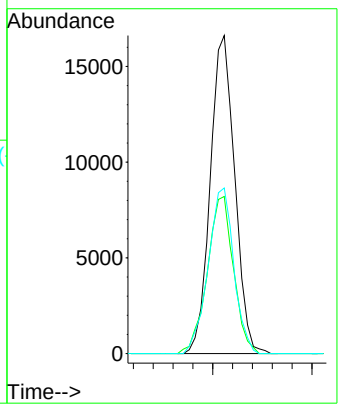
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

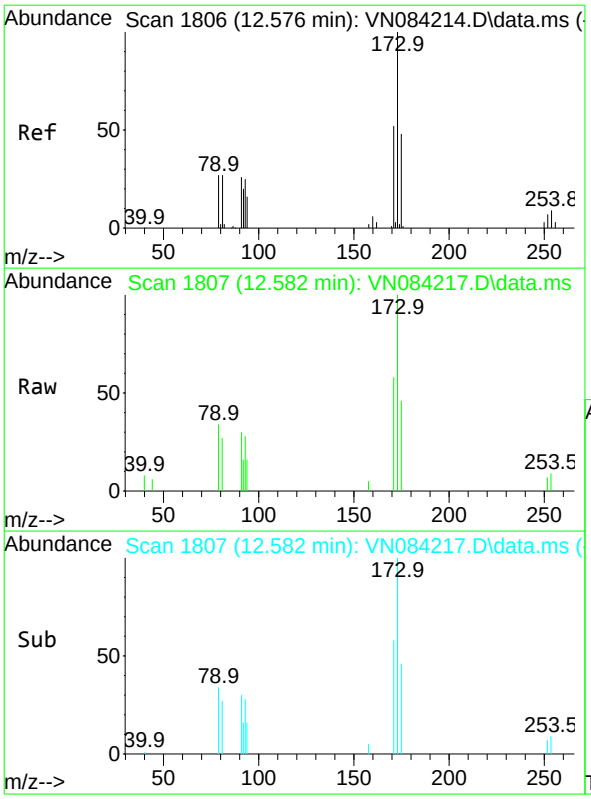


#70
Styrene
Concen: 4.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

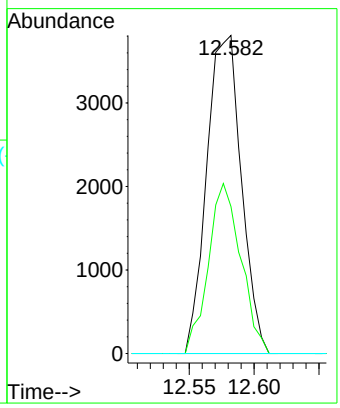




#71
Bromoform
Concen: 5.115 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:173 Resp: 7067

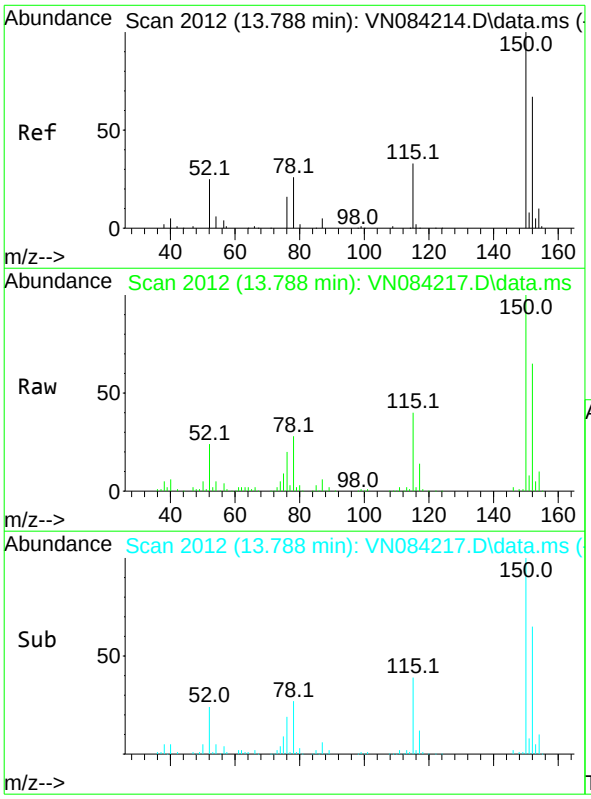
Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

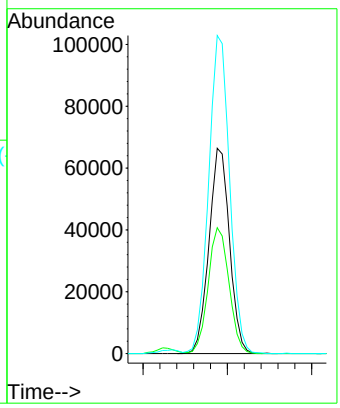
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

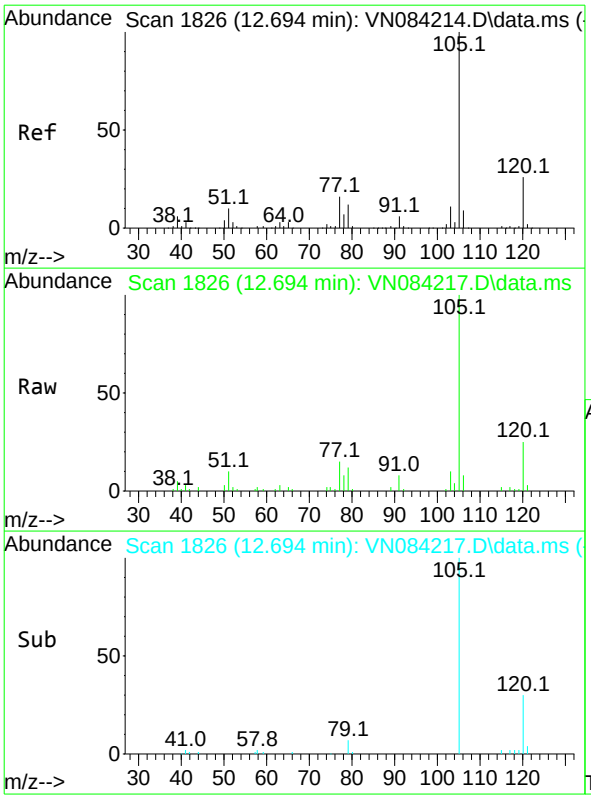


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

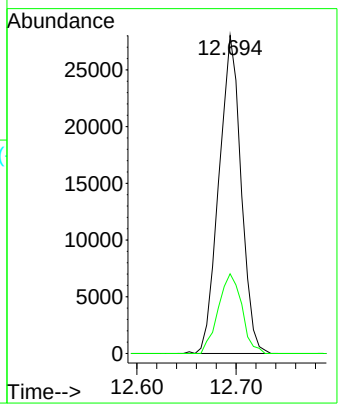




#73
Isopropylbenzene
Concen: 5.064 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 43468

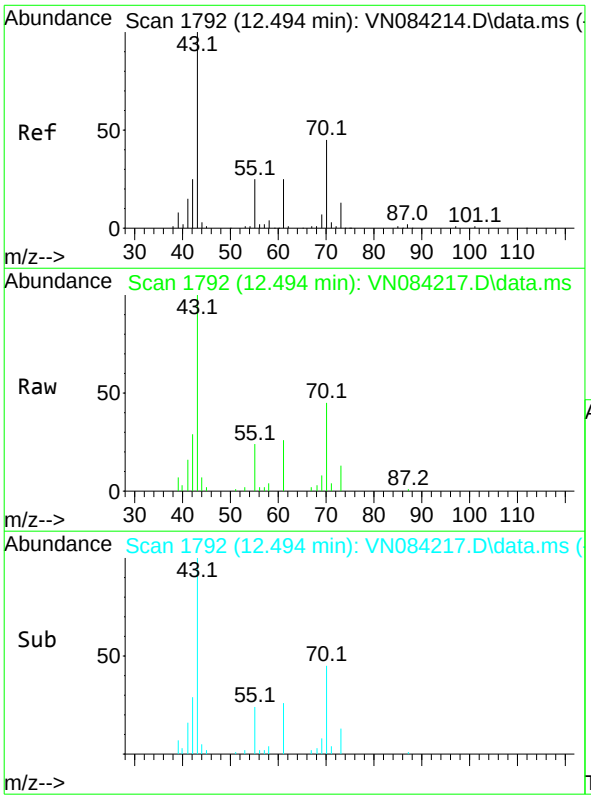
Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

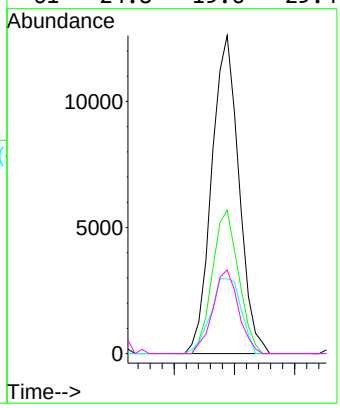
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

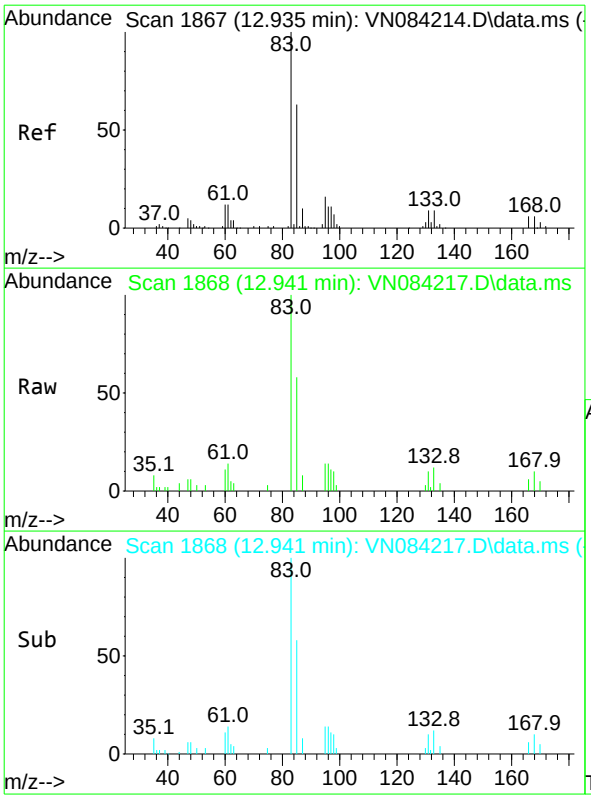


#74
N-amyl acetate
Concen: 5.087 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

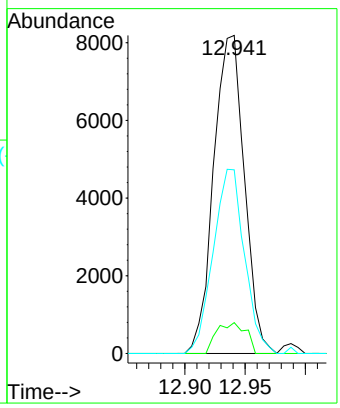




#75
1,1,2,2-Tetrachloroethane
Concen: 5.624 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 14517

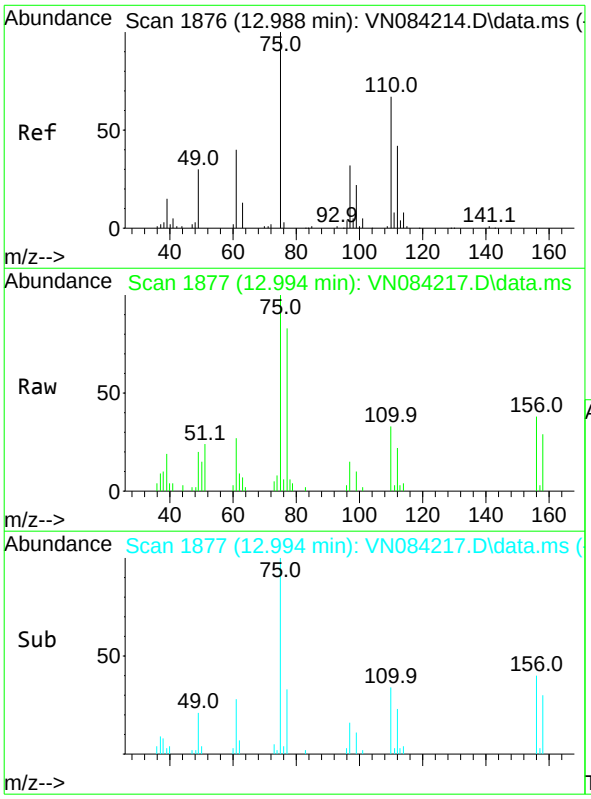
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	59.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

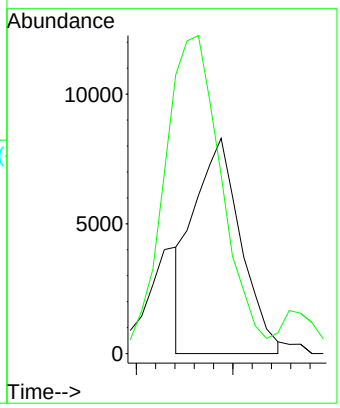
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

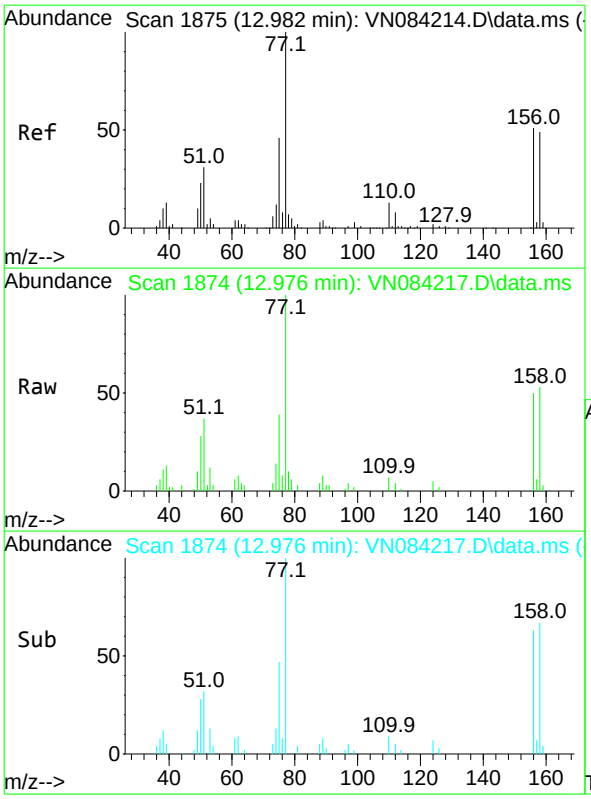


#76
1,2,3-Trichloropropane
Concen: 6.276 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 14072

Ion	Ratio	Lower	Upper
75	100		
77	180.3	96.9	290.7

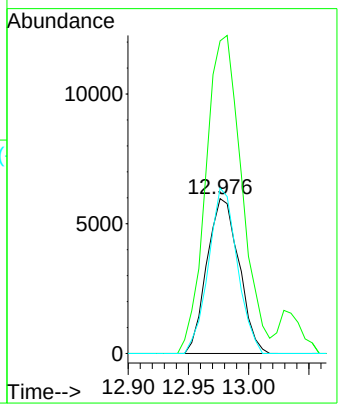




#77
Bromobenzene
Concen: 5.336 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:156 Resp: 11049

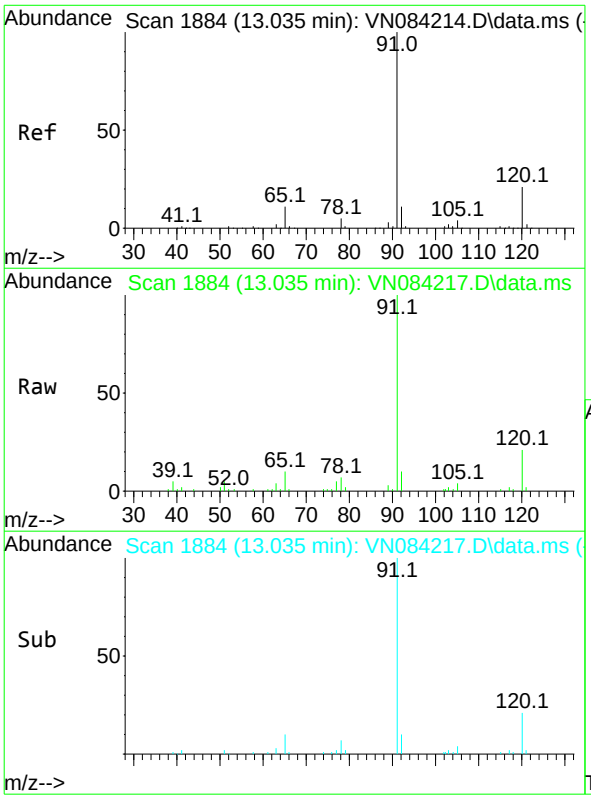
Ion	Ratio	Lower	Upper
156	100		
77	229.7	115.1	345.3
158	96.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

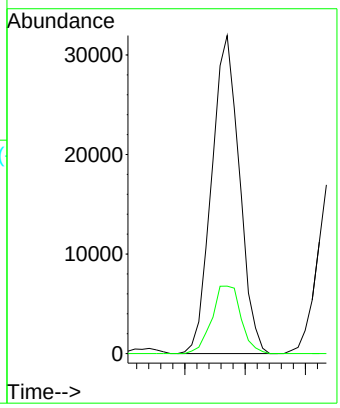
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

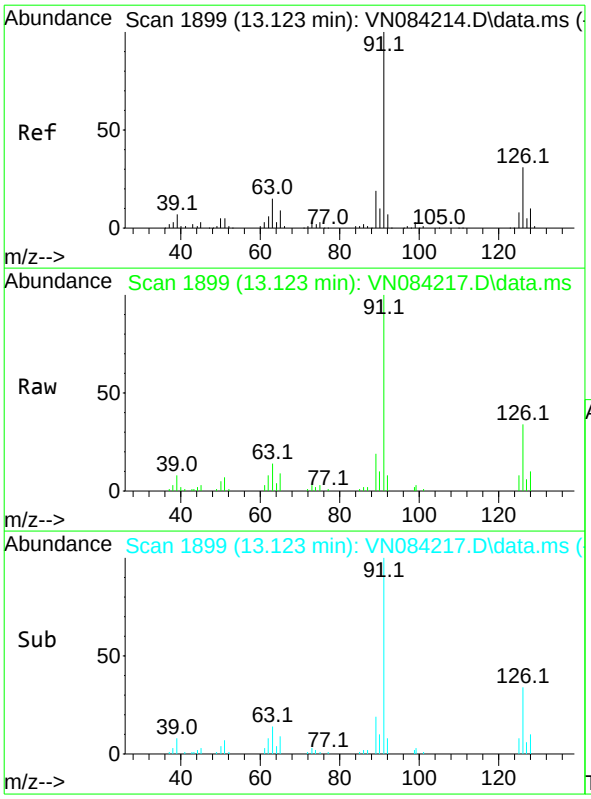


#78
n-propylbenzene
Concen: 5.140 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 51120

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

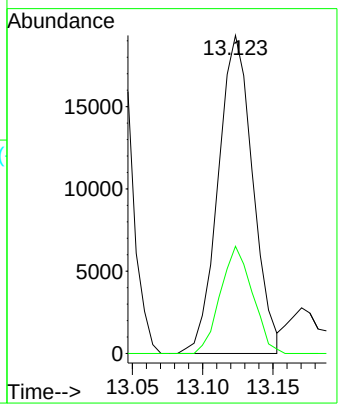




#79
2-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33161

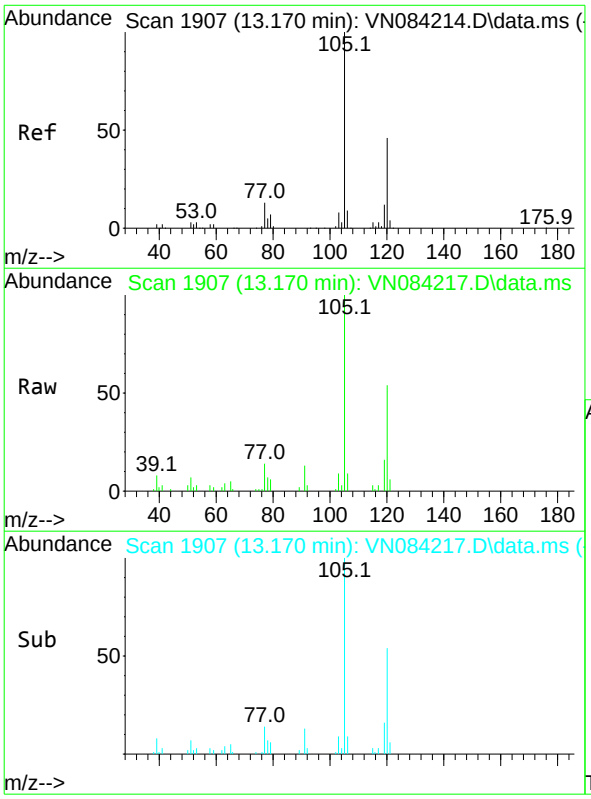
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

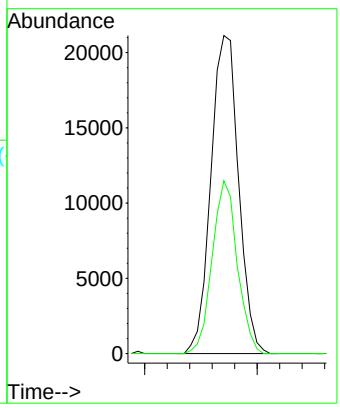
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

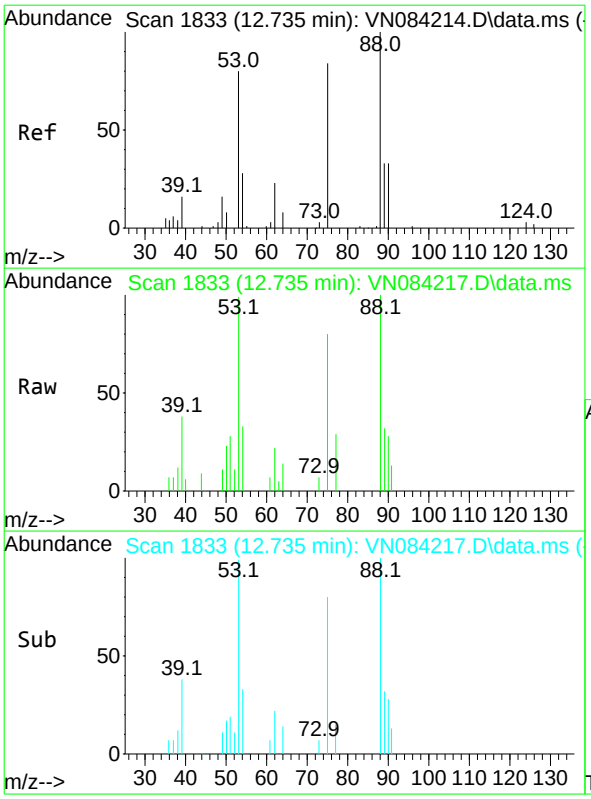


#80
1,3,5-Trimethylbenzene
Concen: 5.156 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36100

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1

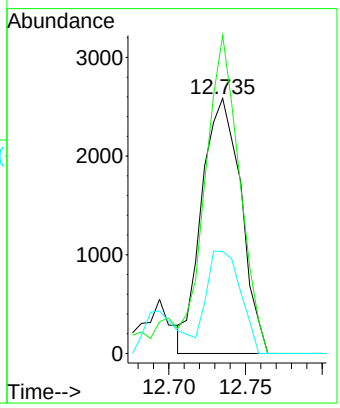




#81
trans-1,4-Dichloro-2-butene
Concen: 4.797 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 4595

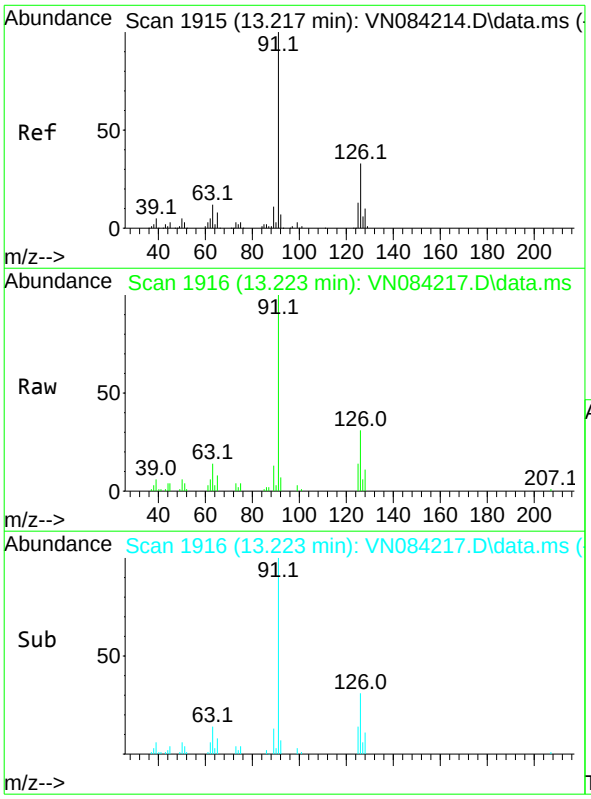
Ion	Ratio	Lower	Upper
75	100		
53	120.1	78.0	117.0#
89	34.5	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

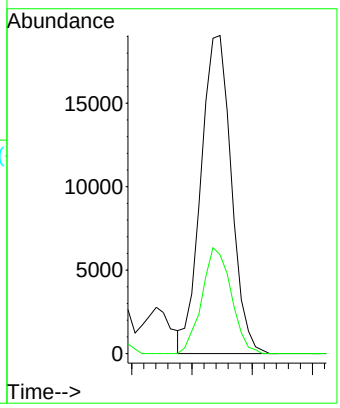
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

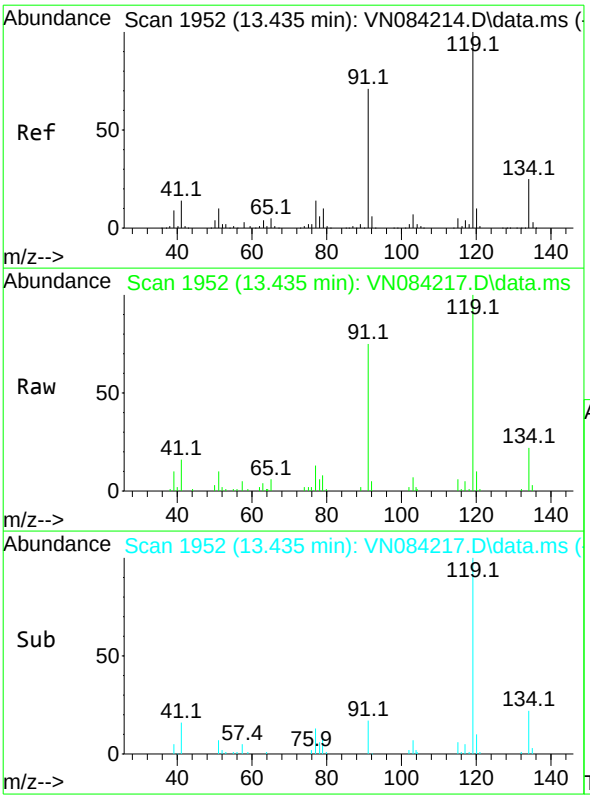


#82
4-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33382

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

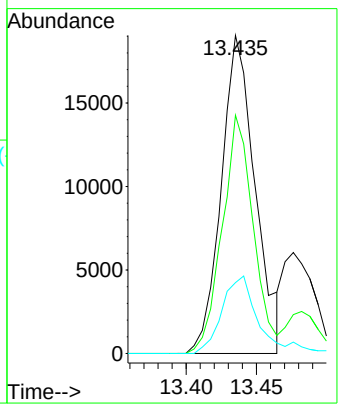




#83
tert-Butylbenzene
Concen: 5.140 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:119 Resp: 31990

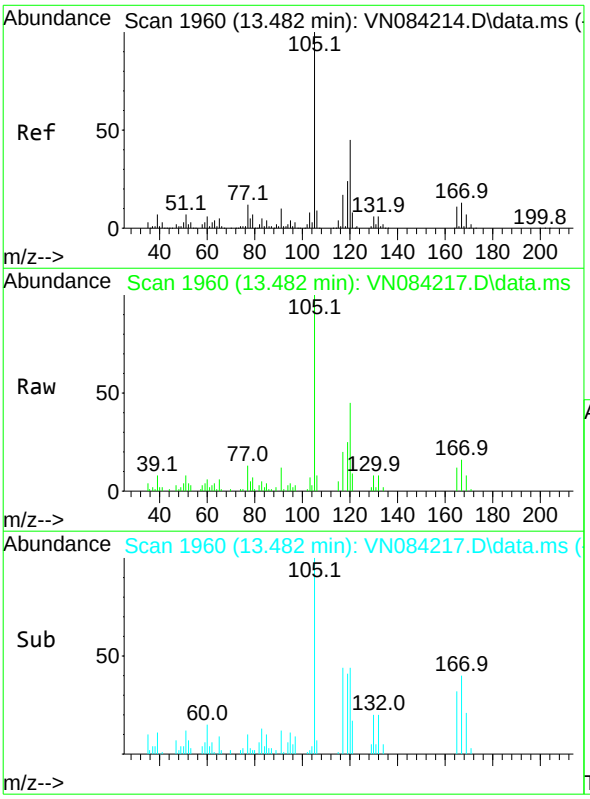
Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

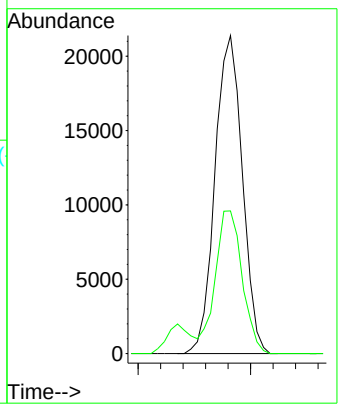
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

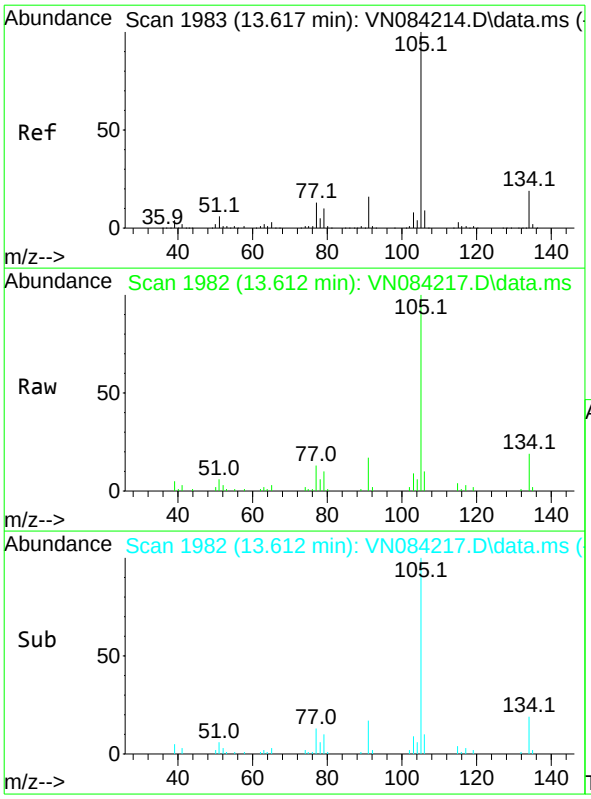


#84
1,2,4-Trimethylbenzene
Concen: 5.118 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36099

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8

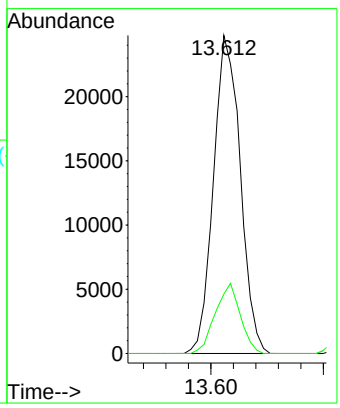




#85
sec-Butylbenzene
Concen: 4.931 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 40954

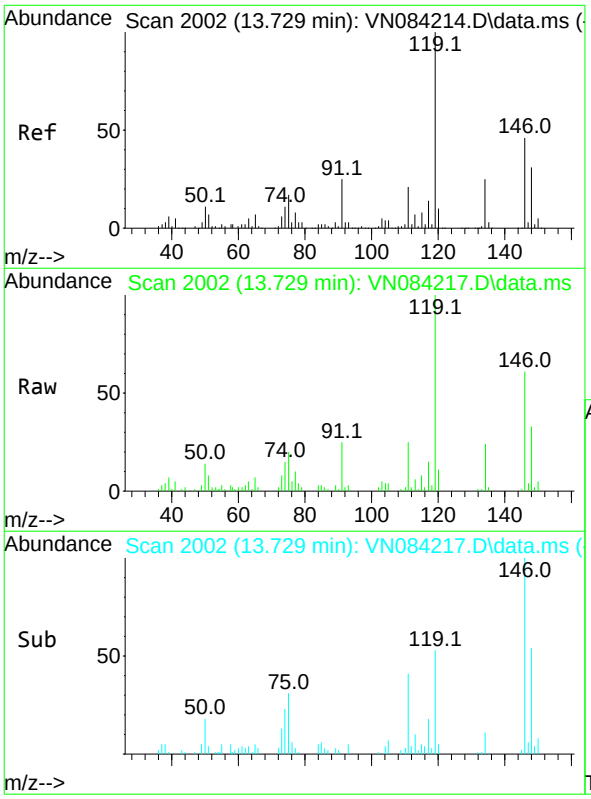
Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

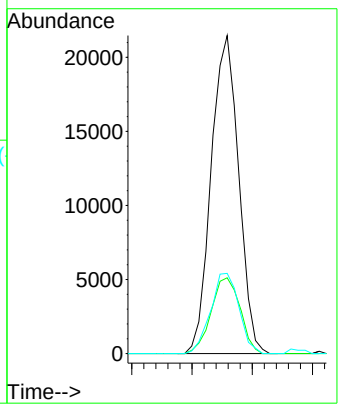
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

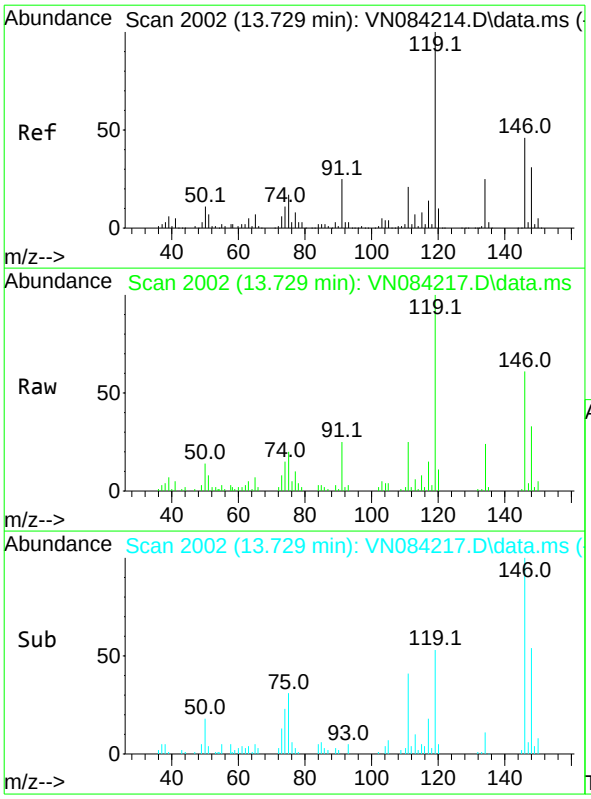


#86
p-Isopropyltoluene
Concen: 4.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

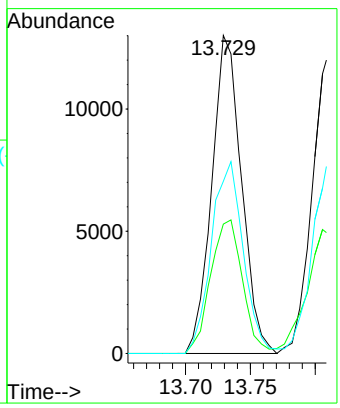




#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 20730

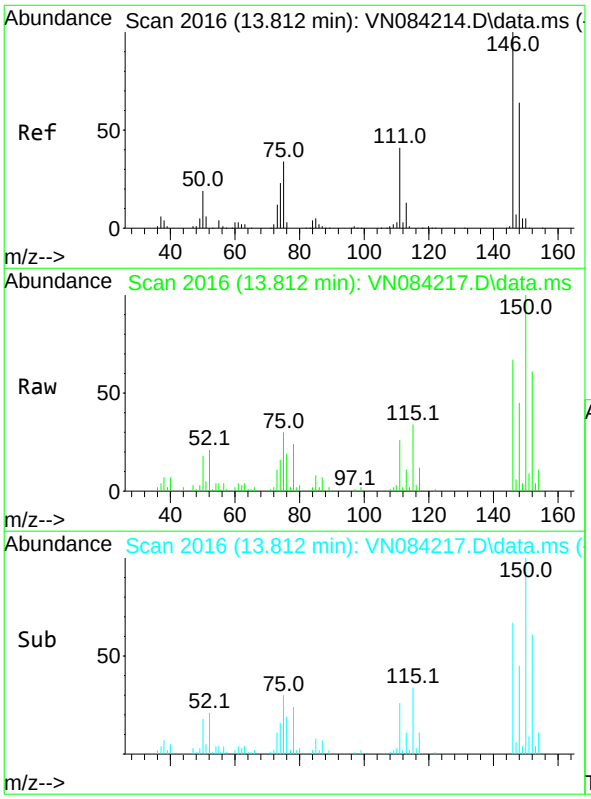
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.3
148	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

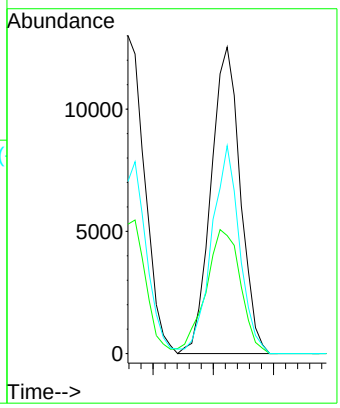
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

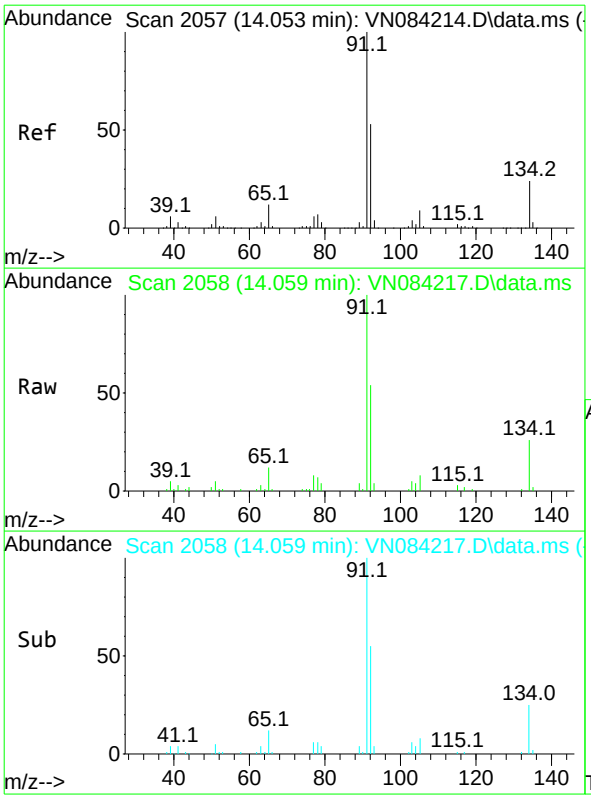


#88
1,4-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

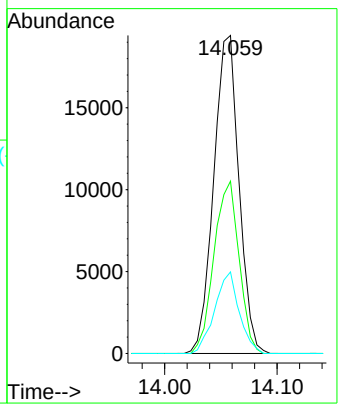




#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 30253

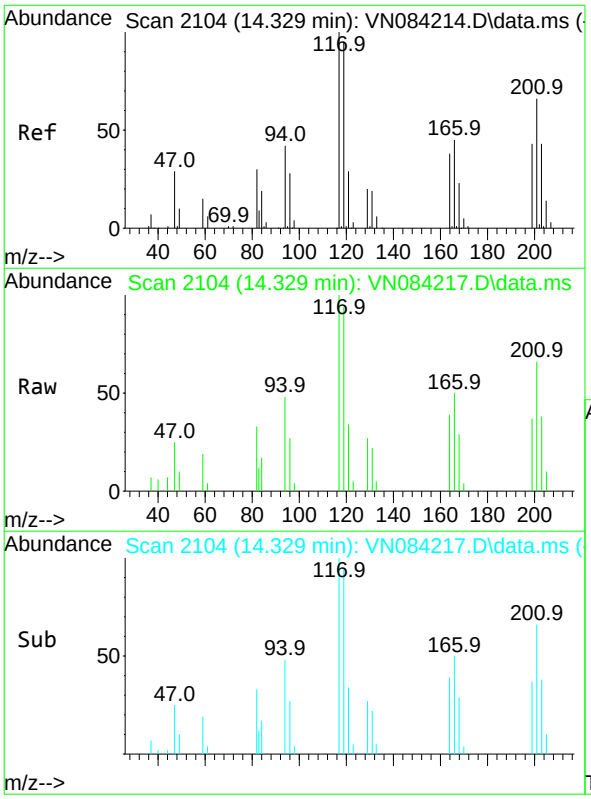
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.9	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

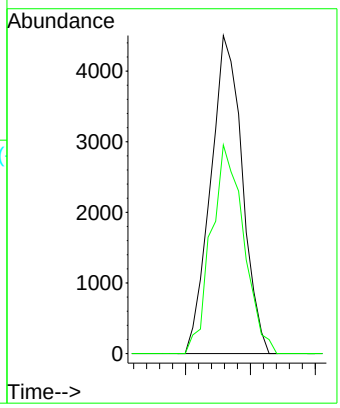
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

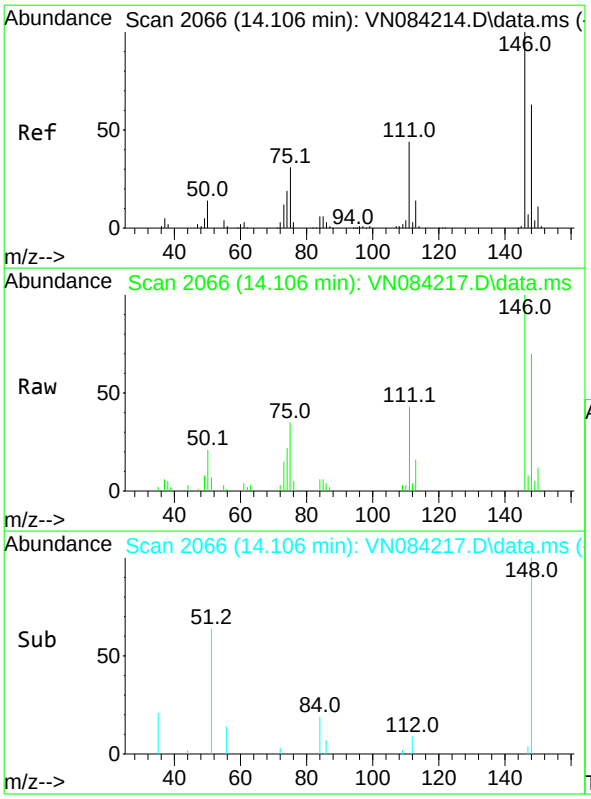


#90
Hexachloroethane
Concen: 5.472 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 7628

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

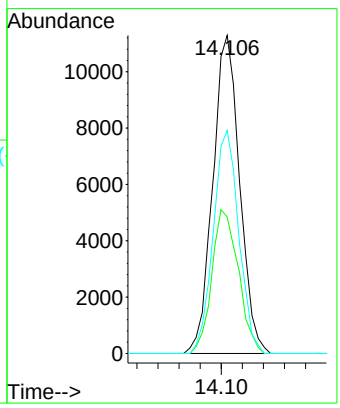




#91
1,2-Dichlorobenzene
Concen: 5.226 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:146 Resp: 19905

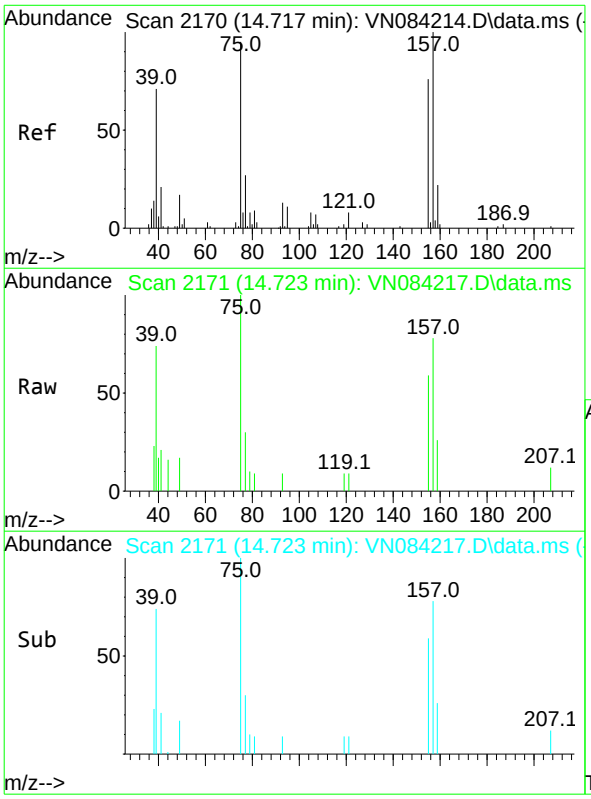
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.0	66.0
148	66.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

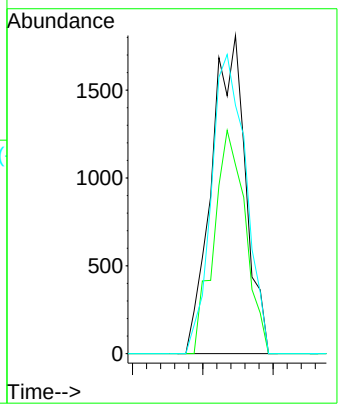
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

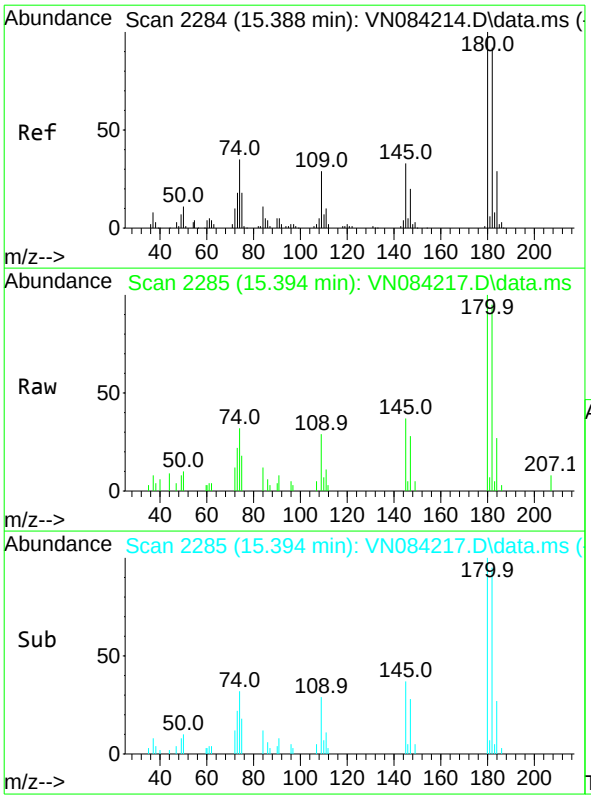


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

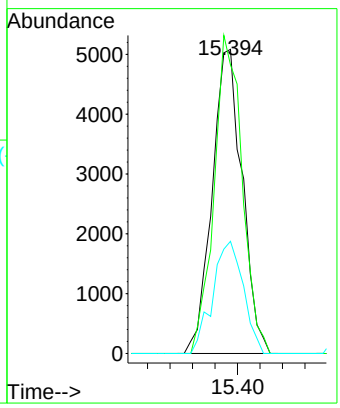




#93
1,2,4-Trichlorobenzene
Concen: 5.031 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:180 Resp: 9439

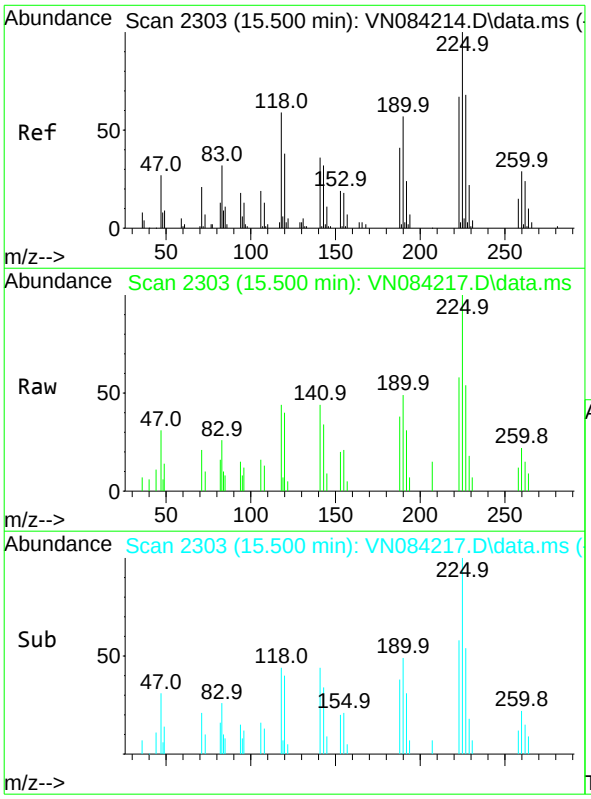
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.0	141.0
145	37.6	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

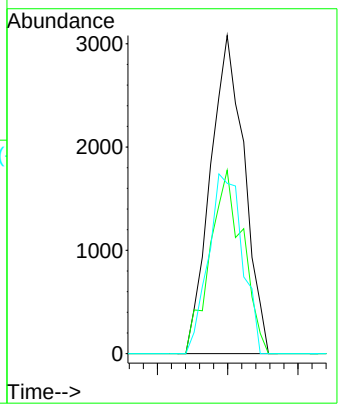
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

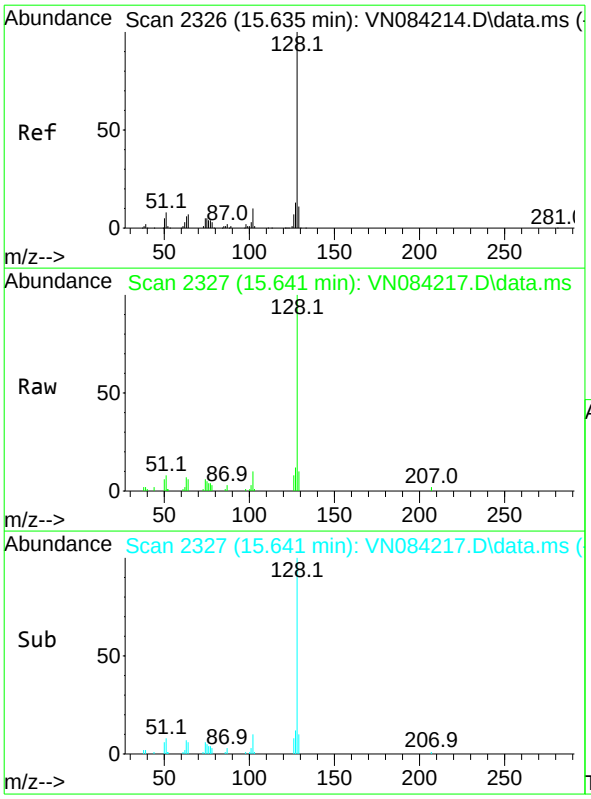


#94
Hexachlorobutadiene
Concen: 5.530 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

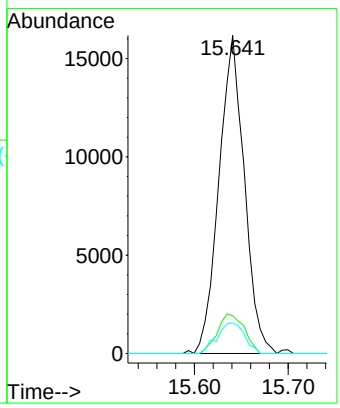




#95
Naphthalene
Concen: 4.886 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:128 Resp: 30391

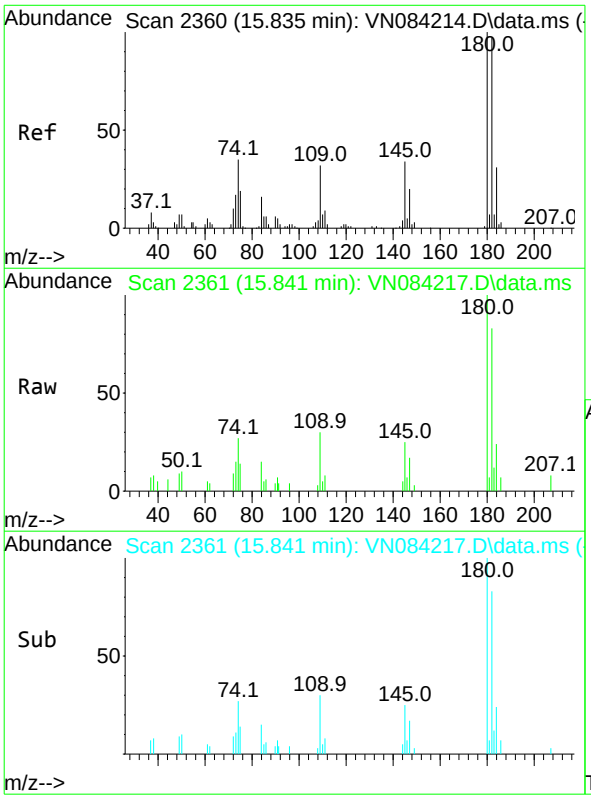
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

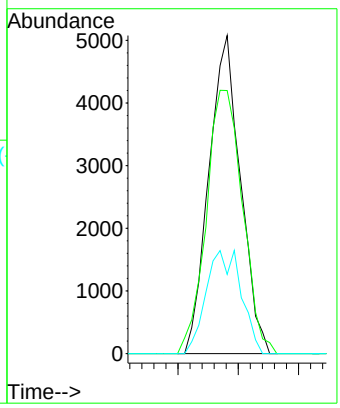
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

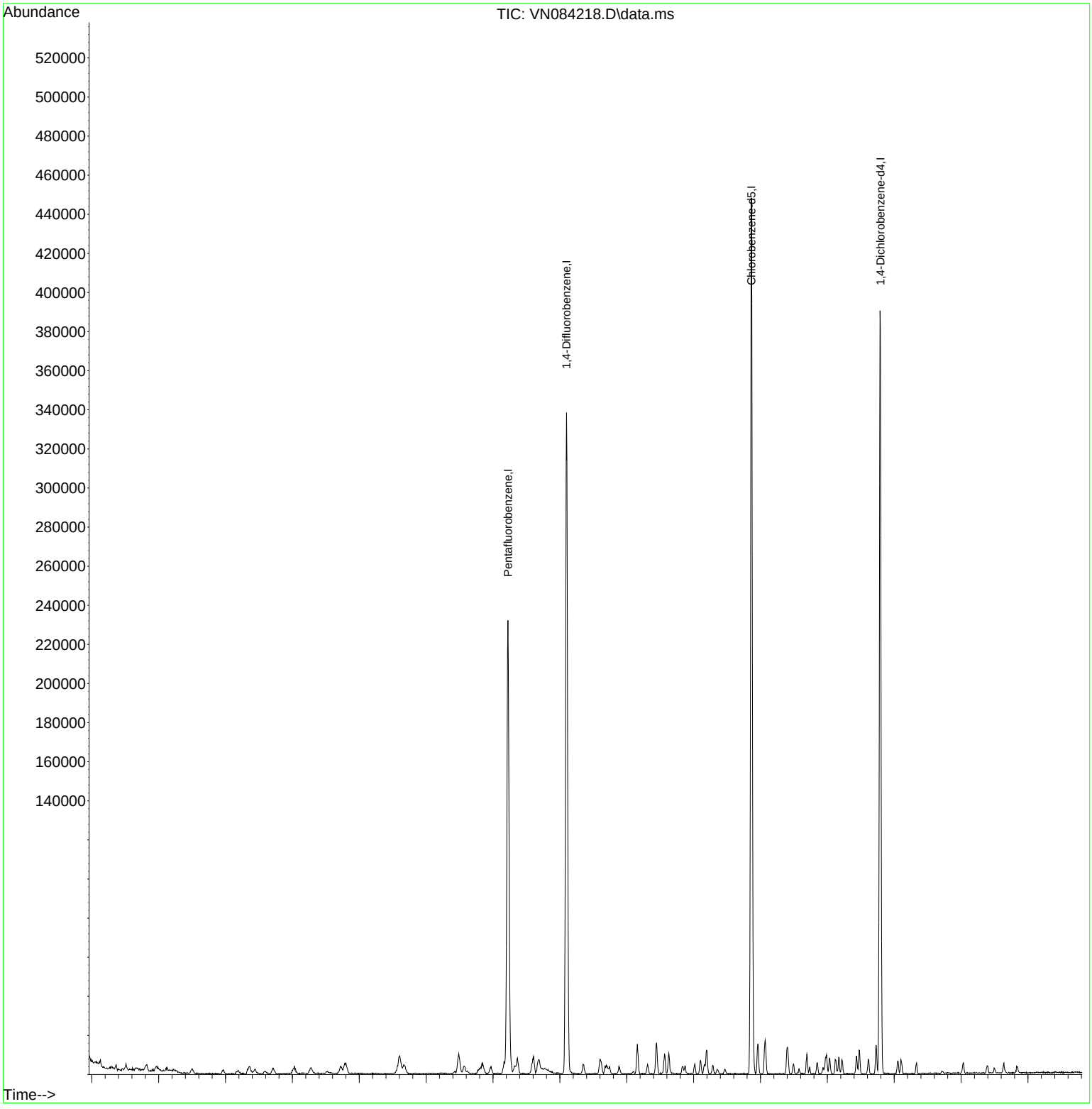
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084218.D
Acq On : 30 Sep 2024 14:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

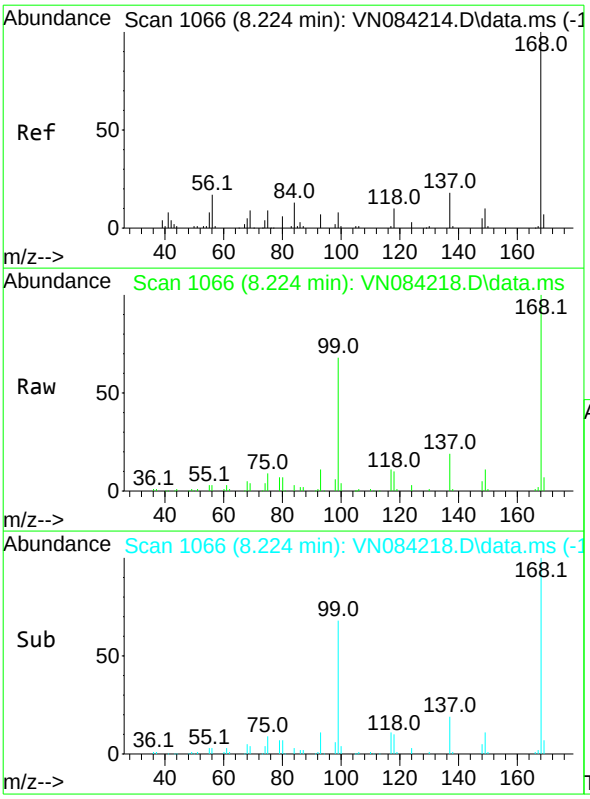
Quant Time: Oct 01 06:49:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 06:46:32 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

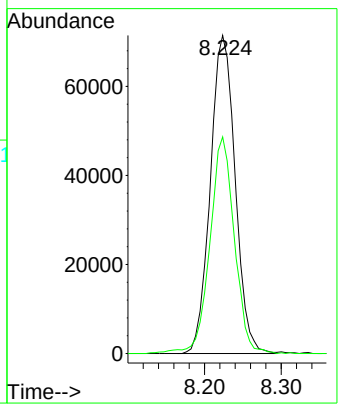




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:168 Resp: 160573

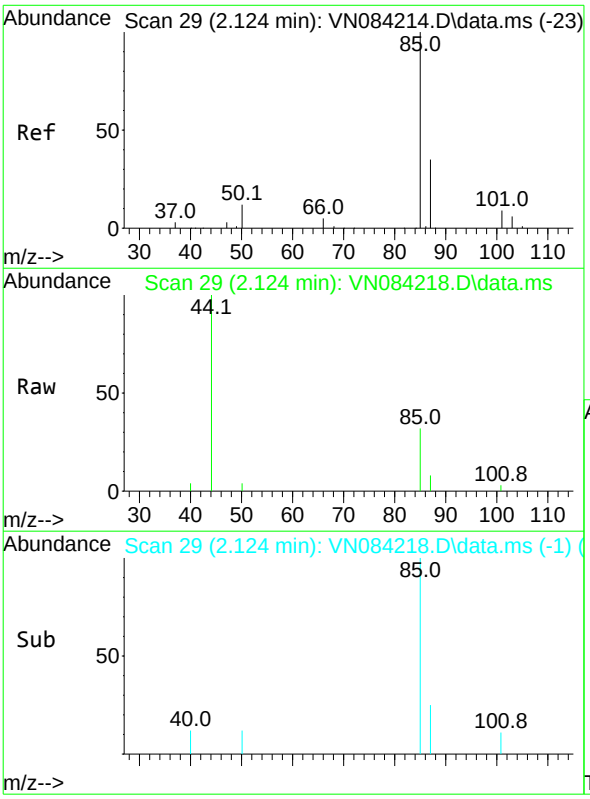
Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

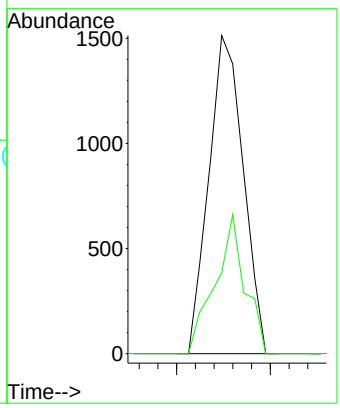
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

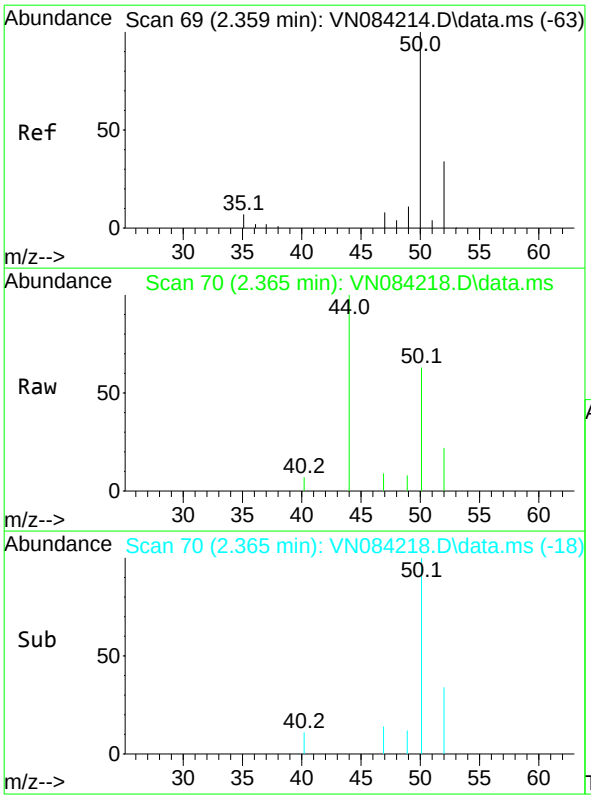


#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 85 Resp: 1928

Ion	Ratio	Lower	Upper
85	100		
87	25.3	17.6	52.9

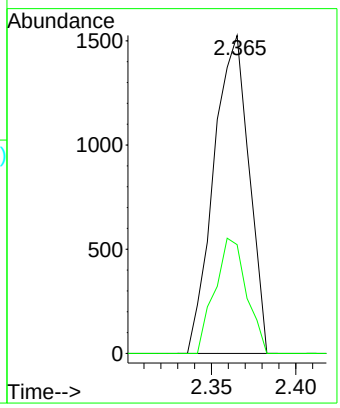




#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 50 Resp: 2217

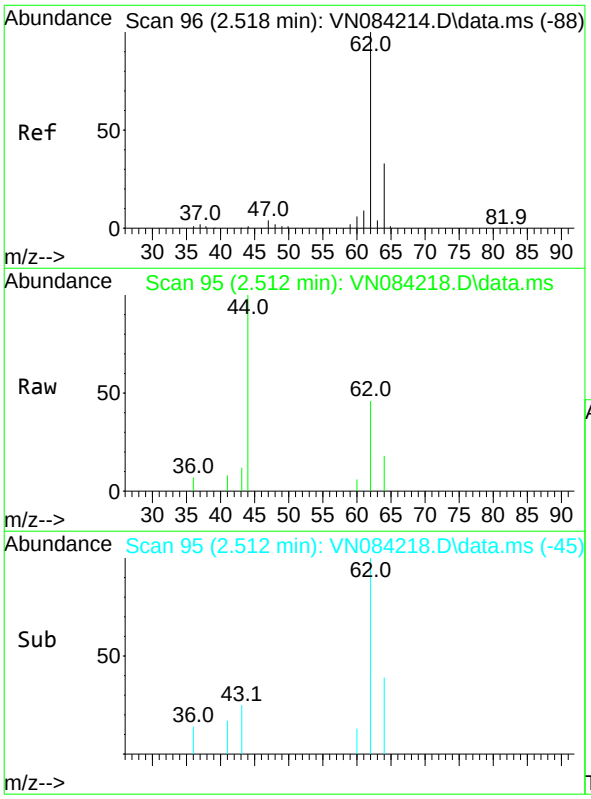
Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

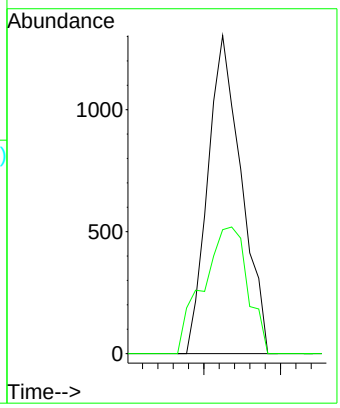
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

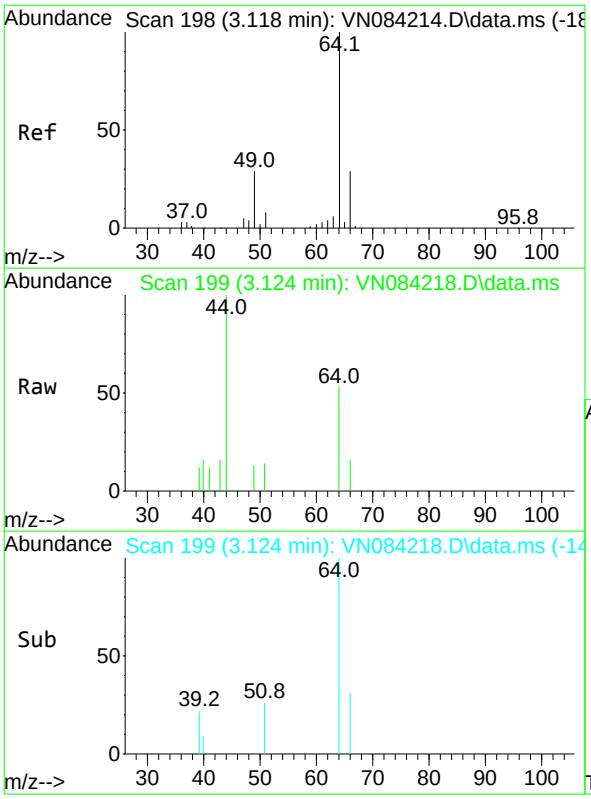


#4
Vinyl Chloride
Concen: 0.943 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
64	39.0	26.2	39.4

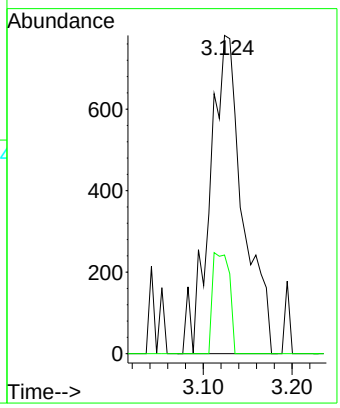




#6
Chloroethane
Concen: 1.349 ug/l
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 64 Resp: 2029

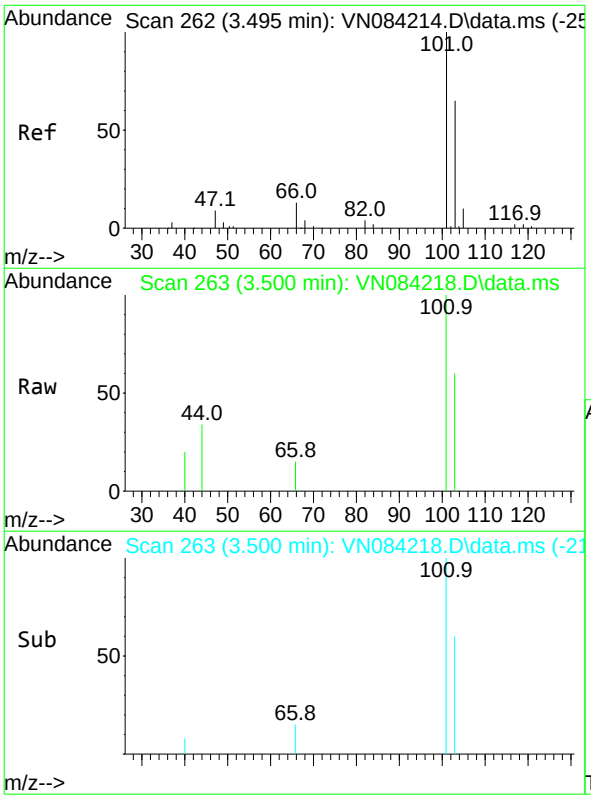
Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

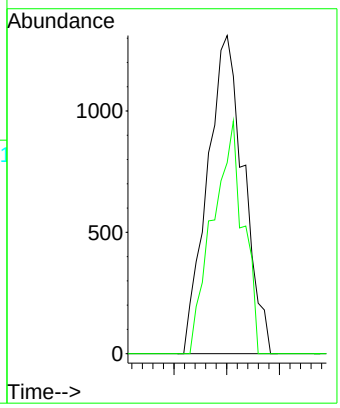
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

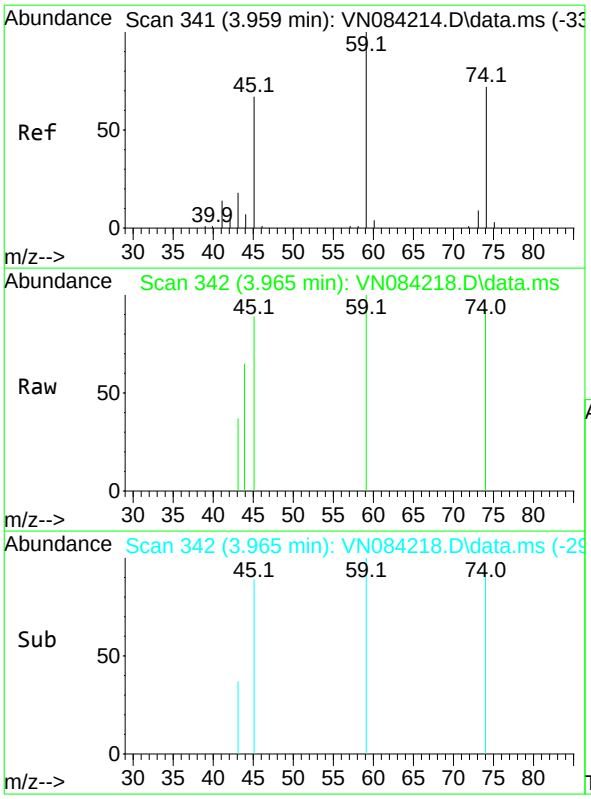


#7
Trichlorofluoromethane
Concen: 0.960 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:101 Resp: 3140

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.8	77.6

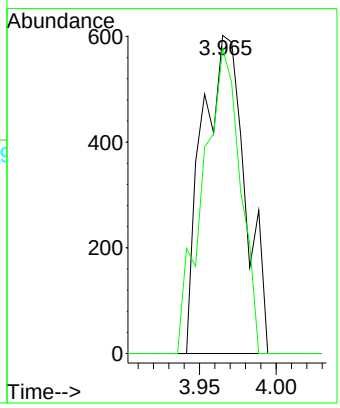




#8
Diethyl Ether
Concen: 0.962 ug/l
RT: 3.965 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 74 Resp: 1167

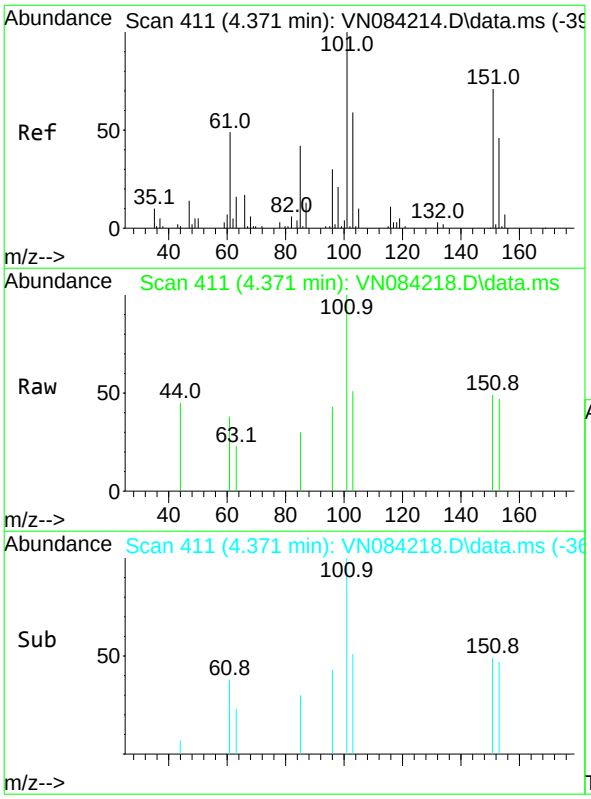
Ion	Ratio	Lower	Upper
74	100		
45	83.9	47.7	143.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

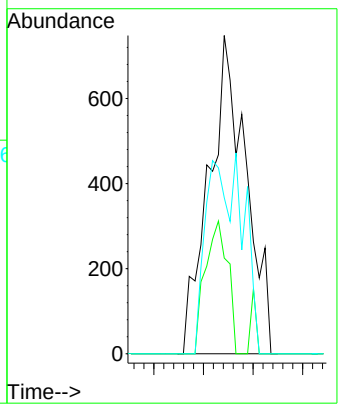
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

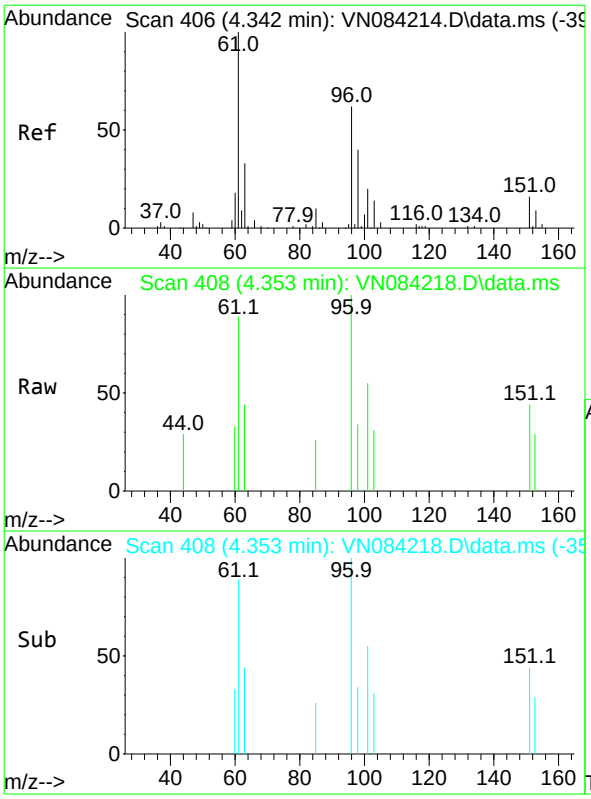


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

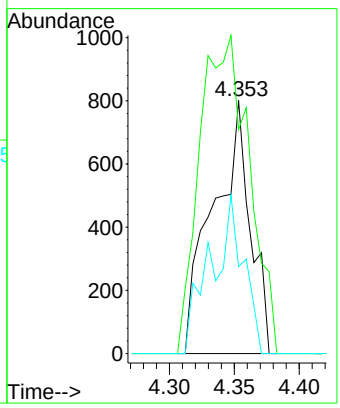




#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 4.353 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1584

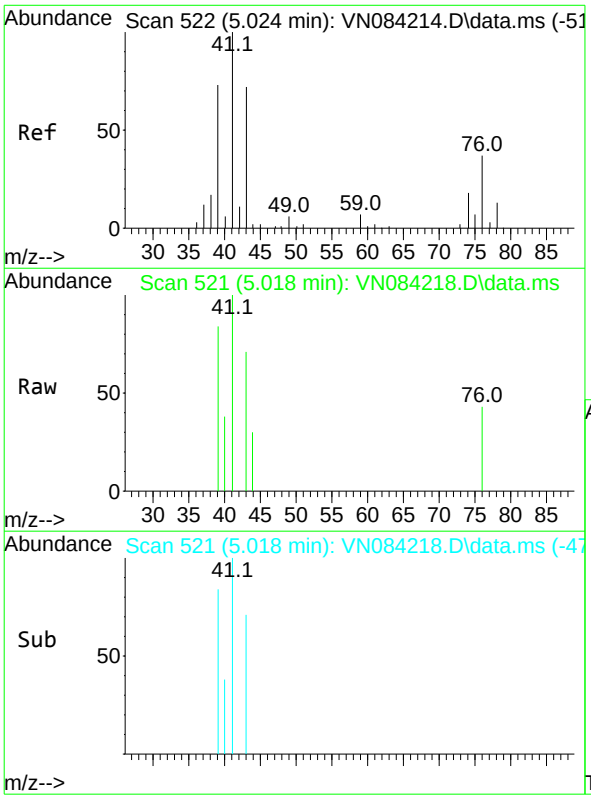
Ion	Ratio	Lower	Upper
96	100		
61	88.5	128.6	192.8#
98	34.3	51.7	77.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

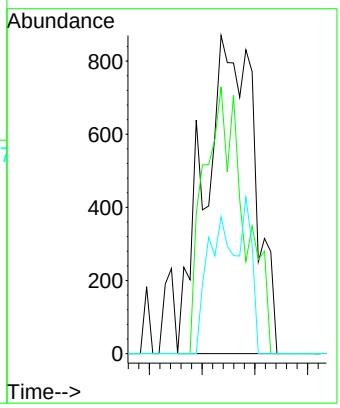
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

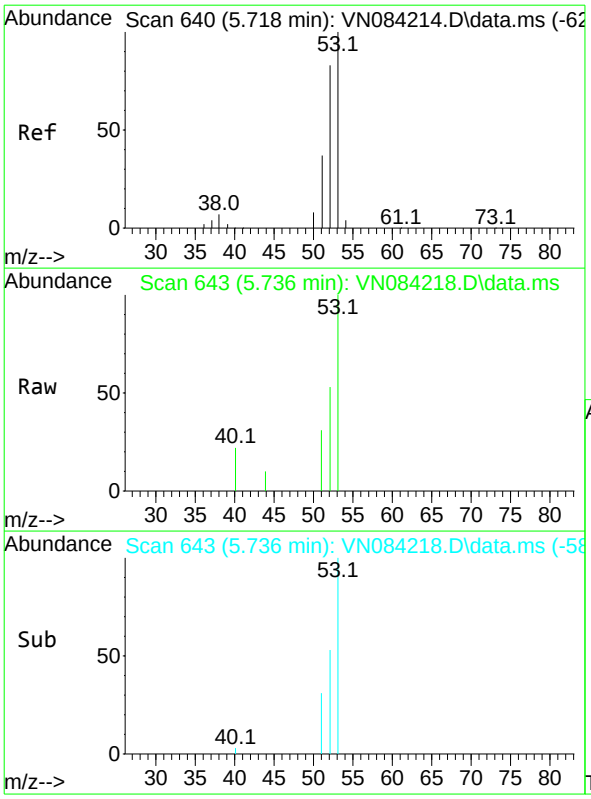


#14
Allyl chloride
Concen: 0.908 ug/l m
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

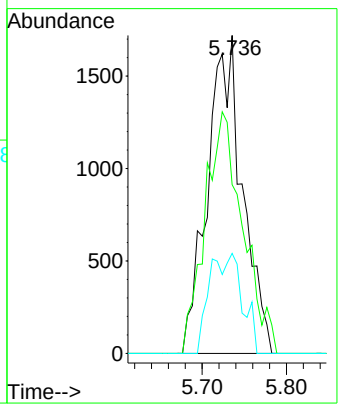




#15
Acrylonitrile
Concen: 4.963 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 53 Resp: 4920

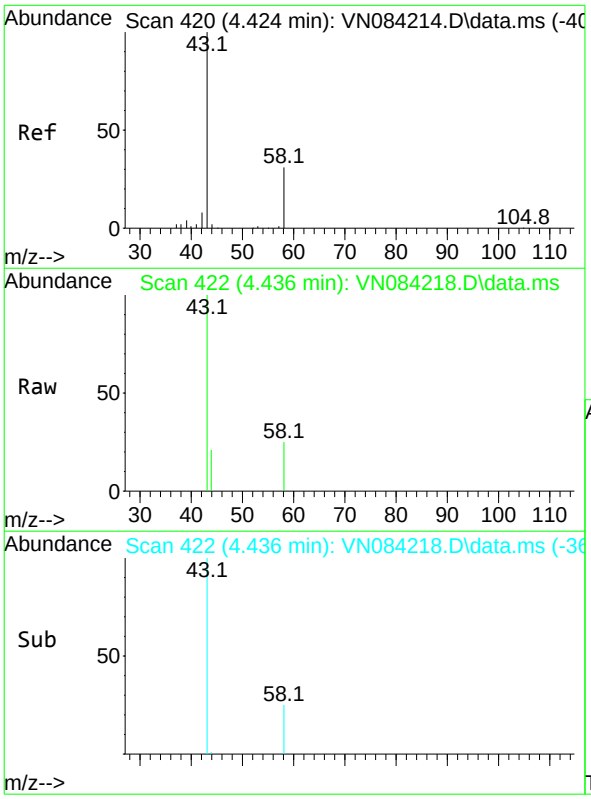
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

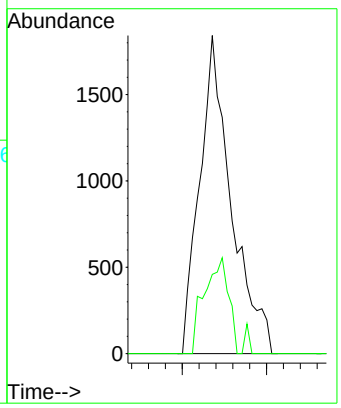
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

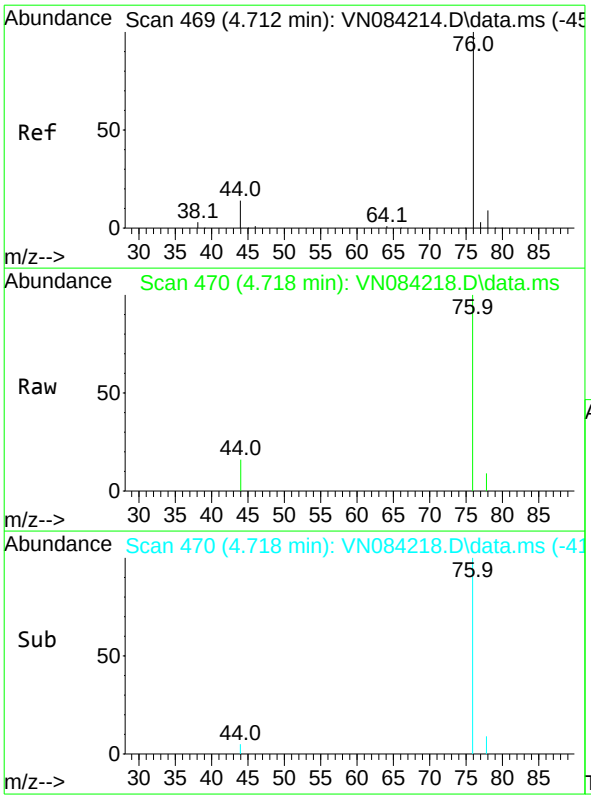


#16
Acetone
Concen: 4.692 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 4799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.4	36.6

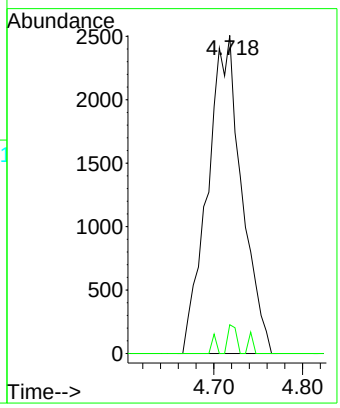




#17
Carbon Disulfide
Concen: 1.167 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 76 Resp: 6680

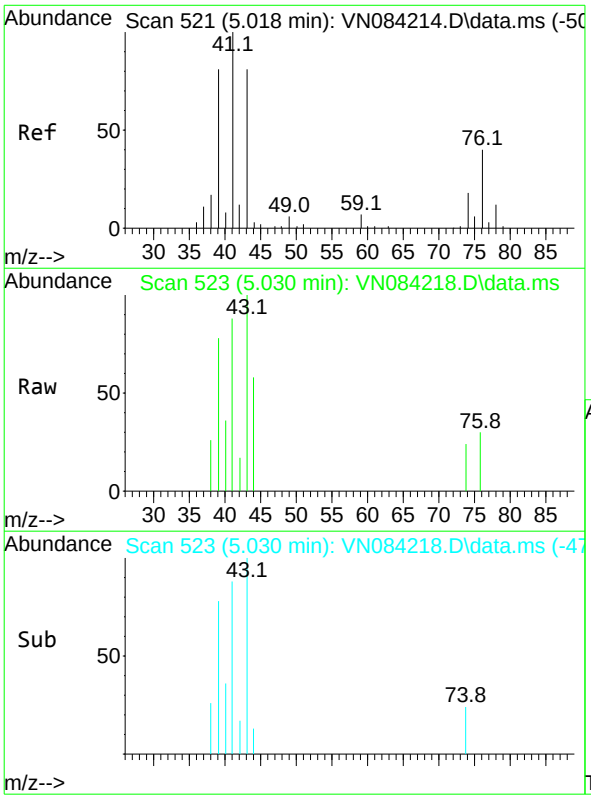
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

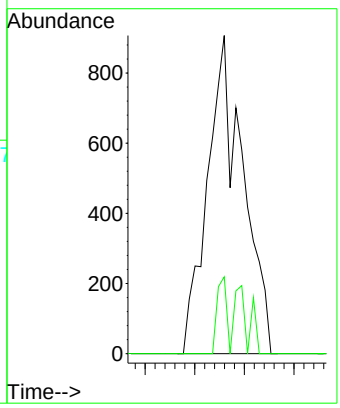
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

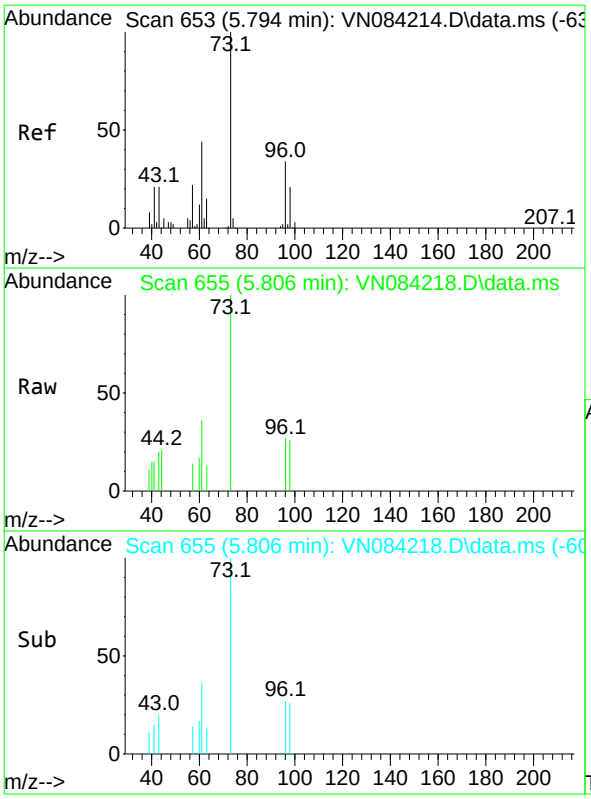


#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2249

Ion	Ratio	Lower	Upper
43	100		
74	6.4	19.2	28.8#

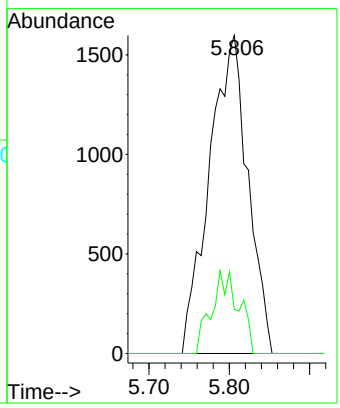




#19
Methyl tert-butyl Ether
Concen: 0.872 ug/l
RT: 5.806 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 73 Resp: 5319

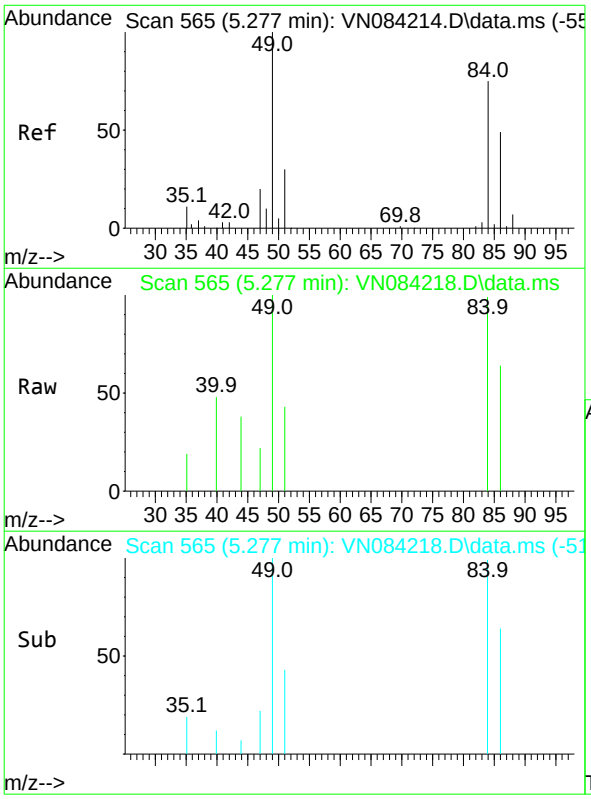
Ion	Ratio	Lower	Upper
73	100		
57	13.9	17.7	26.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

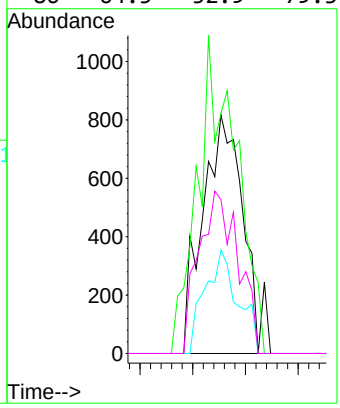
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

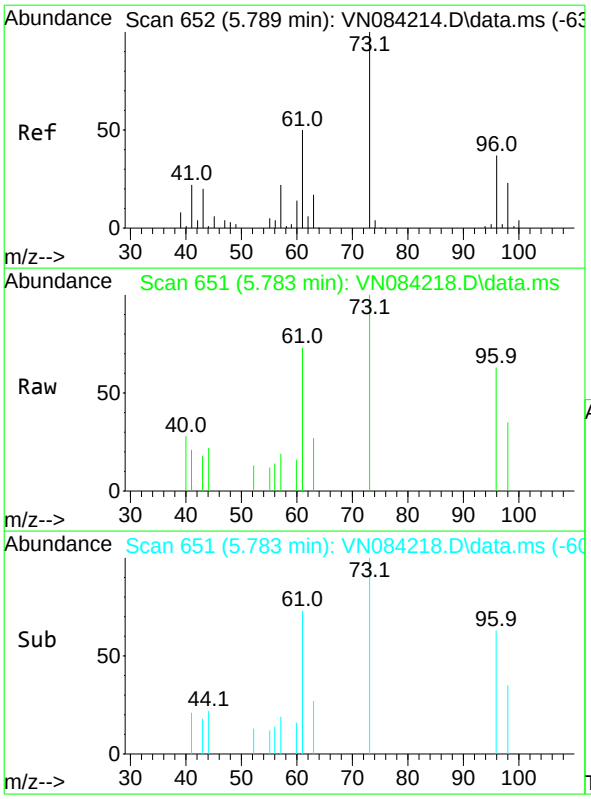


#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

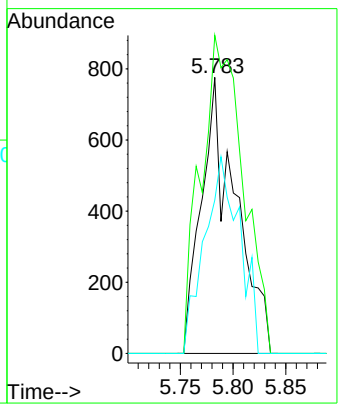




#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 1753

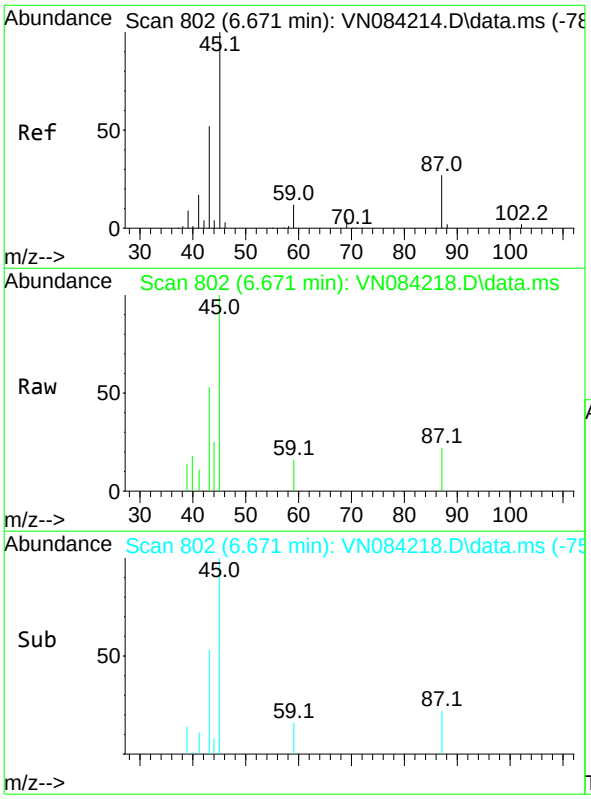
Ion	Ratio	Lower	Upper
96	100		
61	115.2	108.4	162.6
98	55.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

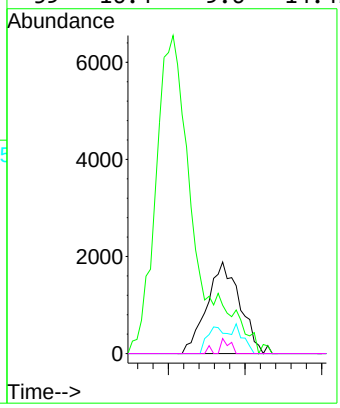
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

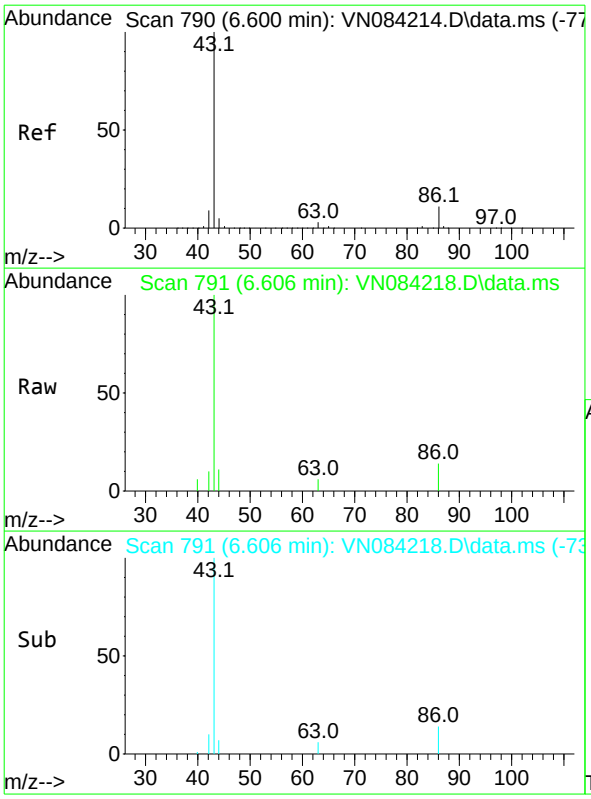


#22
Diisopropyl ether
Concen: 0.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

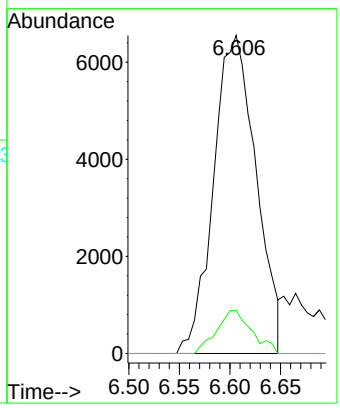




#23
Vinyl Acetate
Concen: 3.967 ug/l m
RT: 6.606 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 19212

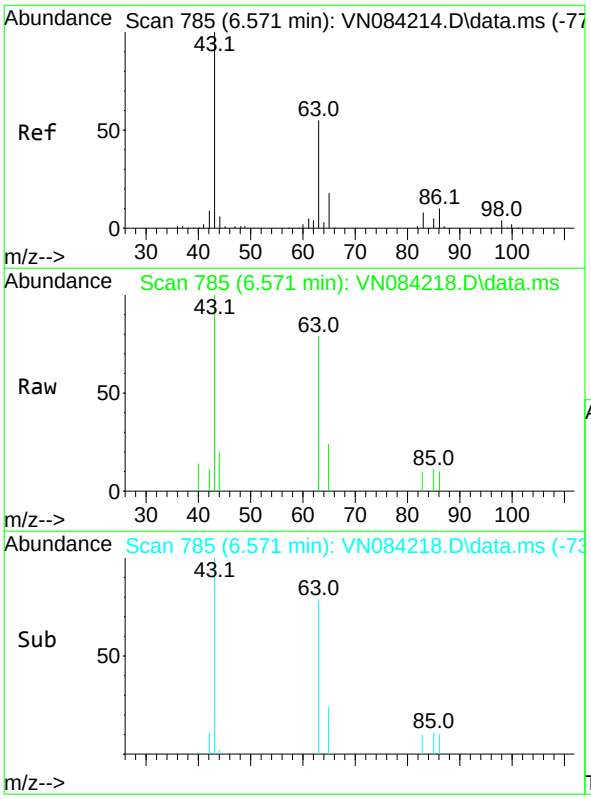
Ion	Ratio	Lower	Upper
43	100		
86	13.5	8.6	12.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

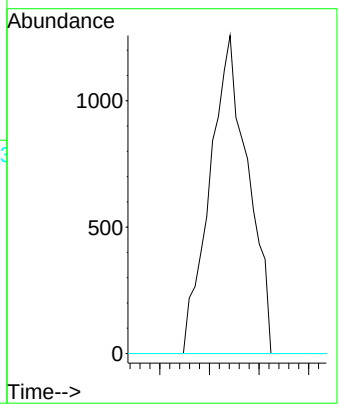
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

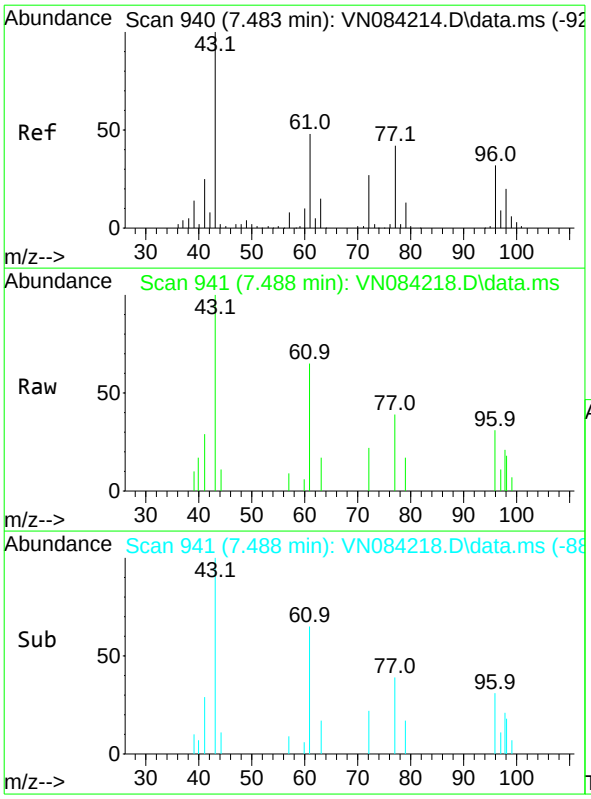


#24
1,1-Dichloroethane
Concen: 0.925 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

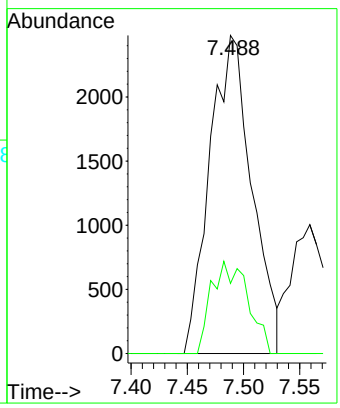




#25
2-Butanone
Concen: 4.658 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 6488

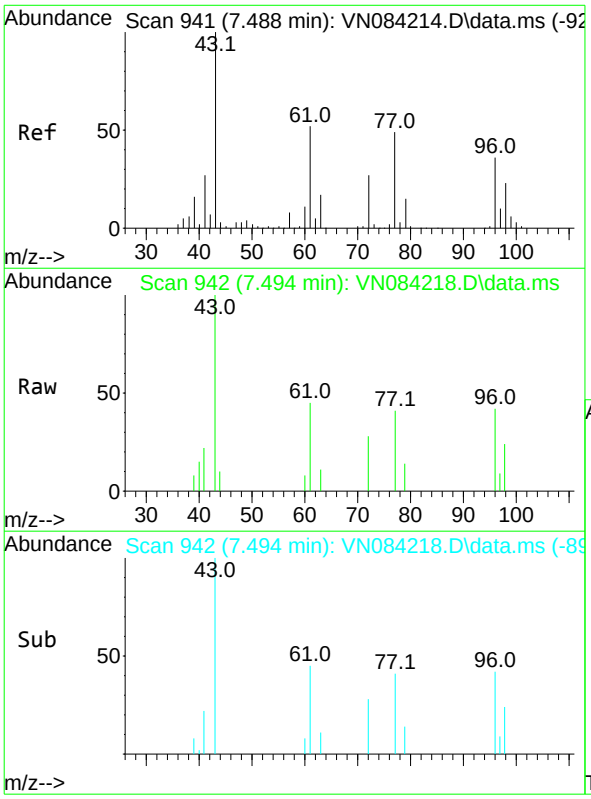
Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

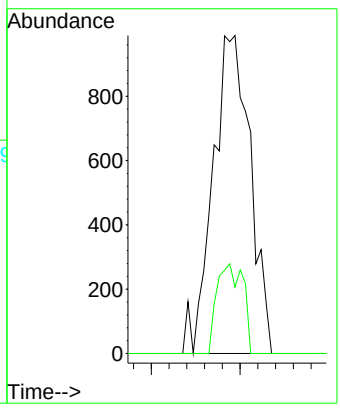
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

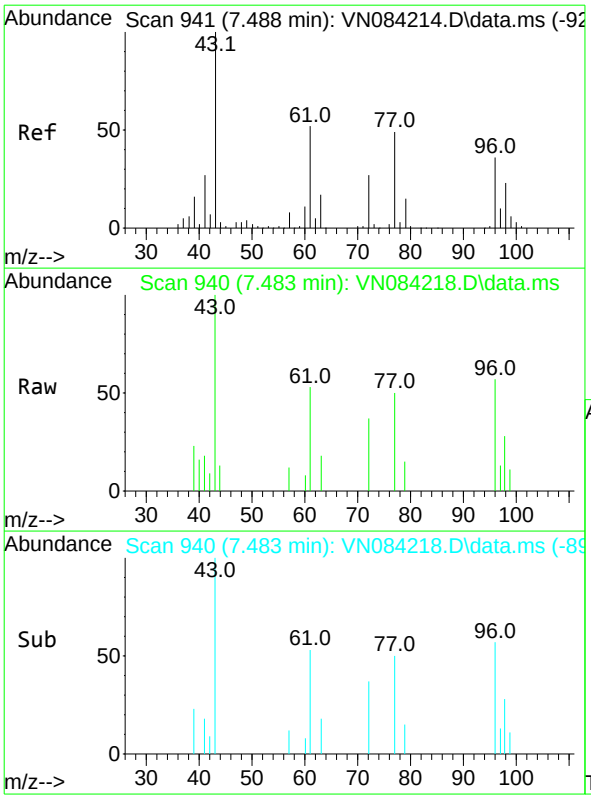


#26
2,2-Dichloropropane
Concen: 0.886 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 77 Resp: 2902

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.8	32.3

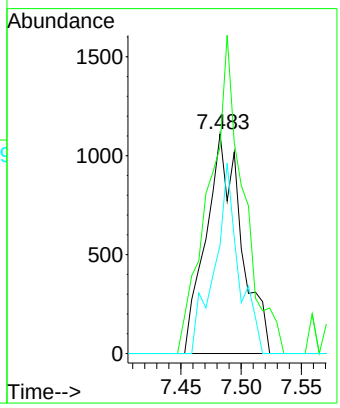




#27
cis-1,2-Dichloroethene
Concen: 0.987 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 96 Resp: 2259

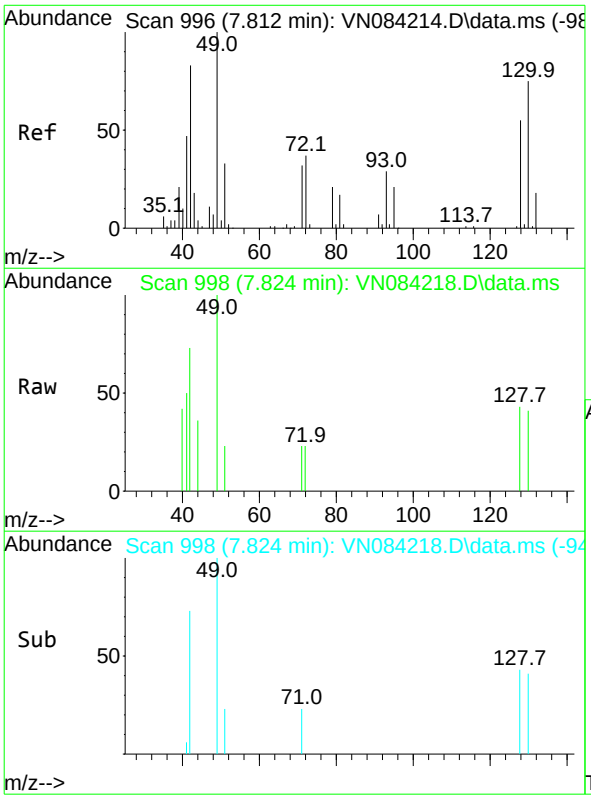
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	301.8
98	59.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

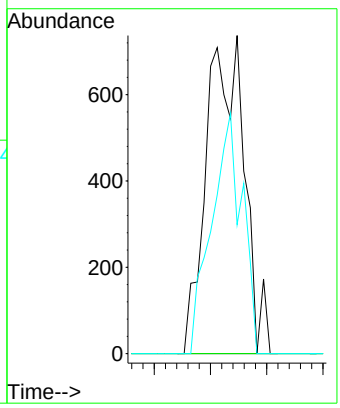
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

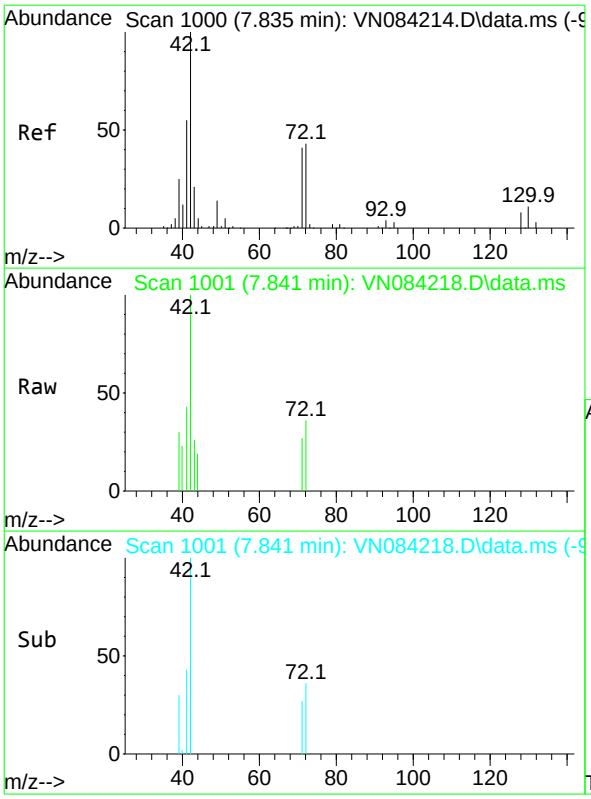


#28
Bromochloromethane
Concen: 1.060 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

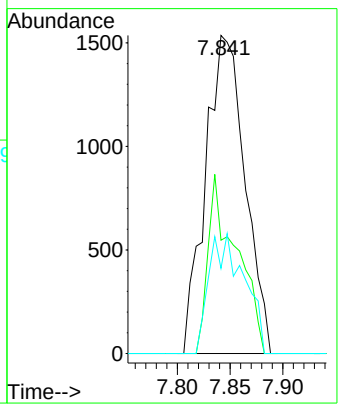




#29
Tetrahydrofuran
Concen: 4.660 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 42 Resp: 4006

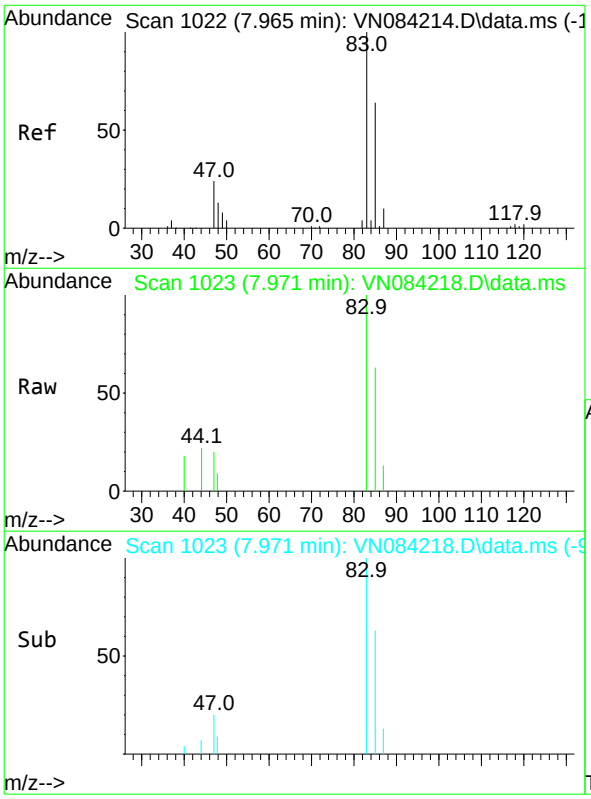
Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.6	51.8
71	33.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

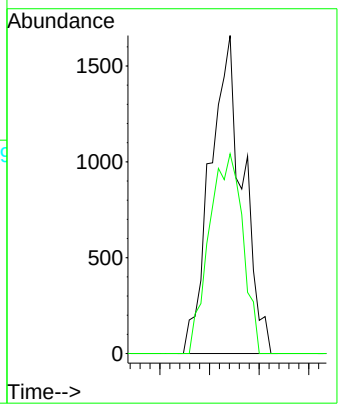
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

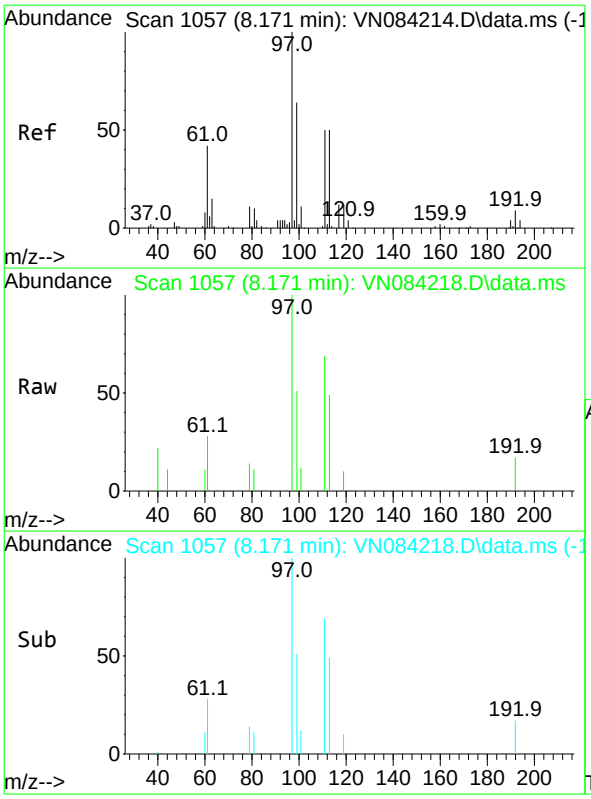


#30
Chloroform
Concen: 1.005 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 3793

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4

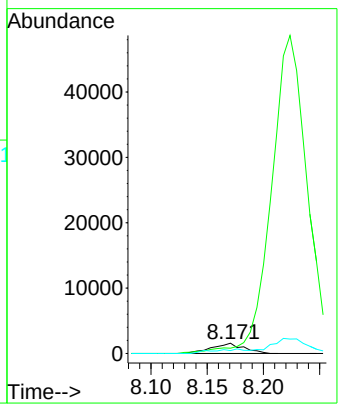




#32
1,1,1-Trichloroethane
Concen: 0.921 ug/l
RT: 8.171 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 97 Resp: 3120

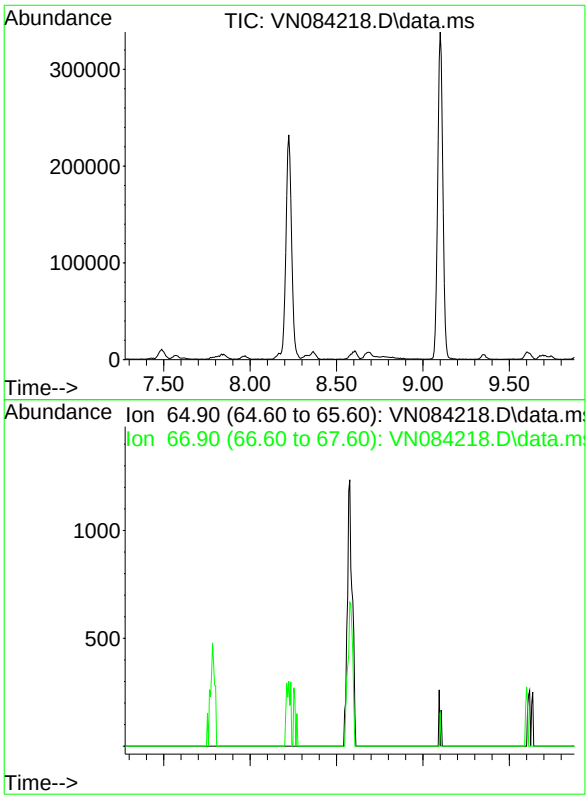
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	46.5	37.5	56.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

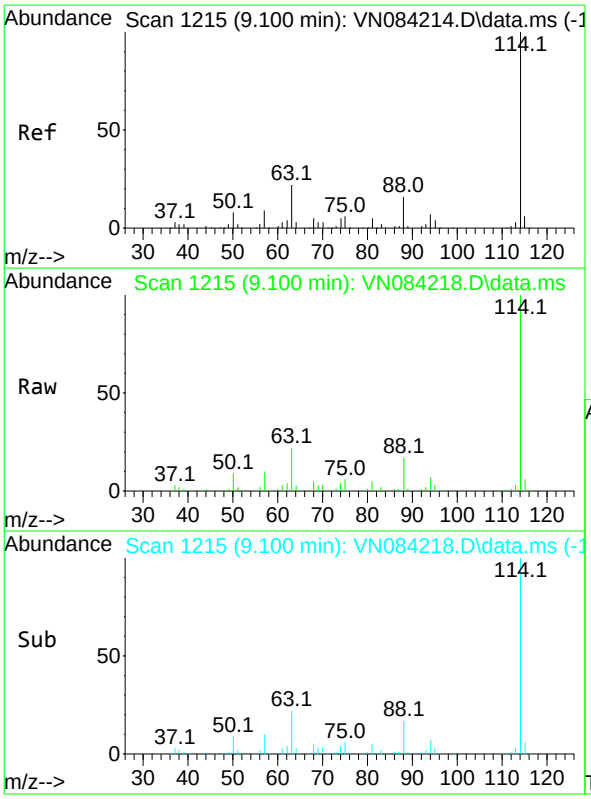


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 65

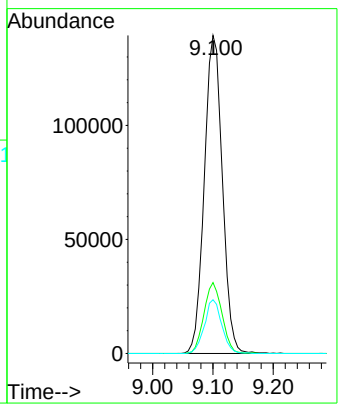
Sig	Exp Ratio
65	100
67	51.0



#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

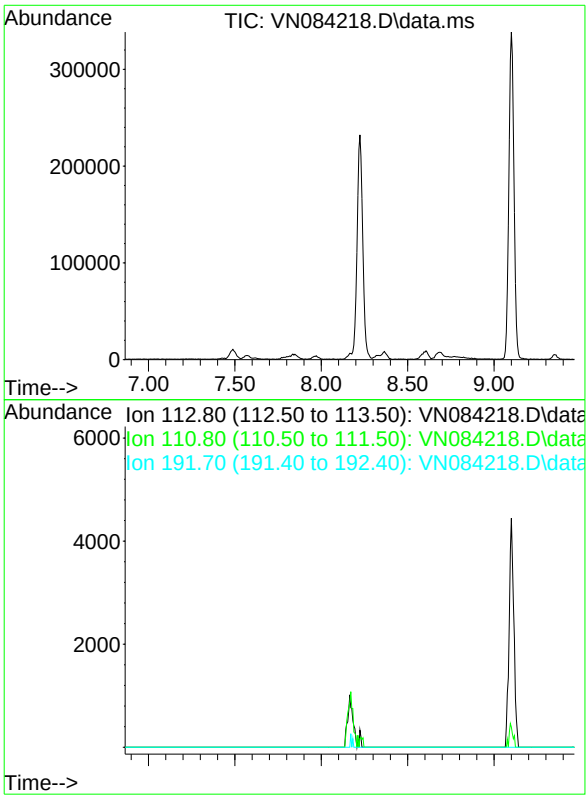
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.9	0.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

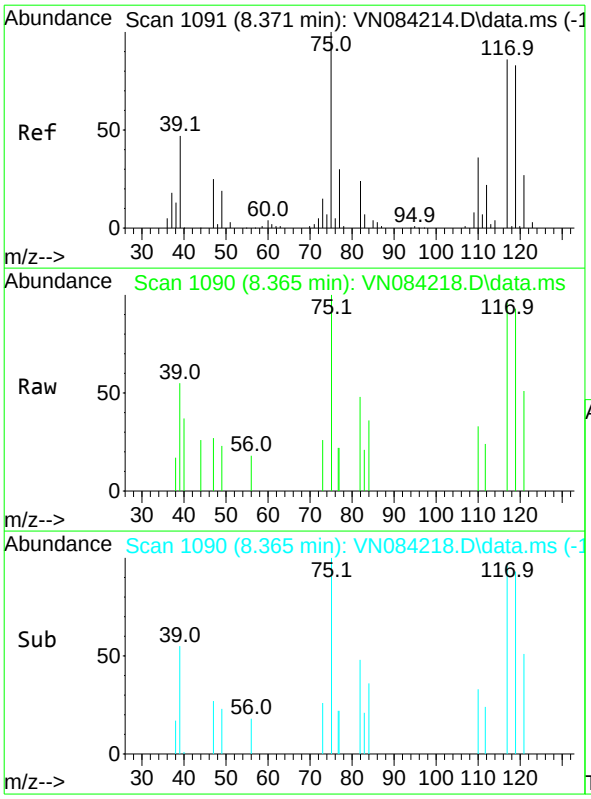


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 113

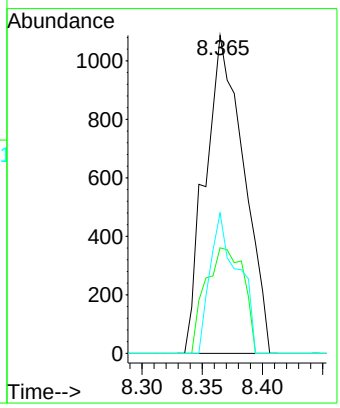
Sig	Exp Ratio
113	100
111	104.1
192	16.9



#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

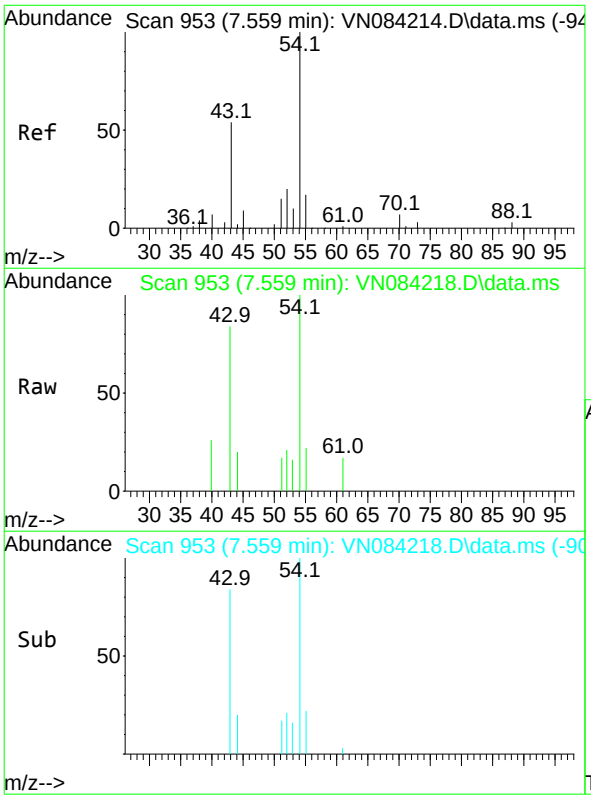
Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.7
77	31.9	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

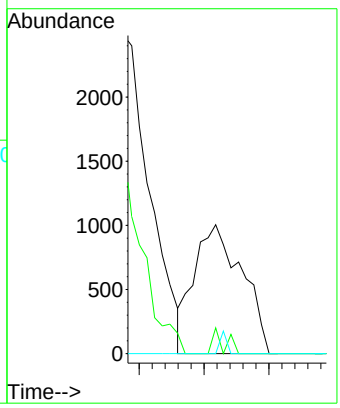
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

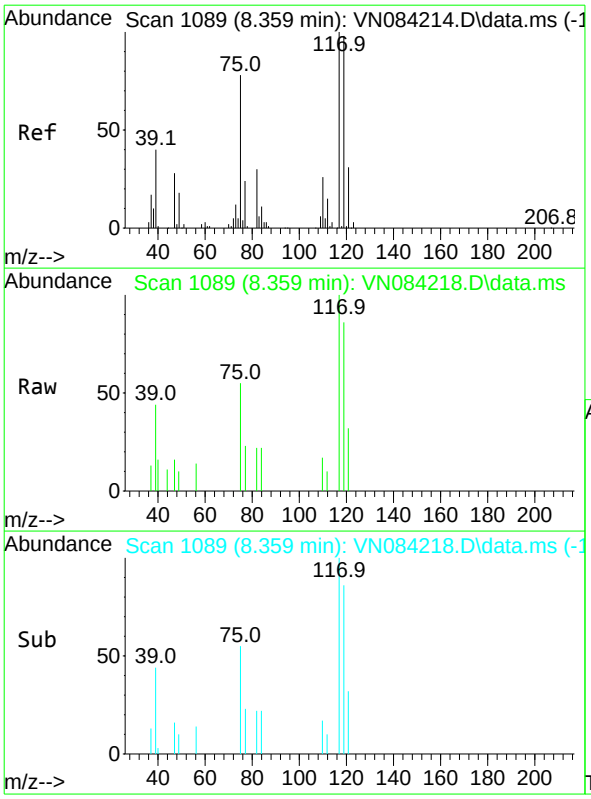


#37
Ethyl Acetate
Concen: 0.911 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

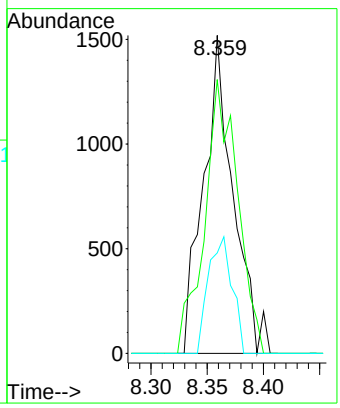




#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 2795

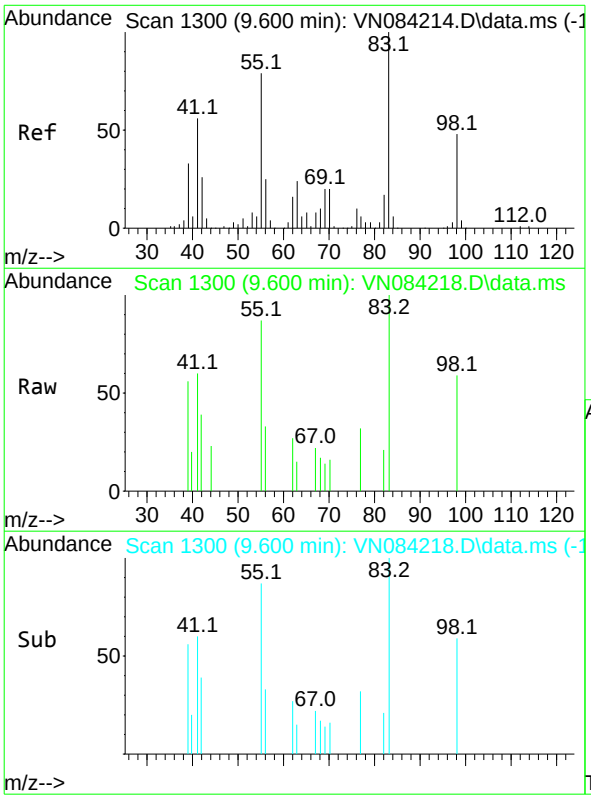
Ion	Ratio	Lower	Upper
117	100		
119	86.1	78.7	118.1
121	31.6	24.4	36.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

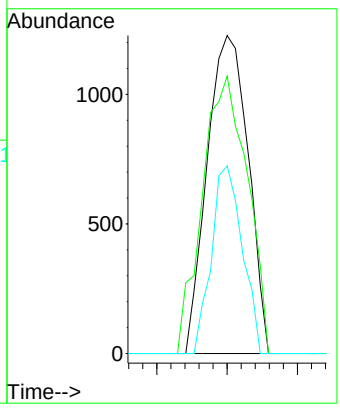
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

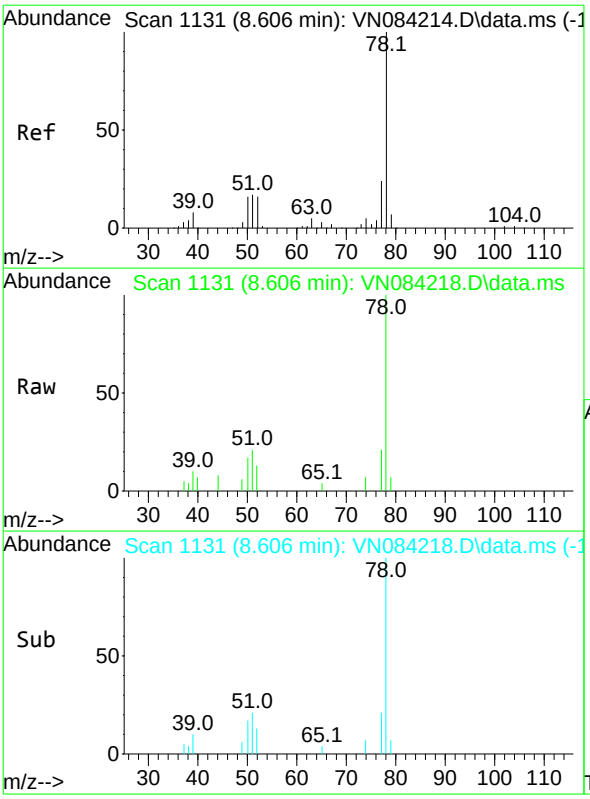


#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

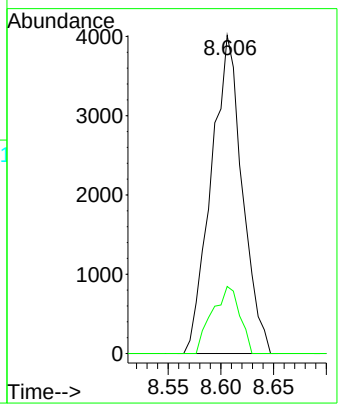




#40
Benzene
Concen: 0.952 ug/l
RT: 8.606 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 78 Resp: 8245

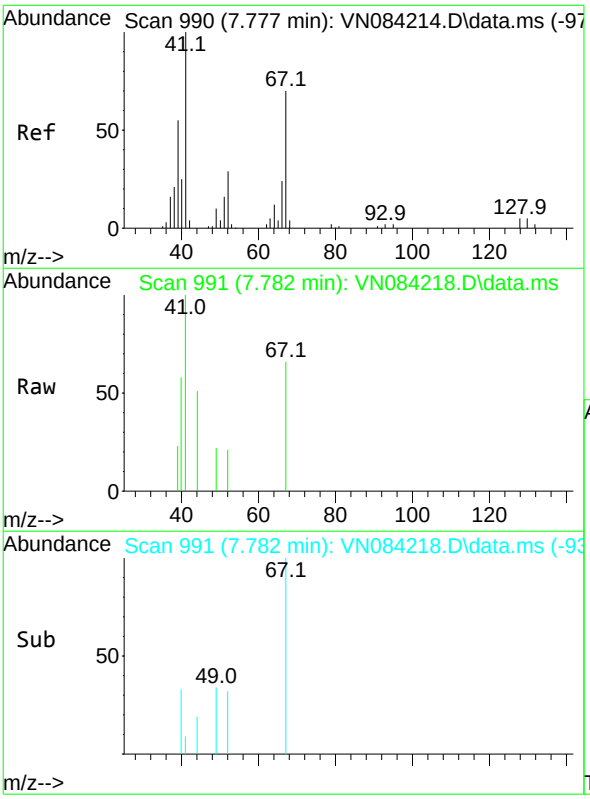
Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

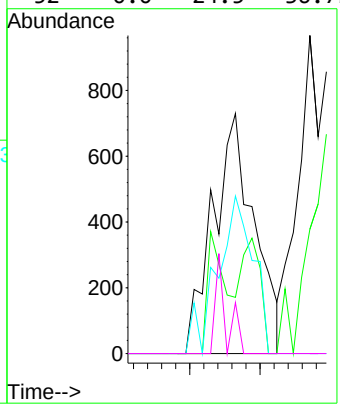
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

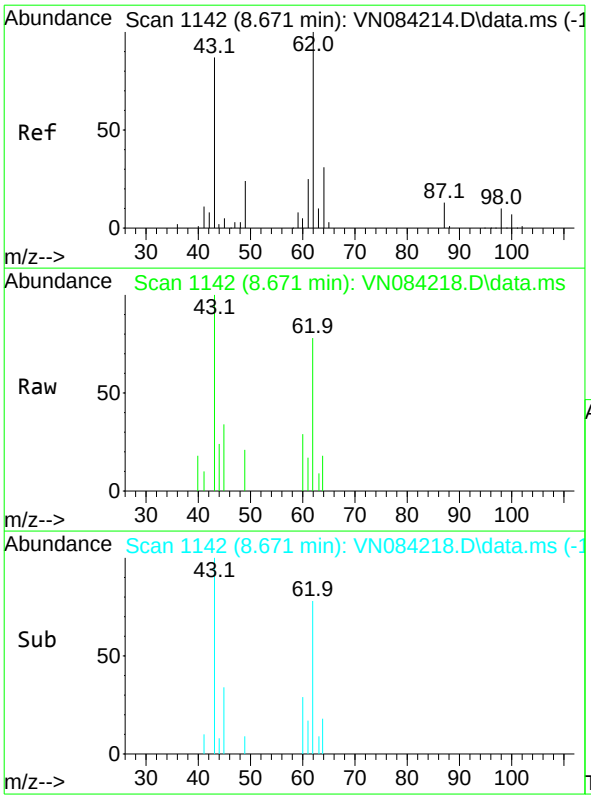


#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

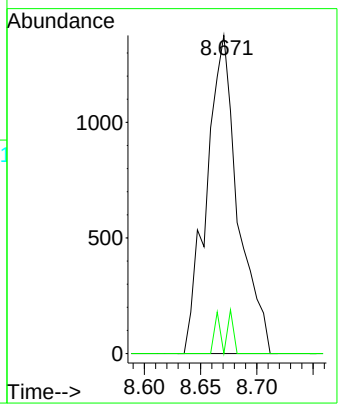




#42
1,2-Dichloroethane
Concen: 0.909 ug/l
RT: 8.671 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 2669

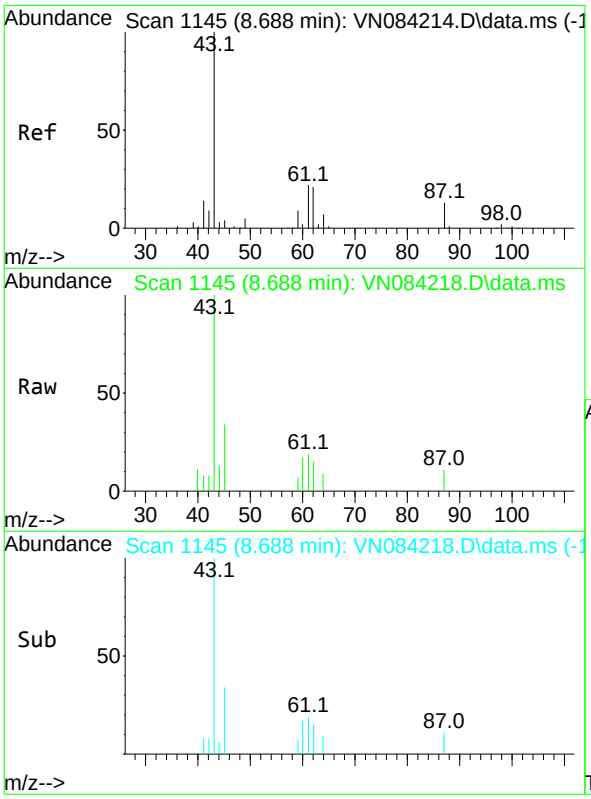
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	18.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

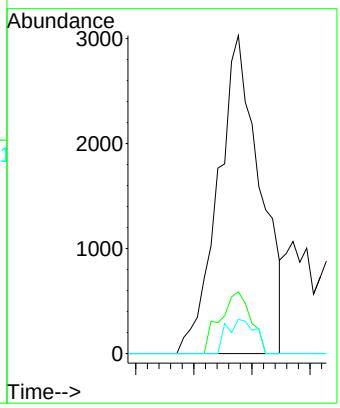
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

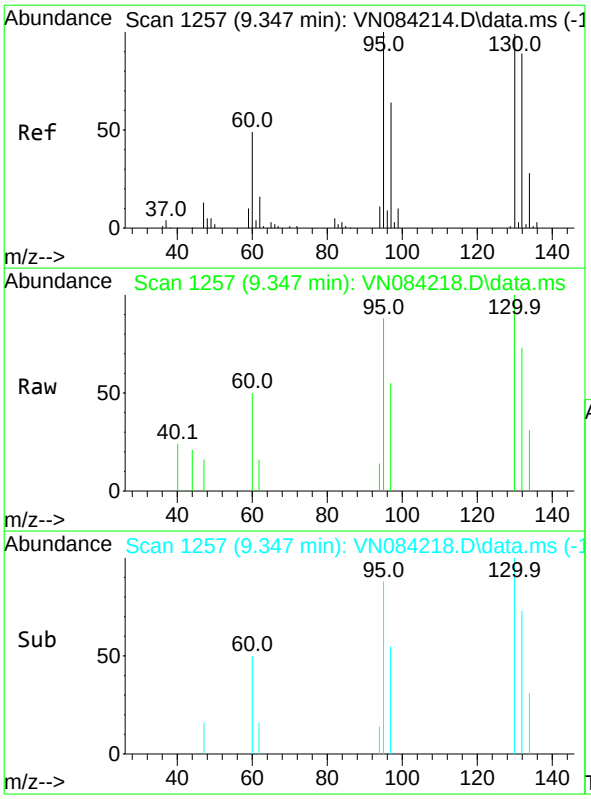


#43
Isopropyl Acetate
Concen: 1.364 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

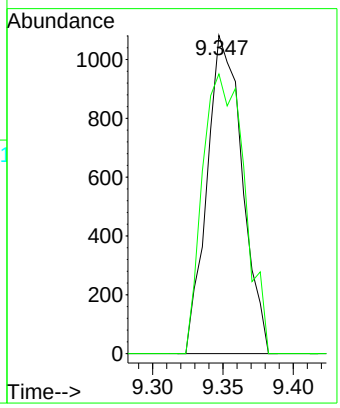




#44
Trichloroethene
Concen: 0.932 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:130 Resp: 1885

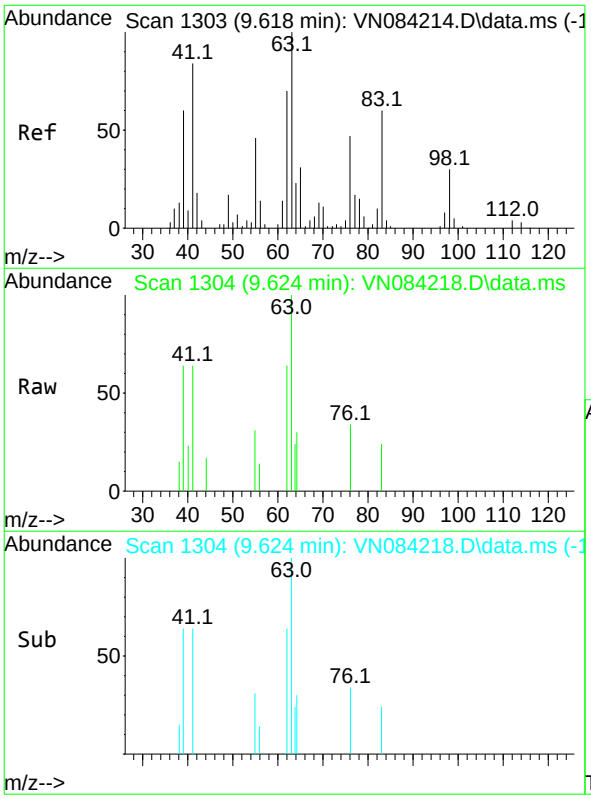
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	203.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

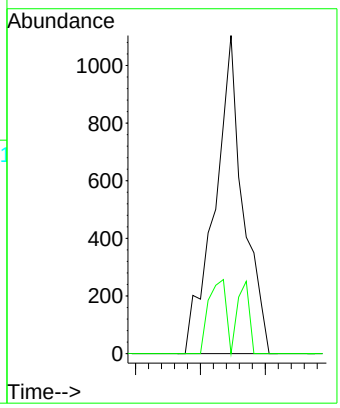
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

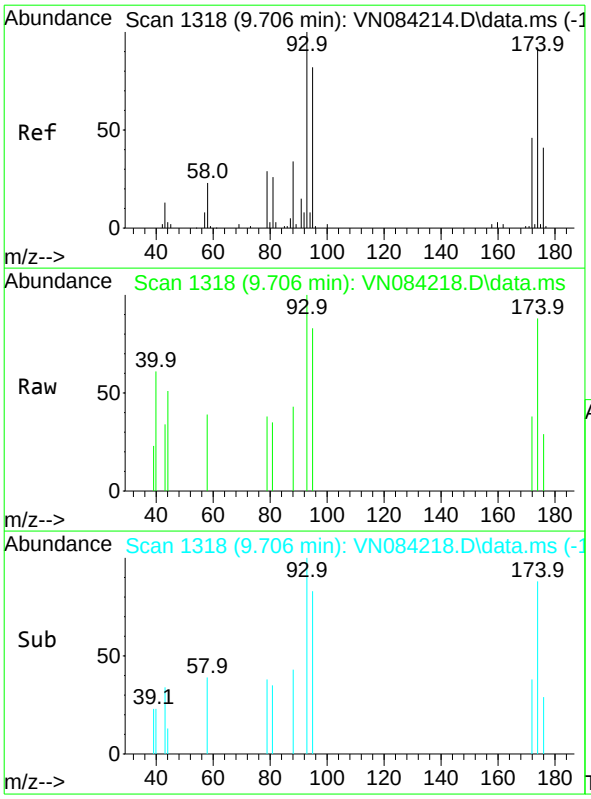


#45
1,2-Dichloropropane
Concen: 0.818 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 1676

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#

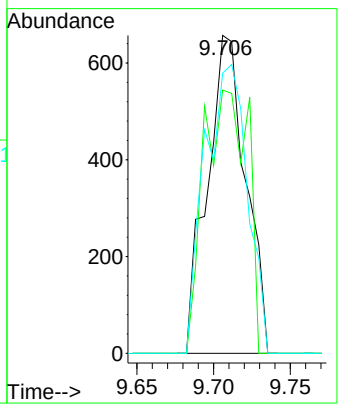




#46
Dibromomethane
Concen: 0.828 ug/l
RT: 9.706 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 93 Resp: 1144

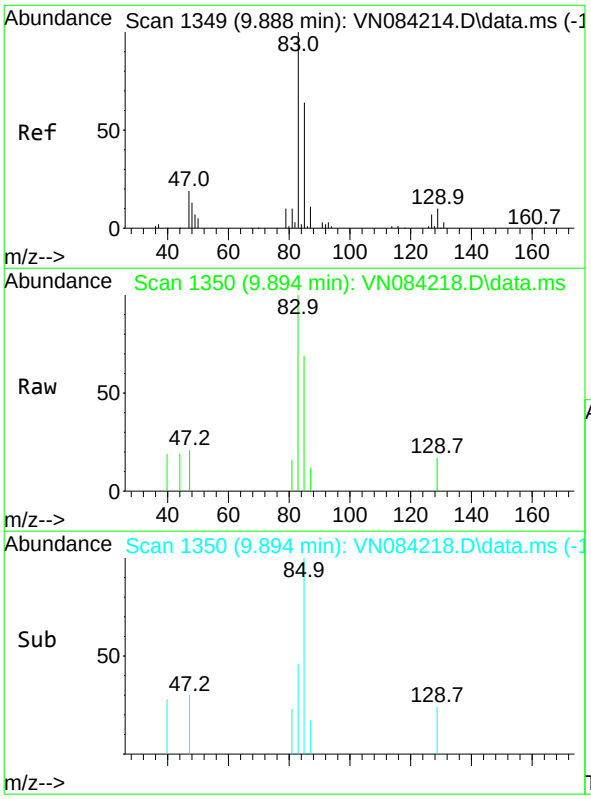
Ion	Ratio	Lower	Upper
93	100		
95	95.1	65.0	97.4
174	100.3	71.8	107.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

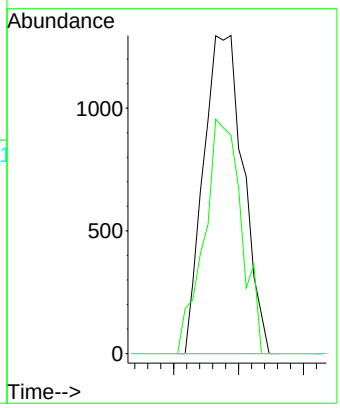
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

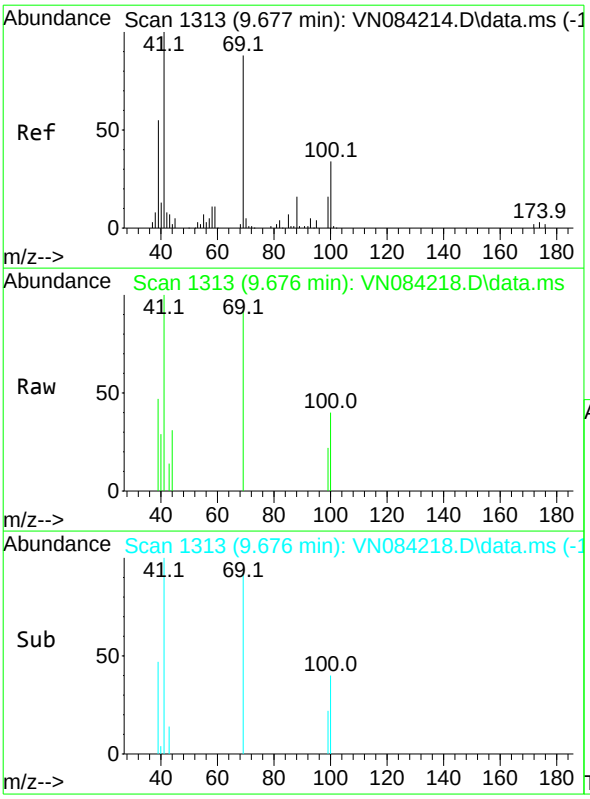


#47
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

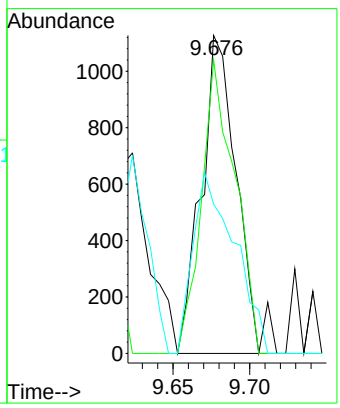




#48
Methyl methacrylate
Concen: 0.821 ug/l
RT: 9.676 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 41 Resp: 1824

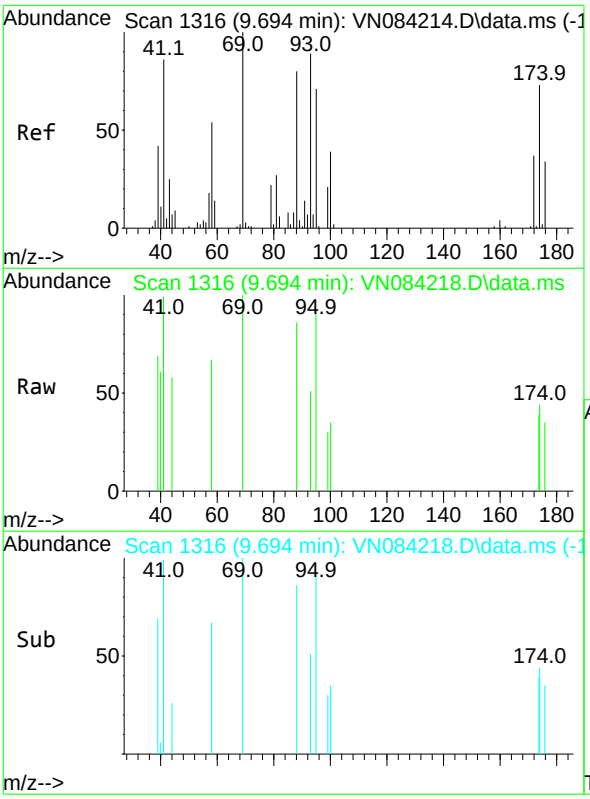
Ion	Ratio	Lower	Upper
41	100		
69	86.5	67.1	100.7
39	66.4	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

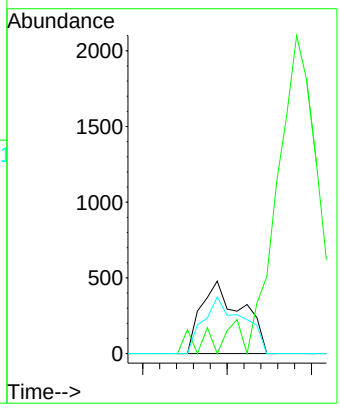
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

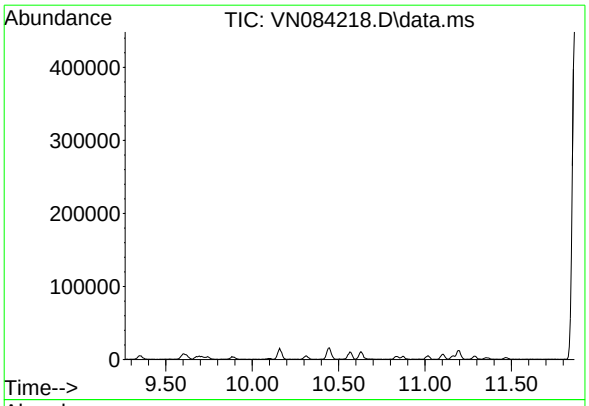


#49
1,4-Dioxane
Concen: 19.552 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

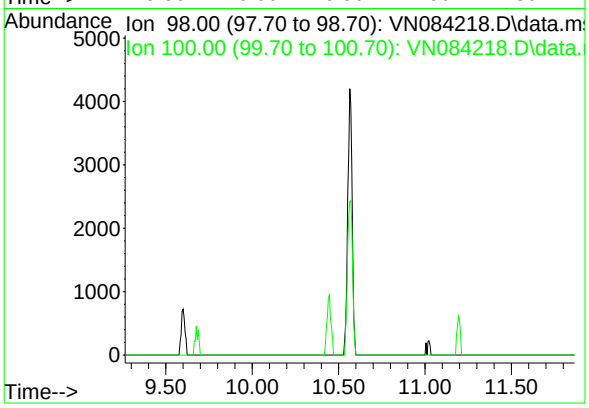
Tgt Ion: 98

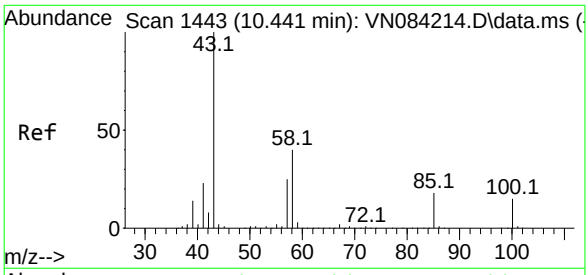
Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

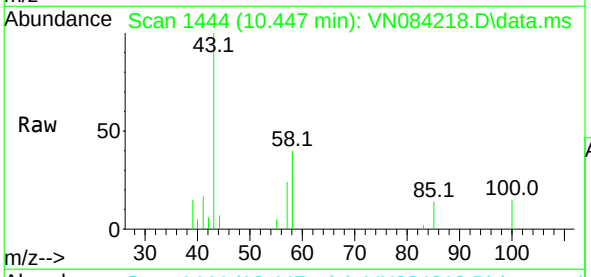


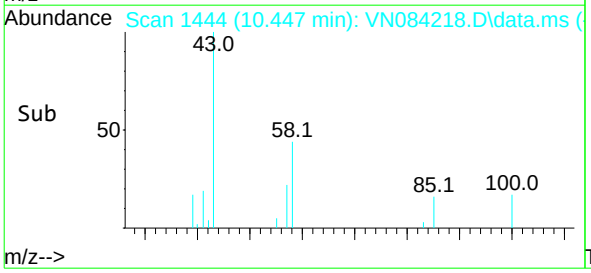


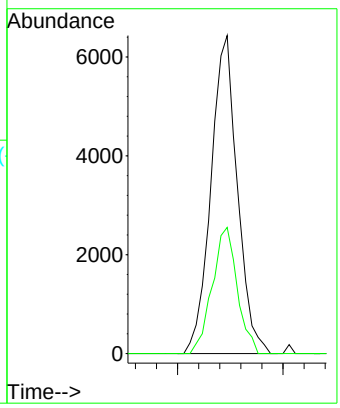
#51
4-Methyl-2-Pentanone
Concen: 4.134 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

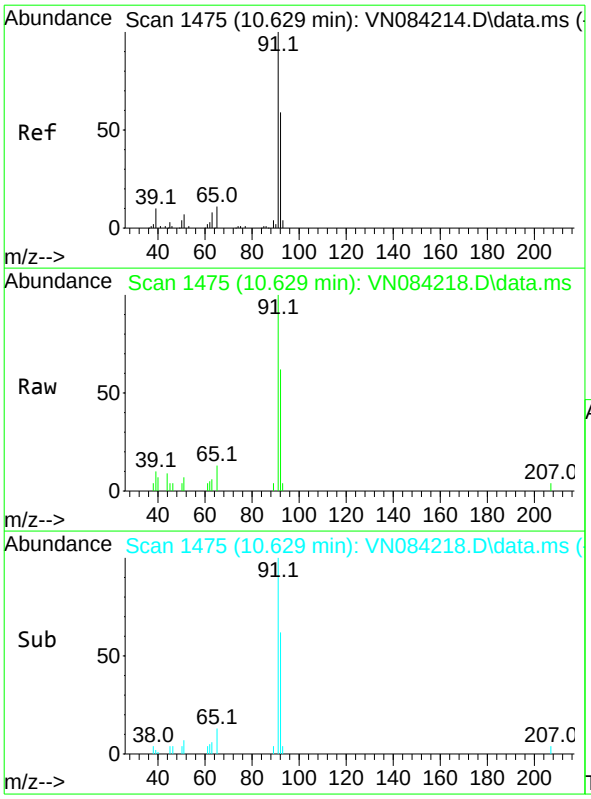
Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4





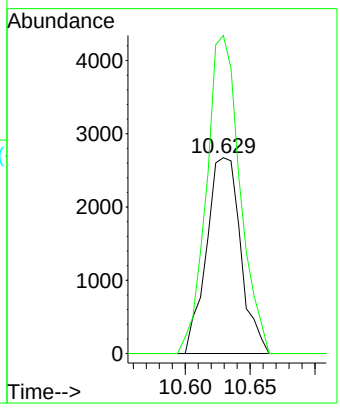




#52
Toluene
Concen: 0.923 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 92 Resp: 4875

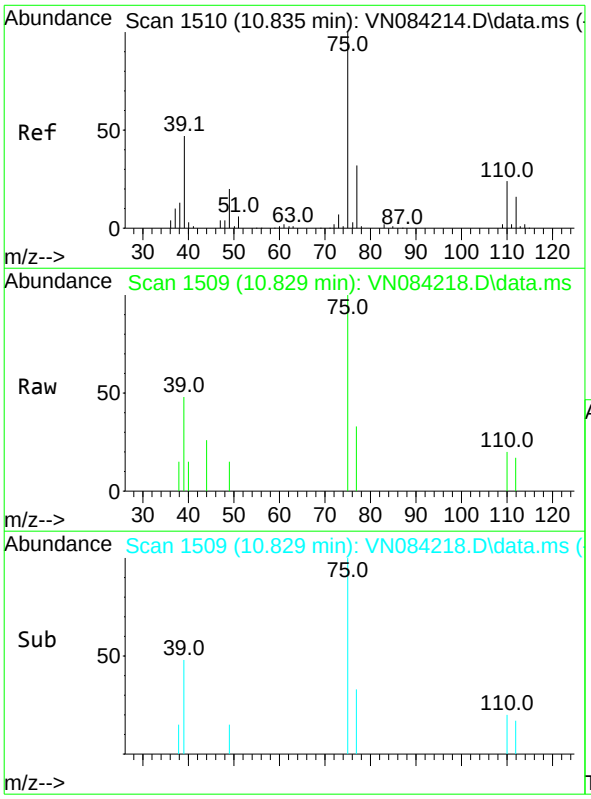
Ion	Ratio	Lower	Upper
92	100		
91	159.8	137.3	205.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

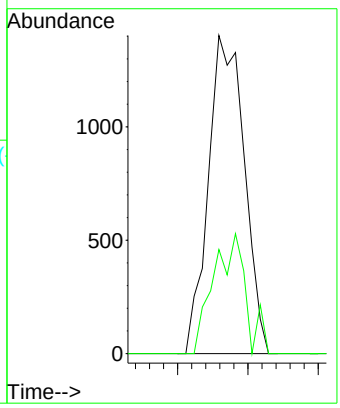
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

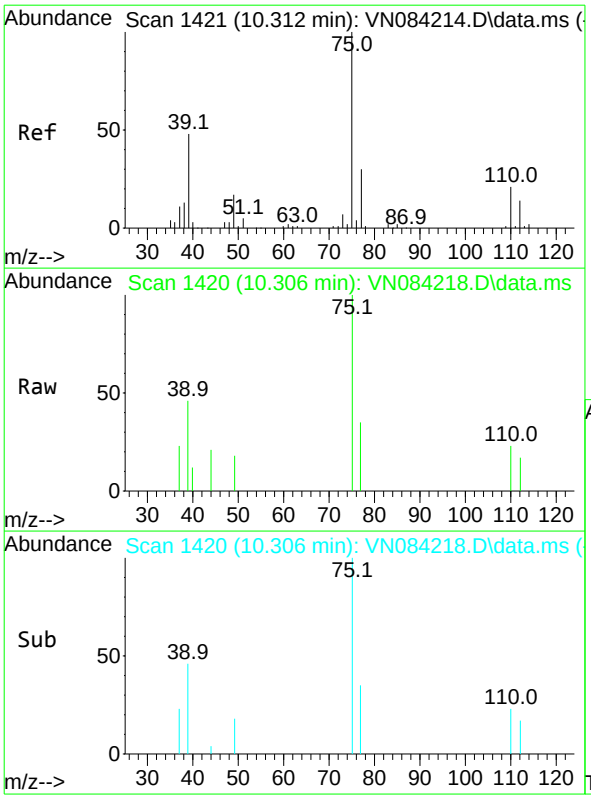


#53
t-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

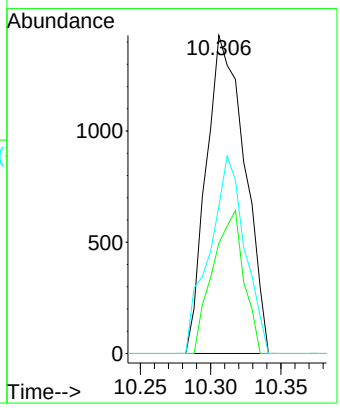




#54
cis-1,3-Dichloropropene
Concen: 0.808 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 2720

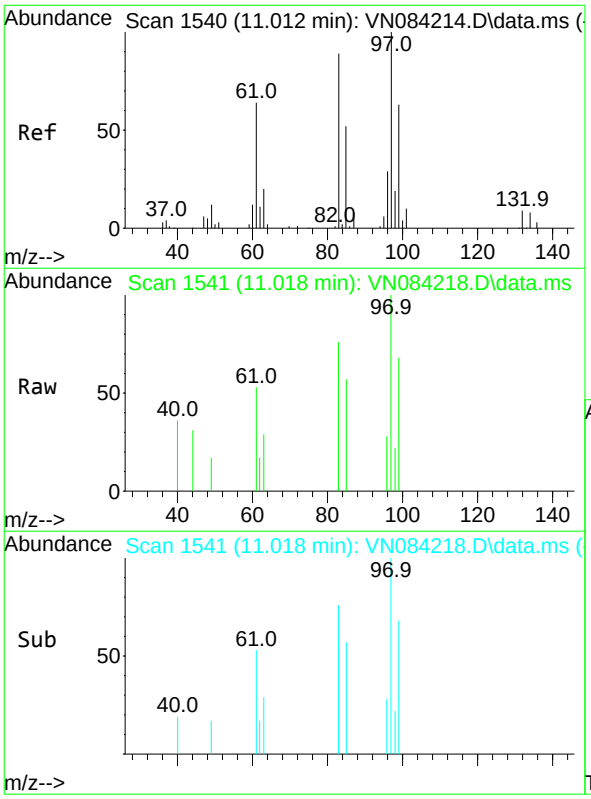
Ion	Ratio	Lower	Upper
75	100		
77	34.6	24.2	36.2
39	46.3	38.7	58.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

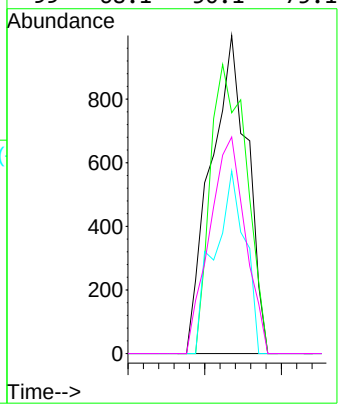
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

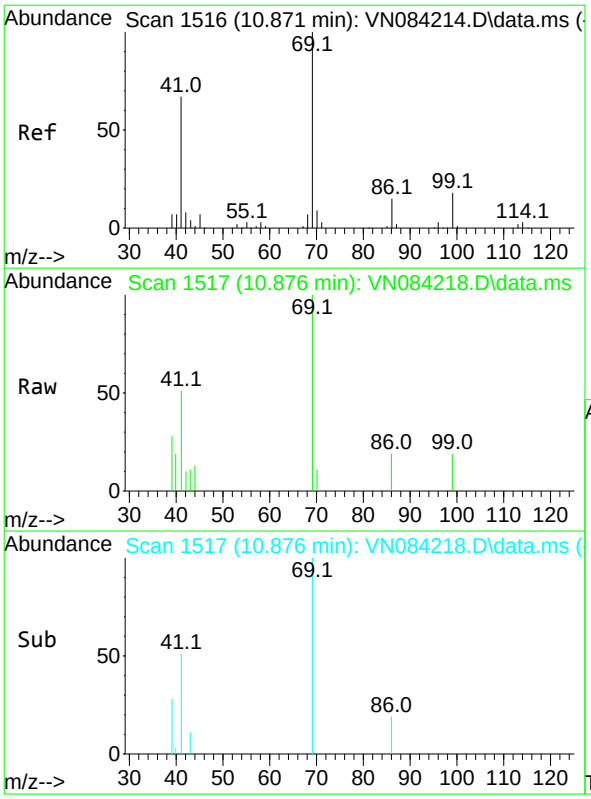


#55
1,1,2-Trichloroethane
Concen: 0.882 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

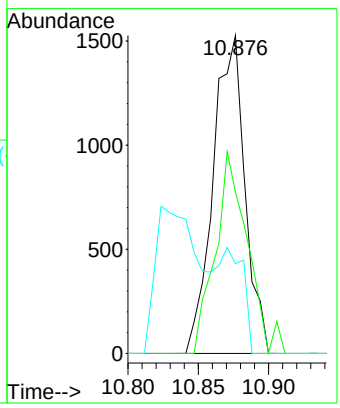




#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 69 Resp: 2402

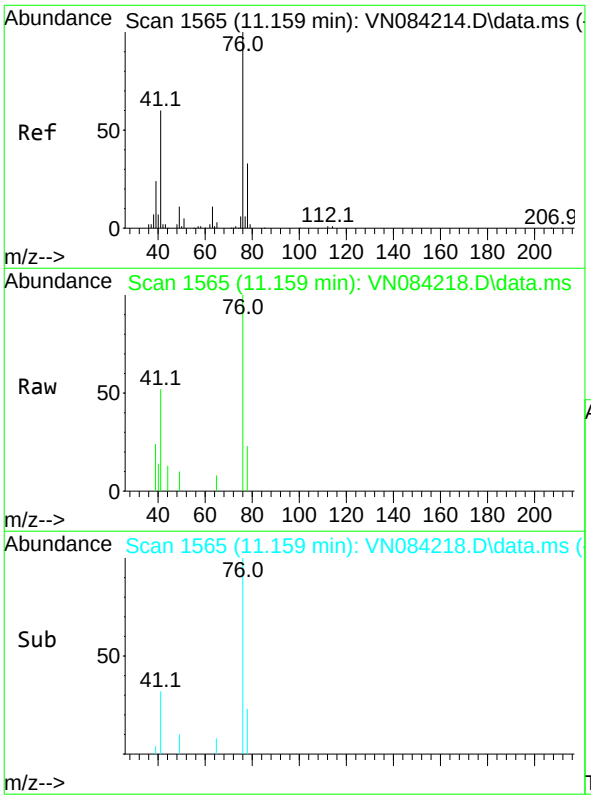
Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.3	79.9
39	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

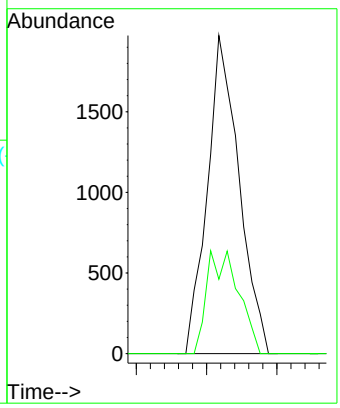
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

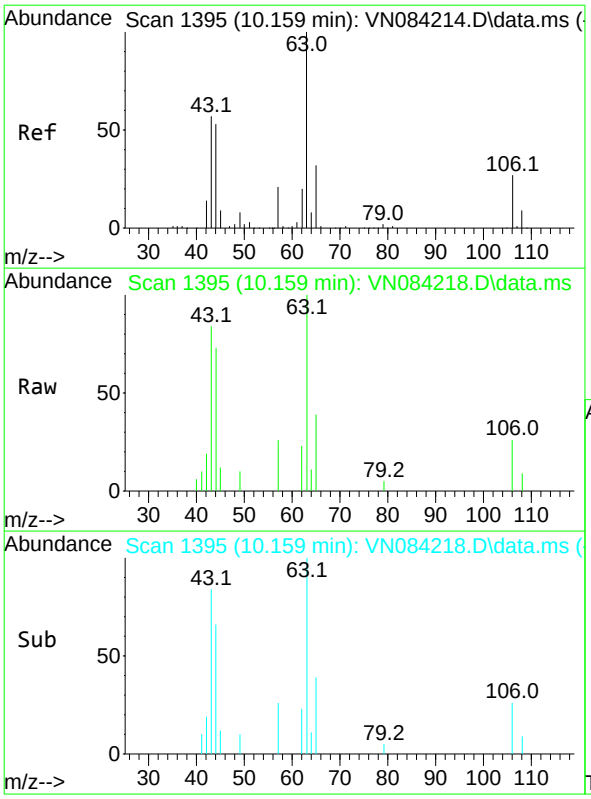


#57
1,3-Dichloropropane
Concen: 0.914 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

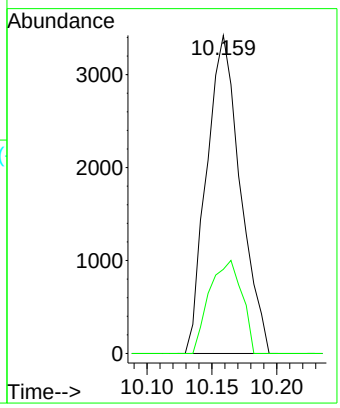
Tgt Ion: 63 Resp: 6179

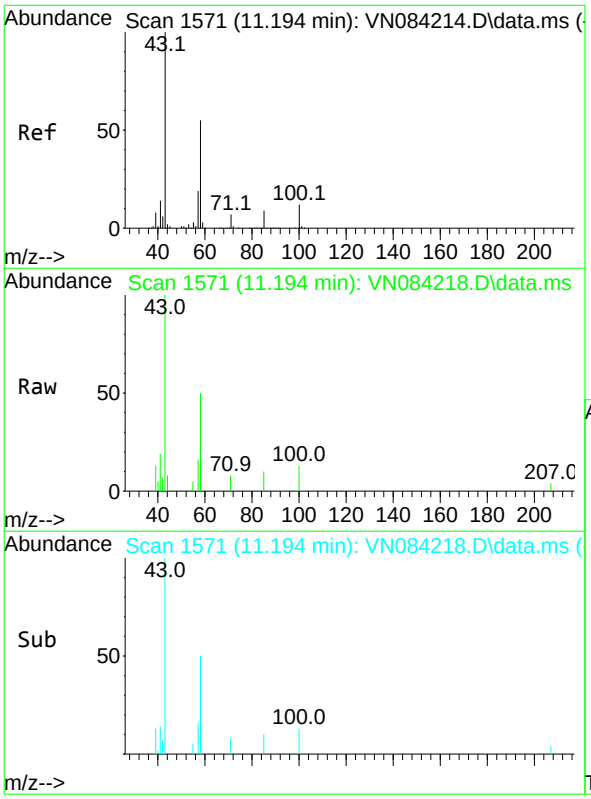
Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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

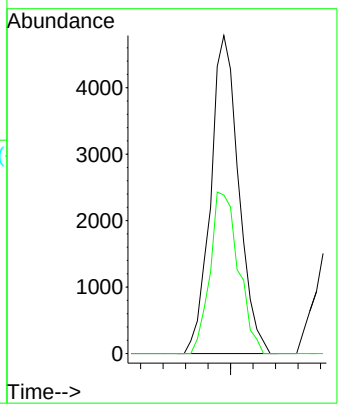


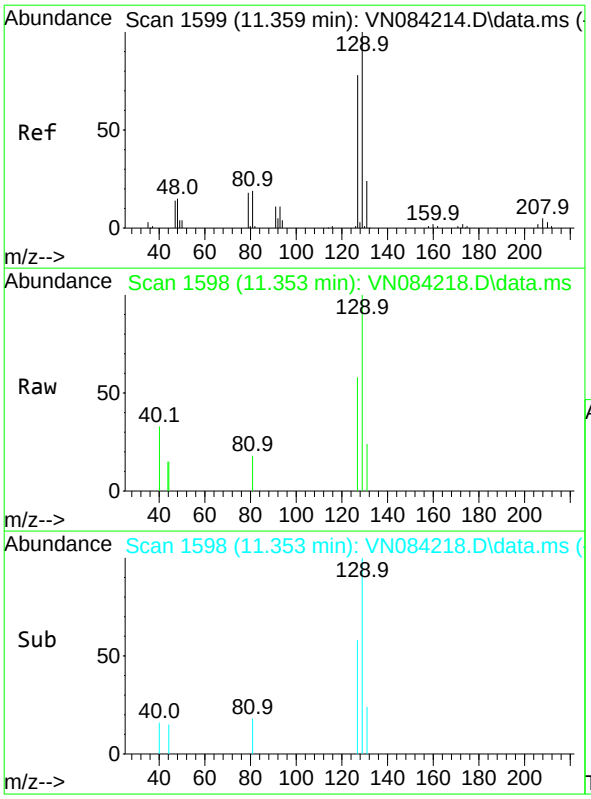


#59
2-Hexanone
Concen: 4.084 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 8282

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

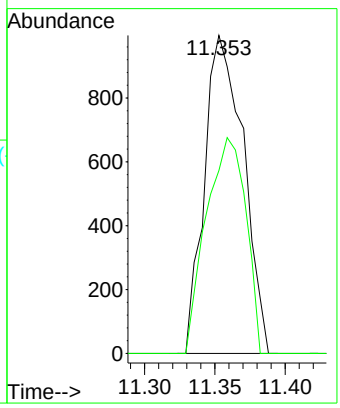




#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:129 Resp: 1916

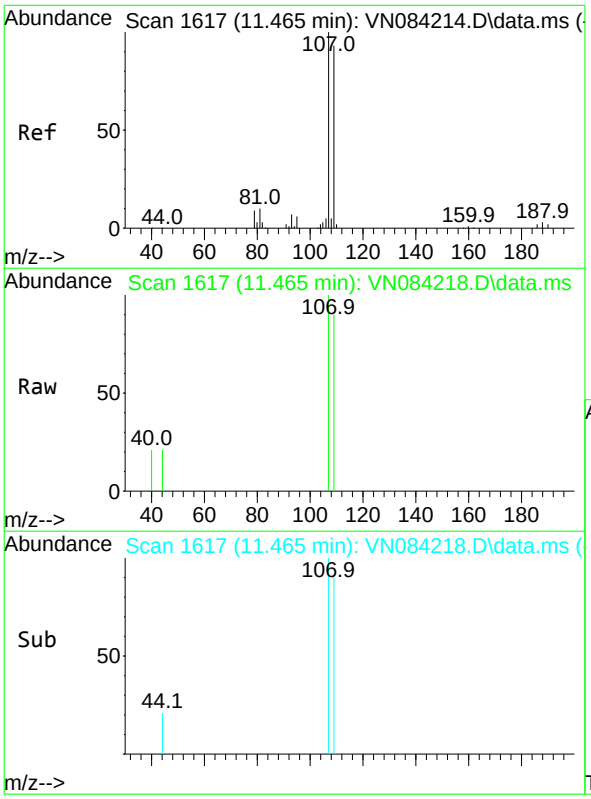
Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

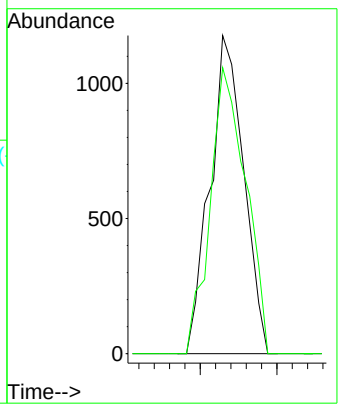
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

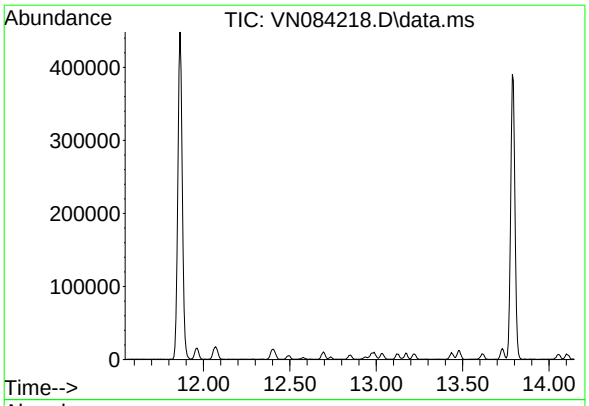


#61
1,2-Dibromoethane
Concen: 0.913 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

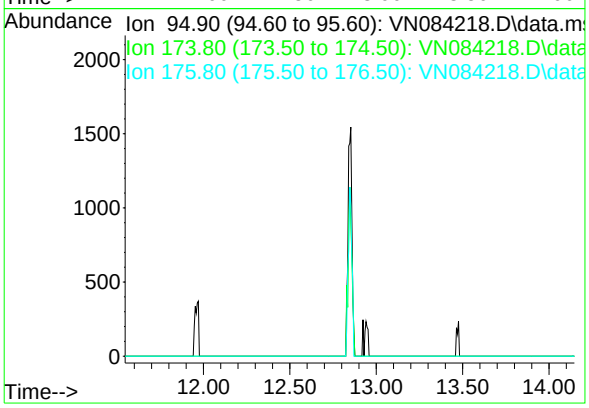
Tgt Ion: 95

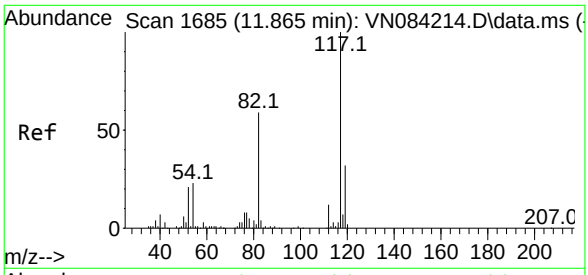
Sig	Exp Ratio
95	100
174	72.6
176	70.0

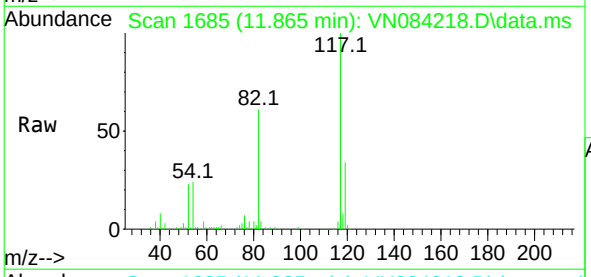
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

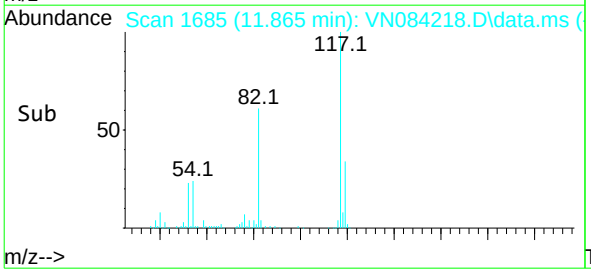
Manual Integrations
APPROVED

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





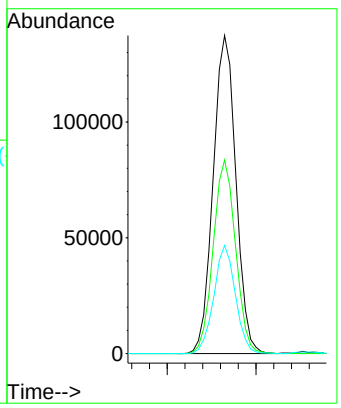


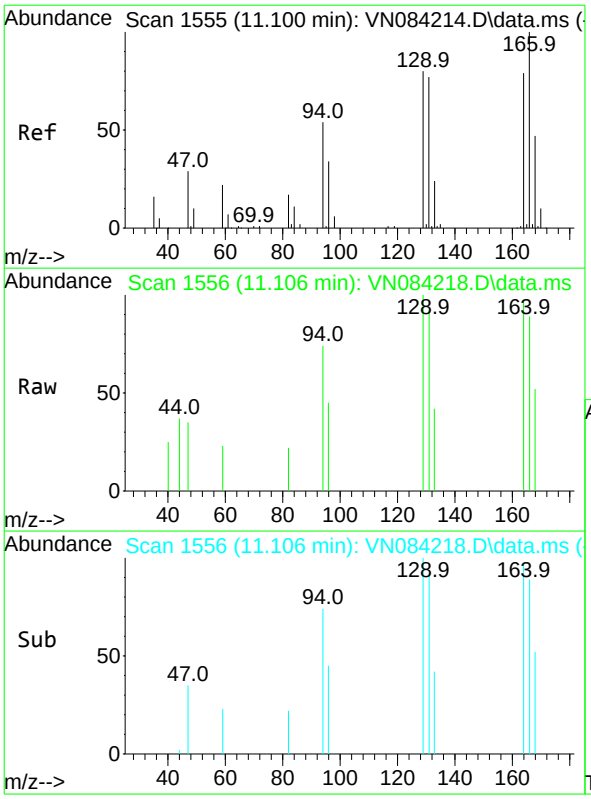


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

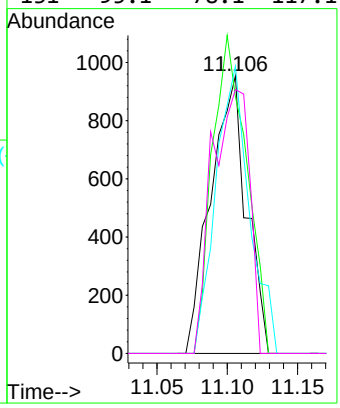




#64
Tetrachloroethene
Concen: 0.993 ug/l
RT: 11.106 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:164 Resp: 1690

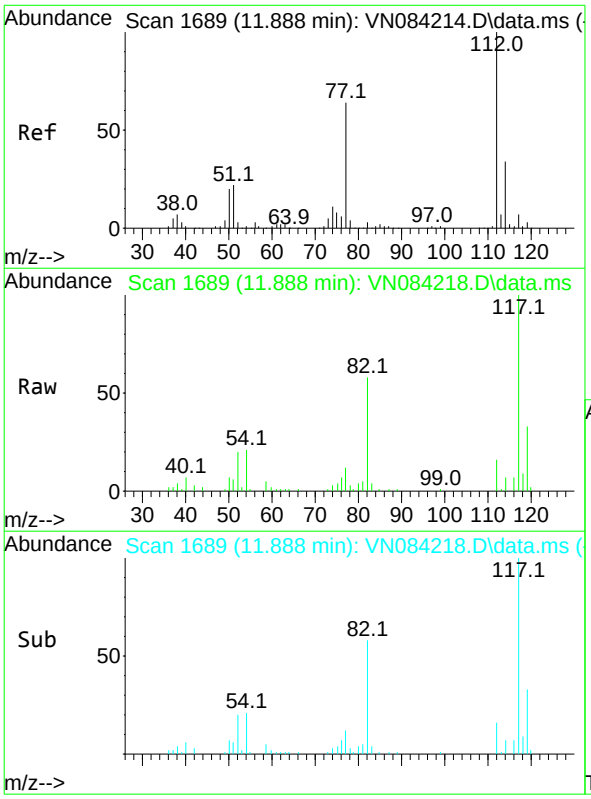
Ion	Ratio	Lower	Upper
164	100		
166	92.5	101.0	151.4#
129	103.5	80.8	121.2
131	95.1	78.1	117.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

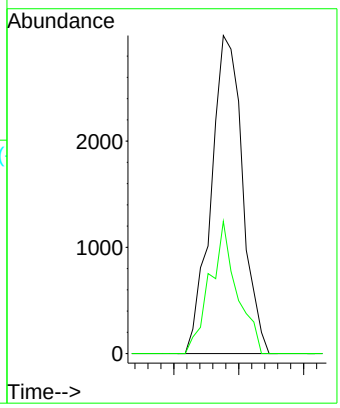
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

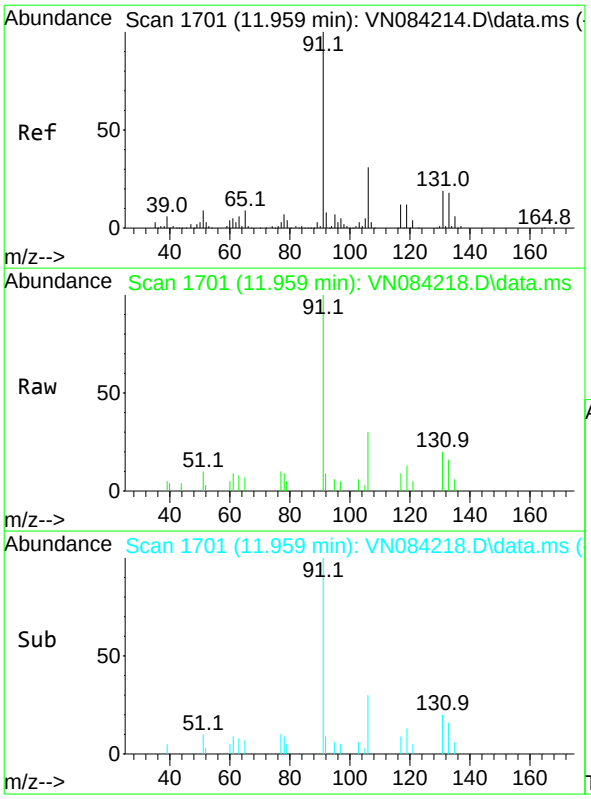


#65
Chlorobenzene
Concen: 0.927 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:112 Resp: 5025

Ion	Ratio	Lower	Upper
112	100		
114	41.6	27.0	40.6#

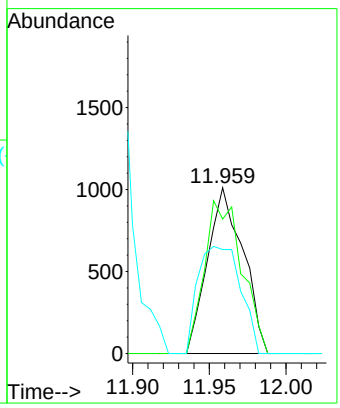




#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:131 Resp: 1632

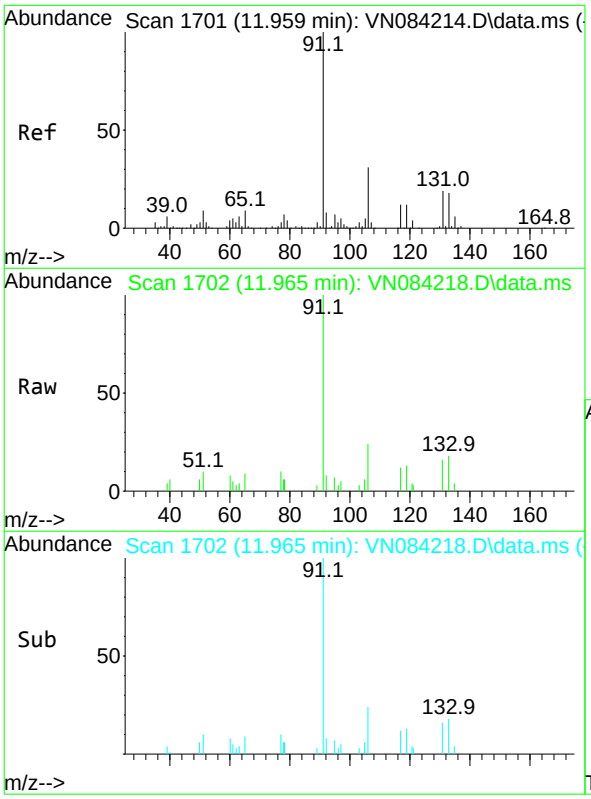
Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	0.0	32.8	98.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

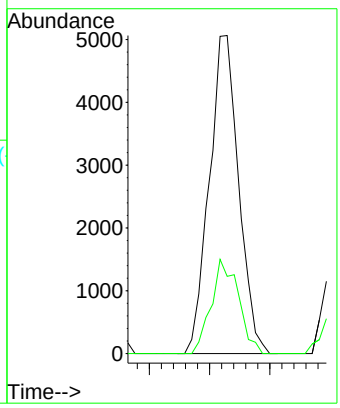
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

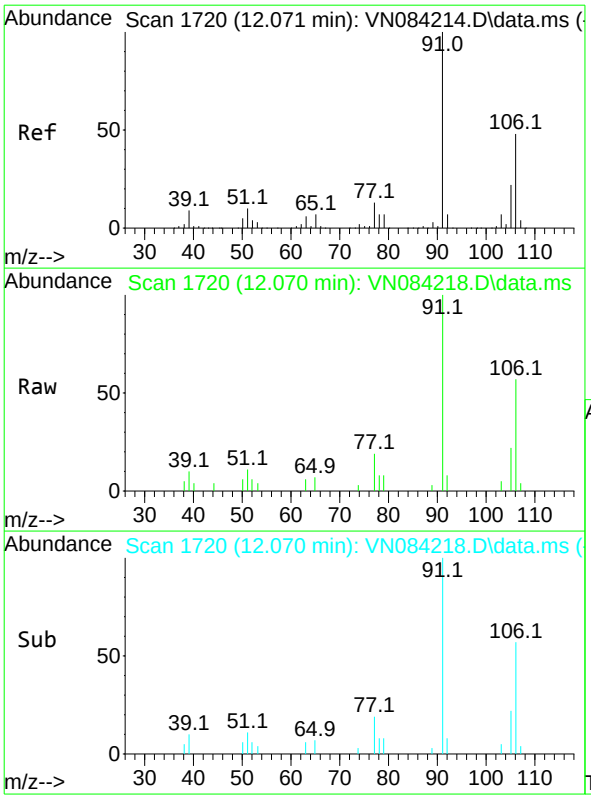


#67
Ethyl Benzene
Concen: 0.896 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 8582

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.5	36.7#

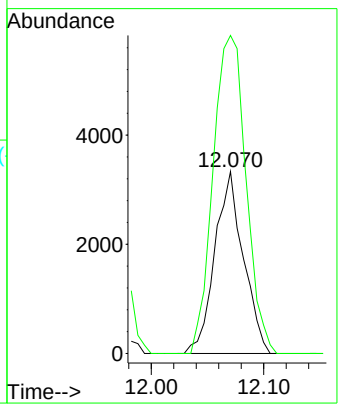




#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 5869

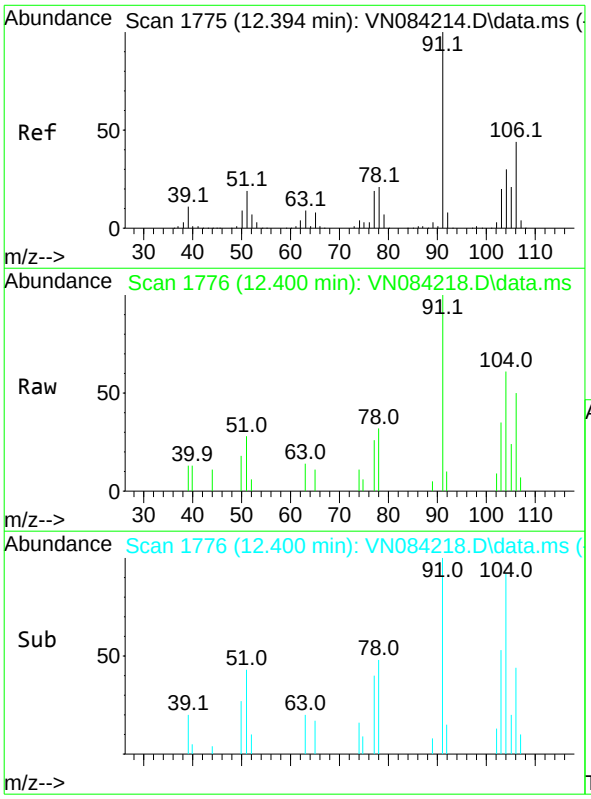
Ion	Ratio	Lower	Upper
106	100		
91	201.7	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

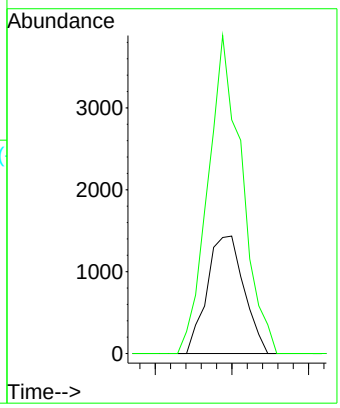
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

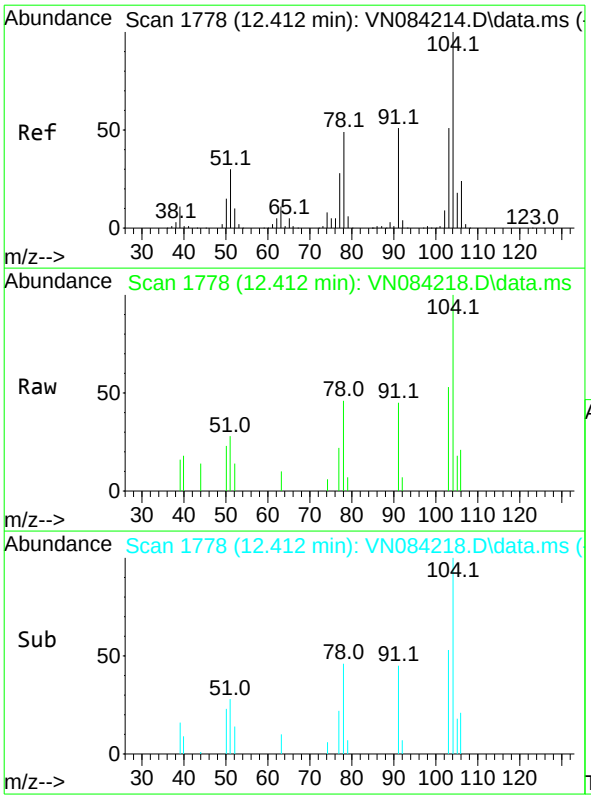


#69
o-Xylene
Concen: 0.715 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 2398

Ion	Ratio	Lower	Upper
106	100		
91	248.5	110.2	330.6

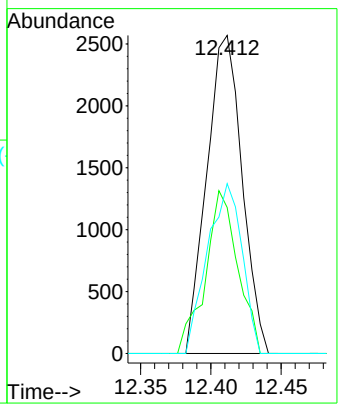




#70
Styrene
Concen: 0.790 ug/l
RT: 12.412 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:104 Resp: 4489

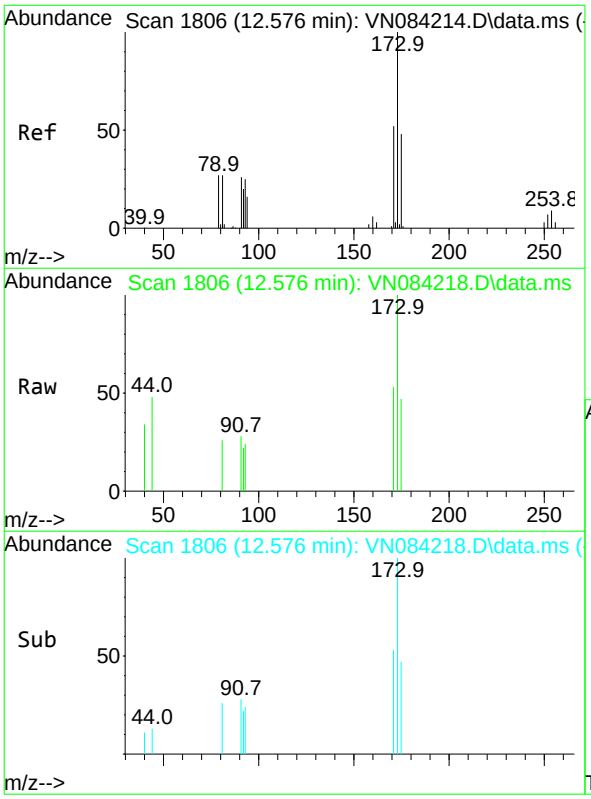
Ion	Ratio	Lower	Upper
104	100		
78	47.1	42.7	64.1
103	52.2	43.6	65.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

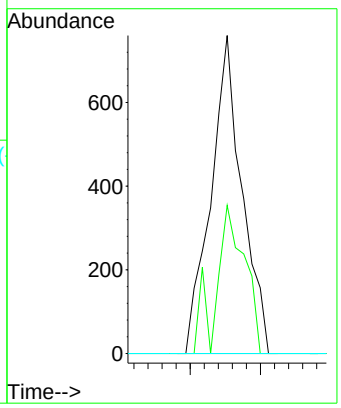
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

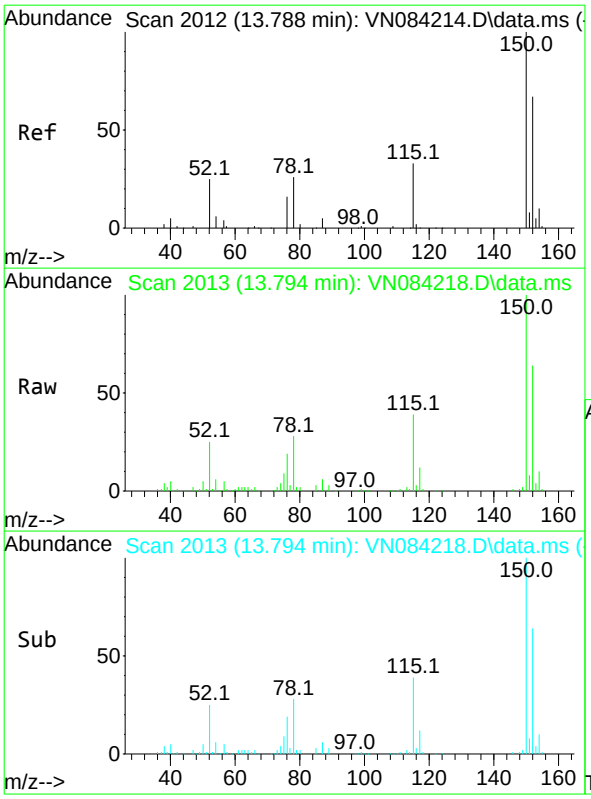


#71
Bromoform
Concen: 0.850 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

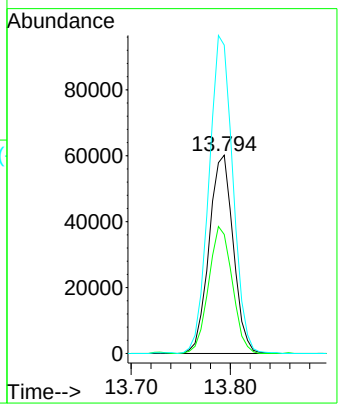




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:152 Resp: 101963

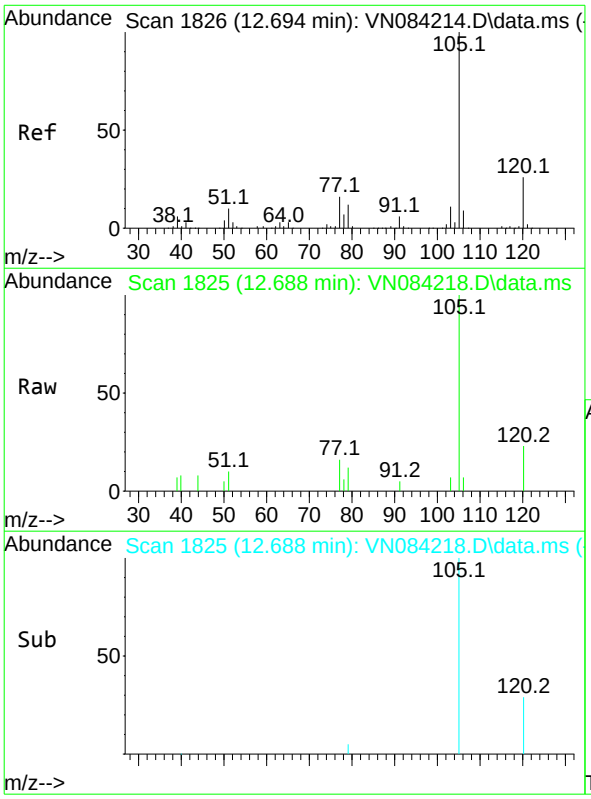
Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	159.0	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

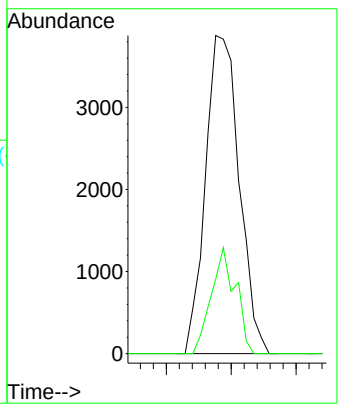
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

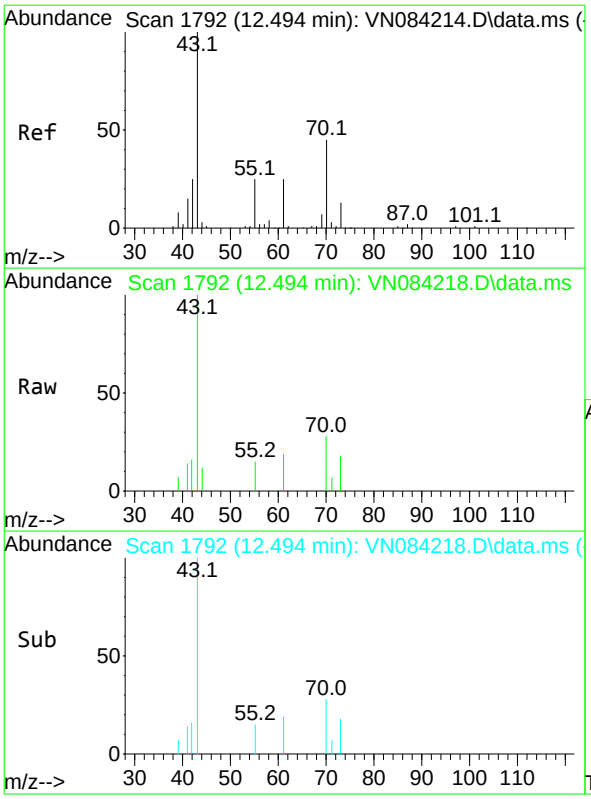


#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 6991

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.7

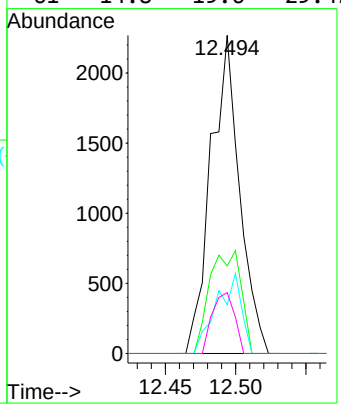




#74
N-amyl acetate
Concen: 0.916 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 3228

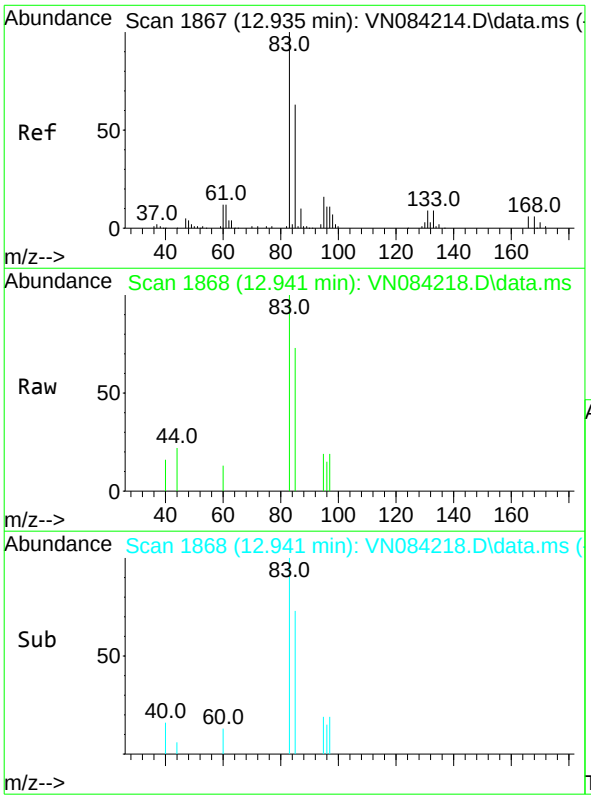
Ion	Ratio	Lower	Upper
43	100		
70	35.2	34.4	51.6
55	21.8	19.6	29.4
61	14.8	19.6	29.4#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

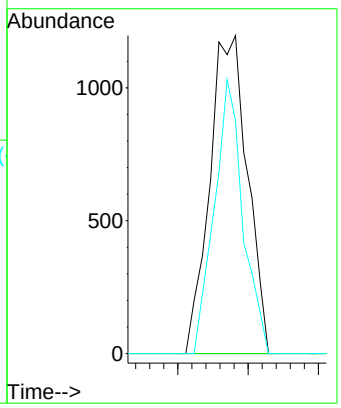
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

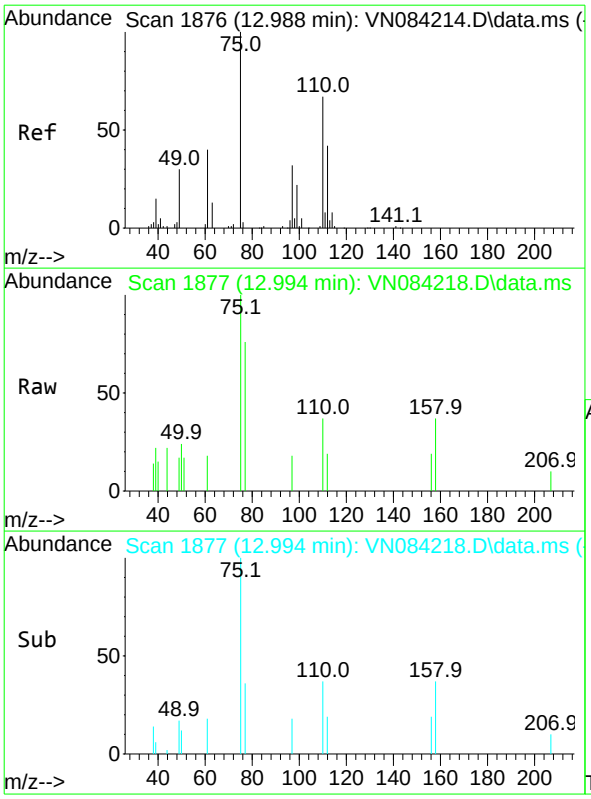


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

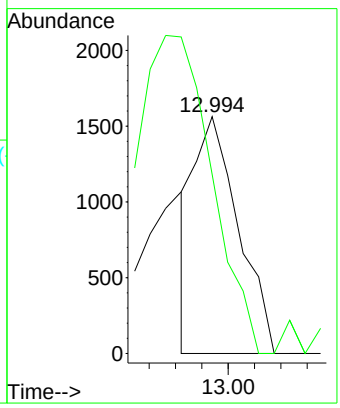




#76
1,2,3-Trichloropropane
Concen: 0.899 ug/l m
RT: 12.994 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 1826

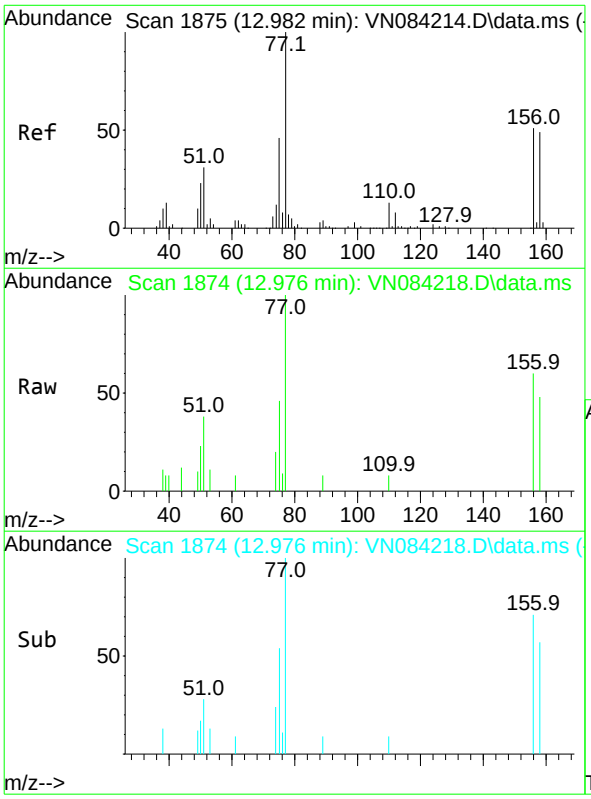
Ion	Ratio	Lower	Upper
75	100		
77	231.3	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

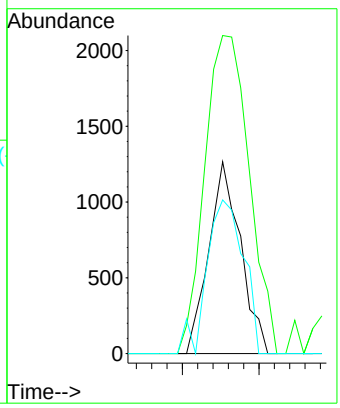
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

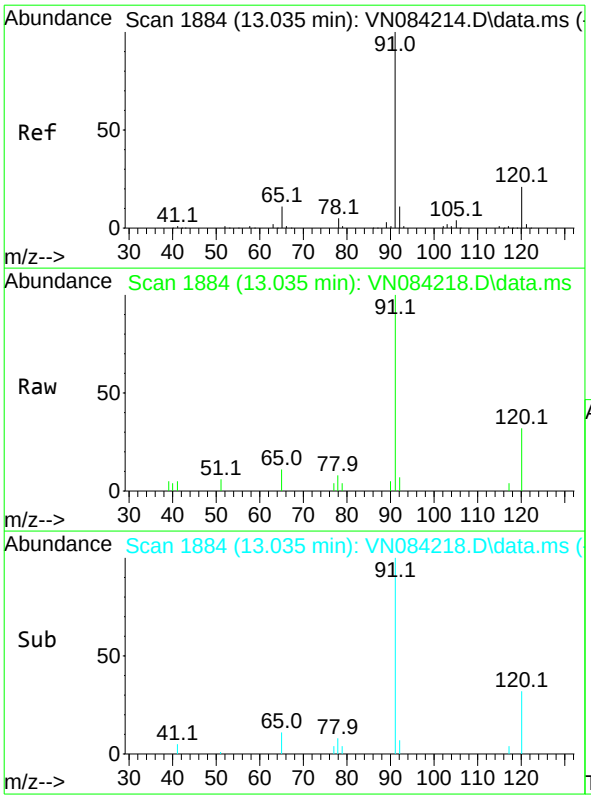


#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

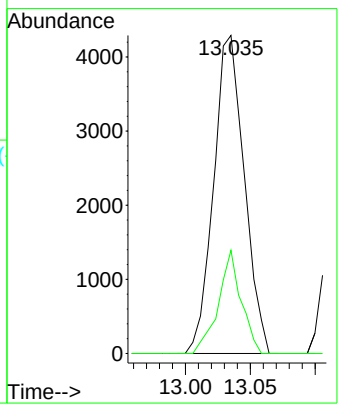




#78
n-propylbenzene
Concen: 0.781 ug/l
RT: 13.035 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 7045

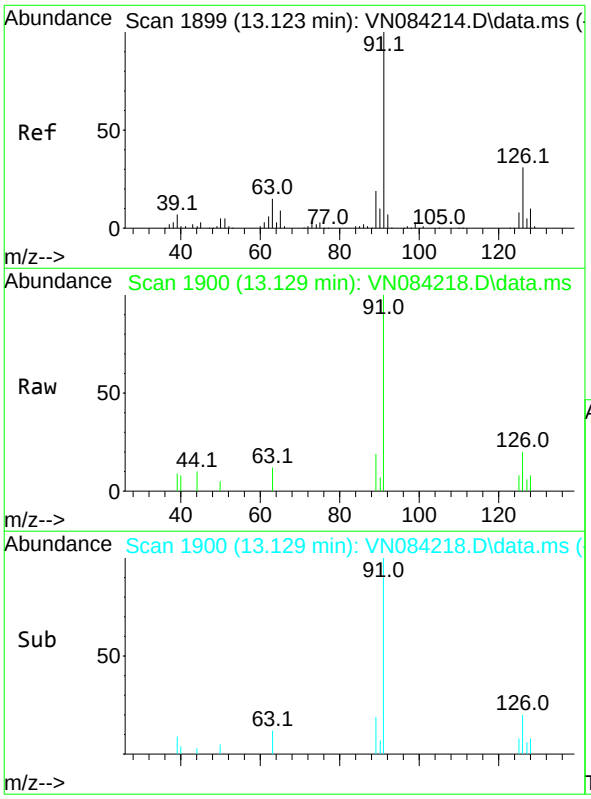
Ion	Ratio	Lower	Upper
91	100		
120	24.2	10.8	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

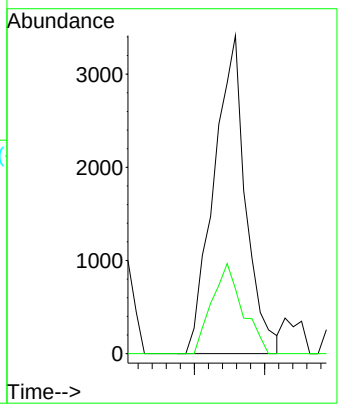
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

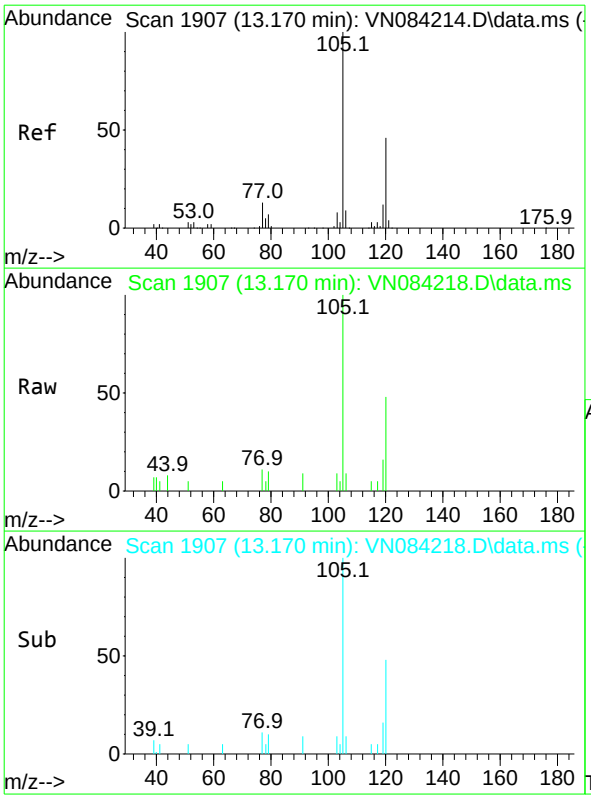


#79
2-Chlorotoluene
Concen: 0.936 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5383

Ion	Ratio	Lower	Upper
91	100		
126	27.2	15.7	47.1

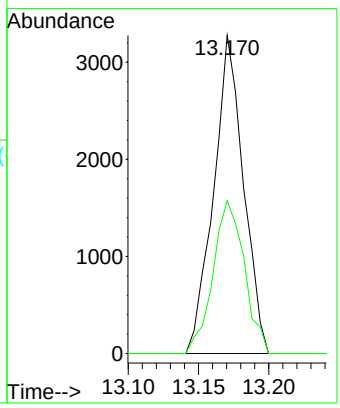




#80
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4830

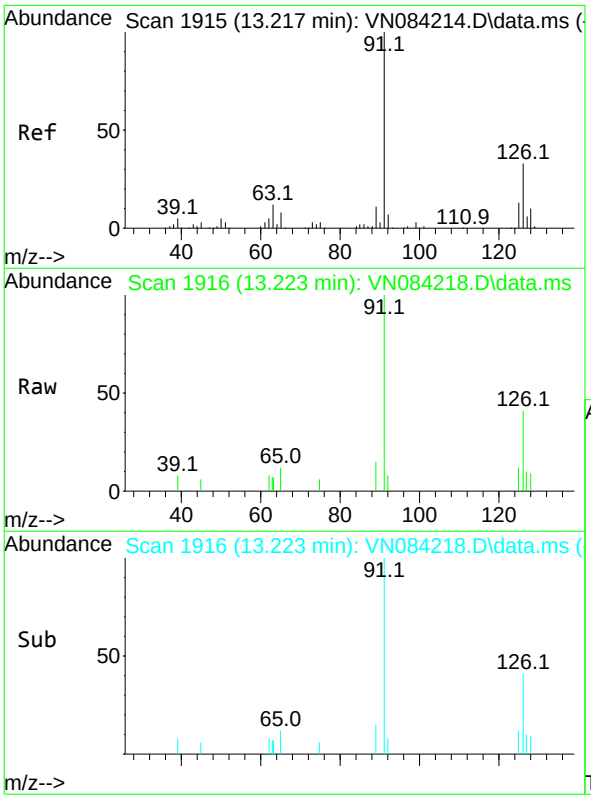
Ion	Ratio	Lower	Upper
105	100		
120	50.6	23.7	71.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

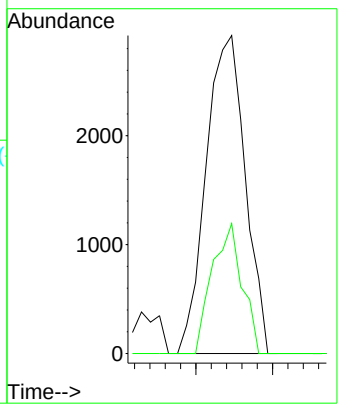
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

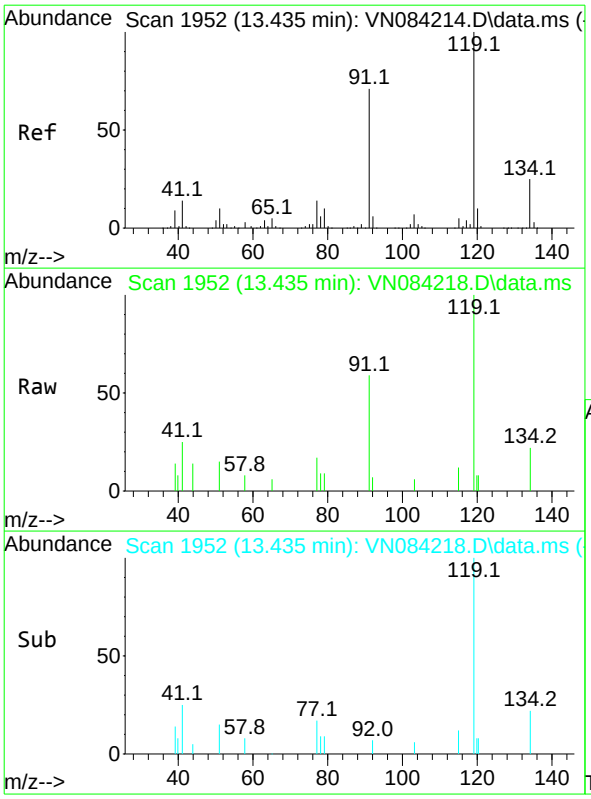


#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5174

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

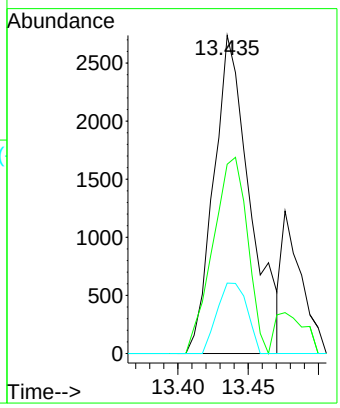




#83
tert-Butylbenzene
Concen: 0.870 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:119 Resp: 4909

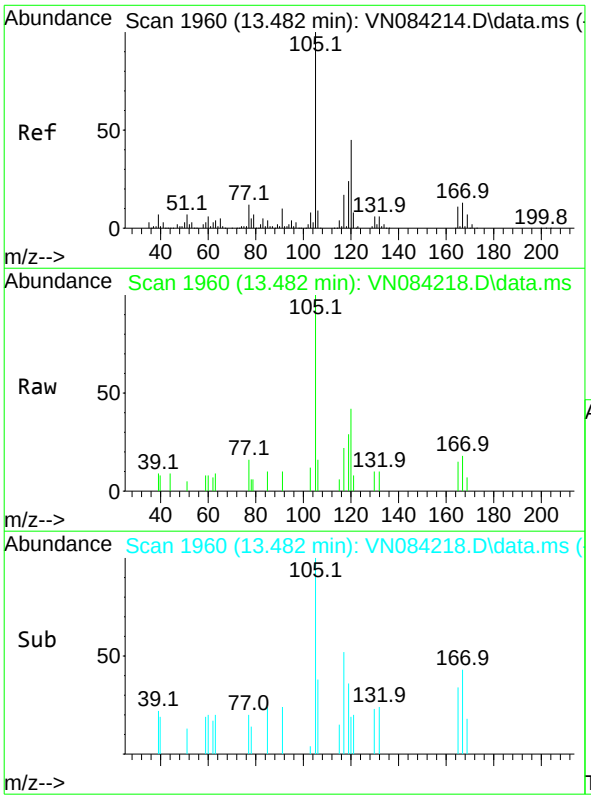
Ion	Ratio	Lower	Upper
119	100		
91	59.0	34.1	102.3
134	18.3	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

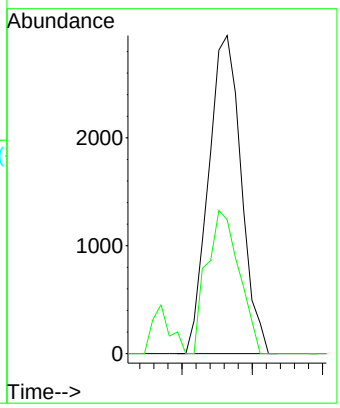
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

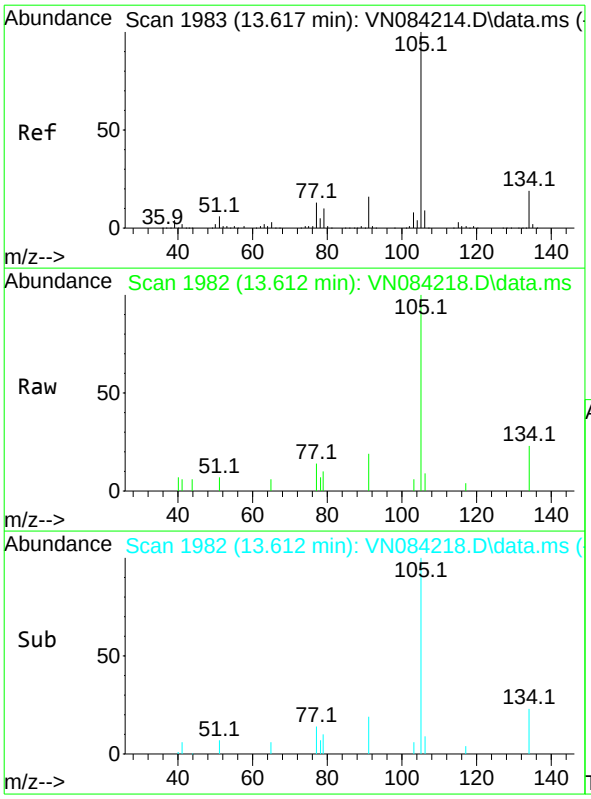


#84
1,2,4-Trimethylbenzene
Concen: 0.744 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4760

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8

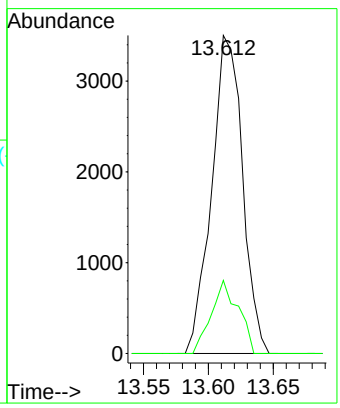




#85
sec-Butylbenzene
Concen: 0.770 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 5795

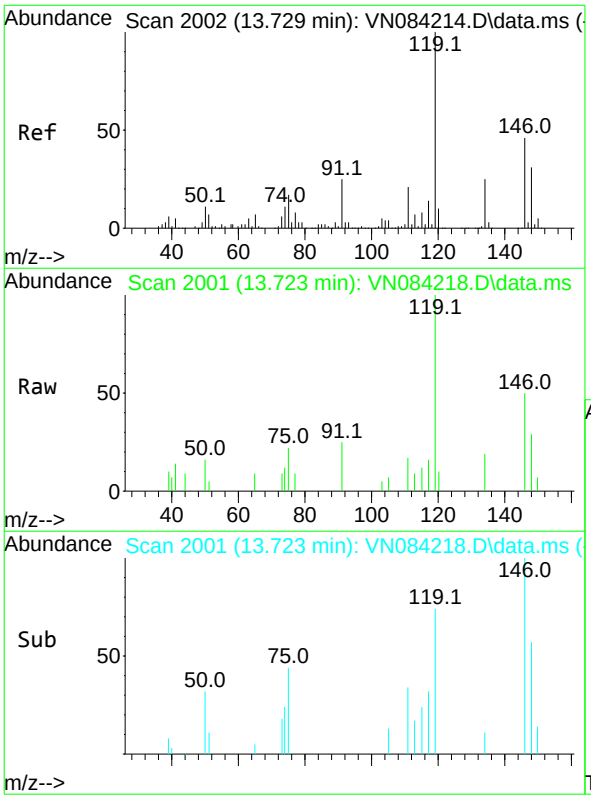
Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

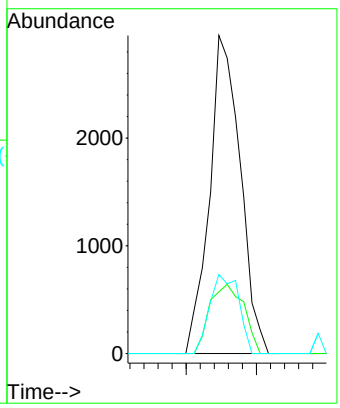
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

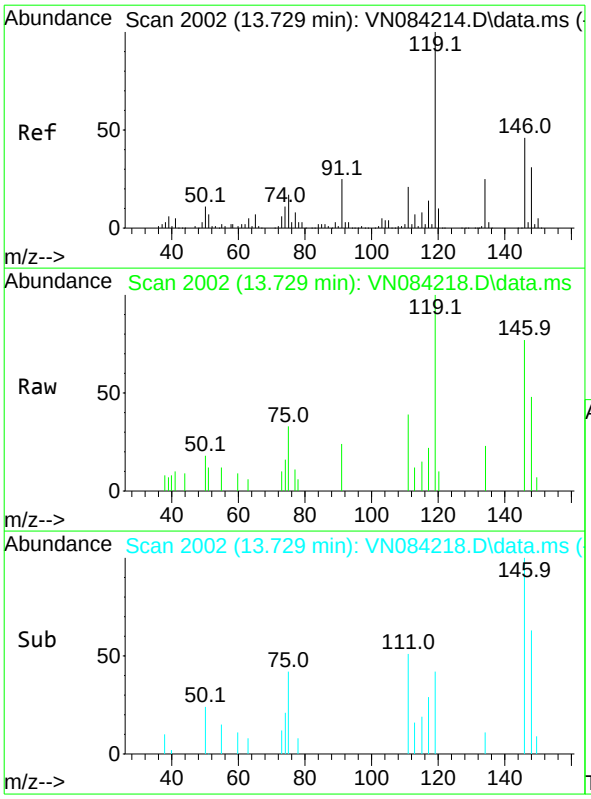


#86
p-Isopropyltoluene
Concen: 0.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

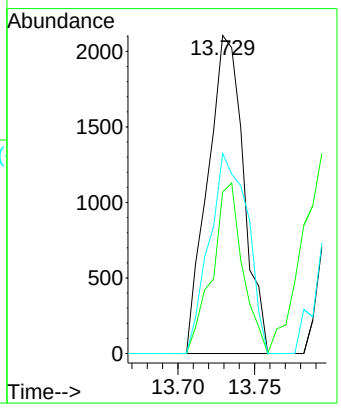




#87
1,3-Dichlorobenzene
Concen: 0.972 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3424

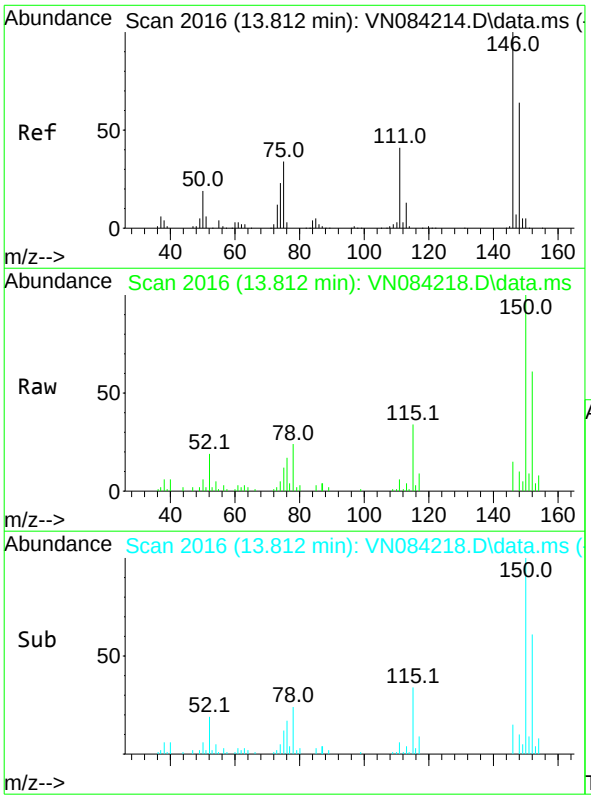
Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.8	65.3
148	67.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

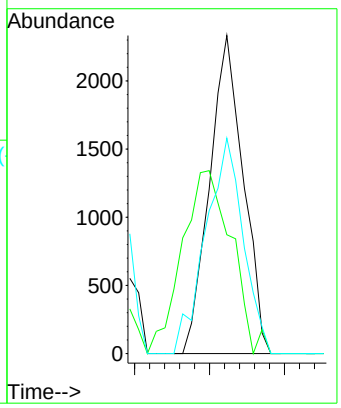
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

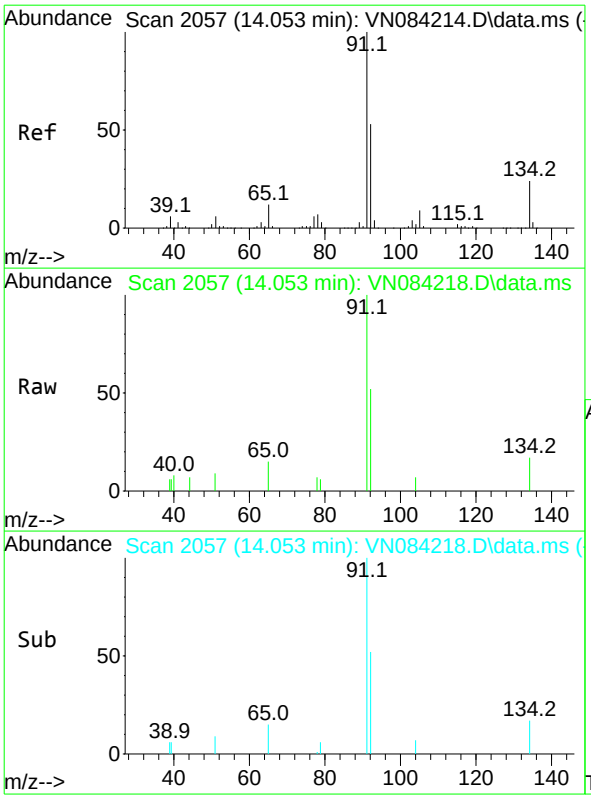


#88
1,4-Dichlorobenzene
Concen: 1.026 ug/l m
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

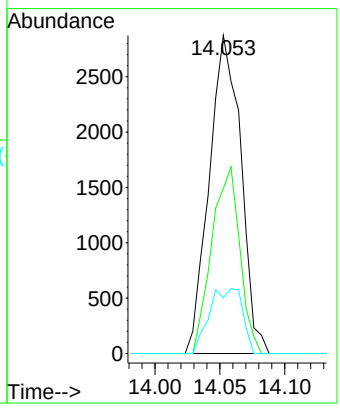




#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 4866

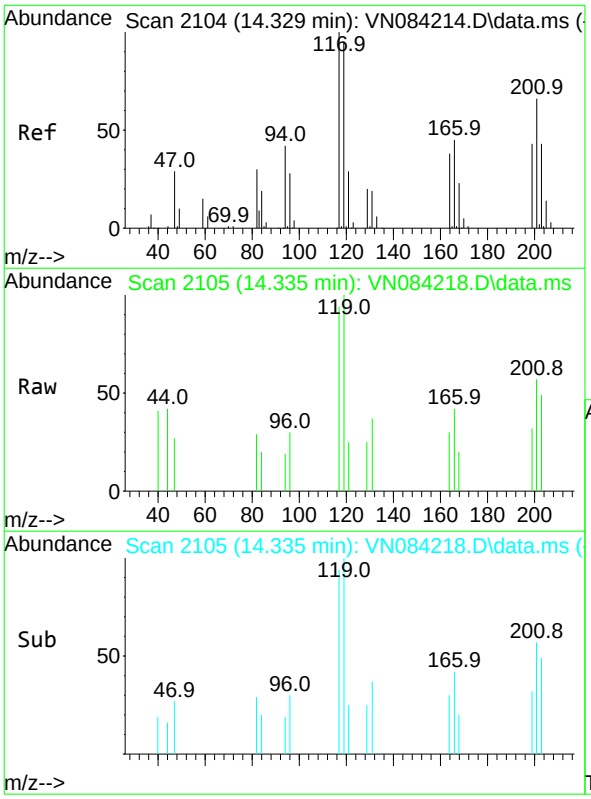
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	21.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

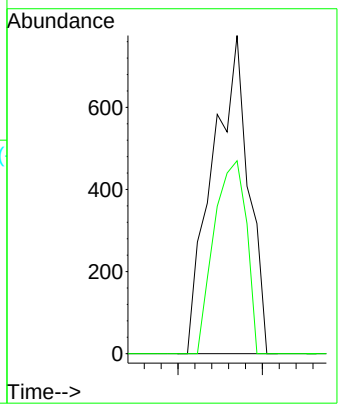
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

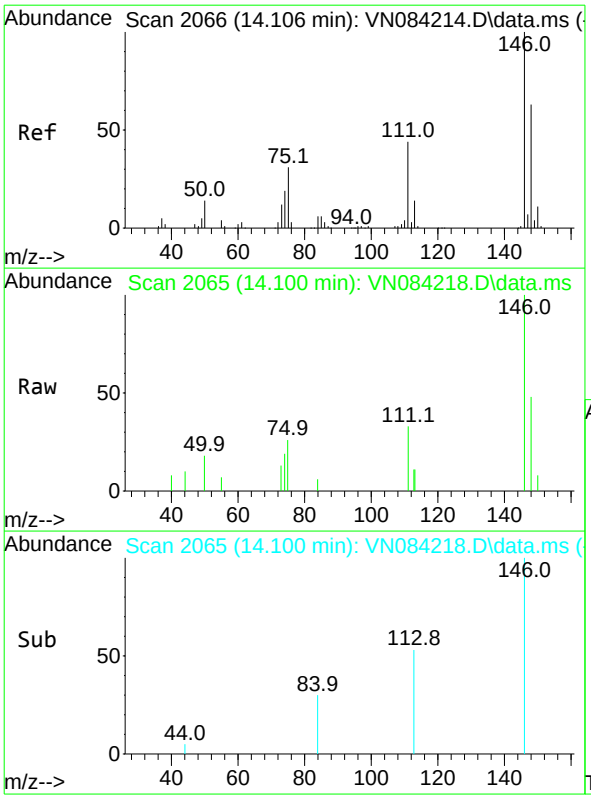


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 1151

Ion	Ratio	Lower	Upper
117	100		
201	54.3	34.4	103.2

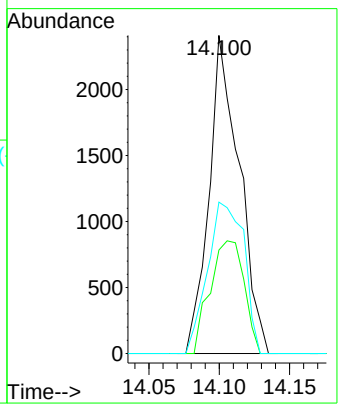




#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:146 Resp: 3610

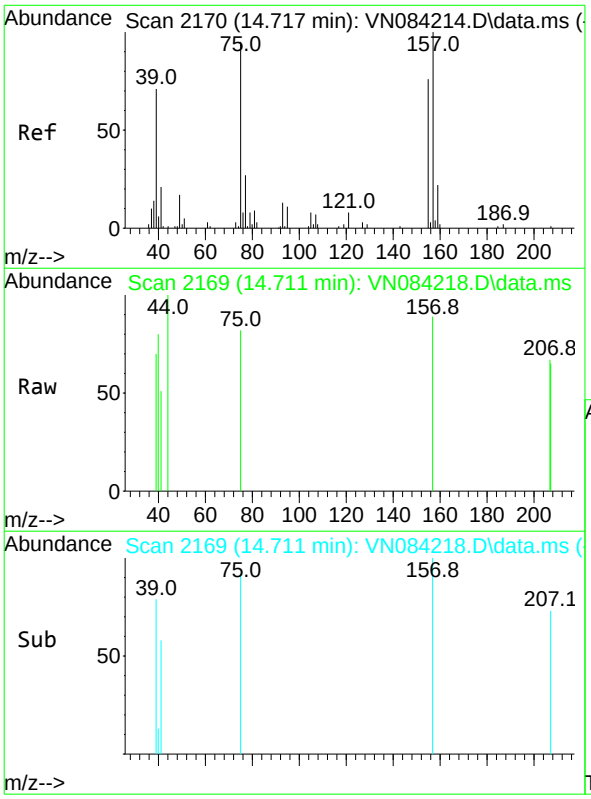
Ion	Ratio	Lower	Upper
146	100		
111	39.9	22.0	66.0
148	57.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

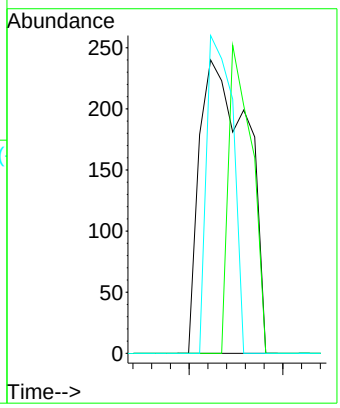
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

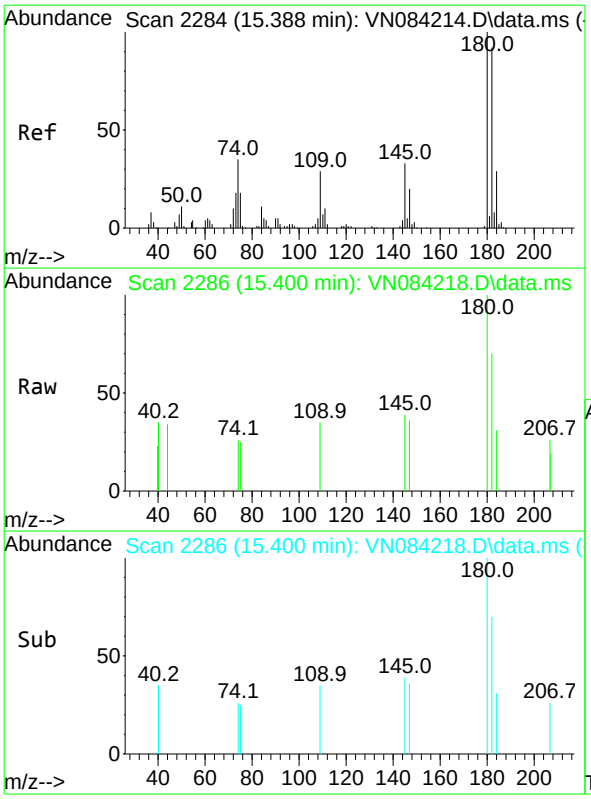


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.876 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

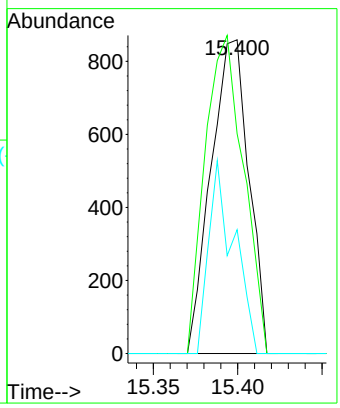




#93
1,2,4-Trichlorobenzene
Concen: 0.788 ug/l
RT: 15.400 min Scan# 22
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:180 Resp: 1340

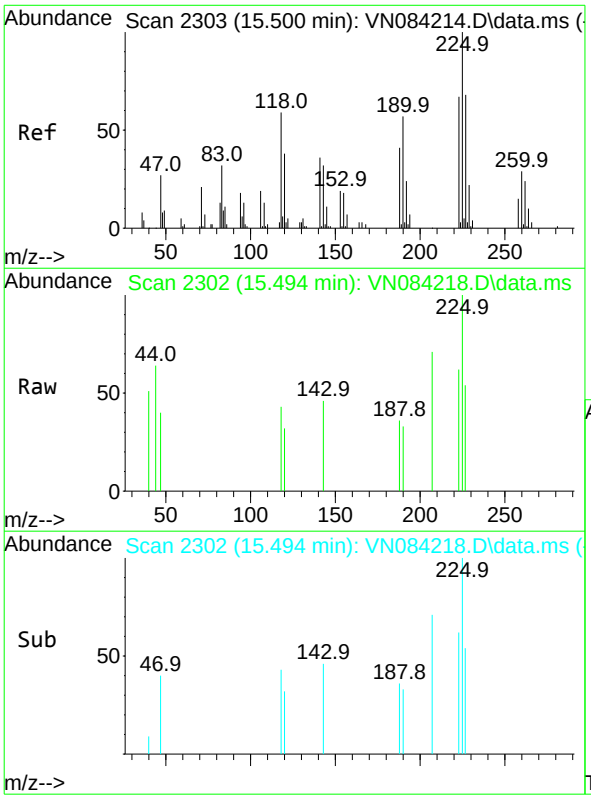
Ion	Ratio	Lower	Upper
180	100		
182	103.0	47.0	141.0
145	41.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

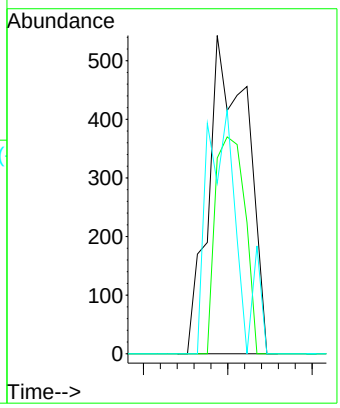
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

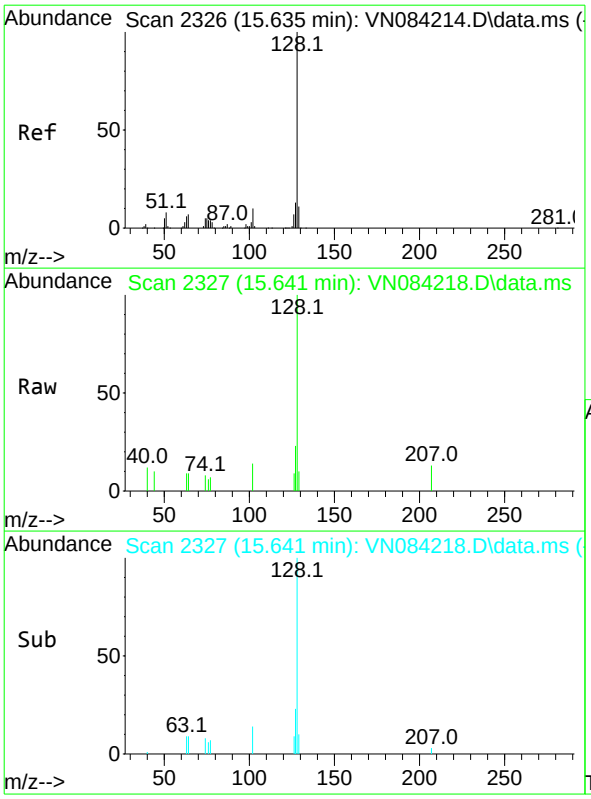


#94
Hexachlorobutadiene
Concen: 1.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

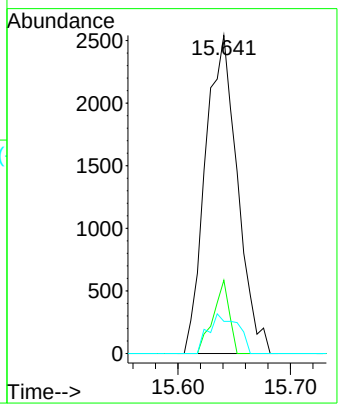




#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:128 Resp: 5031

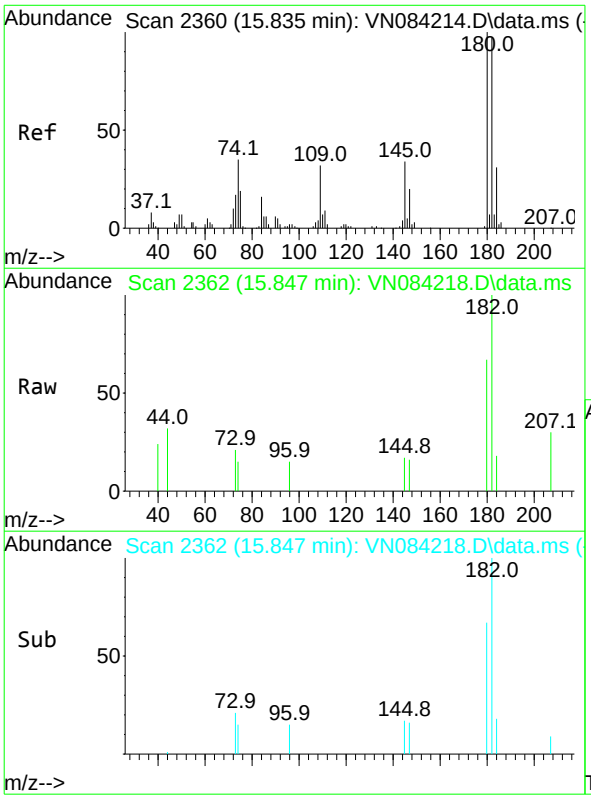
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.5	15.7
129	11.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

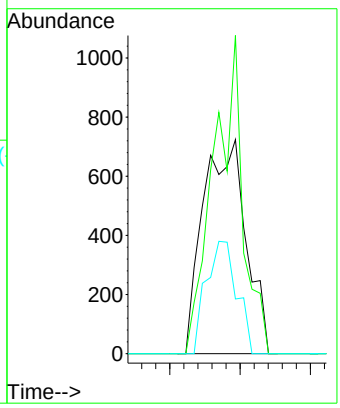
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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

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

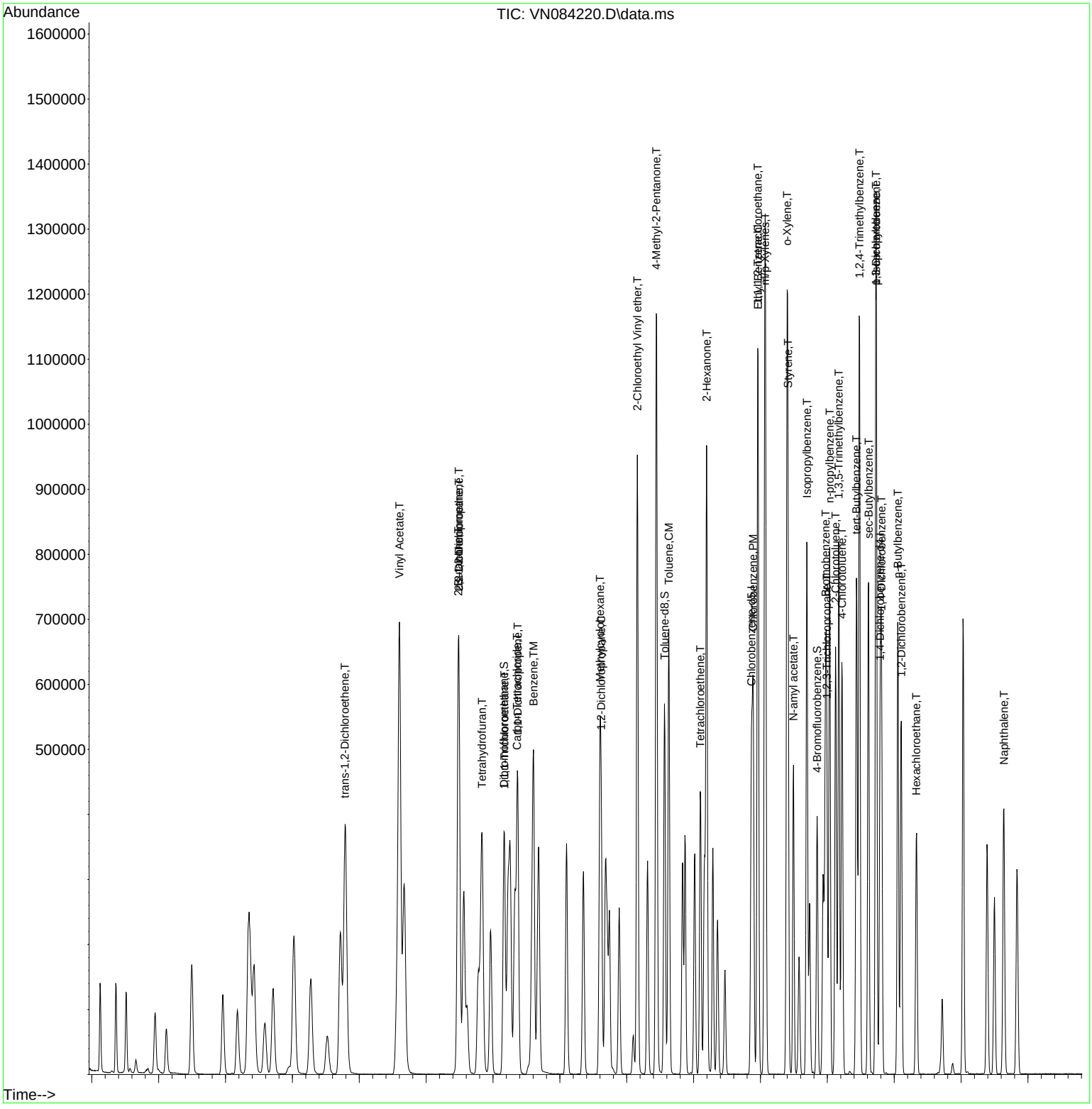
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Data File : VN084220.D
Acq On : 30 Sep 2024 15:36
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

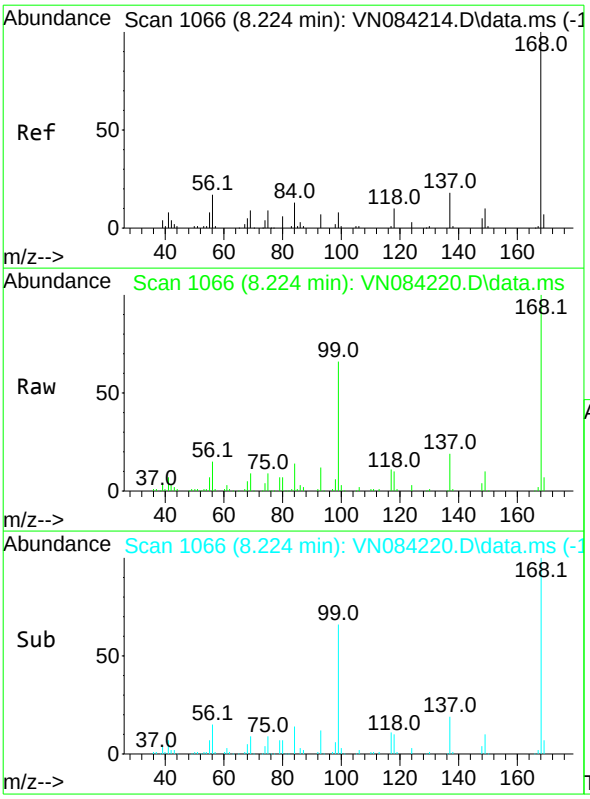
Quant Time: Oct 01 07:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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

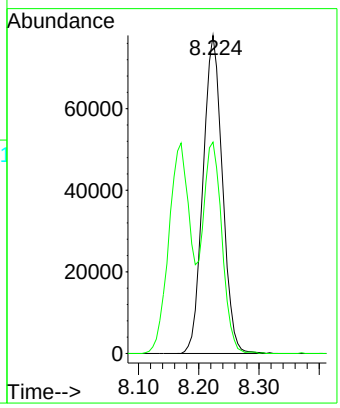




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:168 Resp: 174241

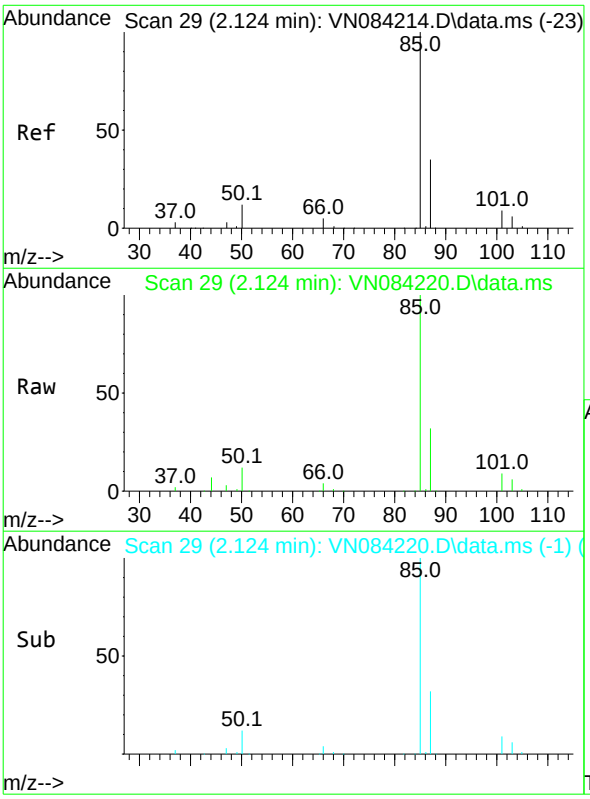
Ion	Ratio	Lower	Upper
168	100		
99	66.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

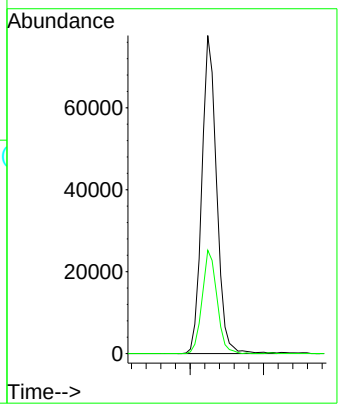
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

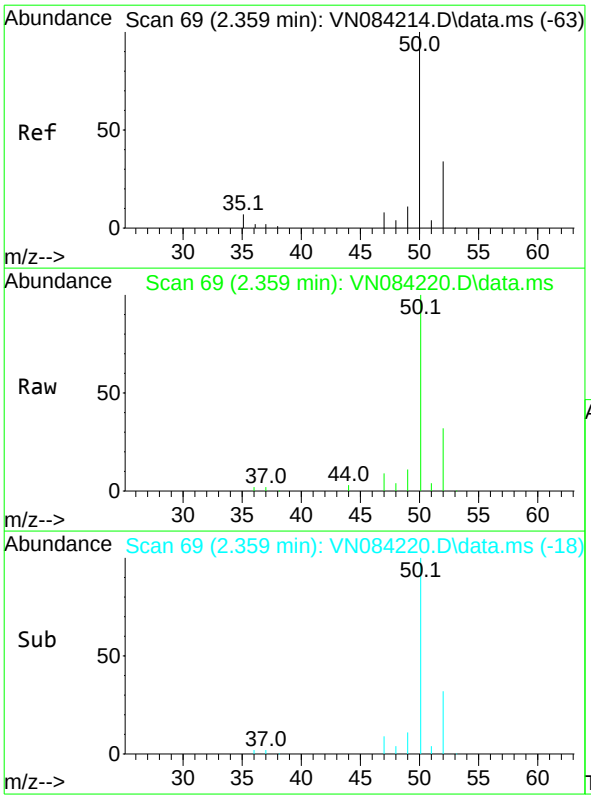


#2
Dichlorodifluoromethane
Concen: 52.712 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 85 Resp: 108641

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9

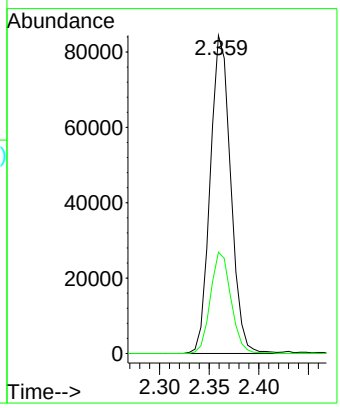




#3
Chloromethane
Concen: 51.477 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 50 Resp: 121140

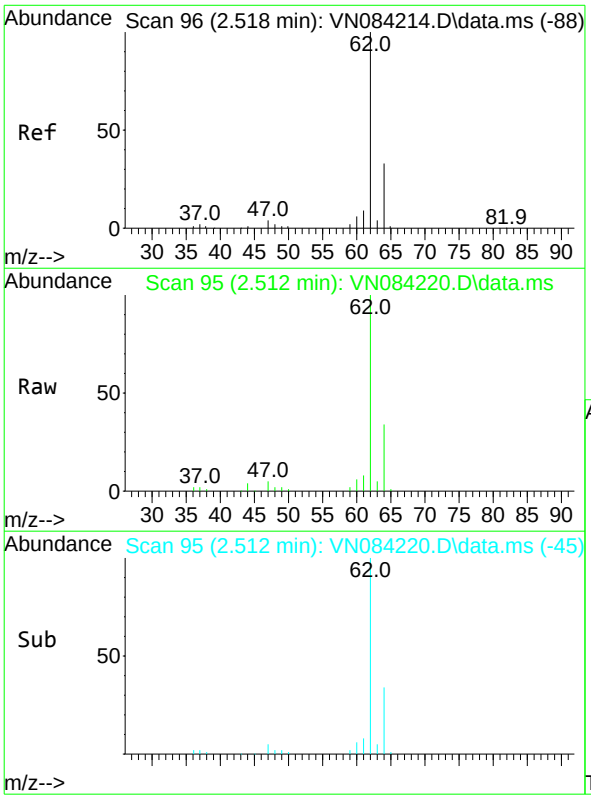
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

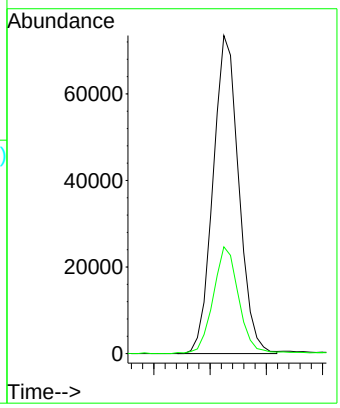
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

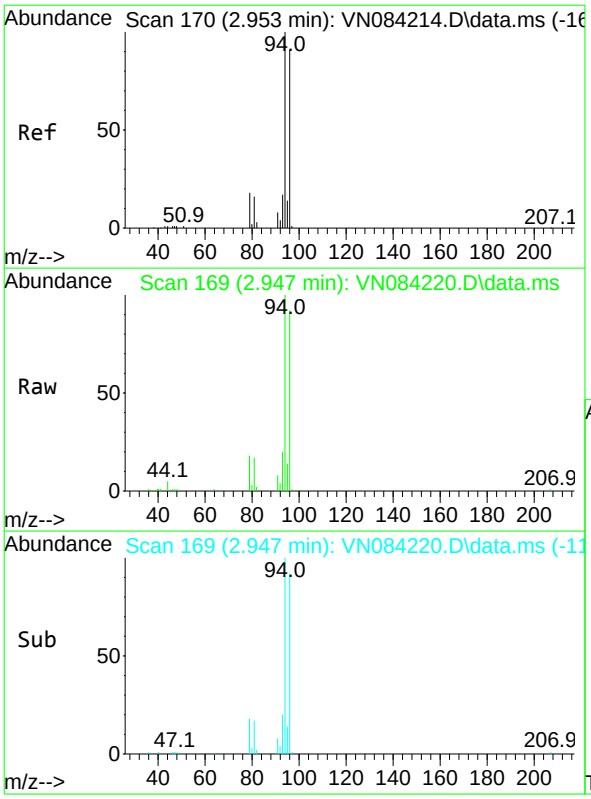


#4
Vinyl Chloride
Concen: 51.235 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 116792

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4

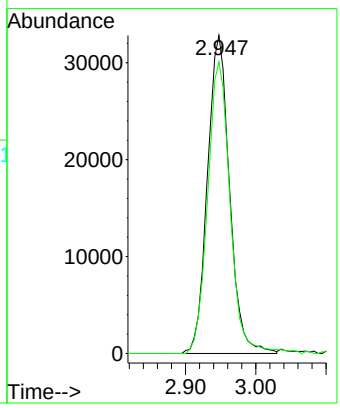




#5
Bromomethane
Concen: 47.656 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 94 Resp: 71654

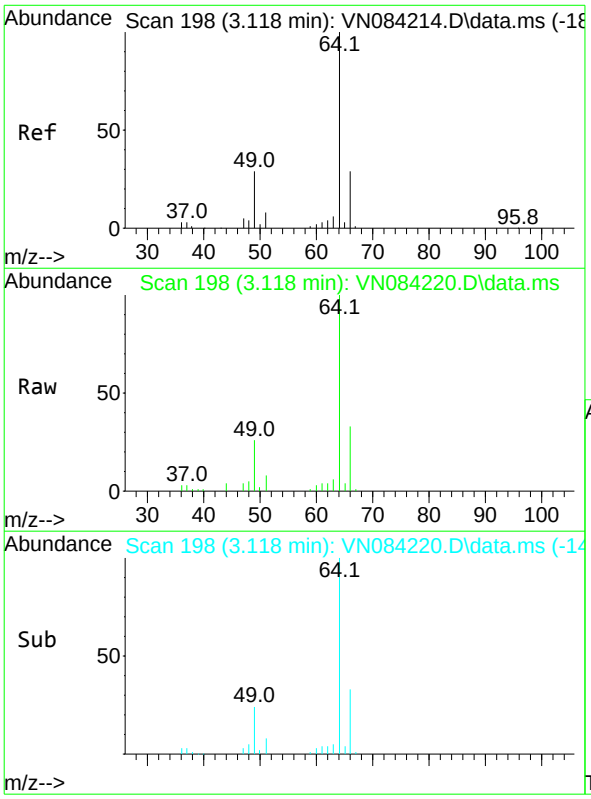
Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations
APPROVED

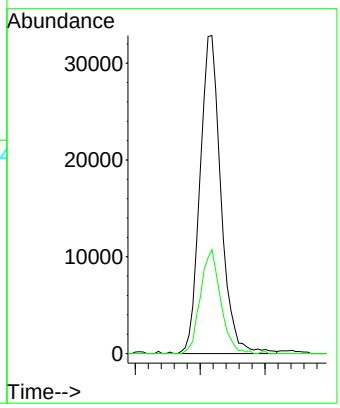
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

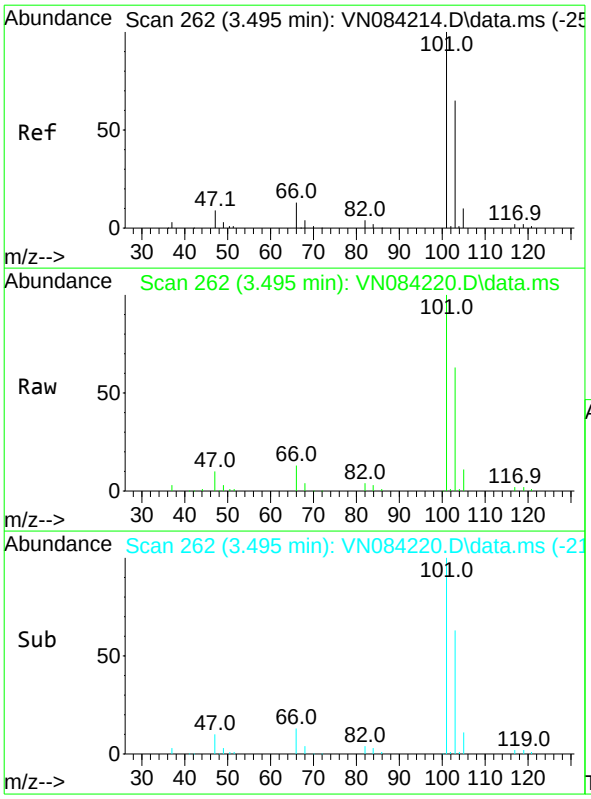


#6
Chloroethane
Concen: 45.119 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 64 Resp: 73658

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3

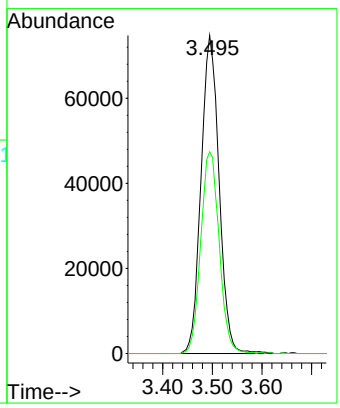




#7
Trichlorofluoromethane
Concen: 53.099 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:101 Resp: 188482

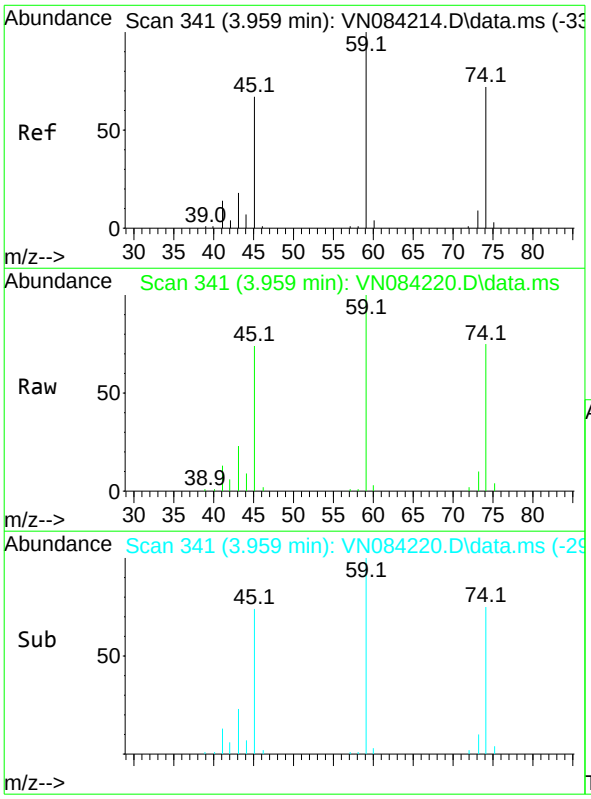
Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

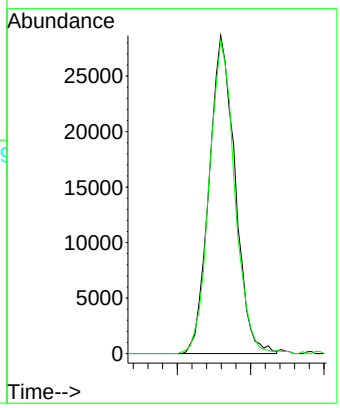
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

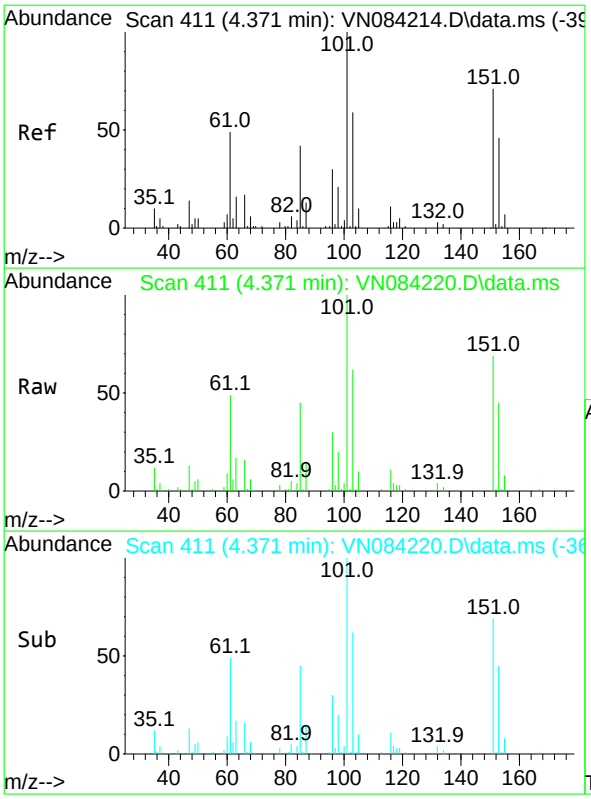


#8
Diethyl Ether
Concen: 53.445 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 74 Resp: 70360

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1

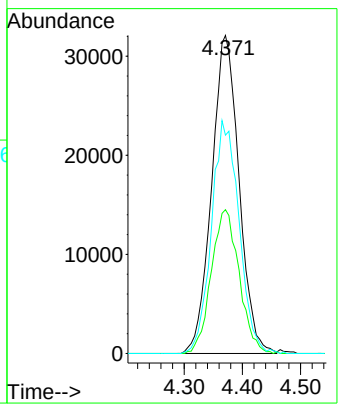




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.573 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:101 Resp: 104895

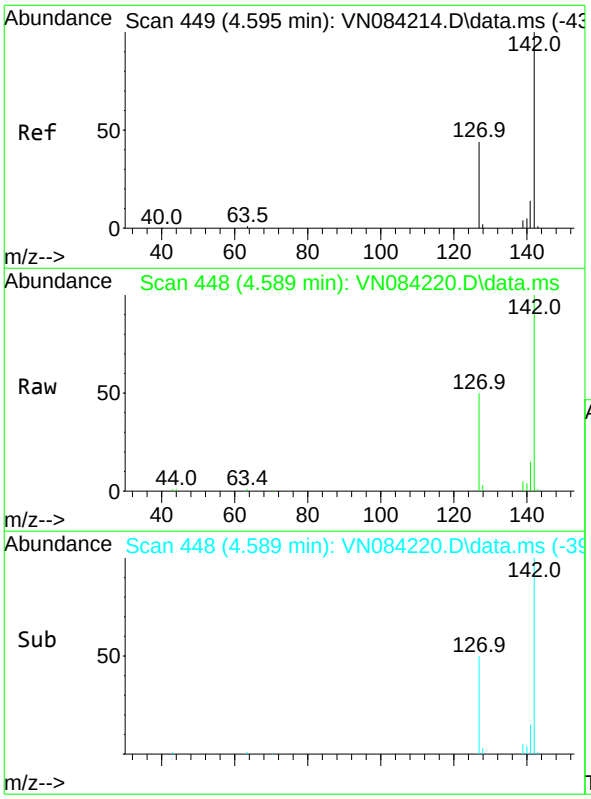
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	74.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

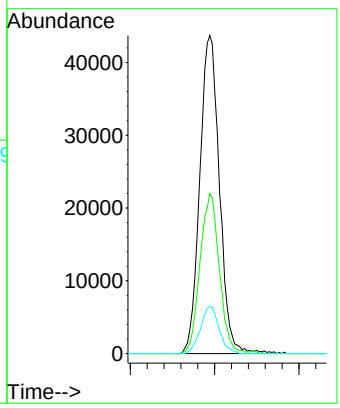
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

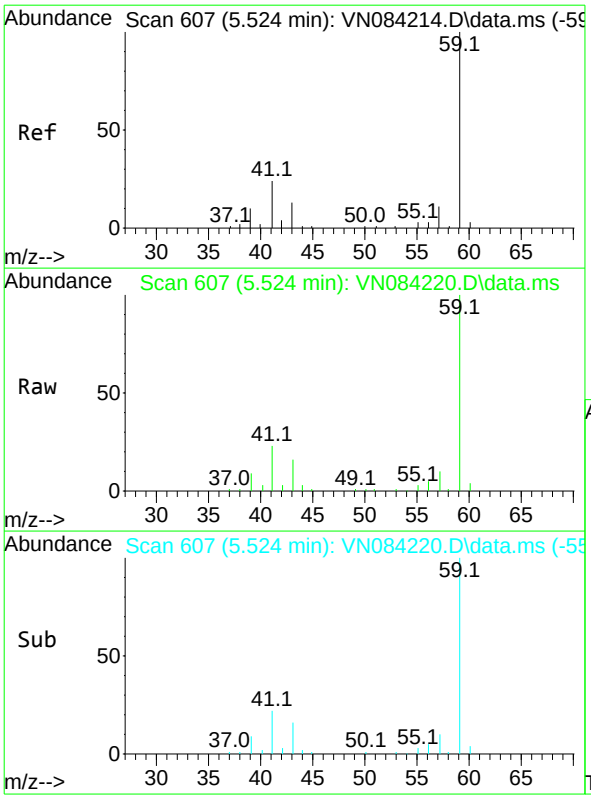


#10
Methyl Iodide
Concen: 53.996 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

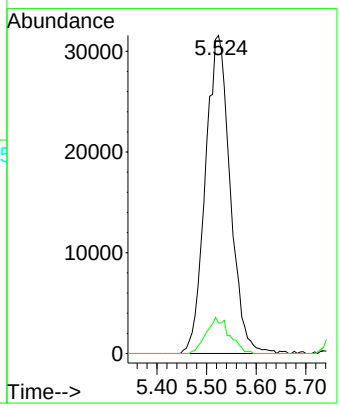




#11
Tert butyl alcohol
Concen: 257.154 ug/l
RT: 5.524 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 59 Resp: 109545

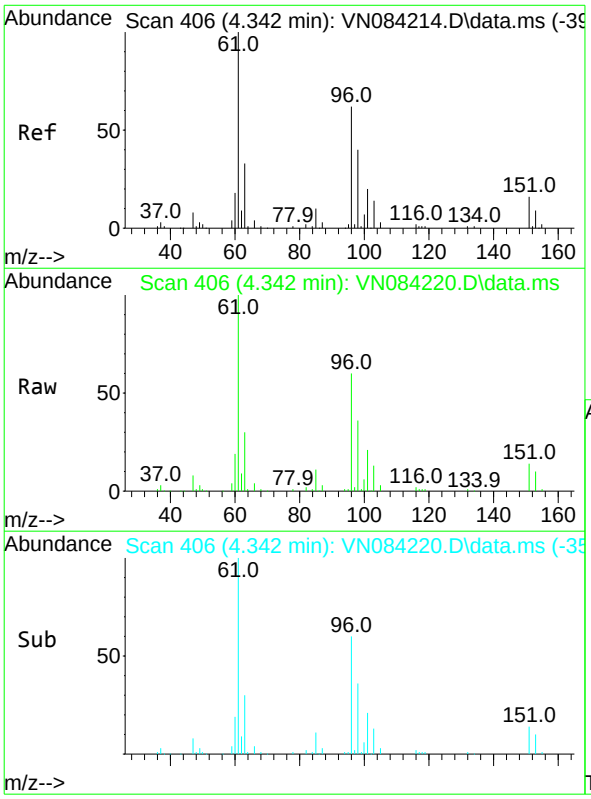
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

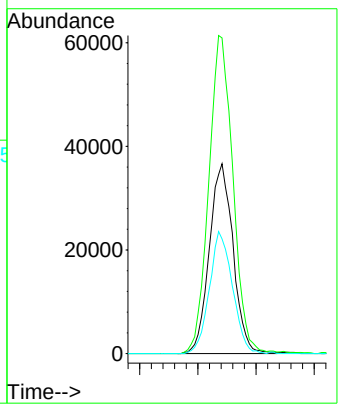
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

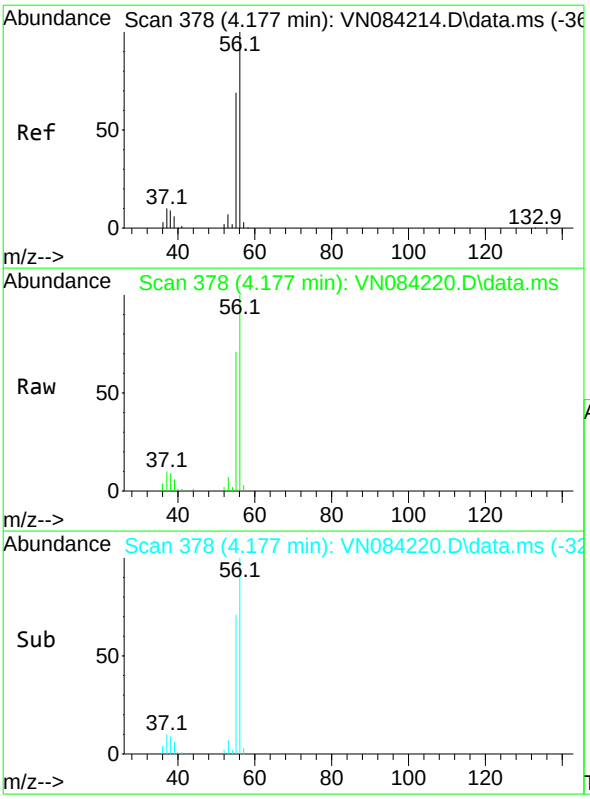


#12
1,1-Dichloroethene
Concen: 53.064 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

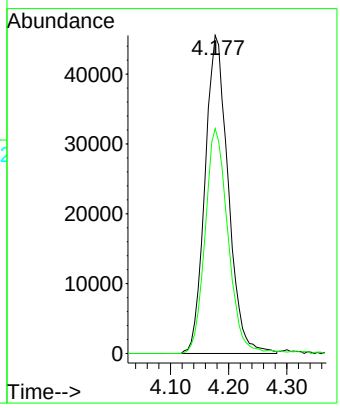




#13
Acrolein
Concen: 257.587 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 56 Resp: 125971

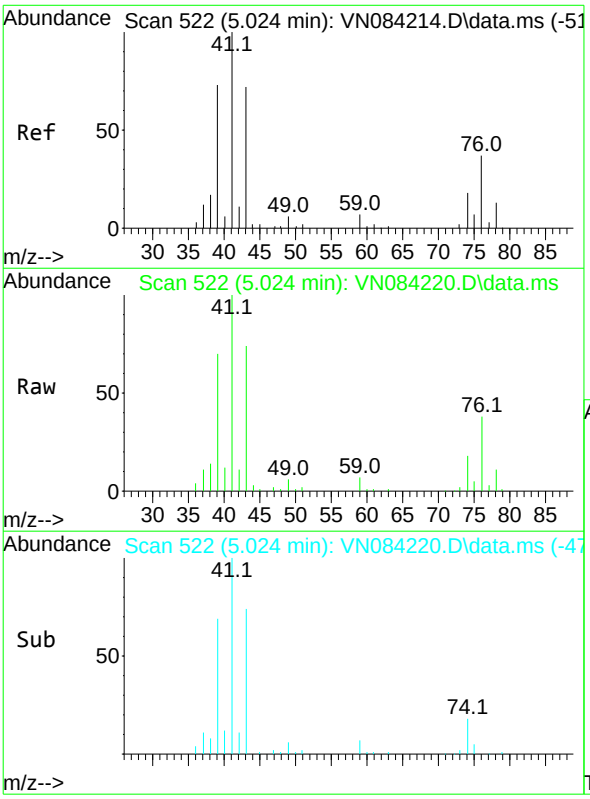
Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

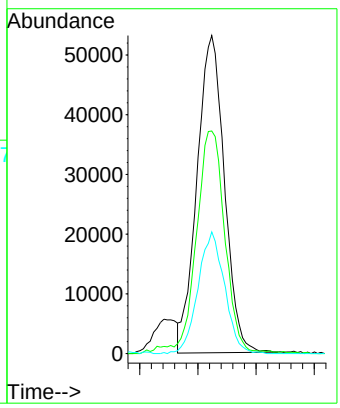
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

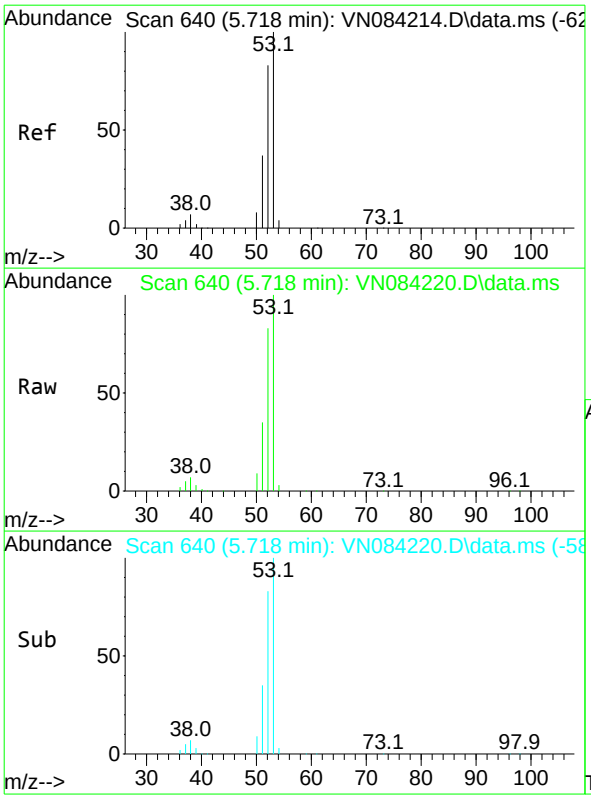


#14
Allyl chloride
Concen: 51.092 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

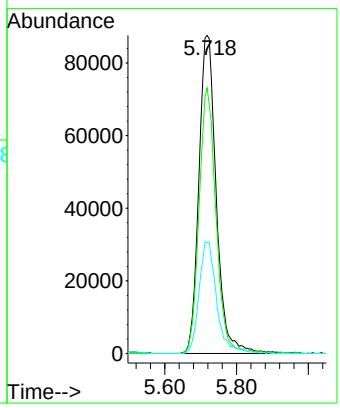
Tgt Ion: 53 Resp: 293962

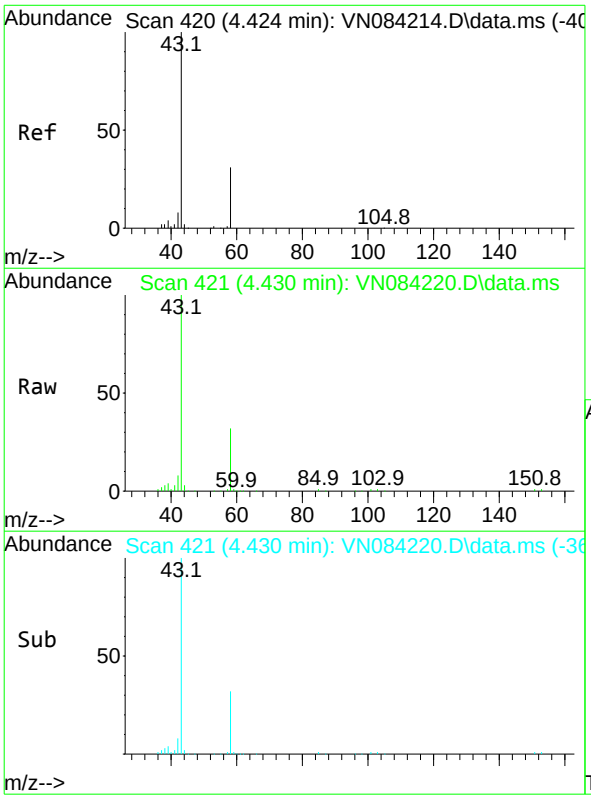
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.4
51	35.7	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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

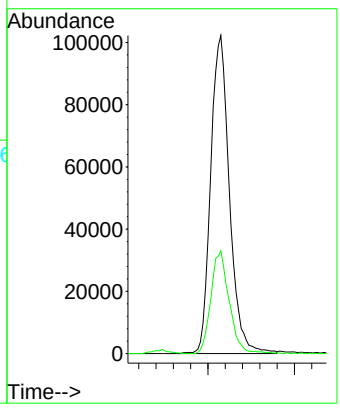


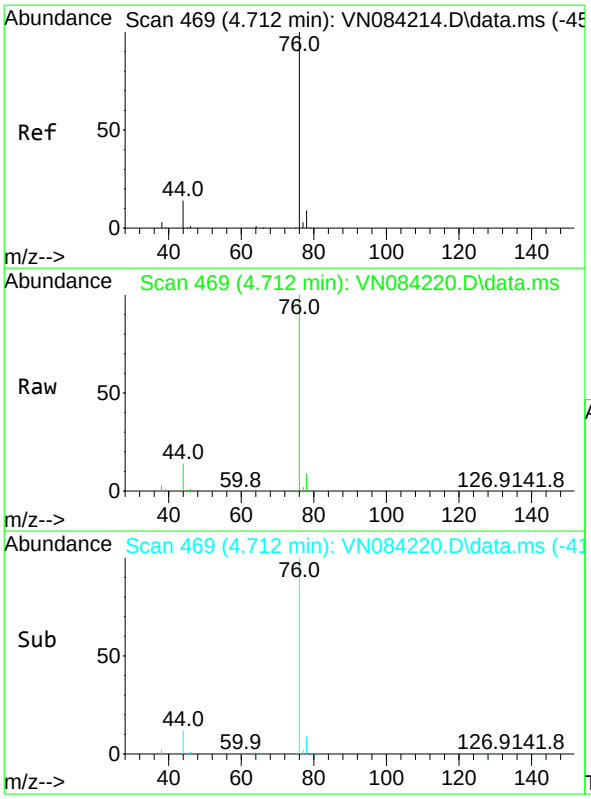


#16
Acetone
Concen: 277.547 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 308020

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6

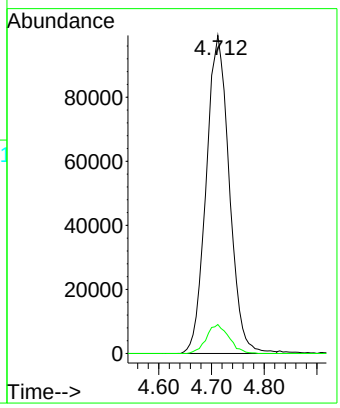




#17
Carbon Disulfide
Concen: 48.693 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 76 Resp: 302450

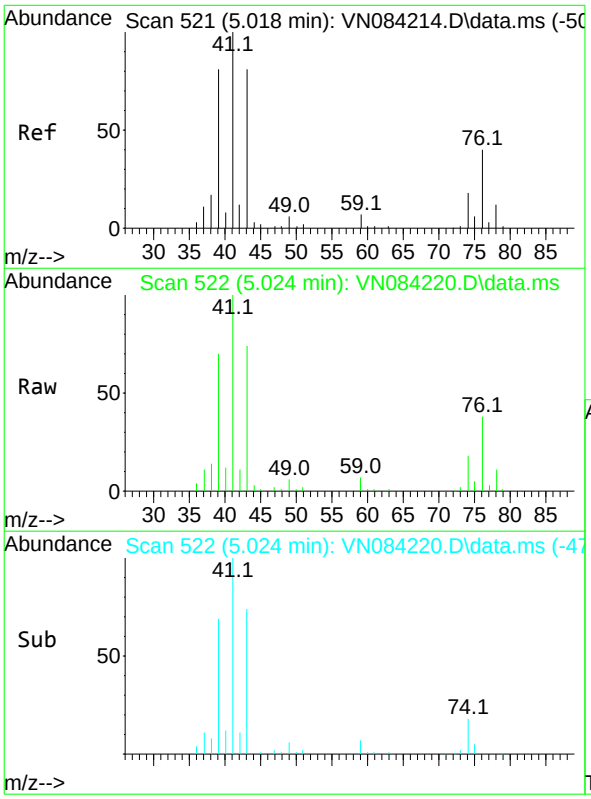
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

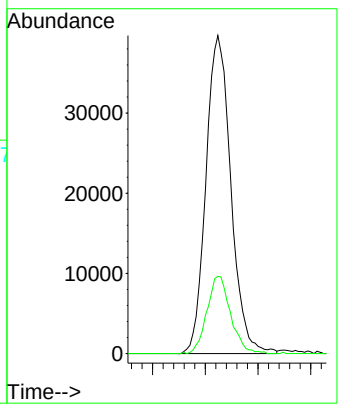
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

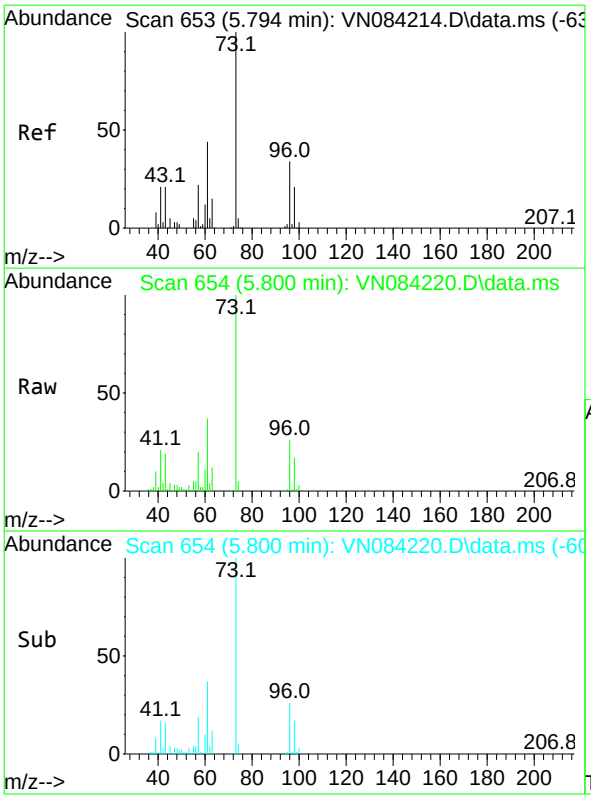


#18
Methyl Acetate
Concen: 53.948 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 130494

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8

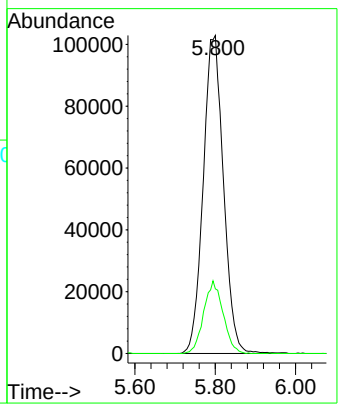




#19
Methyl tert-butyl Ether
Concen: 54.371 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 73 Resp: 360019

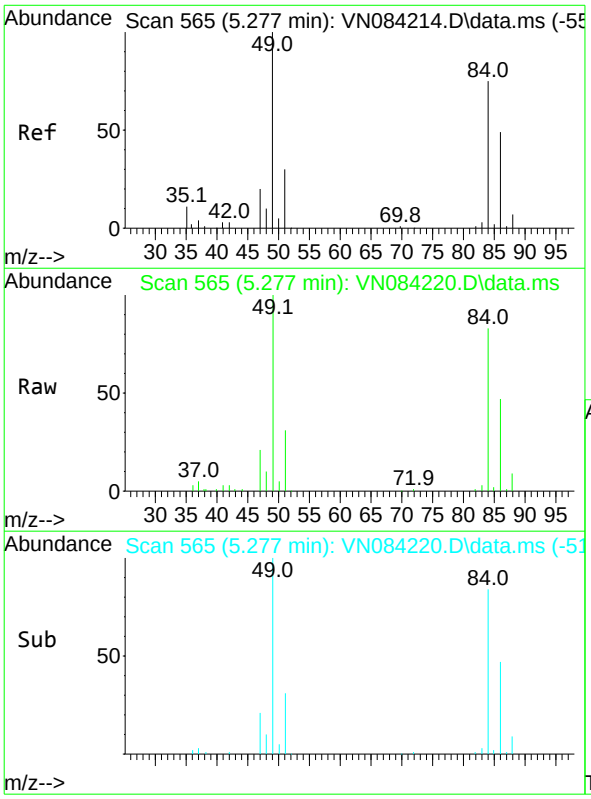
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

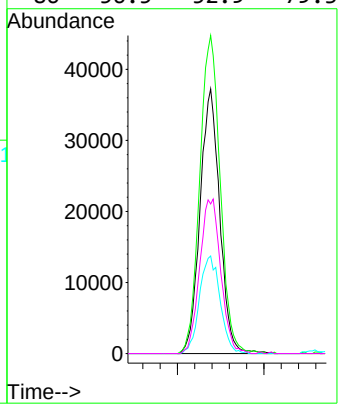
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

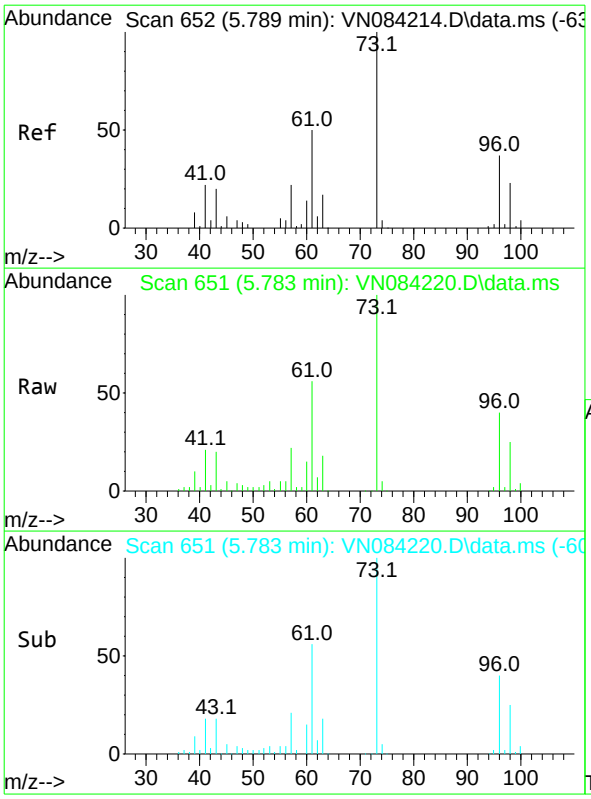


#20
Methylene Chloride
Concen: 52.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

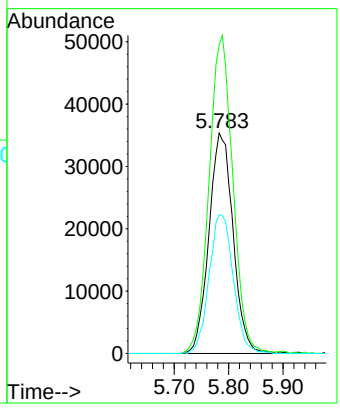




#21
trans-1,2-Dichloroethene
Concen: 52.980 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 108894

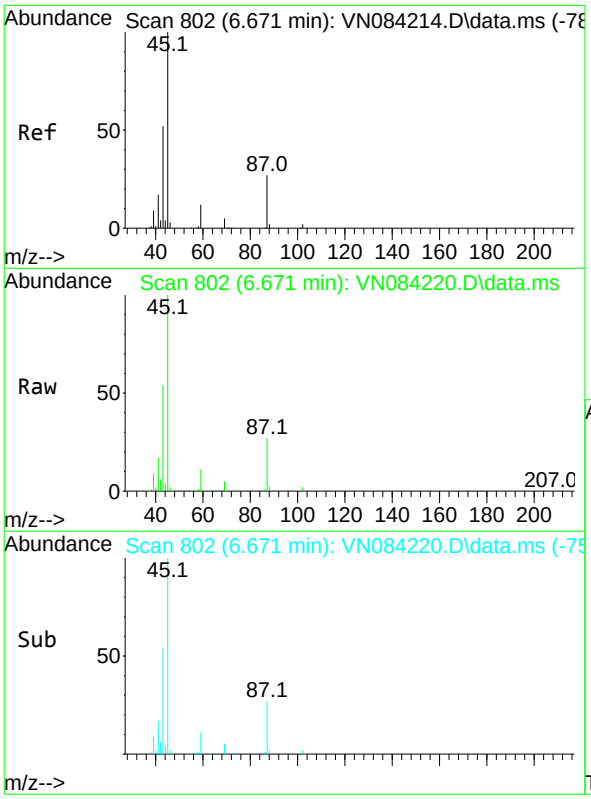
Ion	Ratio	Lower	Upper
96	100		
61	139.8	108.4	162.6
98	62.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

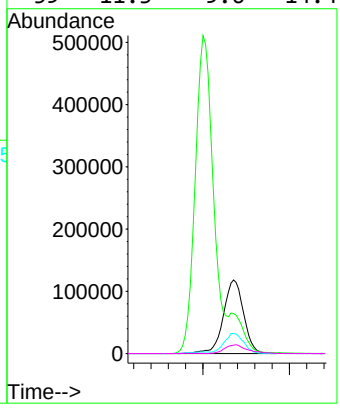
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

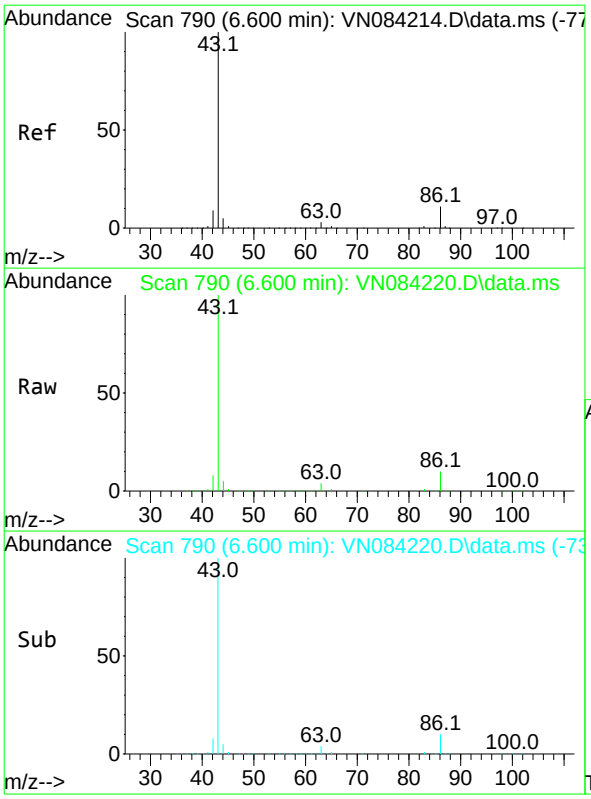


#22
Diisopropyl ether
Concen: 54.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

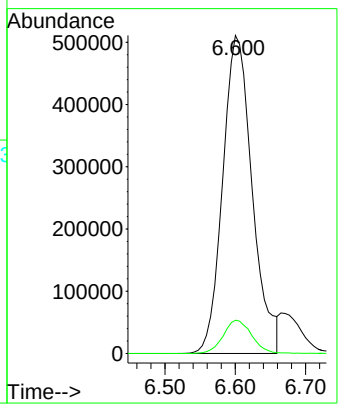




#23
Vinyl Acetate
Concen: 285.569 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 1492704

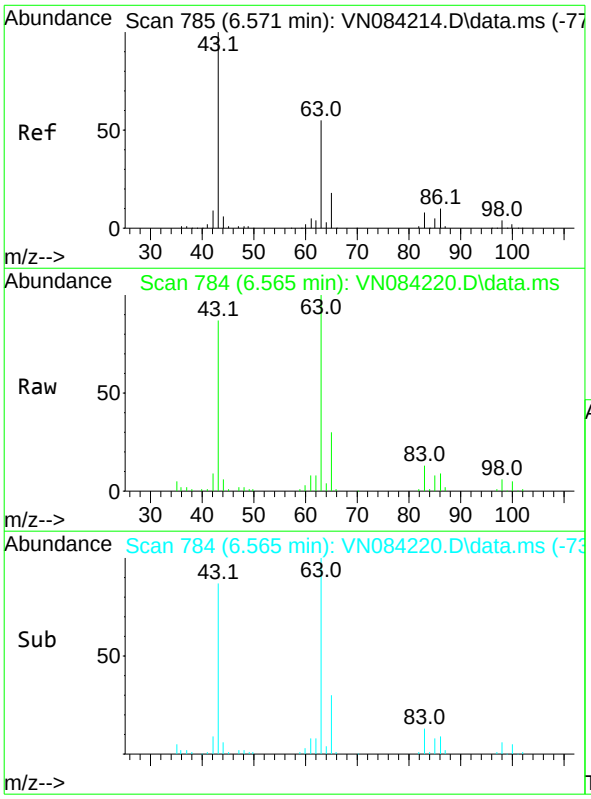
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

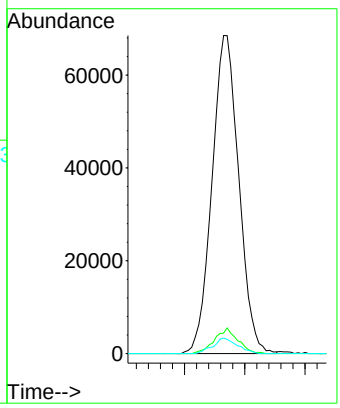
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

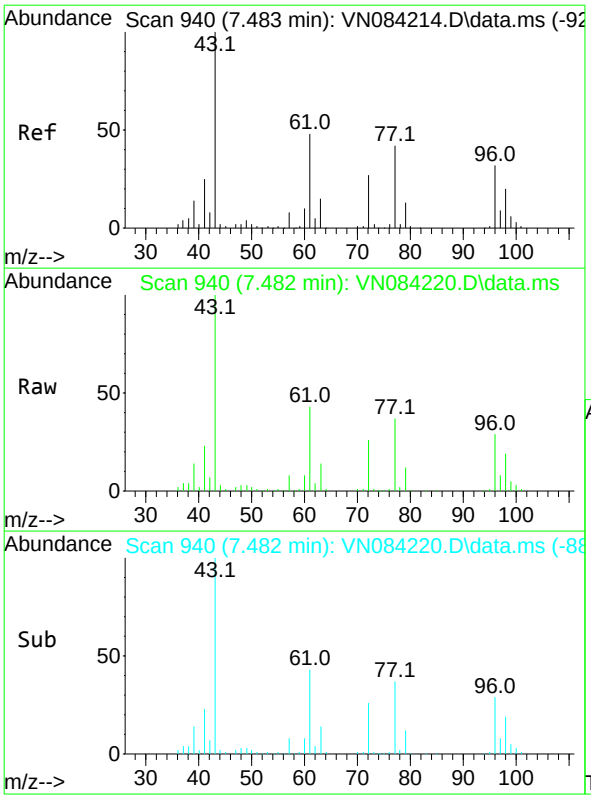


#24
1,1-Dichloroethane
Concen: 53.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

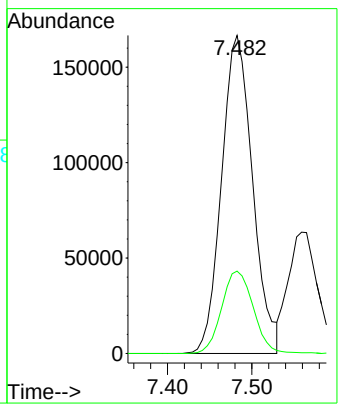




#25
2-Butanone
Concen: 282.397 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 426860

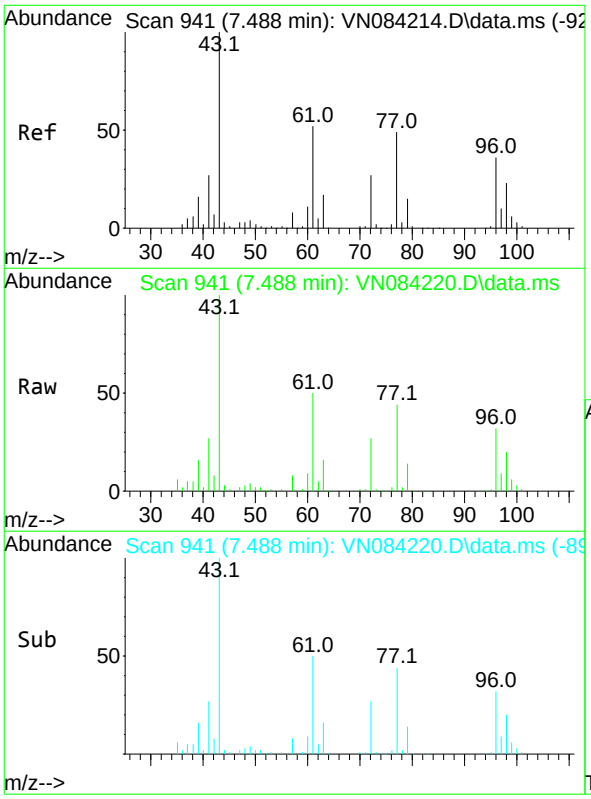
Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

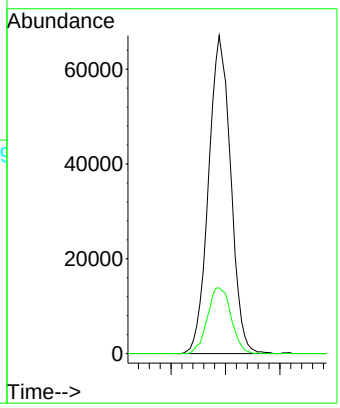
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

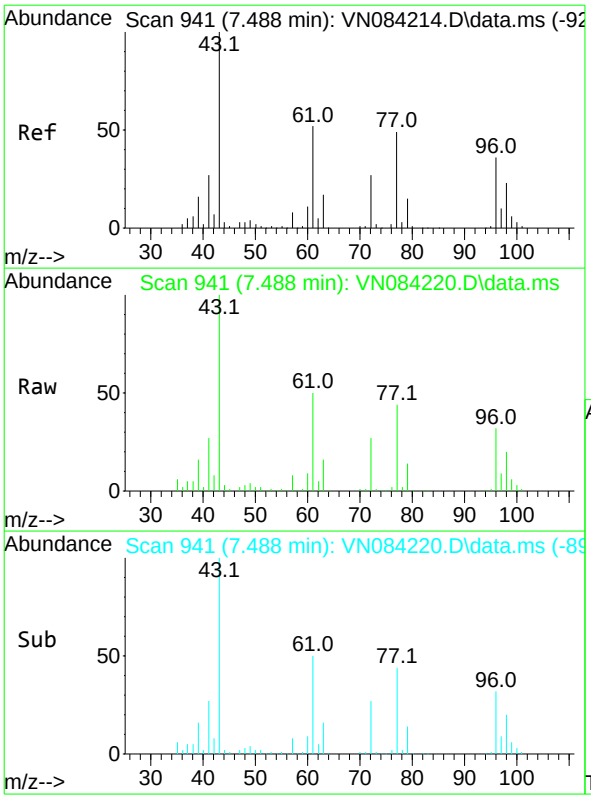


#26
2,2-Dichloropropane
Concen: 53.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 77 Resp: 189858

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3

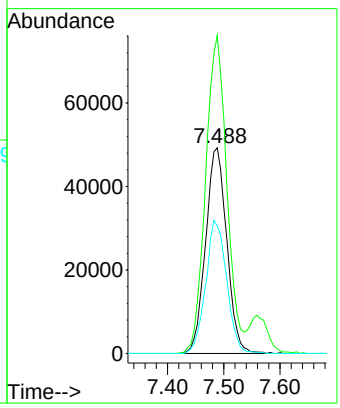




#27
cis-1,2-Dichloroethene
Concen: 51.876 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 96 Resp: 128843

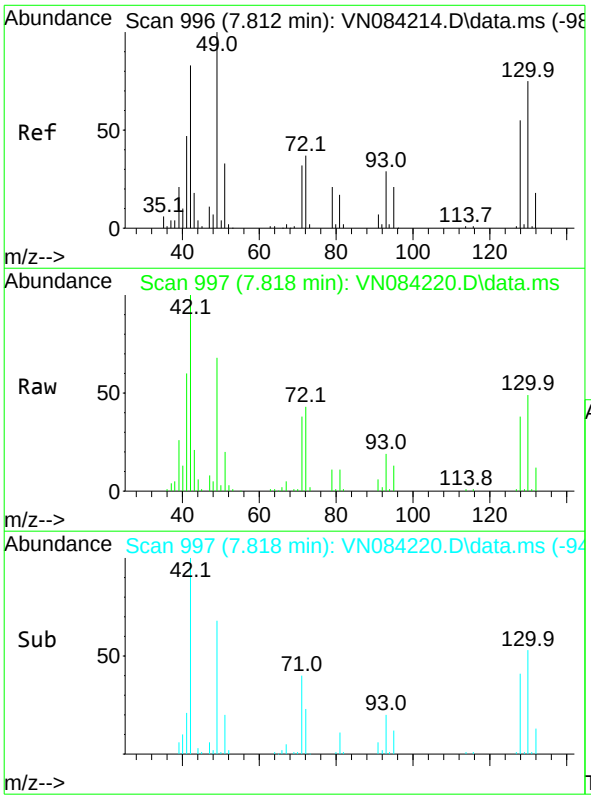
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	301.8
98	64.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

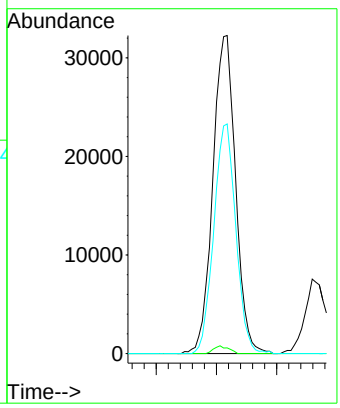
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

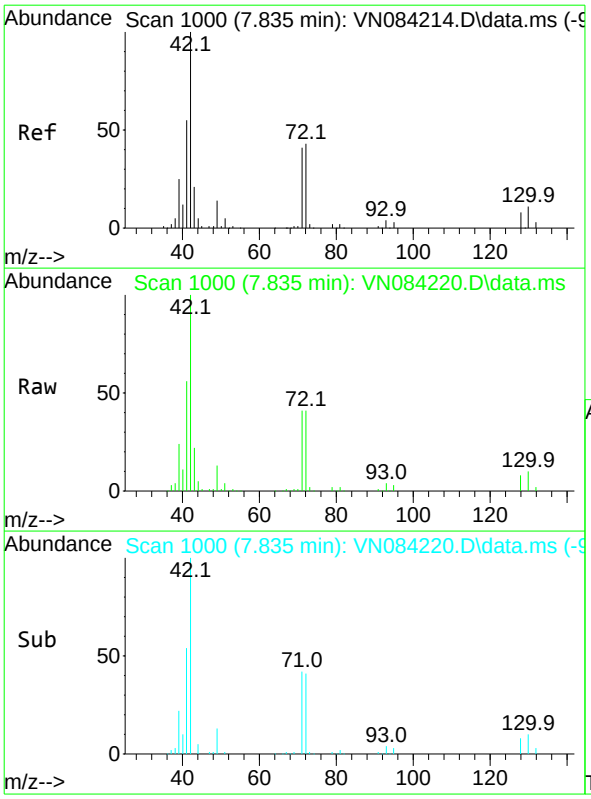


#28
Bromochloromethane
Concen: 48.129 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

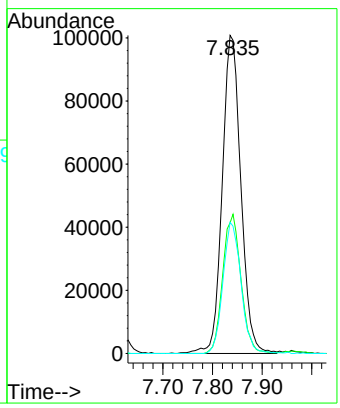




#29
Tetrahydrofuran
Concen: 281.940 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 42 Resp: 262996

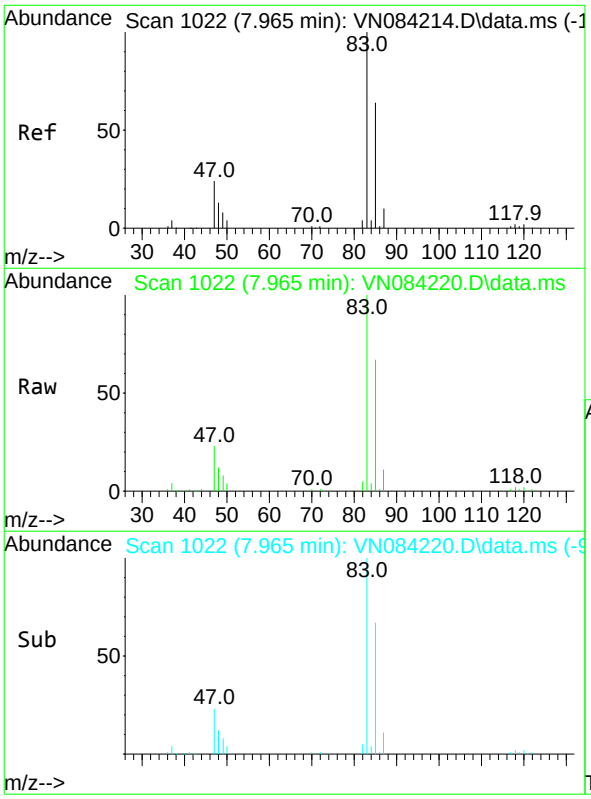
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

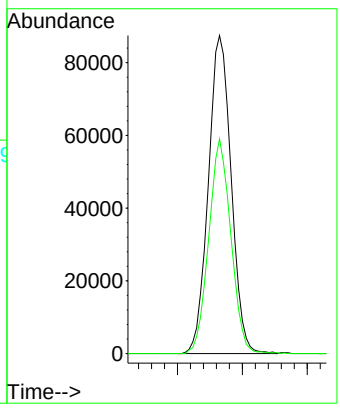
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

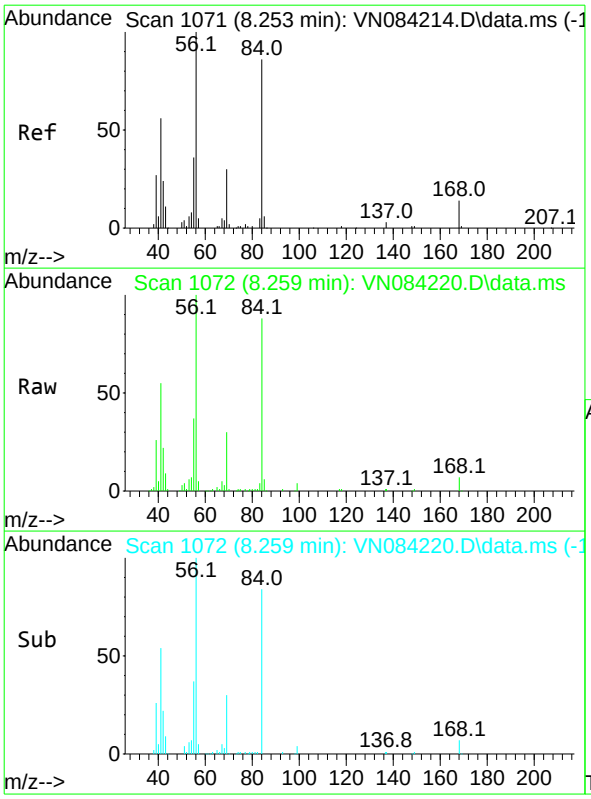


#30
Chloroform
Concen: 52.184 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 213634

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4

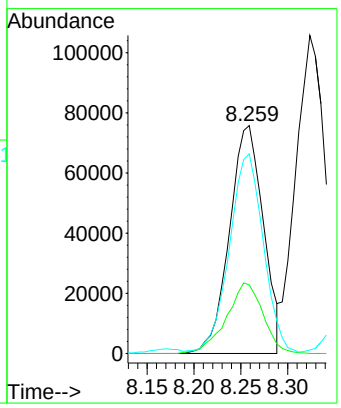




#31
Cyclohexane
Concen: 49.809 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 56 Resp: 190602

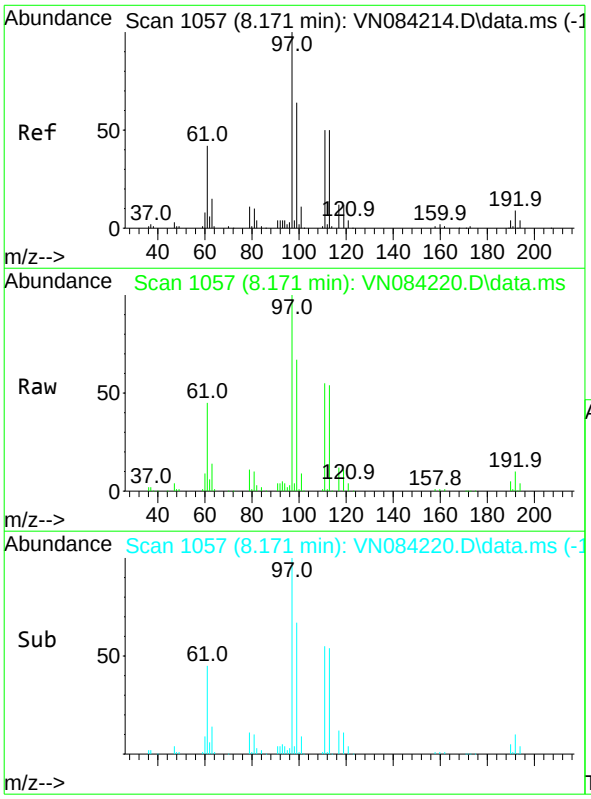
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.6
84	85.8	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations
APPROVED

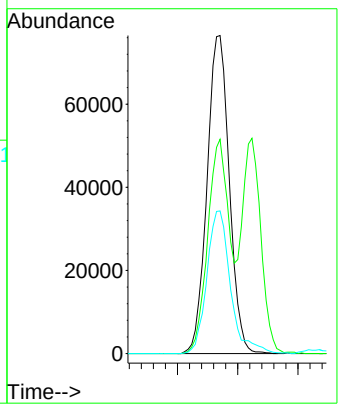
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

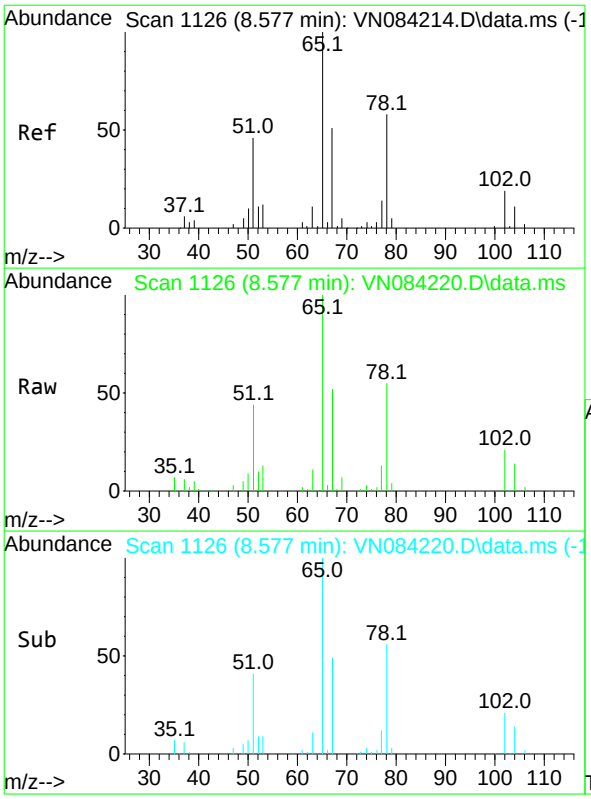


#32
1,1,1-Trichloroethane
Concen: 53.395 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

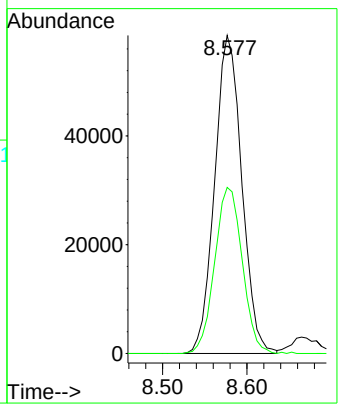




#33
1,2-Dichloroethane-d4
Concen: 50.564 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 65 Resp: 130630

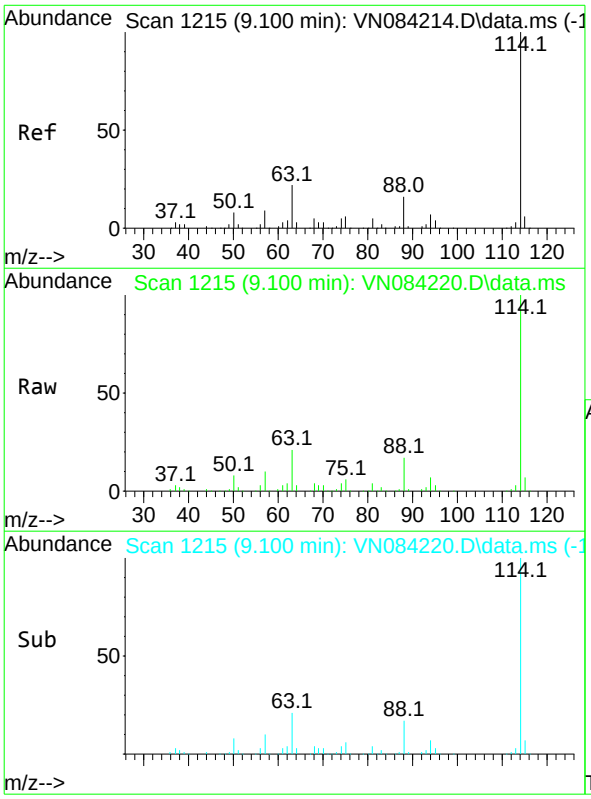
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

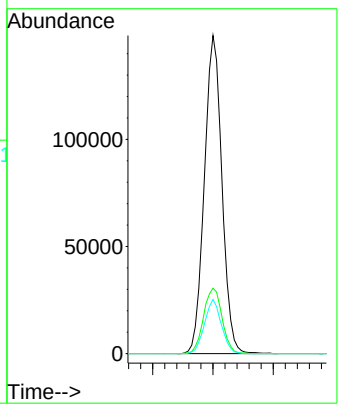
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

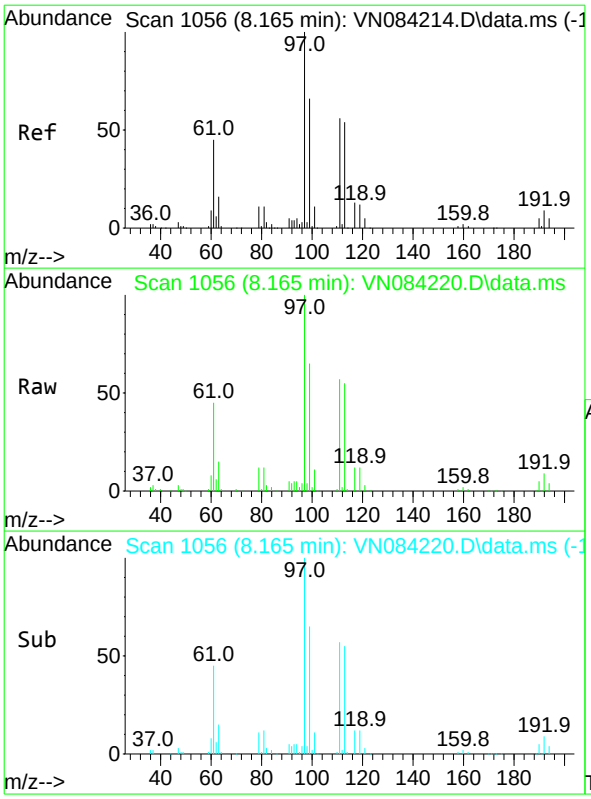


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

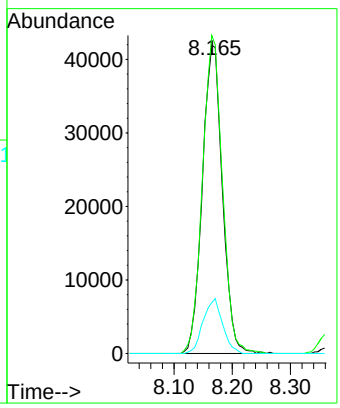




#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:113 Resp: 100200

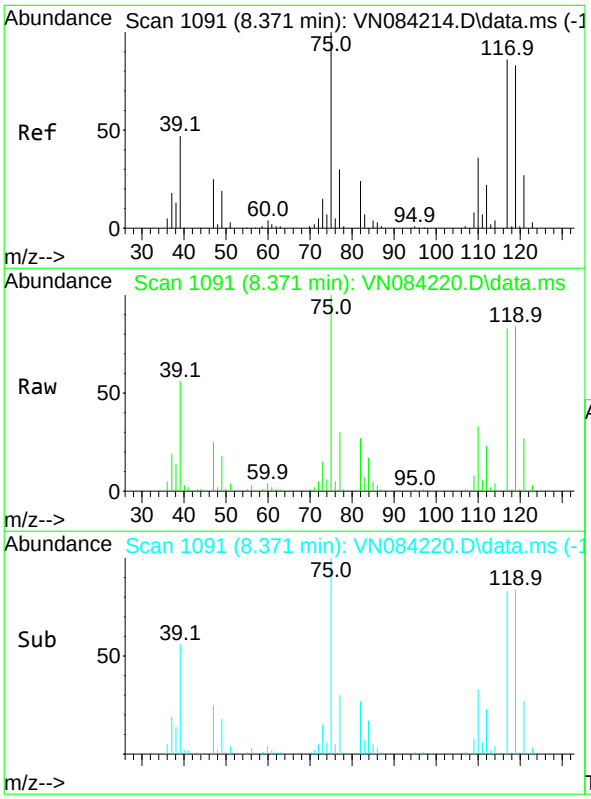
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	17.3	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

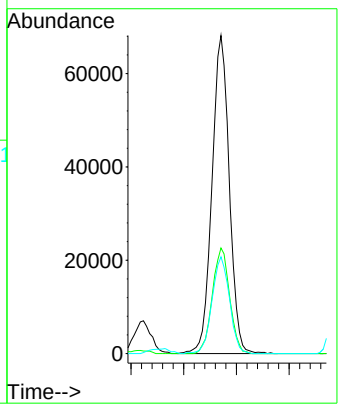
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

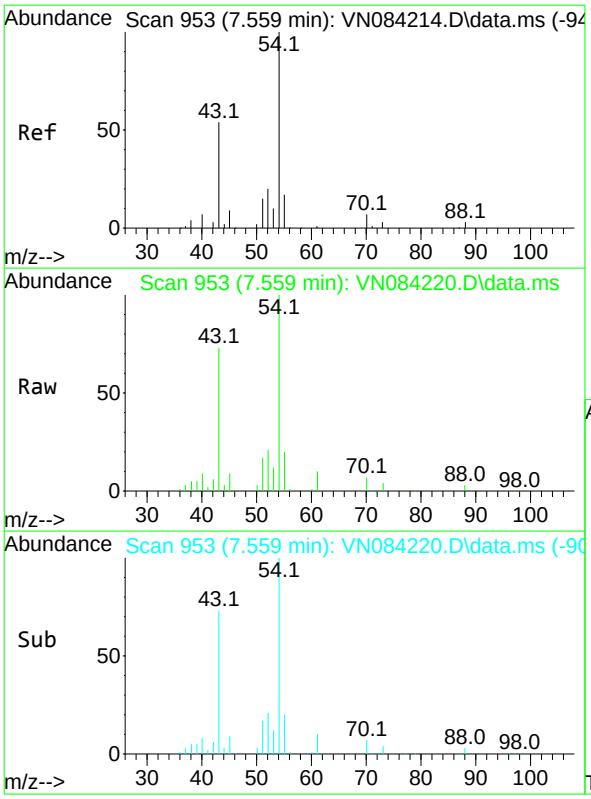


#36
1,1-Dichloropropene
Concen: 53.917 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

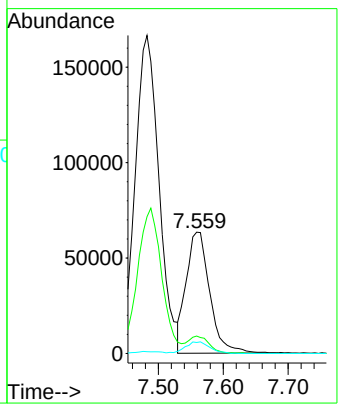
Tgt Ion: 43 Resp: 159764

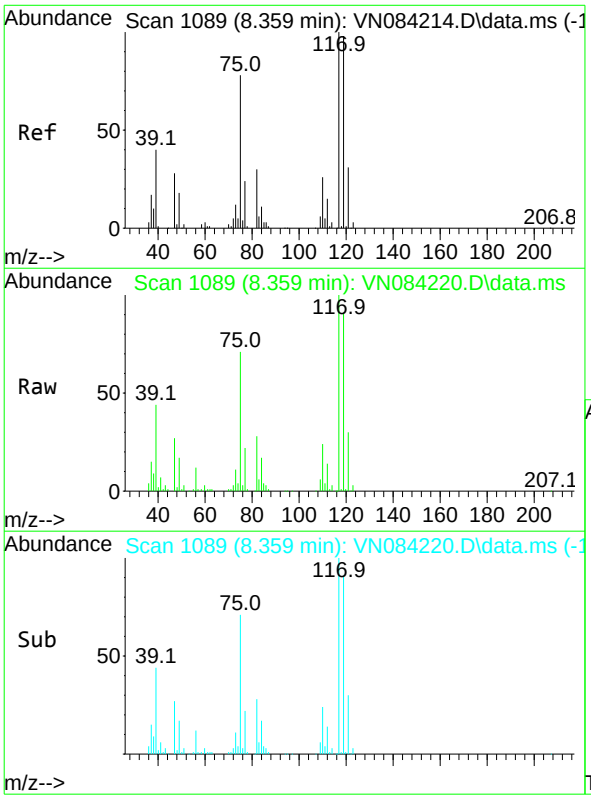
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

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

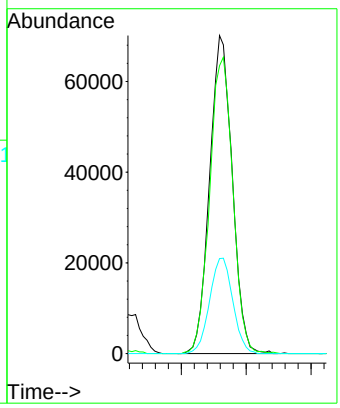


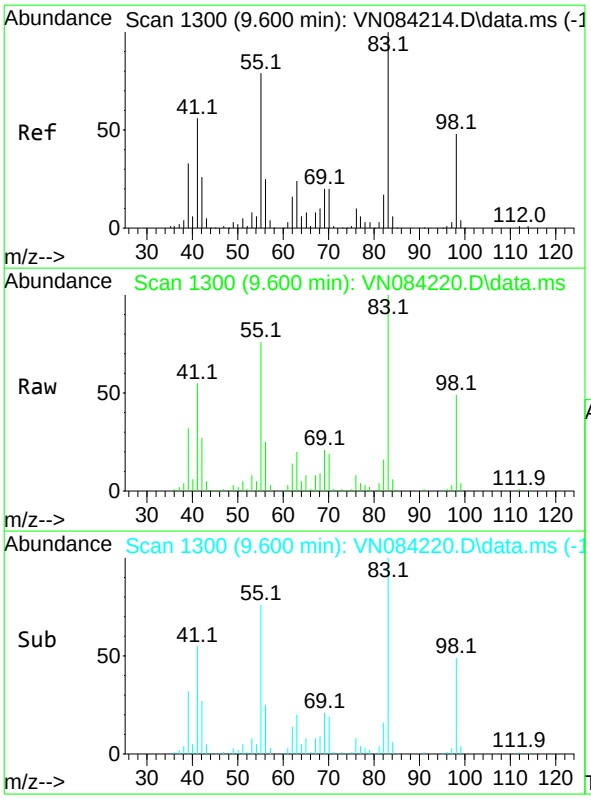


#38
Carbon Tetrachloride
Concen: 53.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

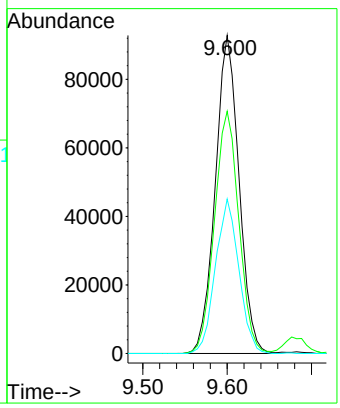




#39
Methylcyclohexane
Concen: 56.648 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 181676

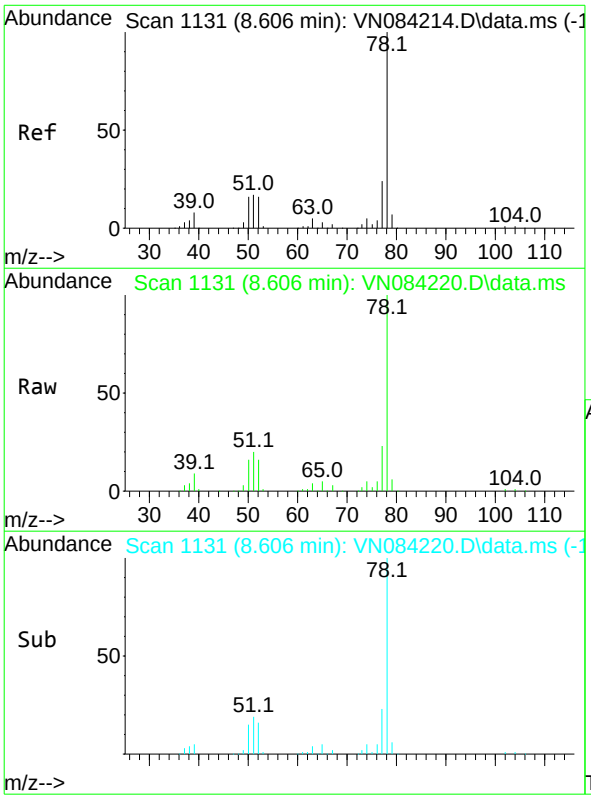
Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.8	94.2
98	48.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

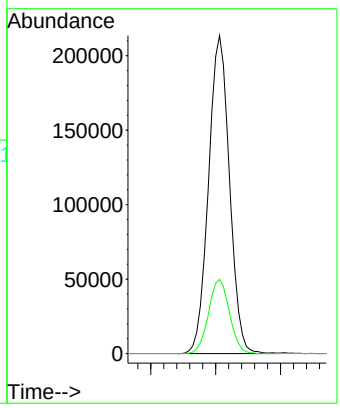
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

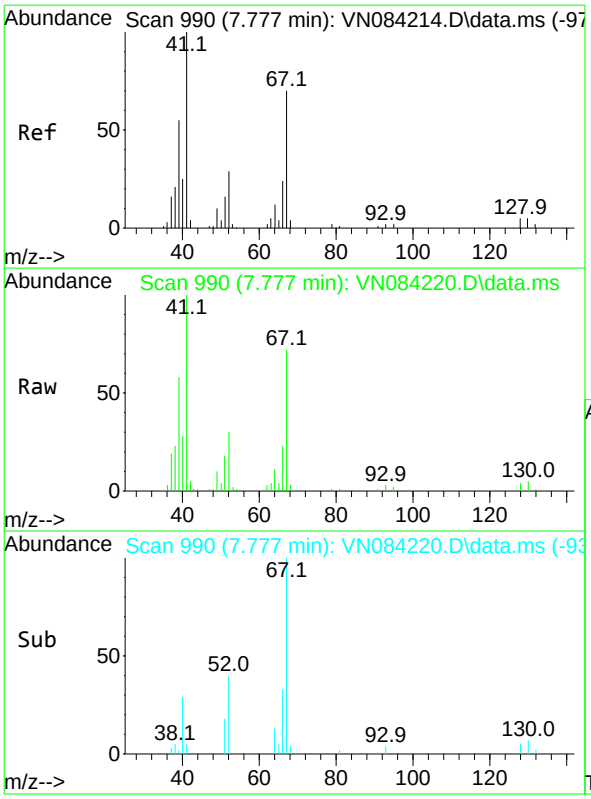


#40
Benzene
Concen: 53.301 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 78 Resp: 478538

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

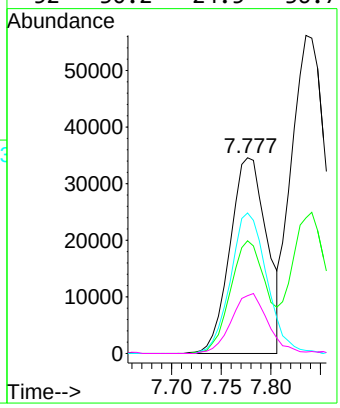




#41
Methacrylonitrile
Concen: 55.708 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 41 Resp: 89407

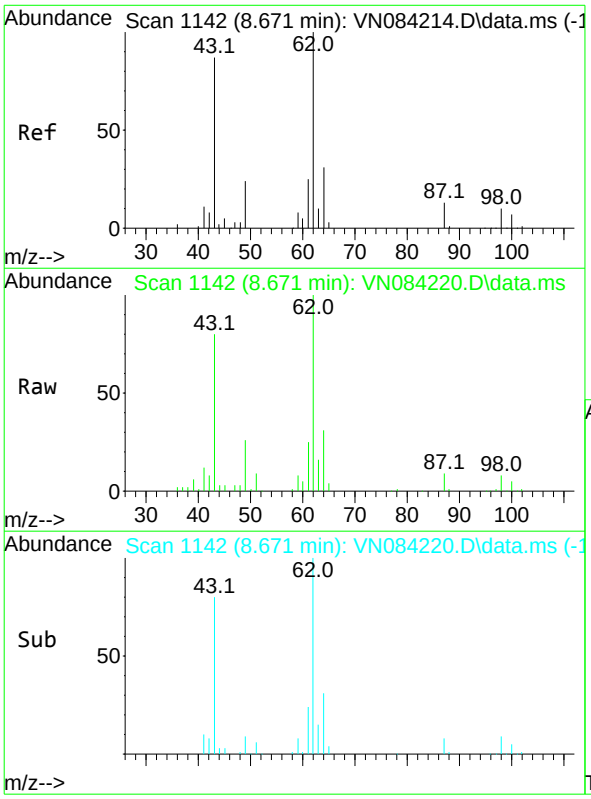
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.3	64.9
67	70.8	56.1	84.1
52	30.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

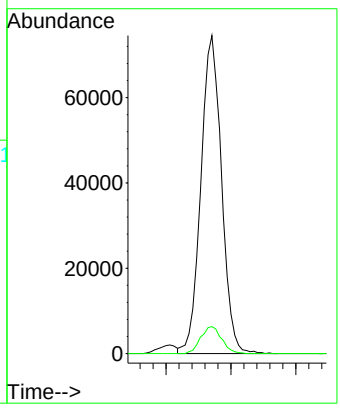
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

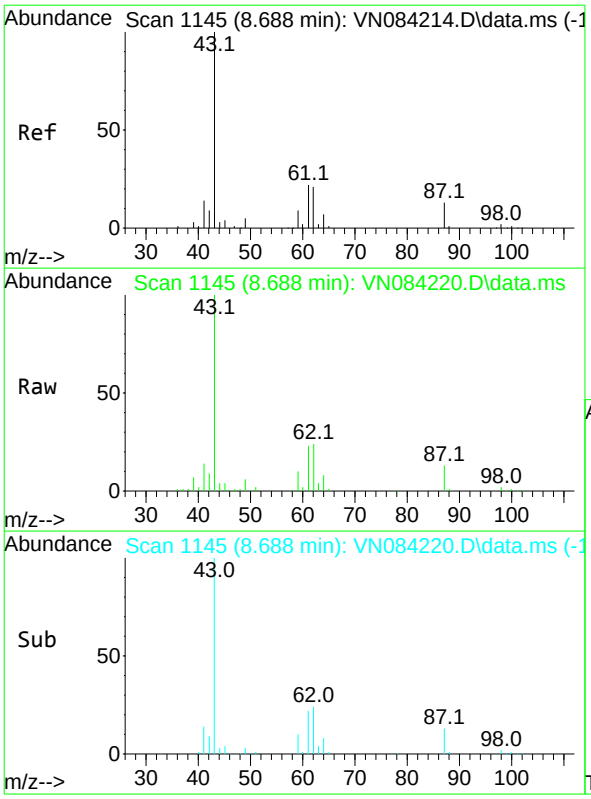


#42
1,2-Dichloroethane
Concen: 54.131 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 164758

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2

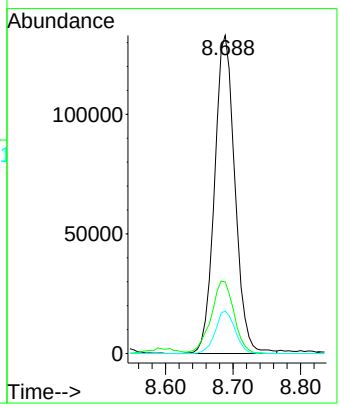




#43
Isopropyl Acetate
Concen: 48.126 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 278668

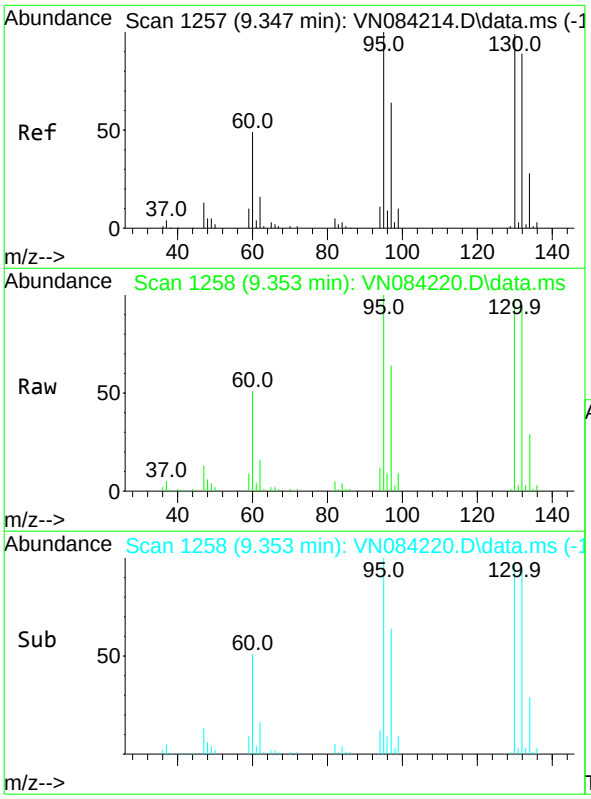
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.4	30.6
87	12.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

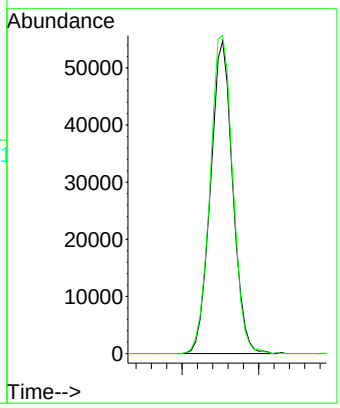
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

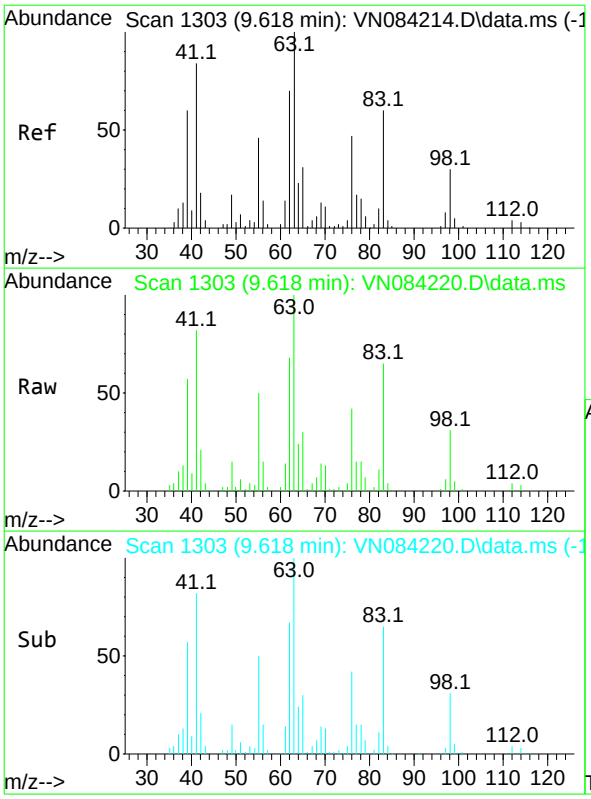


#44
Trichloroethene
Concen: 52.368 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:130 Resp: 109810

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0

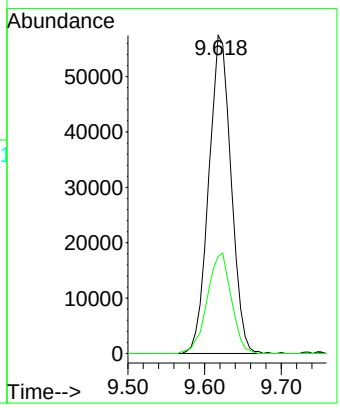




#45
1,2-Dichloropropane
Concen: 54.694 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 116161

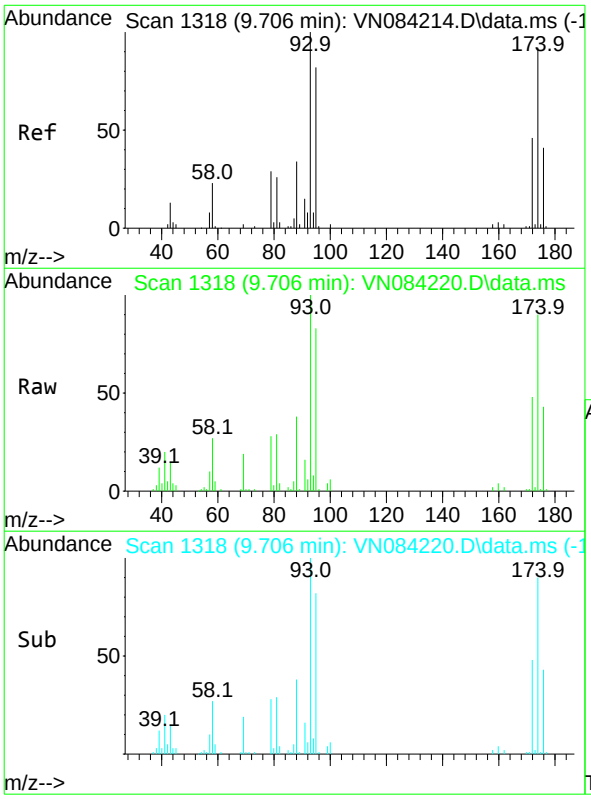
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

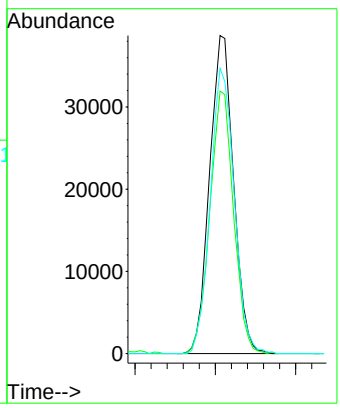
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

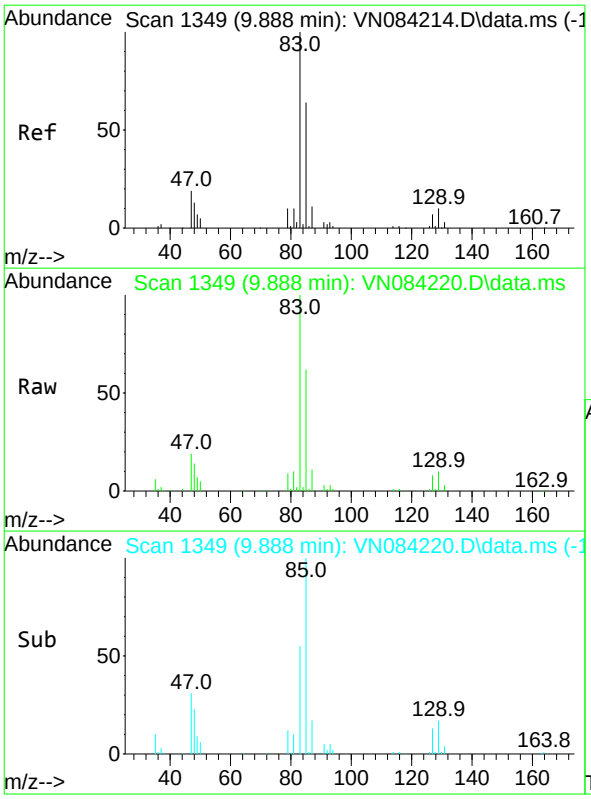


#46
Dibromomethane
Concen: 56.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

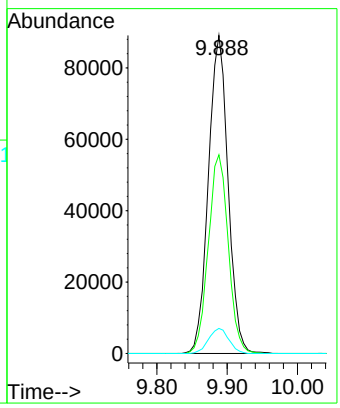




#47
Bromodichloromethane
Concen: 54.335 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 173015

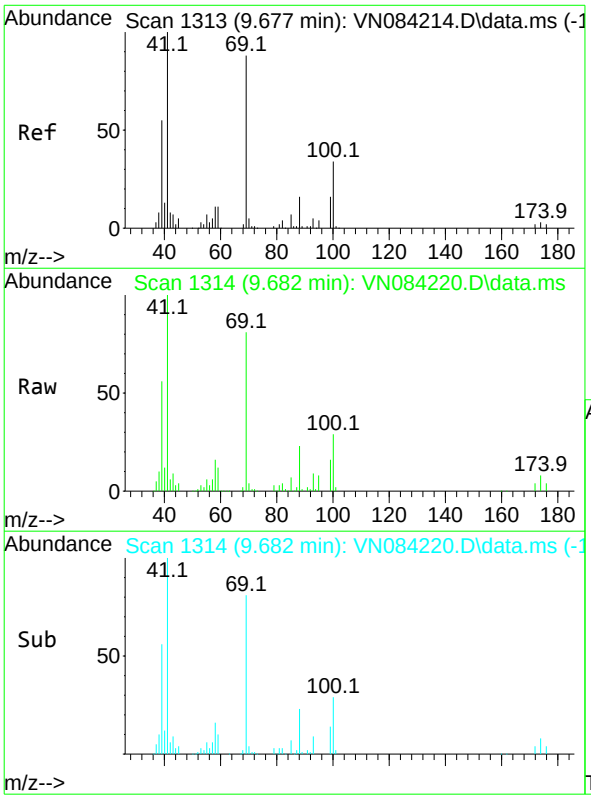
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3
127	7.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

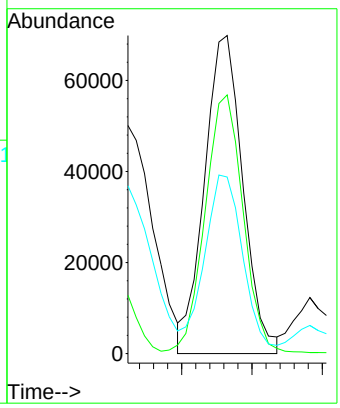
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

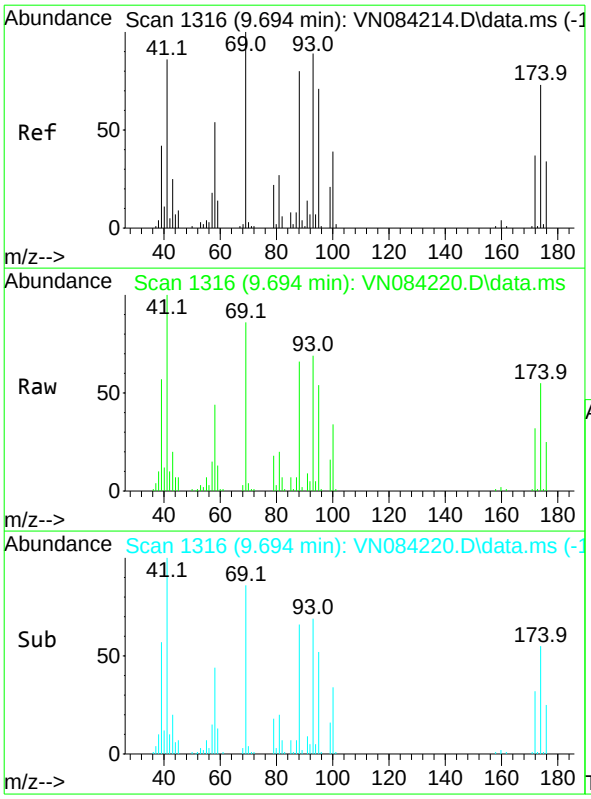


#48
Methyl methacrylate
Concen: 57.391 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

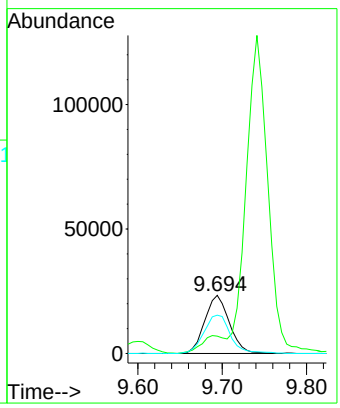




#49
1,4-Dioxane
Concen: 1111.545 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 88 Resp: 47169

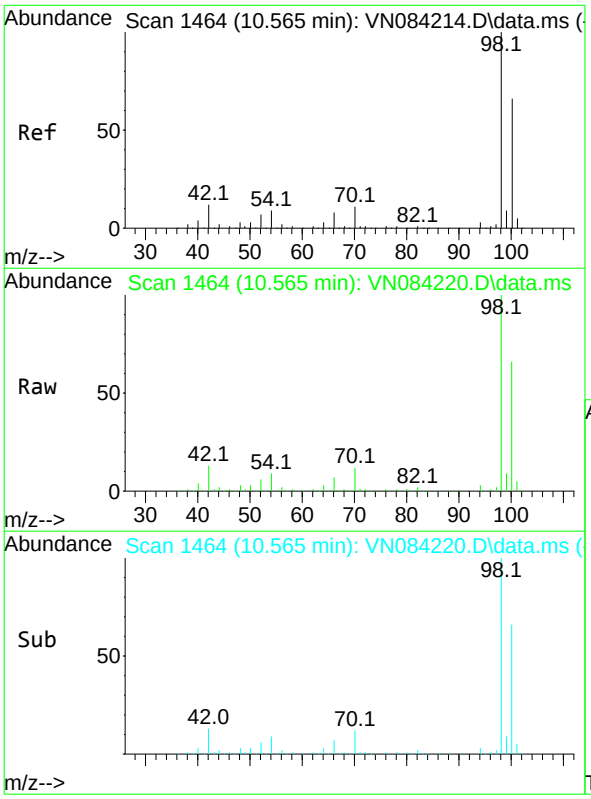
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.3	37.9
58	71.7	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

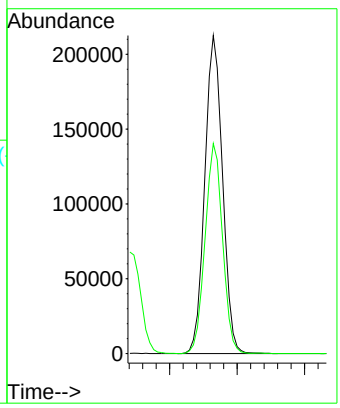
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

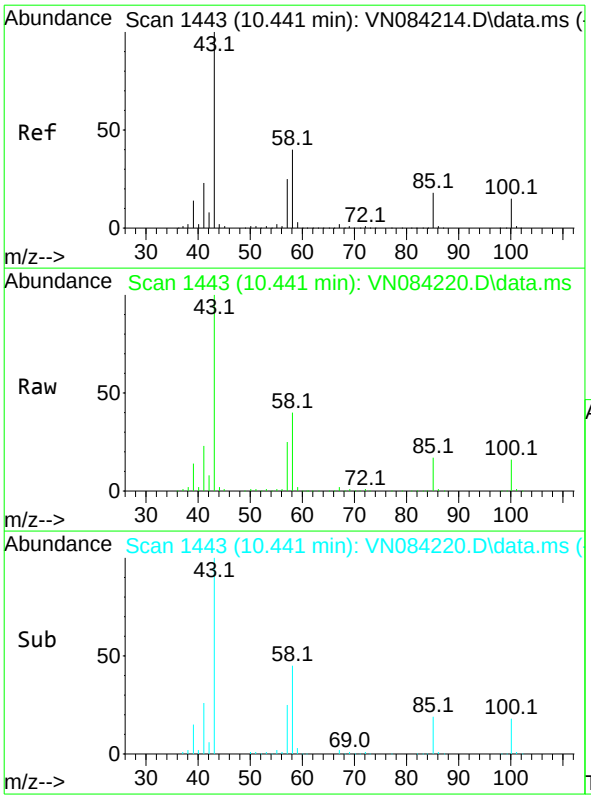


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 98 Resp: 387775

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

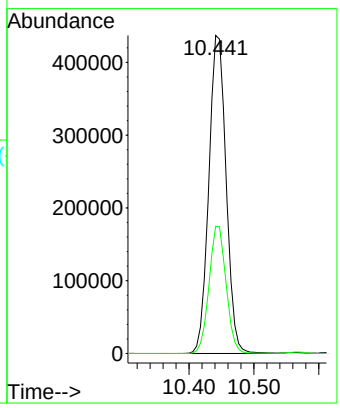




#51
4-Methyl-2-Pentanone
Concen: 287.336 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 808630

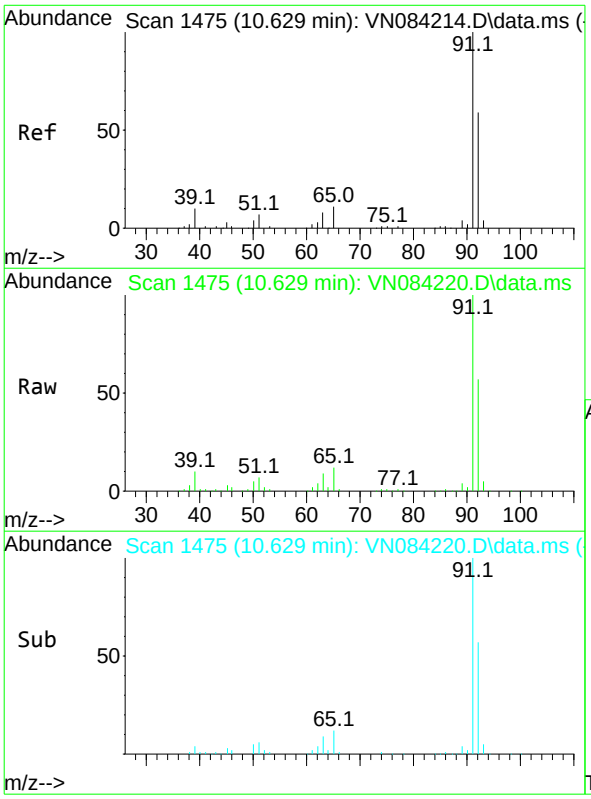
Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

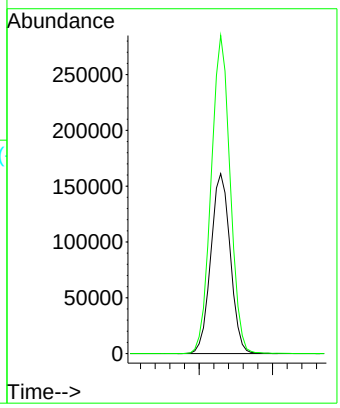
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

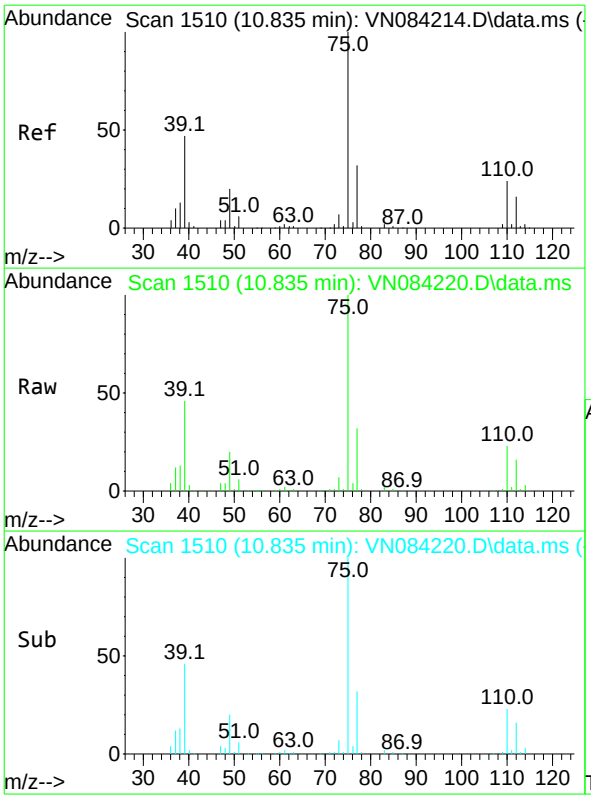


#52
Toluene
Concen: 54.185 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 92 Resp: 296651

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9

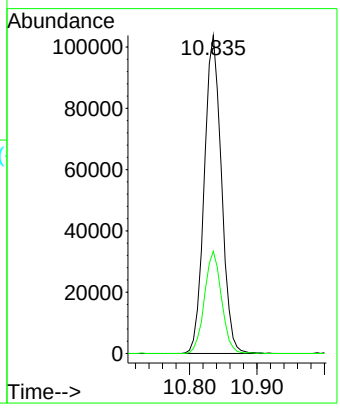




#53
t-1,3-Dichloropropene
Concen: 56.426 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 183153

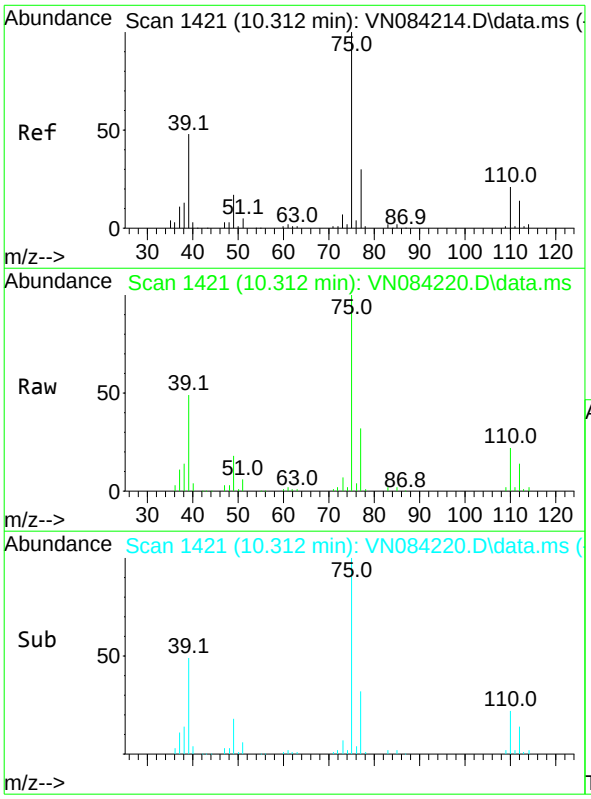
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

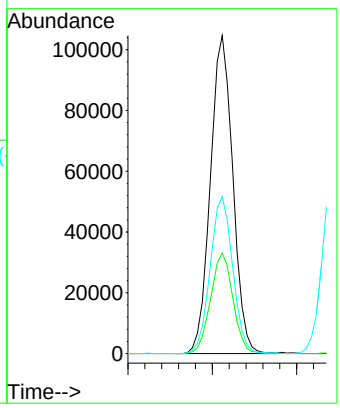
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

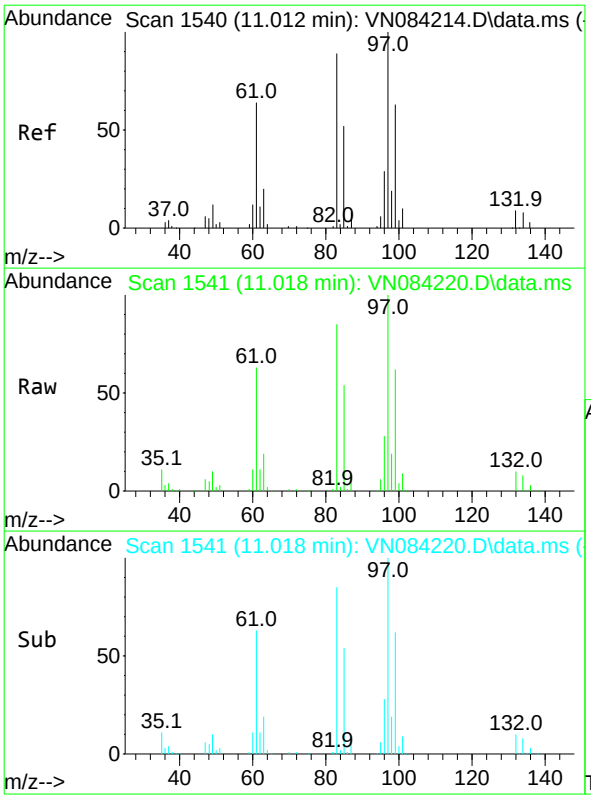


#54
cis-1,3-Dichloropropene
Concen: 55.416 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

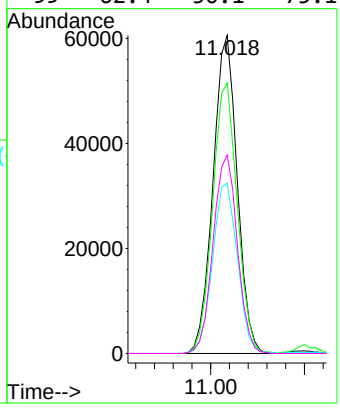




#55
1,1,2-Trichloroethane
Concen: 55.307 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 97 Resp: 108550

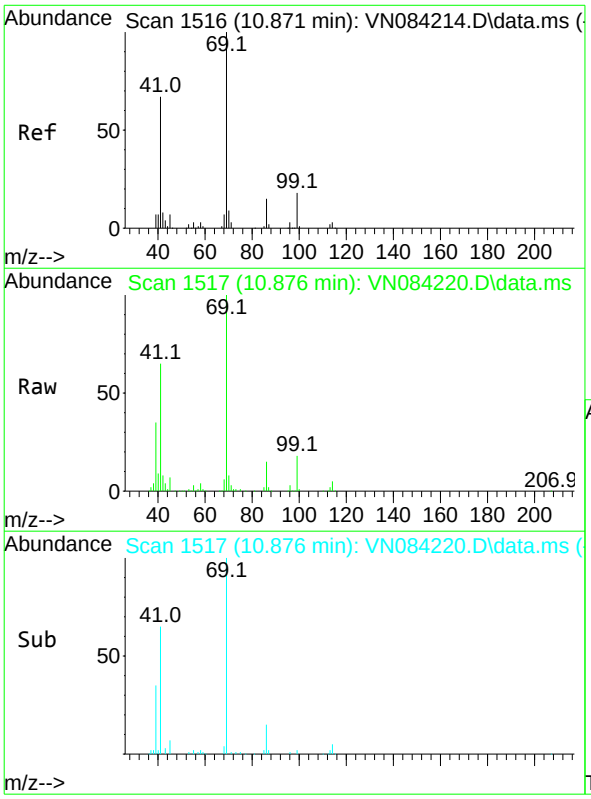
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	53.6	41.7	62.5
99	62.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

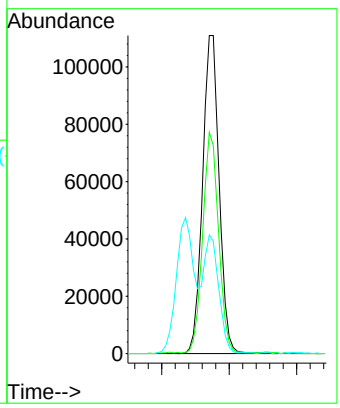
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

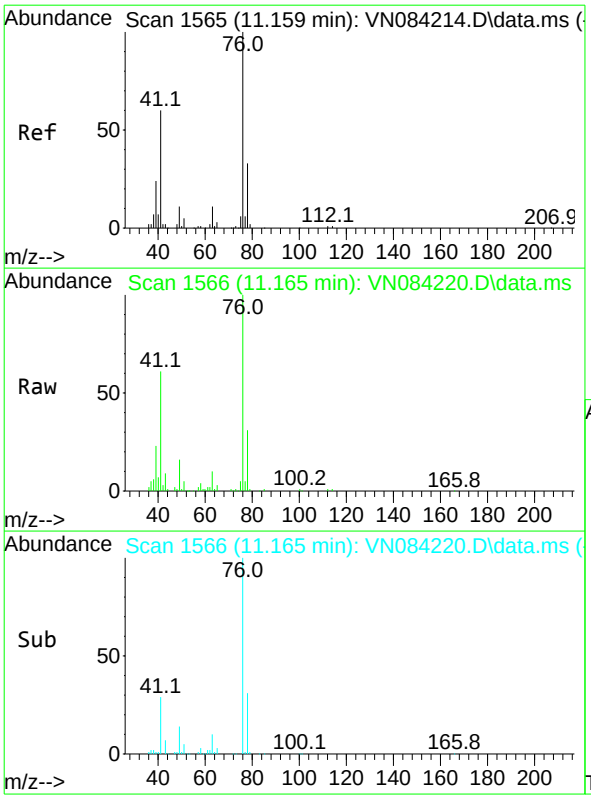


#56
Ethyl methacrylate
Concen: 58.561 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

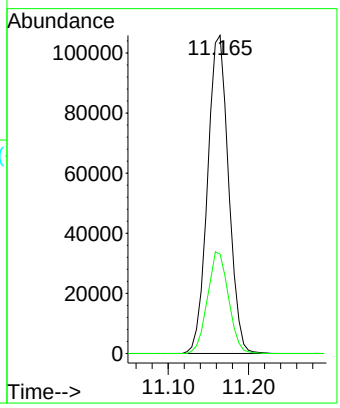




#57
1,3-Dichloropropane
Concen: 54.738 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 76 Resp: 191966

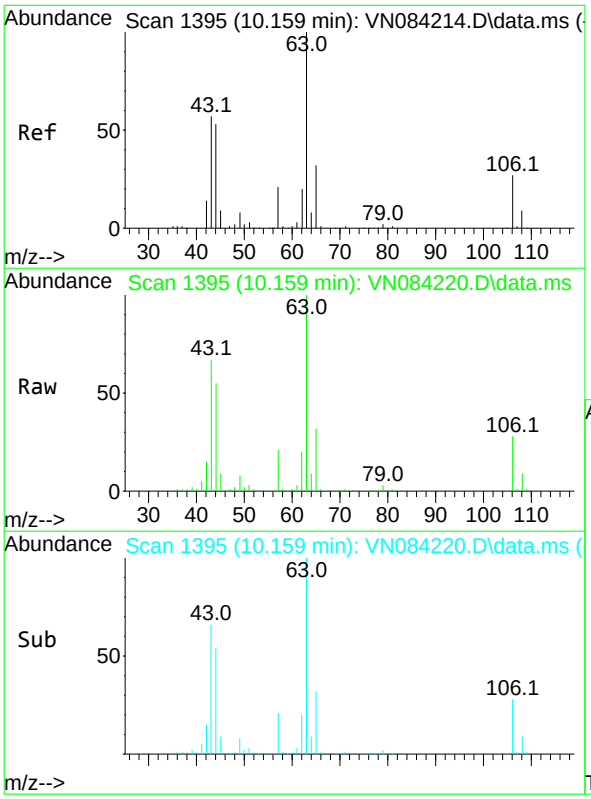
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

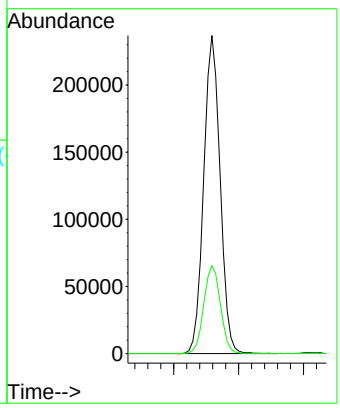
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

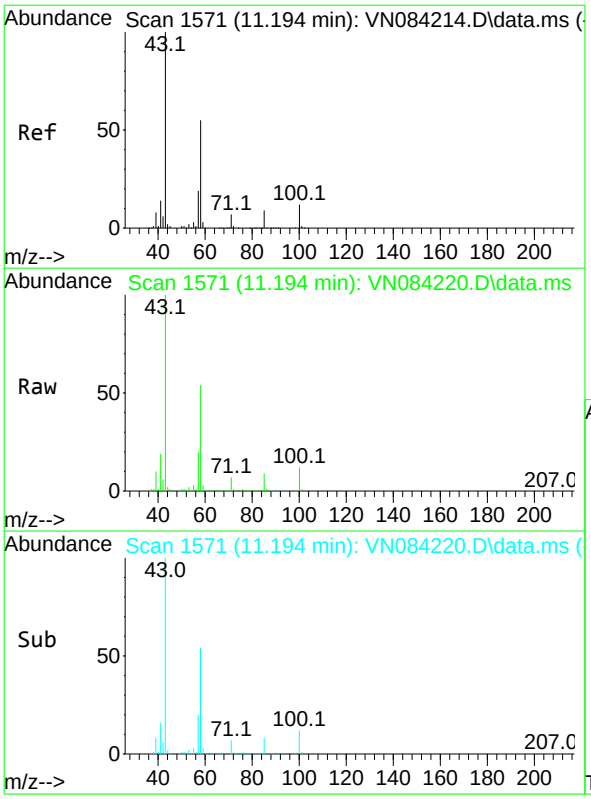


#58
2-Chloroethyl Vinyl ether
Concen: 277.315 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 415454

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6

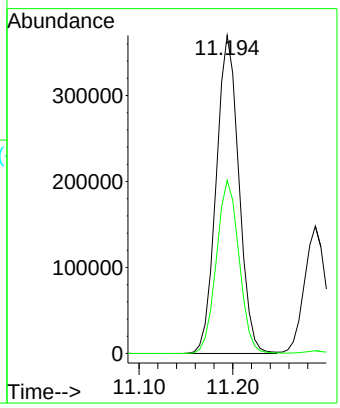




#59
2-Hexanone
Concen: 295.238 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 621000

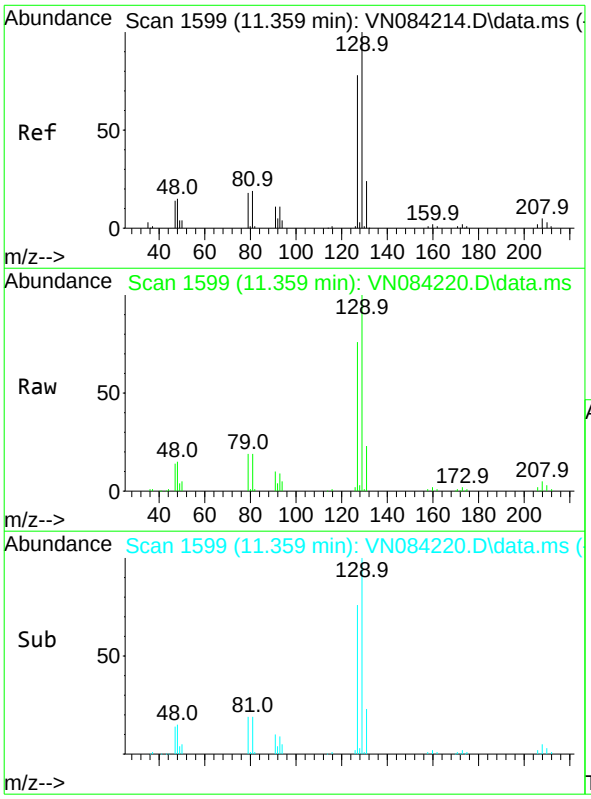
Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

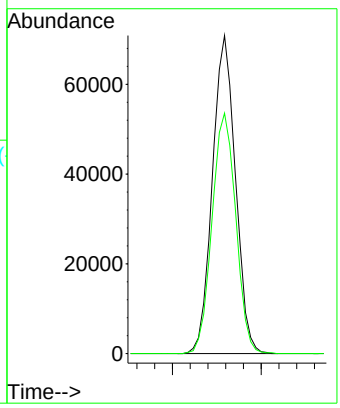
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

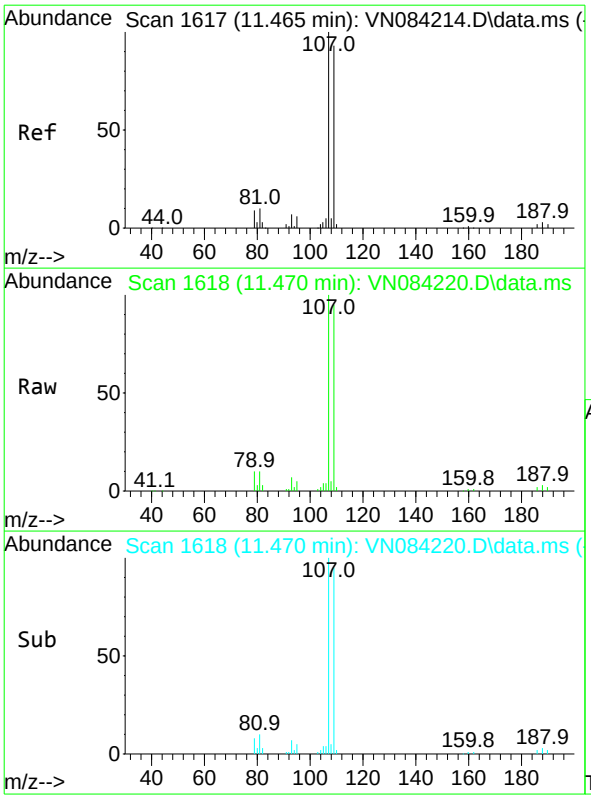


#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:129 Resp: 127786

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9

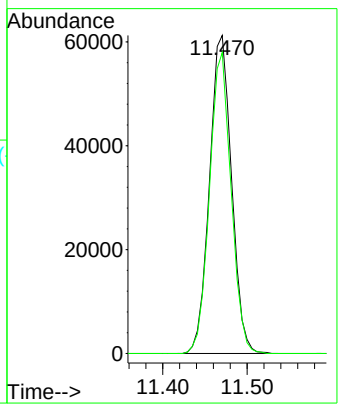




#61
1,2-Dibromoethane
Concen: 54.548 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:107 Resp: 111244

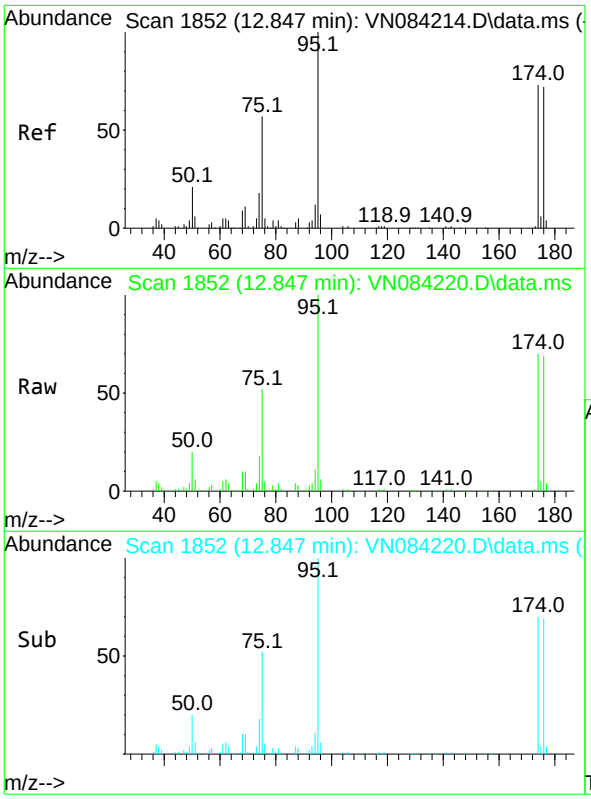
Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

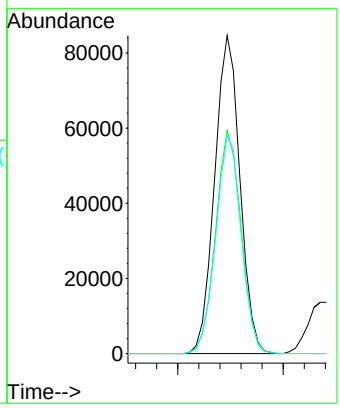
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

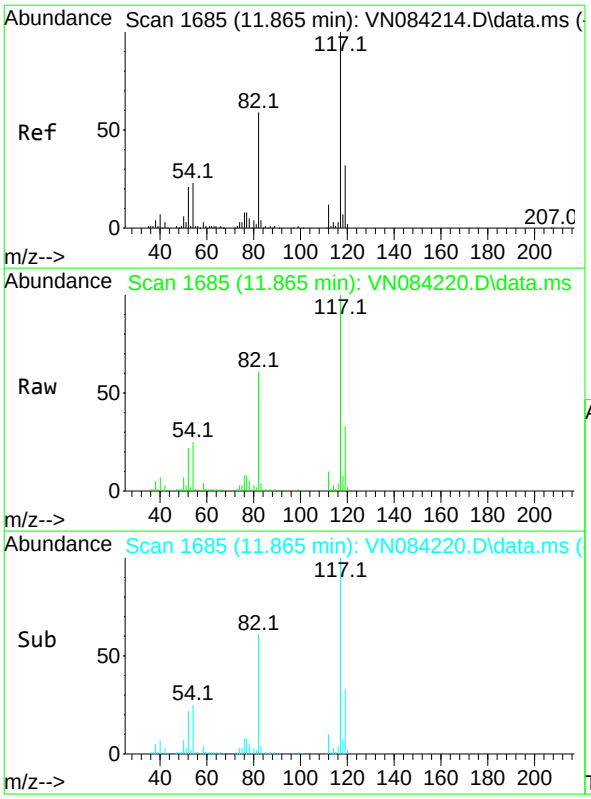


#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

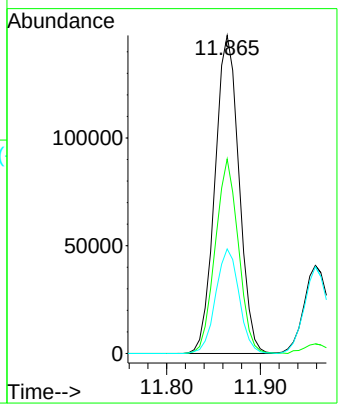




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 263364

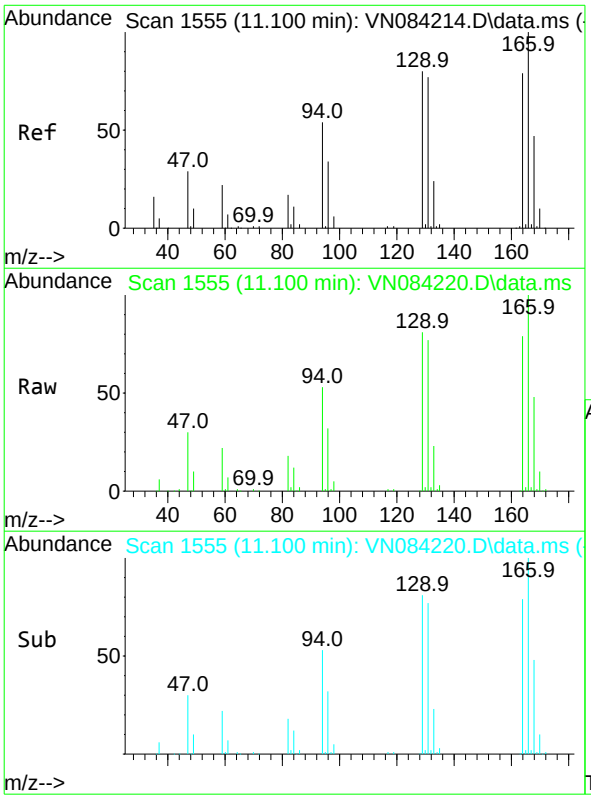
Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.2	70.8
119	32.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

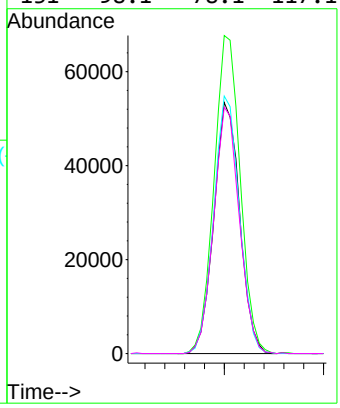
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

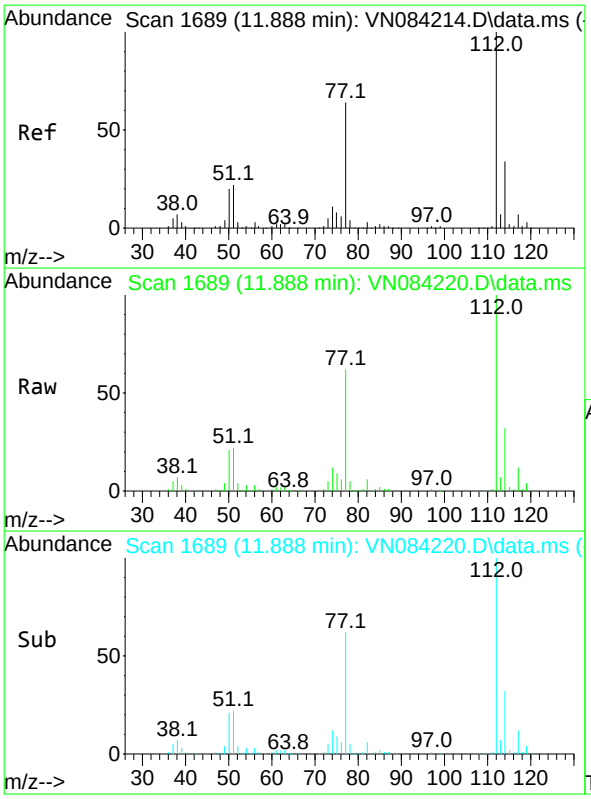


#64
Tetrachloroethene
Concen: 52.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

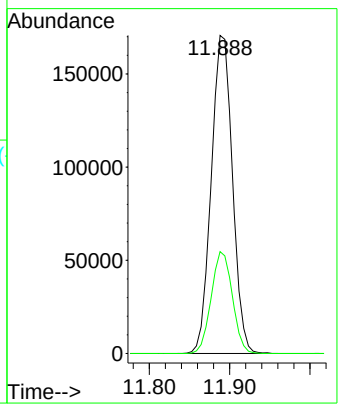




#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:112 Resp: 312728

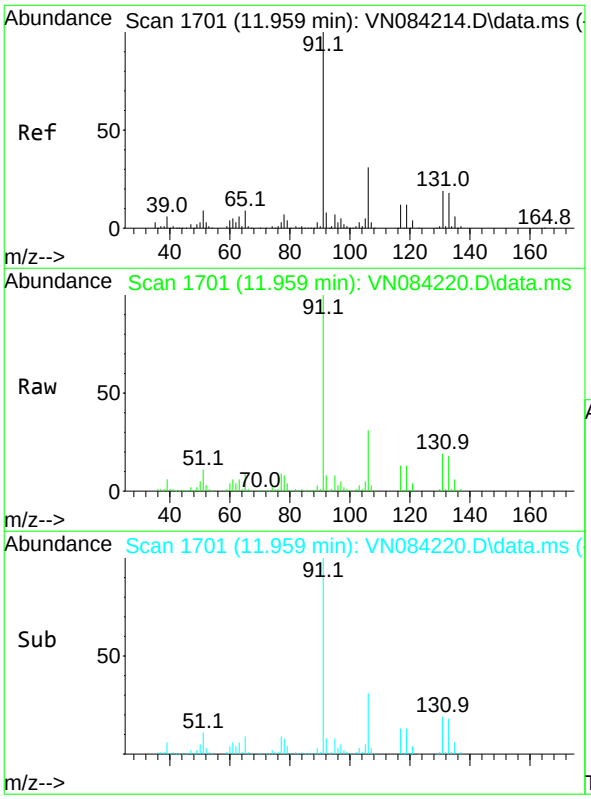
Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

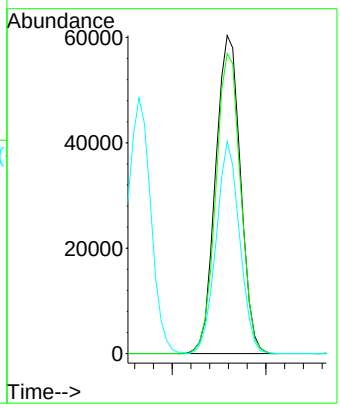
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

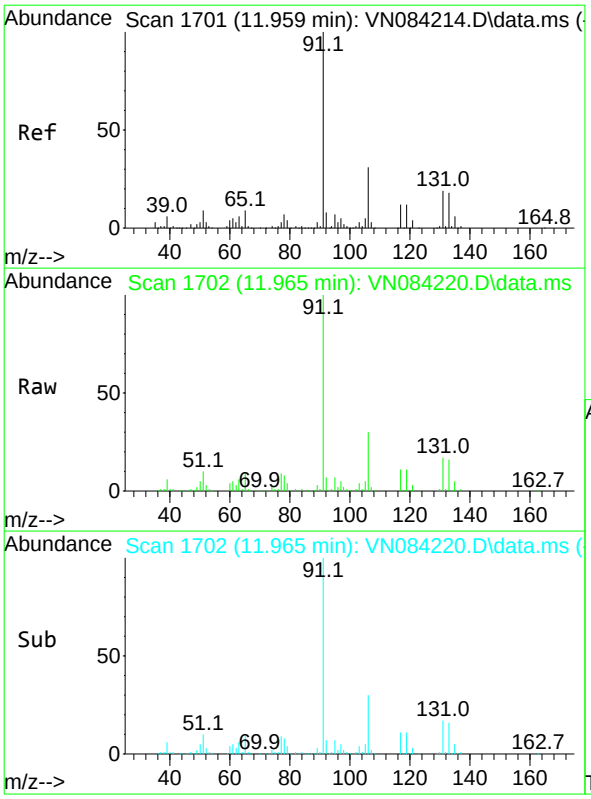


#66
1,1,1,2-Tetrachloroethane
Concen: 55.381 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

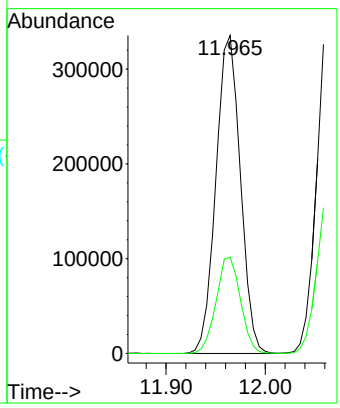




#67
Ethyl Benzene
Concen: 55.563 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 573790

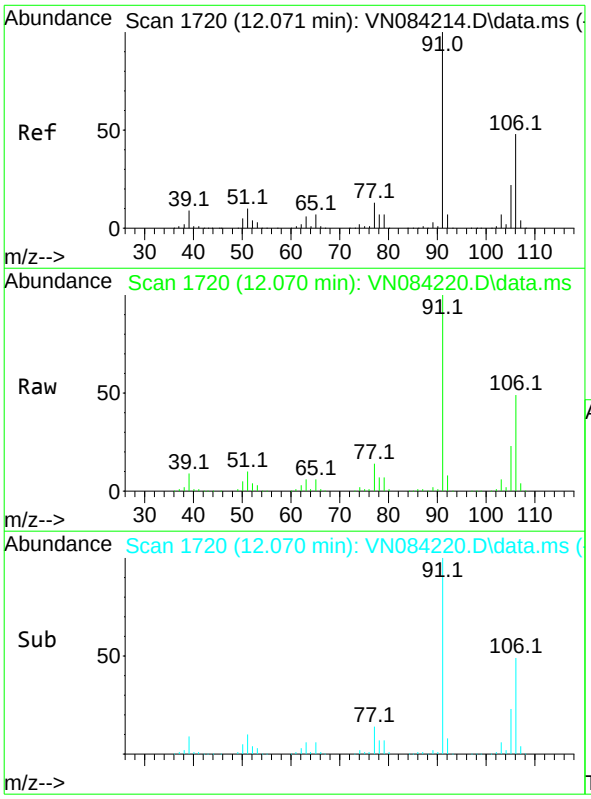
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

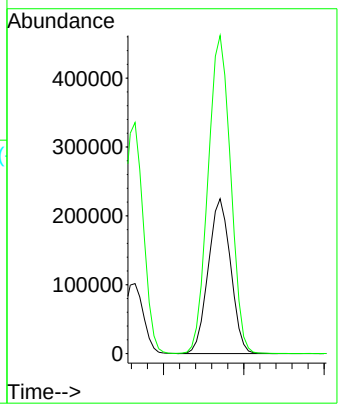
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

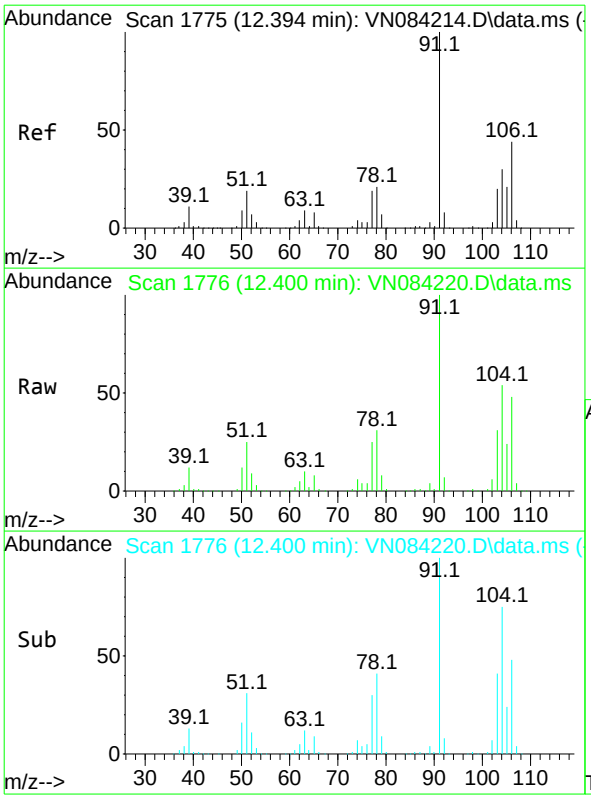


#68
m/p-Xylenes
Concen: 113.748 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 434515

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.1	250.7

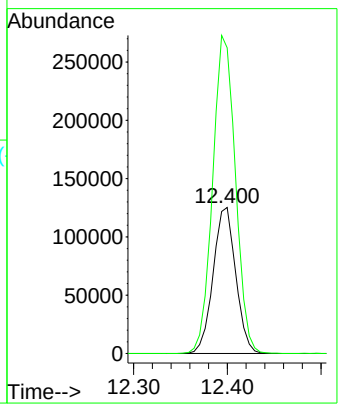




#69
o-Xylene
Concen: 58.032 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 209737

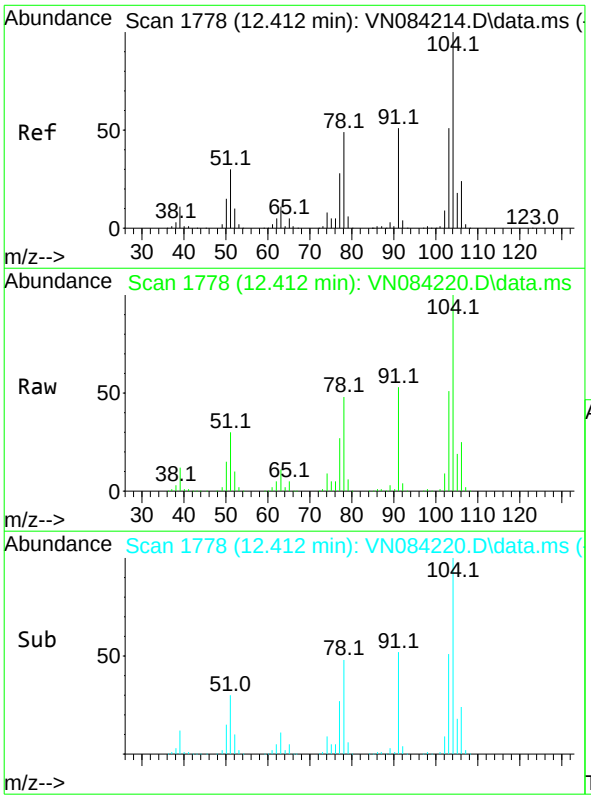
Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

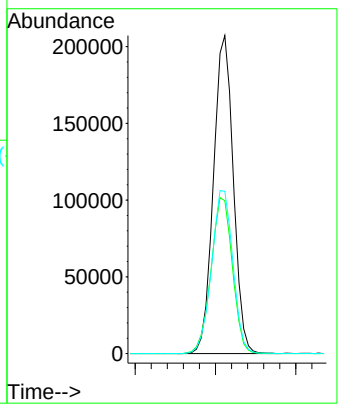
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

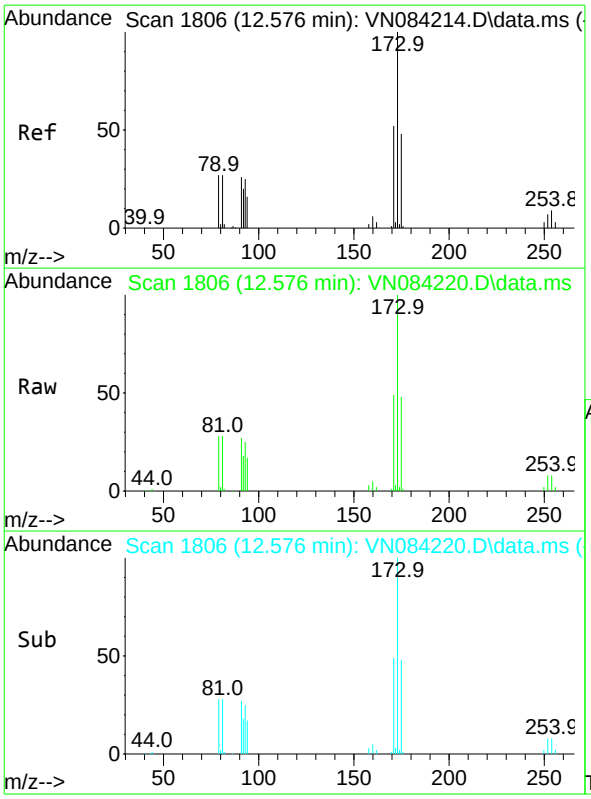


#70
Styrene
Concen: 58.136 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

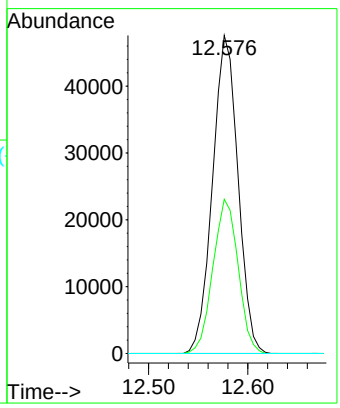




#71
Bromoform
Concen: 57.258 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:173 Resp: 84787

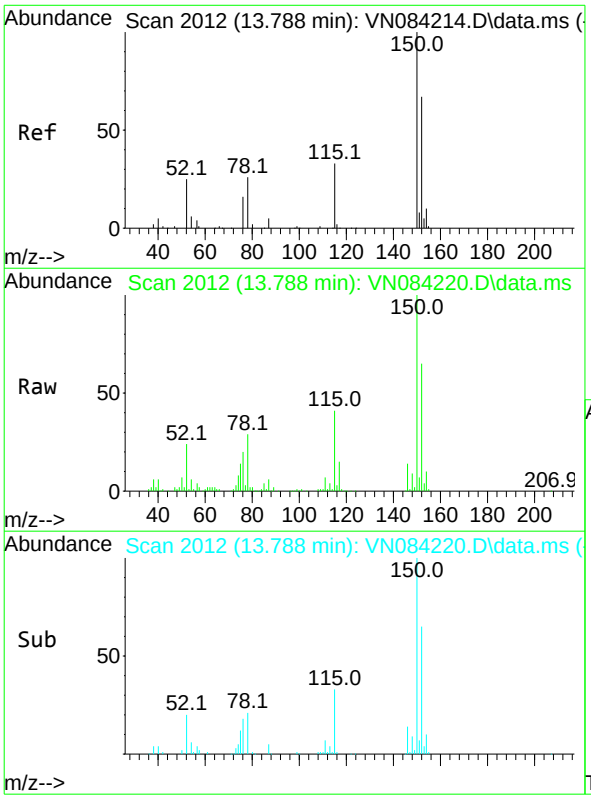
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

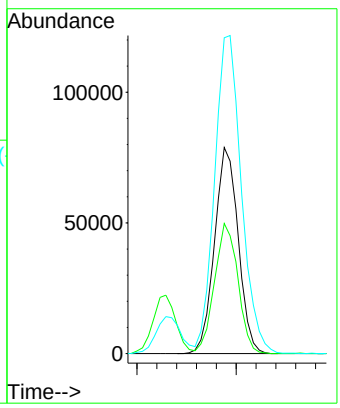
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

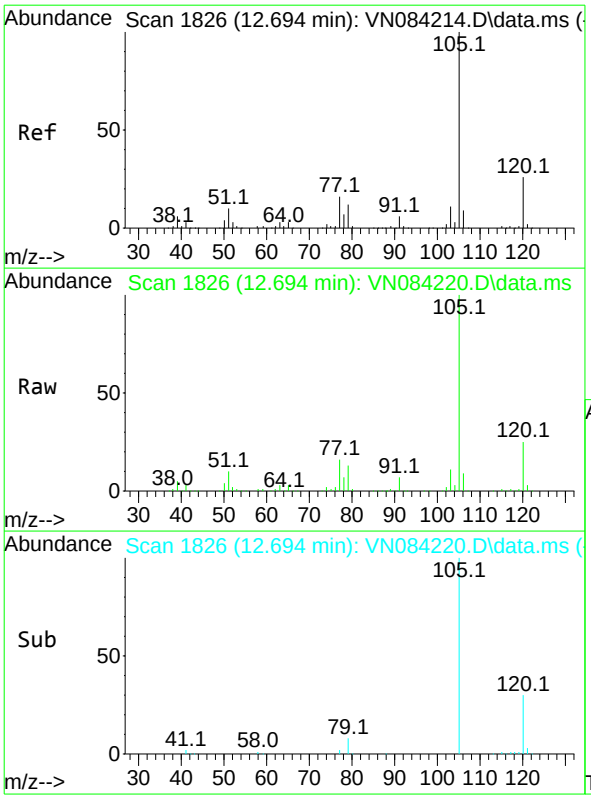


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

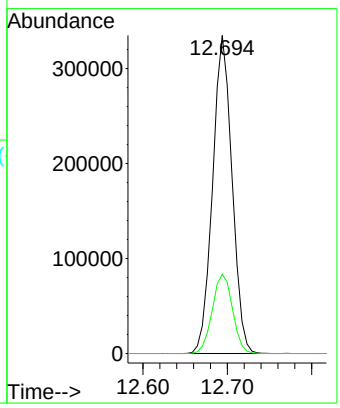




#73
Isopropylbenzene
Concen: 53.604 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 535240

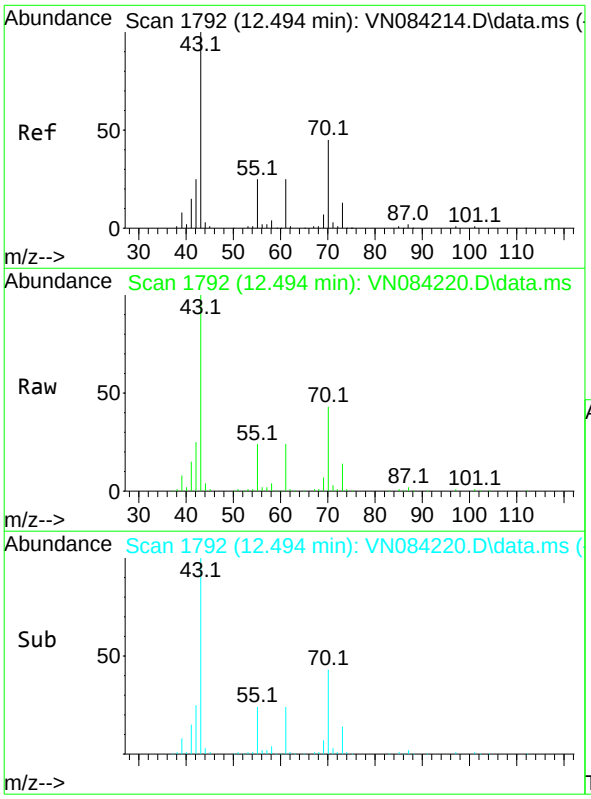
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

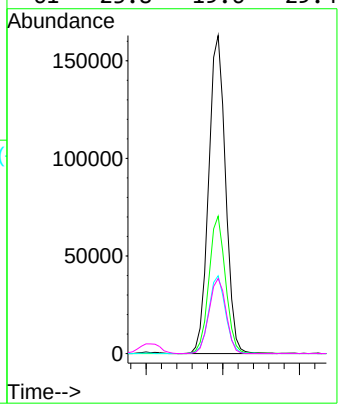
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

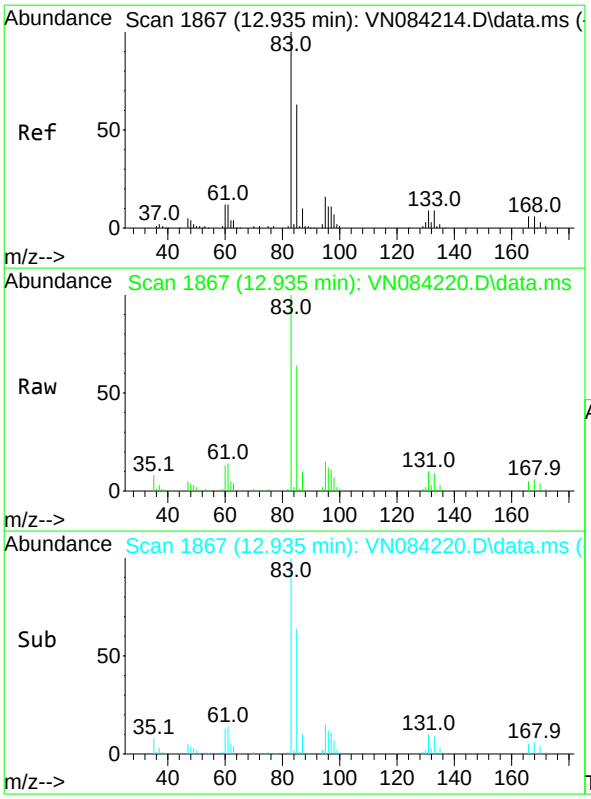


#74
N-amyl acetate
Concen: 55.118 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

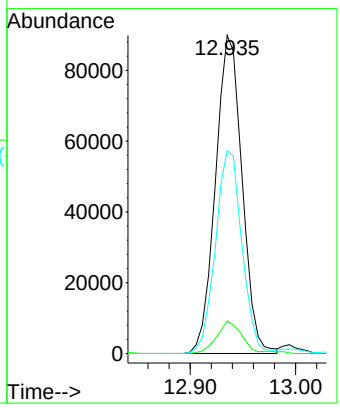




#75
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 157322

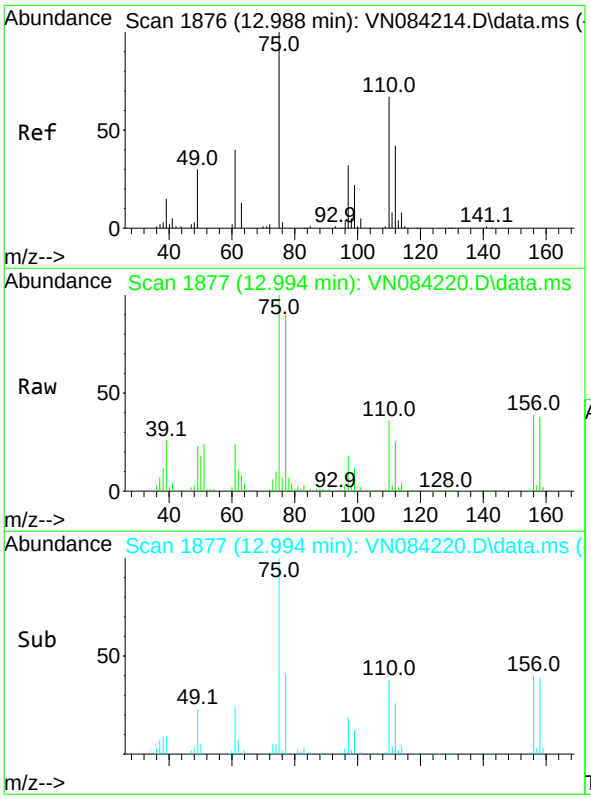
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

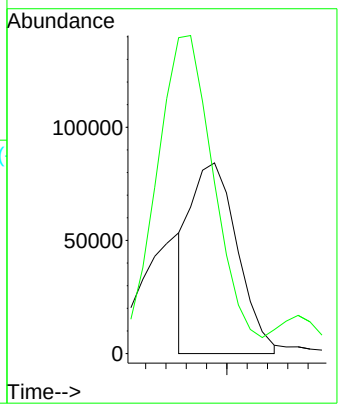
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

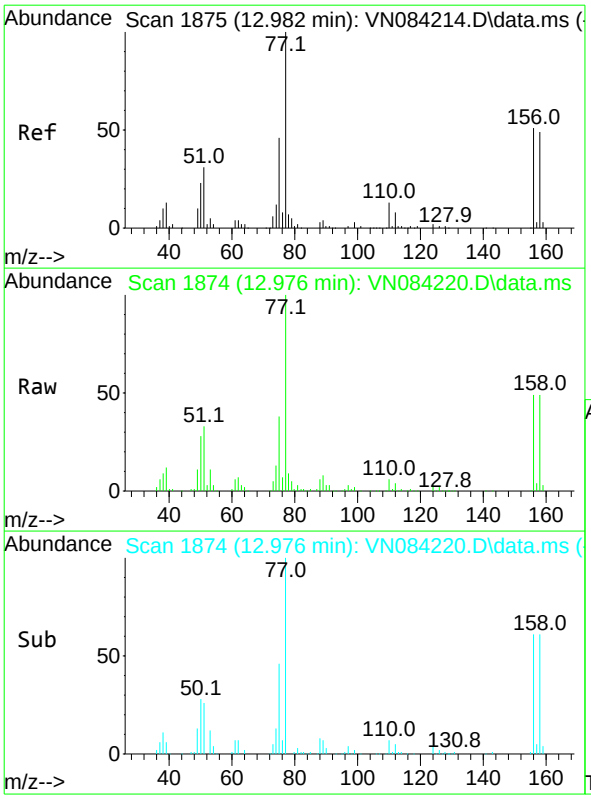


#76
1,2,3-Trichloropropane
Concen: 50.475 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 134836

Ion	Ratio	Lower	Upper
75	100		
77	208.3	96.9	290.7

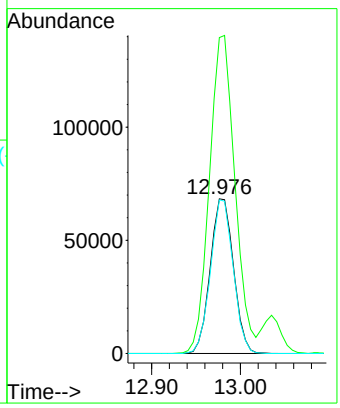




#77
Bromobenzene
Concen: 51.676 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:156 Resp: 124463

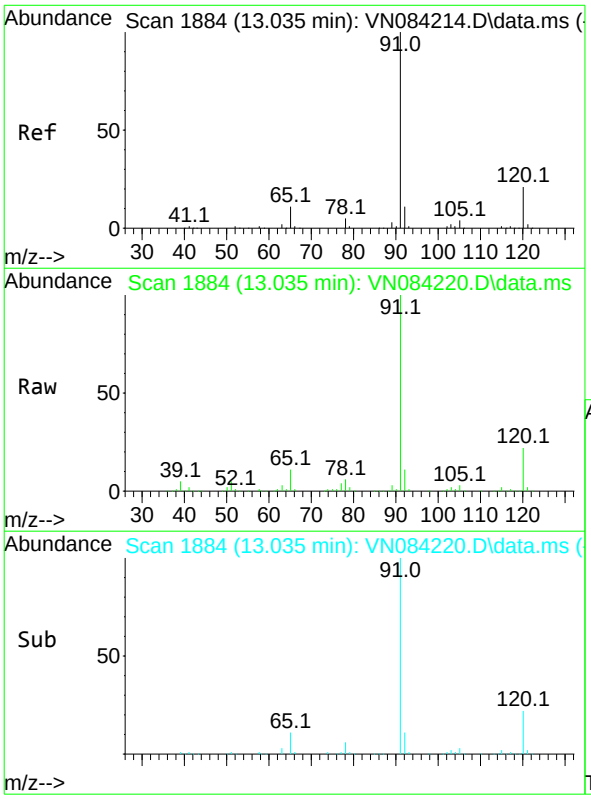
Ion	Ratio	Lower	Upper
156	100		
77	225.7	115.1	345.3
158	96.8	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

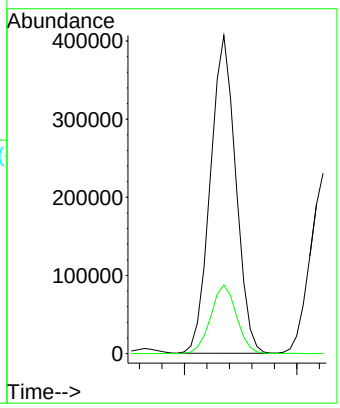
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

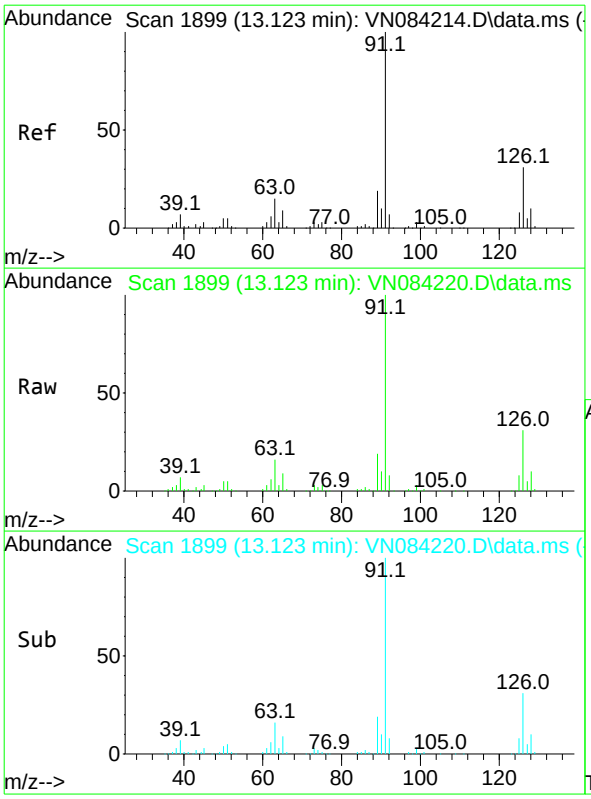


#78
n-propylbenzene
Concen: 55.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 638464

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

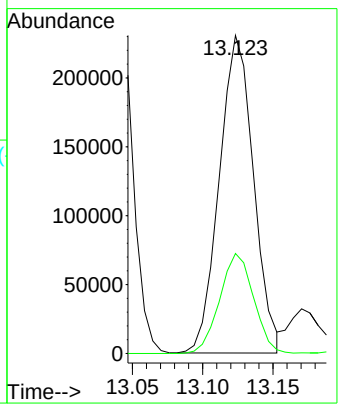




#79
2-Chlorotoluene
Concen: 52.898 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 390502

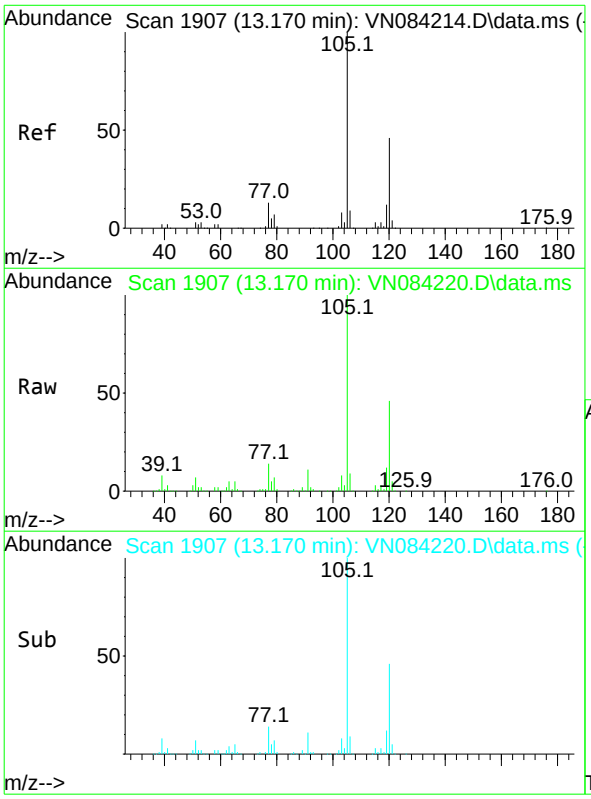
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

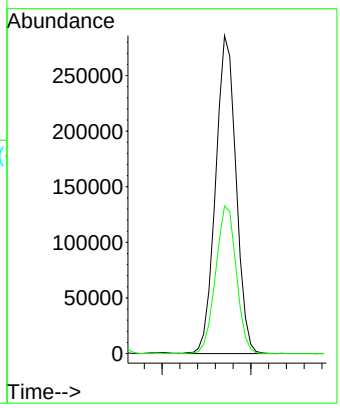
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

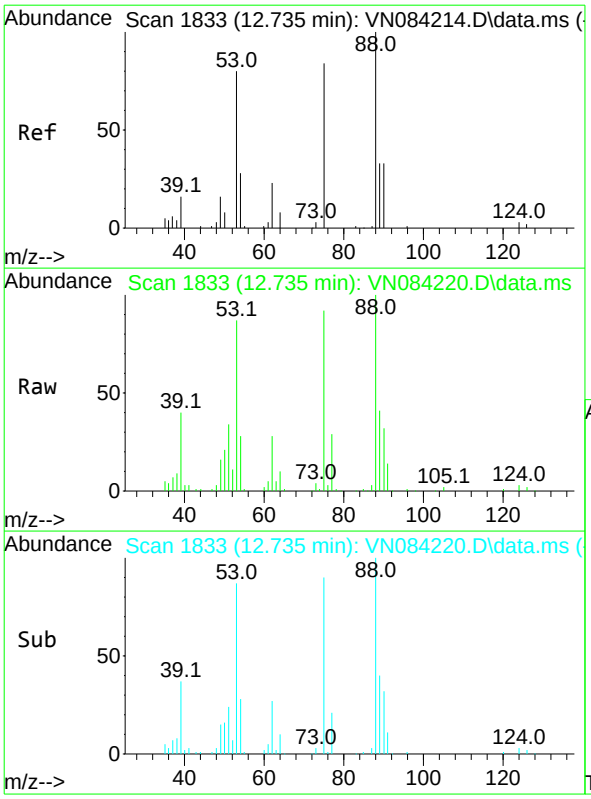


#80
1,3,5-Trimethylbenzene
Concen: 56.101 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 456943

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1

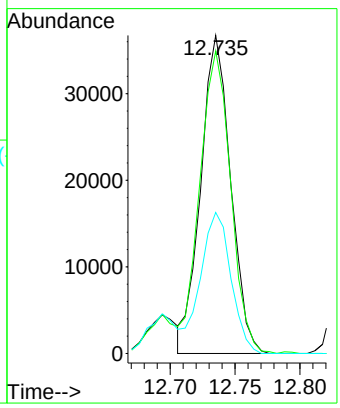




#81
trans-1,4-Dichloro-2-butene
Concen: 52.939 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 58987

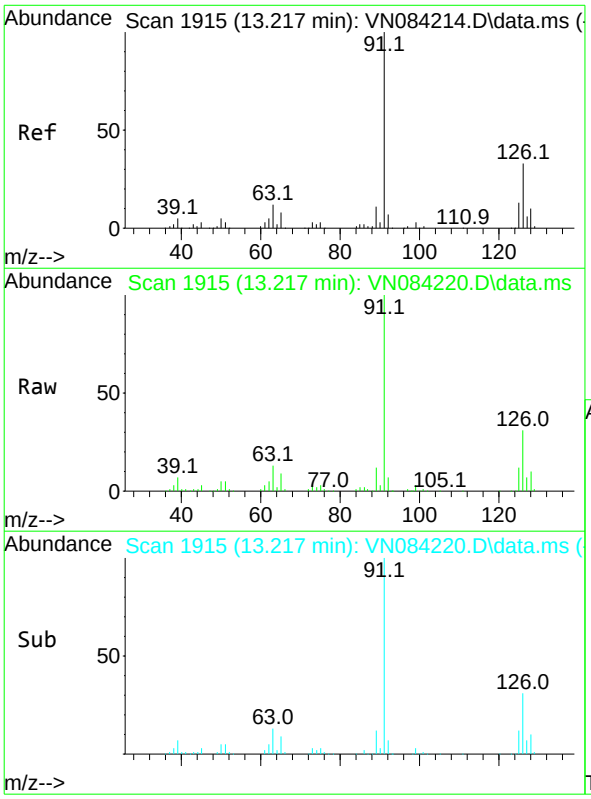
Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	45.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

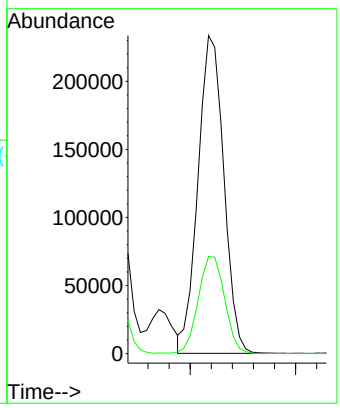
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

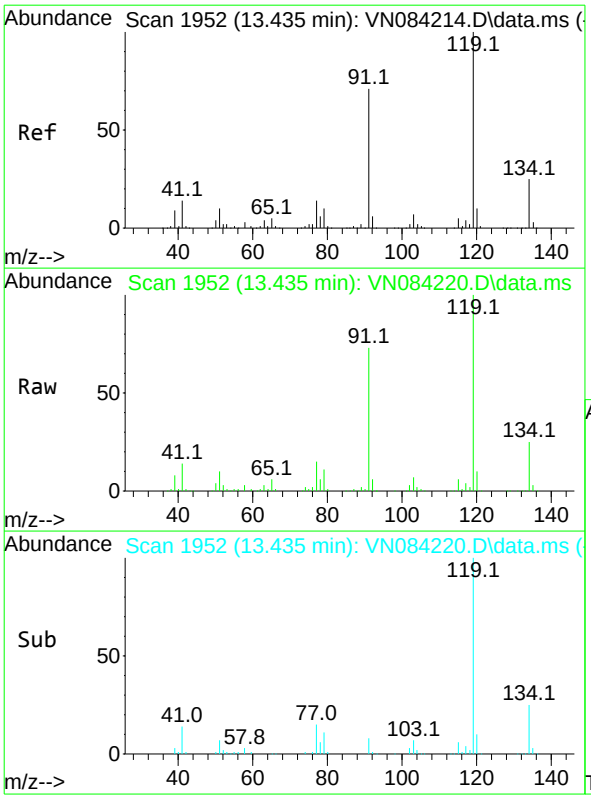


#82
4-Chlorotoluene
Concen: 53.455 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 397246

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

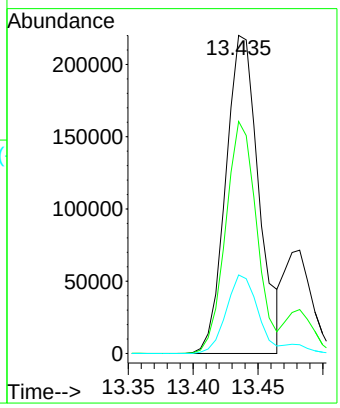




#83
tert-Butylbenzene
Concen: 53.903 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:119 Resp: 390221

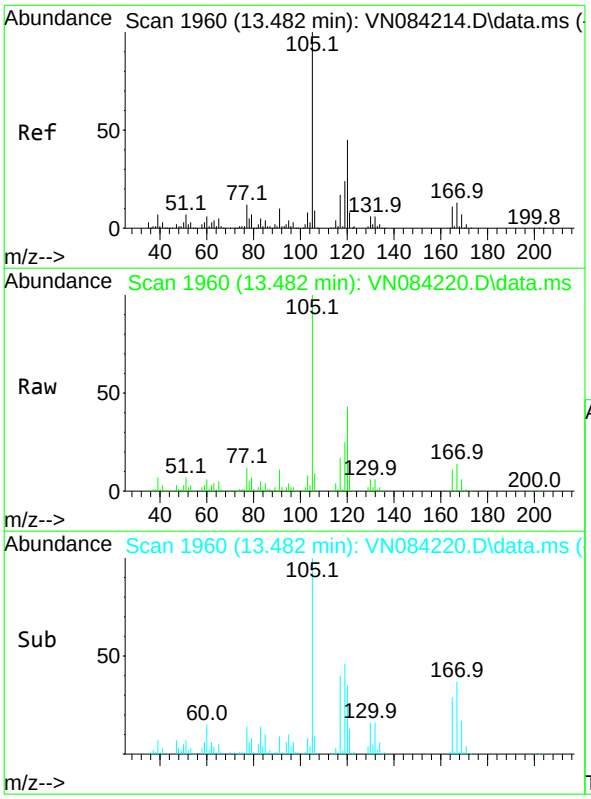
Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.1	102.3
134	23.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

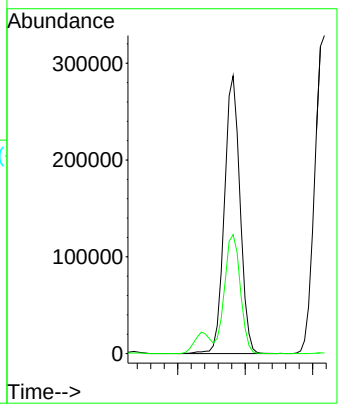
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

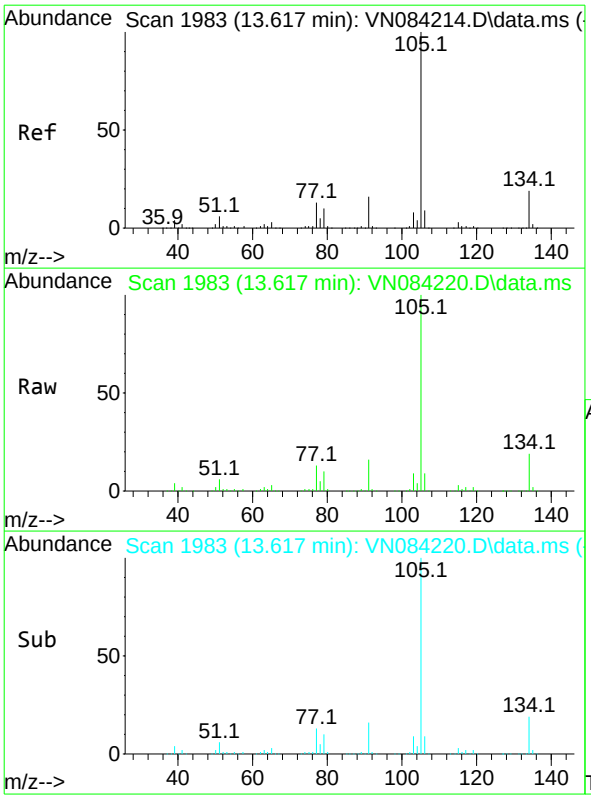


#84
1,2,4-Trimethylbenzene
Concen: 56.199 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 461123

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8

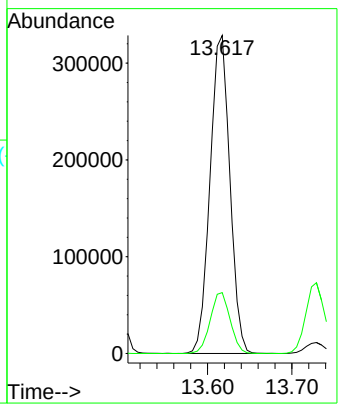




#85
sec-Butylbenzene
Concen: 55.556 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 536685

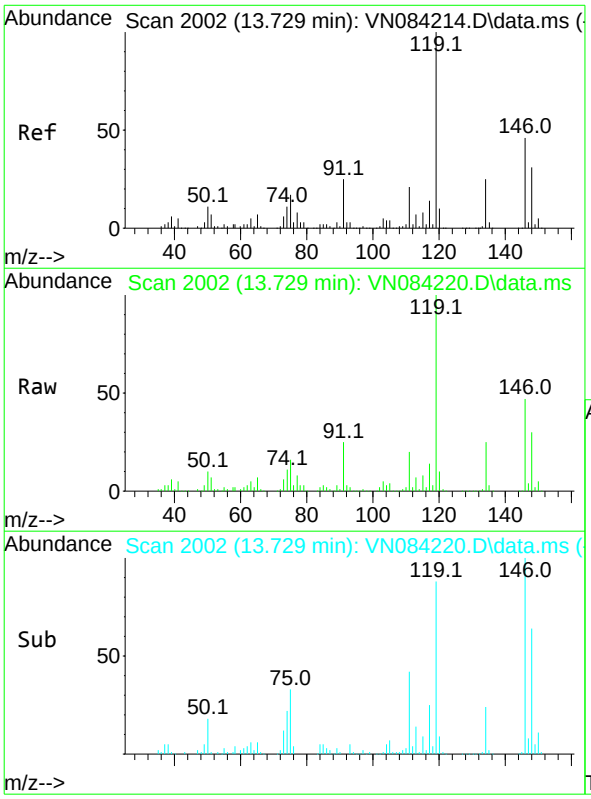
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

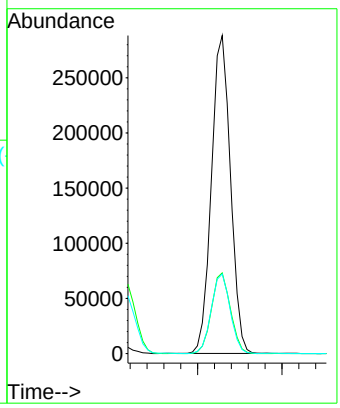
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

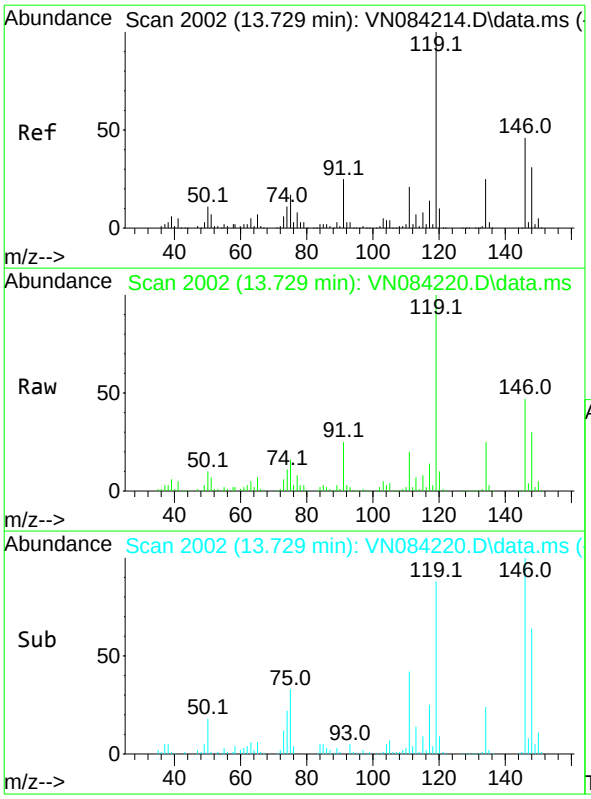


#86
p-Isopropyltoluene
Concen: 56.614 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

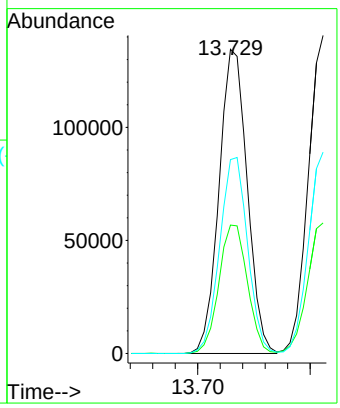




#87
1,3-Dichlorobenzene
Concen: 51.830 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 234190

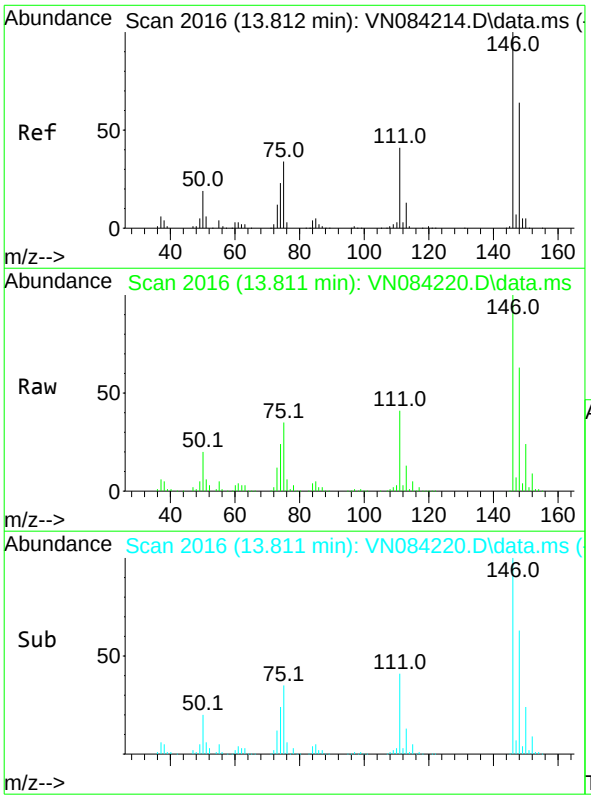
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations
APPROVED

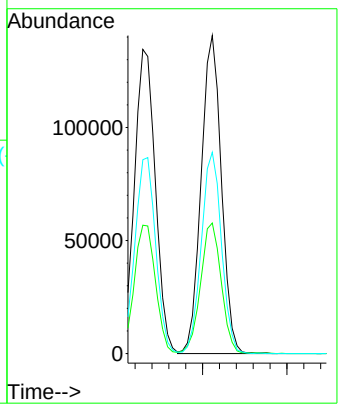
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

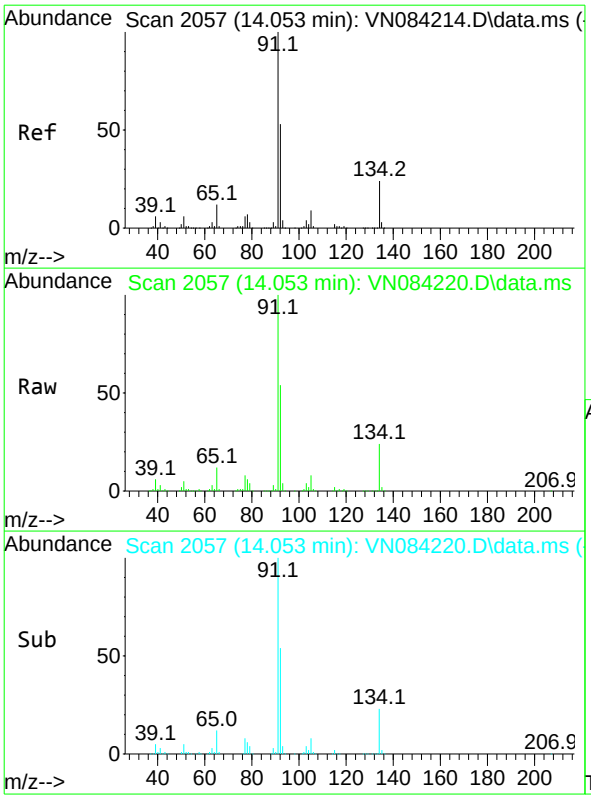


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

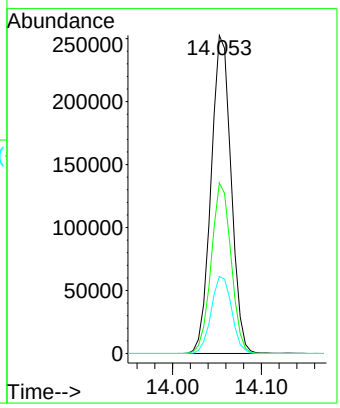




#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 396001

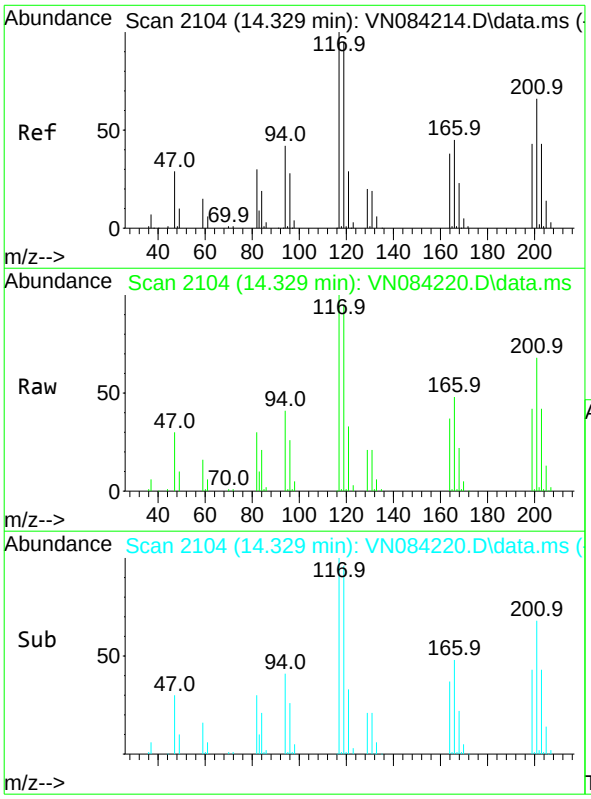
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.7	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

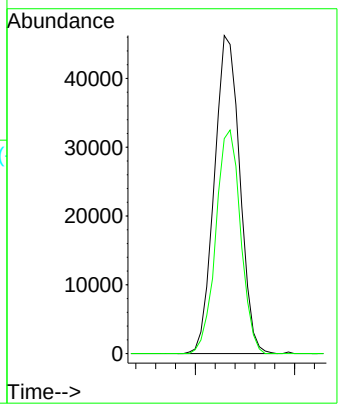
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

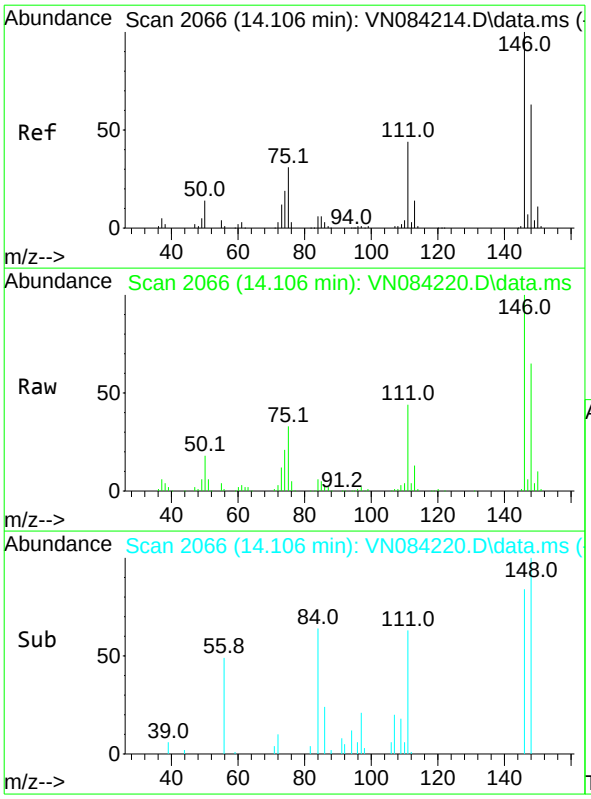


#90
Hexachloroethane
Concen: 50.795 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 82363

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2

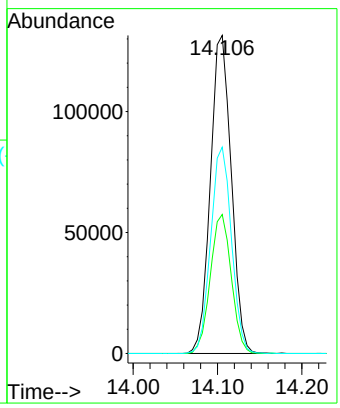




#91
1,2-Dichlorobenzene
Concen: 51.082 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:146 Resp: 226320

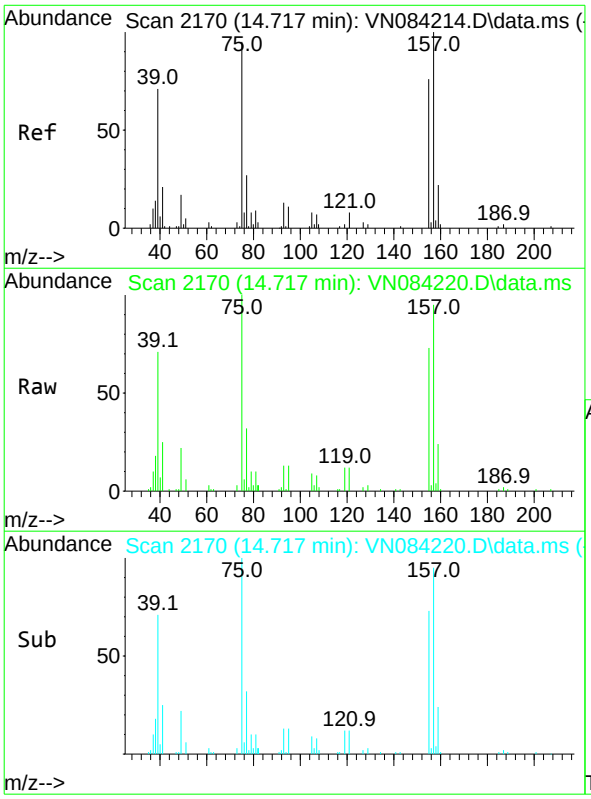
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

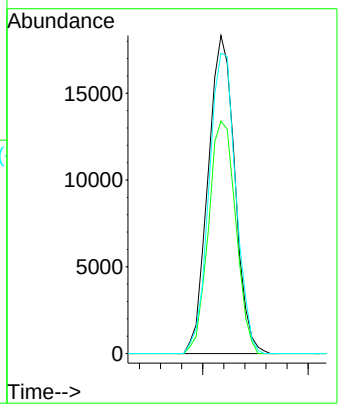
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

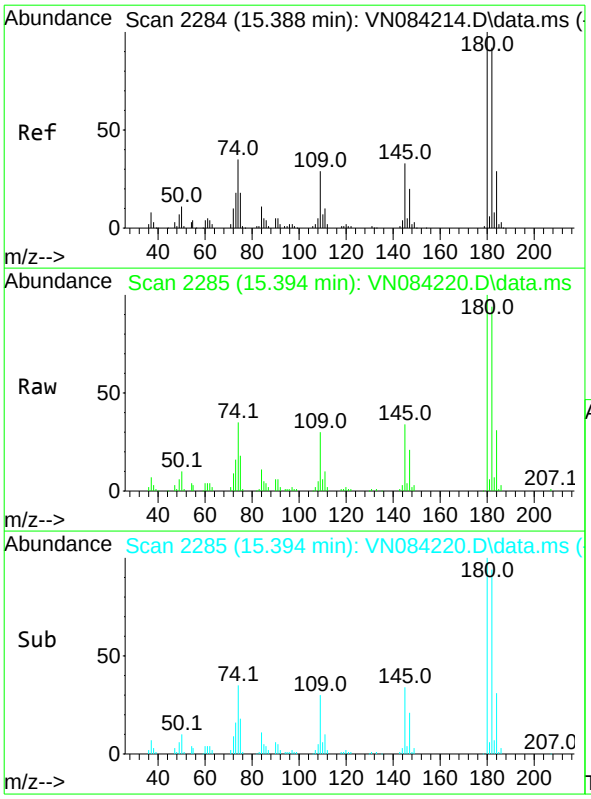


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

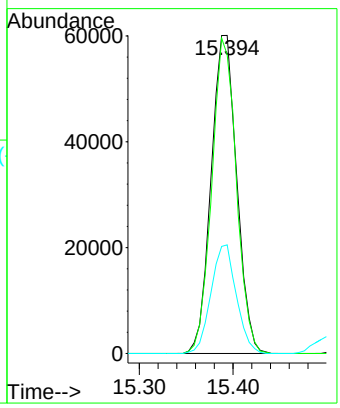




#93
1,2,4-Trichlorobenzene
Concen: 52.311 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:180 Resp: 114157

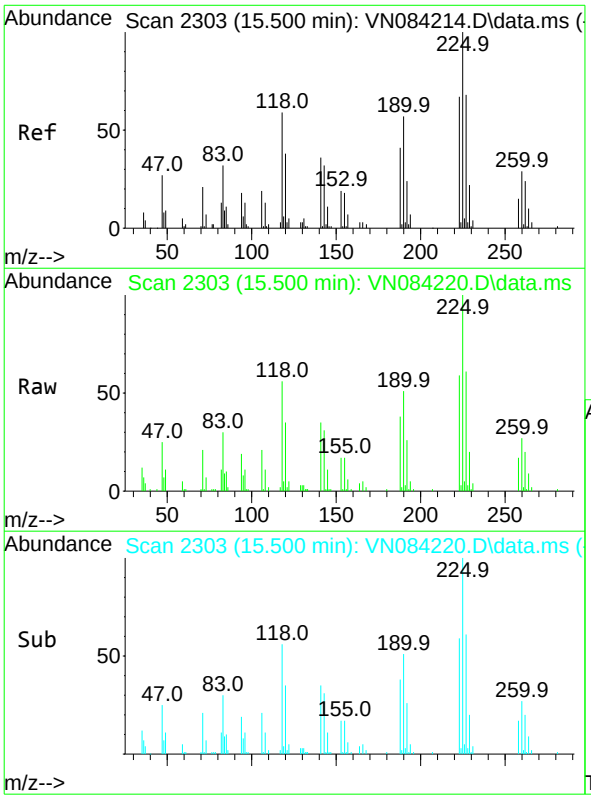
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	33.8	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

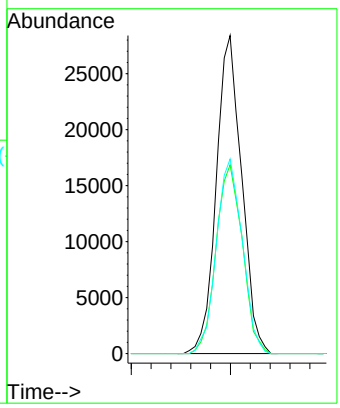
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024

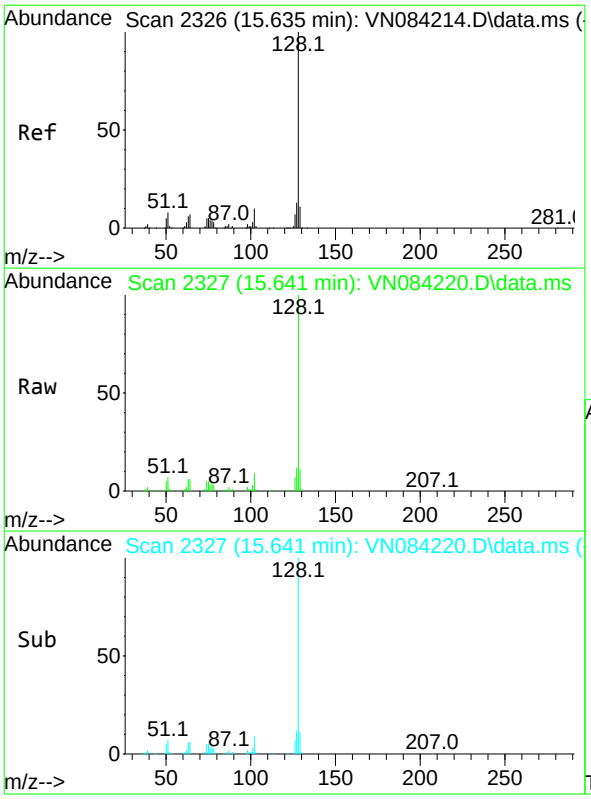


#94
Hexachlorobutadiene
Concen: 46.368 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

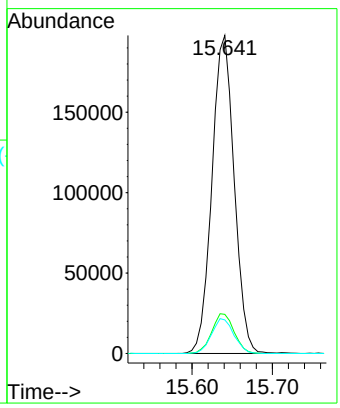




#95
Naphthalene
Concen: 52.602 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:128 Resp: 380549

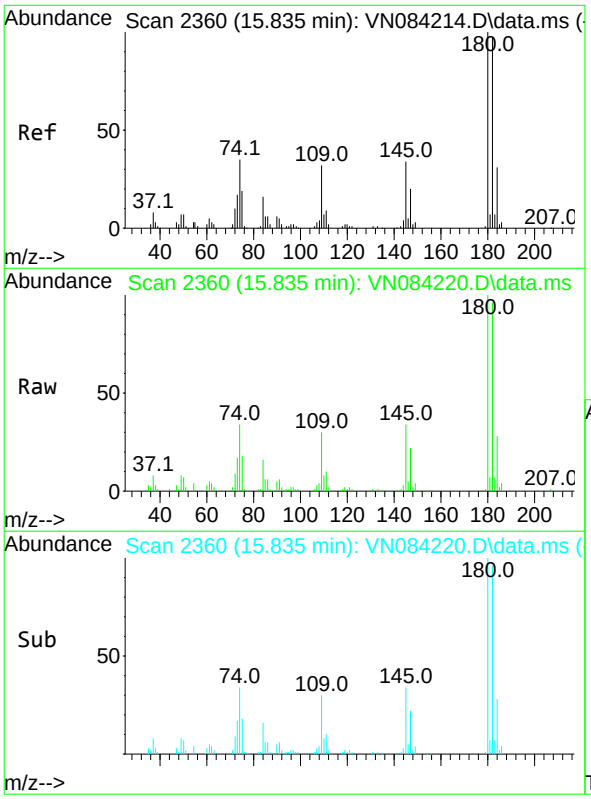
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Manual Integrations APPROVED

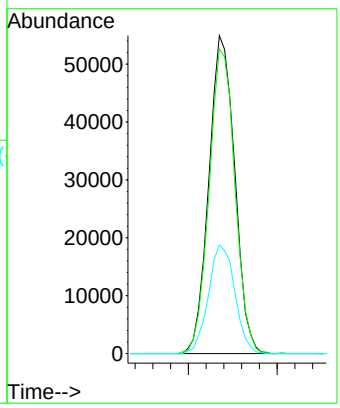
Reviewed By :John Carlone 10/01/2024
Supervised By :Mahesh Dadoda 10/01/2024



#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.: P4438 SAS No.: P4438 SDG No.: P4438

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 11:38

Lab File ID: VN084428.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	0.602	0.1	-10.81	20
Vinyl Chloride	0.654	0.597		-8.72	20
Bromomethane	0.431	0.370		-14.15	20
Chloroethane	0.468	0.401		-14.32	20
Trichlorofluoromethane	1.019	1.044		2.45	20
1,1,2-Trichlorotrifluoroethane	0.584	0.603		3.25	20
1,1-Dichloroethene	0.563	0.566		0.53	20
Acetone	0.318	0.317		-0.31	20
Carbon Disulfide	1.782	1.424		-20.09	20
Methyl tert-butyl Ether	1.900	2.031		6.89	20
Methylene Chloride	0.647	0.671		3.71	20
trans-1,2-Dichloroethene	0.590	0.593		0.51	20
1,1-Dichloroethane	1.131	1.189	0.1	5.13	20
2-Butanone	0.434	0.467		7.6	20
Carbon Tetrachloride	0.525	0.569		8.38	20
cis-1,2-Dichloroethene	0.713	0.752		5.47	20
Chloroform	1.175	1.280		8.94	20
1,1,1-Trichloroethane	1.055	1.115		5.69	20
Methylcyclohexane	0.533	0.522		-2.06	20
Benzene	1.492	1.635		9.58	20
1,2-Dichloroethane	0.506	0.549		8.5	20
Trichloroethene	0.348	0.375		7.76	20
1,2-Dichloropropane	0.353	0.401		13.6	20
Bromodichloromethane	0.529	0.606		14.56	20
4-Methyl-2-Pentanone	0.468	0.576		23.08	20
Toluene	0.910	1.023		12.42	20
t-1,3-Dichloropropene	0.539	0.601		11.5	20
cis-1,3-Dichloropropene	0.580	0.651		12.24	20
1,1,2-Trichloroethane	0.326	0.397		21.78	20
2-Hexanone	0.349	0.426		22.06	20
Dibromochloromethane	0.385	0.466		21.04	20
Tetrachloroethene	0.348	0.366		5.17	20
Chlorobenzene	1.109	1.181	0.3	6.49	20
Ethyl Benzene	1.961	2.070		5.56	20
m/p-Xylenes	0.725	0.807		11.31	20
o-Xylene	0.686	0.765		11.52	20
Styrene	1.162	1.354		16.52	20
Bromoform	0.281	0.332	0.1	18.15	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.: P4438 SAS No.: P4438 SDG No.: P4438

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 11:38

Lab File ID: VN084428.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	3.797		-0.47	20
1,1,2,2-Tetrachloroethane	1.147	1.198	0.3	4.45	20
1,3-Dichlorobenzene	1.727	1.778		2.95	20
1,4-Dichlorobenzene	1.744	1.755		0.63	20
1,2-Dichlorobenzene	1.693	1.727		2.01	20
1,2-Dichloroethane-d4	0.741	0.791		6.75	20
Dibromofluoromethane	0.330	0.387		17.27	20
Toluene-d8	1.213	1.431		17.97	20
4-Bromofluorobenzene	0.442	0.522		18.1	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\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 22 01:29:31 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 :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124506	53.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.740%			
35) Dibromofluoromethane	8.165	113	101751	58.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.460%			
50) Toluene-d8	10.565	98	376165	59.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 118.020%#			
62) 4-Bromofluorobenzene	12.847	95	137246	59.102	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	83308	44.759	ug/l	98
3) Chloromethane	2.359	50	94679	44.550	ug/l	98
4) Vinyl Chloride	2.512	62	93996	45.660	ug/l	97
5) Bromomethane	2.936	94	58206	42.866	ug/l	93
6) Chloroethane	3.106	64	63113	42.808	ug/l	94
7) Trichlorofluoromethane	3.489	101	164207	51.224	ug/l	99
8) Diethyl Ether	3.959	74	59329	49.902	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	94908	51.670	ug/l	99
10) Methyl Iodide	4.583	142	116312	49.171	ug/l	96
11) Tert butyl alcohol	5.530	59	94486	245.606	ug/l	100
12) 1,1-Dichloroethene	4.342	96	89116	50.300	ug/l	98
13) Acrolein	4.177	56	85169	192.843	ug/l	100
14) Allyl chloride	5.018	41	134288	43.643	ug/l	98
15) Acrylonitrile	5.718	53	275307	283.386	ug/l	99
16) Acetone	4.430	43	249463	248.905	ug/l	100
17) Carbon Disulfide	4.706	76	224021	39.937	ug/l	99
18) Methyl Acetate	5.024	43	143956	65.900	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	319663	53.457	ug/l	98
20) Methylene Chloride	5.271	84	105509	51.787	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	93324	50.278	ug/l	94
22) Diisopropyl ether	6.671	45	336994	52.949	ug/l	99
23) Vinyl Acetate	6.606	43	1190800	252.258	ug/l	100
24) 1,1-Dichloroethane	6.571	63	187107	52.570	ug/l	98
25) 2-Butanone	7.483	43	367222	269.013	ug/l	99
26) 2,2-Dichloropropane	7.488	77	159617	49.738	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	118267	52.728	ug/l	96
28) Bromochloromethane	7.812	49	83905	52.836	ug/l	93
29) Tetrahydrofuran	7.841	42	238619	283.258	ug/l	98
30) Chloroform	7.965	83	201405	54.476	ug/l	98
31) Cyclohexane	8.259	56	150876	43.659	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	175417	52.830	ug/l	98
36) 1,1-Dichloropropene	8.371	75	130914	52.021	ug/l	98
37) Ethyl Acetate	7.559	43	137280	53.172	ug/l	98
38) Carbon Tetrachloride	8.359	117	149628	54.202	ug/l	97
39) Methylcyclohexane	9.600	83	137117	48.955	ug/l	97
40) Benzene	8.606	78	429647	54.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 22 01:29:31 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 :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	79086	56.424	ug/l		96
42) 1,2-Dichloroethane	8.671	62	144178	54.240	ug/l		99
43) Isopropyl Acetate	8.688	43	233616	46.197	ug/l		98
44) Trichloroethene	9.353	130	98494	53.784	ug/l		100
45) 1,2-Dichloropropane	9.618	63	105490	56.873	ug/l		96
46) Dibromomethane	9.706	93	74735	59.706	ug/l		98
47) Bromodichloromethane	9.888	83	159166	57.235	ug/l	#	96
48) Methyl methacrylate	9.682	41	112649	55.960	ug/l		99
49) 1,4-Dioxane	9.694	88	46681	1259.594	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	757152	308.066	ug/l		99
52) Toluene	10.629	92	268859	56.231	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	157928	55.712	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	171021	56.089	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	104404	60.910	ug/l		97
56) Ethyl methacrylate	10.871	69	164383	58.283	ug/l		96
57) 1,3-Dichloropropane	11.165	76	176631	57.670	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	397738	303.996	ug/l		97
59) 2-Hexanone	11.194	43	560104	304.908	ug/l		97
60) Dibromochloromethane	11.359	129	122440	60.458	ug/l		99
61) 1,2-Dibromoethane	11.471	107	102008	57.274	ug/l		100
64) Tetrachloroethene	11.100	164	89495	52.523	ug/l		97
65) Chlorobenzene	11.888	112	289014	53.283	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	103631	55.468	ug/l		98
67) Ethyl Benzene	11.965	91	506469	52.799	ug/l		99
68) m/p-Xylenes	12.071	106	394932	111.301	ug/l		99
69) o-Xylene	12.394	106	187215	55.767	ug/l		100
70) Styrene	12.412	104	331204	58.246	ug/l		98
71) Bromoform	12.576	173	81253	59.072	ug/l	#	100
73) Isopropylbenzene	12.694	105	484656	49.760	ug/l		100
74) N-amyl acetate	12.494	43	204351	46.332	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	152956	52.226	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	127281m	48.846	ug/l		
77) Bromobenzene	12.976	156	118952	50.631	ug/l		96
78) n-propylbenzene	13.035	91	576662	51.101	ug/l		98
79) 2-Chlorotoluene	13.123	91	354683	49.256	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	416797	52.460	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58513	53.835	ug/l		90
82) 4-Chlorotoluene	13.218	91	364438	50.275	ug/l		99
83) tert-Butylbenzene	13.435	119	352099	49.862	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	421969	52.722	ug/l		99
85) sec-Butylbenzene	13.617	105	492135	52.226	ug/l		99
86) p-Isopropyltoluene	13.729	119	412249	52.906	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	226954	51.493	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	223977	50.322	ug/l		99
89) n-Butylbenzene	14.053	91	349709	49.495	ug/l		99
90) Hexachloroethane	14.329	117	76242	48.204	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	220370	50.991	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30011	49.657	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109356	51.373	ug/l		99
94) Hexachlorobutadiene	15.500	225	50783	47.838	ug/l		96
95) Naphthalene	15.641	128	361412	51.214	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	110846	52.021	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 22 01:29:31 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 :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

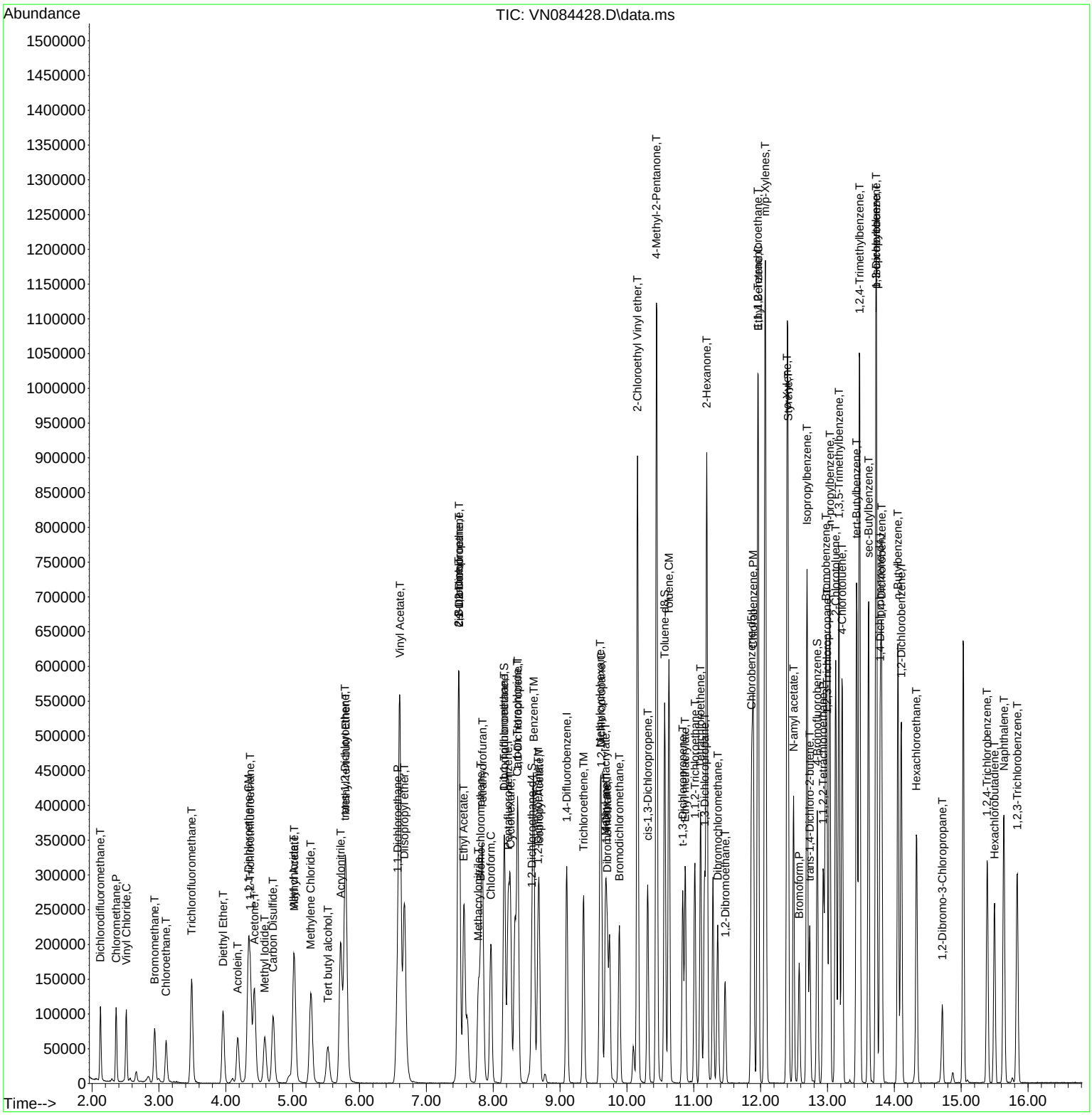
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

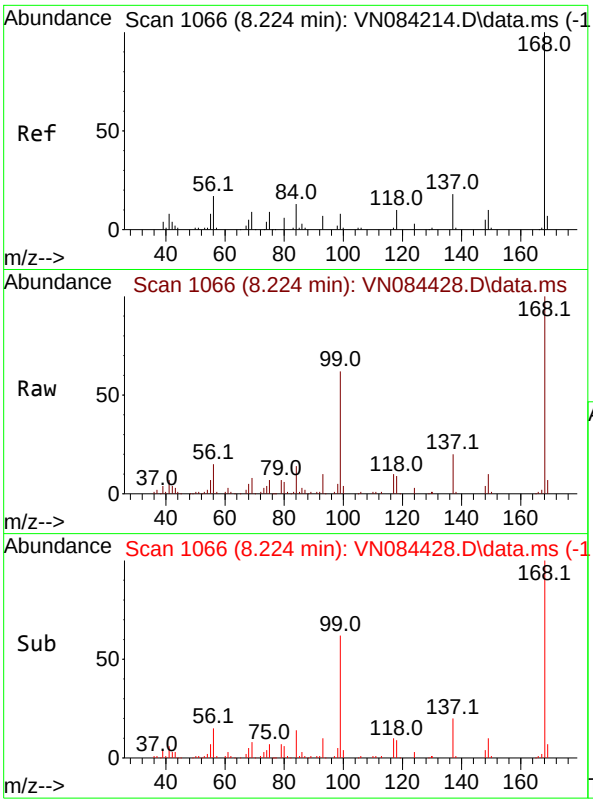
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Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
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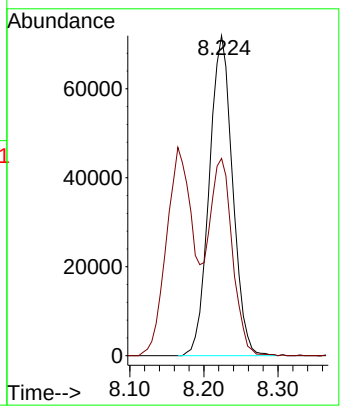




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:168 Resp: 15735

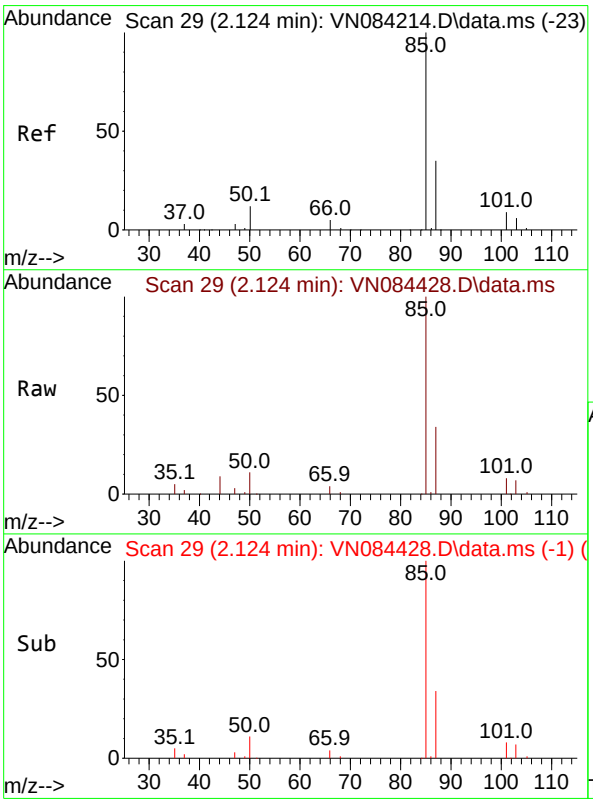
Ion	Ratio	Lower	Upper
168	100		
99	61.7	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

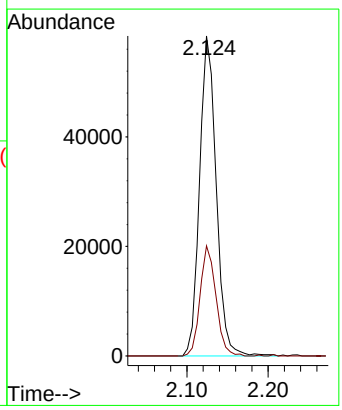
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

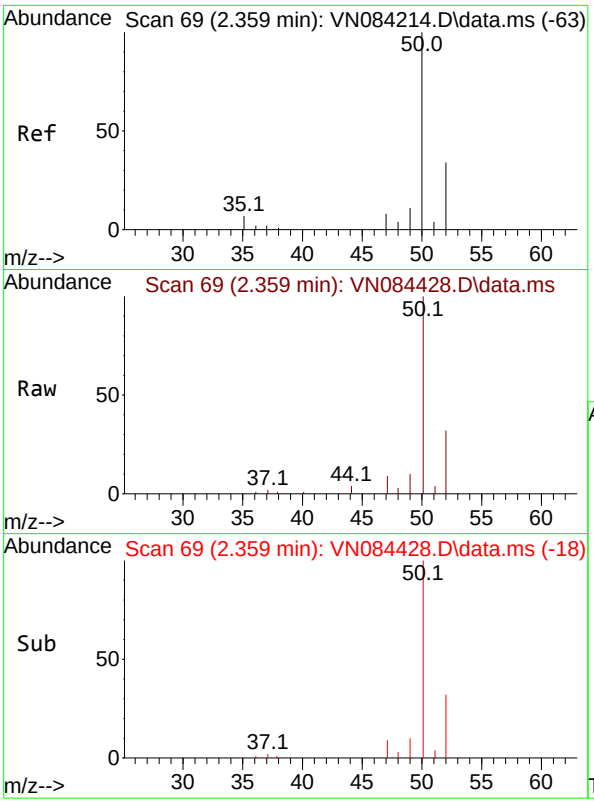


#2
Dichlorodifluoromethane
Concen: 44.759 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 85 Resp: 83308

Ion	Ratio	Lower	Upper
85	100		
87	34.4	17.6	52.9

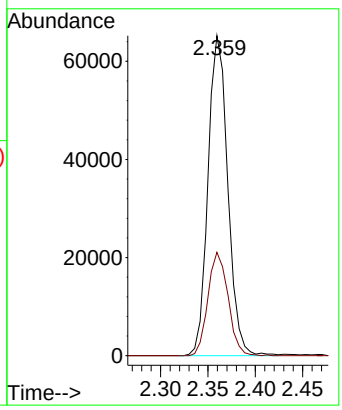




#3
Chloromethane
Concen: 44.550 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 50 Resp: 9467

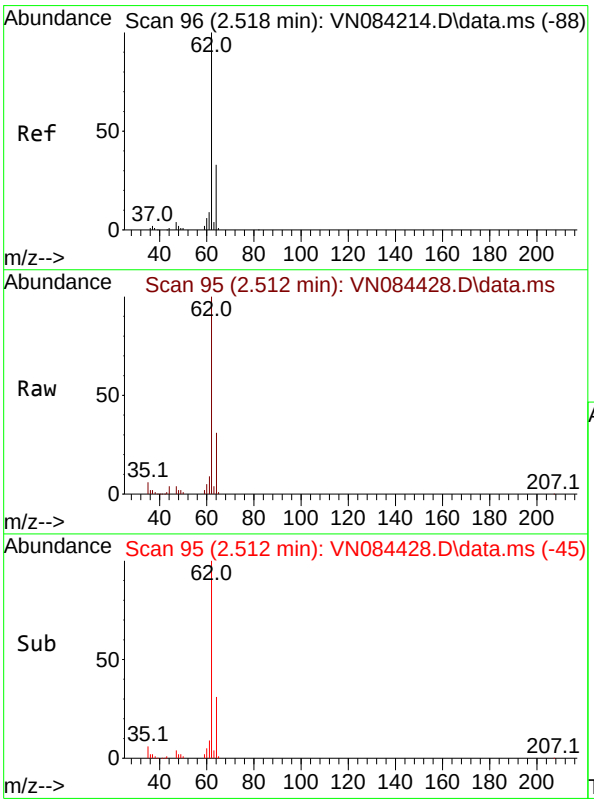
Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

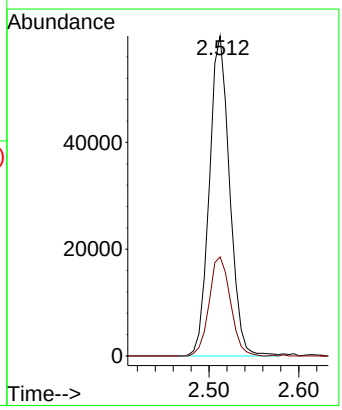
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

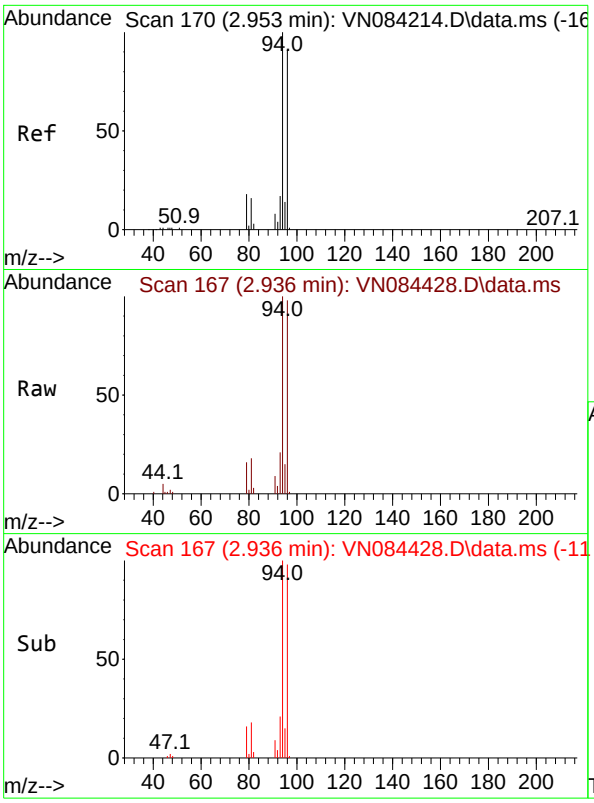


#4
Vinyl Chloride
Concen: 45.660 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 62 Resp: 93996

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4

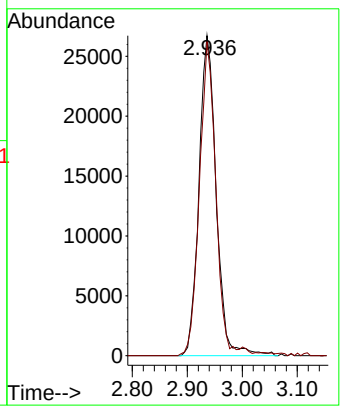




#5
Bromomethane
Concen: 42.866 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 94 Resp: 5820

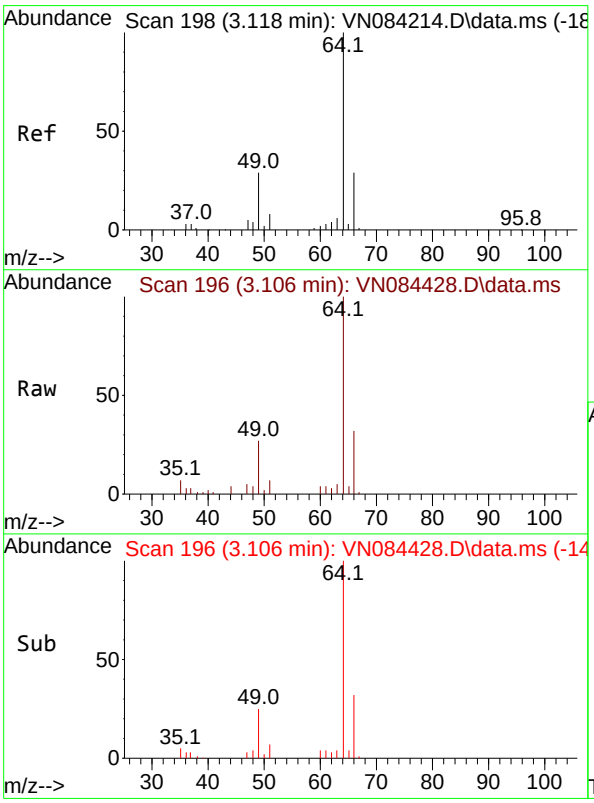
Ion	Ratio	Lower	Upper
94	100		
96	98.2	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

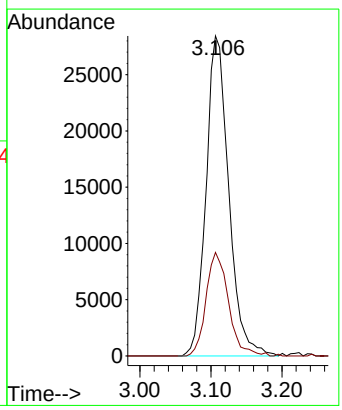
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

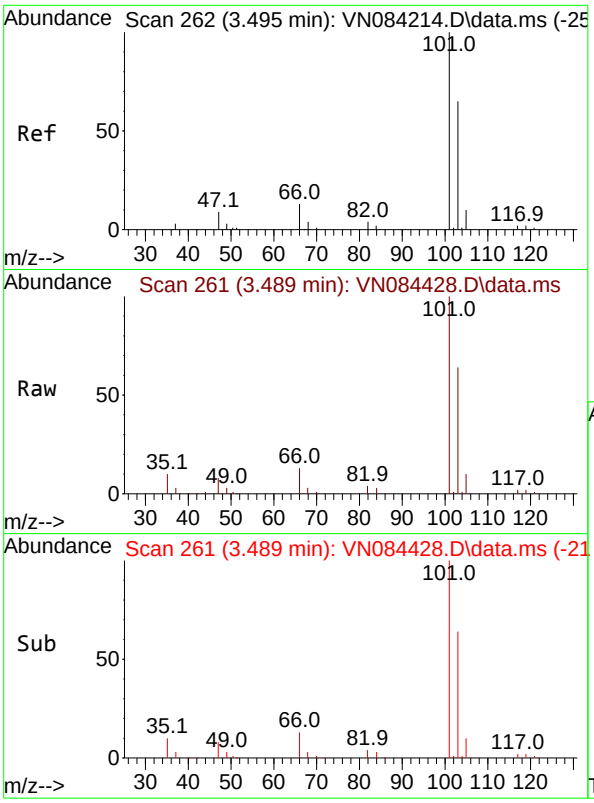


#6
Chloroethane
Concen: 42.808 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 64 Resp: 63113

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.5	35.3

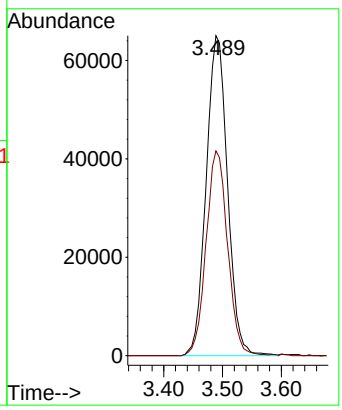




#7
Trichlorofluoromethane
Concen: 51.224 ug/l
RT: 3.489 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:101 Resp: 16420

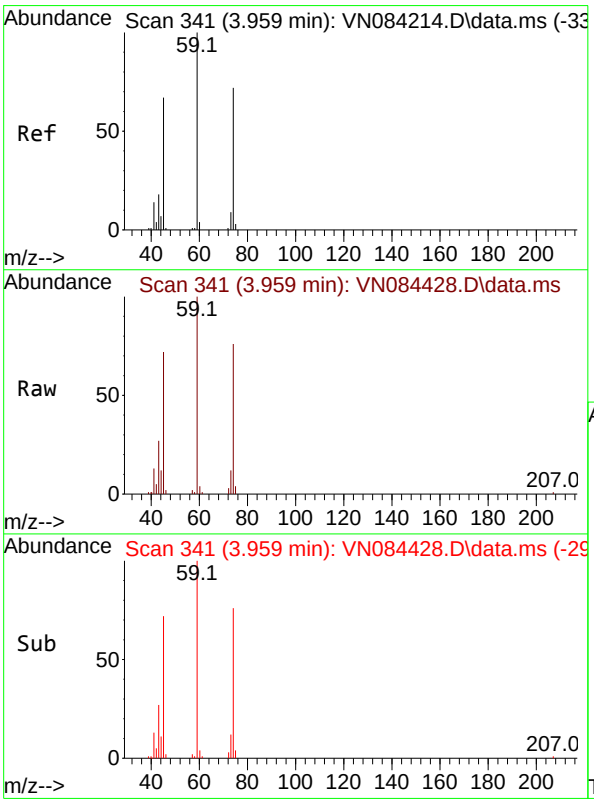
Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

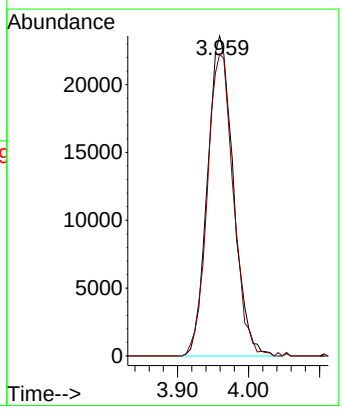
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

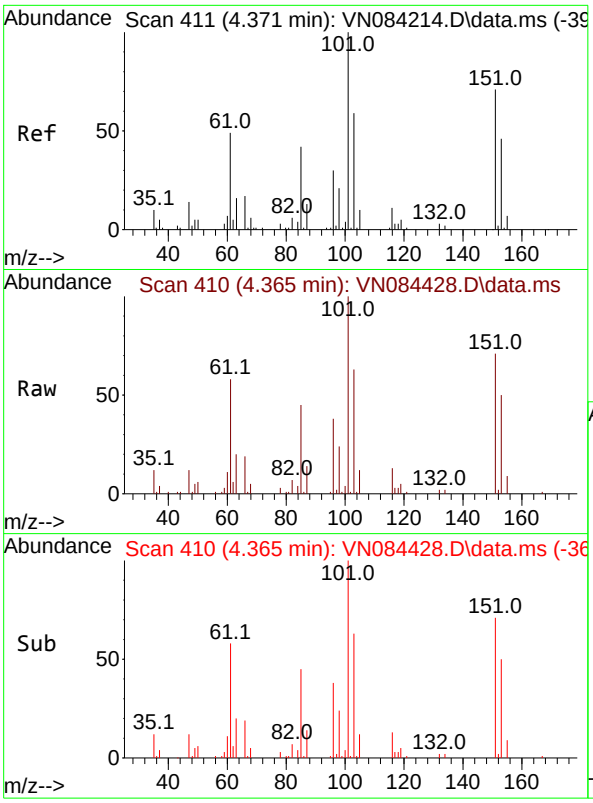


#8
Diethyl Ether
Concen: 49.902 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 74 Resp: 59329

Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.7	143.1

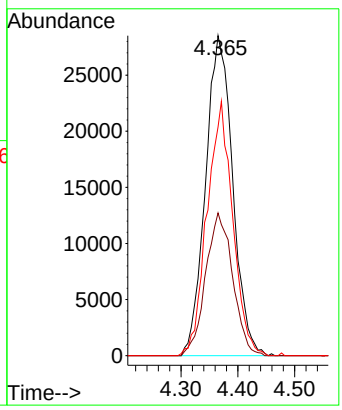




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.670 ug/l
RT: 4.365 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:101 Resp: 9490

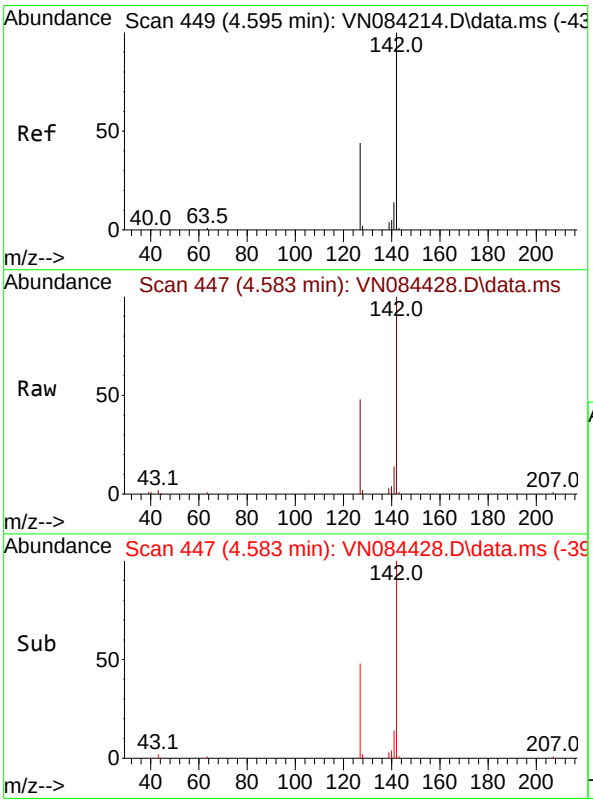
Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

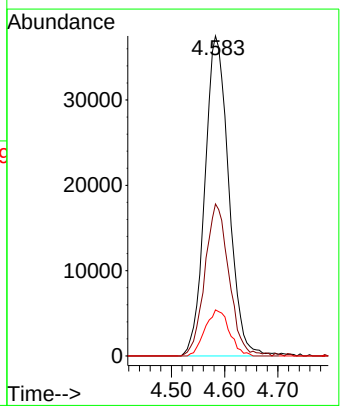
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

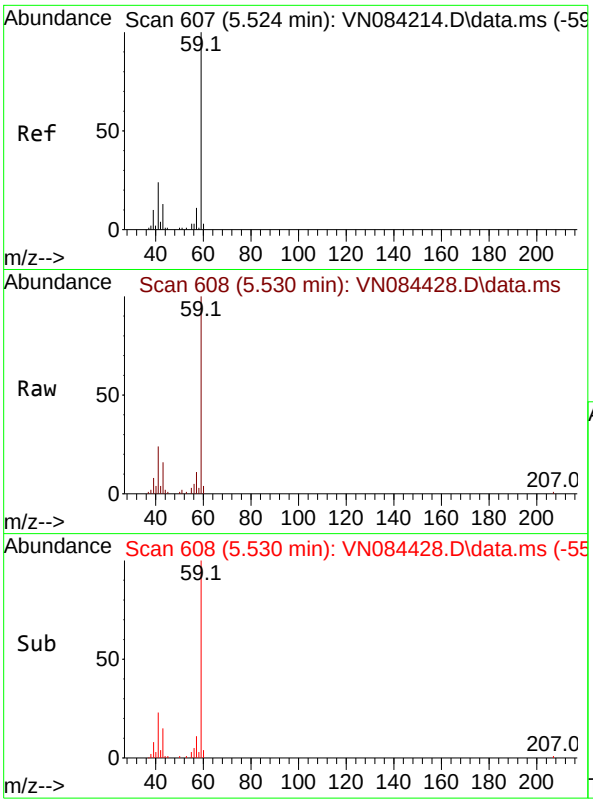


#10
Methyl Iodide
Concen: 49.171 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:142 Resp: 116312

Ion	Ratio	Lower	Upper
142	100		
127	47.5	35.3	52.9
141	14.4	11.0	16.6

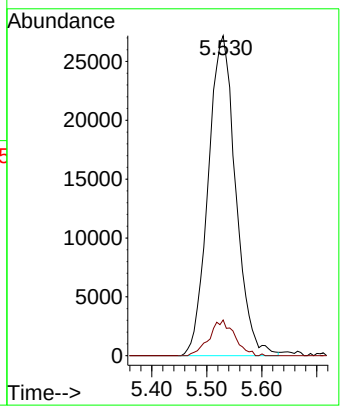




#11
Tert butyl alcohol
Concen: 245.606 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 59 Resp: 9448

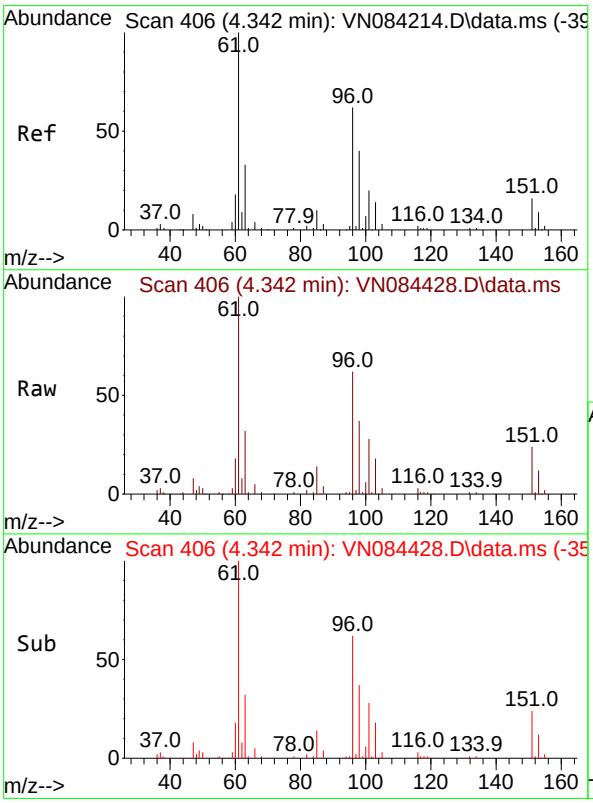
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

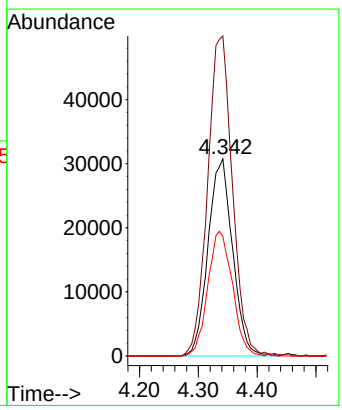
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

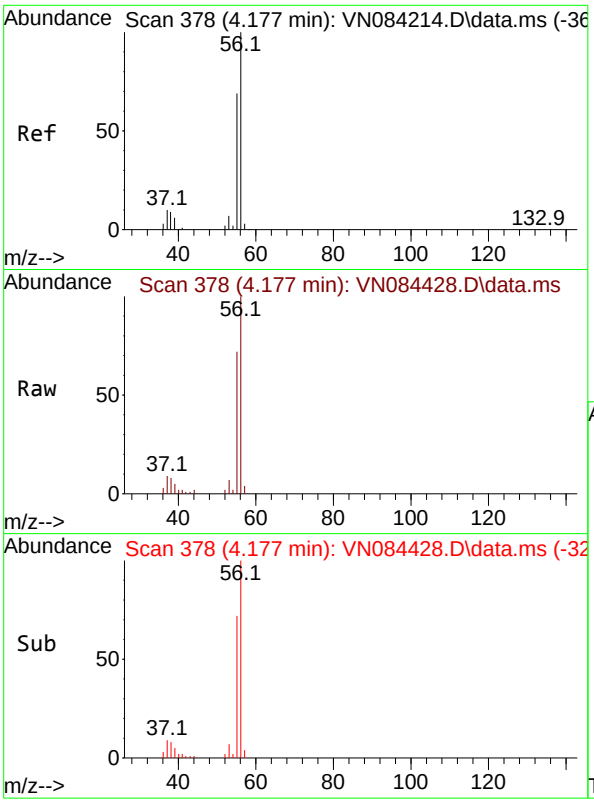


#12
1,1-Dichloroethene
Concen: 50.300 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 96 Resp: 89116

Ion	Ratio	Lower	Upper
96	100		
61	162.3	128.6	192.8
98	60.6	51.7	77.5

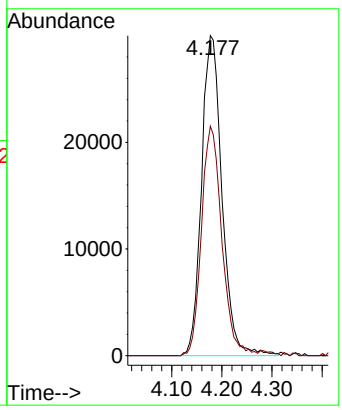




#13
Acrolein
Concen: 192.843 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 56 Resp: 8516

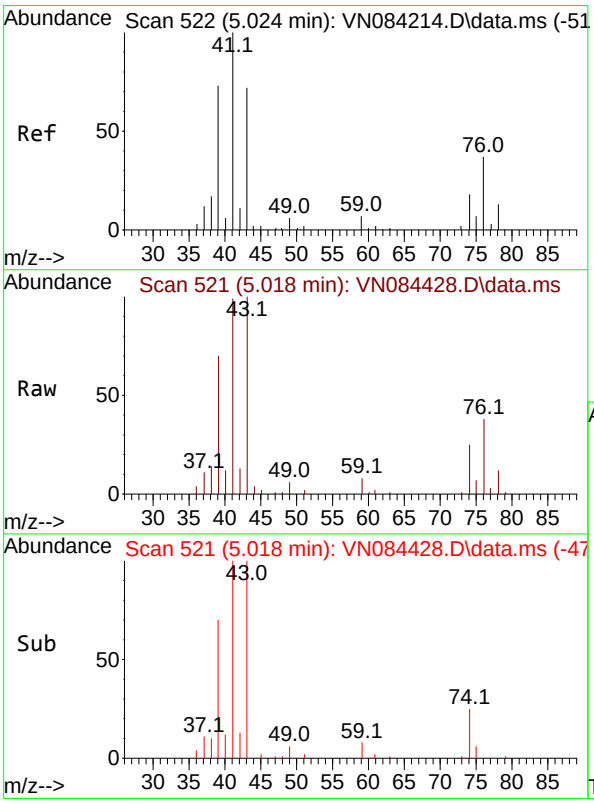
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

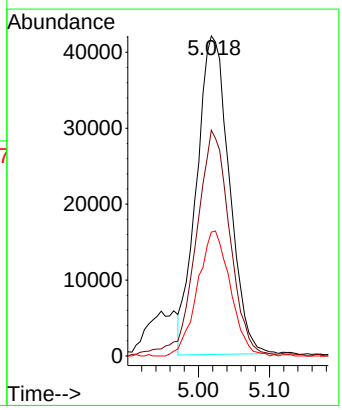
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

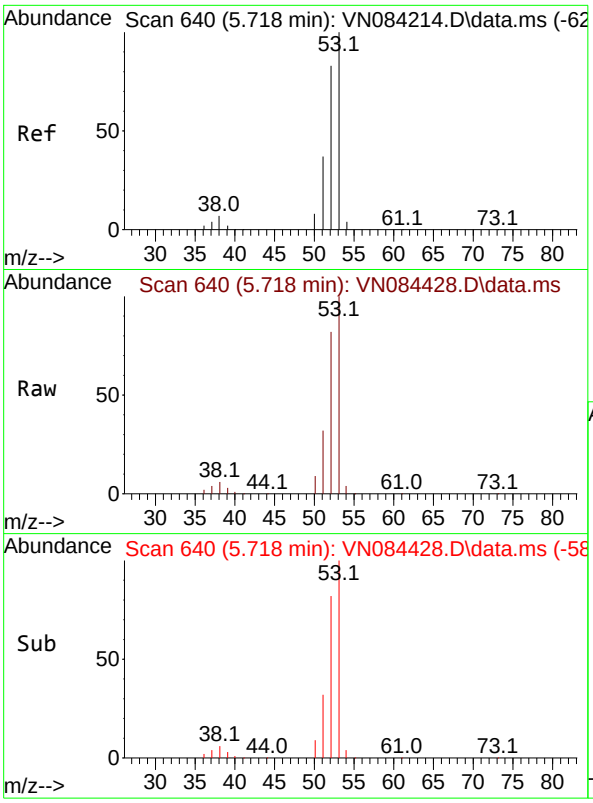


#14
Allyl chloride
Concen: 43.643 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 41 Resp: 134288

Ion	Ratio	Lower	Upper
41	100		
39	73.1	59.0	88.6
76	39.4	29.8	44.6

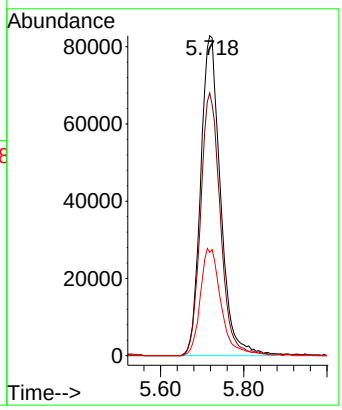




#15
Acrylonitrile
Concen: 283.386 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 53 Resp: 27530

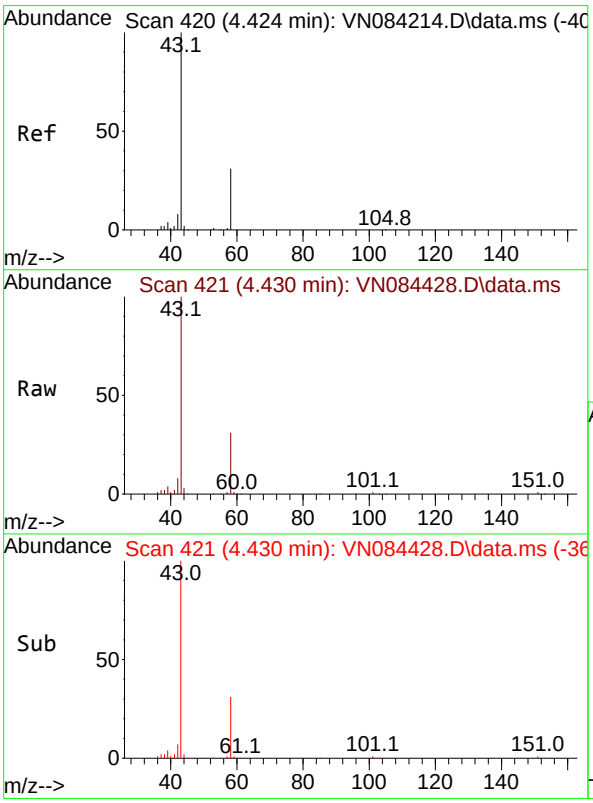
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

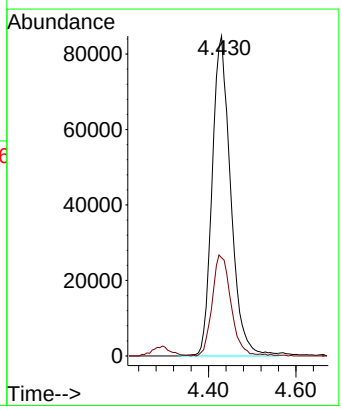
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

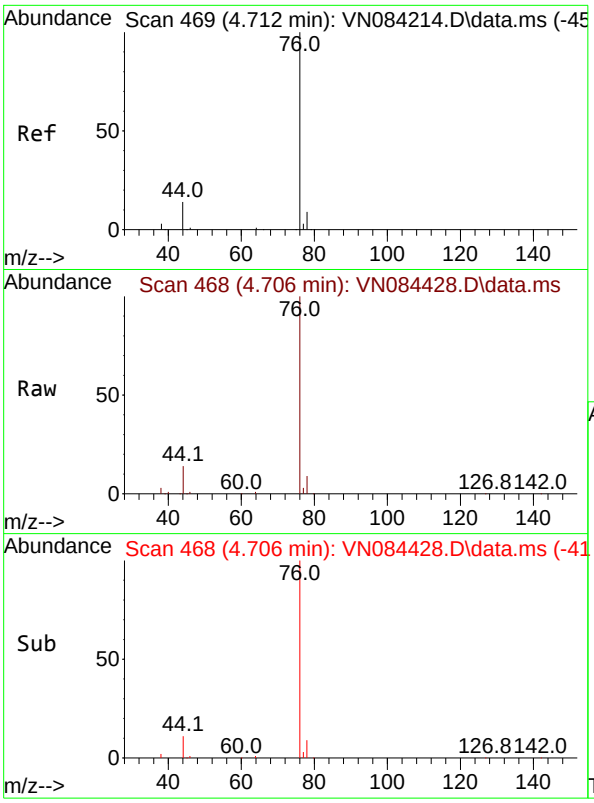


#16
Acetone
Concen: 248.905 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 249463

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.4	36.6

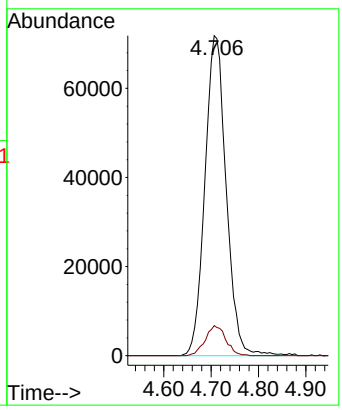




#17
Carbon Disulfide
Concen: 39.937 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 76 Resp: 22402

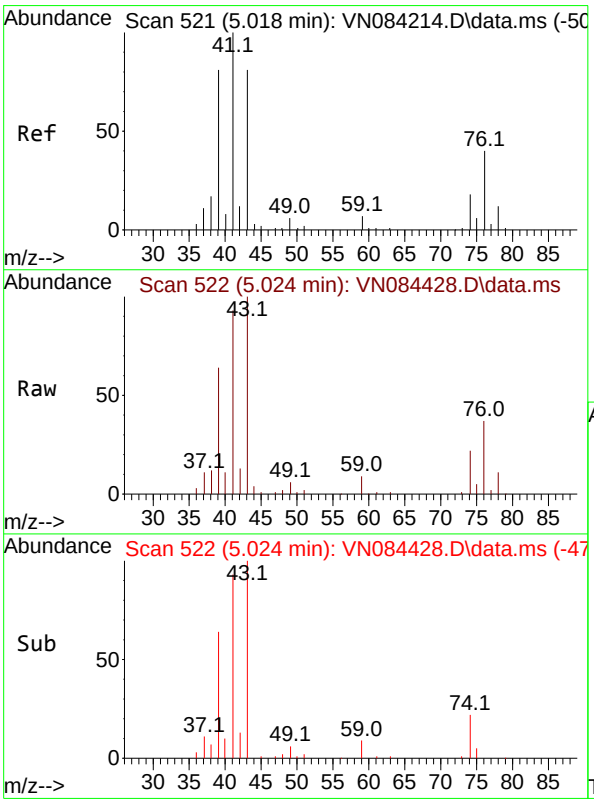
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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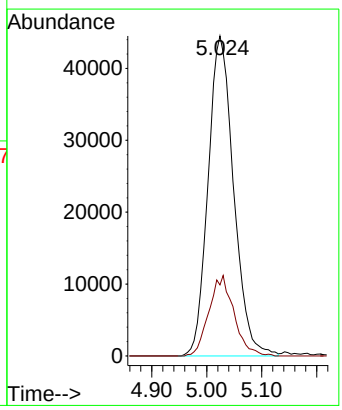
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

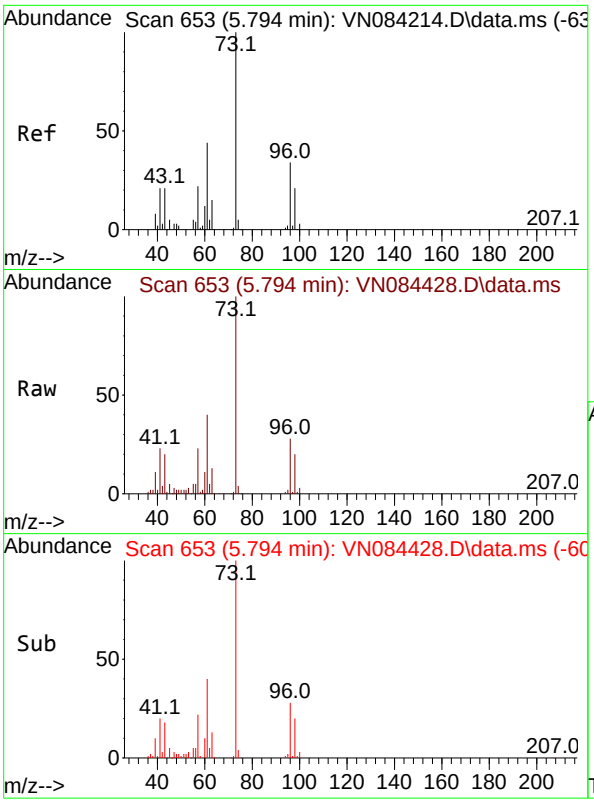


#18
Methyl Acetate
Concen: 65.900 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 143956

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8

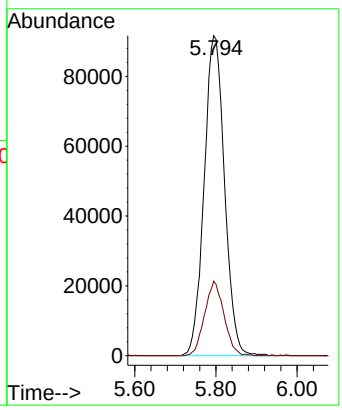




#19
Methyl tert-butyl Ether
Concen: 53.457 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 73 Resp: 31966

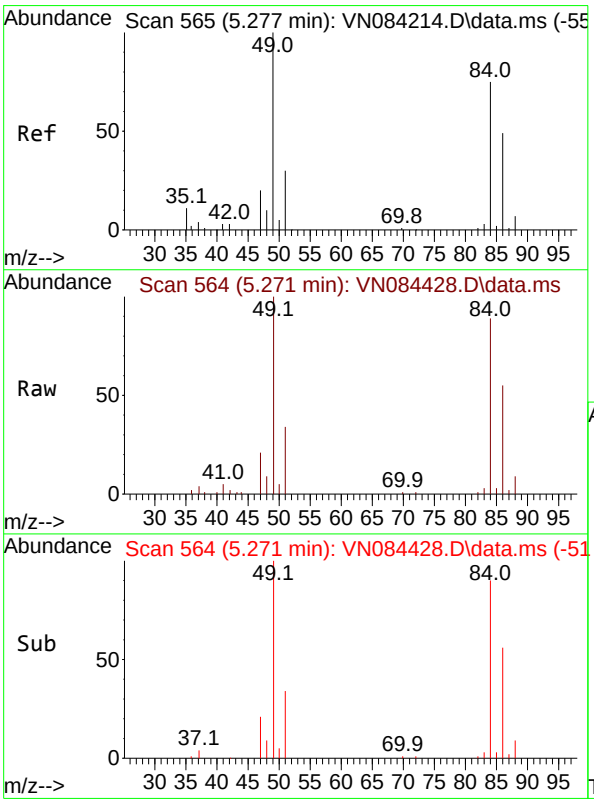
Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

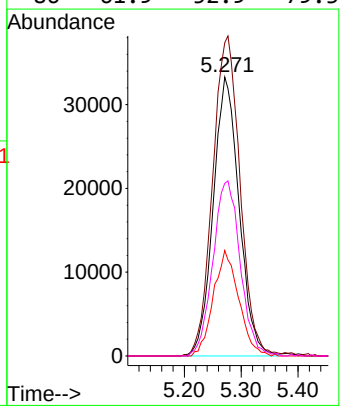
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

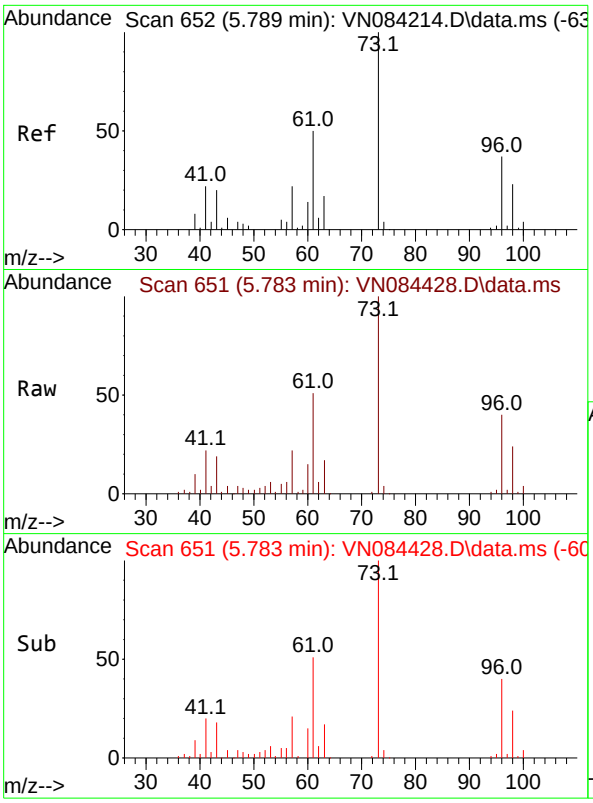


#20
Methylene Chloride
Concen: 51.787 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 84 Resp: 105509

Ion	Ratio	Lower	Upper
84	100		
49	112.4	107.2	160.8
51	37.8	31.8	47.8
86	61.9	52.9	79.3

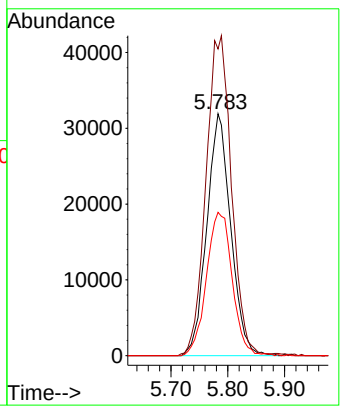




#21
trans-1,2-Dichloroethene
Concen: 50.278 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 96 Resp: 9332

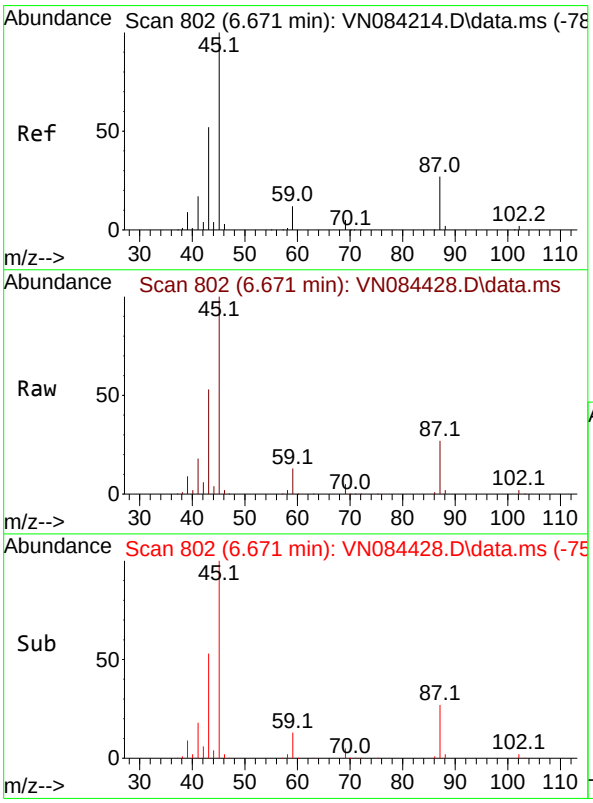
Ion	Ratio	Lower	Upper
96	100		
61	126.8	108.4	162.6
98	59.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

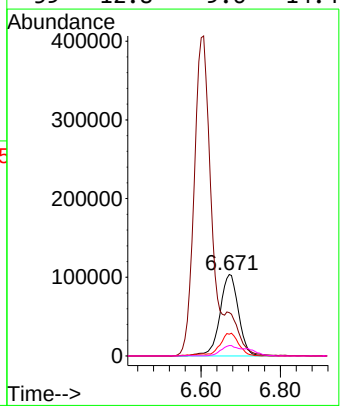
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

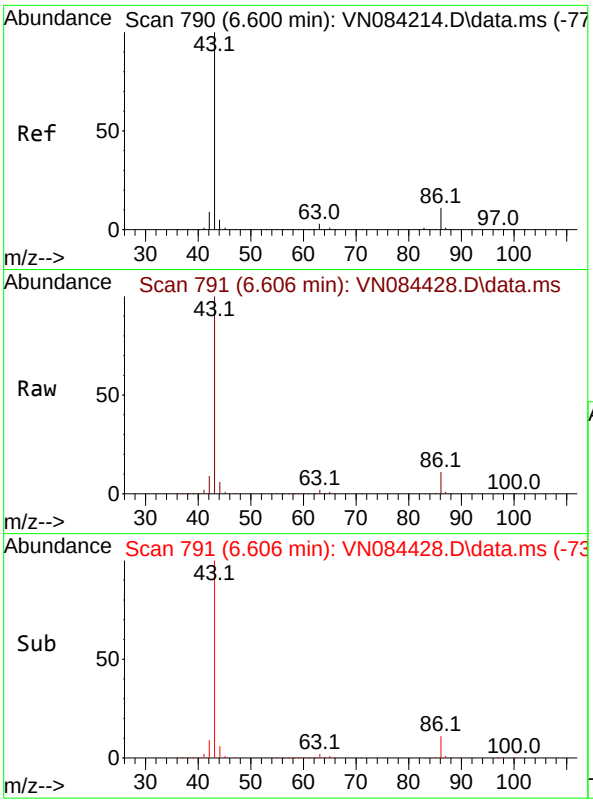


#22
Diisopropyl ether
Concen: 52.949 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 45 Resp: 336994

Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.3	63.5
87	26.8	21.8	32.6
59	12.8	9.6	14.4

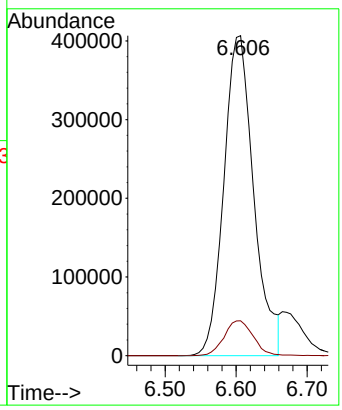




#23
Vinyl Acetate
Concen: 252.258 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 119080

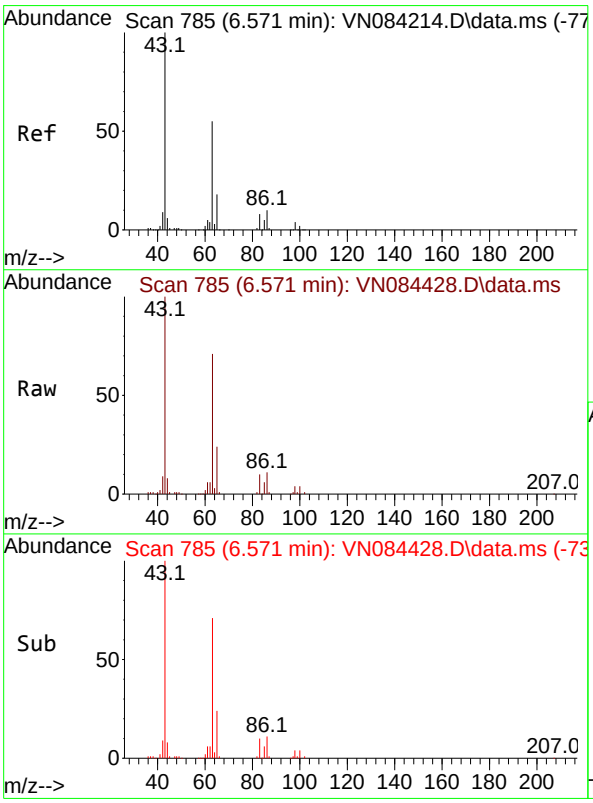
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

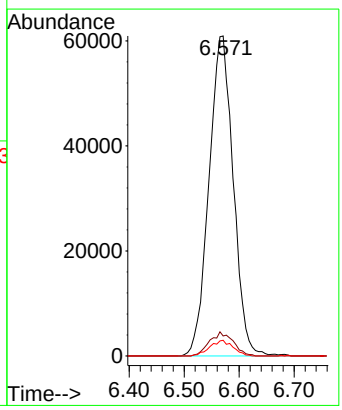
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

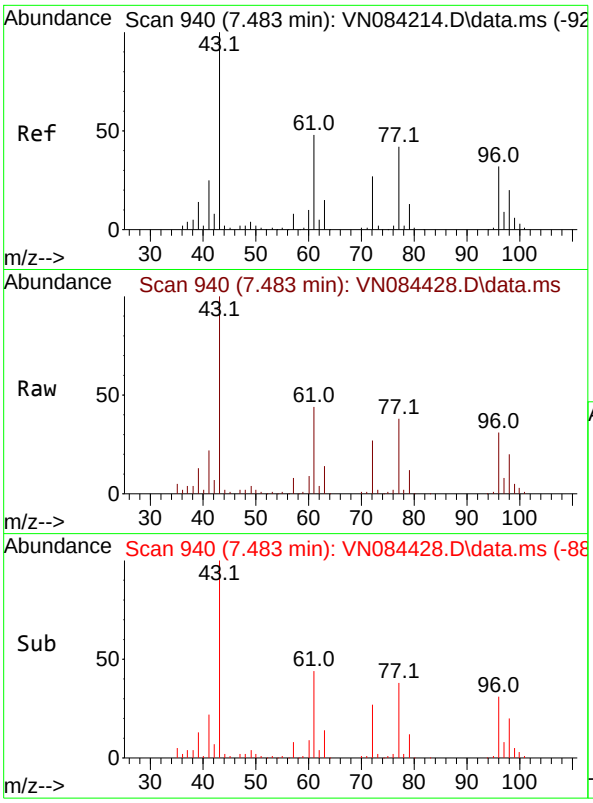


#24
1,1-Dichloroethane
Concen: 52.570 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 63 Resp: 187107

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.2
100	4.9	2.0	5.8

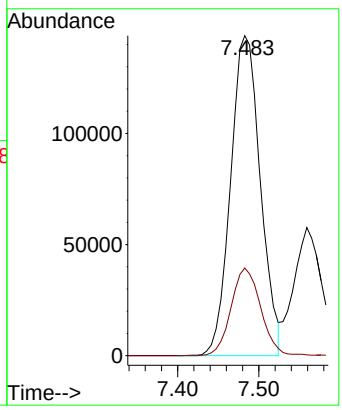




#25
2-Butanone
Concen: 269.013 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 36722

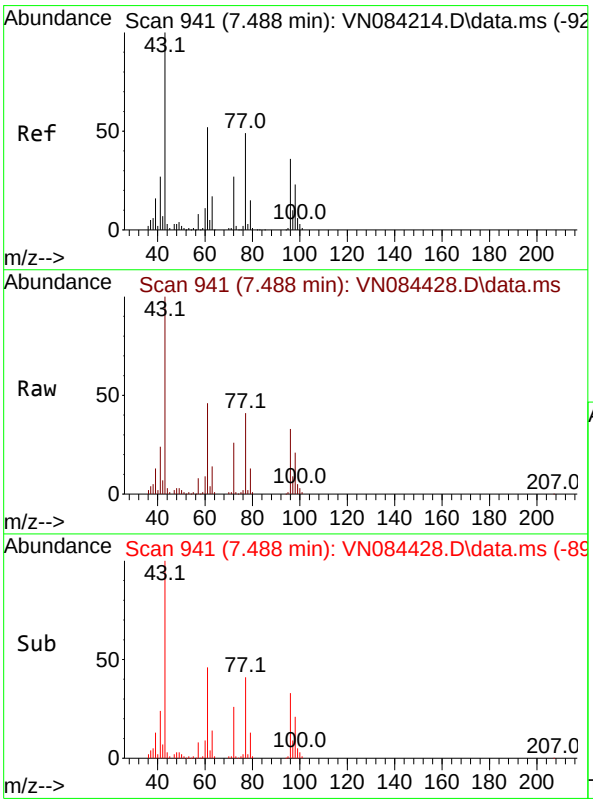
Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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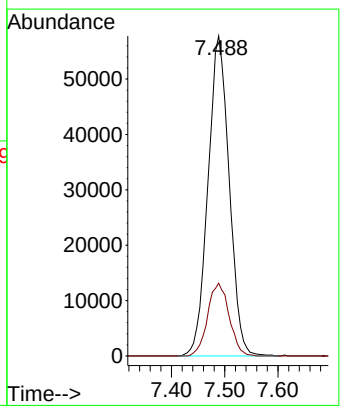
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

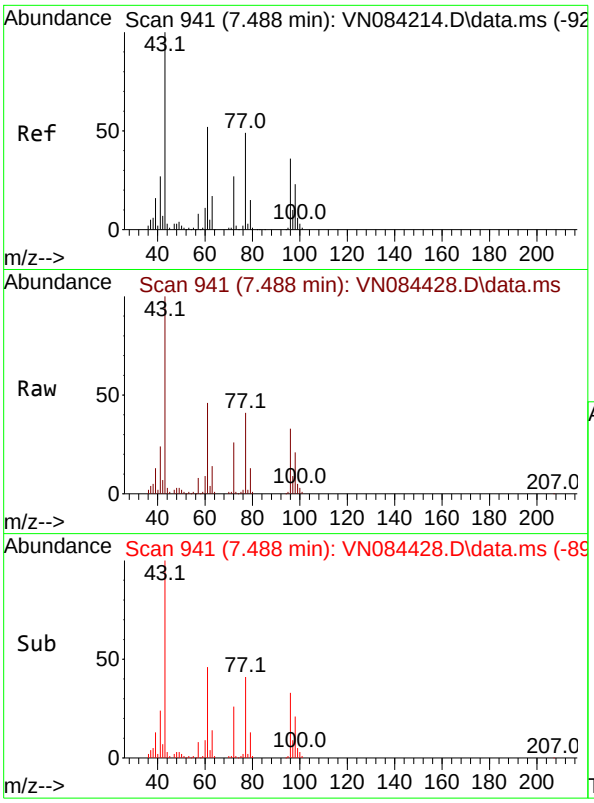


#26
2,2-Dichloropropane
Concen: 49.738 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 77 Resp: 159617

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 52.728 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

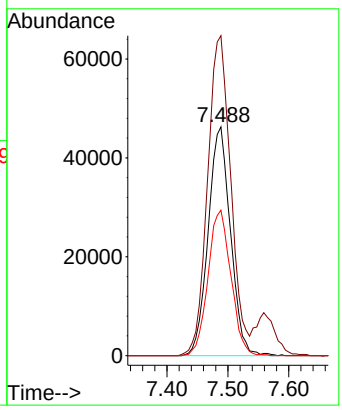
Tgt Ion: 96 Resp: 11826

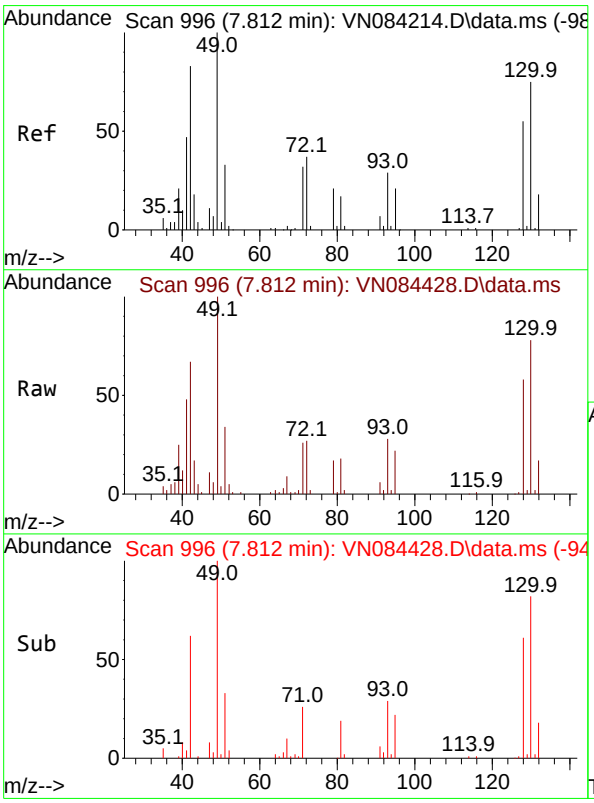
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	301.8
98	65.0	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

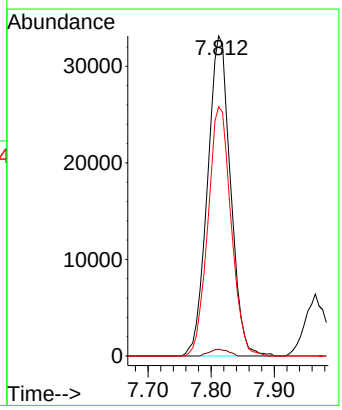


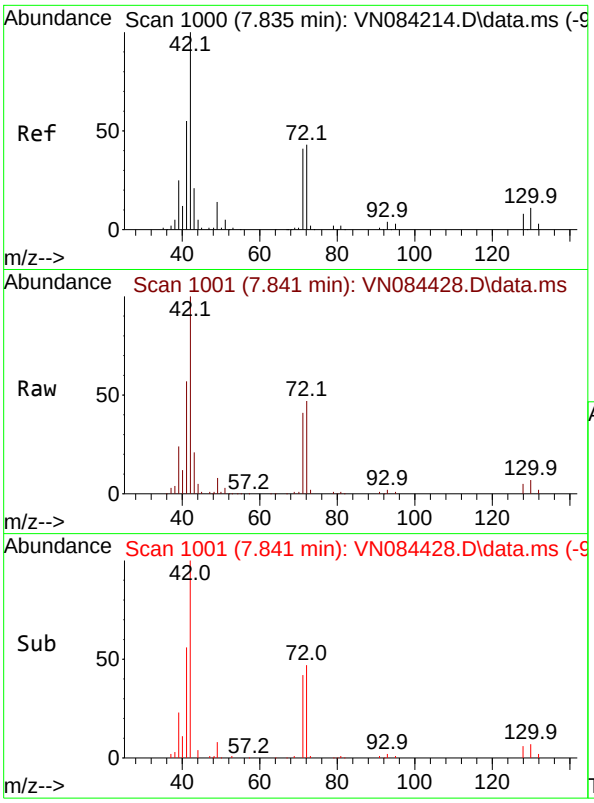


#28
Bromochloromethane
Concen: 52.836 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 49 Resp: 83905

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	78.3	58.0	87.0

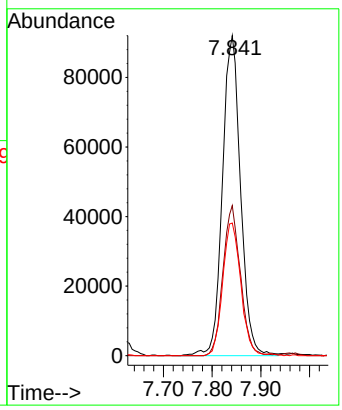




#29
Tetrahydrofuran
Concen: 283.258 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 42 Resp: 23861

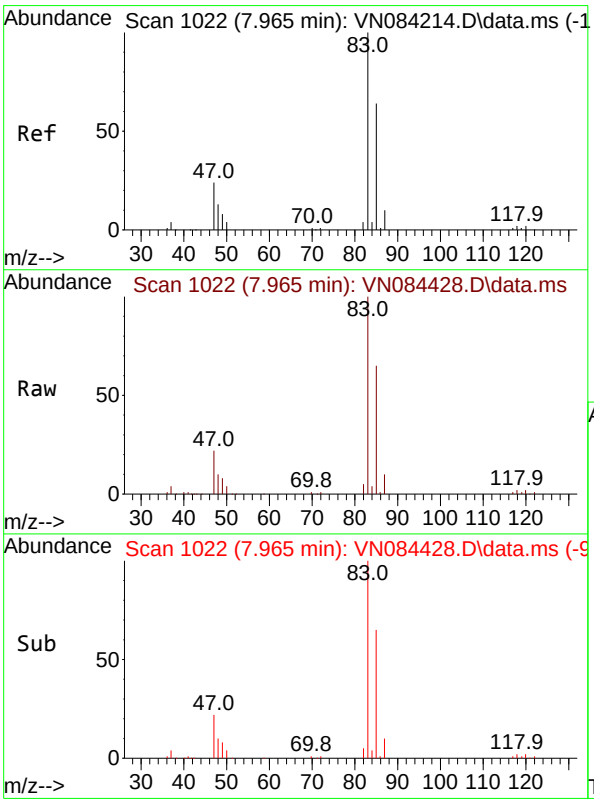
Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.6	51.8
71	41.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

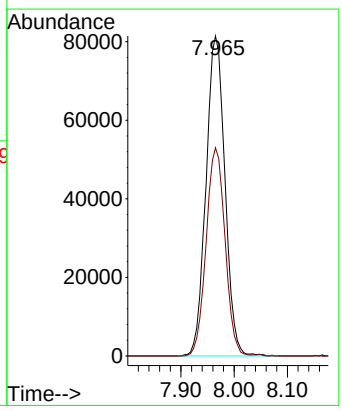
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

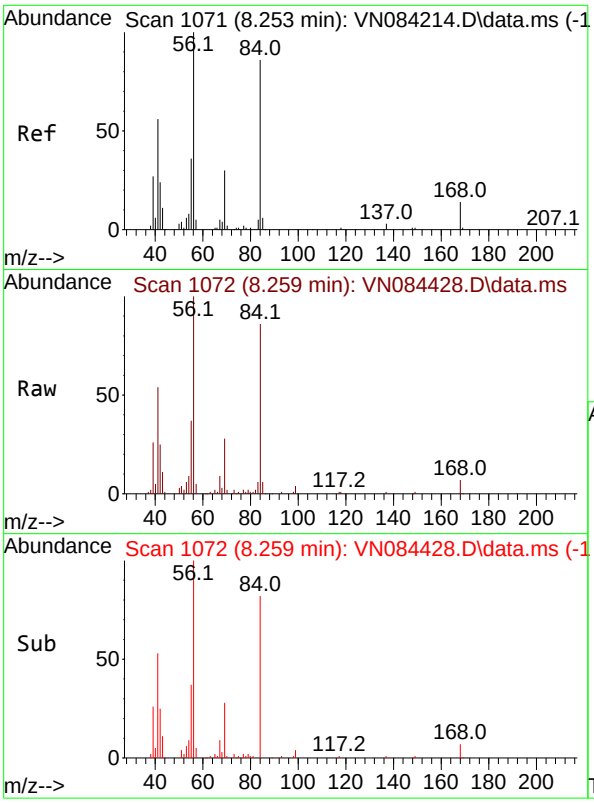


#30
Chloroform
Concen: 54.476 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 83 Resp: 201405

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4

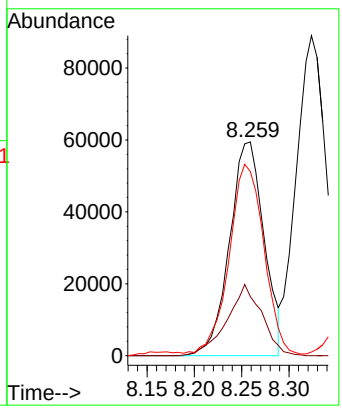




#31
Cyclohexane
Concen: 43.659 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 56 Resp: 15087

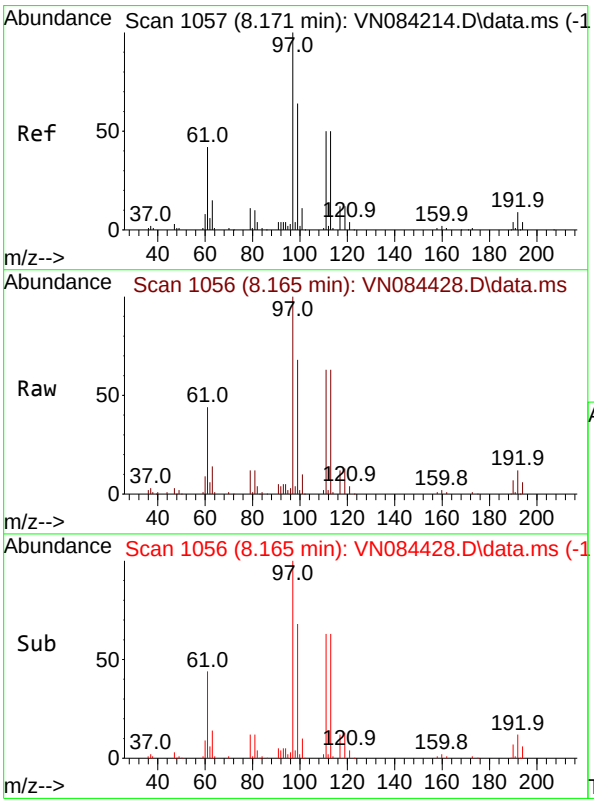
Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.8	35.6
84	84.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

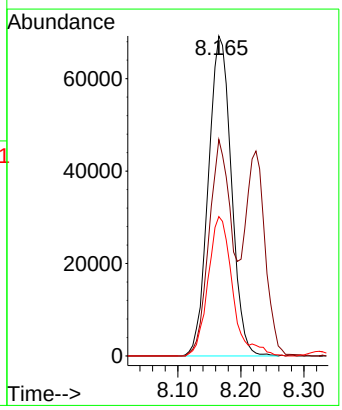
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

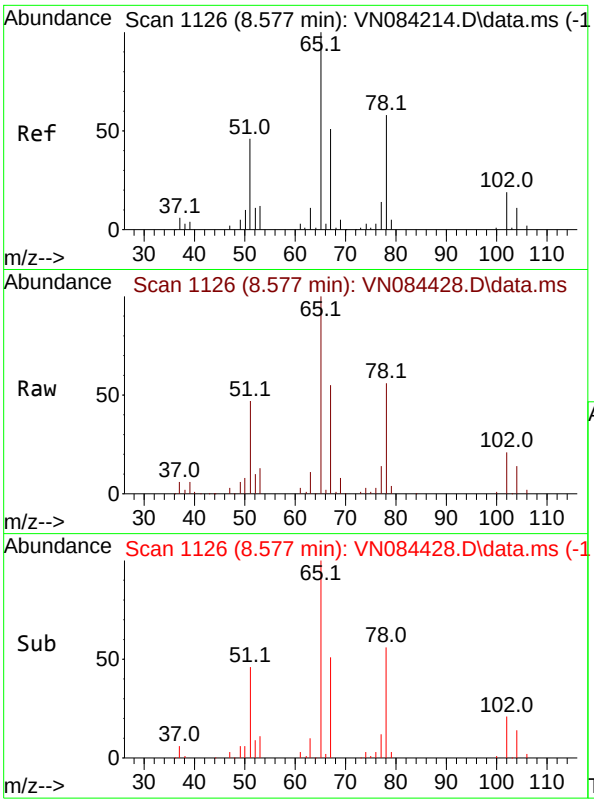


#32
1,1,1-Trichloroethane
Concen: 52.830 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 97 Resp: 175417

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.2	76.8
61	46.3	37.5	56.3

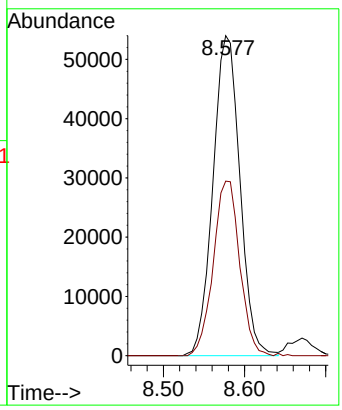




#33
1,2-Dichloroethane-d4
Concen: 53.365 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 65 Resp: 12450

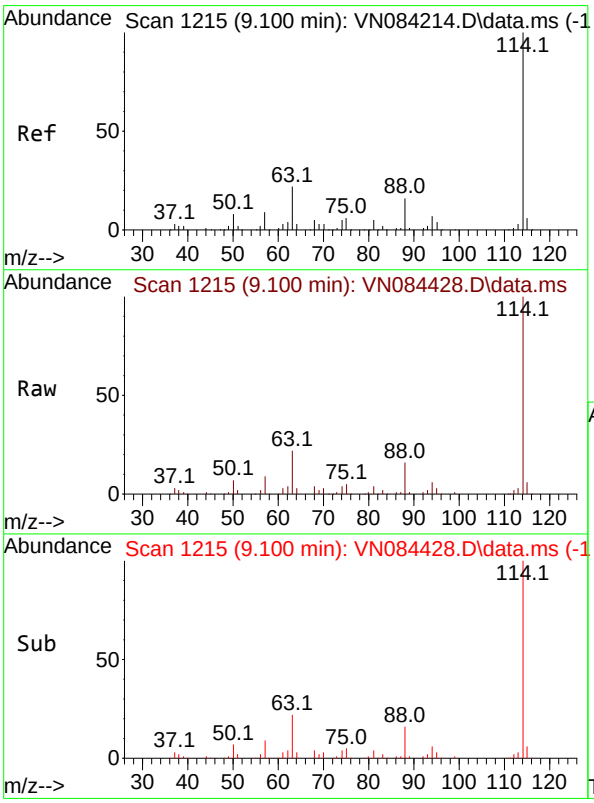
Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

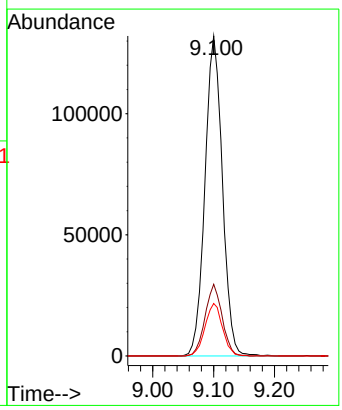
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

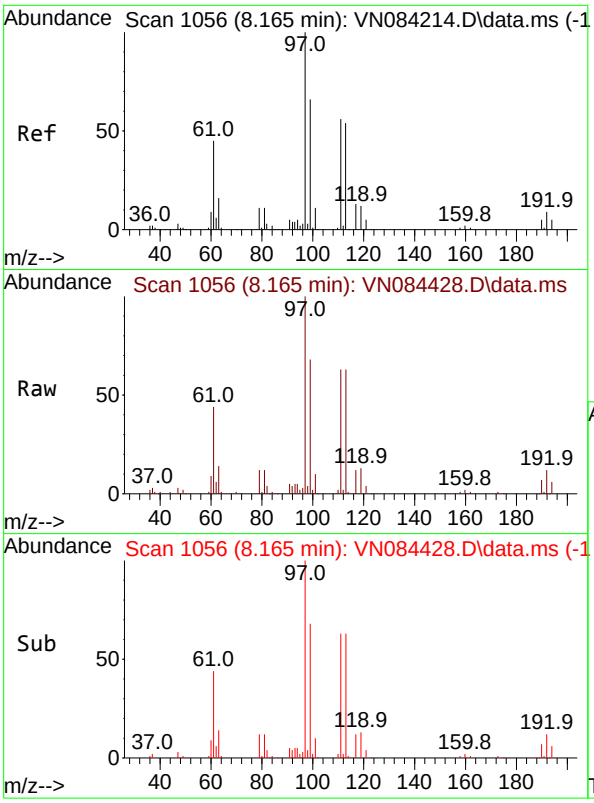


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:114 Resp: 262800

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.8
88	16.4	0.0	31.6

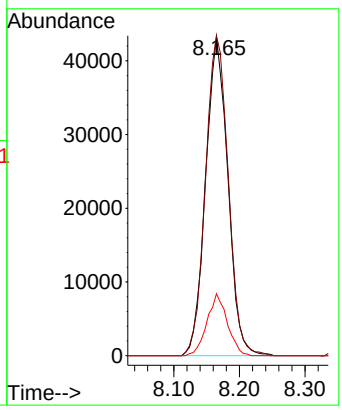




#35
Dibromofluoromethane
Concen: 58.729 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:113 Resp: 10175

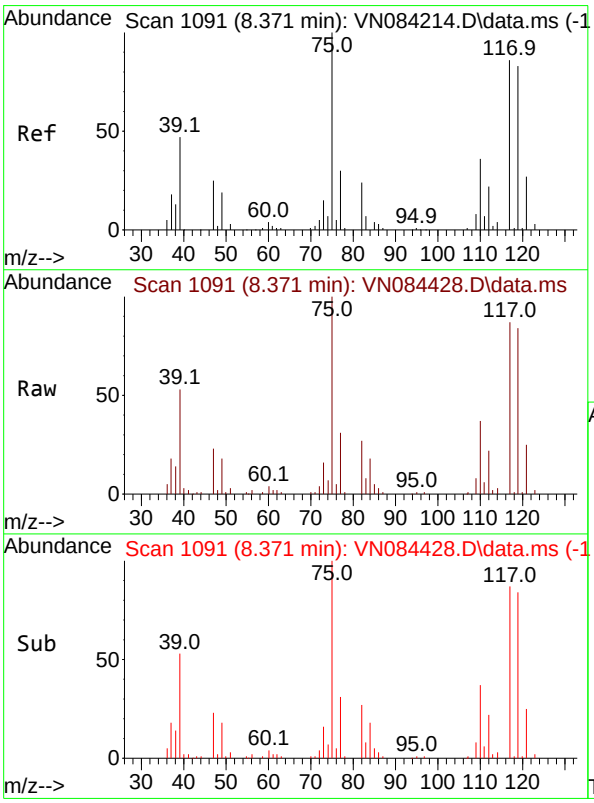
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

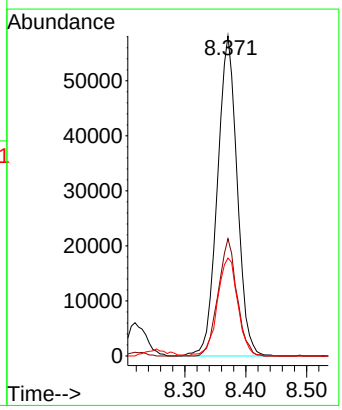
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

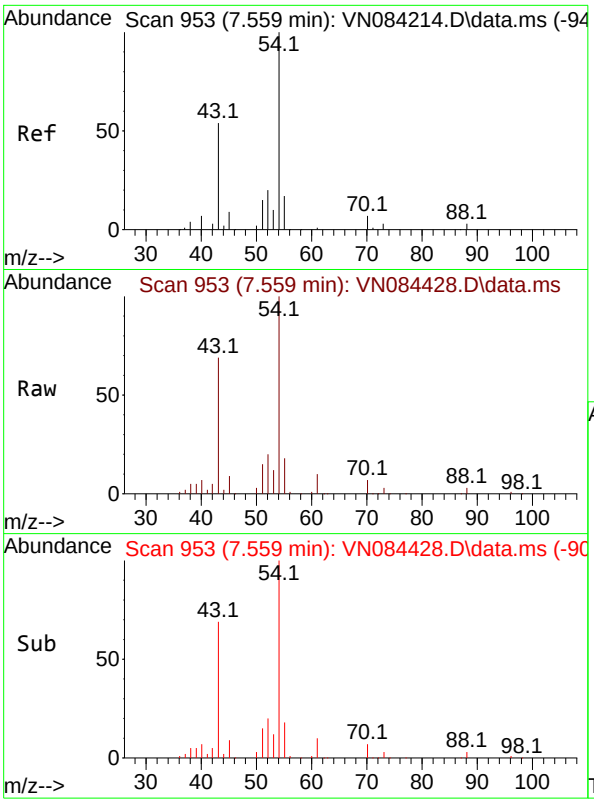


#36
1,1-Dichloropropene
Concen: 52.021 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 130914

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	31.6	24.7	37.1

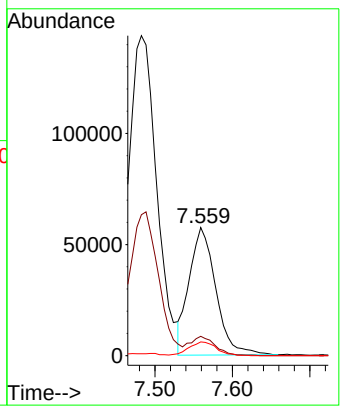




#37
Ethyl Acetate
Concen: 53.172 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 13728

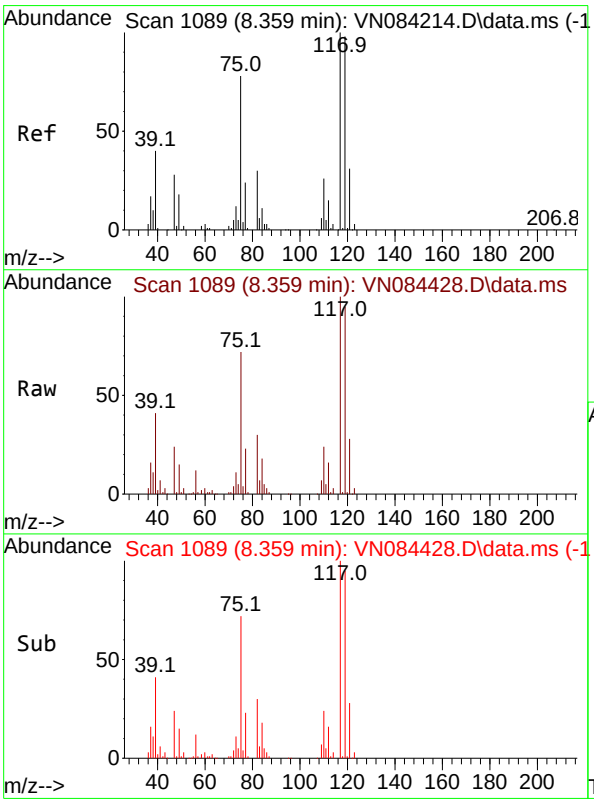
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

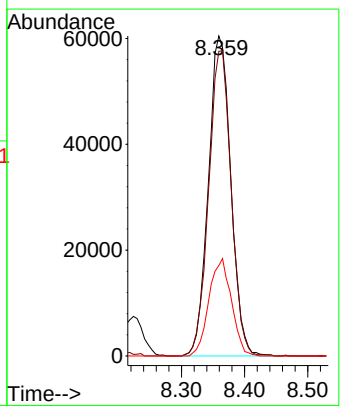
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

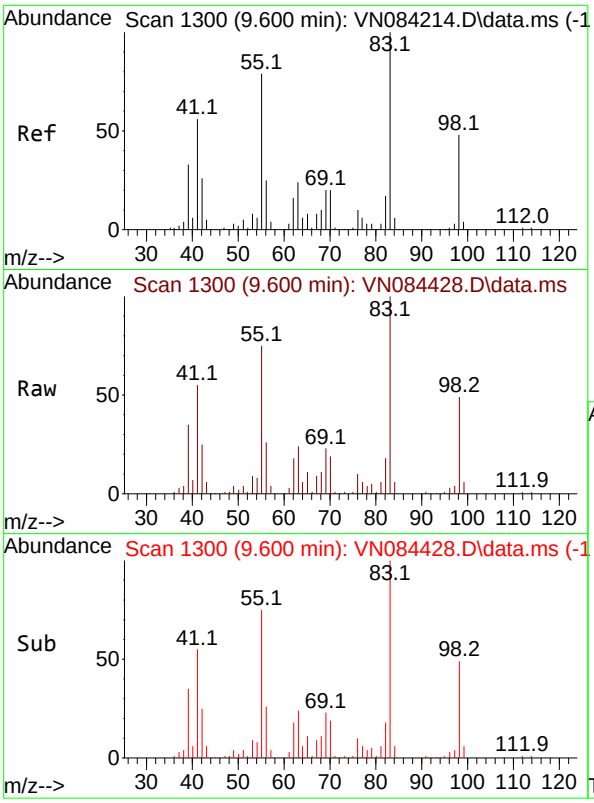


#38
Carbon Tetrachloride
Concen: 54.202 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:117 Resp: 149628

Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.7	118.1
121	28.3	24.4	36.6

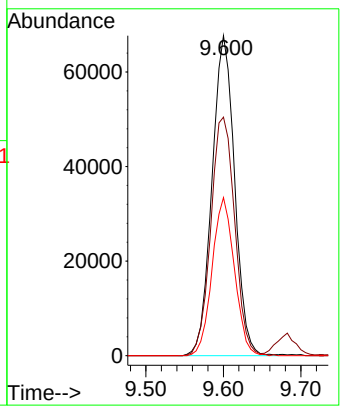




#39
Methylcyclohexane
Concen: 48.955 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 83 Resp: 13711

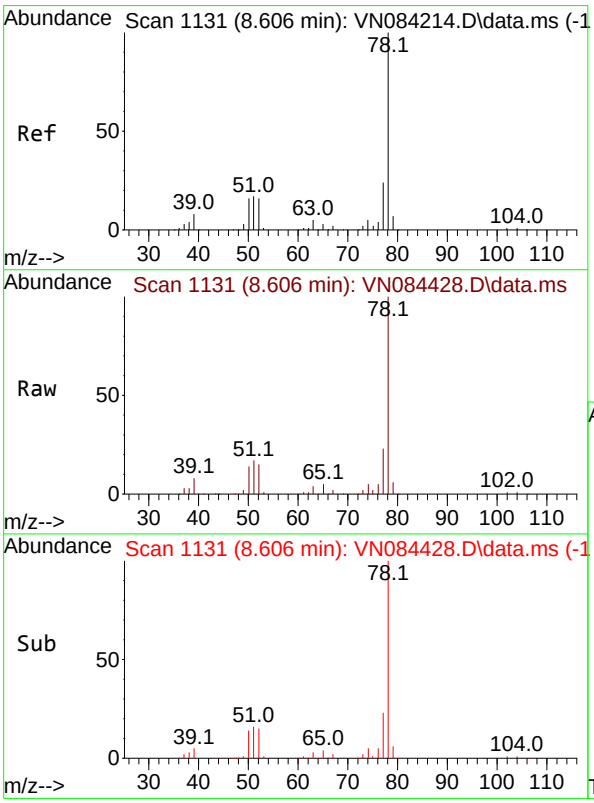
Ion	Ratio	Lower	Upper
83	100		
55	74.6	62.8	94.2
98	49.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

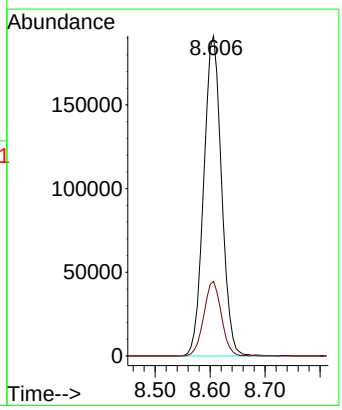
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

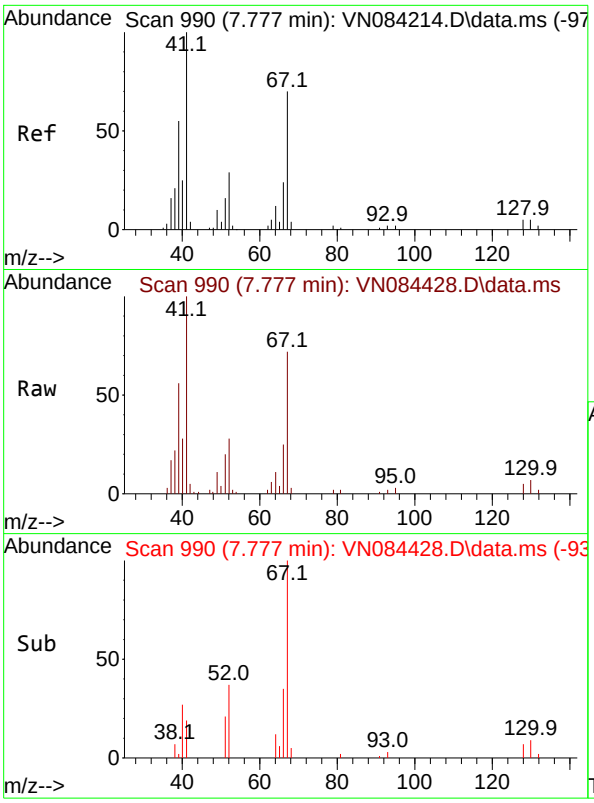


#40
Benzene
Concen: 54.796 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 78 Resp: 429647

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7

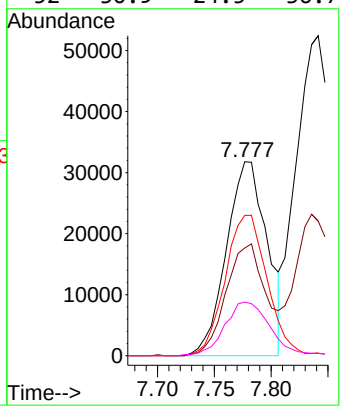




#41
Methacrylonitrile
Concen: 56.424 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 41 Resp: 7908

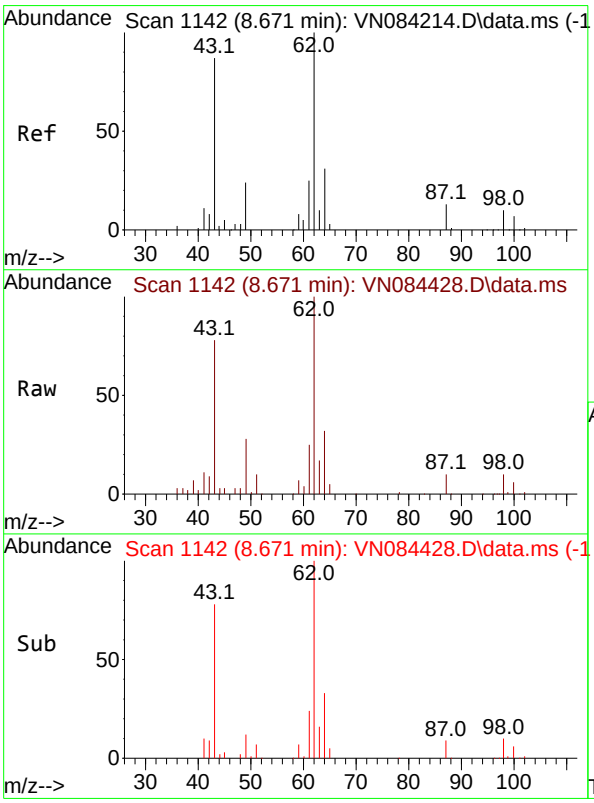
Ion	Ratio	Lower	Upper
41	100		
39	56.4	43.3	64.9
67	75.1	56.1	84.1
52	30.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

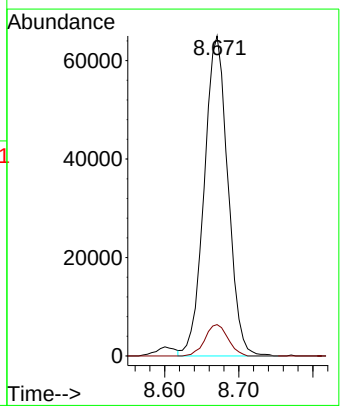
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

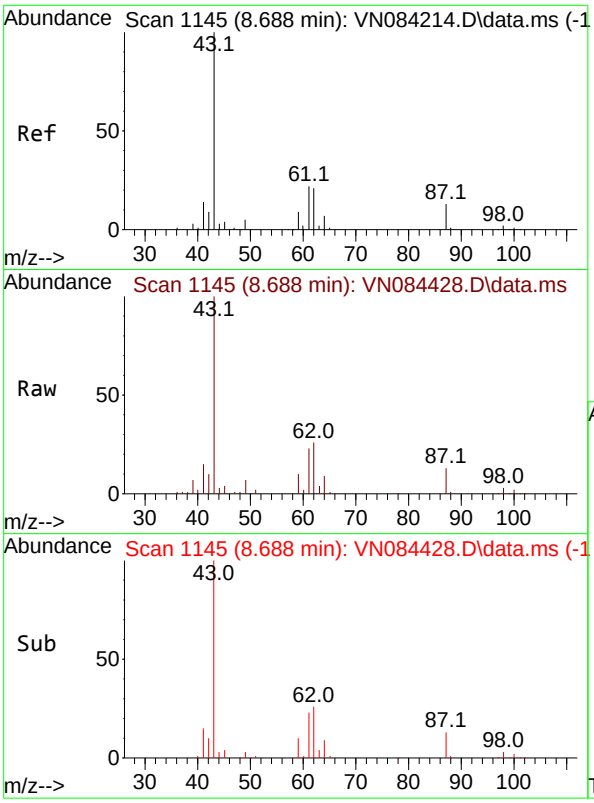


#42
1,2-Dichloroethane
Concen: 54.240 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 62 Resp: 144178

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2

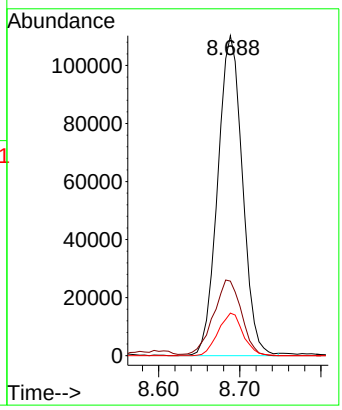




#43
Isopropyl Acetate
Concen: 46.197 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 23361

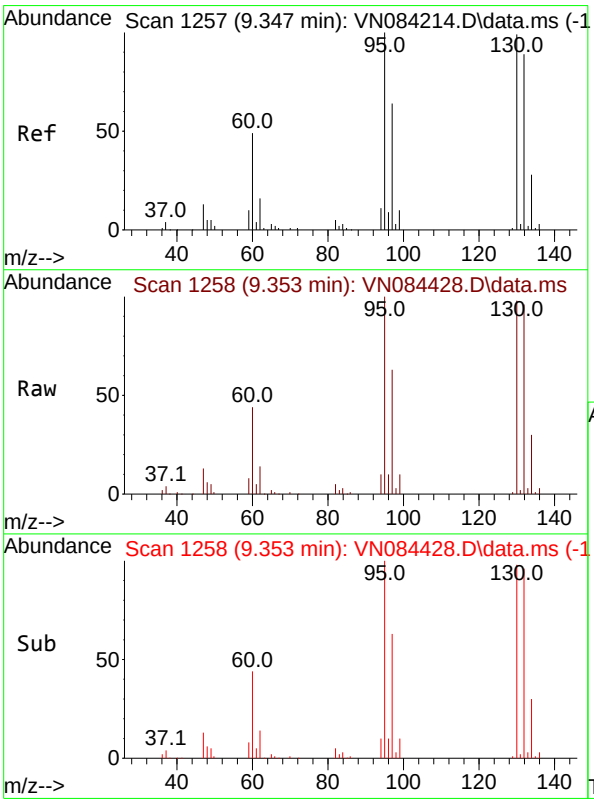
Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.4	30.6
87	13.4	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

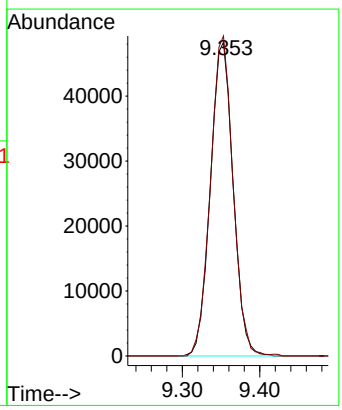
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

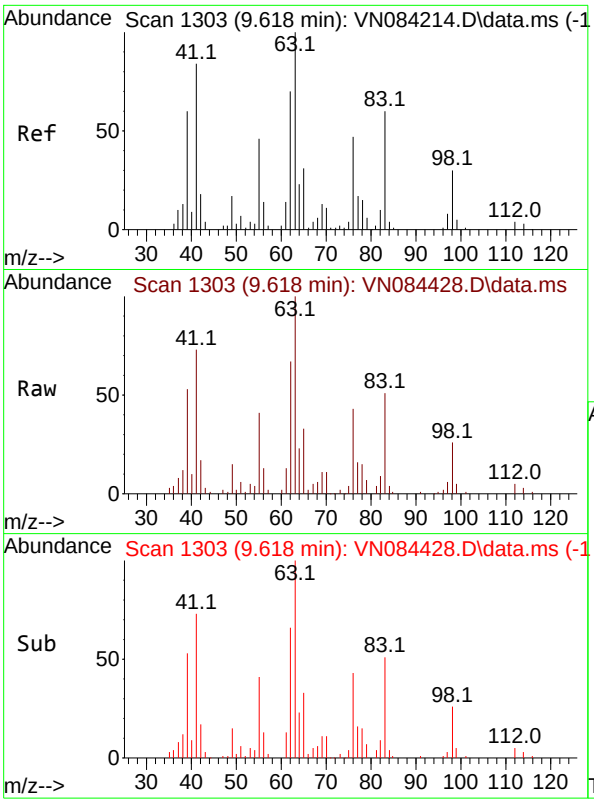


#44
Trichloroethene
Concen: 53.784 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:130 Resp: 98494

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	203.0

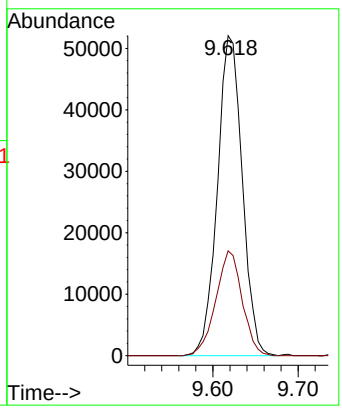




#45
1,2-Dichloropropane
Concen: 56.873 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 63 Resp: 10549

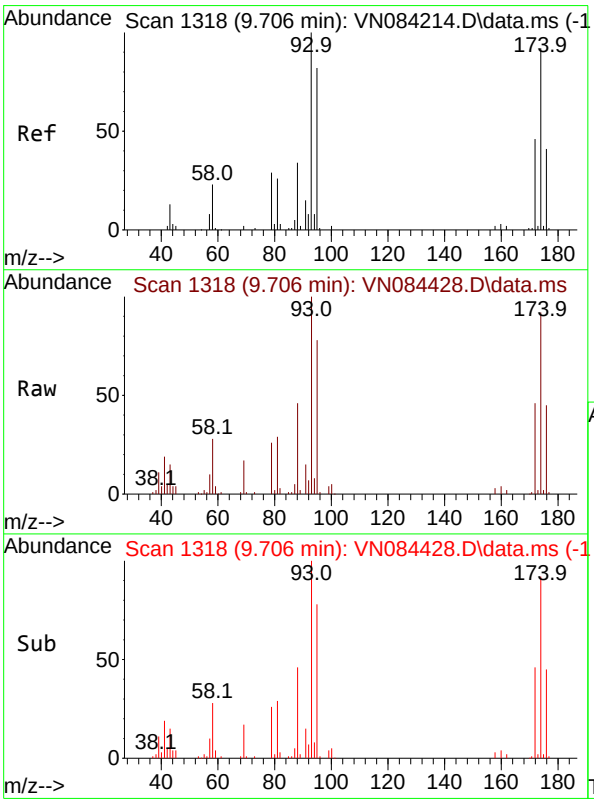
Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

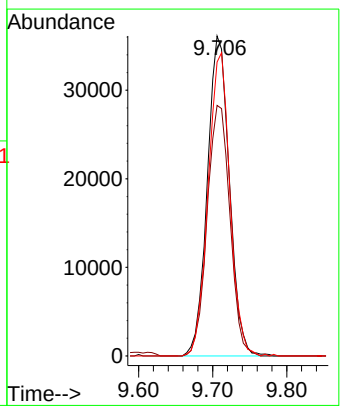
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

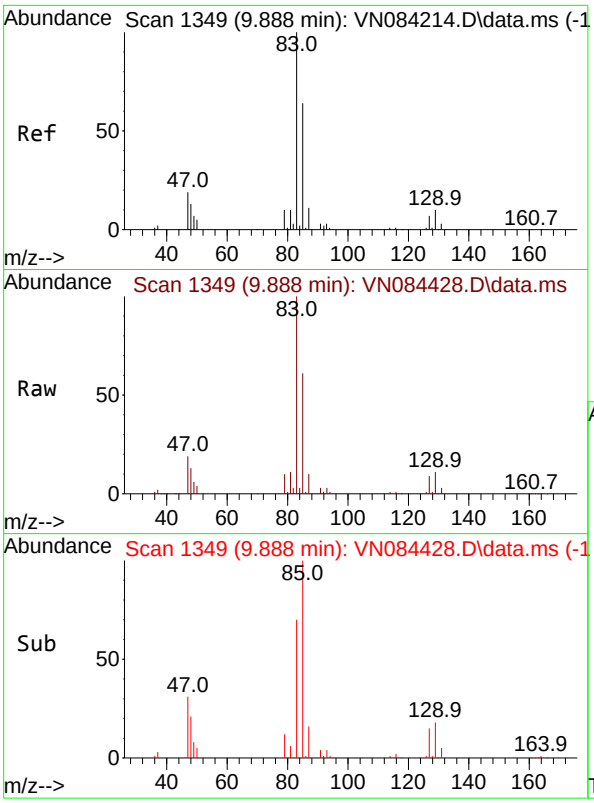


#46
Dibromomethane
Concen: 59.706 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 93 Resp: 74735

Ion	Ratio	Lower	Upper
93	100		
95	80.7	65.0	97.4
174	93.5	71.8	107.8

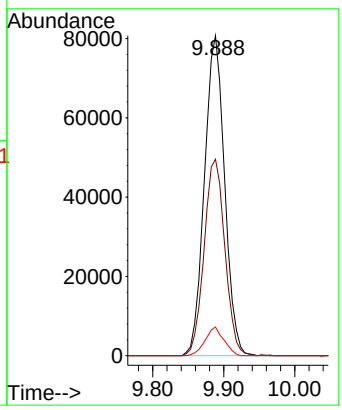




#47
Bromodichloromethane
Concen: 57.235 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 83 Resp: 15916

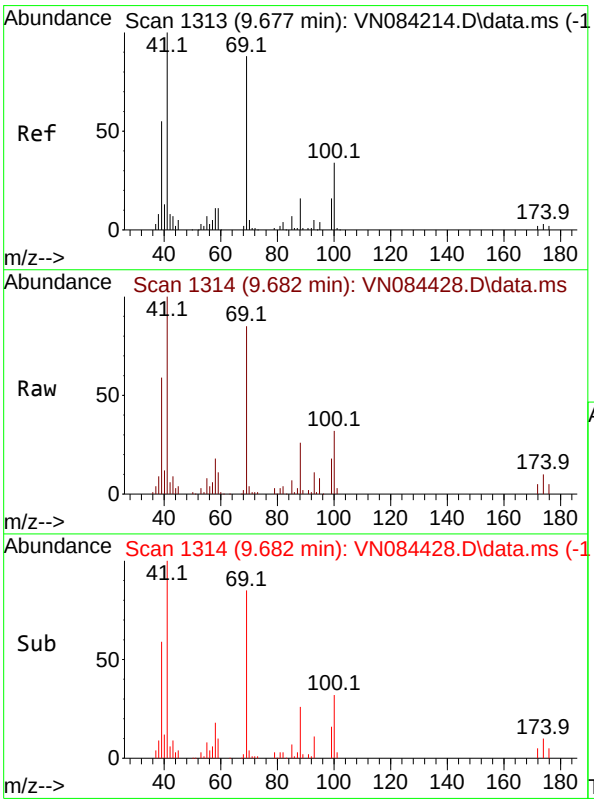
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	8.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

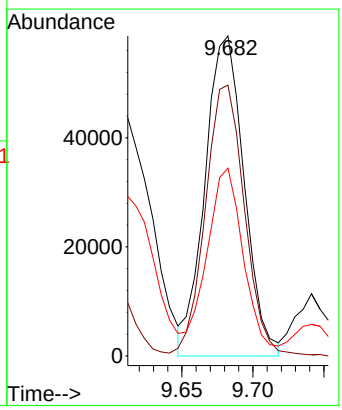
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

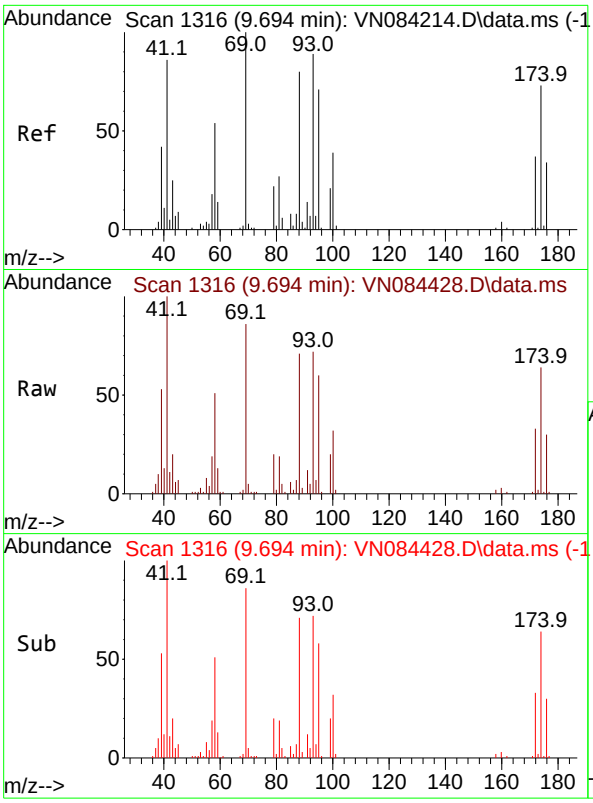


#48
Methyl methacrylate
Concen: 55.960 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 41 Resp: 112649

Ion	Ratio	Lower	Upper
41	100		
69	84.7	67.1	100.7
39	55.9	45.8	68.6

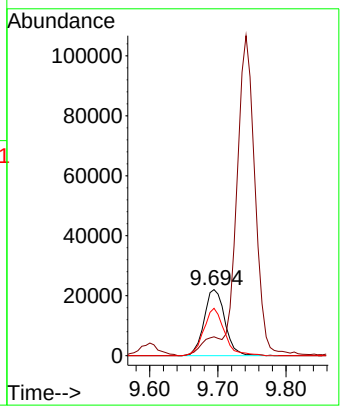




#49
1,4-Dioxane
Concen: 1259.594 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 88 Resp: 4668

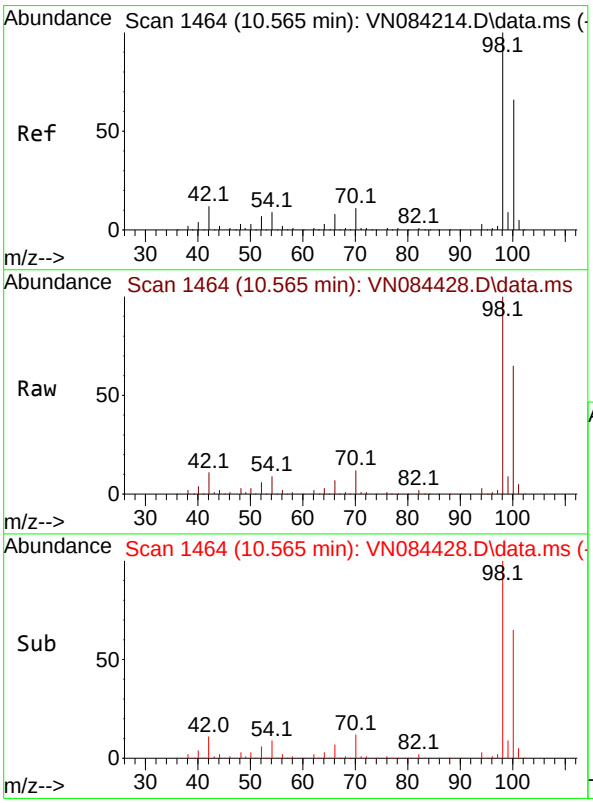
Ion	Ratio	Lower	Upper
88	100		
43	28.2	25.3	37.9
58	71.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

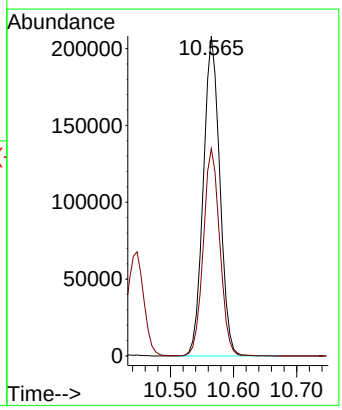
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

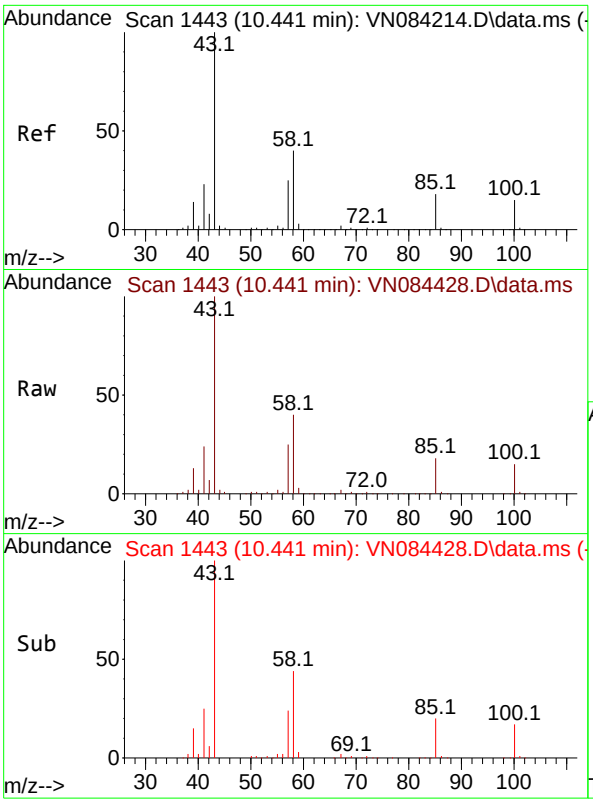


#50
Toluene-d8
Concen: 59.014 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 98 Resp: 376165

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

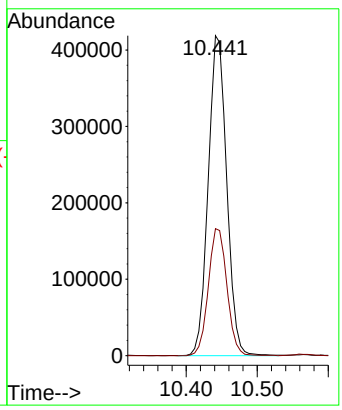




#51
4-Methyl-2-Pentanone
Concen: 308.066 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 75715

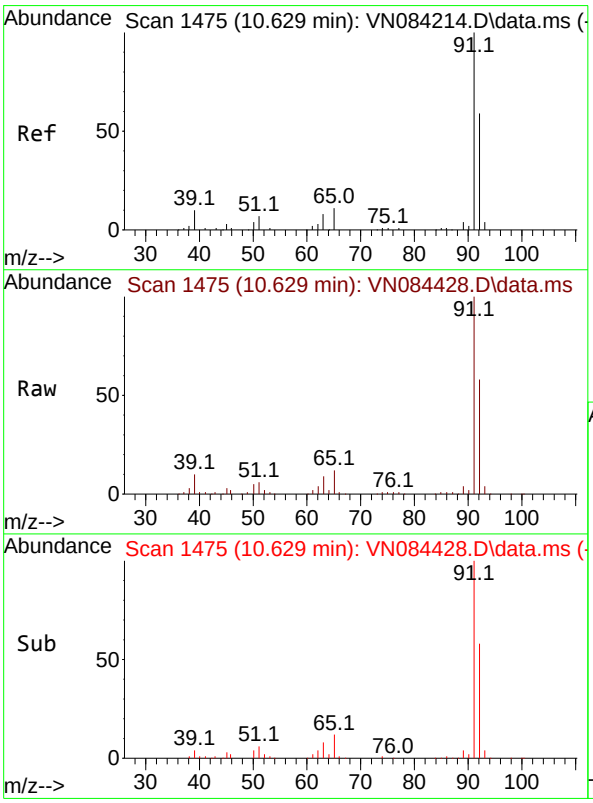
Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

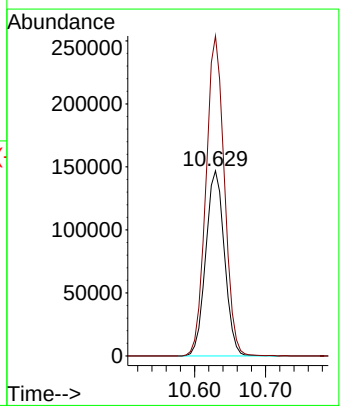
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

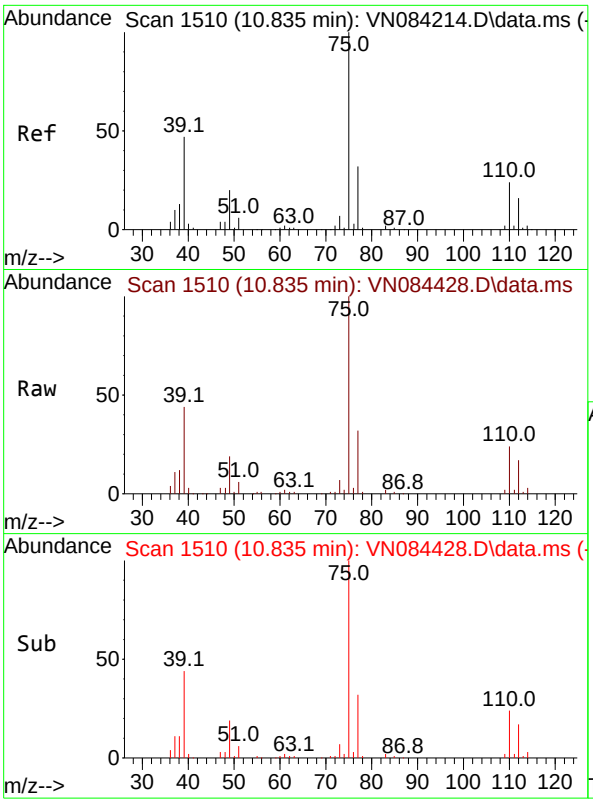


#52
Toluene
Concen: 56.231 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 92 Resp: 268859

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.3	205.9

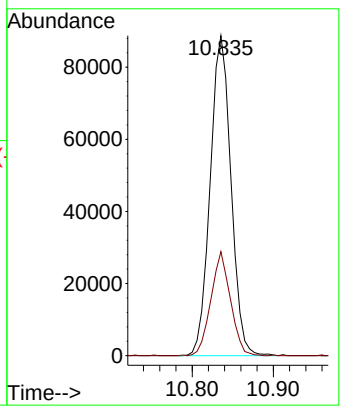




#53
t-1,3-Dichloropropene
Concen: 55.712 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 15792

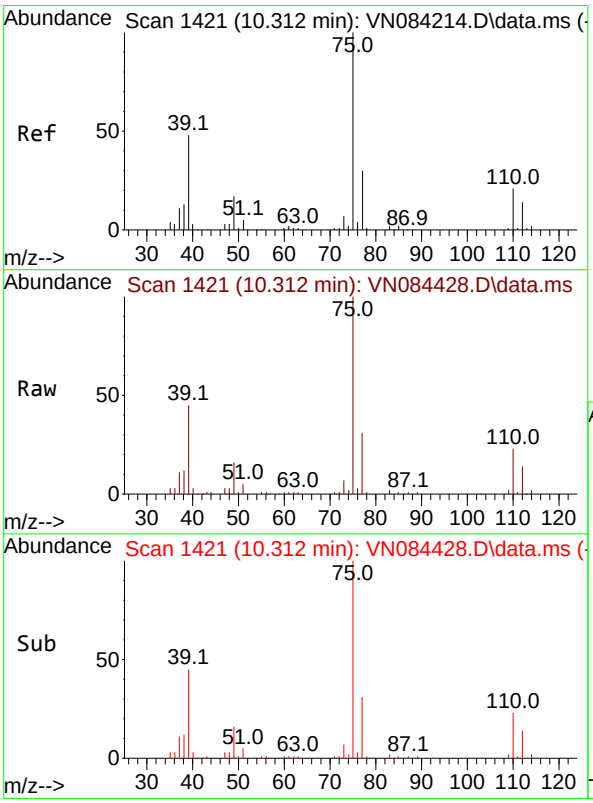
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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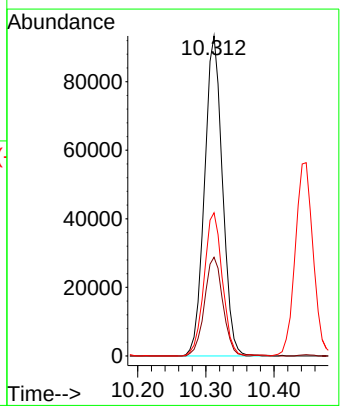
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

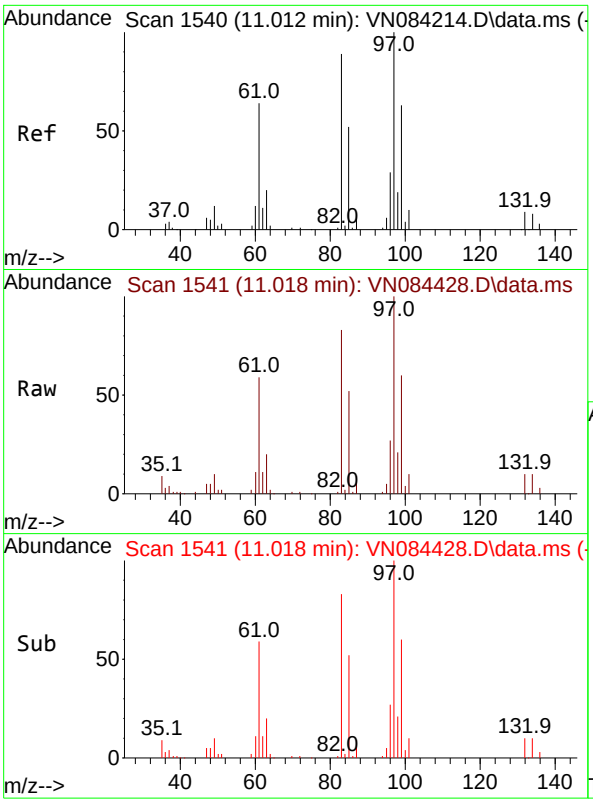


#54
cis-1,3-Dichloropropene
Concen: 56.089 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 171021

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.2	36.2
39	44.8	38.7	58.1

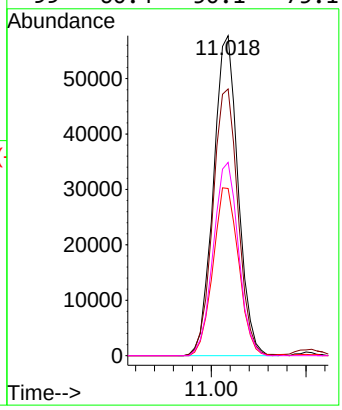




#55
1,1,2-Trichloroethane
Concen: 60.910 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 97 Resp: 10440

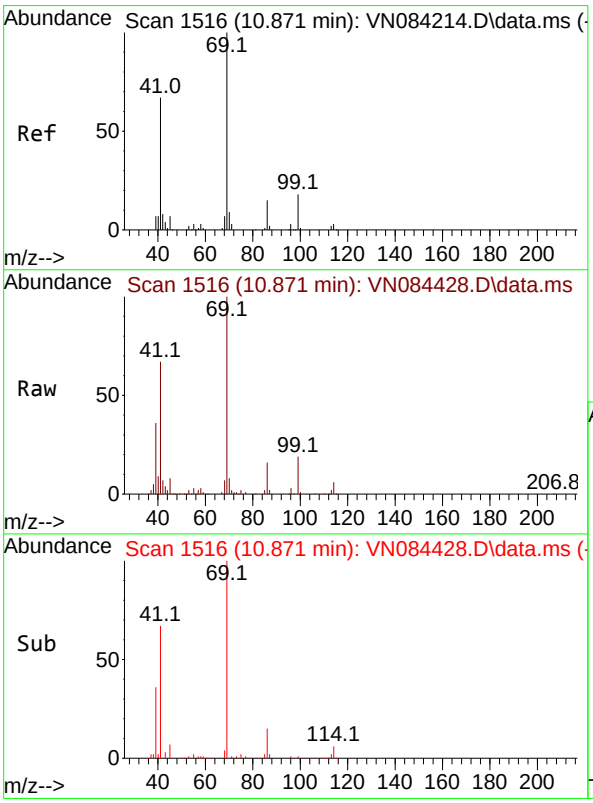
Ion	Ratio	Lower	Upper
97	100		
83	83.3	71.0	106.4
85	52.3	41.7	62.5
99	60.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

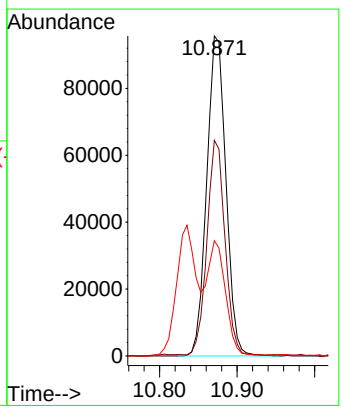
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

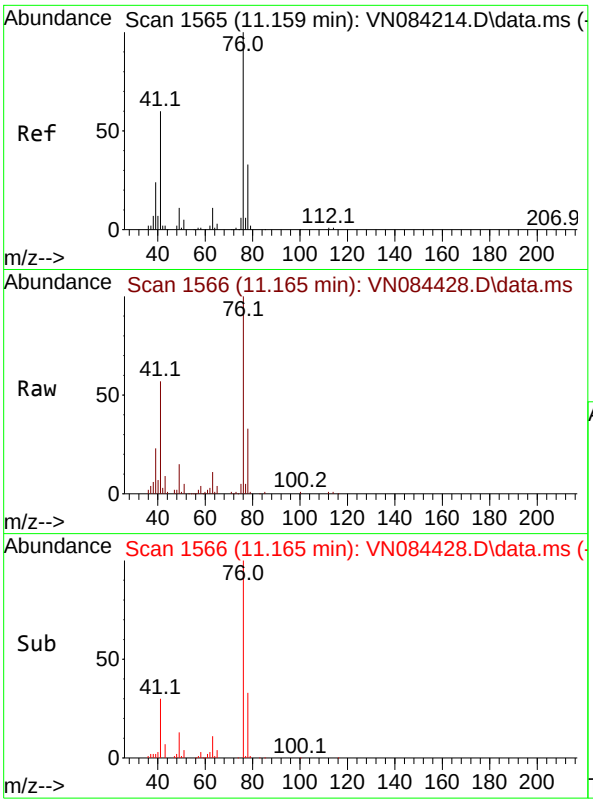


#56
Ethyl methacrylate
Concen: 58.283 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 69 Resp: 164383

Ion	Ratio	Lower	Upper
69	100		
41	63.2	53.3	79.9
39	34.8	28.8	43.2

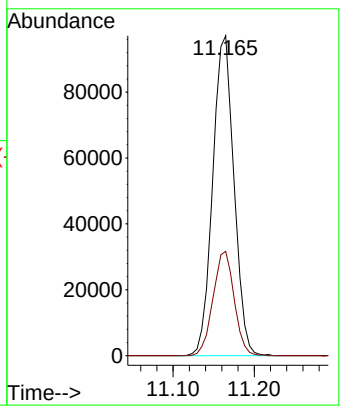




#57
1,3-Dichloropropane
Concen: 57.670 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 76 Resp: 17663

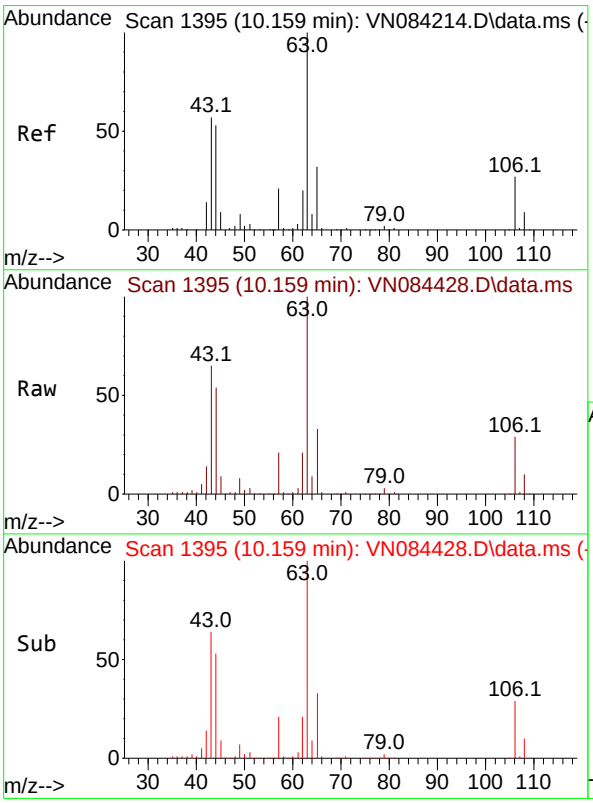
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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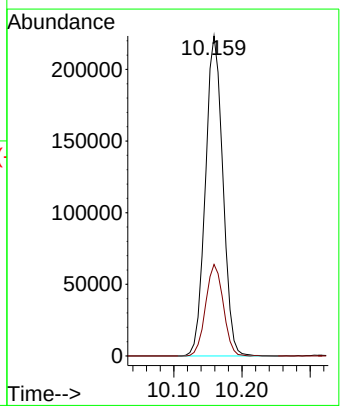
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

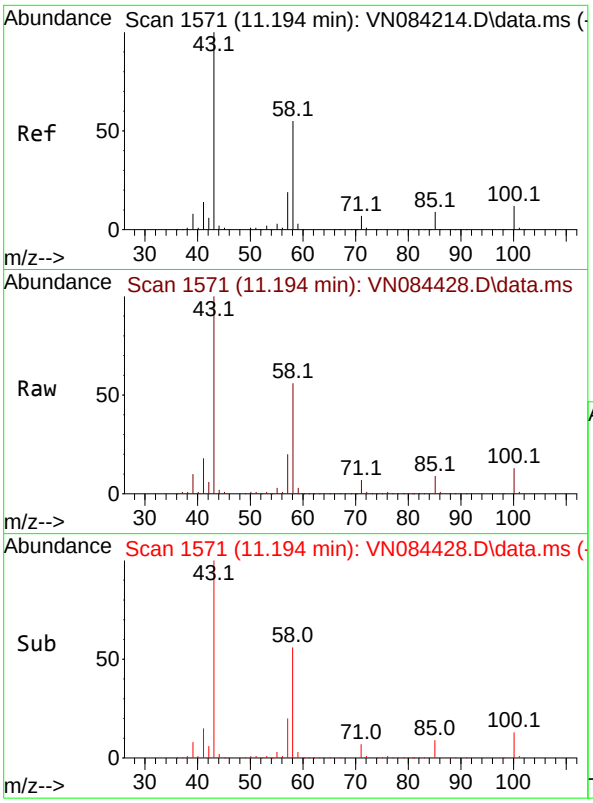


#58
2-Chloroethyl Vinyl ether
Concen: 303.996 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 63 Resp: 397738

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

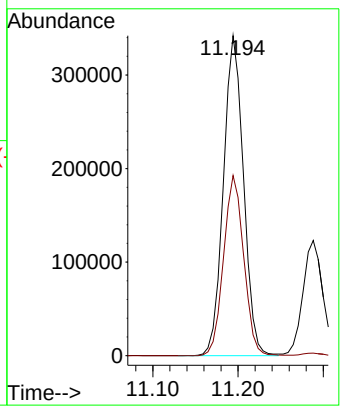




#59
2-Hexanone
Concen: 304.908 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 56010

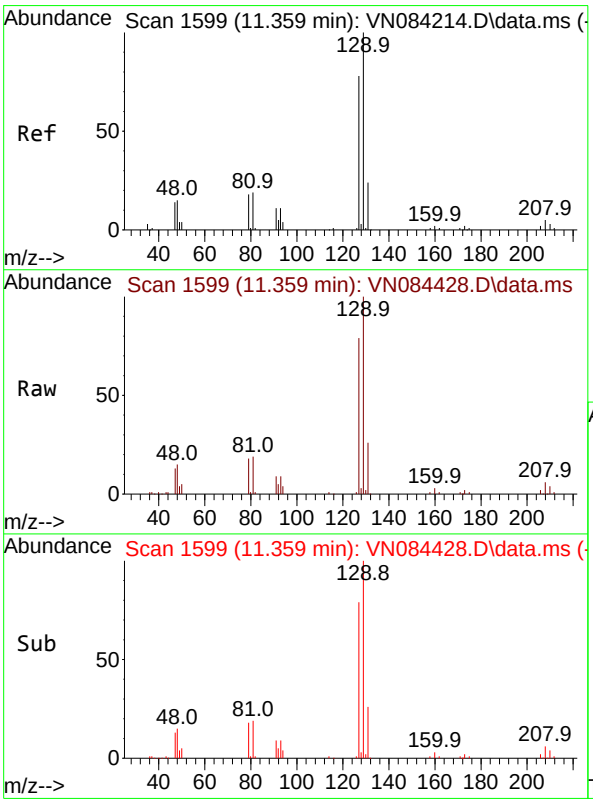
Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

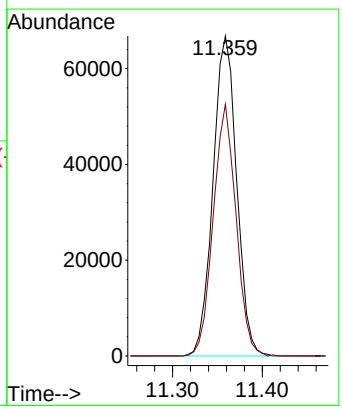
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

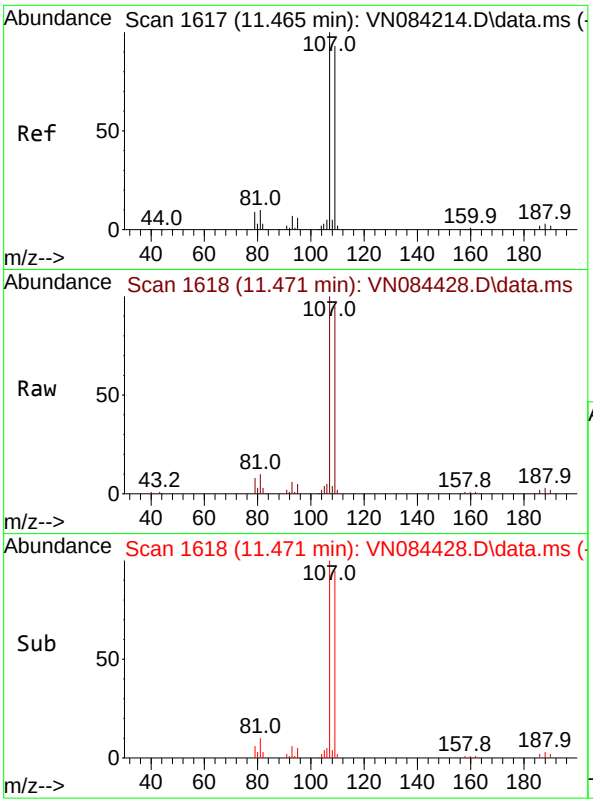


#60
Dibromochloromethane
Concen: 60.458 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:129 Resp: 122440

Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.3	114.9

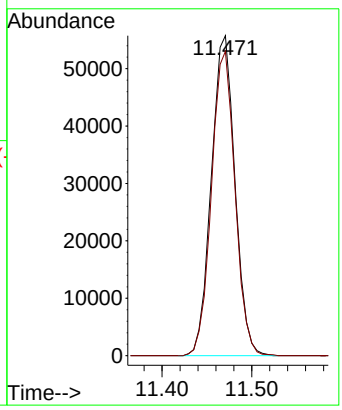




#61
1,2-Dibromoethane
Concen: 57.274 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:107 Resp: 10200

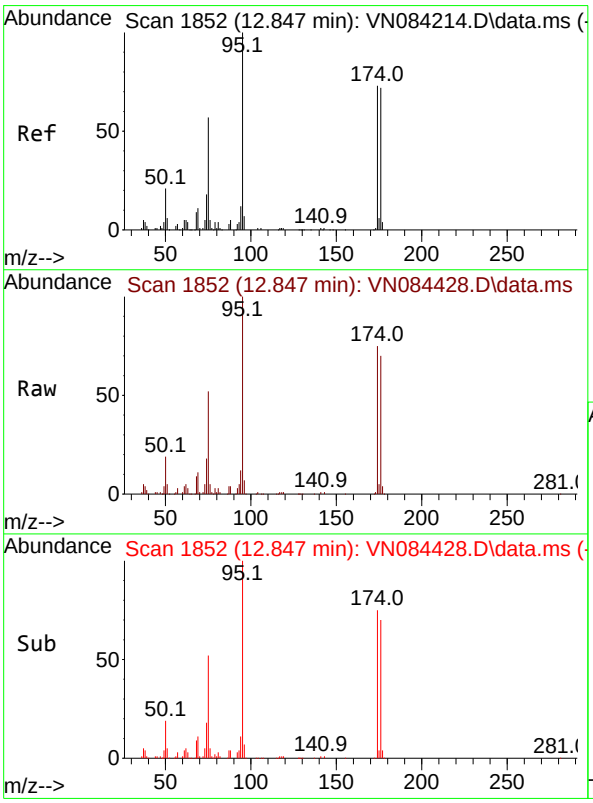
Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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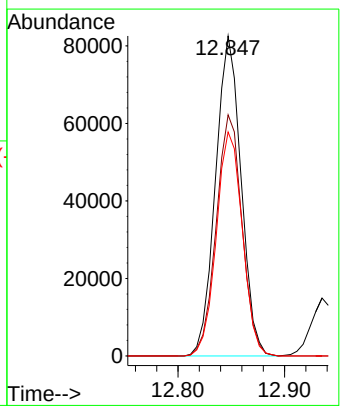
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

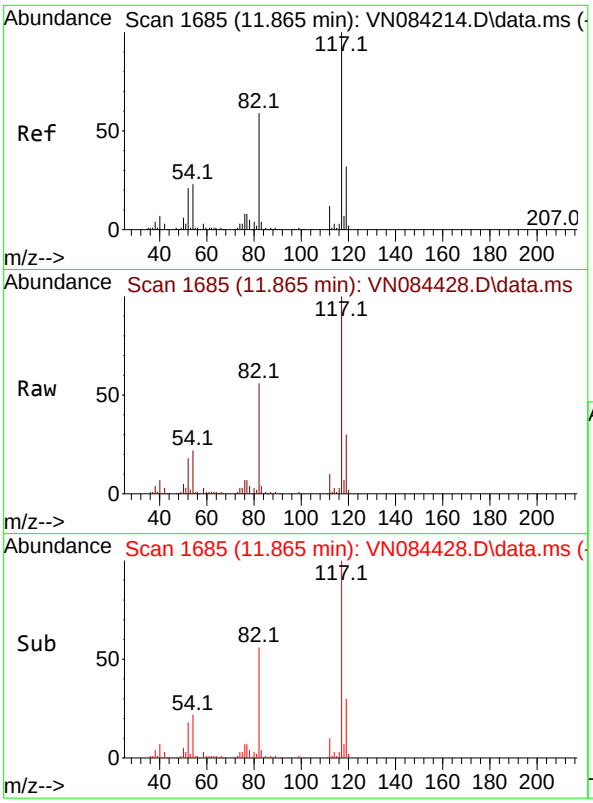


#62
4-Bromofluorobenzene
Concen: 59.102 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 95 Resp: 137246

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	71.4	0.0	140.0

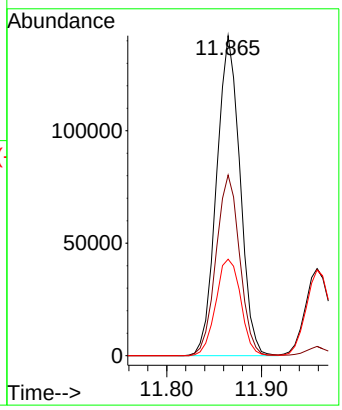




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:117 Resp: 24463

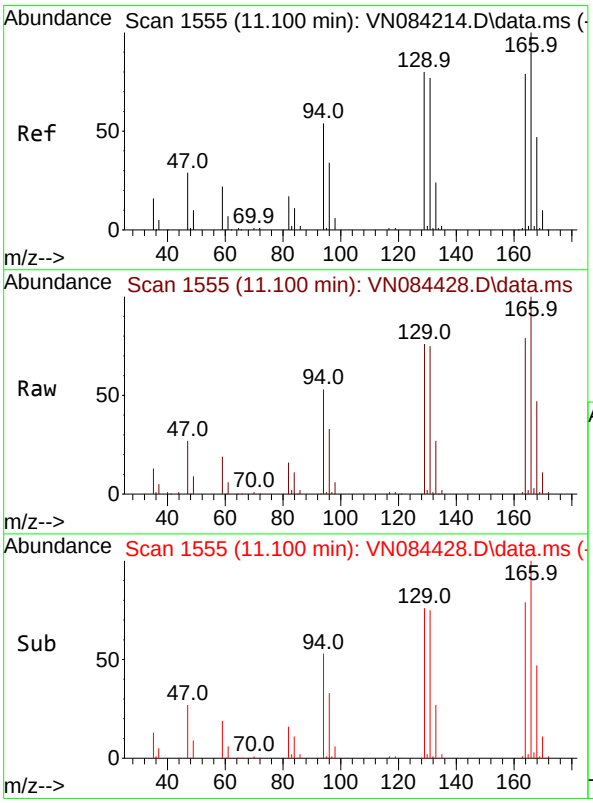
Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	30.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

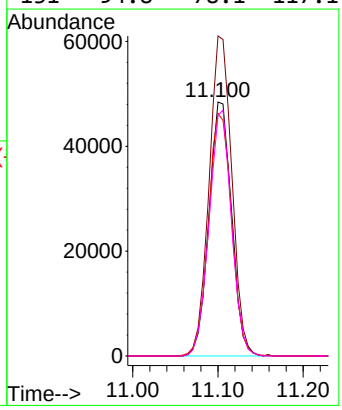
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

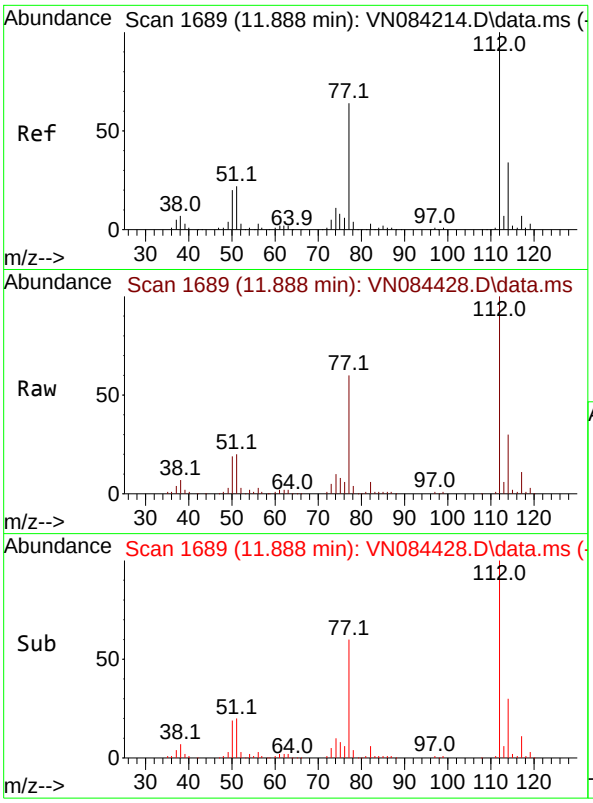


#64
Tetrachloroethene
Concen: 52.523 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:164 Resp: 89495

Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.0	151.4
129	95.5	80.8	121.2
131	94.8	78.1	117.1

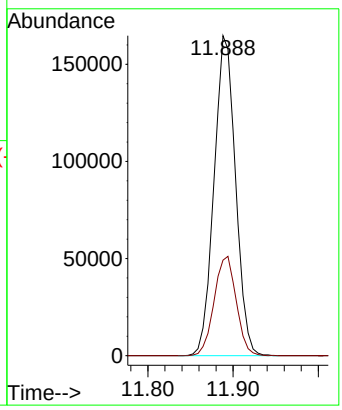




#65
Chlorobenzene
Concen: 53.283 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:112 Resp: 28901

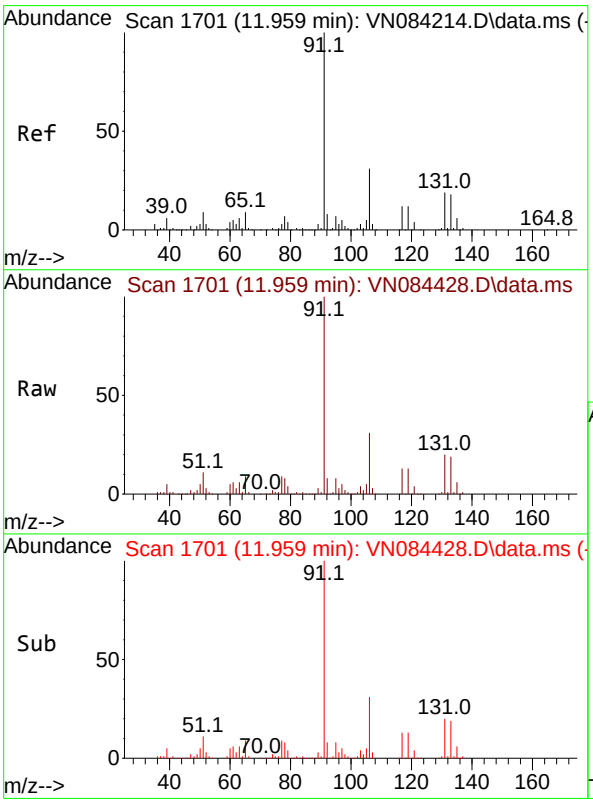
Ion	Ratio	Lower	Upper
112	100		
114	29.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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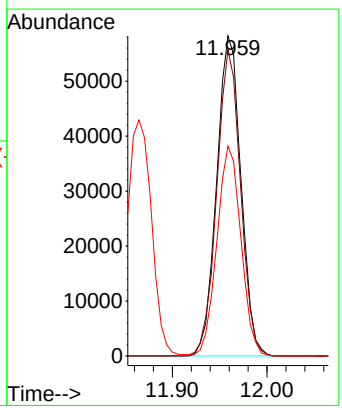
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

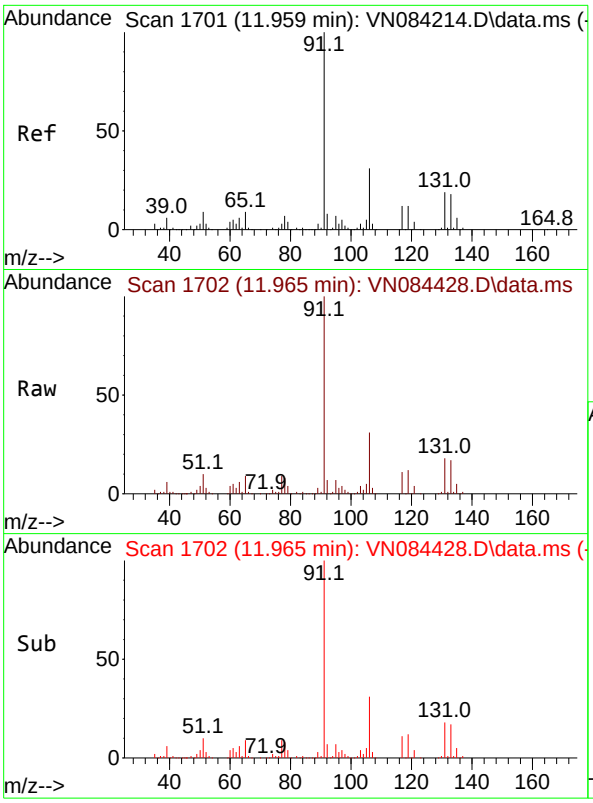


#66
1,1,1,2-Tetrachloroethane
Concen: 55.468 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:131 Resp: 103631

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.9	143.7
119	65.0	32.8	98.3

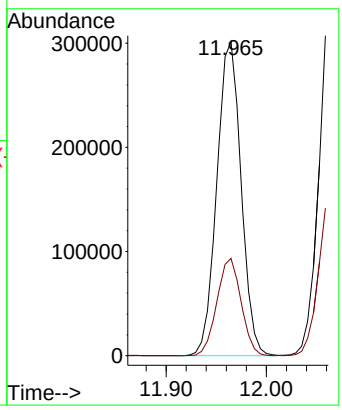




#67
Ethyl Benzene
Concen: 52.799 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 91 Resp: 50646

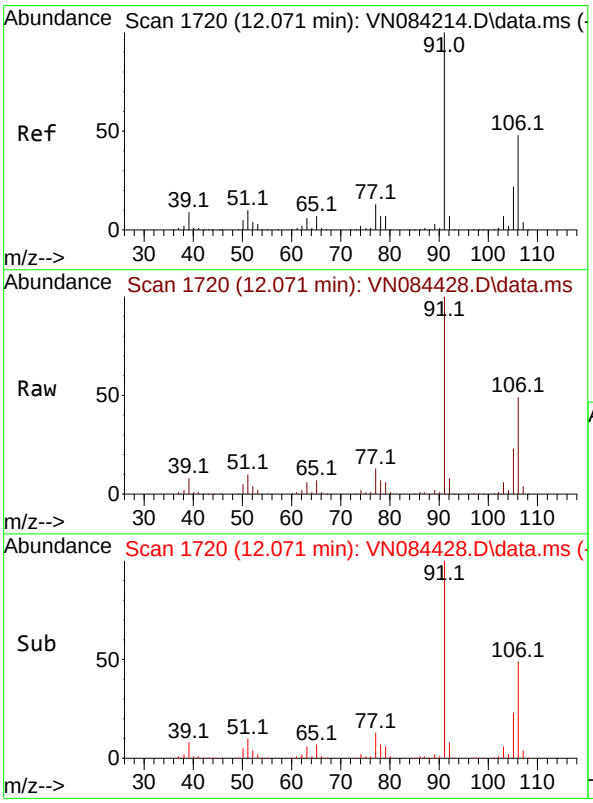
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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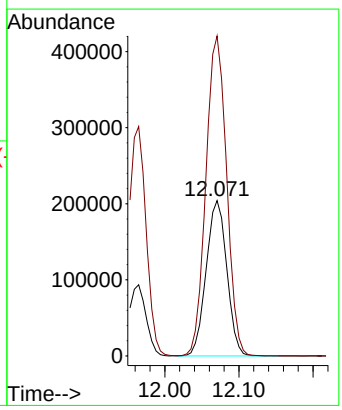
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

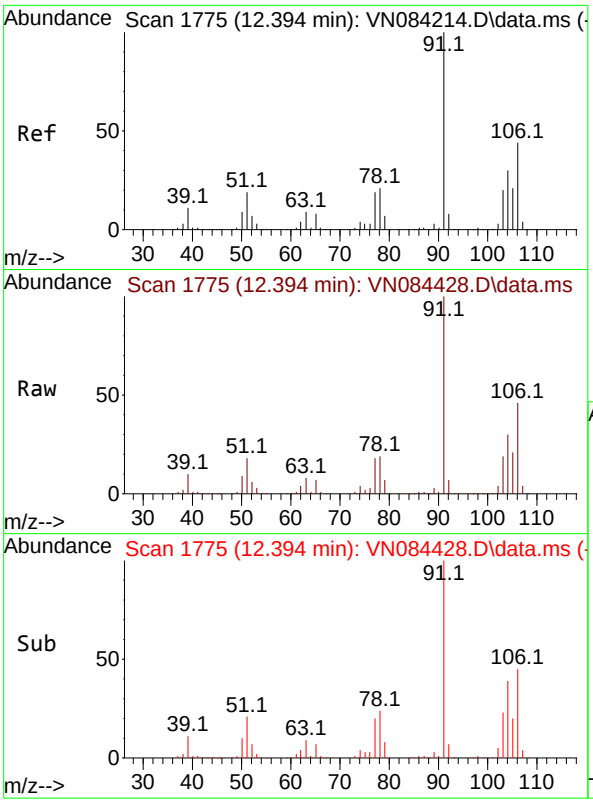


#68
m/p-Xylenes
Concen: 111.301 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:106 Resp: 394932

Ion	Ratio	Lower	Upper
106	100		
91	206.8	167.1	250.7





#69
o-Xylene
Concen: 55.767 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

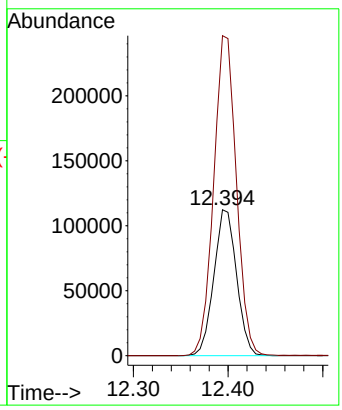
Tgt Ion:106 Resp: 18721

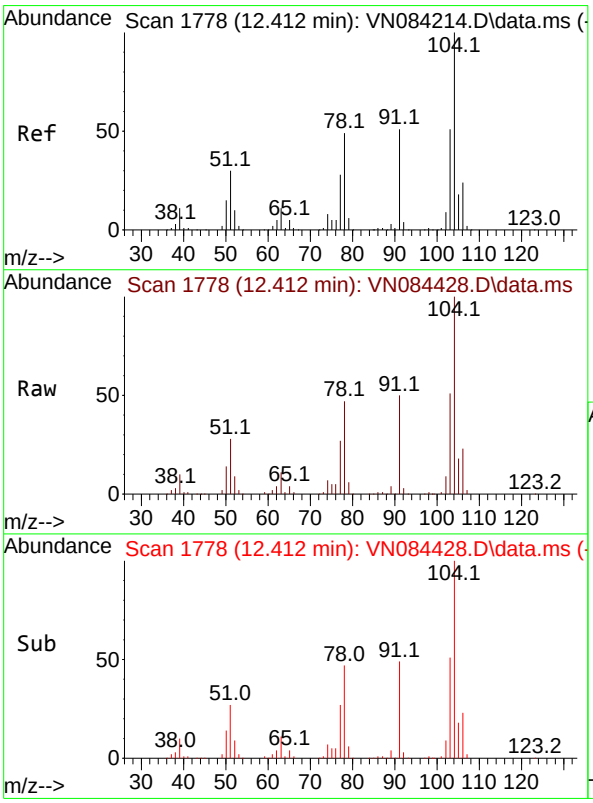
Ion	Ratio	Lower	Upper
106	100		
91	219.7	110.2	330.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

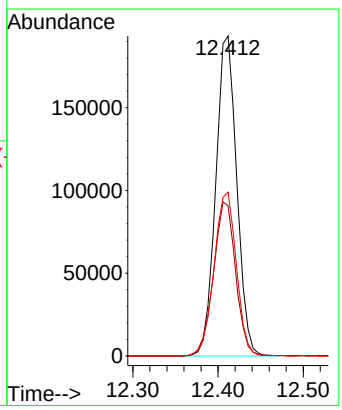


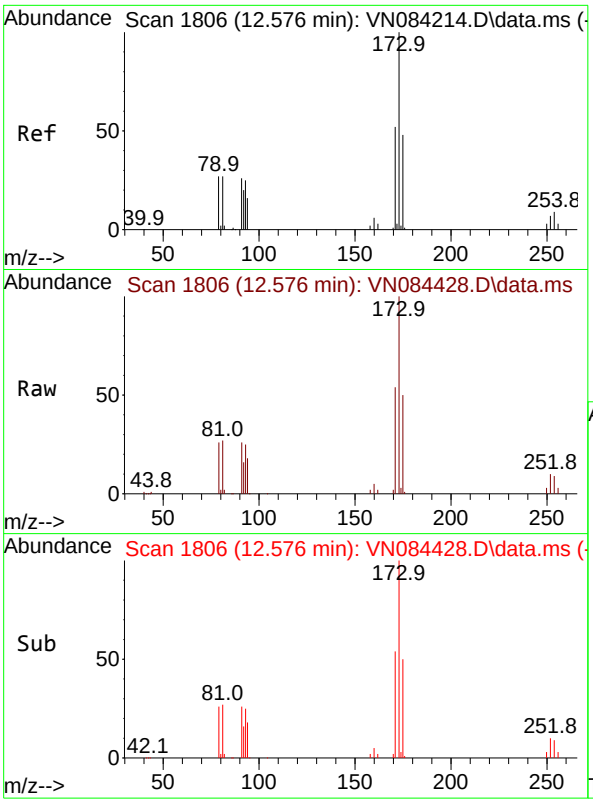


#70
Styrene
Concen: 58.246 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:104 Resp: 331204

Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.7	64.1
103	54.3	43.6	65.4

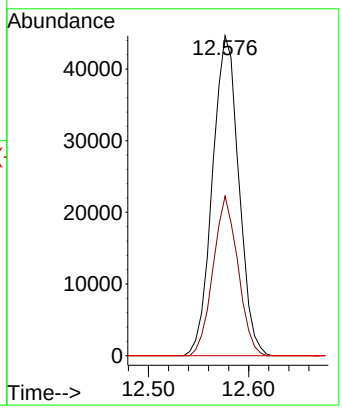




#71
Bromoform
Concen: 59.072 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:173 Resp: 8125

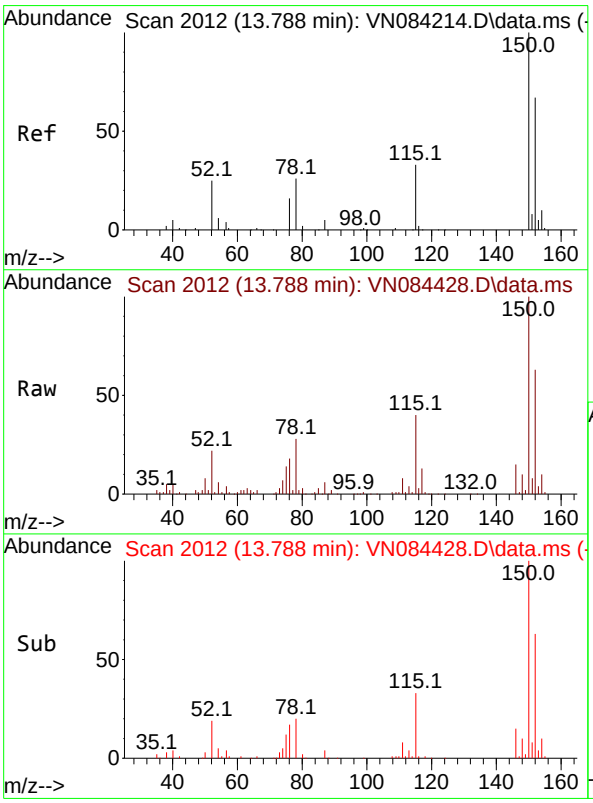
Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

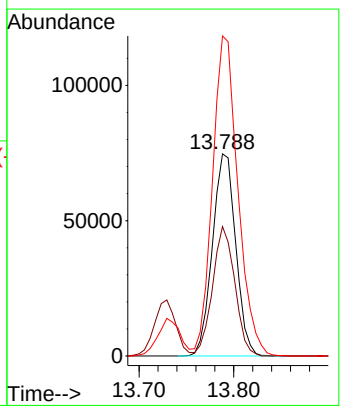
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

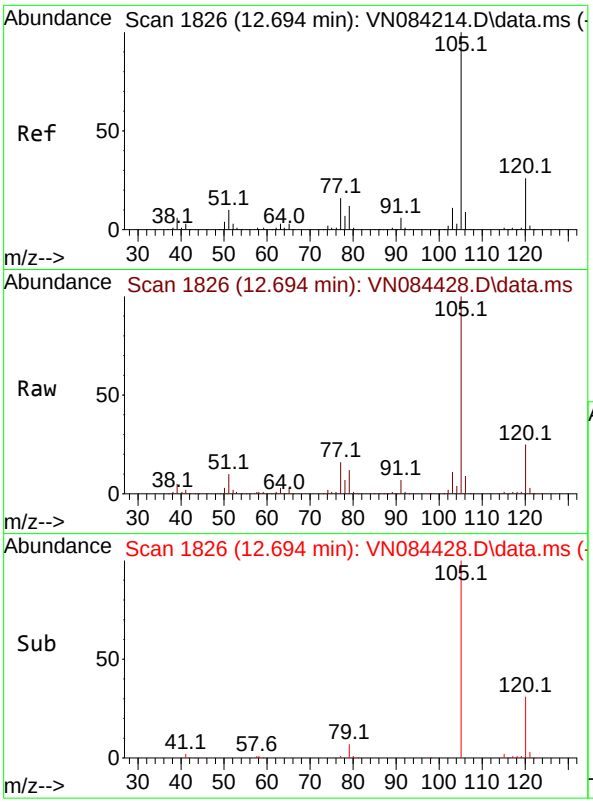


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:152 Resp: 127638

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.3	93.9
150	173.0	0.0	349.8

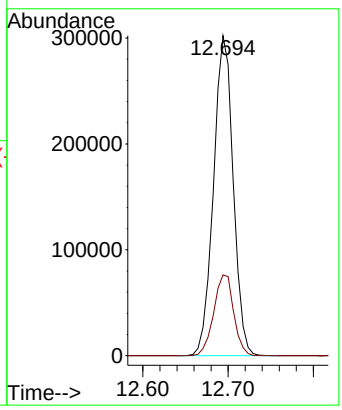




#73
Isopropylbenzene
Concen: 49.760 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:105 Resp: 48465

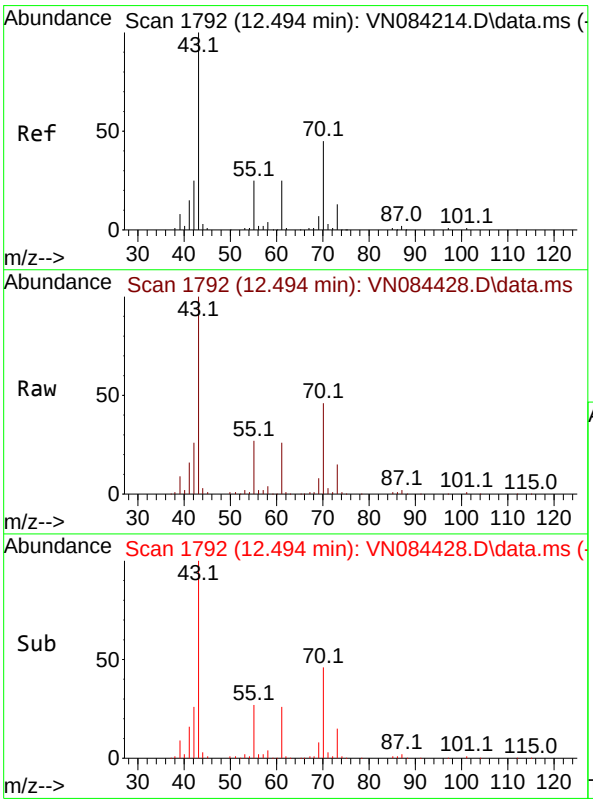
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

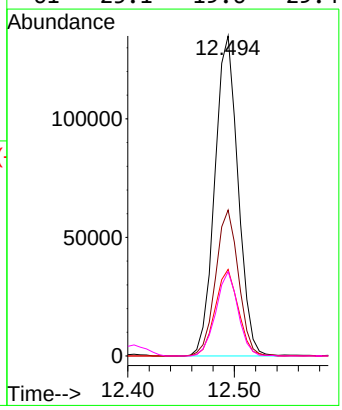
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

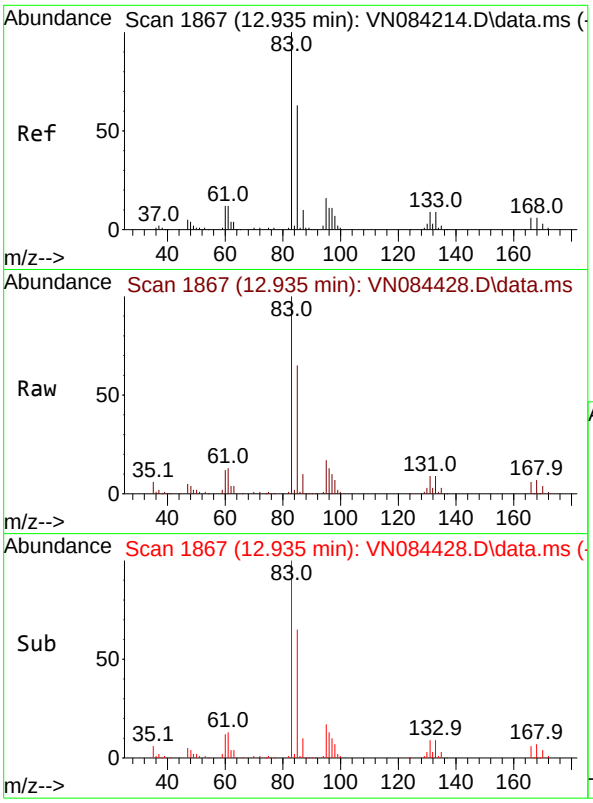


#74
N-amyl acetate
Concen: 46.332 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 204351

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.4	51.6
55	26.9	19.6	29.4
61	25.1	19.6	29.4

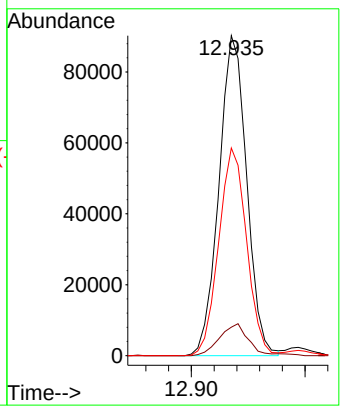




#75
1,1,2,2-Tetrachloroethane
Concen: 52.226 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 83 Resp: 15295

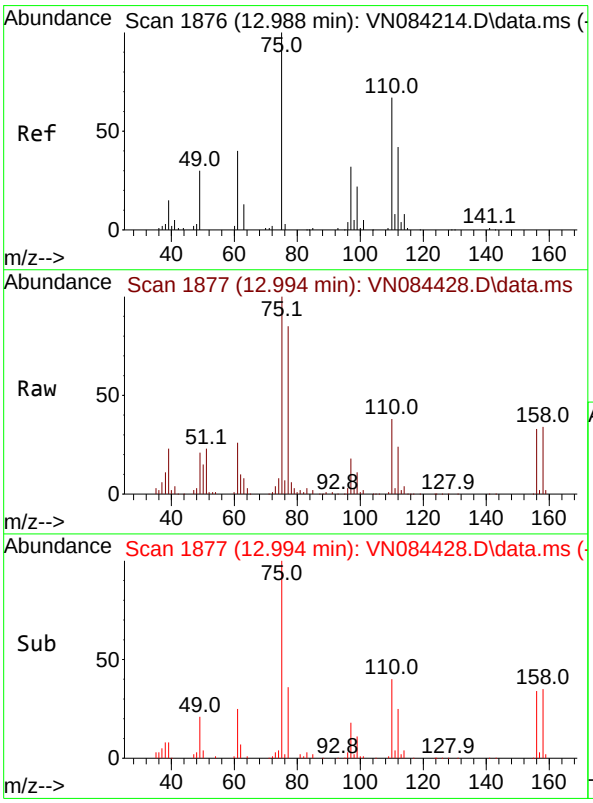
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	65.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

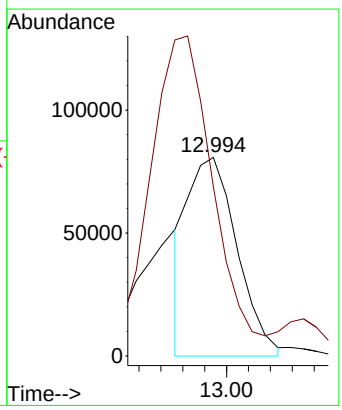
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

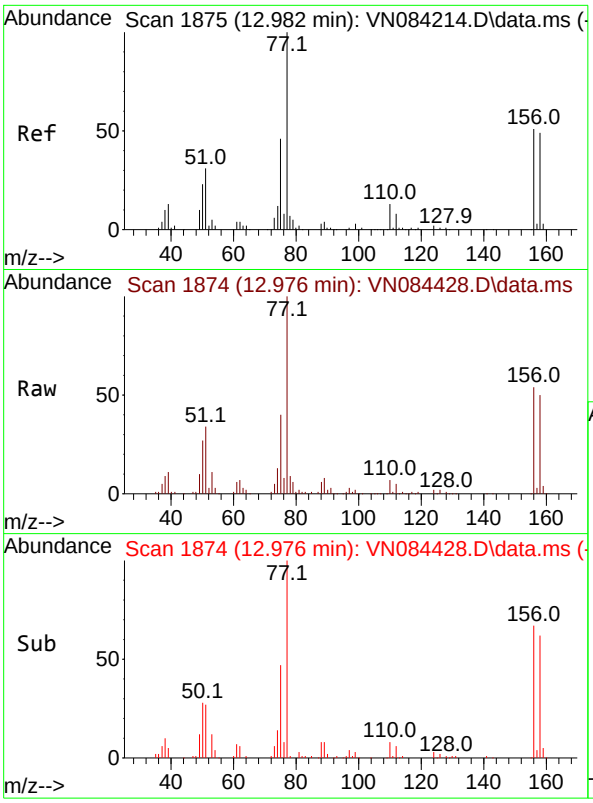


#76
1,2,3-Trichloropropane
Concen: 48.846 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 127281

Ion	Ratio	Lower	Upper
75	100		
77	206.1	96.9	290.7

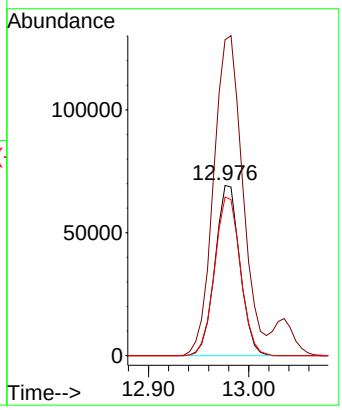




#77
Bromobenzene
Concen: 50.631 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:156 Resp: 11895

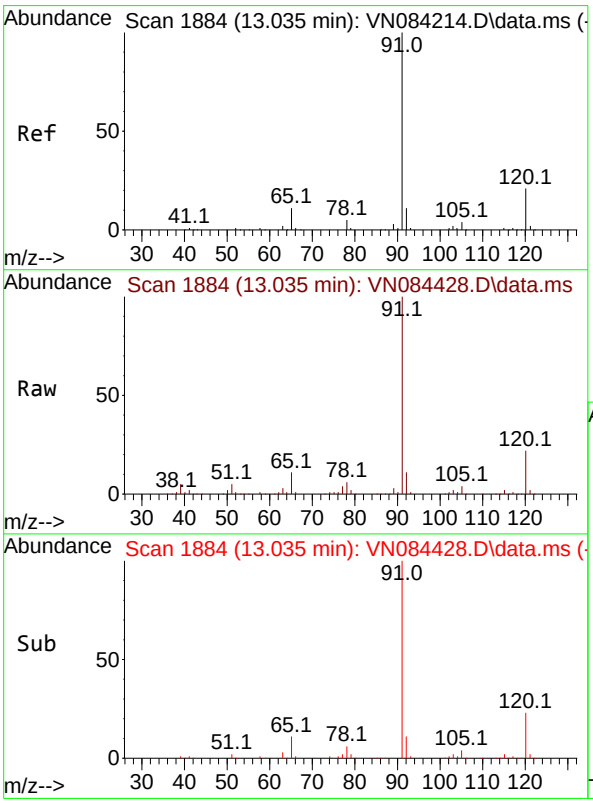
Ion	Ratio	Lower	Upper
156	100		
77	220.5	115.1	345.3
158	97.0	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

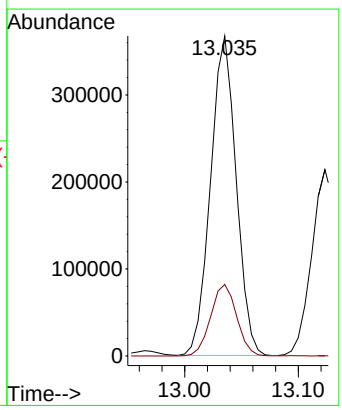
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

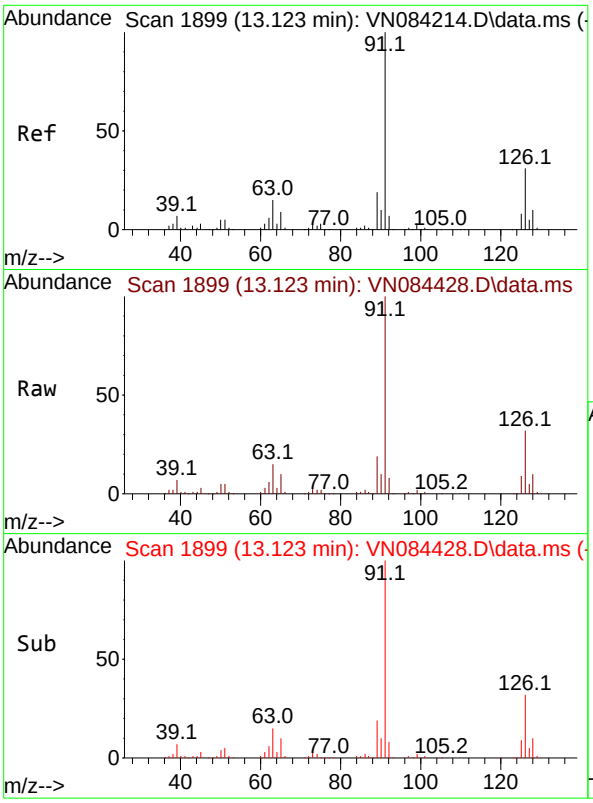


#78
n-propylbenzene
Concen: 51.101 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 91 Resp: 576662

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4

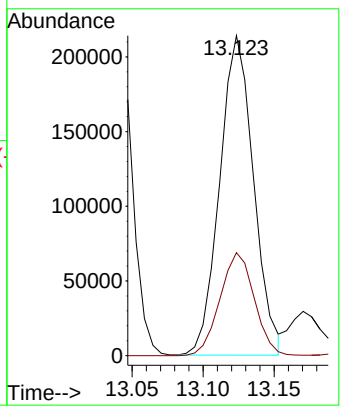




#79
2-Chlorotoluene
Concen: 49.256 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 91 Resp: 35468

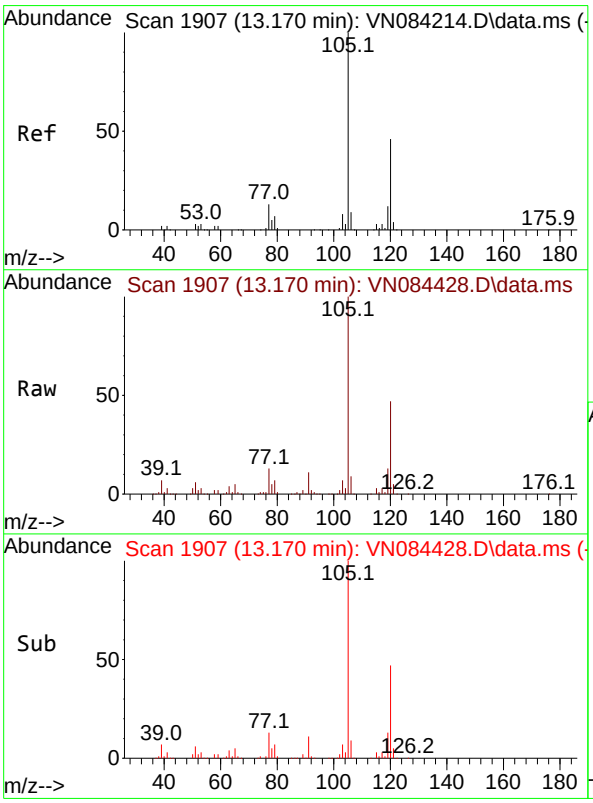
Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

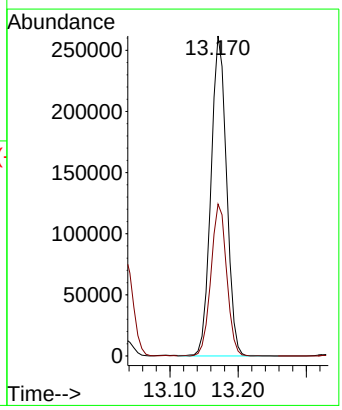
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

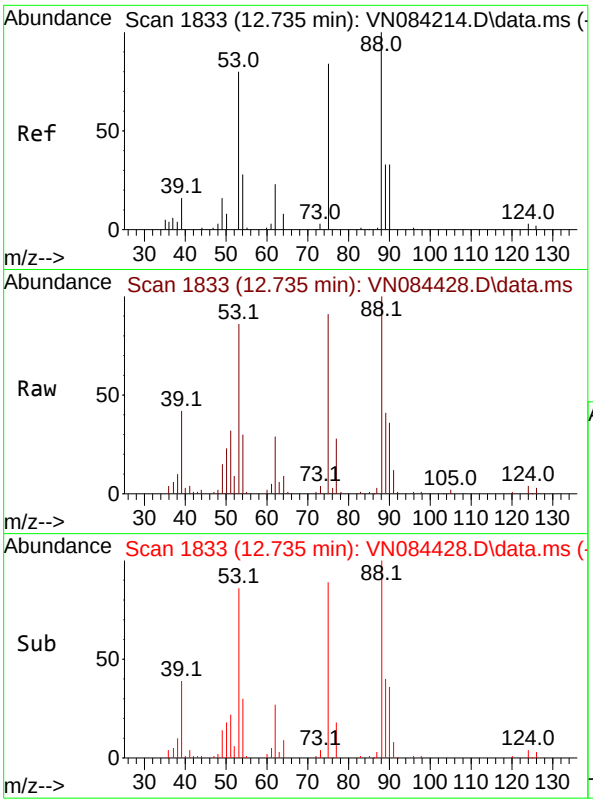


#80
1,3,5-Trimethylbenzene
Concen: 52.460 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:105 Resp: 416797

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1

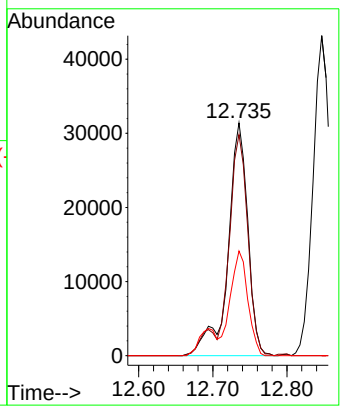




#81
trans-1,4-Dichloro-2-butene
Concen: 53.835 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 5851

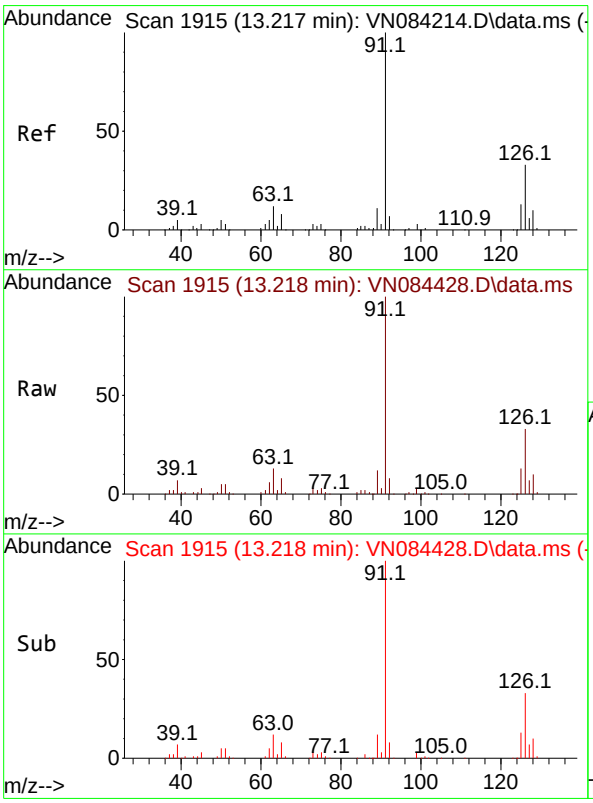
Ion	Ratio	Lower	Upper
75	100		
53	86.4	78.0	117.0
89	40.2	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

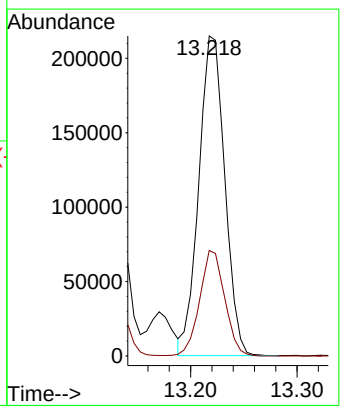
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

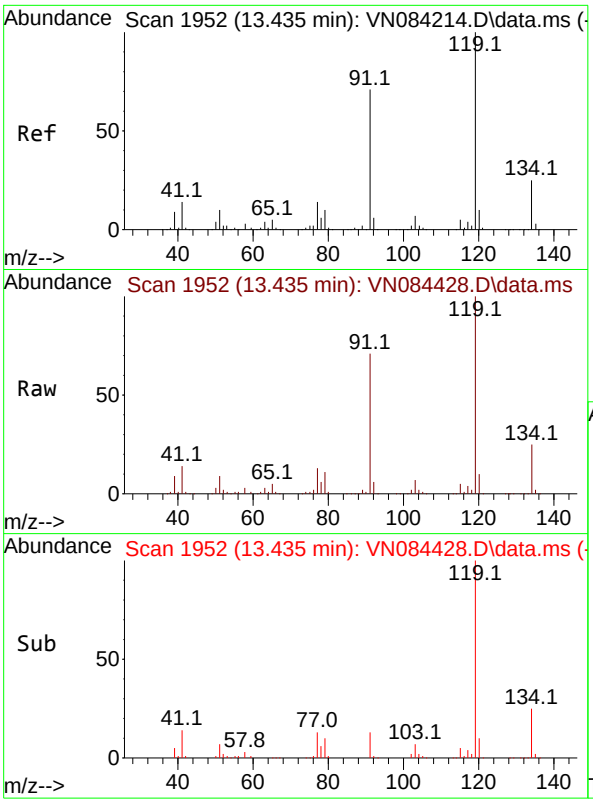


#82
4-Chlorotoluene
Concen: 50.275 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 91 Resp: 364438

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

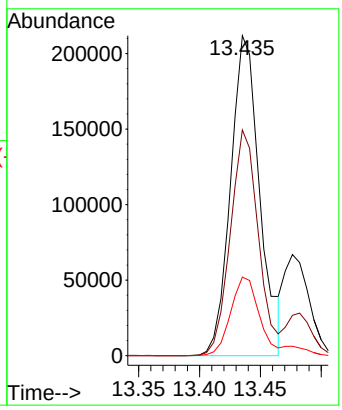




#83
tert-Butylbenzene
Concen: 49.862 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:119 Resp: 352095

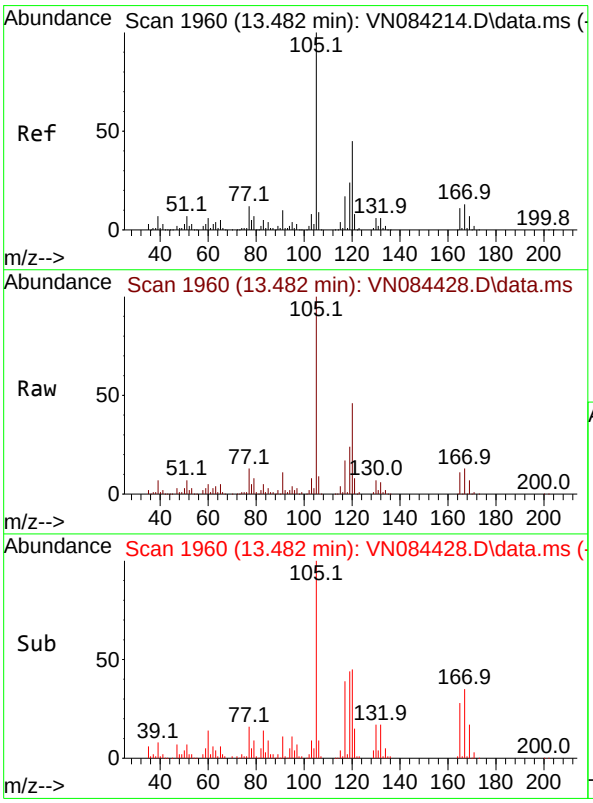
Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

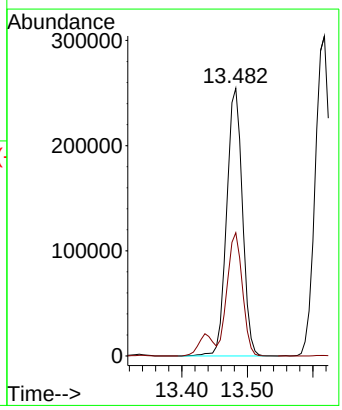
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

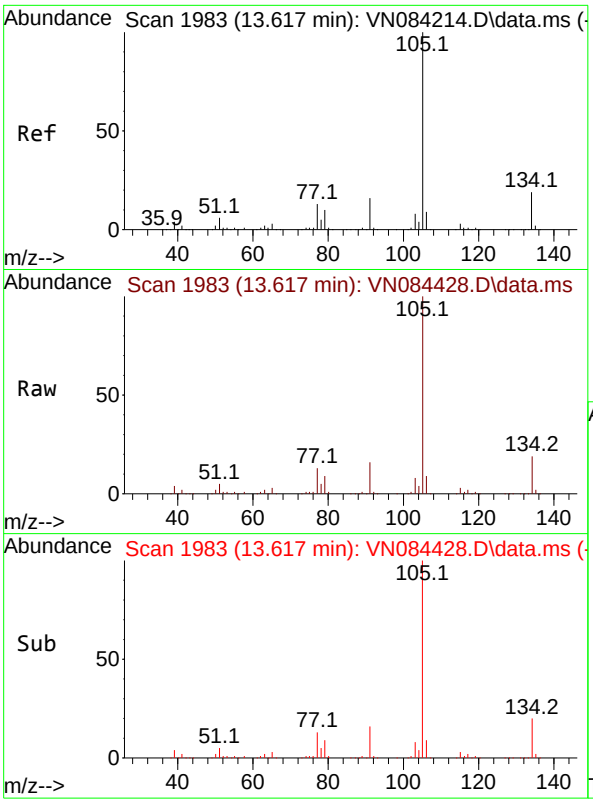


#84
1,2,4-Trimethylbenzene
Concen: 52.722 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:105 Resp: 421969

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.8

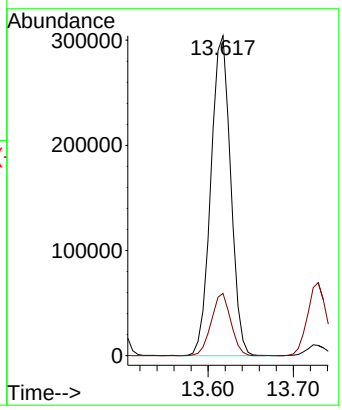




#85
sec-Butylbenzene
Concen: 52.226 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:105 Resp: 49213

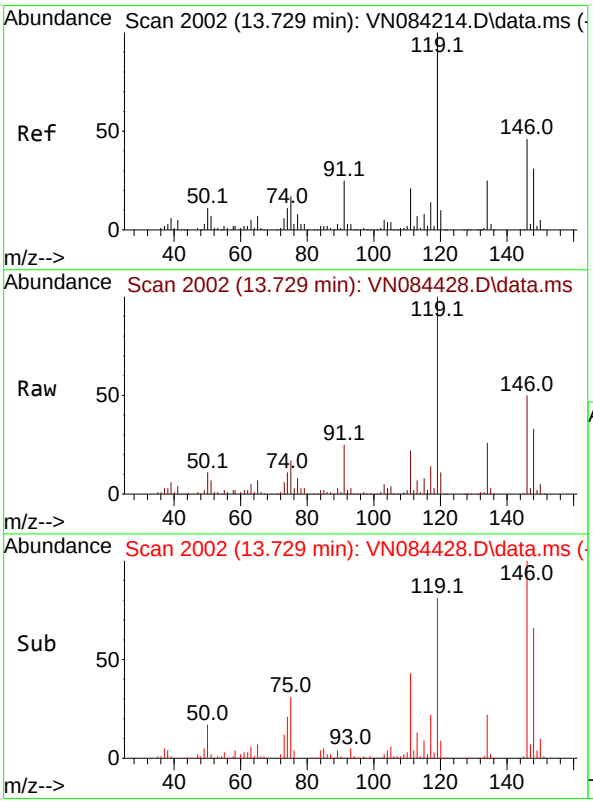
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

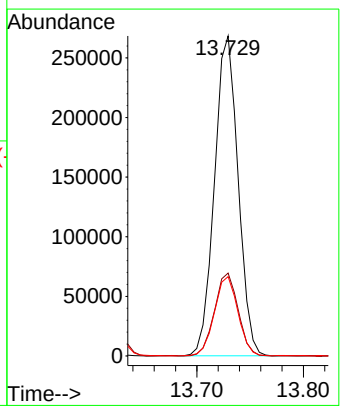
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

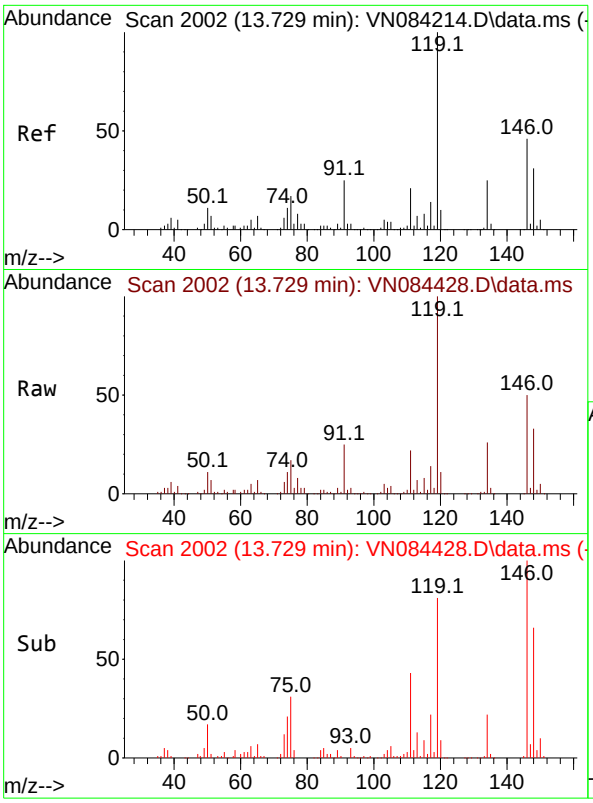


#86
p-Isopropyltoluene
Concen: 52.906 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:119 Resp: 412249

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	24.7	12.4	37.2

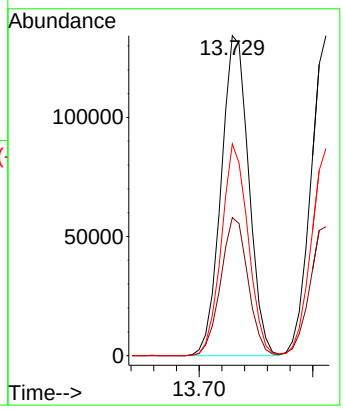




#87
1,3-Dichlorobenzene
Concen: 51.493 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:146 Resp: 22695

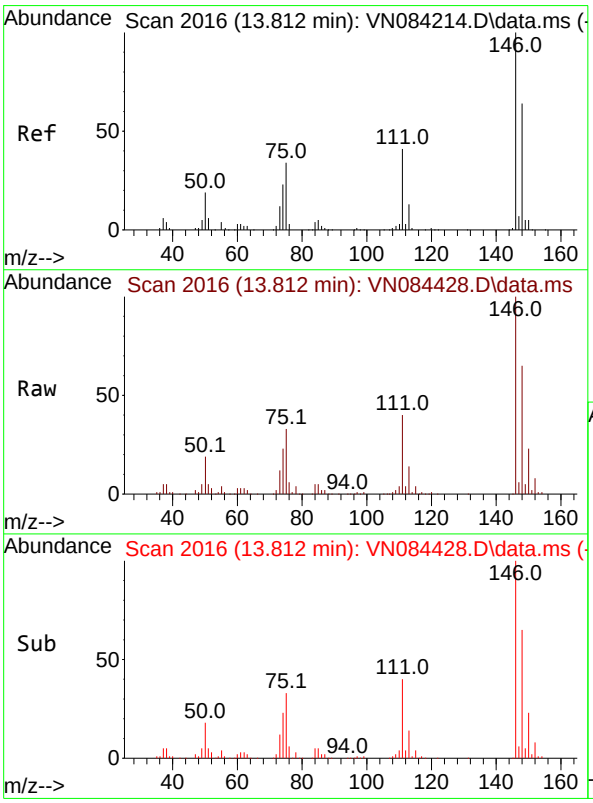
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

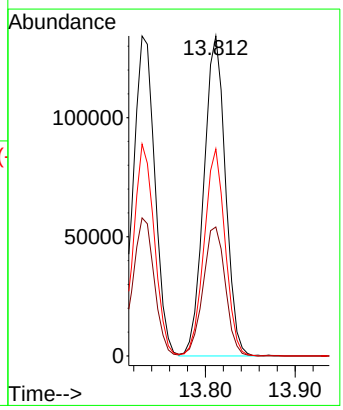
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

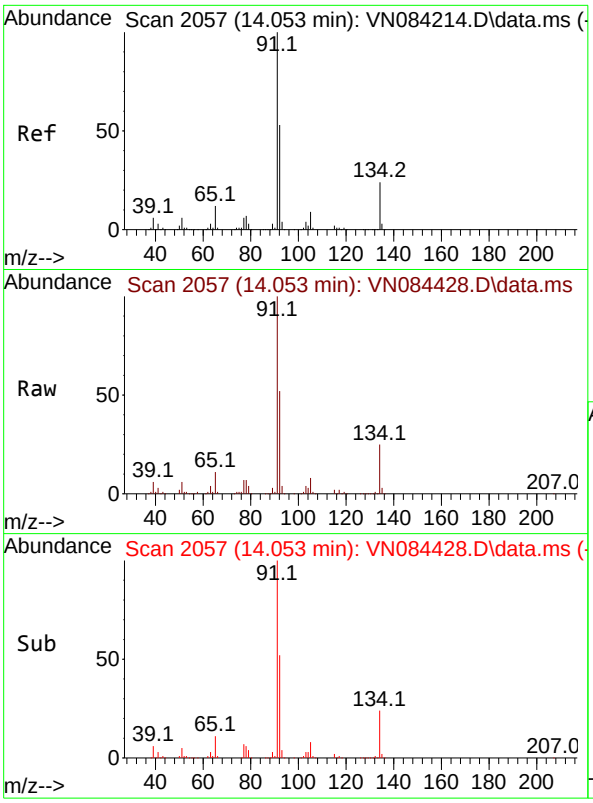


#88
1,4-Dichlorobenzene
Concen: 50.322 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:146 Resp: 223977

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	63.1	31.9	95.9





#89
n-Butylbenzene
Concen: 49.495 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

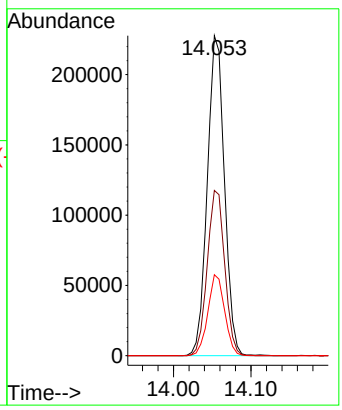
Tgt Ion: 91 Resp: 34970

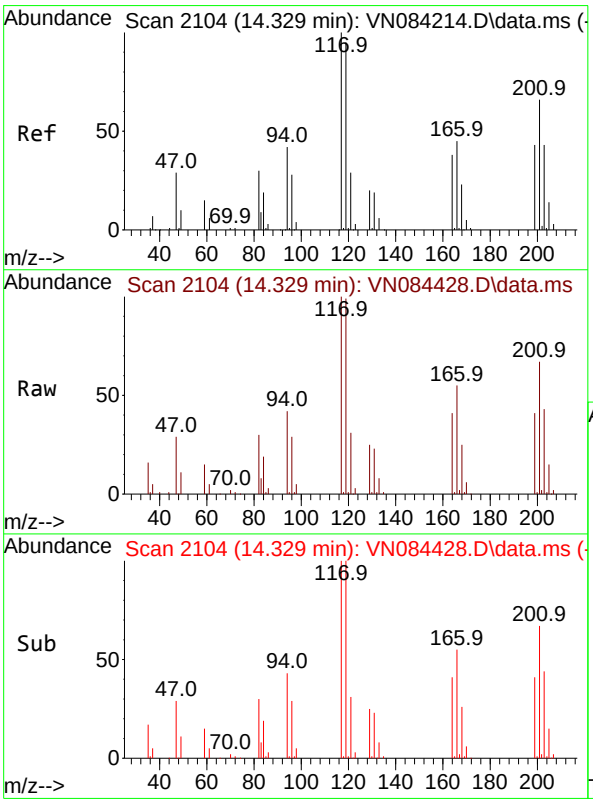
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	24.9	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

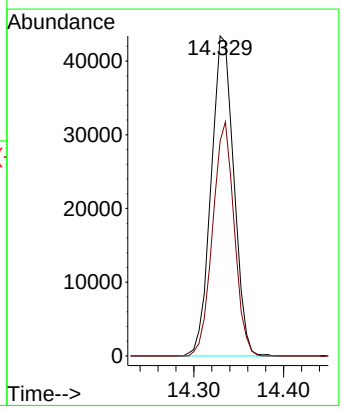


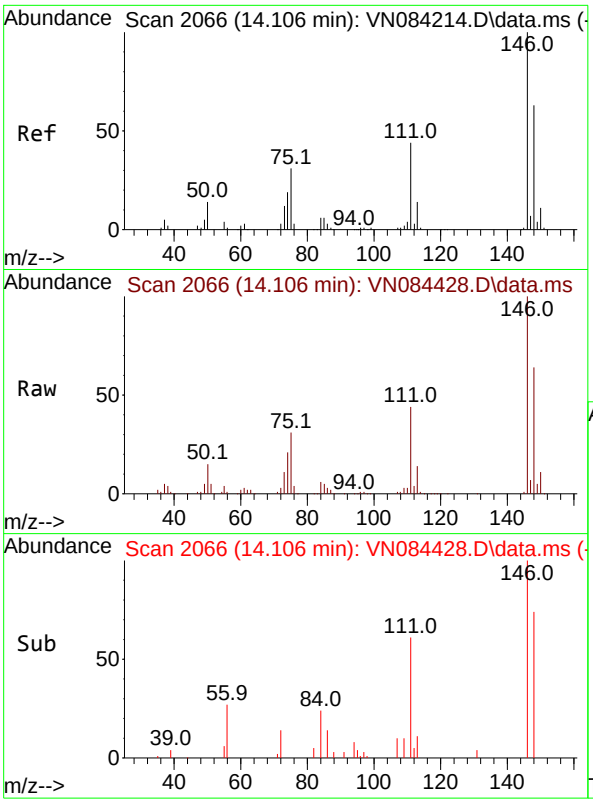


#90
Hexachloroethane
Concen: 48.204 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:117 Resp: 76242

Ion	Ratio	Lower	Upper
117	100		
201	69.3	34.4	103.2

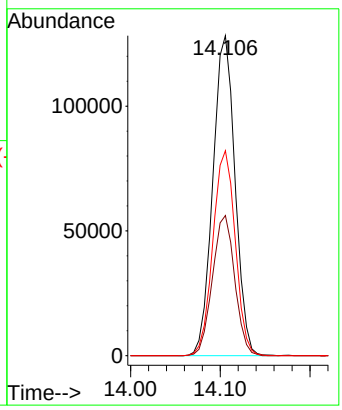




#91
1,2-Dichlorobenzene
Concen: 50.991 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:146 Resp: 22037

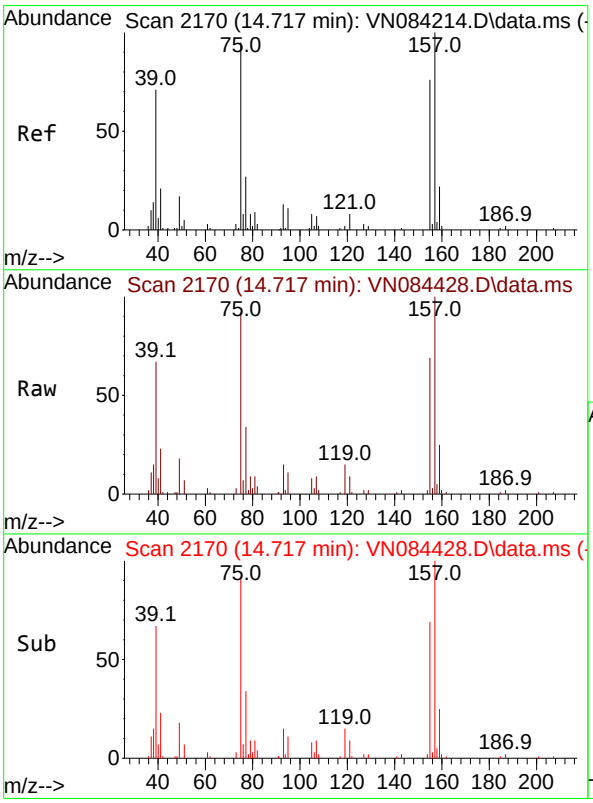
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.4	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

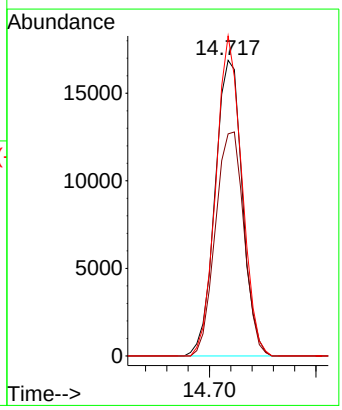
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

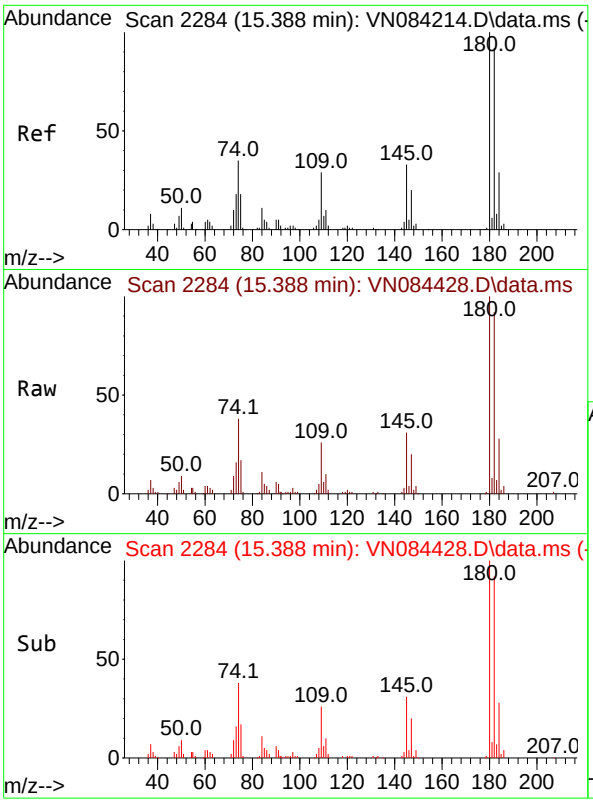


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.657 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 30011

Ion	Ratio	Lower	Upper
75	100		
155	79.3	38.1	114.5
157	102.7	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 51.373 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

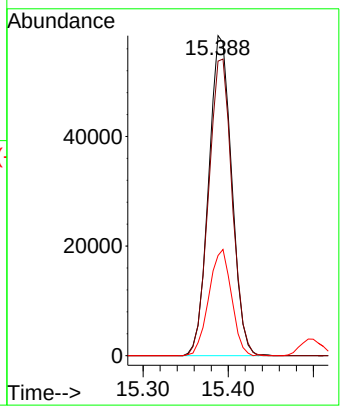
Tgt Ion:180 Resp: 10935

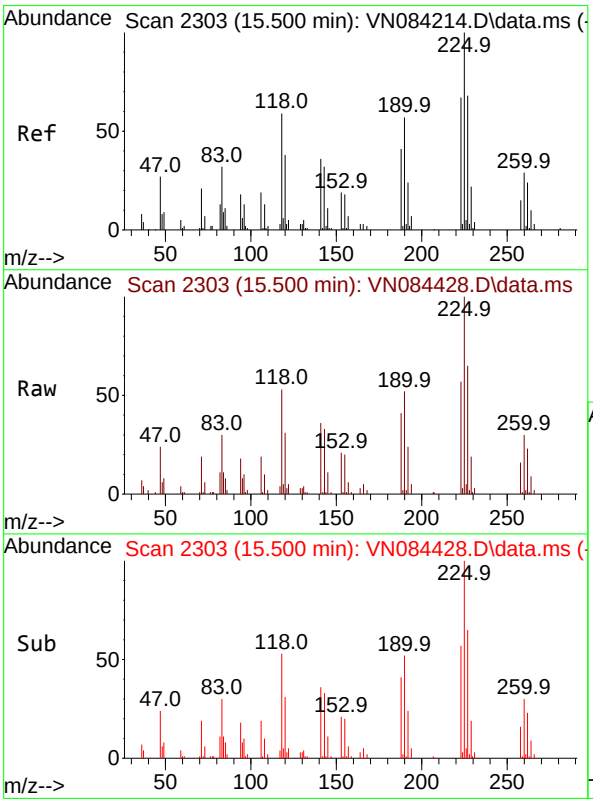
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	32.7	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

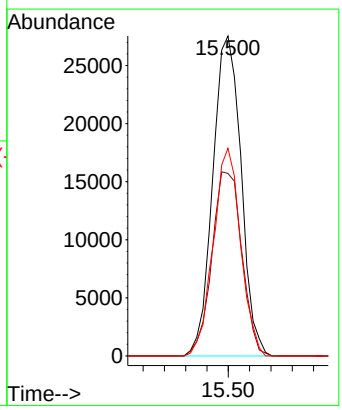


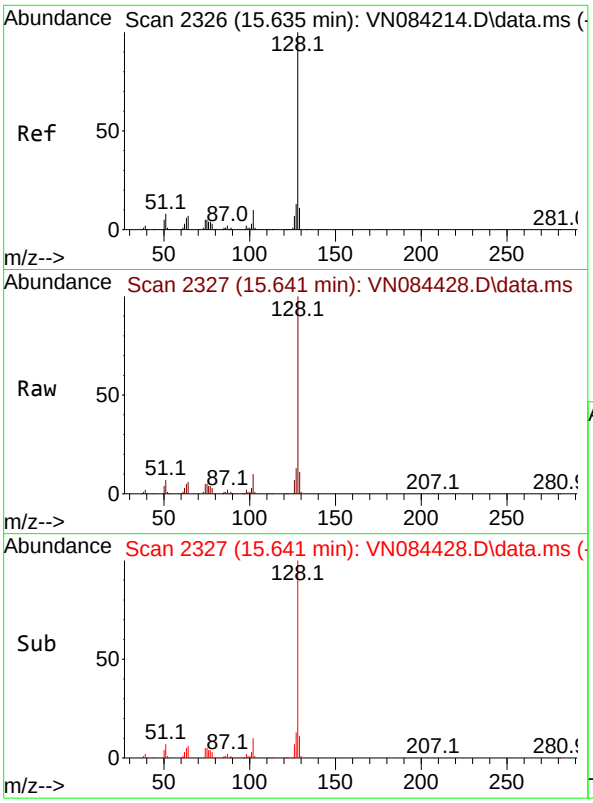


#94
Hexachlorobutadiene
Concen: 47.838 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:225 Resp: 50783

Ion	Ratio	Lower	Upper
225	100		
223	60.9	32.4	97.2
227	62.5	32.4	97.0

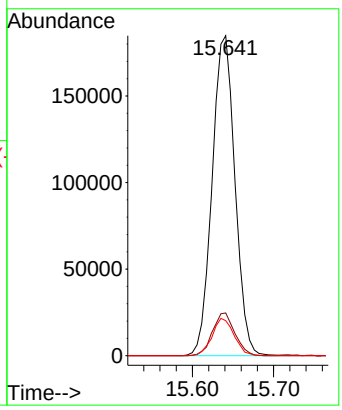




#95
Naphthalene
Concen: 51.214 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:128 Resp: 36141

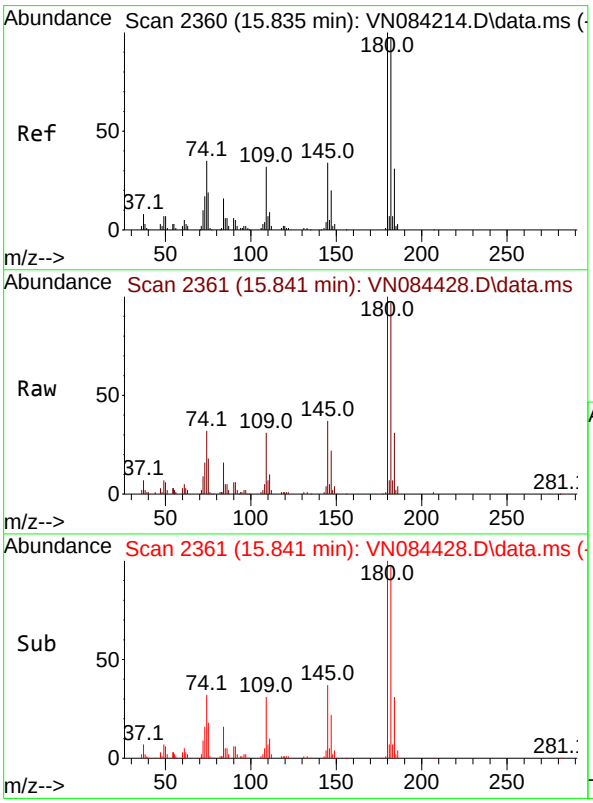
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

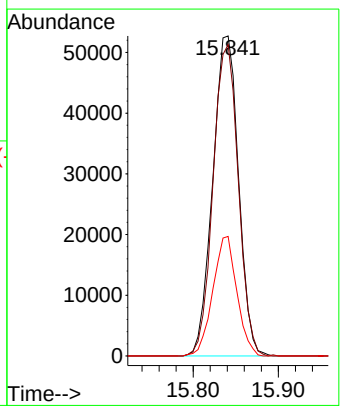
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 52.021 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:180 Resp: 110846

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	34.9	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	90	0.00
2	T	Dichlorodifluoromethane	0.591	0.529	10.5	77	0.00
3	P	Chloromethane	0.675	0.602	10.8	80	0.00
4	C	Vinyl Chloride	0.654	0.597	8.7#	80	0.00
5	T	Bromomethane	0.431	0.370	14.2	77	-0.02
6	T	Chloroethane	0.468	0.401	14.3	86	-0.01
7	T	Trichlorofluoromethane	1.019	1.044	-2.5	88	0.00
8	T	Diethyl Ether	0.378	0.377	0.3	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.603	-3.3	92	0.00
10	T	Methyl Iodide	0.752	0.739	1.7	82	-0.01
11	T	Tert butyl alcohol	0.122	0.120	1.6	87	0.00
12	CM	1,1-Dichloroethene	0.563	0.566	-0.5#	87	0.00
13	T	Acrolein	0.140	0.108	22.9	68	0.00
14	T	Allyl chloride	0.978	0.853	12.8	77	0.00
15	T	Acrylonitrile	0.309	0.350	-13.3	99	0.00
16	T	Acetone	0.318	0.317	0.3	83	0.00
17	T	Carbon Disulfide	1.782	1.424	20.1	74	0.00
18	T	Methyl Acetate	0.694	0.915	-31.8#	116	0.00
19	T	Methyl tert-butyl Ether	1.900	2.031	-6.9	90	0.00
20	T	Methylene Chloride	0.647	0.671	-3.7	92	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.593	-0.5	86	0.00
22	T	Diisopropyl ether	2.022	2.142	-5.9	89	0.00
23	T	Vinyl Acetate	1.500	1.514	-0.9	82	0.00
24	P	1,1-Dichloroethane	1.131	1.189	-5.1	89	0.00
25	T	2-Butanone	0.434	0.467	-7.6	93	0.00
26	T	2,2-Dichloropropane	1.020	1.014	0.6	84	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.752	-5.5	91	0.00
28	T	Bromochloromethane	0.505	0.533	-5.5	97	0.00
29	T	Tetrahydrofuran	0.268	0.303	-13.1	96	0.00
30	C	Chloroform	1.175	1.280	-8.9#	95	0.00
31	T	Cyclohexane	1.098	0.959	12.7	81	0.00
32	T	1,1,1-Trichloroethane	1.055	1.115	-5.7	91	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.791	-6.7	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.330	0.387	-17.3	103	0.00
36	T	1,1-Dichloropropene	0.479	0.498	-4.0	85	0.00
37	T	Ethyl Acetate	0.491	0.522	-6.3	90	0.00
38	T	Carbon Tetrachloride	0.525	0.569	-8.4	90	0.00
39	T	Methylcyclohexane	0.533	0.522	2.1	77	0.00
40	TM	Benzene	1.492	1.635	-9.6	91	0.00
41	T	Methacrylonitrile	0.267	0.301	-12.7	91	0.00
42	TM	1,2-Dichloroethane	0.506	0.549	-8.5	90	0.00
43	T	Isopropyl Acetate	0.962	0.889	7.6	86	0.00
44	TM	Trichloroethene	0.348	0.375	-7.8	89	0.00
45	C	1,2-Dichloropropane	0.353	0.401	-13.6#	92	0.00
46	T	Dibromomethane	0.238	0.284	-19.3	95	0.00
47	T	Bromodichloromethane	0.529	0.606	-14.6	94	0.00
48	T	Methyl methacrylate	0.383	0.429	-12.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	0.009	-28.6#	105	0.00
50	S	Toluene-d8	1.213	1.431	-18.0	100	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.576	-23.1	98	0.00
52	CM	Toluene	0.910	1.023	-12.4#	91	0.00
53	T	t-1,3-Dichloropropene	0.539	0.601	-11.5	88	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.651	-12.2	88	0.00
55	T	1,1,2-Trichloroethane	0.326	0.397	-21.8	98	0.00
56	T	Ethyl methacrylate	0.537	0.626	-16.6	90	0.00
57	T	1,3-Dichloropropane	0.583	0.672	-15.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.303	-21.7	93	0.00
59	T	2-Hexanone	0.349	0.426	-22.1	95	0.00
60	T	Dibromochloromethane	0.385	0.466	-21.0	96	0.00
61	T	1,2-Dibromoethane	0.339	0.388	-14.5	94	0.00
62	S	4-Bromofluorobenzene	0.442	0.522	-18.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.348	0.366	-5.2	94	0.00
65	PM	Chlorobenzene	1.109	1.181	-6.5	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.424	-11.0	97	0.00
67	C	Ethyl Benzene	1.961	2.070	-5.6#	90	0.00
68	T	m/p-Xylenes	0.725	0.807	-11.3	92	0.00
69	T	o-Xylene	0.686	0.765	-11.5	91	0.00
70	T	Styrene	1.162	1.354	-16.5	95	0.00
71	P	Bromoform	0.281	0.332	-18.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.815	3.797	0.5	92	0.00
74	T	N-amyl acetate	1.728	1.601	7.3	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.198	-4.4	101	0.00
76	T	1,2,3-Trichloropropane	1.021	0.997	2.4	89	0.00
77	T	Bromobenzene	0.920	0.932	-1.3	98	0.00
78	T	n-propylbenzene	4.421	4.518	-2.2	92	0.00
79	T	2-Chlorotoluene	2.821	2.779	1.5	92	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.265	-4.9	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.458	-7.5	102	0.00
82	T	4-Chlorotoluene	2.840	2.855	-0.5	94	0.00
83	T	tert-Butylbenzene	2.766	2.759	0.3	91	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.306	-5.5	94	0.00
85	T	sec-Butylbenzene	3.691	3.856	-4.5	93	0.00
86	T	p-Isopropyltoluene	3.052	3.230	-5.8	92	0.00
87	T	1,3-Dichlorobenzene	1.727	1.778	-3.0	99	0.00
88	T	1,4-Dichlorobenzene	1.744	1.755	-0.6	98	0.00
89	T	n-Butylbenzene	2.768	2.740	1.0	89	0.00
90	T	Hexachloroethane	0.620	0.597	3.7	93	0.00
91	T	1,2-Dichlorobenzene	1.693	1.727	-2.0	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.235	0.8	99	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.857	-2.8	92	0.00
94	T	Hexachlorobutadiene	0.416	0.398	4.3	100	0.00
95	T	Naphthalene	2.764	2.832	-2.5	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	0.868	-4.0	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	90	0.00
2	T	Dichlorodifluoromethane	50.000	44.759	10.5	77	0.00
3	P	Chloromethane	50.000	44.550	10.9	80	0.00
4	C	Vinyl Chloride	50.000	45.660	8.7#	80	0.00
5	T	Bromomethane	50.000	42.866	14.3	77	-0.02
6	T	Chloroethane	50.000	42.808	14.4	86	-0.01
7	T	Trichlorofluoromethane	50.000	51.224	-2.4	88	0.00
8	T	Diethyl Ether	50.000	49.902	0.2	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.670	-3.3	92	0.00
10	T	Methyl Iodide	50.000	49.171	1.7	82	-0.01
11	T	Tert butyl alcohol	250.000	245.606	1.8	87	0.00
12	CM	1,1-Dichloroethene	50.000	50.300	-0.6#	87	0.00
13	T	Acrolein	250.000	192.843	22.9	68	0.00
14	T	Allyl chloride	50.000	43.643	12.7	77	0.00
15	T	Acrylonitrile	250.000	283.386	-13.4	99	0.00
16	T	Acetone	250.000	248.905	0.4	83	0.00
17	T	Carbon Disulfide	50.000	39.937	20.1	74	0.00
18	T	Methyl Acetate	50.000	65.900	-31.8#	116	0.00
19	T	Methyl tert-butyl Ether	50.000	53.457	-6.9	90	0.00
20	T	Methylene Chloride	50.000	51.787	-3.6	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.278	-0.6	86	0.00
22	T	Diisopropyl ether	50.000	52.949	-5.9	89	0.00
23	T	Vinyl Acetate	250.000	252.258	-0.9	82	0.00
24	P	1,1-Dichloroethane	50.000	52.570	-5.1	89	0.00
25	T	2-Butanone	250.000	269.013	-7.6	93	0.00
26	T	2,2-Dichloropropane	50.000	49.738	0.5	84	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.728	-5.5	91	0.00
28	T	Bromochloromethane	50.000	52.836	-5.7	97	0.00
29	T	Tetrahydrofuran	250.000	283.258	-13.3	96	0.00
30	C	Chloroform	50.000	54.476	-9.0#	95	0.00
31	T	Cyclohexane	50.000	43.659	12.7	81	0.00
32	T	1,1,1-Trichloroethane	50.000	52.830	-5.7	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.365	-6.7	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	58.729	-17.5	103	0.00
36	T	1,1-Dichloropropene	50.000	52.021	-4.0	85	0.00
37	T	Ethyl Acetate	50.000	53.172	-6.3	90	0.00
38	T	Carbon Tetrachloride	50.000	54.202	-8.4	90	0.00
39	T	Methylcyclohexane	50.000	48.955	2.1	77	0.00
40	TM	Benzene	50.000	54.796	-9.6	91	0.00
41	T	Methacrylonitrile	50.000	56.424	-12.8	91	0.00
42	TM	1,2-Dichloroethane	50.000	54.240	-8.5	90	0.00
43	T	Isopropyl Acetate	50.000	46.197	7.6	86	0.00
44	TM	Trichloroethene	50.000	53.784	-7.6	89	0.00
45	C	1,2-Dichloropropane	50.000	56.873	-13.7#	92	0.00
46	T	Dibromomethane	50.000	59.706	-19.4	95	0.00
47	T	Bromodichloromethane	50.000	57.235	-14.5	94	0.00
48	T	Methyl methacrylate	50.000	55.960	-11.9	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	1259.594	-26.0#	105	0.00
50	S	Toluene-d8	50.000	59.014	-18.0	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	308.066	-23.2	98	0.00
52	CM	Toluene	50.000	56.231	-12.5#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	55.712	-11.4	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.089	-12.2	88	0.00
55	T	1,1,2-Trichloroethane	50.000	60.910	-21.8	98	0.00
56	T	Ethyl methacrylate	50.000	58.283	-16.6	90	0.00
57	T	1,3-Dichloropropane	50.000	57.670	-15.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	303.996	-21.6	93	0.00
59	T	2-Hexanone	250.000	304.908	-22.0	95	0.00
60	T	Dibromochloromethane	50.000	60.458	-20.9	96	0.00
61	T	1,2-Dibromoethane	50.000	57.274	-14.5	94	0.00
62	S	4-Bromofluorobenzene	50.000	59.102	-18.2	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	52.523	-5.0	94	0.00
65	PM	Chlorobenzene	50.000	53.283	-6.6	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.468	-10.9	97	0.00
67	C	Ethyl Benzene	50.000	52.799	-5.6#	90	0.00
68	T	m/p-Xylenes	100.000	111.301	-11.3	92	0.00
69	T	o-Xylene	50.000	55.767	-11.5	91	0.00
70	T	Styrene	50.000	58.246	-16.5	95	0.00
71	P	Bromoform	50.000	59.072	-18.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	49.760	0.5	92	0.00
74	T	N-amyl acetate	50.000	46.332	7.3	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.226	-4.5	101	0.00
76	T	1,2,3-Trichloropropane	50.000	48.846	2.3	89	0.00
77	T	Bromobenzene	50.000	50.631	-1.3	98	0.00
78	T	n-propylbenzene	50.000	51.101	-2.2	92	0.00
79	T	2-Chlorotoluene	50.000	49.256	1.5	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.460	-4.9	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.835	-7.7	102	0.00
82	T	4-Chlorotoluene	50.000	50.275	-0.5	94	0.00
83	T	tert-Butylbenzene	50.000	49.862	0.3	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.722	-5.4	94	0.00
85	T	sec-Butylbenzene	50.000	52.226	-4.5	93	0.00
86	T	p-Isopropyltoluene	50.000	52.906	-5.8	92	0.00
87	T	1,3-Dichlorobenzene	50.000	51.493	-3.0	99	0.00
88	T	1,4-Dichlorobenzene	50.000	50.322	-0.6	98	0.00
89	T	n-Butylbenzene	50.000	49.495	1.0	89	0.00
90	T	Hexachloroethane	50.000	48.204	3.6	93	0.00
91	T	1,2-Dichlorobenzene	50.000	50.991	-2.0	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.657	0.7	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.373	-2.7	92	0.00
94	T	Hexachlorobutadiene	50.000	47.838	4.3	100	0.00
95	T	Naphthalene	50.000	51.214	-2.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	52.021	-4.0	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.: P4438 SAS No.: P4438 SDG No.: P4438

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 20:04

Lab File ID: VN084448.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	0.575	0.1	-14.81	50
Vinyl Chloride	0.654	0.580		-11.31	50
Bromomethane	0.431	0.354		-17.86	50
Chloroethane	0.468	0.379		-19.02	50
Trichlorofluoromethane	1.019	0.994		-2.45	50
1,1,2-Trichlorotrifluoroethane	0.584	0.582		-0.34	50
1,1-Dichloroethene	0.563	0.556		-1.24	50
Acetone	0.318	0.255		-19.81	50
Carbon Disulfide	1.782	1.354		-24.02	50
Methyl tert-butyl Ether	1.900	1.972		3.79	50
Methylene Chloride	0.647	0.658		1.7	50
trans-1,2-Dichloroethene	0.590	0.582		-1.36	50
1,1-Dichloroethane	1.131	1.157	0.1	2.3	50
2-Butanone	0.434	0.406		-6.45	50
Carbon Tetrachloride	0.525	0.534		1.71	50
cis-1,2-Dichloroethene	0.713	0.722		1.26	50
Chloroform	1.175	1.226		4.34	50
1,1,1-Trichloroethane	1.055	1.082		2.56	50
Methylcyclohexane	0.533	0.493		-7.51	50
Benzene	1.492	1.520		1.88	50
1,2-Dichloroethane	0.506	0.507		0.2	50
Trichloroethene	0.348	0.353		1.44	50
1,2-Dichloropropane	0.353	0.379		7.36	50
Bromodichloromethane	0.529	0.566		6.99	50
4-Methyl-2-Pentanone	0.468	0.503		7.48	50
Toluene	0.910	0.953		4.72	50
t-1,3-Dichloropropene	0.539	0.551		2.23	50
cis-1,3-Dichloropropene	0.580	0.604		4.14	50
1,1,2-Trichloroethane	0.326	0.361		10.74	50
2-Hexanone	0.349	0.364		4.3	50
Dibromochloromethane	0.385	0.434		12.73	50
Tetrachloroethene	0.348	0.341		-2.01	50
Chlorobenzene	1.109	1.111	0.3	0.18	50
Ethyl Benzene	1.961	2.021		3.06	50
m/p-Xylenes	0.725	0.758		4.55	50
o-Xylene	0.686	0.734		7	50
Styrene	1.162	1.285		10.59	50
Bromoform	0.281	0.306	0.1	8.9	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.: P4438 SAS No.: P4438 SDG No.: P4438

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 20:04

Lab File ID: VN084448.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	3.702		-2.96	50
1,1,2,2-Tetrachloroethane	1.147	1.151	0.3	0.35	50
1,3-Dichlorobenzene	1.727	1.669		-3.36	50
1,4-Dichlorobenzene	1.744	1.676		-3.9	50
1,2-Dichlorobenzene	1.693	1.649		-2.6	50
1,2-Dichloroethane-d4	0.741	0.710		-4.18	50
Dibromofluoromethane	0.330	0.343		3.94	50
Toluene-d8	1.213	1.259		3.79	50
4-Bromofluorobenzene	0.442	0.461		4.3	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\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 22 01:42:17 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 :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116690	47.911	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.820%			
35) Dibromofluoromethane	8.165	113	96698	52.045	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	10.565	98	354860	51.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.847	95	129892	52.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	84821	43.654	ug/l	94
3) Chloromethane	2.359	50	94401	42.550	ug/l	96
4) Vinyl Chloride	2.512	62	95237	44.316	ug/l	100
5) Bromomethane	2.942	94	58167	41.035	ug/l	96
6) Chloroethane	3.112	64	62275	40.462	ug/l	98
7) Trichlorofluoromethane	3.495	101	163261	48.786	ug/l	97
8) Diethyl Ether	3.959	74	60533	48.772	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	95561	49.837	ug/l	99
10) Methyl Iodide	4.589	142	118118	47.834	ug/l	98
11) Tert butyl alcohol	5.518	59	84056	209.300	ug/l	100
12) 1,1-Dichloroethene	4.336	96	91278	49.352	ug/l	98
13) Acrolein	4.183	56	86128	186.809	ug/l	98
14) Allyl chloride	5.024	41	140602	43.772	ug/l	98
15) Acrylonitrile	5.718	53	264703	261.006	ug/l	98
16) Acetone	4.430	43	209499	200.235	ug/l	97
17) Carbon Disulfide	4.712	76	222486	37.994	ug/l	99
18) Methyl Acetate	5.024	43	135697	59.505	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	323965	51.897	ug/l	99
20) Methylene Chloride	5.277	84	108136	50.844	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	95558	49.315	ug/l	98
22) Diisopropyl ether	6.671	45	344689	51.879	ug/l	99
23) Vinyl Acetate	6.600	43	1175888	238.618	ug/l	100
24) 1,1-Dichloroethane	6.571	63	190033	51.145	ug/l	98
25) 2-Butanone	7.483	43	333066	233.725	ug/l	99
26) 2,2-Dichloropropane	7.494	77	149770	44.706	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	118609	50.655	ug/l	97
28) Bromochloromethane	7.812	49	78703	47.474	ug/l	97
29) Tetrahydrofuran	7.841	42	221138	251.461	ug/l	97
30) Chloroform	7.965	83	201338	52.167	ug/l	100
31) Cyclohexane	8.259	56	153399	42.521	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	177818	51.300	ug/l	99
36) 1,1-Dichloropropene	8.371	75	133081	49.312	ug/l	98
37) Ethyl Acetate	7.559	43	133124	48.082	ug/l	99
38) Carbon Tetrachloride	8.359	117	150440	50.818	ug/l	97
39) Methylcyclohexane	9.600	83	138930	46.254	ug/l	99
40) Benzene	8.606	78	428332	50.941	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 22 01:42:17 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 :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.783	41	76939	51.187 ug/l		97
42) 1,2-Dichloroethane	8.671	62	142985	50.160 ug/l		98
43) Isopropyl Acetate	8.688	43	229980	42.408 ug/l		99
44) Trichloroethene	9.353	130	99355	50.592 ug/l		99
45) 1,2-Dichloropropane	9.618	63	106710	53.648 ug/l		97
46) Dibromomethane	9.706	93	74783	55.712 ug/l		99
47) Bromodichloromethane	9.888	83	159633	53.528 ug/l		98
48) Methyl methacrylate	9.682	41	109772	50.850 ug/l		99
49) 1,4-Dioxane	9.694	88	39543	994.968 ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	708662	268.874 ug/l		100
52) Toluene	10.629	92	268587	52.382 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	155308	51.089 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	170218	52.057 ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	101779	55.371 ug/l		98
56) Ethyl methacrylate	10.871	69	165318	54.658 ug/l		97
57) 1,3-Dichloropropane	11.159	76	175471	53.424 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	390411	278.254 ug/l		98
59) 2-Hexanone	11.194	43	512990	260.410 ug/l		99
60) Dibromochloromethane	11.359	129	122224	56.277 ug/l		100
61) 1,2-Dibromoethane	11.471	107	100984	52.872 ug/l		100
64) Tetrachloroethene	11.100	164	87525	48.943 ug/l		97
65) Chlorobenzene	11.888	112	285234	50.105 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	104070	53.075 ug/l		99
67) Ethyl Benzene	11.965	91	518810	51.533 ug/l		100
68) m/p-Xylenes	12.070	106	389131	104.492 ug/l		100
69) o-Xylene	12.400	106	188510	53.503 ug/l		99
70) Styrene	12.412	104	329833	55.268 ug/l		99
71) Bromoform	12.576	173	78482	54.365 ug/l	#	97
73) Isopropylbenzene	12.694	105	482626	48.507 ug/l		100
74) N-amyl acetate	12.494	43	205514	45.614 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	150053	50.155 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	140435m	52.758 ug/l		
77) Bromobenzene	12.976	156	118173	49.239 ug/l		94
78) n-propylbenzene	13.035	91	573481	49.748 ug/l		99
79) 2-Chlorotoluene	13.123	91	356393	48.450 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	411332	50.681 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	55404	49.901 ug/l		89
82) 4-Chlorotoluene	13.223	91	360840	48.730 ug/l		99
83) tert-Butylbenzene	13.435	119	352909	48.923 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	416913	50.992 ug/l		100
85) sec-Butylbenzene	13.617	105	482488	50.124 ug/l		100
86) p-Isopropyltoluene	13.729	119	404005	50.755 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	217666	48.345 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	218499	48.056 ug/l		99
89) n-Butylbenzene	14.053	91	342382	47.437 ug/l		99
90) Hexachloroethane	14.335	117	74567	46.151 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	214956	48.690 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28592	46.312 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	105156	48.359 ug/l		99
94) Hexachlorobutadiene	15.500	225	47024	43.364 ug/l		98
95) Naphthalene	15.641	128	338368	46.938 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	103615	47.602 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 22 01:42:17 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 :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

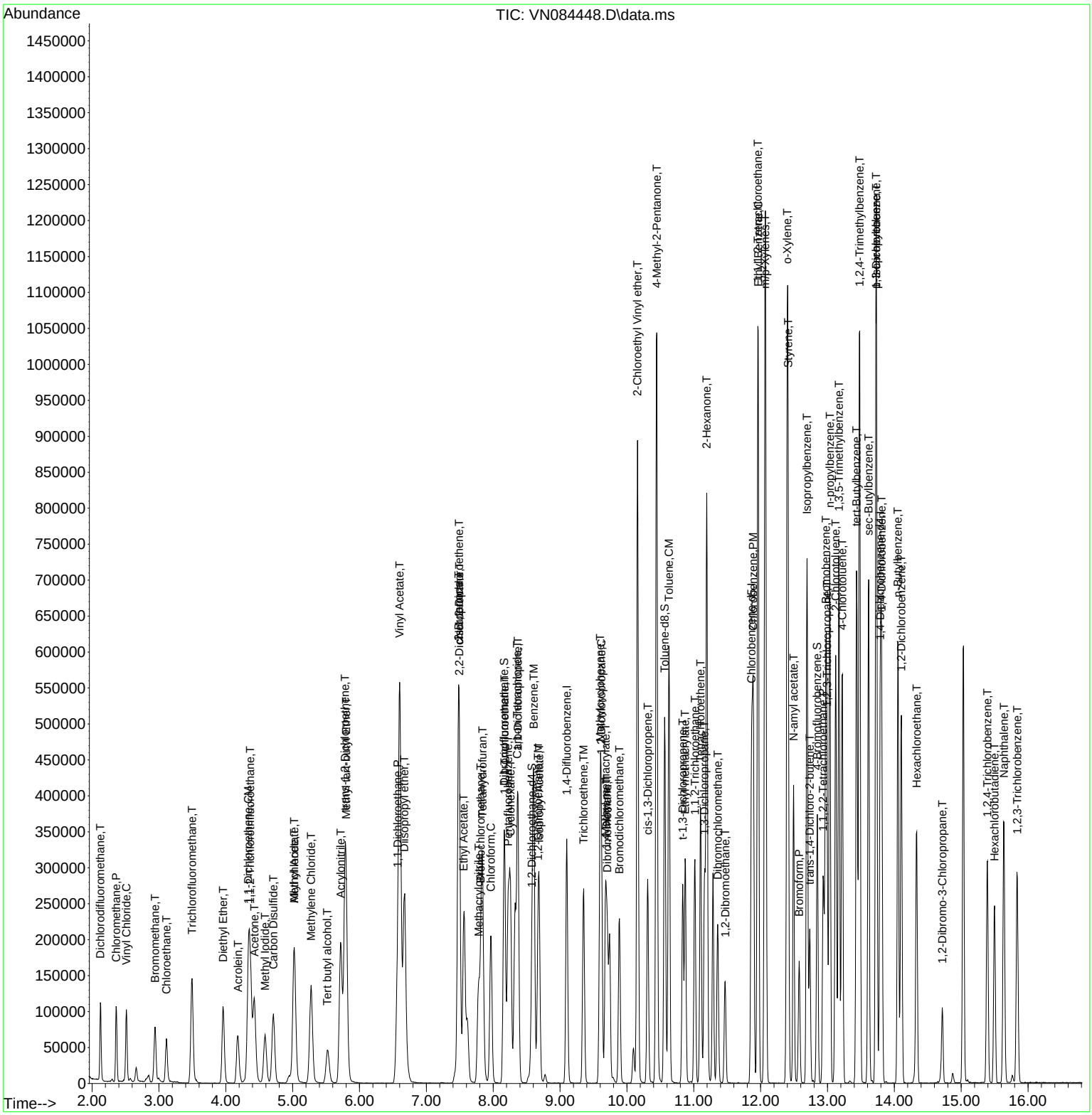
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

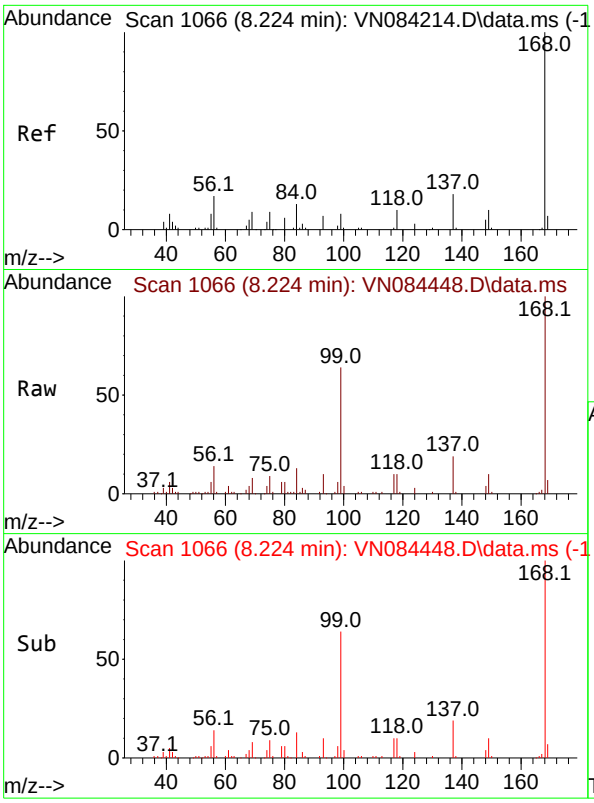
Quant Time: Oct 22 01:42:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

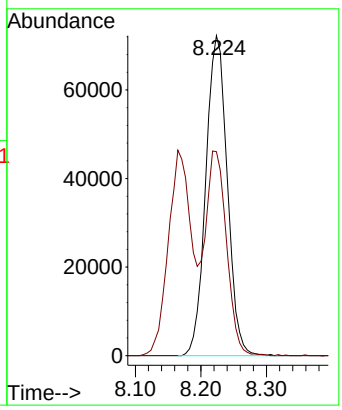




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:168 Resp: 16426

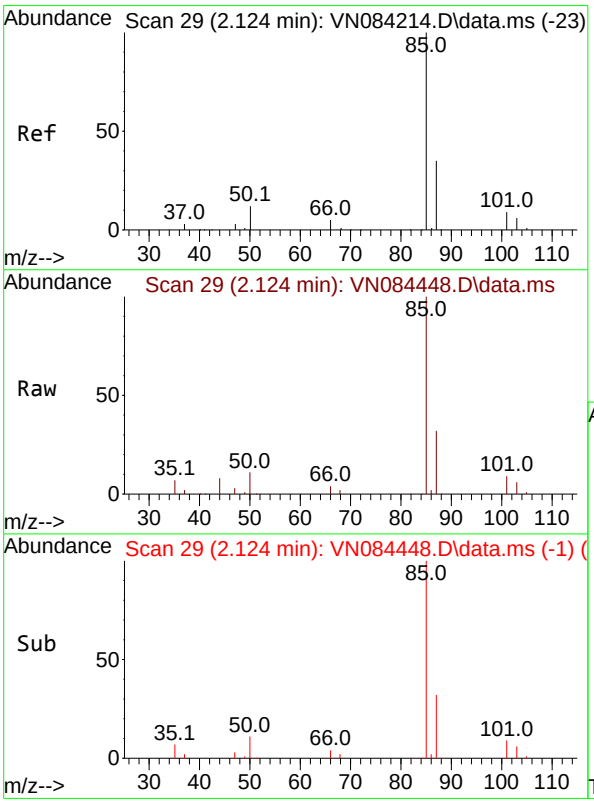
Ion	Ratio	Lower	Upper
168	100		
99	63.4	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

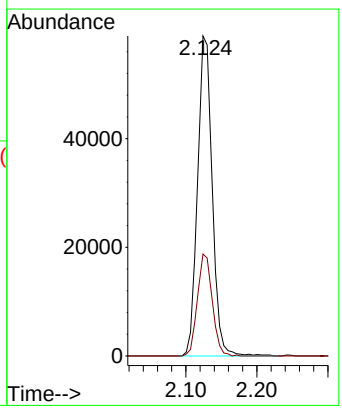
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

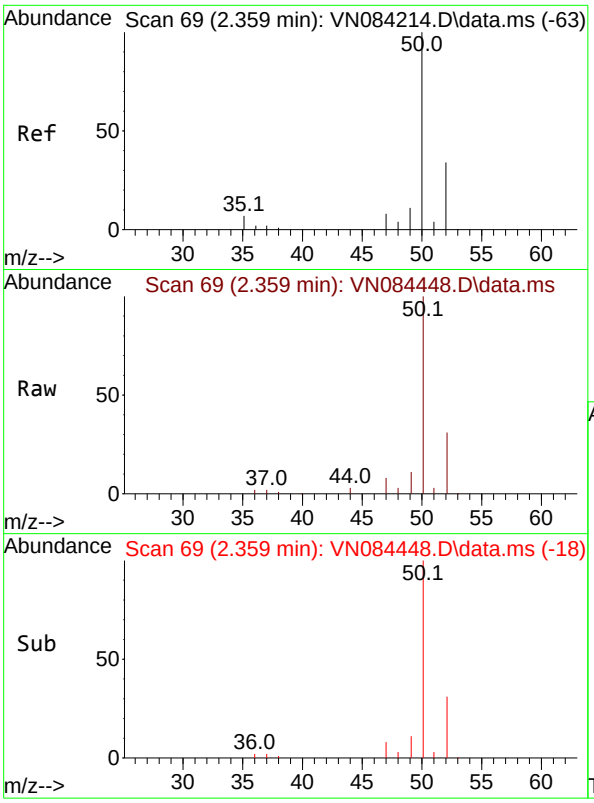


#2
Dichlorodifluoromethane
Concen: 43.654 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 85 Resp: 84821

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9

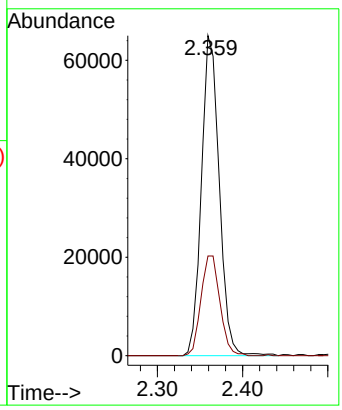




#3
Chloromethane
Concen: 42.550 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 50 Resp: 9440

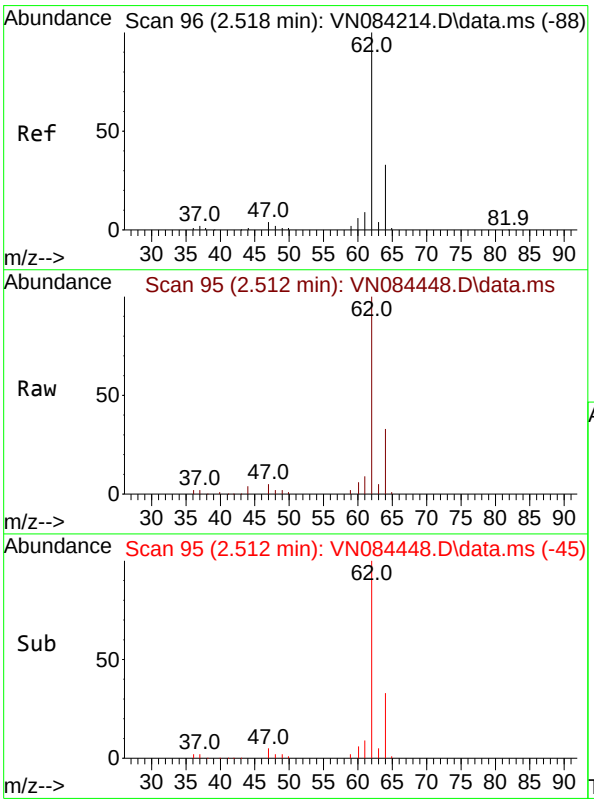
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

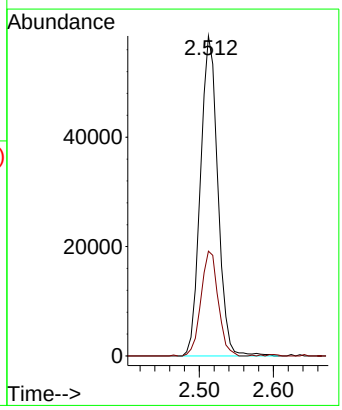
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

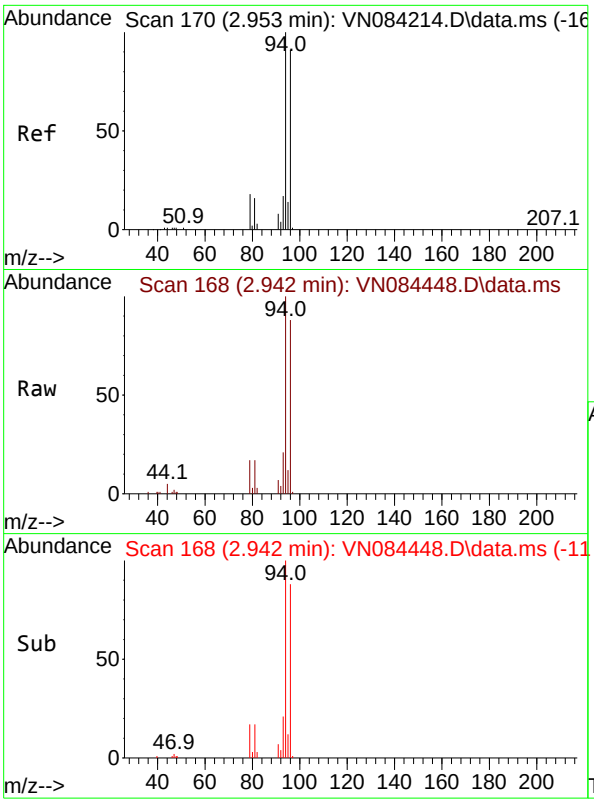


#4
Vinyl Chloride
Concen: 44.316 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 62 Resp: 95237

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

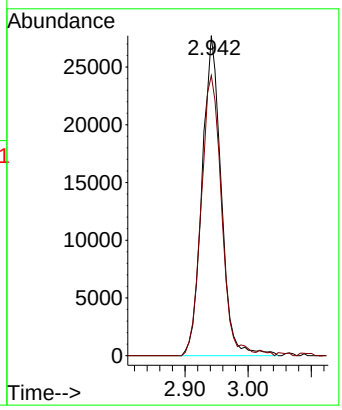




#5
Bromomethane
Concen: 41.035 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 94 Resp: 5816

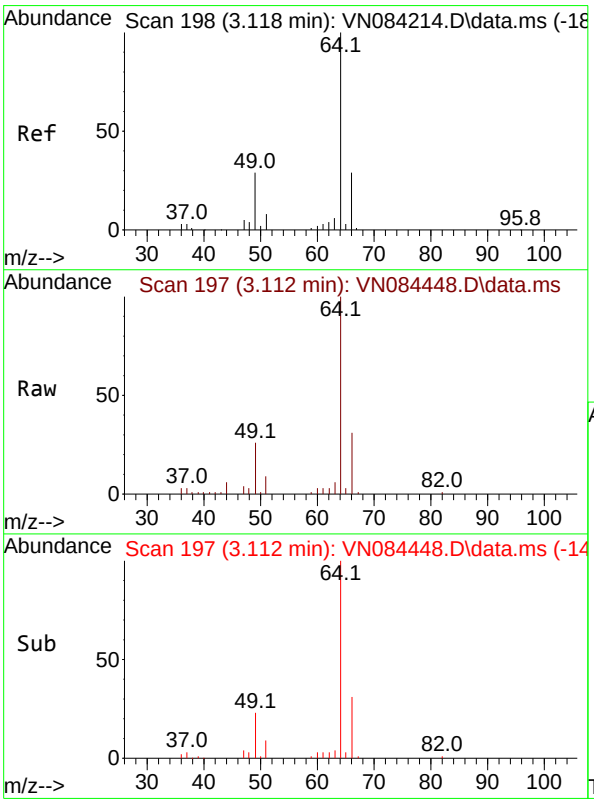
Ion	Ratio	Lower	Upper
94	100		
96	87.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

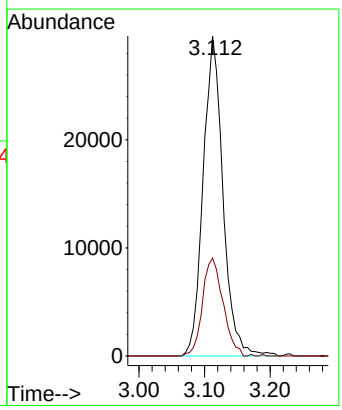
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

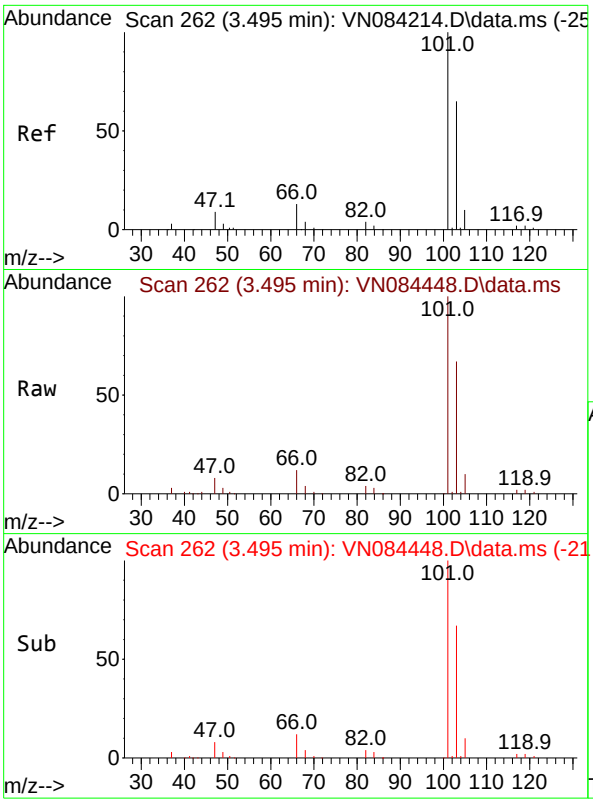


#6
Chloroethane
Concen: 40.462 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 64 Resp: 62275

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3





#7
Trichlorofluoromethane
Concen: 48.786 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

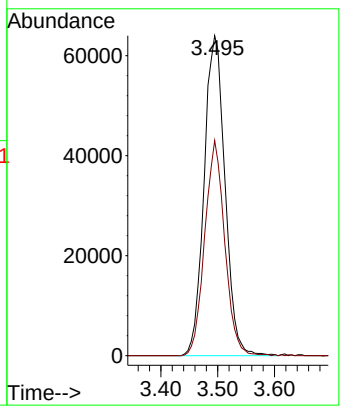
Tgt Ion:101 Resp: 16326

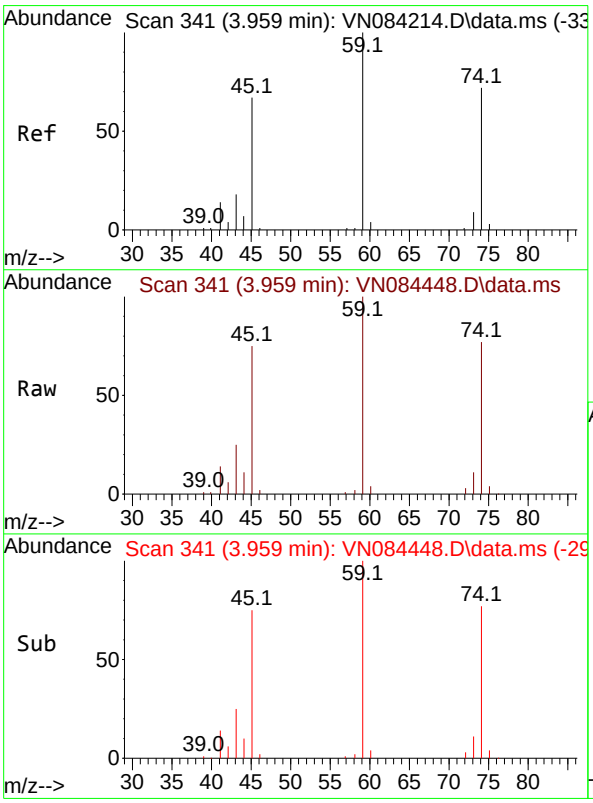
Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.8	77.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

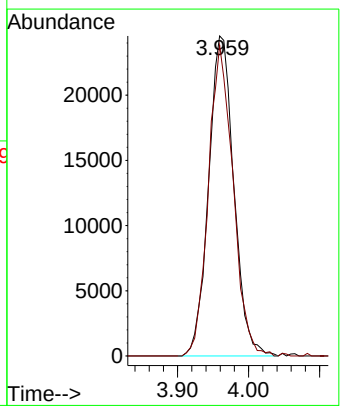


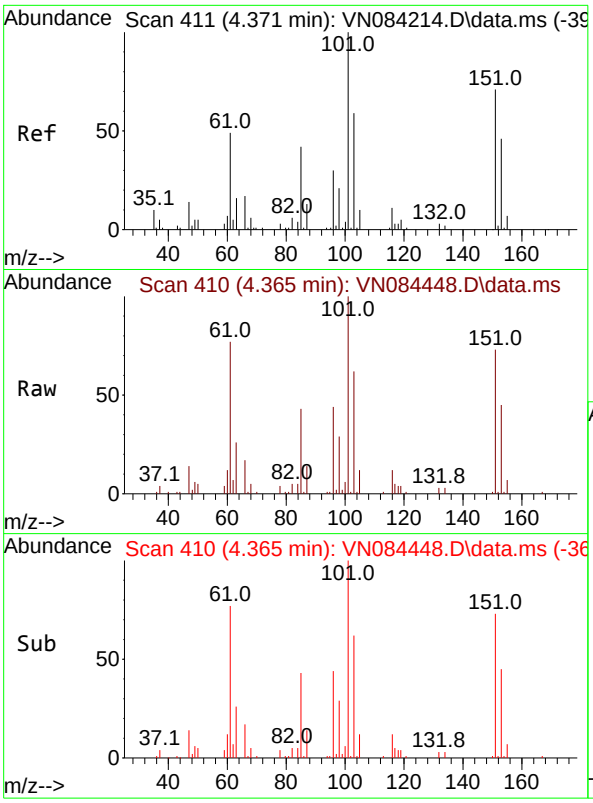


#8
Diethyl Ether
Concen: 48.772 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 74 Resp: 60533

Ion	Ratio	Lower	Upper
74	100		
45	94.9	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.837 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

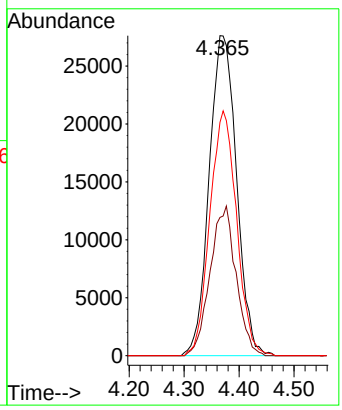
Tgt Ion:101 Resp: 9556

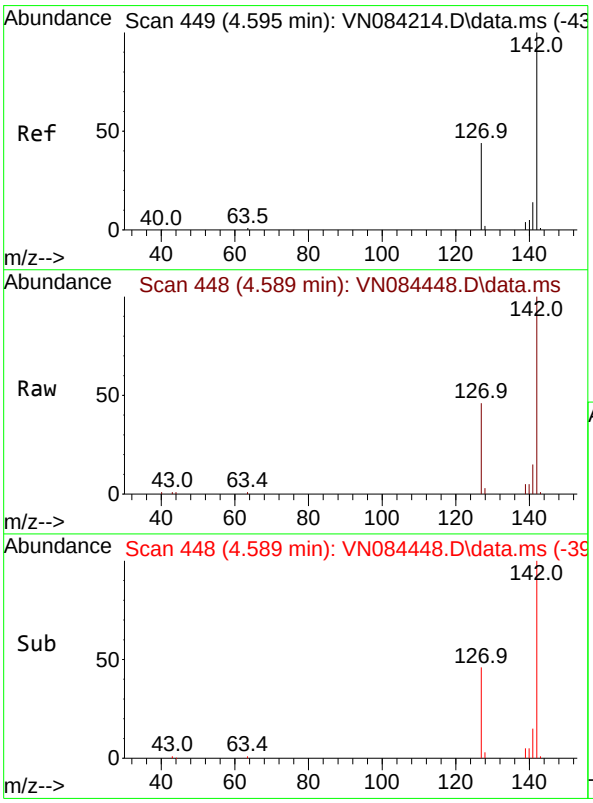
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.8	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

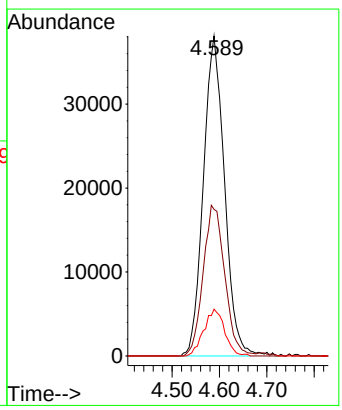


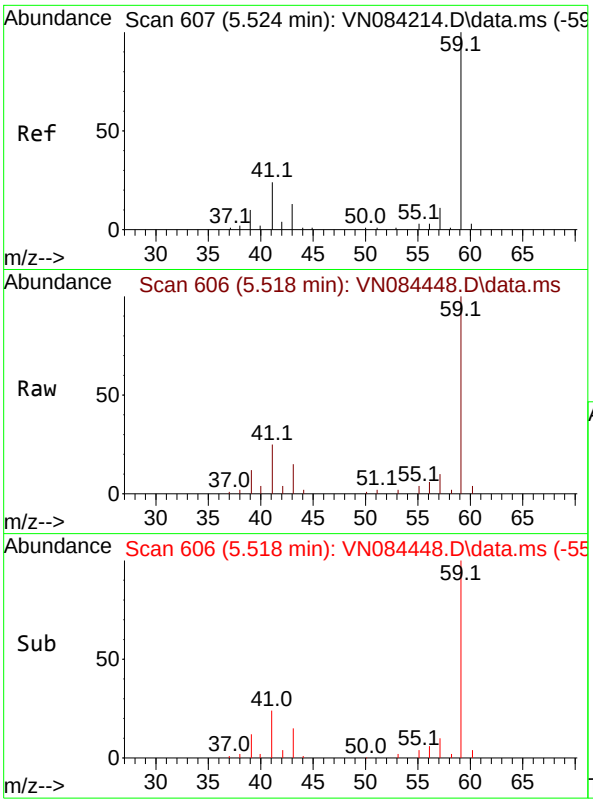


#10
Methyl Iodide
Concen: 47.834 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:142 Resp: 118118

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	14.6	11.0	16.6

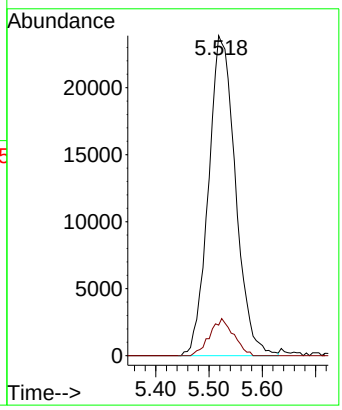




#11
Tert butyl alcohol
Concen: 209.300 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 59 Resp: 8405

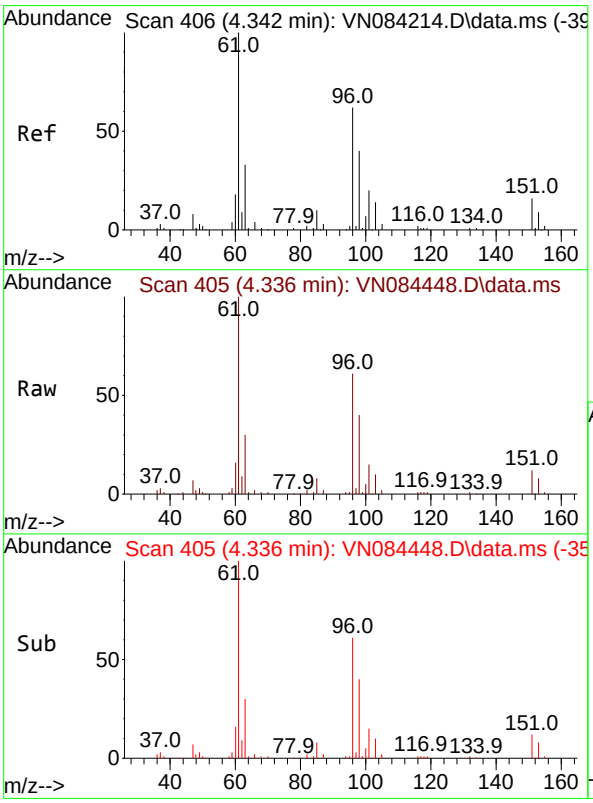
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

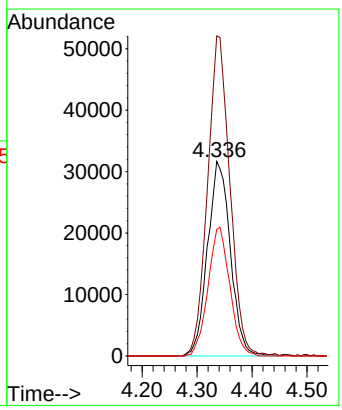
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

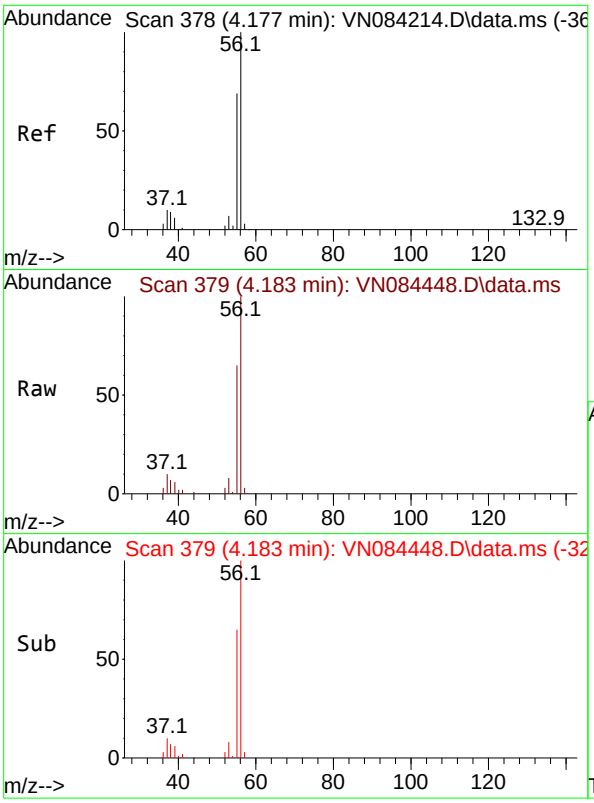


#12
1,1-Dichloroethene
Concen: 49.352 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 96 Resp: 91278

Ion	Ratio	Lower	Upper
96	100		
61	164.5	128.6	192.8
98	65.0	51.7	77.5

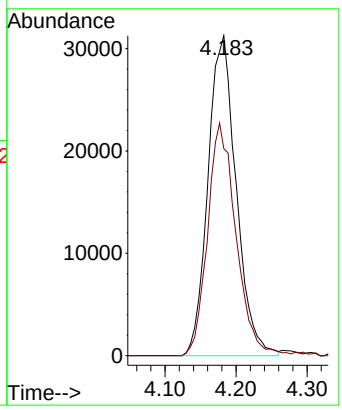




#13
Acrolein
Concen: 186.809 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 56 Resp: 8612

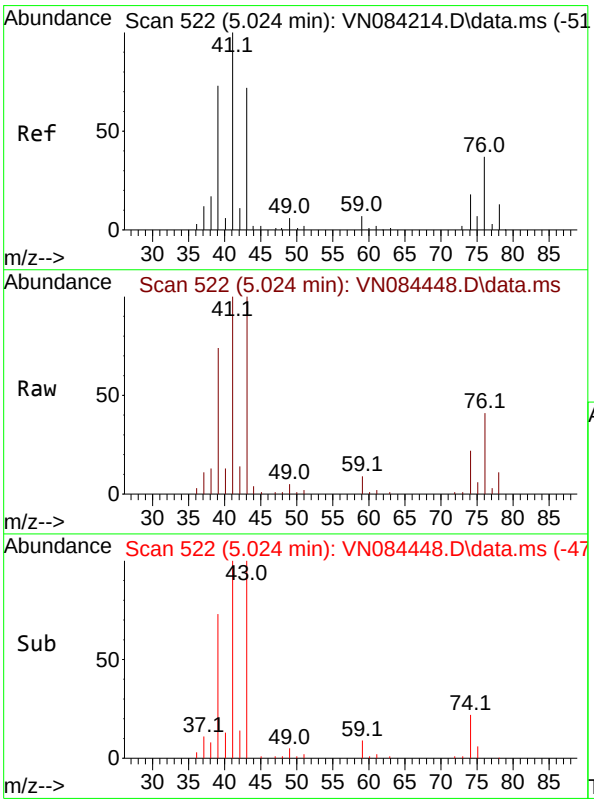
Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

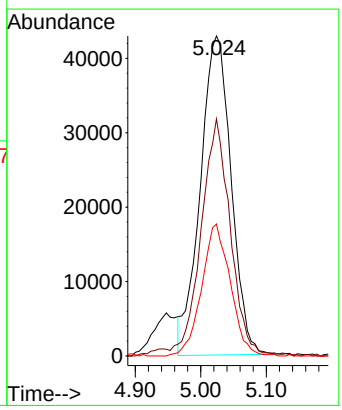
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

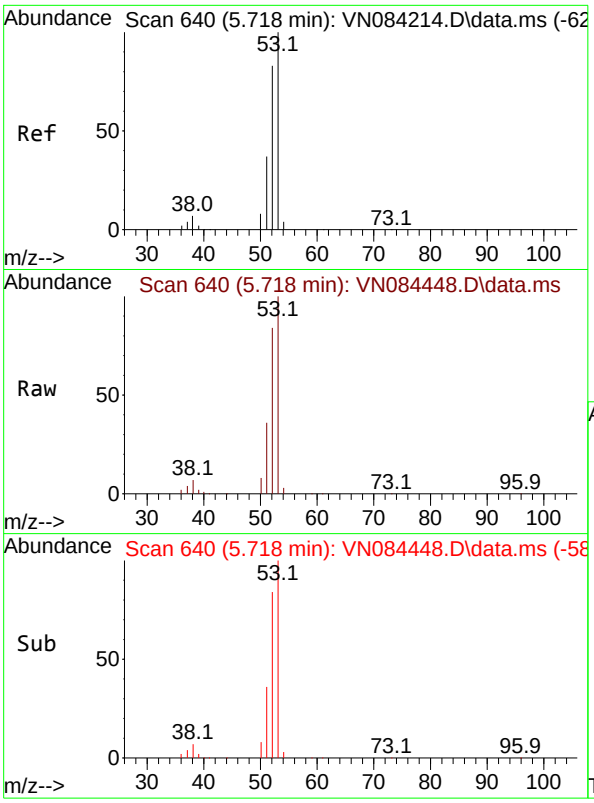


#14
Allyl chloride
Concen: 43.772 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 41 Resp: 140602

Ion	Ratio	Lower	Upper
41	100		
39	71.5	59.0	88.6
76	38.3	29.8	44.6

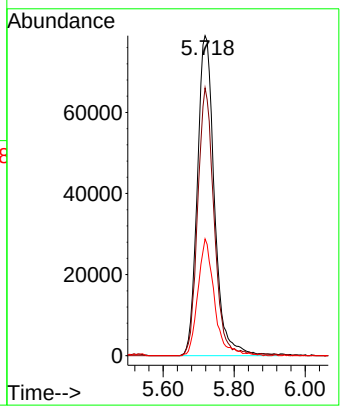




#15
Acrylonitrile
Concen: 261.006 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 53 Resp: 26470

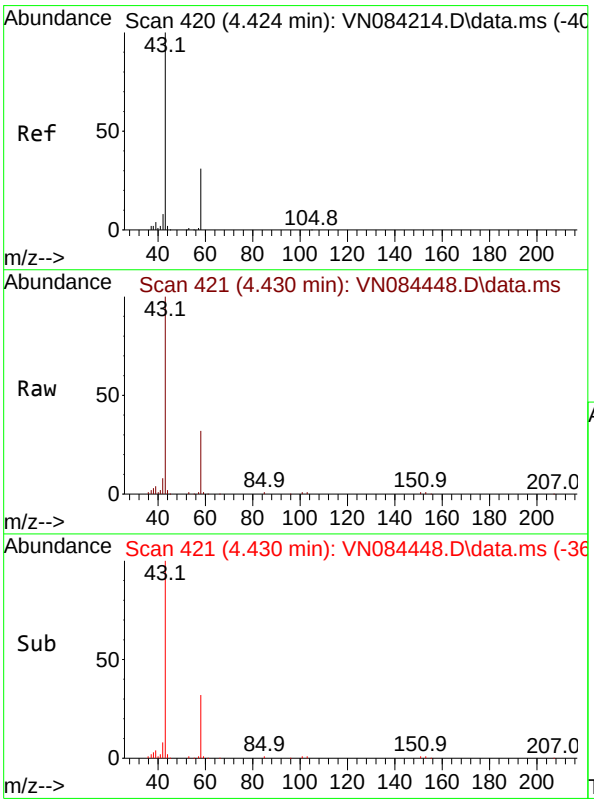
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	35.5	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

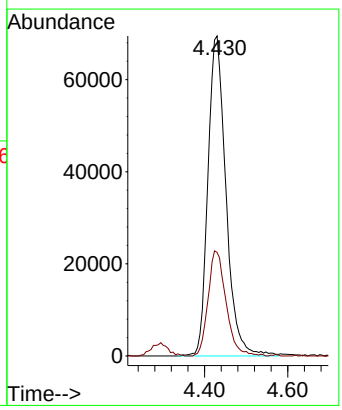
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

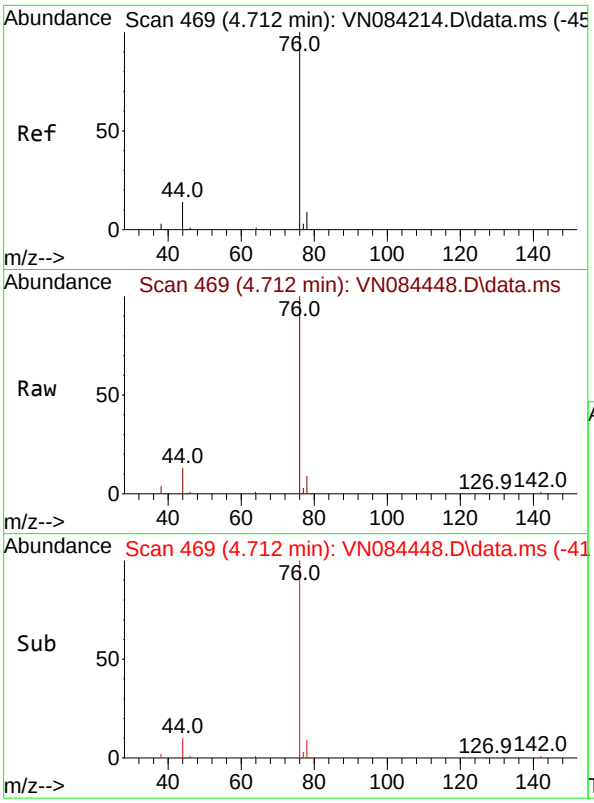


#16
Acetone
Concen: 200.235 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 209499

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.4	36.6

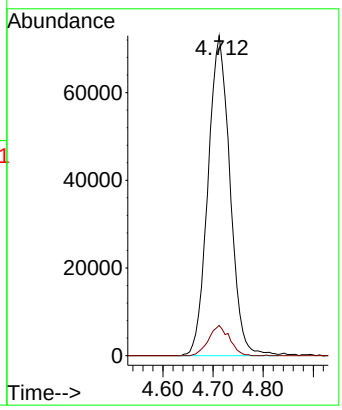




#17
Carbon Disulfide
Concen: 37.994 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 76 Resp: 22248

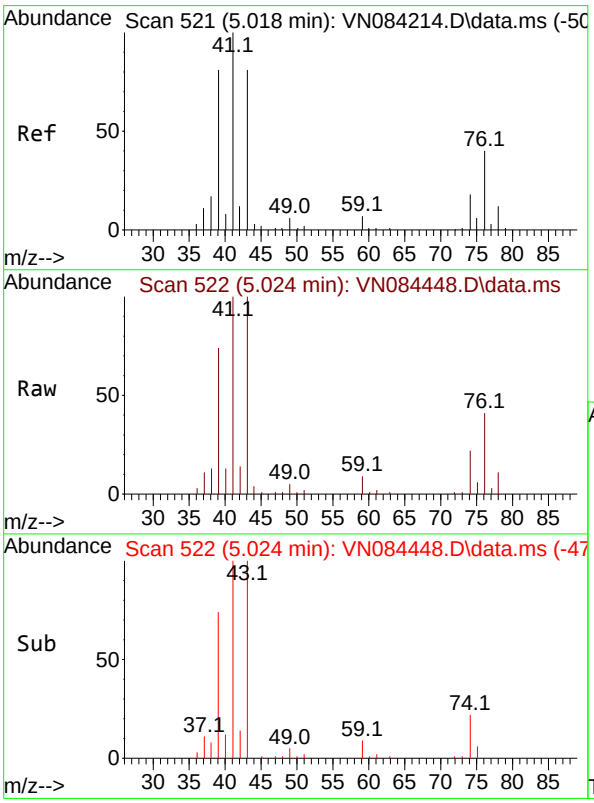
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

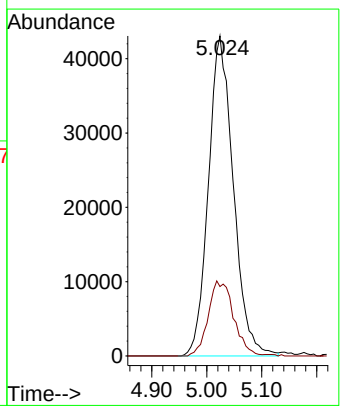
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

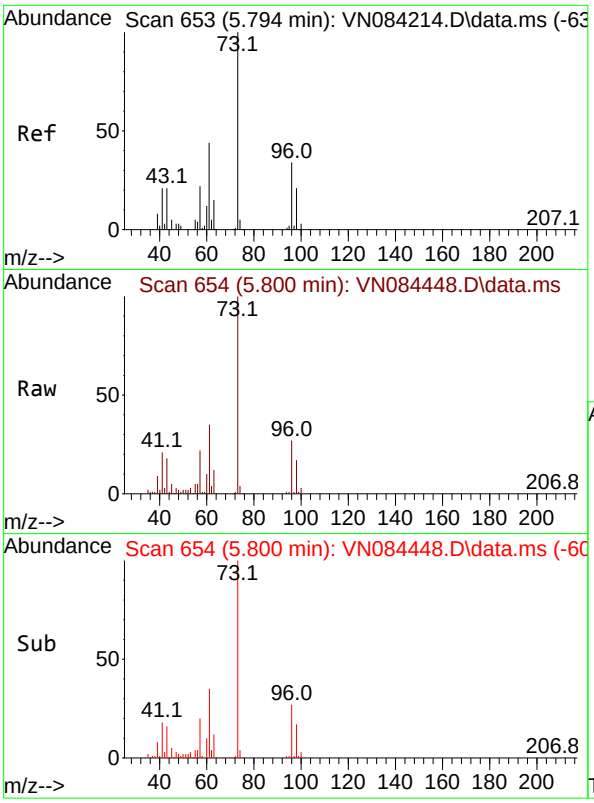


#18
Methyl Acetate
Concen: 59.505 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 135697

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

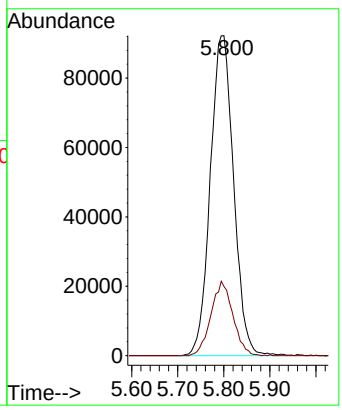




#19
Methyl tert-butyl Ether
Concen: 51.897 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 73 Resp: 32396

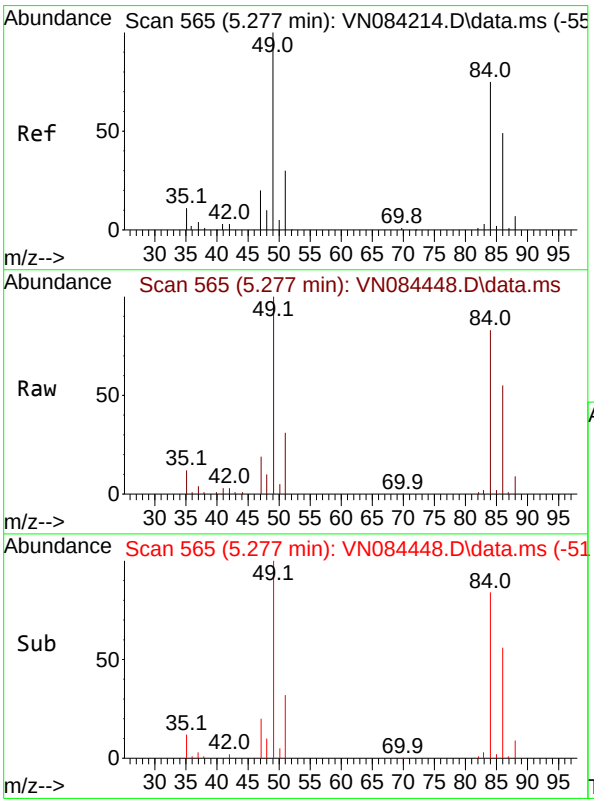
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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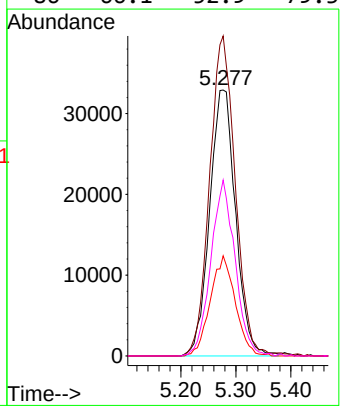
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

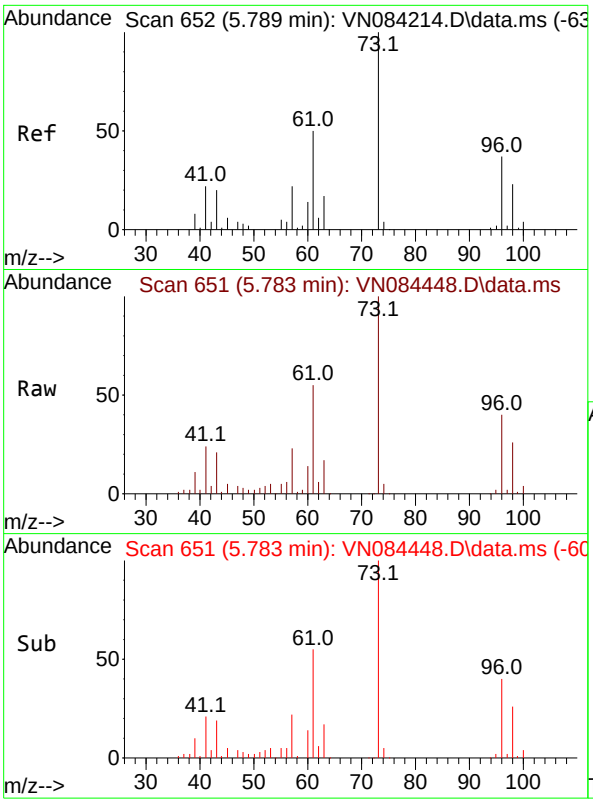


#20
Methylene Chloride
Concen: 50.844 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 84 Resp: 108136

Ion	Ratio	Lower	Upper
84	100		
49	120.3	107.2	160.8
51	37.7	31.8	47.8
86	66.1	52.9	79.3

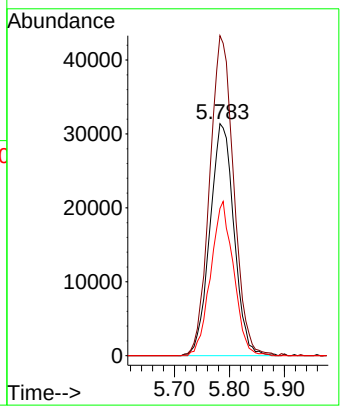




#21
trans-1,2-Dichloroethene
Concen: 49.315 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 96 Resp: 9555

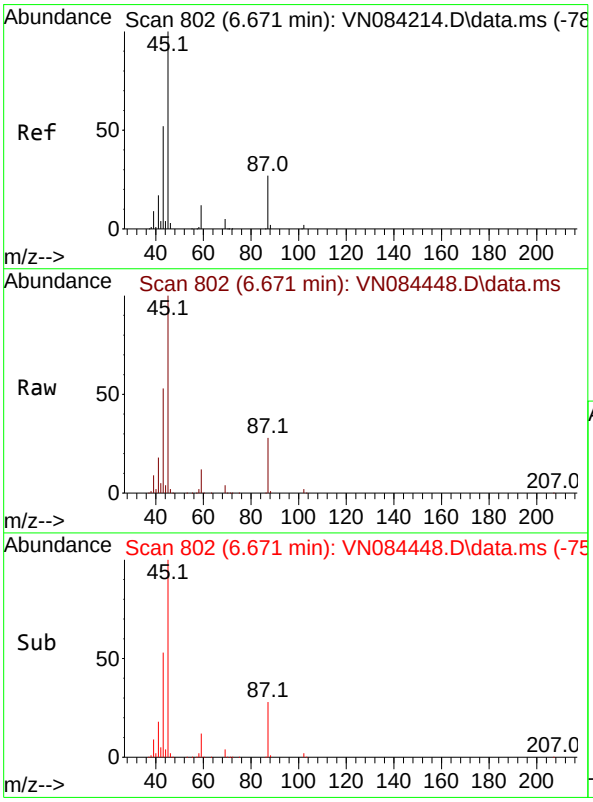
Ion	Ratio	Lower	Upper
96	100		
61	138.0	108.4	162.6
98	63.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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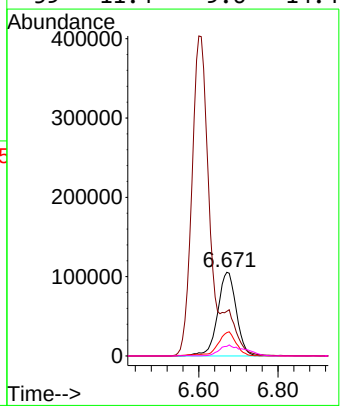
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

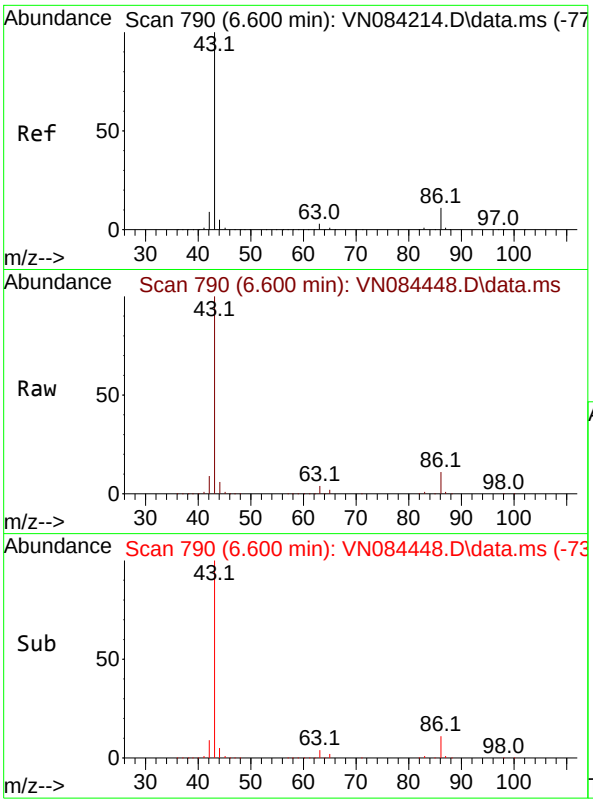


#22
Diisopropyl ether
Concen: 51.879 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 45 Resp: 344689

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	28.0	21.8	32.6
59	11.4	9.6	14.4





#23
Vinyl Acetate
Concen: 238.618 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

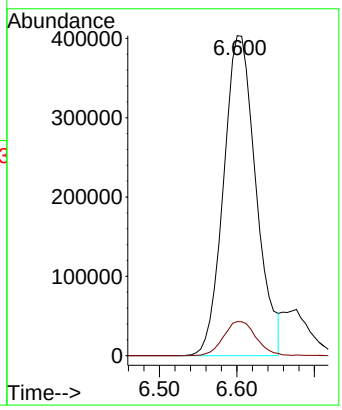
Tgt Ion: 43 Resp: 117588

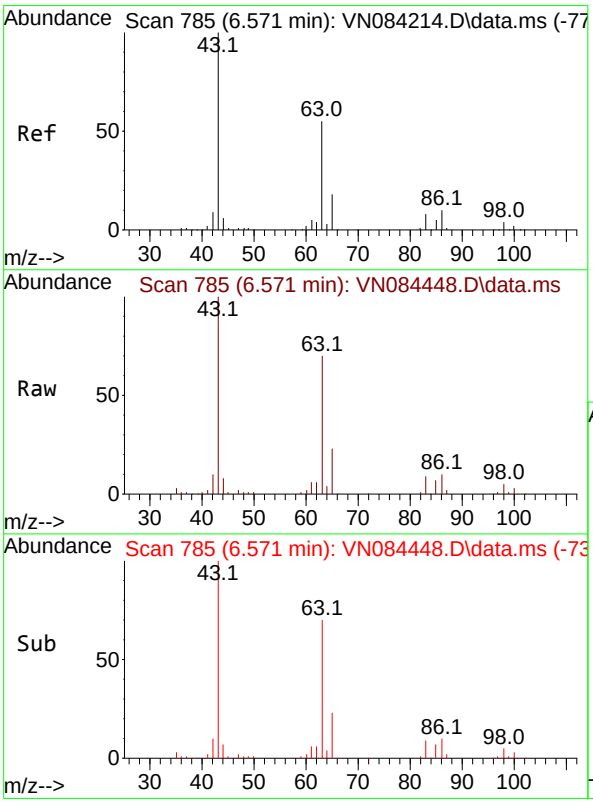
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

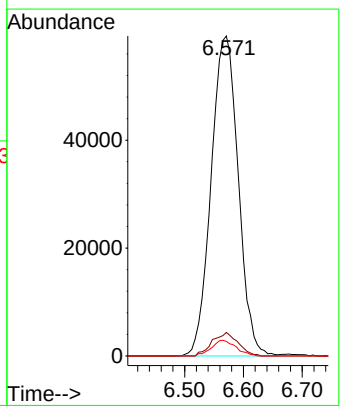


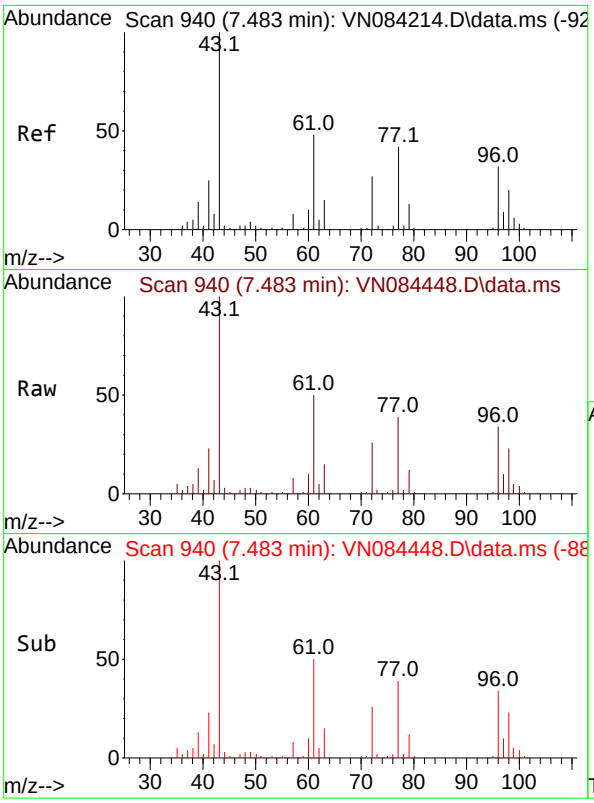


#24
1,1-Dichloroethane
Concen: 51.145 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 63 Resp: 190033

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.5	2.0	5.8





#25
2-Butanone
Concen: 233.725 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

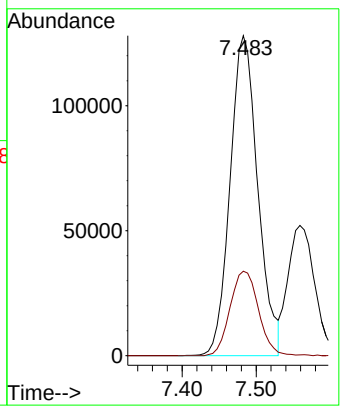
Tgt Ion: 43 Resp: 33306

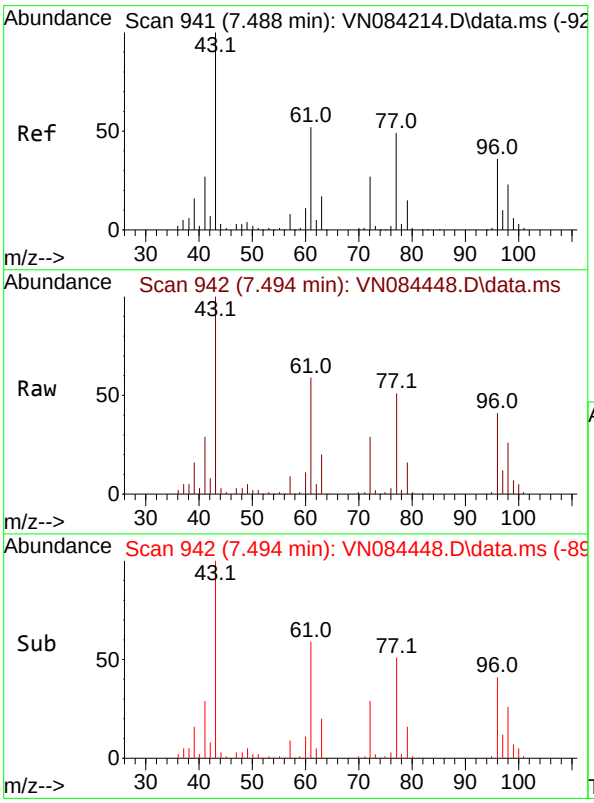
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

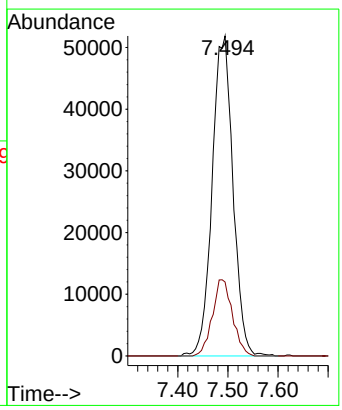


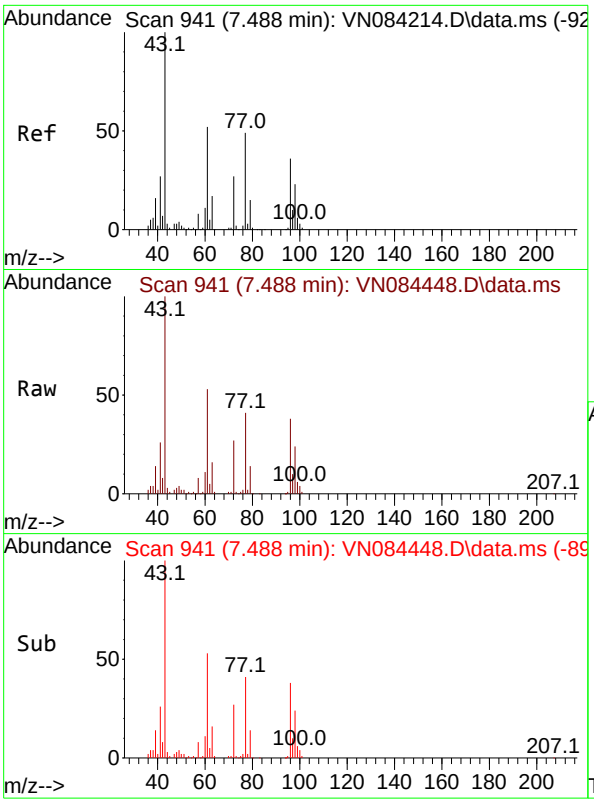


#26
2,2-Dichloropropane
Concen: 44.706 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 77 Resp: 149770

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 50.655 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

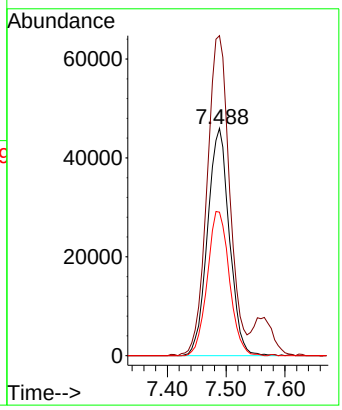
Tgt Ion: 96 Resp: 11860

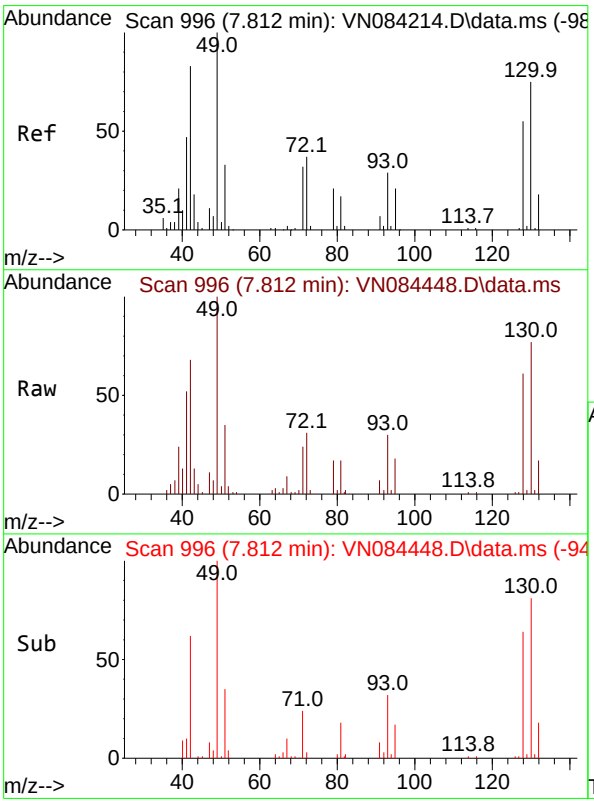
Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	301.8
98	64.1	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

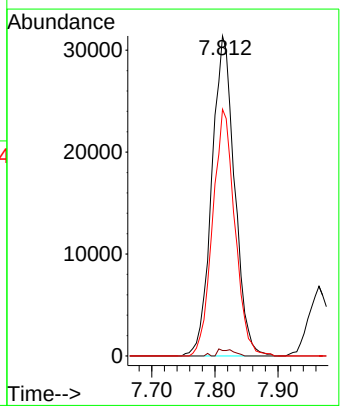


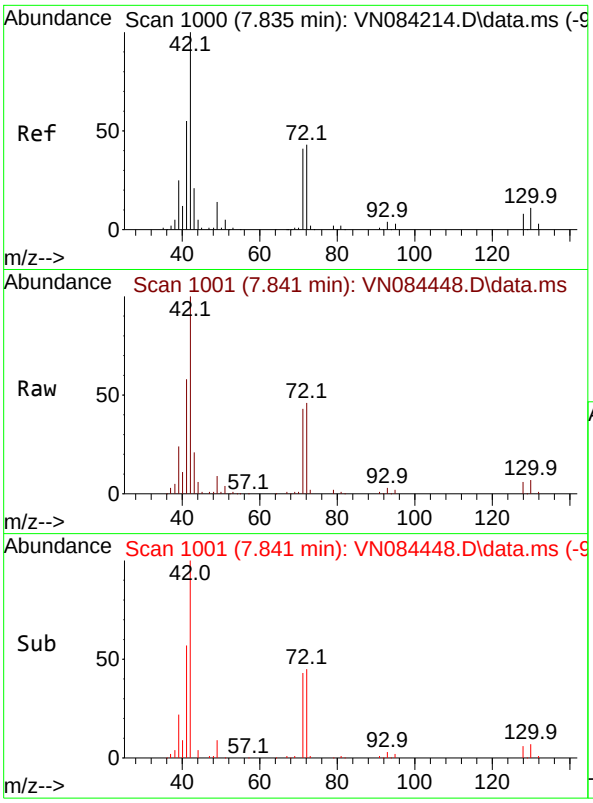


#28
Bromochloromethane
Concen: 47.474 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 49 Resp: 78703

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.1	58.0	87.0

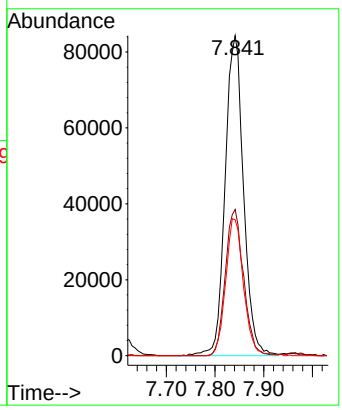




#29
Tetrahydrofuran
Concen: 251.461 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 42 Resp: 22113

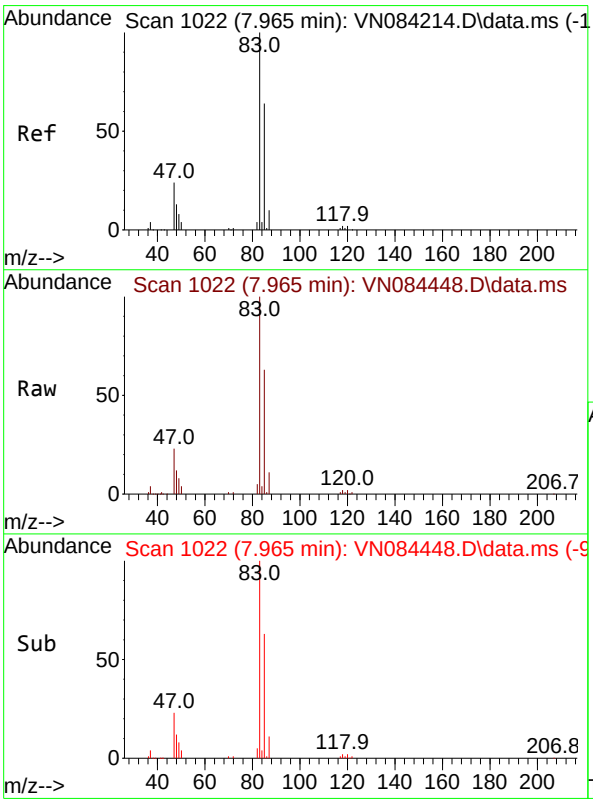
Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.6	51.8
71	41.7	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

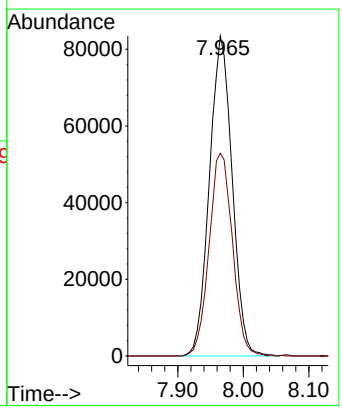
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

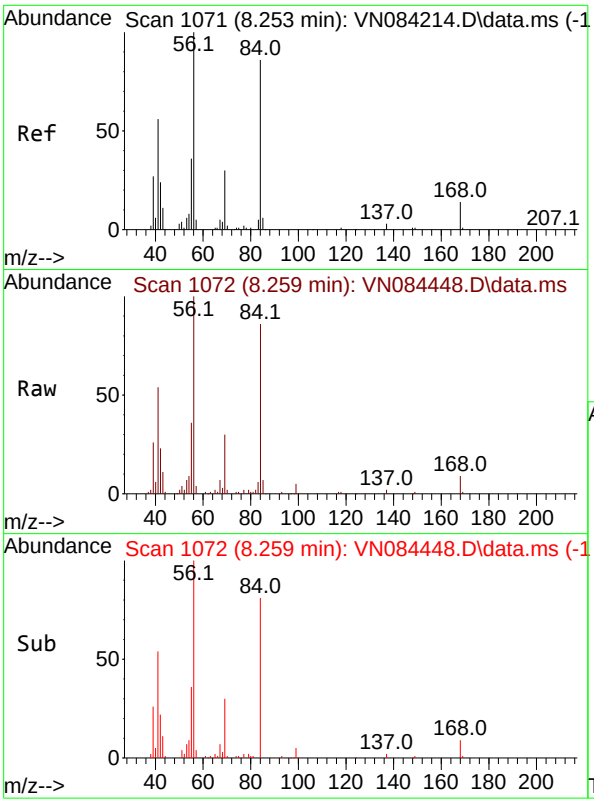


#30
Chloroform
Concen: 52.167 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 83 Resp: 201338

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

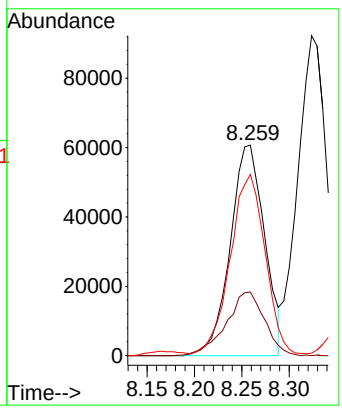




#31
Cyclohexane
Concen: 42.521 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 56 Resp: 153399

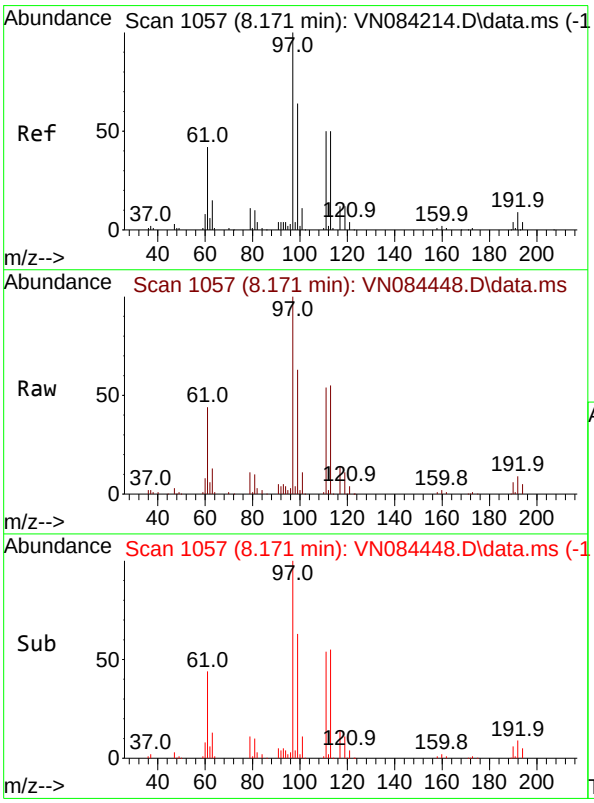
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.6
84	84.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

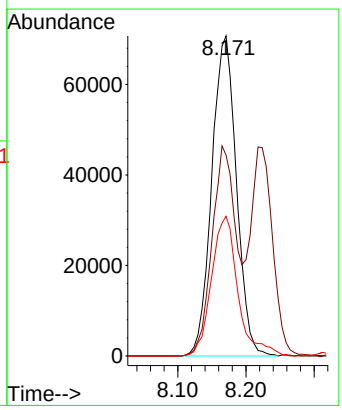
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

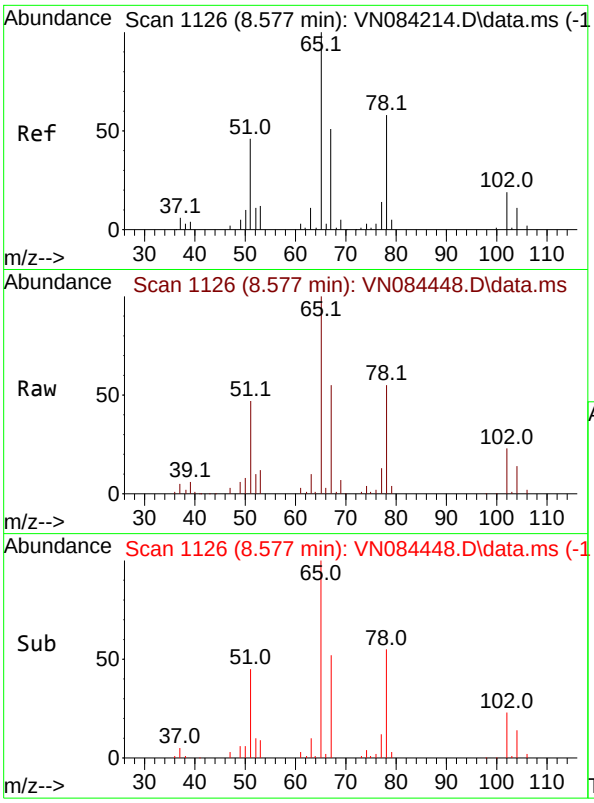


#32
1,1,1-Trichloroethane
Concen: 51.300 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 97 Resp: 177818

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	46.9	37.5	56.3

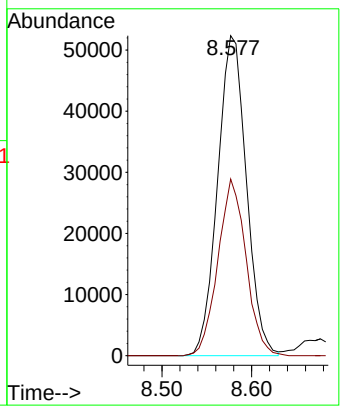




#33
1,2-Dichloroethane-d4
Concen: 47.911 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 65 Resp: 11669

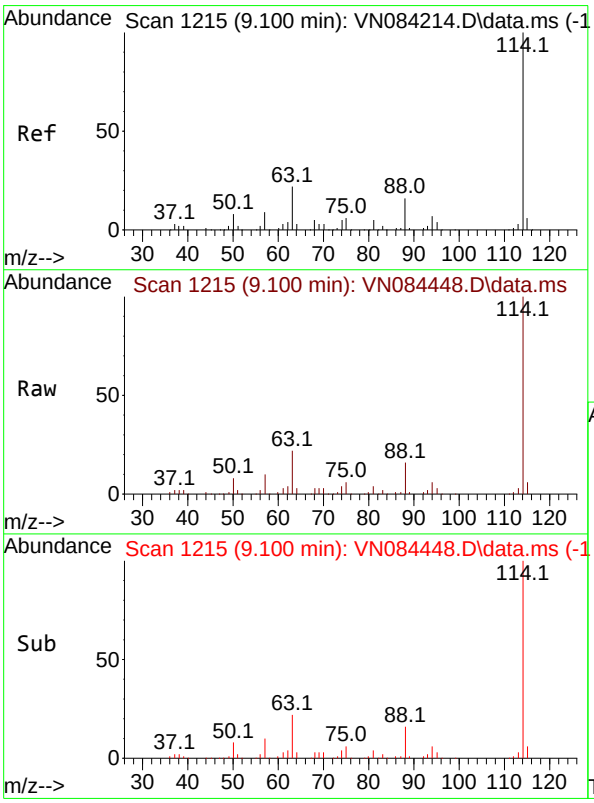
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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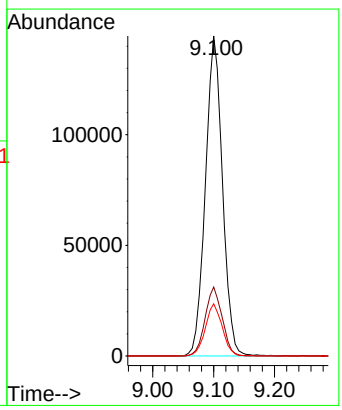
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

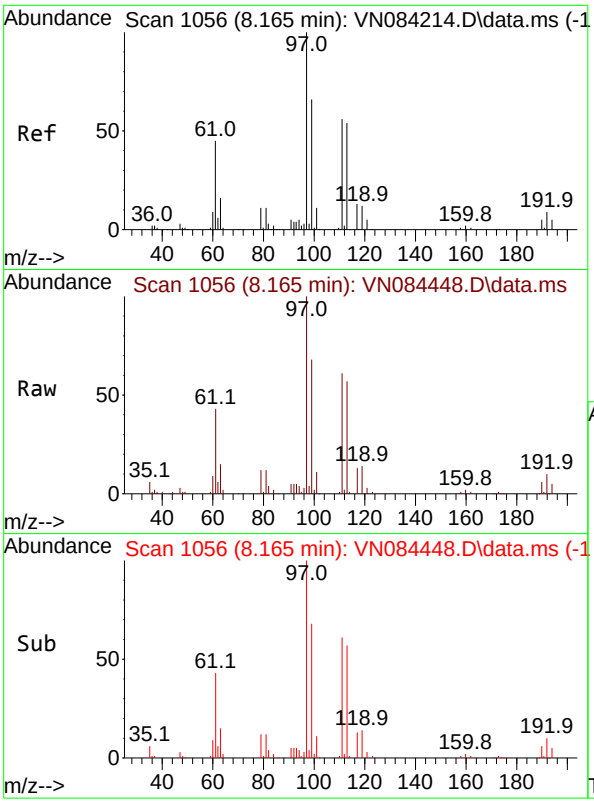


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:114 Resp: 281823

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	16.3	0.0	31.6

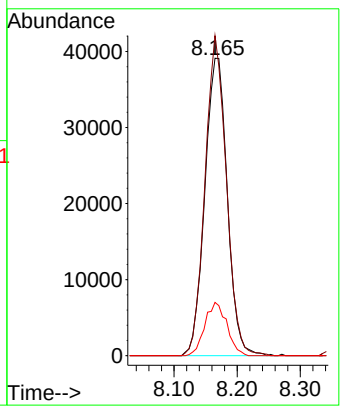




#35
Dibromofluoromethane
Concen: 52.045 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:113 Resp: 9669

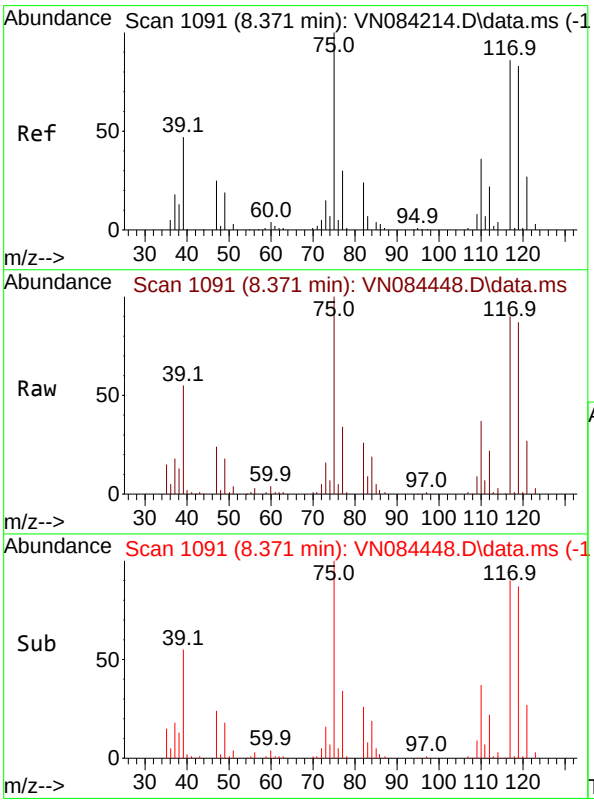
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.3	124.9
192	17.6	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

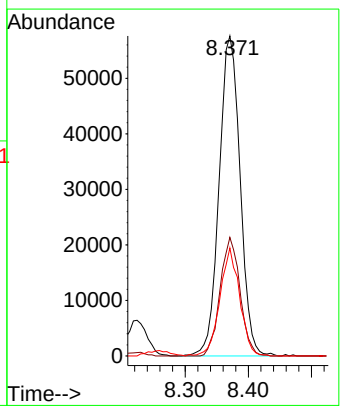
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

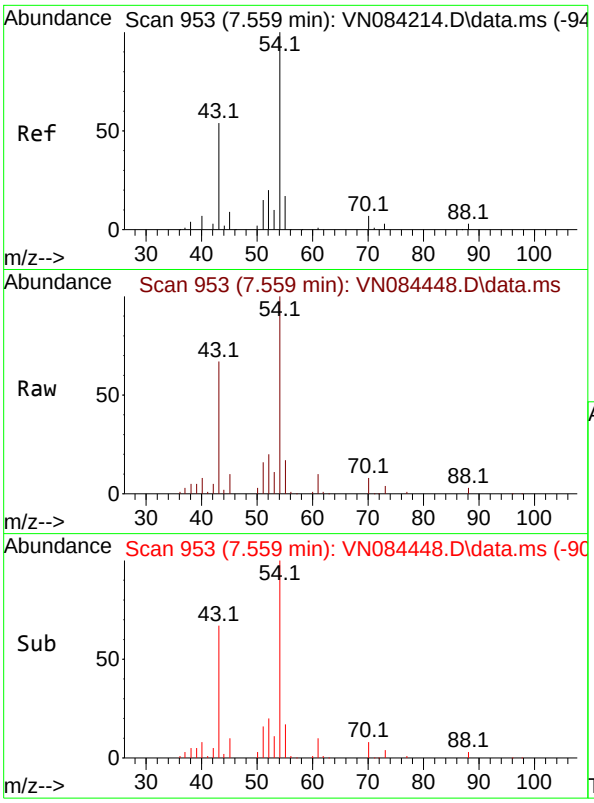


#36
1,1-Dichloropropene
Concen: 49.312 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 133081

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	31.9	24.7	37.1

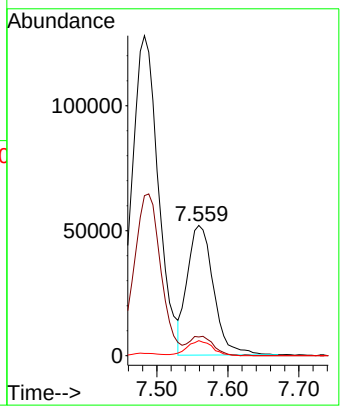




#37
Ethyl Acetate
Concen: 48.082 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 13312

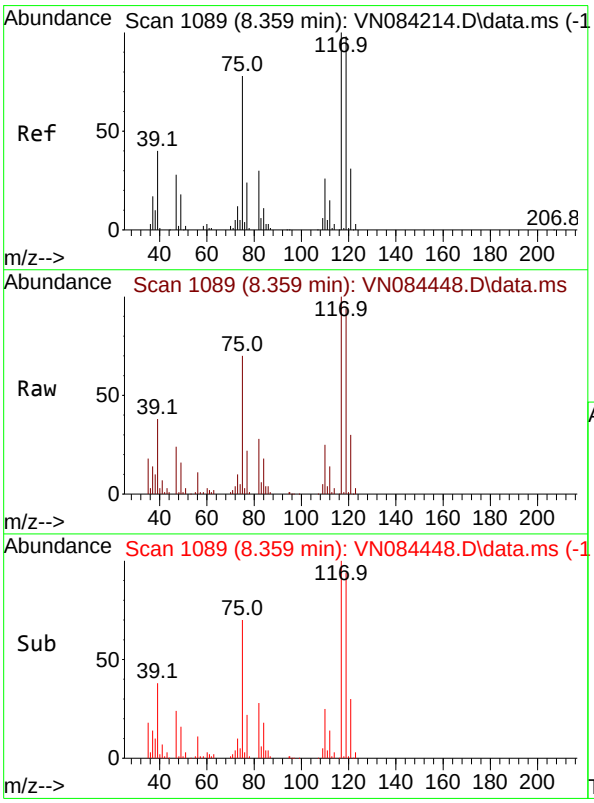
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

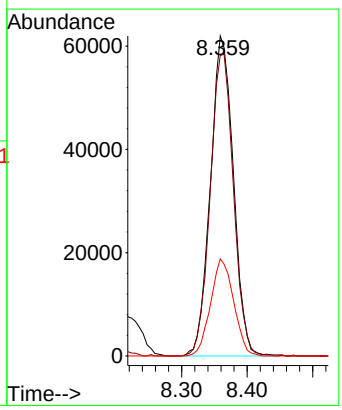
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

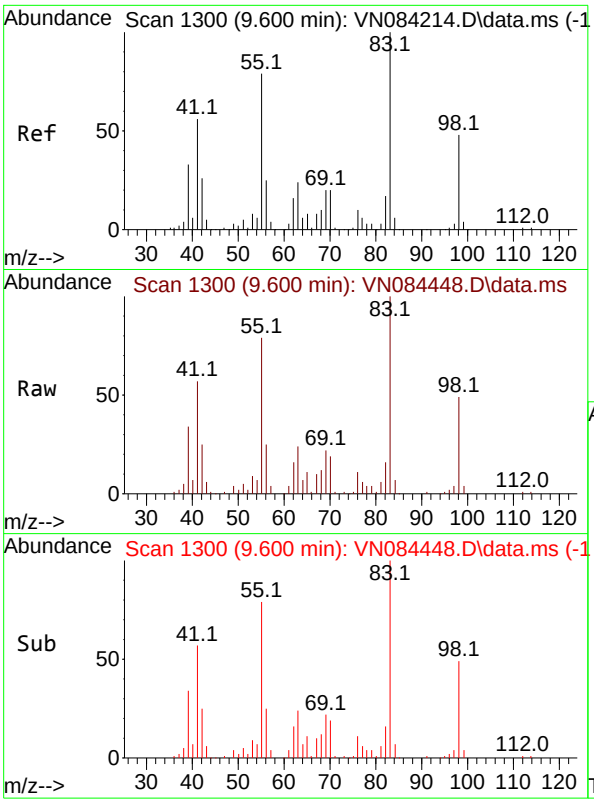


#38
Carbon Tetrachloride
Concen: 50.818 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:117 Resp: 150440

Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.7	118.1
121	30.4	24.4	36.6

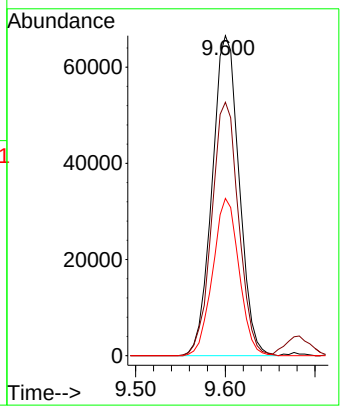




#39
Methylcyclohexane
Concen: 46.254 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 83 Resp: 13893

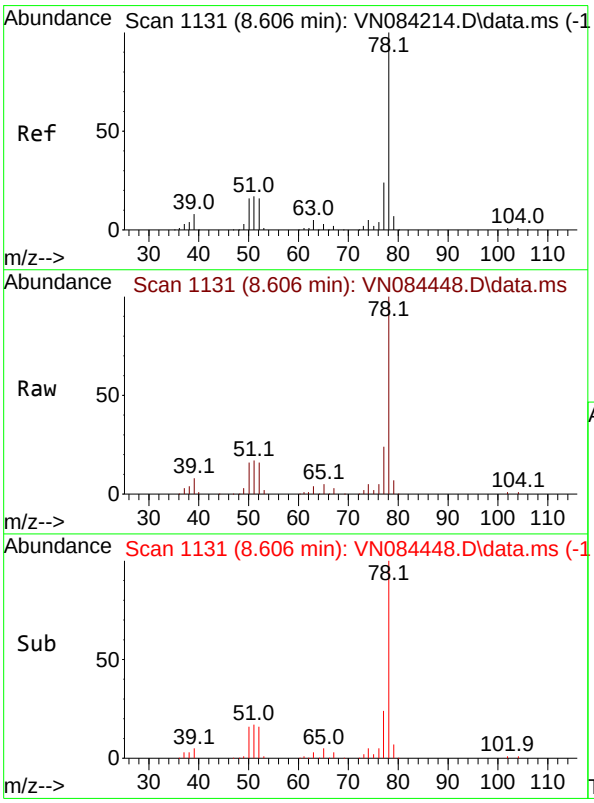
Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.8	94.2
98	49.1	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

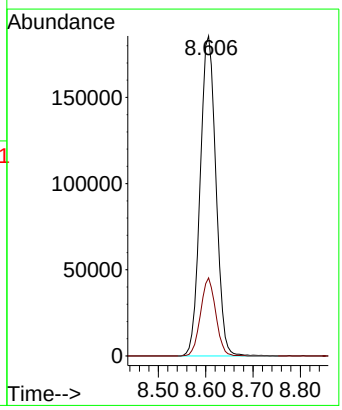
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

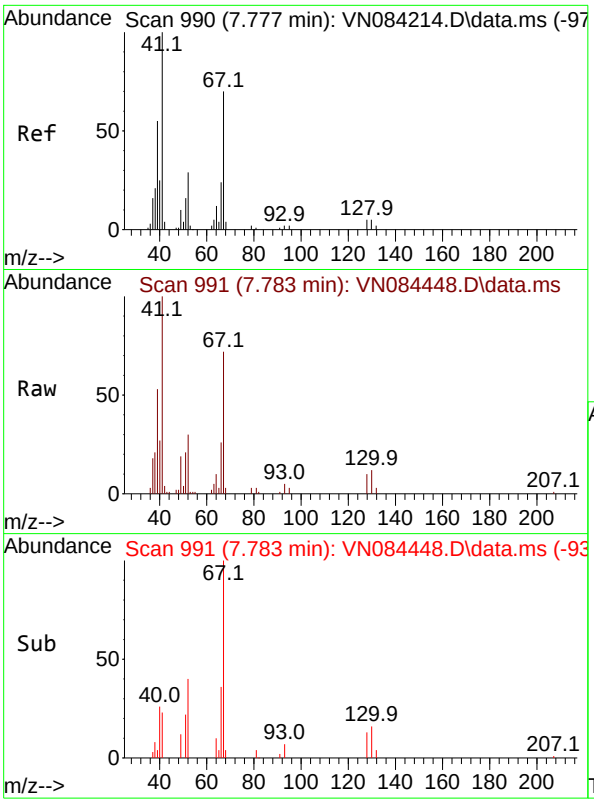


#40
Benzene
Concen: 50.941 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 78 Resp: 428332

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7

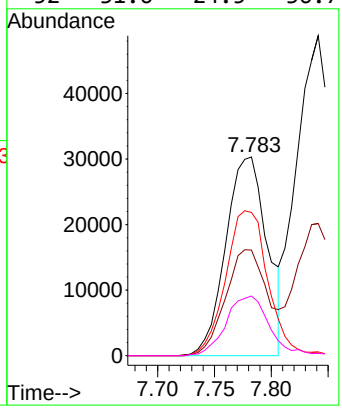




#41
Methacrylonitrile
Concen: 51.187 ug/l
RT: 7.783 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 41 Resp: 7693

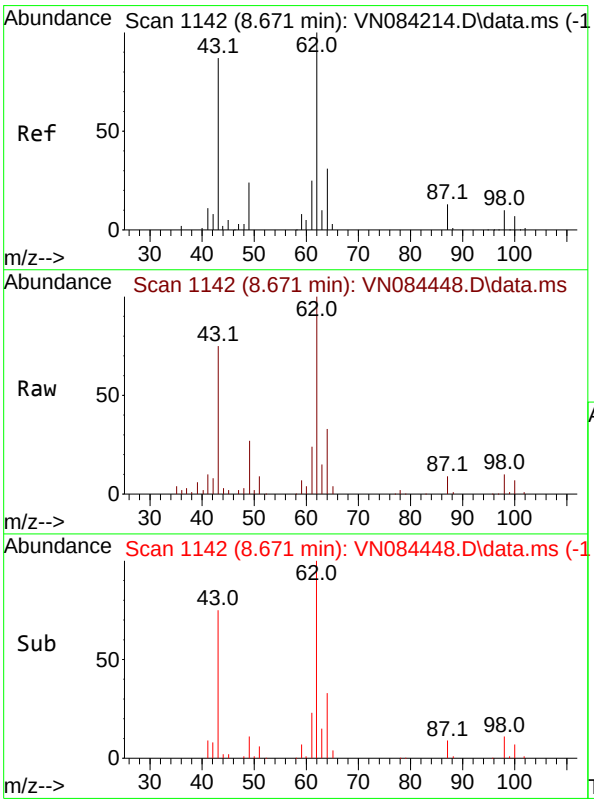
Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	74.5	56.1	84.1
52	31.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

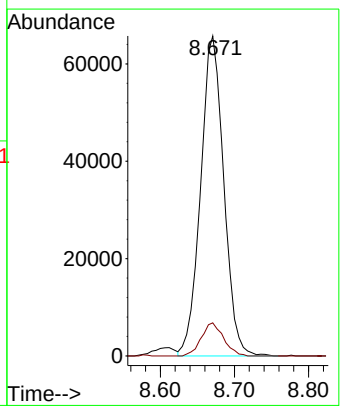
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

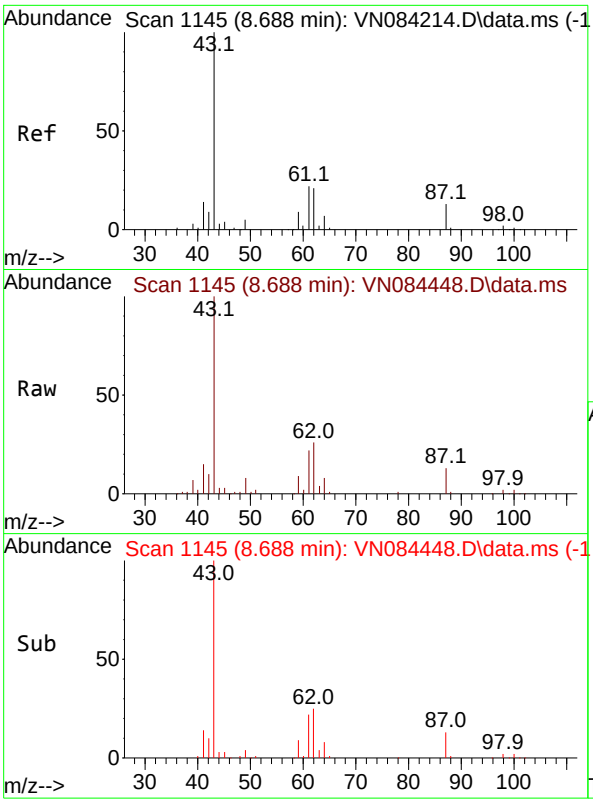


#42
1,2-Dichloroethane
Concen: 50.160 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 62 Resp: 142985

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.2

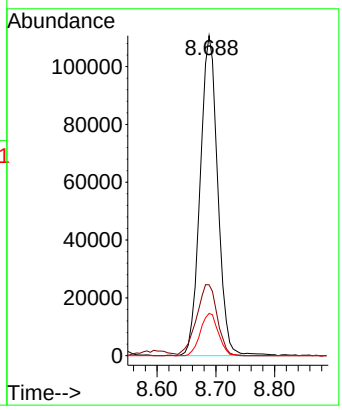




#43
Isopropyl Acetate
Concen: 42.408 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 22998

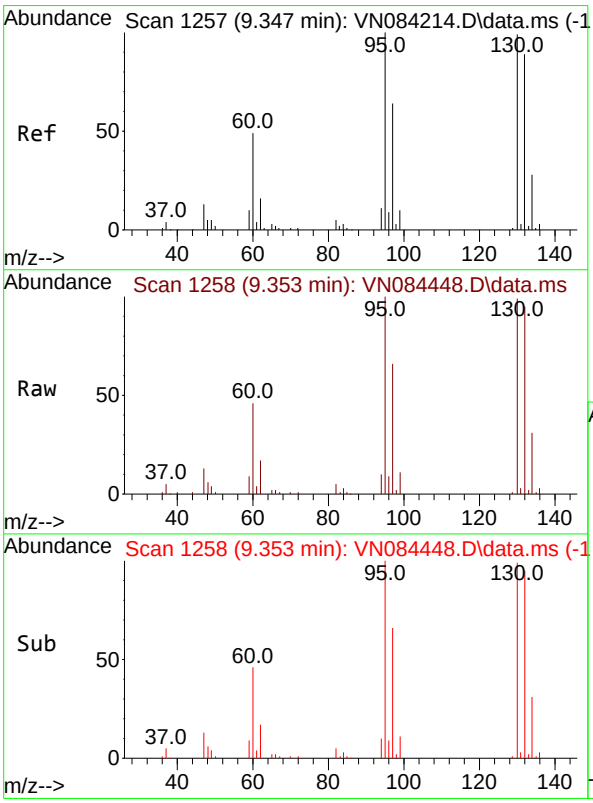
Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.4	30.6
87	13.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

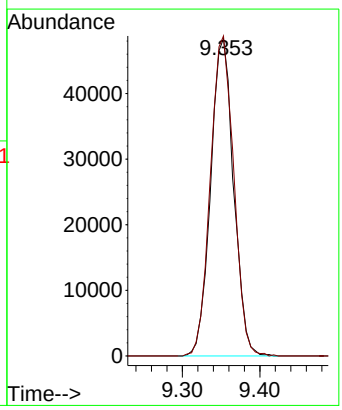
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

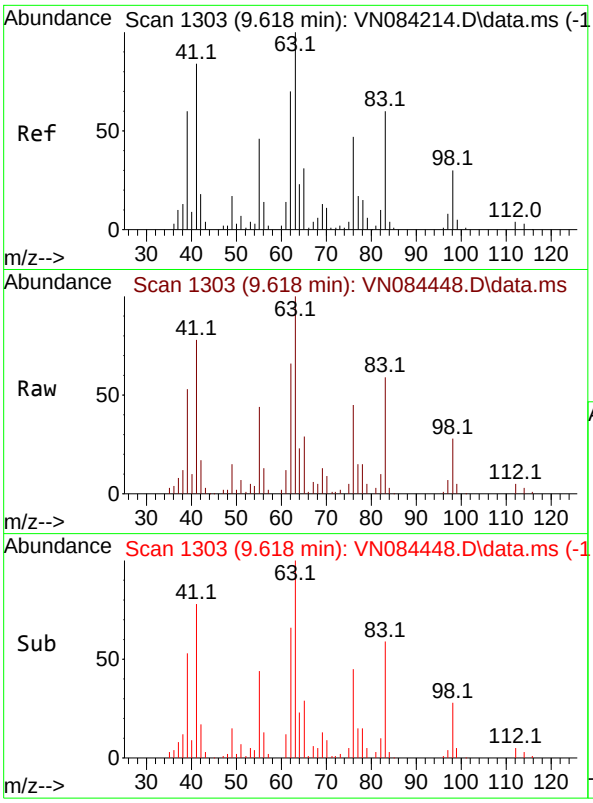


#44
Trichloroethene
Concen: 50.592 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:130 Resp: 99355

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0

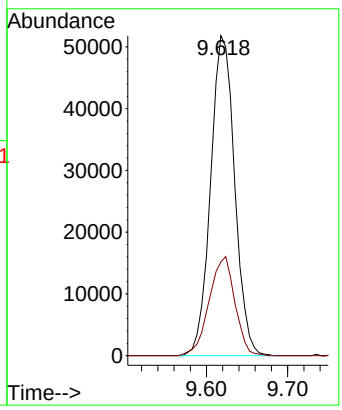




#45
1,2-Dichloropropane
Concen: 53.648 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 63 Resp: 10671

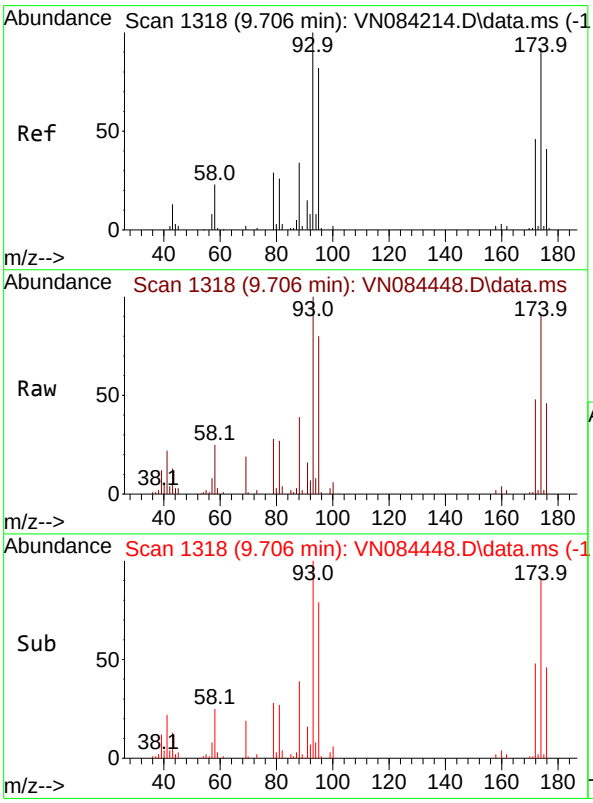
Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

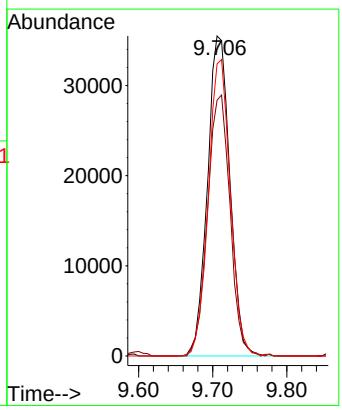
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

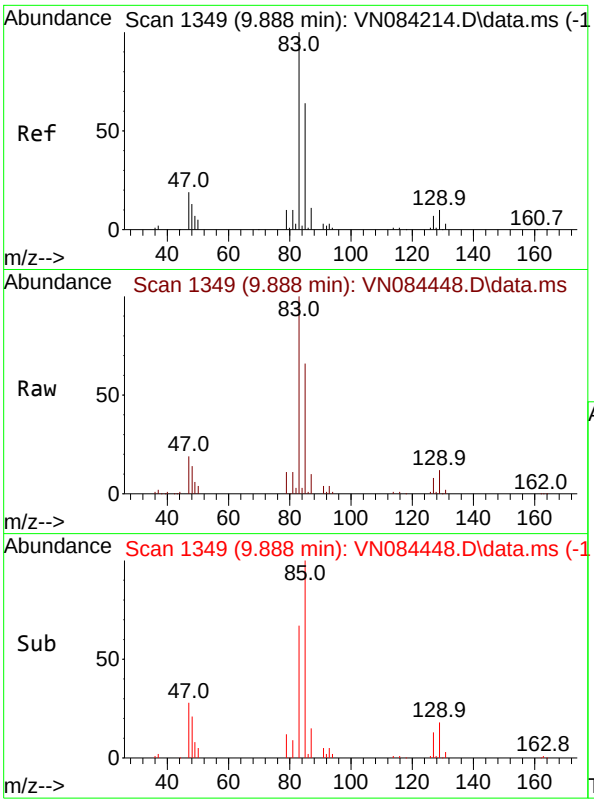


#46
Dibromomethane
Concen: 55.712 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 93 Resp: 74783

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.0	97.4
174	90.5	71.8	107.8

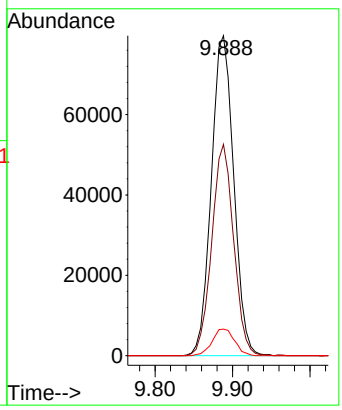




#47
Bromodichloromethane
Concen: 53.528 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 83 Resp: 15963

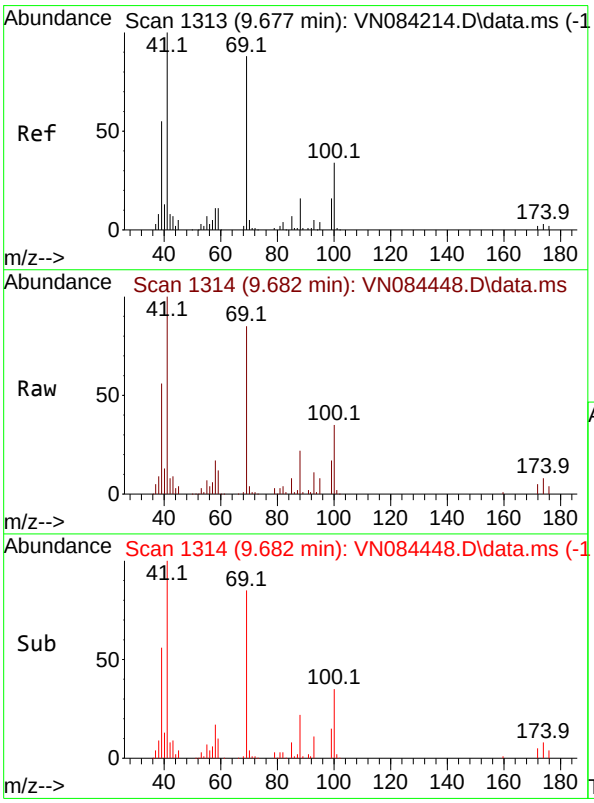
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3
127	8.3	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

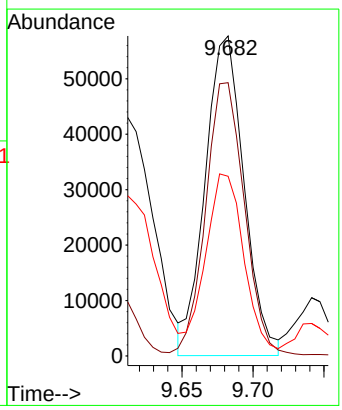
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

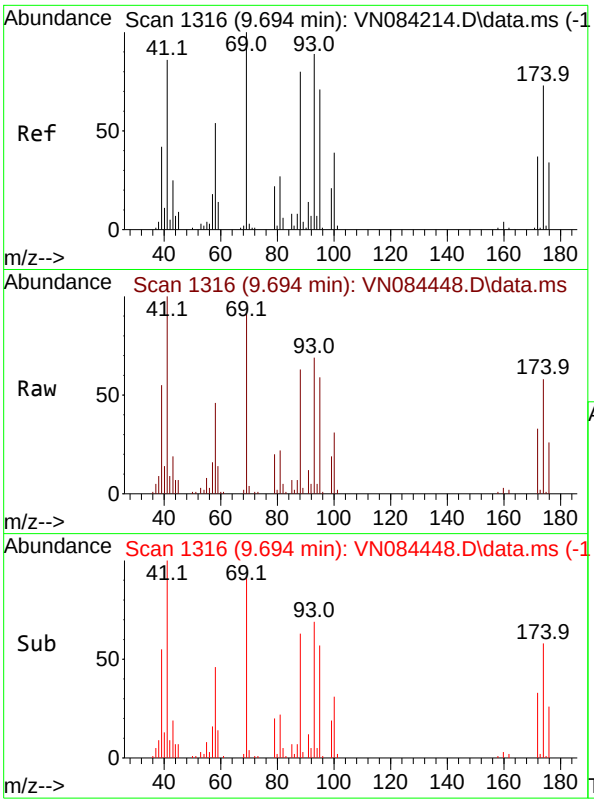


#48
Methyl methacrylate
Concen: 50.850 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 41 Resp: 109772

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	57.3	45.8	68.6





#49
1,4-Dioxane
Concen: 994.968 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

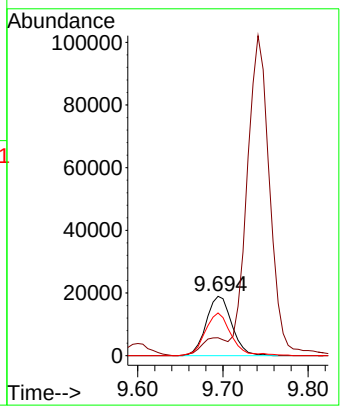
Tgt Ion: 88 Resp: 3954

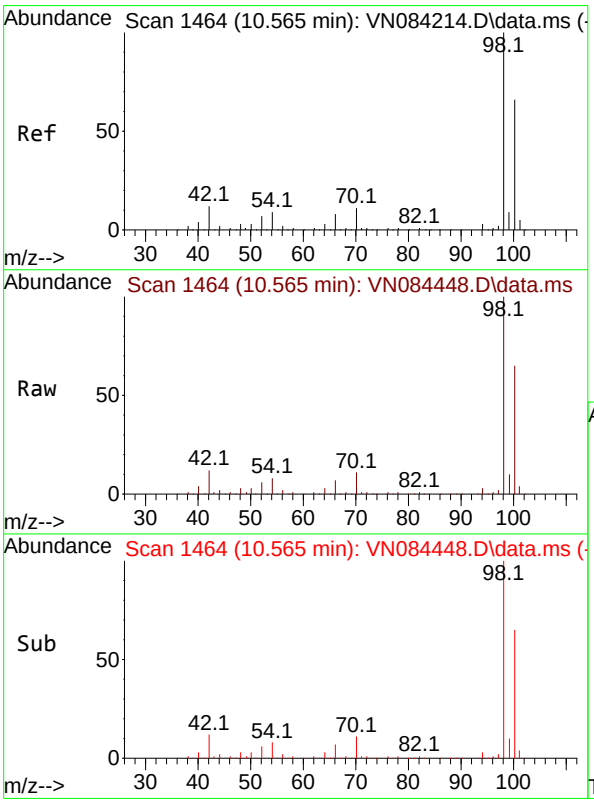
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	73.5	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

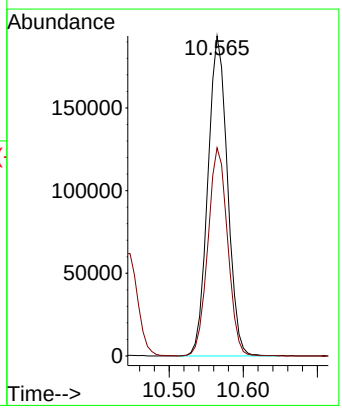


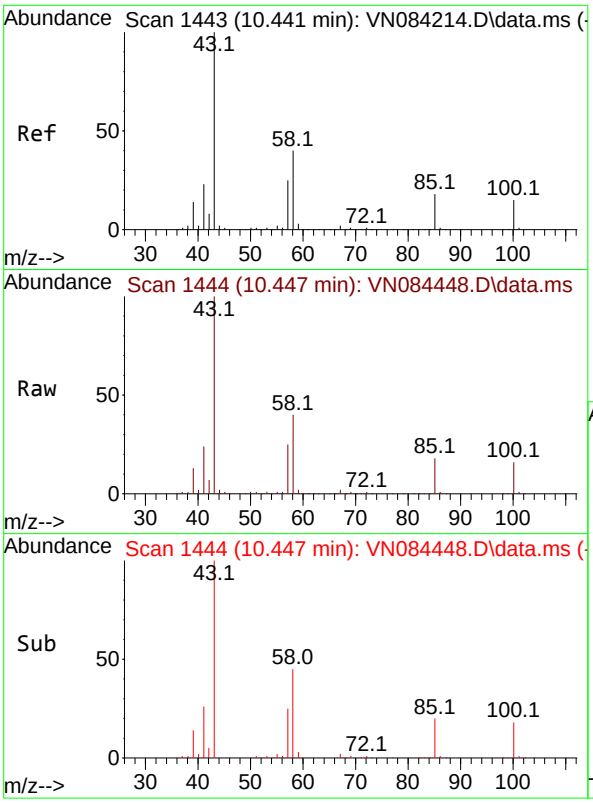


#50
Toluene-d8
Concen: 51.913 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 98 Resp: 354860

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

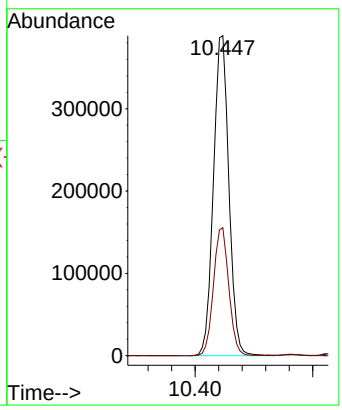




#51
4-Methyl-2-Pentanone
Concen: 268.874 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 70866

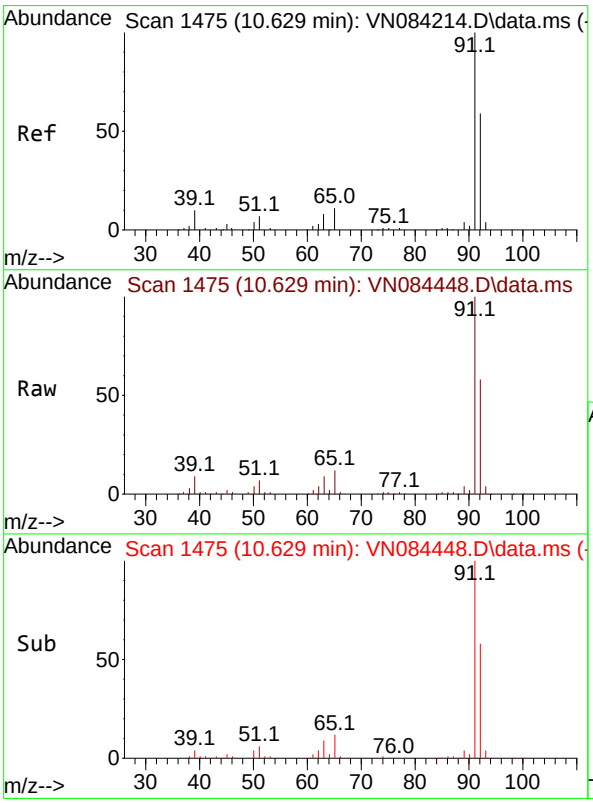
Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

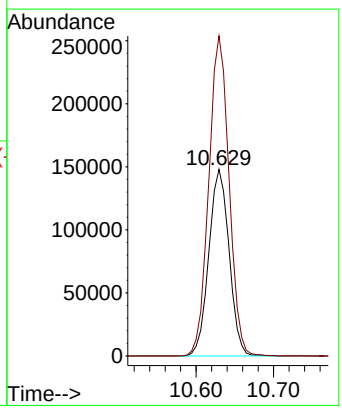
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

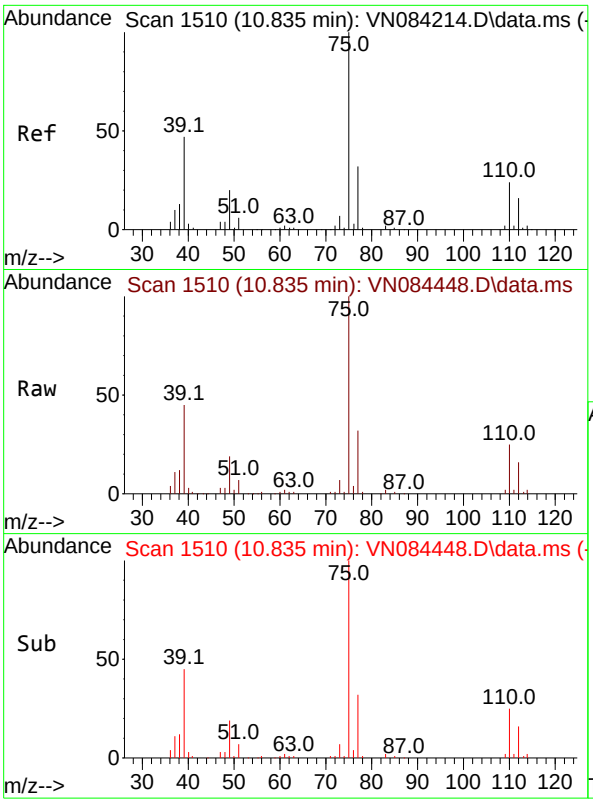


#52
Toluene
Concen: 52.382 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 92 Resp: 268587

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9

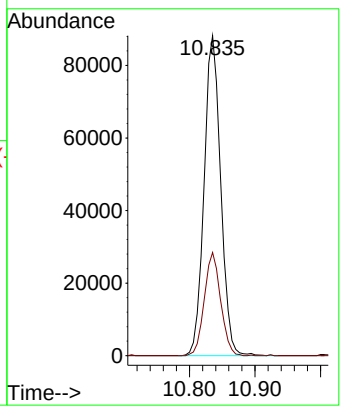




#53
t-1,3-Dichloropropene
Concen: 51.089 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 15530

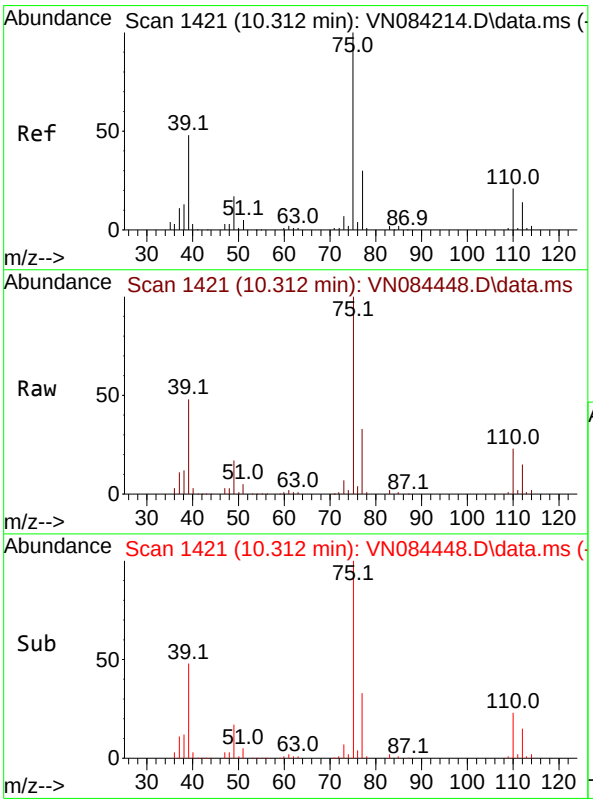
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

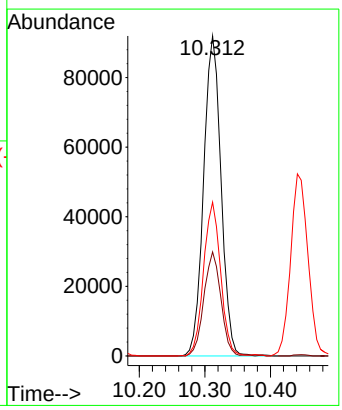
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

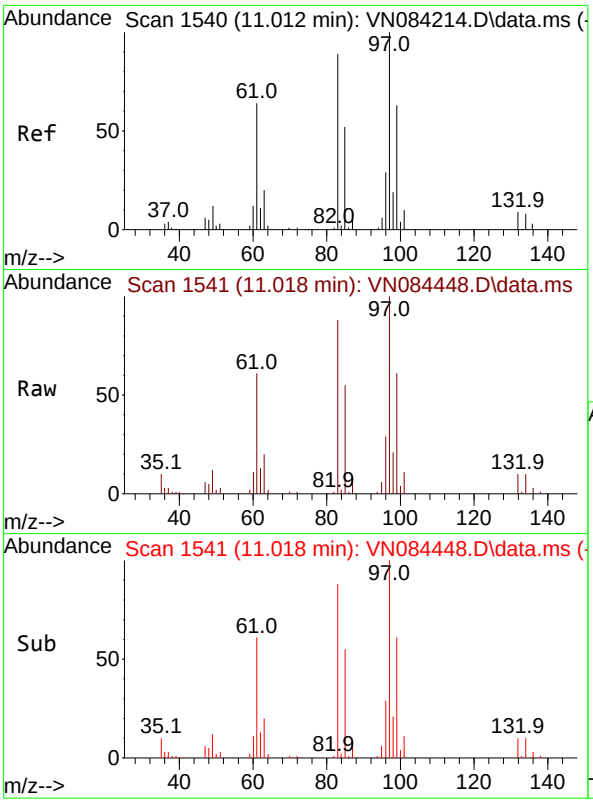


#54
cis-1,3-Dichloropropene
Concen: 52.057 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 170218

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	48.0	38.7	58.1

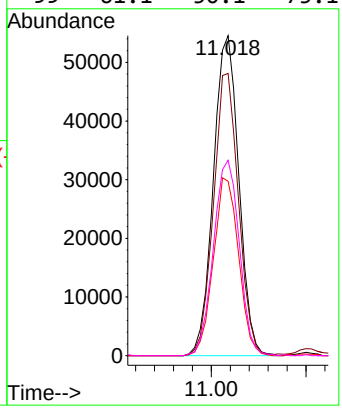




#55
1,1,2-Trichloroethane
Concen: 55.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 97 Resp: 10177

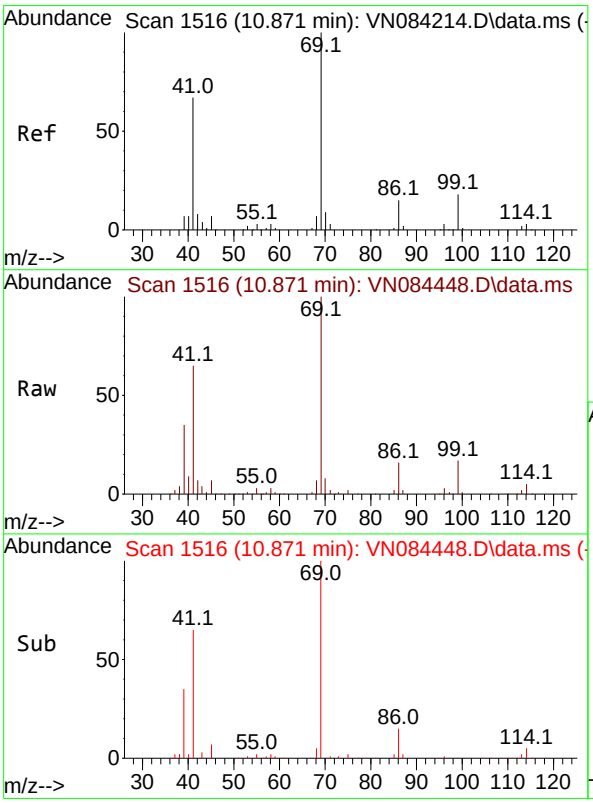
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.0	106.4
85	54.5	41.7	62.5
99	61.1	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

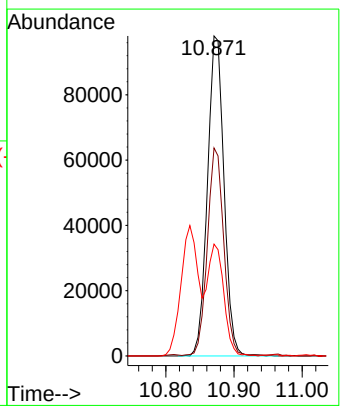
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

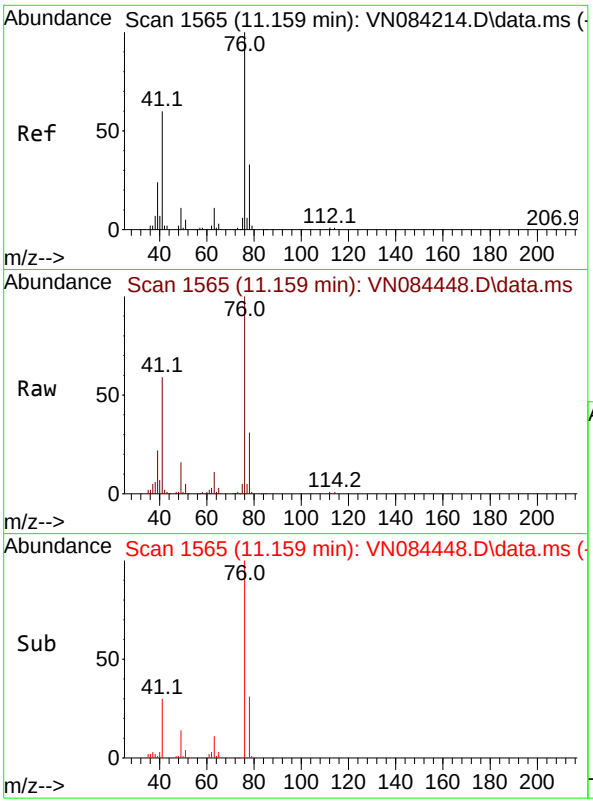


#56
Ethyl methacrylate
Concen: 54.658 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 69 Resp: 165318

Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.3	79.9
39	34.8	28.8	43.2





#57
1,3-Dichloropropane
Concen: 53.424 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

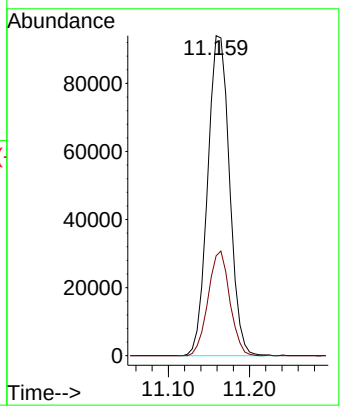
Tgt Ion: 76 Resp: 17547

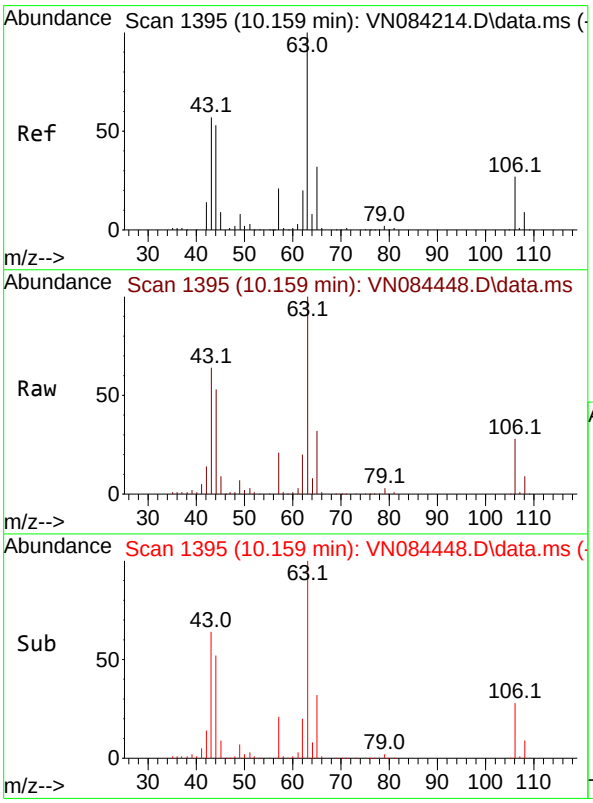
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

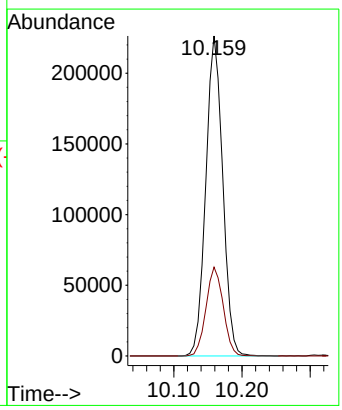


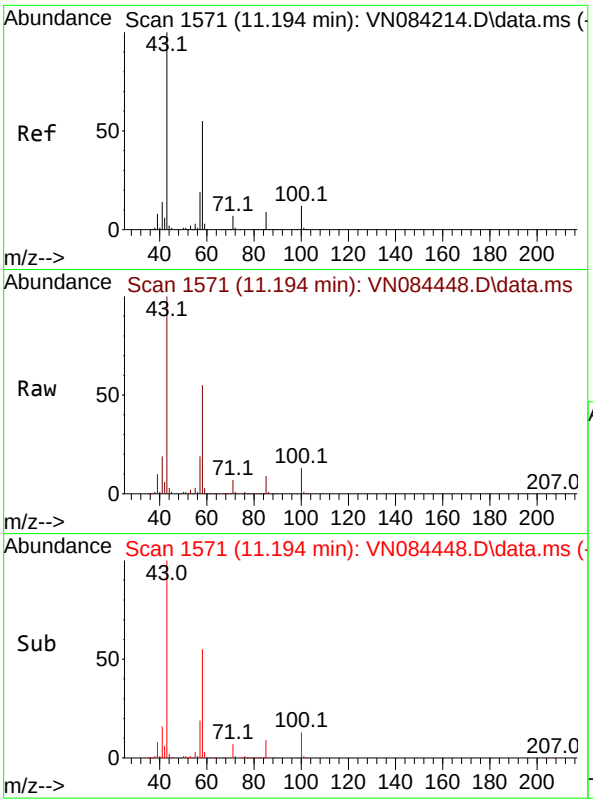


#58
2-Chloroethyl Vinyl ether
Concen: 278.254 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 63 Resp: 390411

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6





#59
2-Hexanone
Concen: 260.410 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

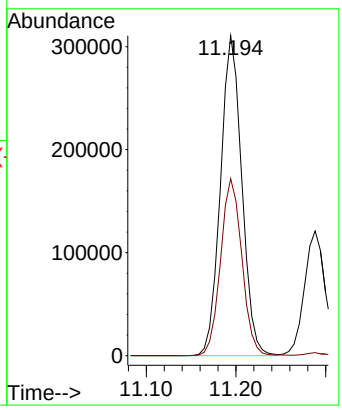
Tgt Ion: 43 Resp: 51299

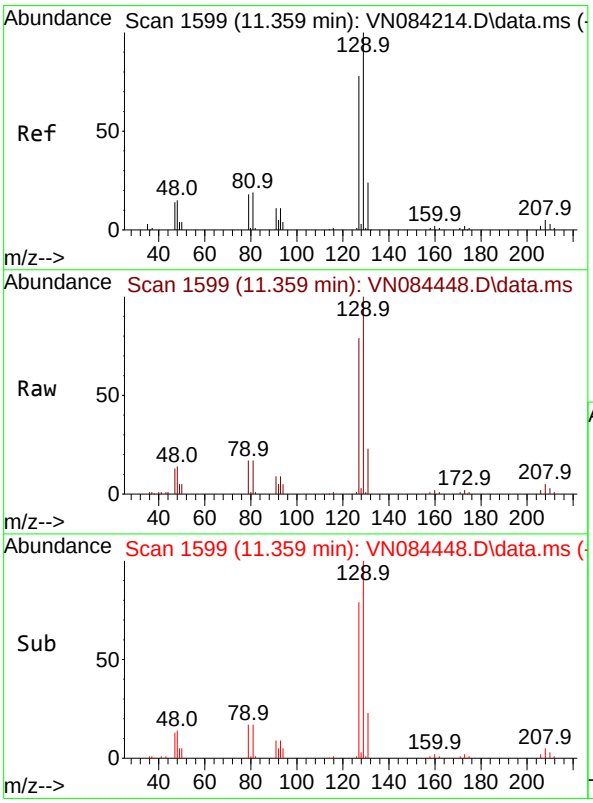
Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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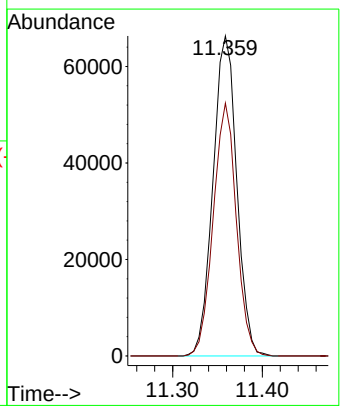


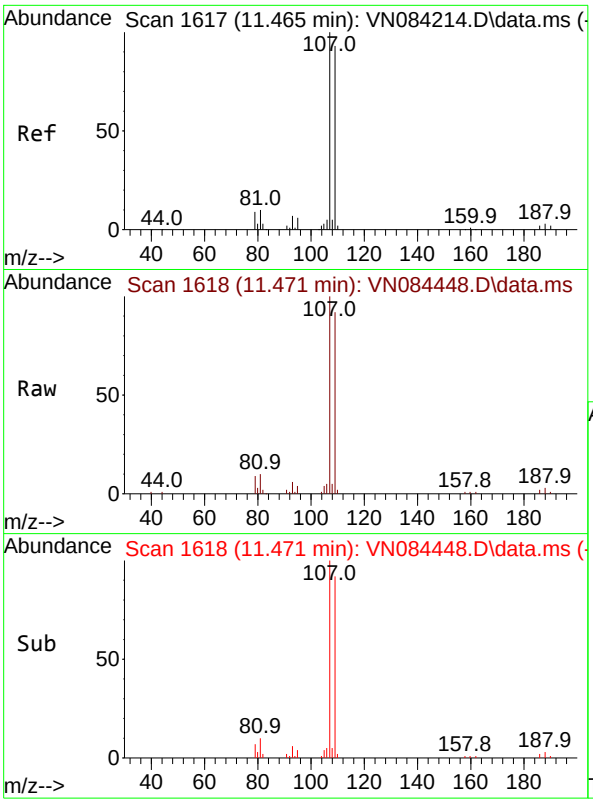


#60
Dibromochloromethane
Concen: 56.277 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:129 Resp: 122224

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9

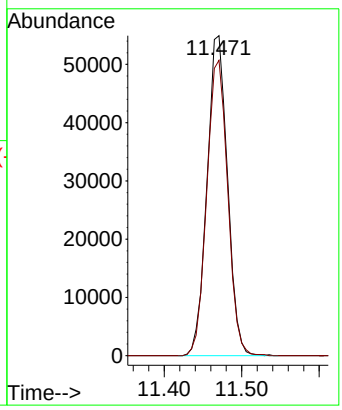




#61
1,2-Dibromoethane
Concen: 52.872 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:107 Resp: 10098

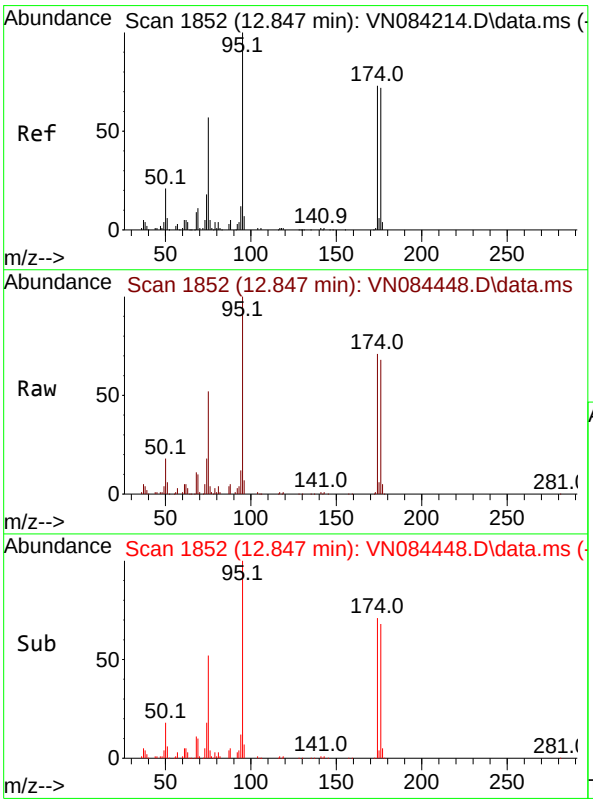
Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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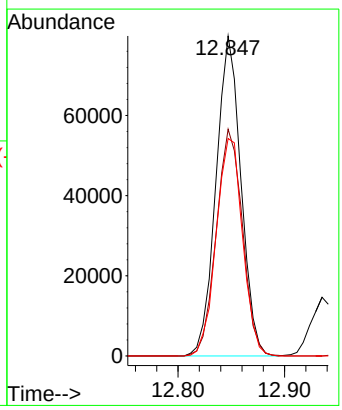
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

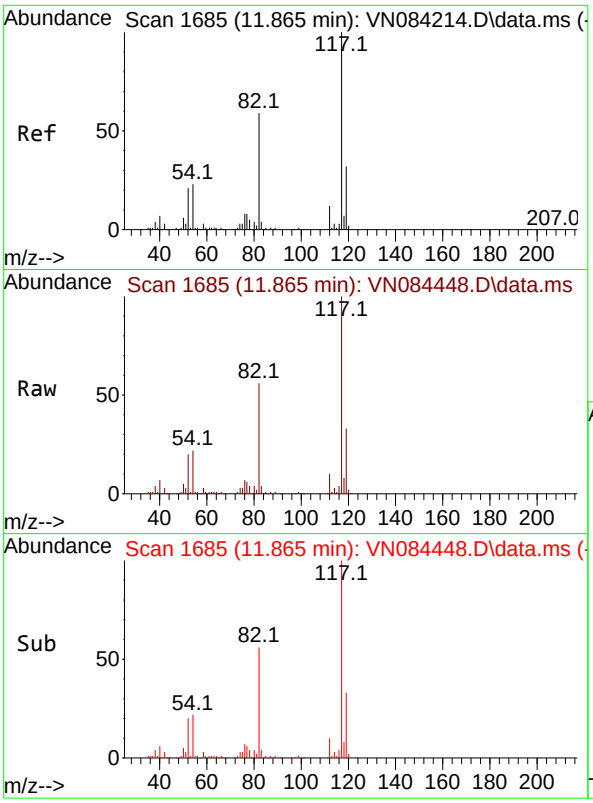


#62
4-Bromofluorobenzene
Concen: 52.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 95 Resp: 129892

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	72.0	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: VN084448.D
Acq: 21 Oct 2024 20:04

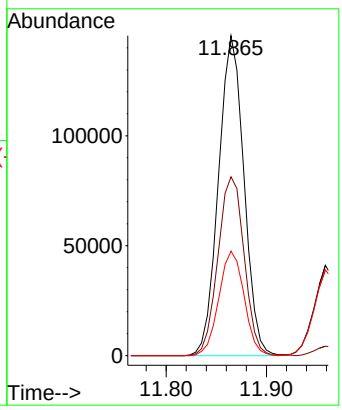
Tgt Ion:117 Resp: 25675

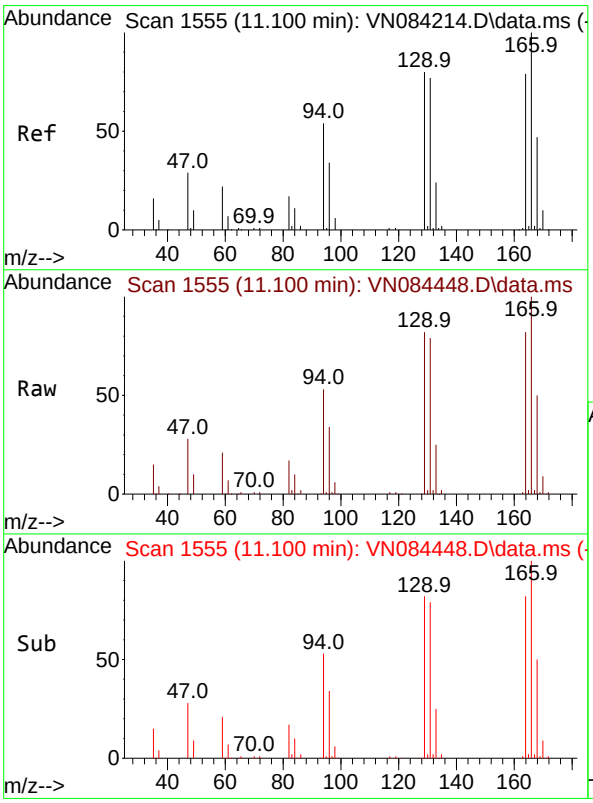
Ion	Ratio	Lower	Upper
117	100		
82	55.9	47.2	70.8
119	32.6	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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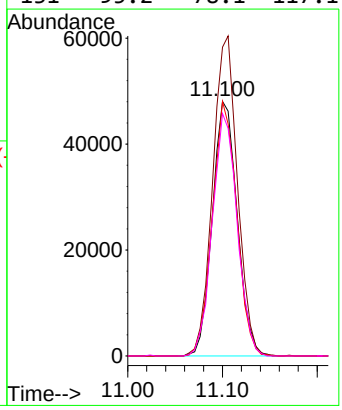


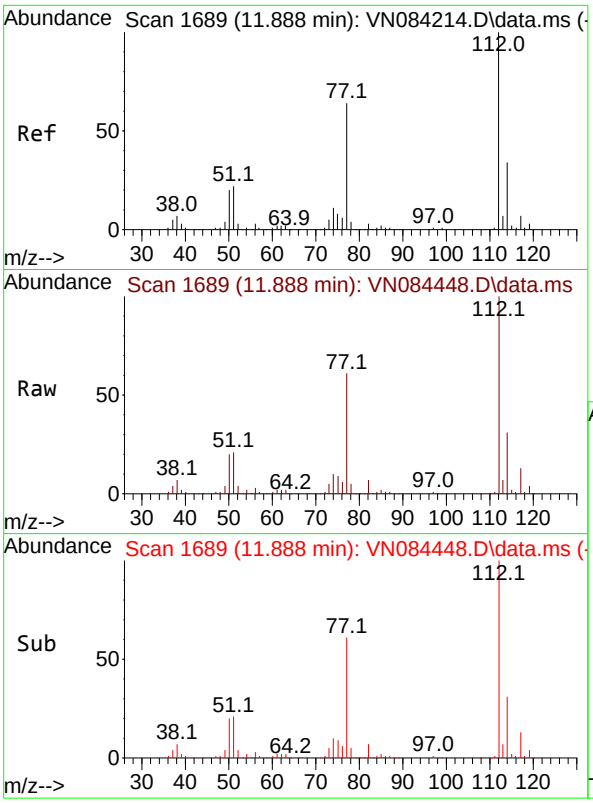


#64
Tetrachloroethene
Concen: 48.943 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:164 Resp: 87525

Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.0	151.4
129	99.9	80.8	121.2
131	95.2	78.1	117.1

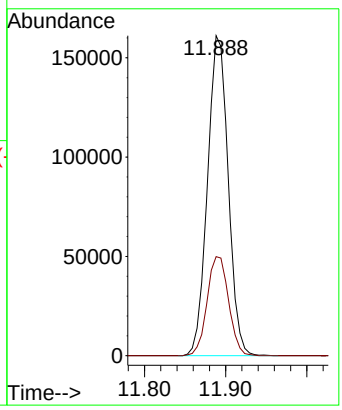




#65
Chlorobenzene
Concen: 50.105 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:112 Resp: 28523

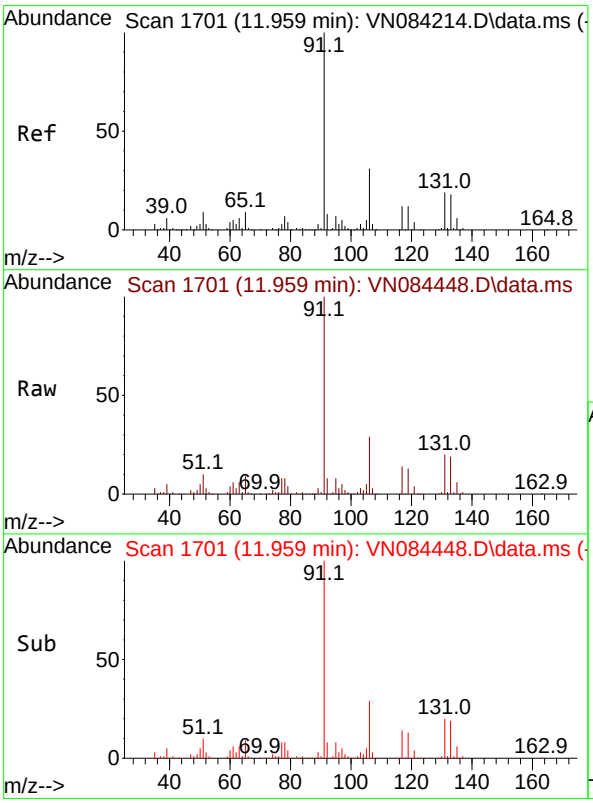
Ion	Ratio	Lower	Upper
112	100		
114	30.9	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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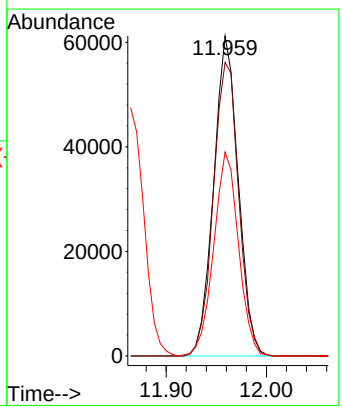
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

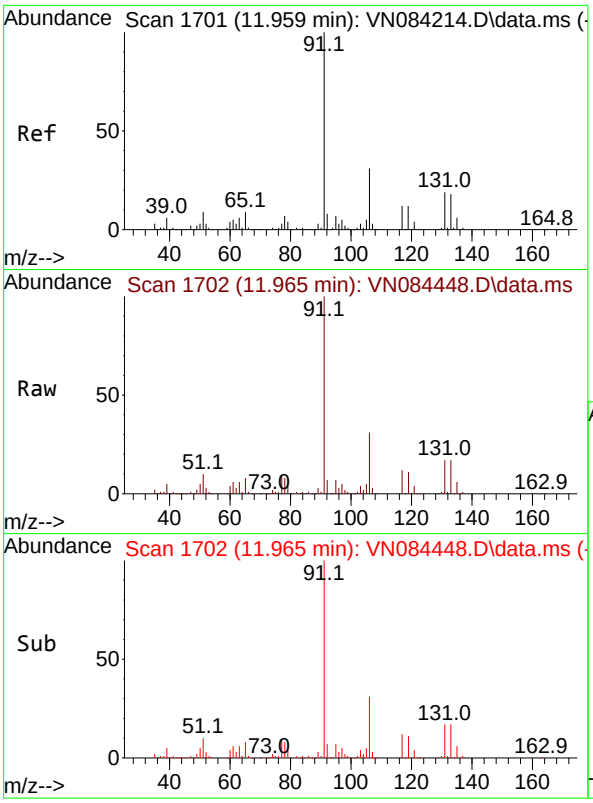


#66
1,1,1,2-Tetrachloroethane
Concen: 53.075 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:131 Resp: 104070

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.7
119	64.4	32.8	98.3

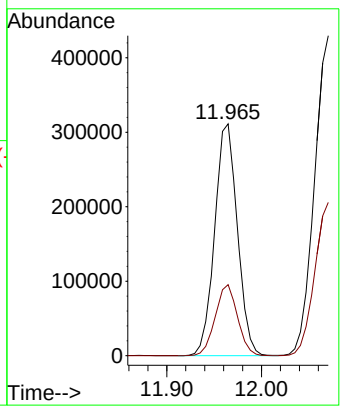




#67
Ethyl Benzene
Concen: 51.533 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 91 Resp: 51881

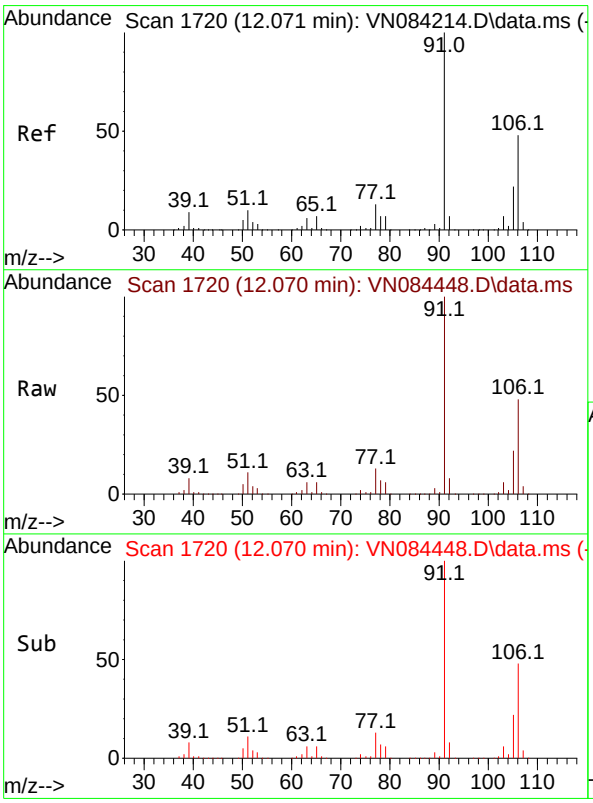
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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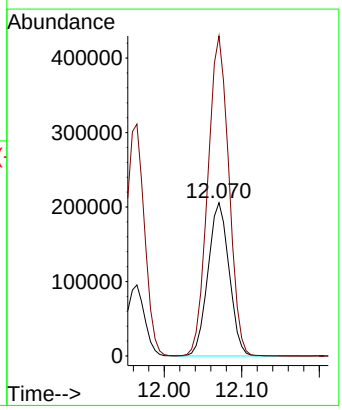
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

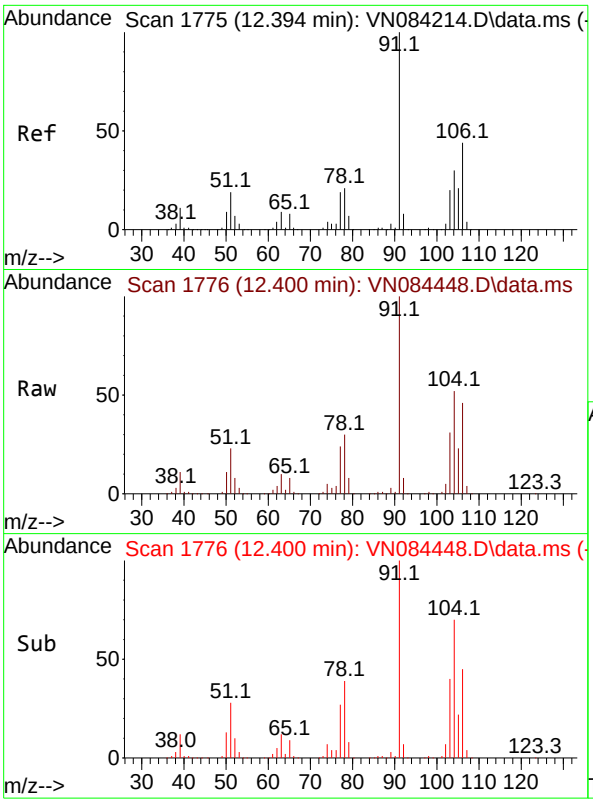


#68
m/p-Xylenes
Concen: 104.492 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:106 Resp: 389131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7

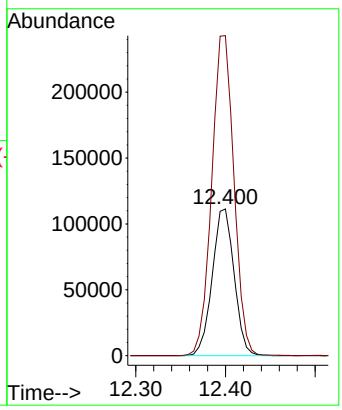




#69
o-Xylene
Concen: 53.503 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:106 Resp: 18851

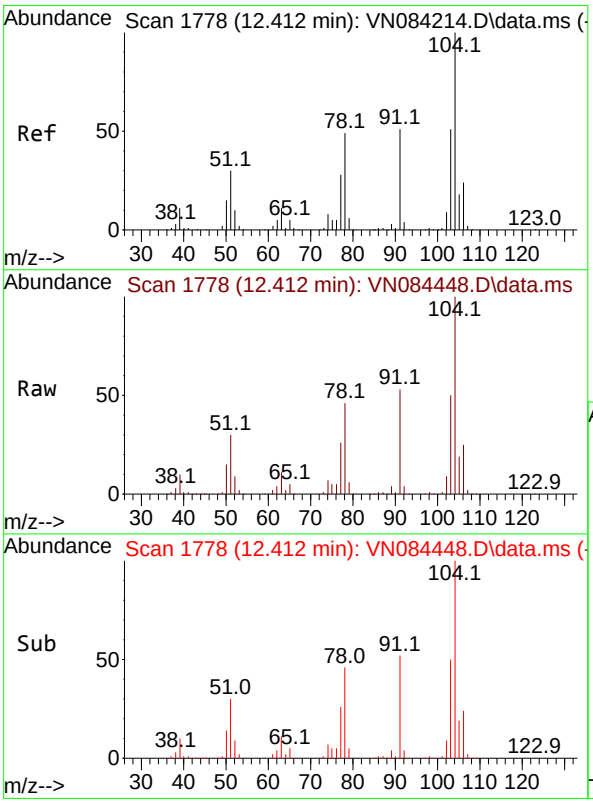
Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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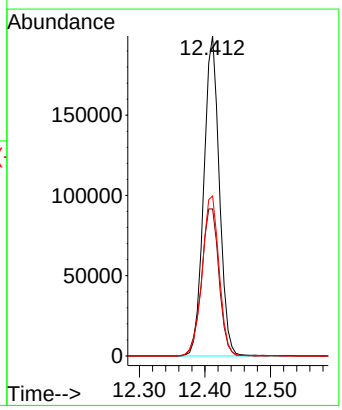
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

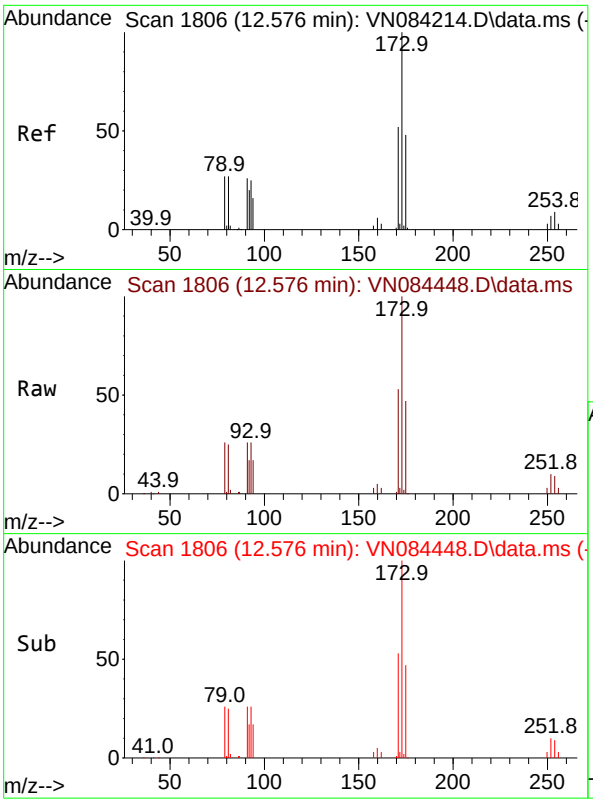


#70
Styrene
Concen: 55.268 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:104 Resp: 329833

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.3	43.6	65.4





#71
Bromoform
Concen: 54.365 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

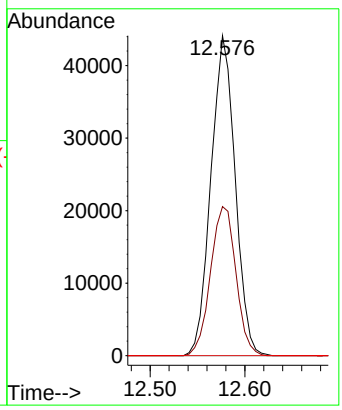
Tgt Ion:173 Resp: 7848

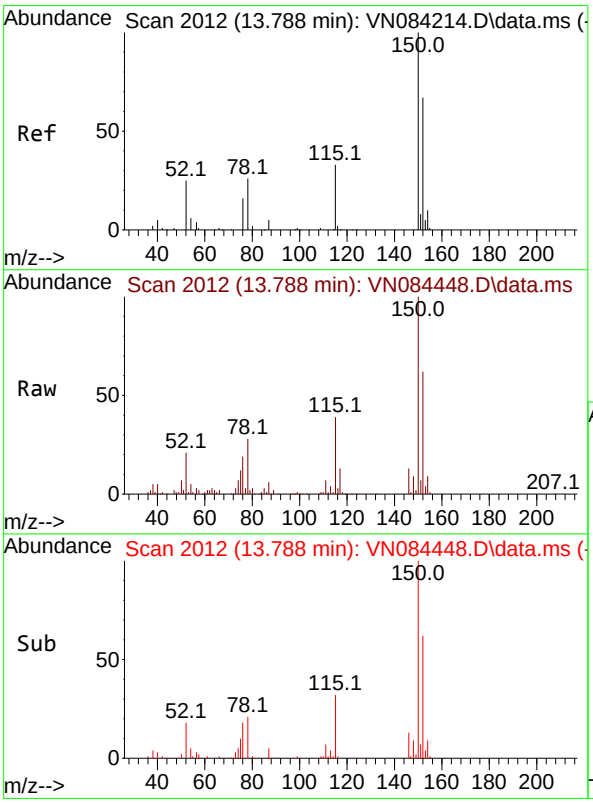
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

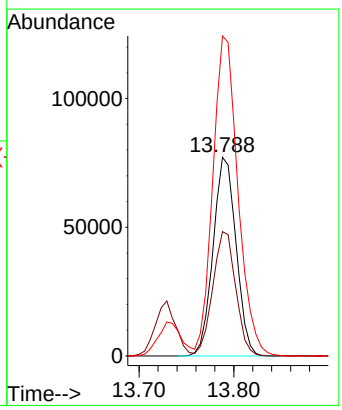


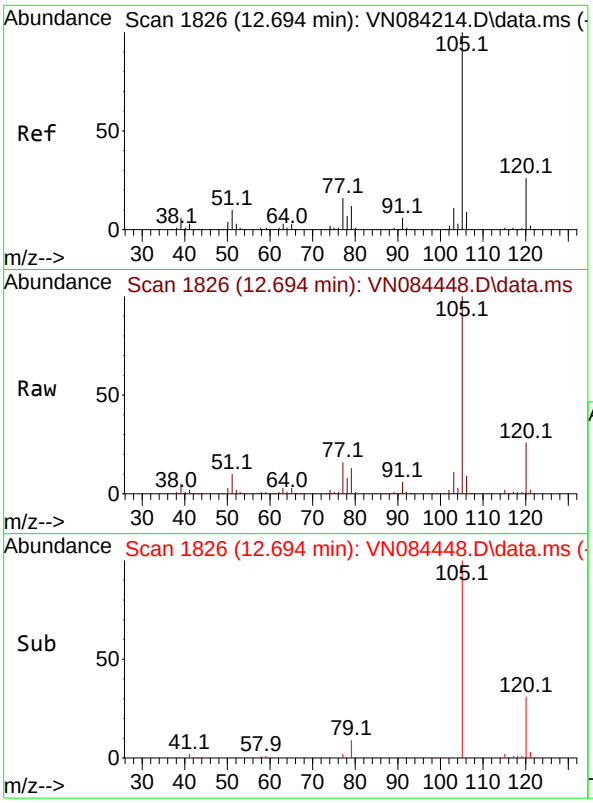


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:152 Resp: 130386

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	175.6	0.0	349.8

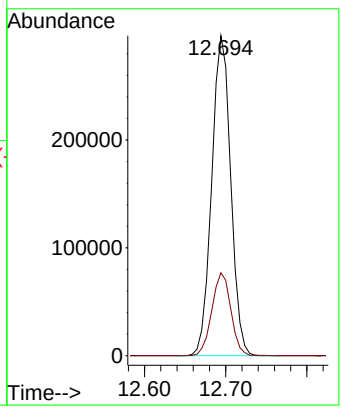




#73
Isopropylbenzene
Concen: 48.507 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:105 Resp: 48262

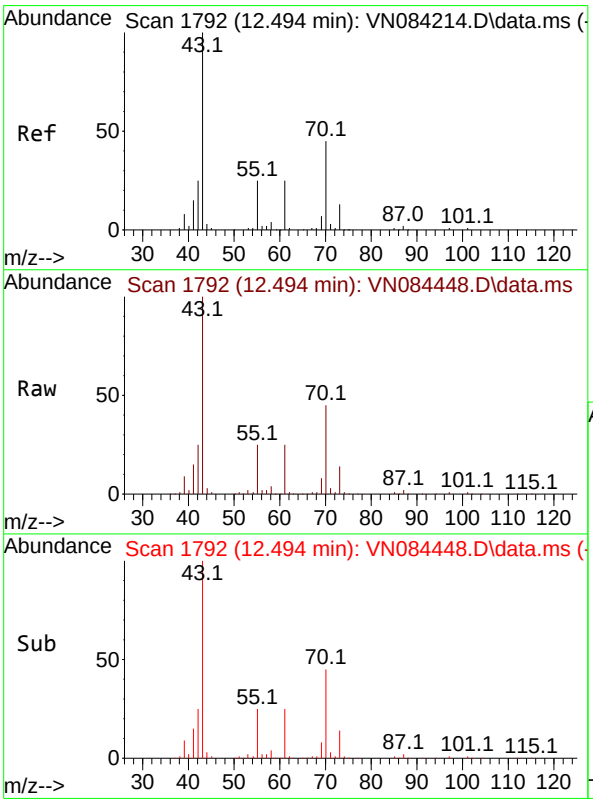
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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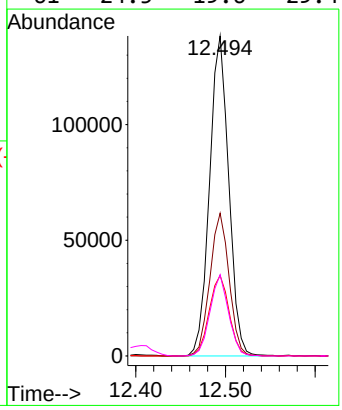
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

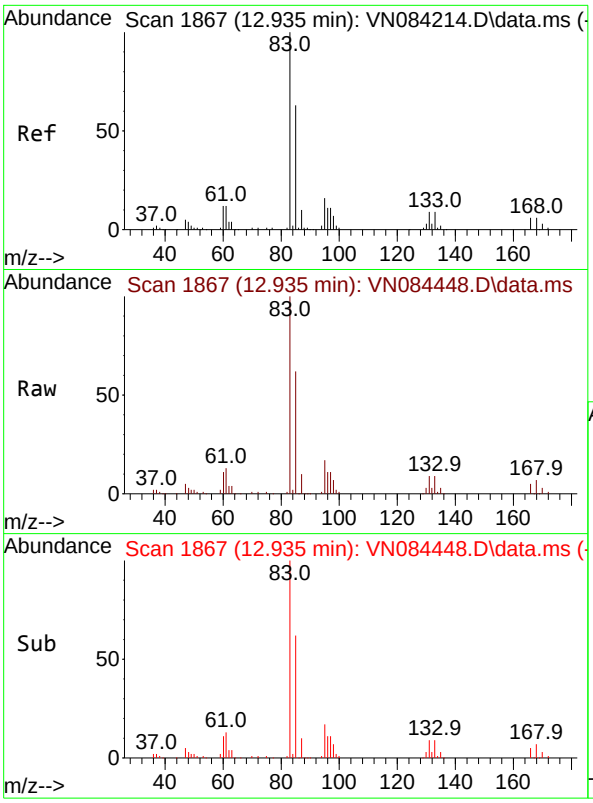


#74
N-amyl acetate
Concen: 45.614 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 205514

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.4	51.6
55	26.1	19.6	29.4
61	24.5	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 50.155 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

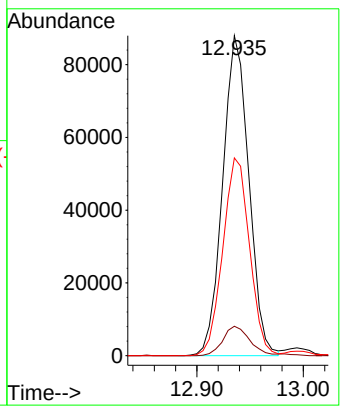
Tgt Ion: 83 Resp: 15005

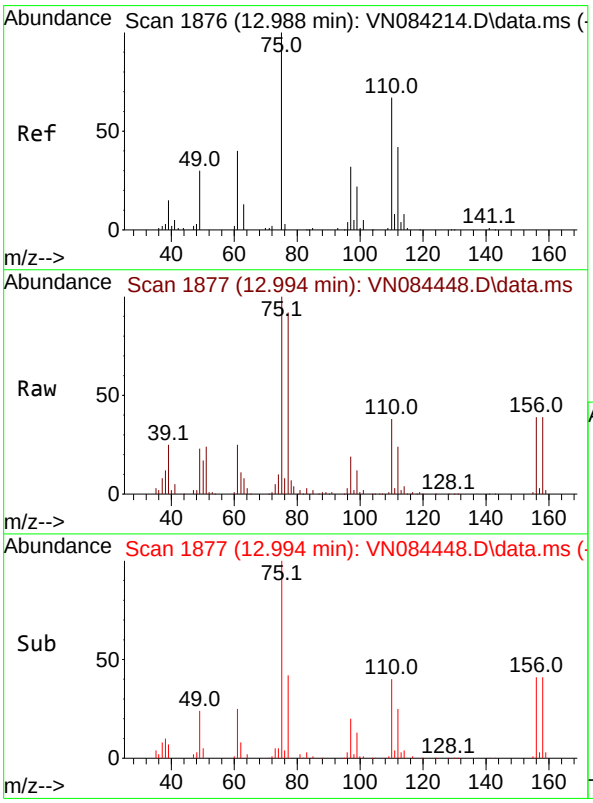
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.2	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

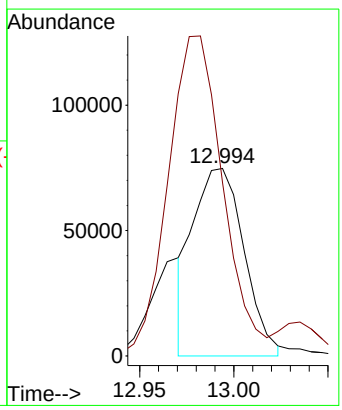


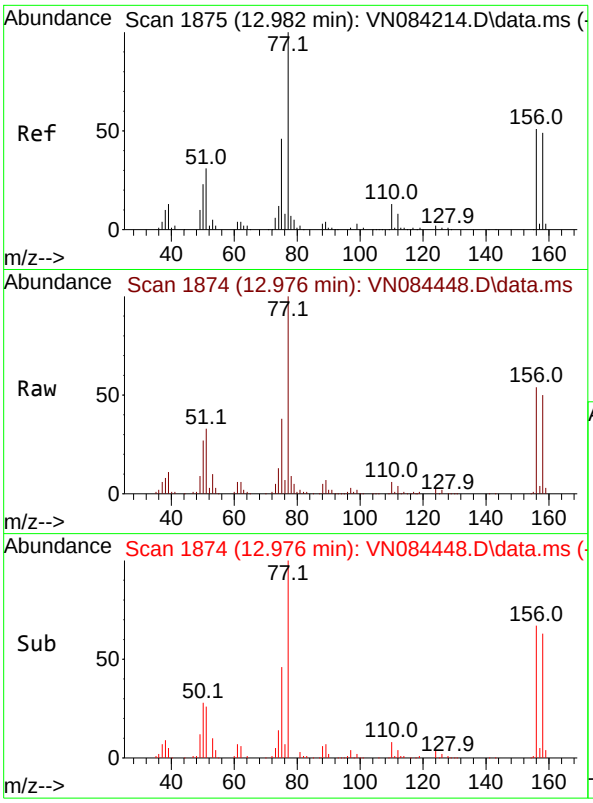


#76
1,2,3-Trichloropropane
Concen: 52.758 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 140435

Ion	Ratio	Lower	Upper
75	100		
77	184.0	96.9	290.7

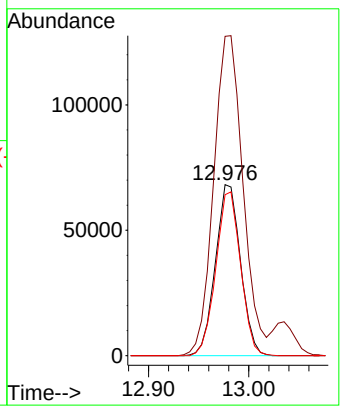




#77
Bromobenzene
Concen: 49.239 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:156 Resp: 11817

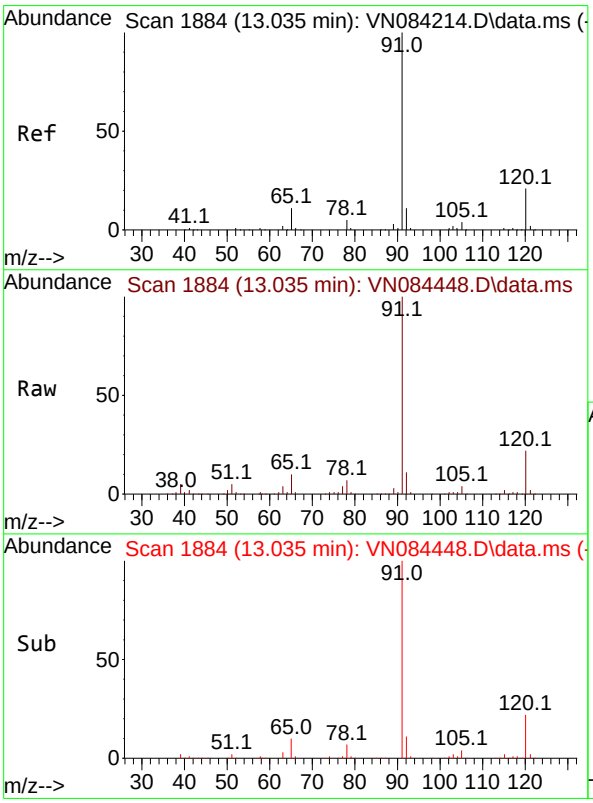
Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	94.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

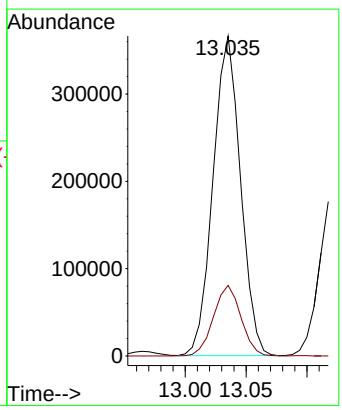
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

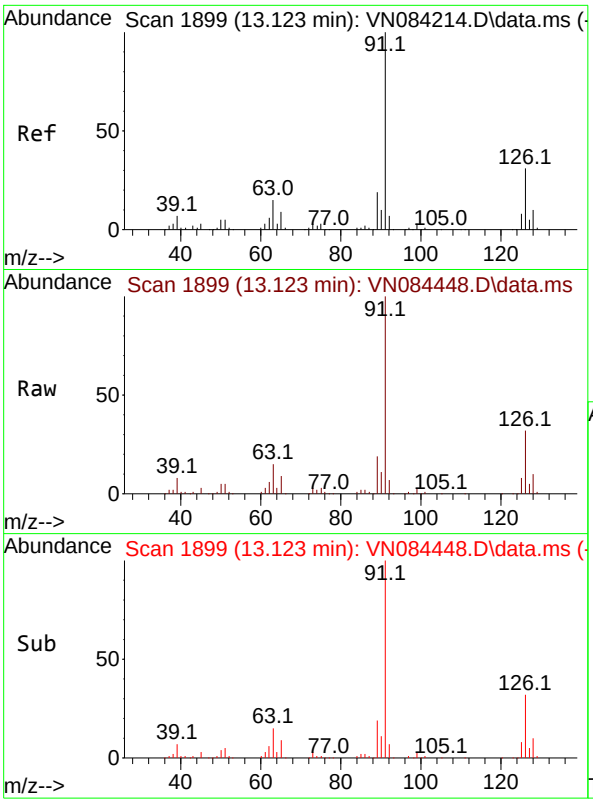


#78
n-propylbenzene
Concen: 49.748 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 91 Resp: 573481

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4

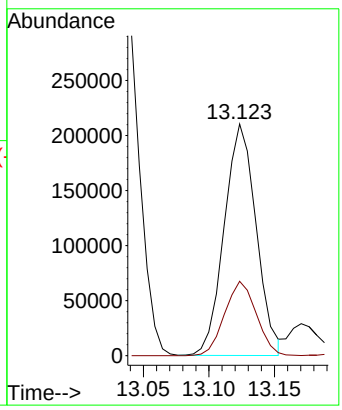




#79
2-Chlorotoluene
Concen: 48.450 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 91 Resp: 35639

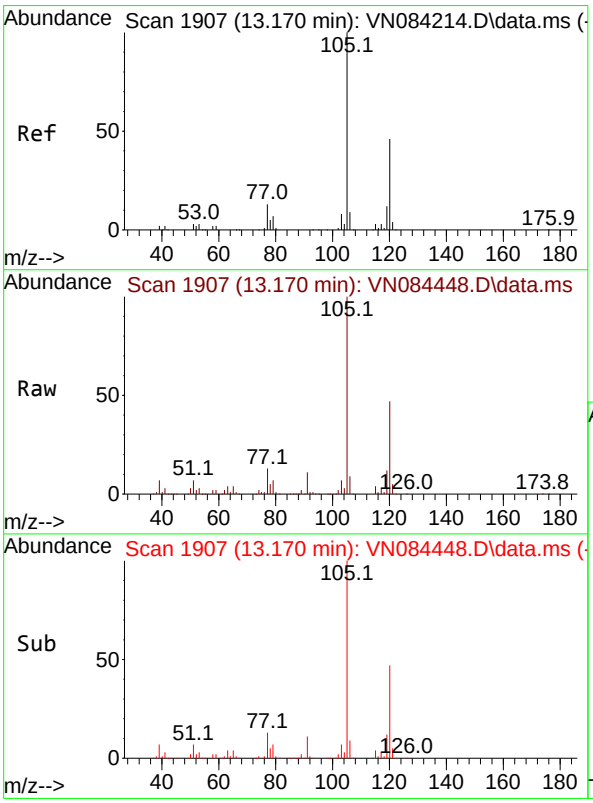
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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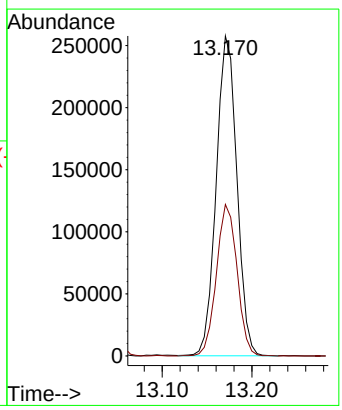
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

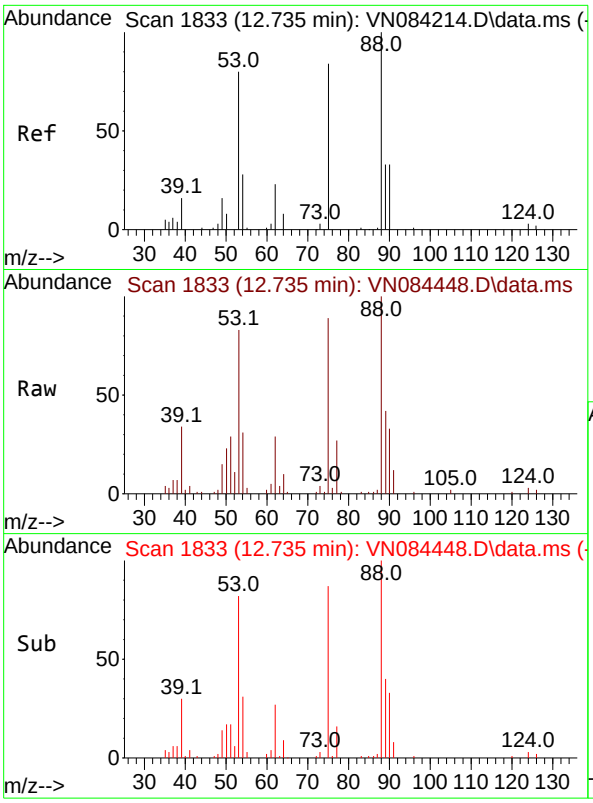


#80
1,3,5-Trimethylbenzene
Concen: 50.681 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:105 Resp: 411332

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 49.901 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

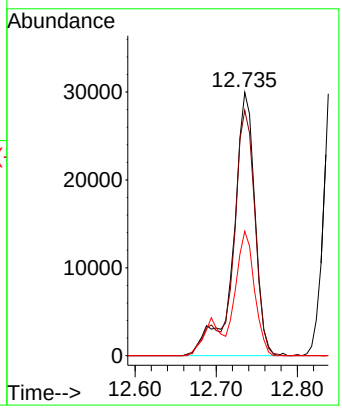
Tgt Ion: 75 Resp: 5540

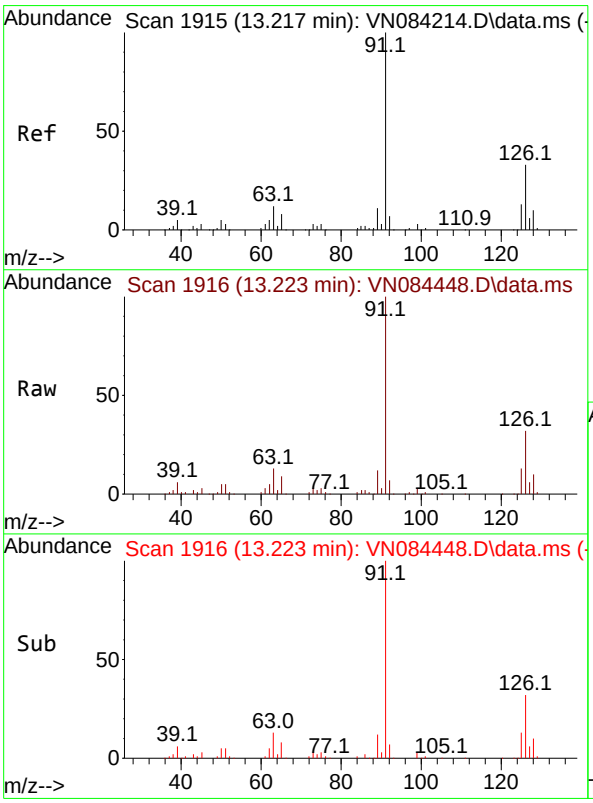
Ion	Ratio	Lower	Upper
75	100		
53	85.1	78.0	117.0
89	40.5	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

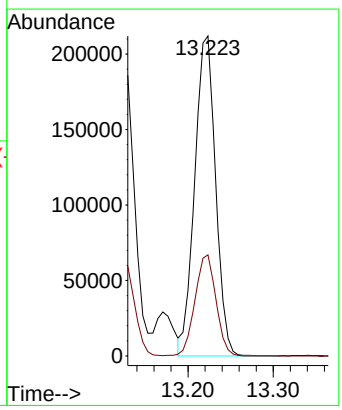


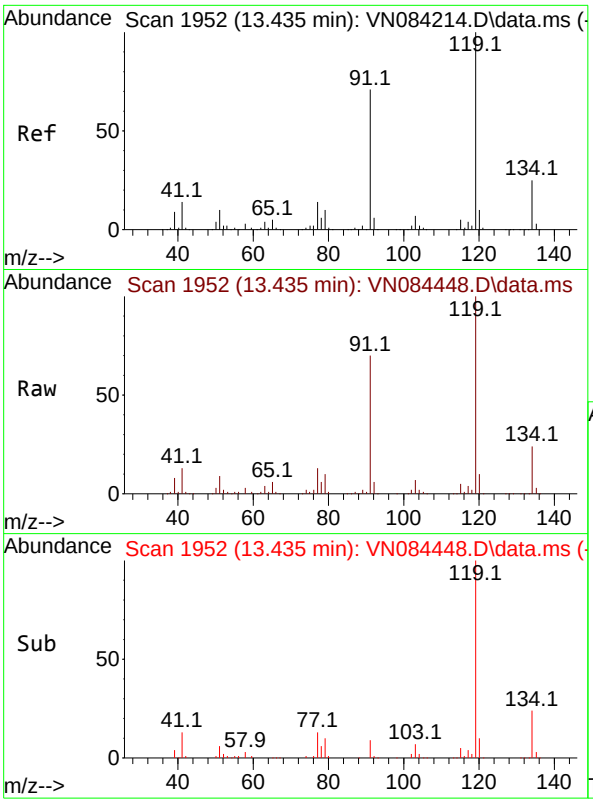


#82
4-Chlorotoluene
Concen: 48.730 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 91 Resp: 360840

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

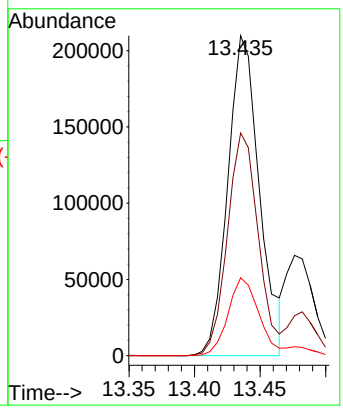




#83
tert-Butylbenzene
Concen: 48.923 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:119 Resp: 352909

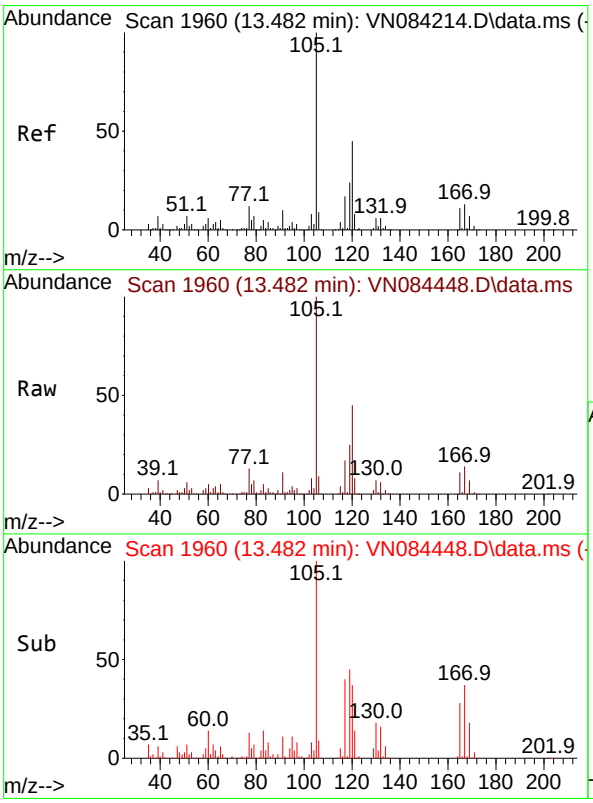
Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	24.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

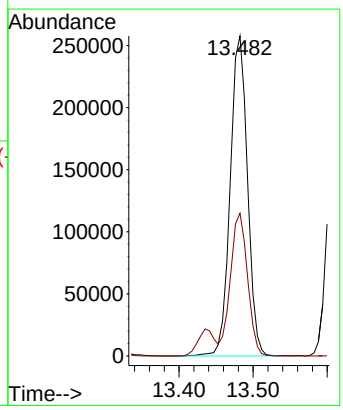
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

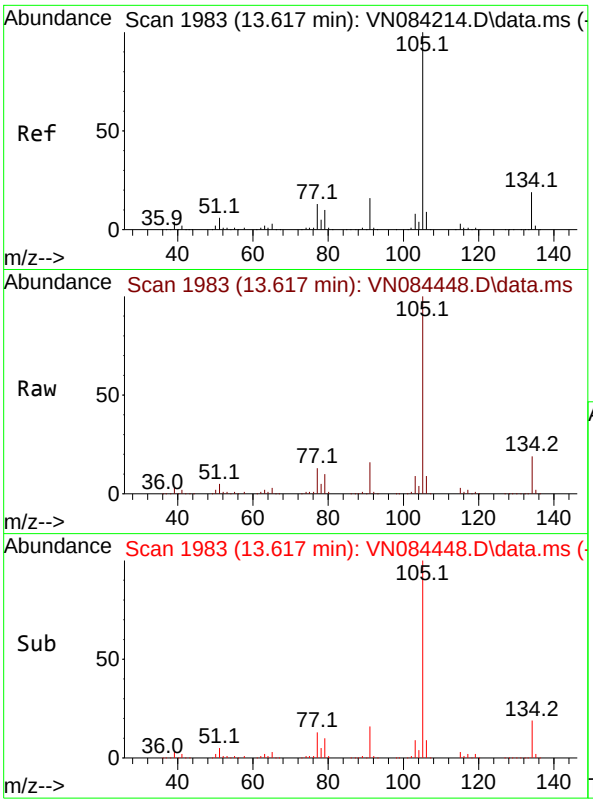


#84
1,2,4-Trimethylbenzene
Concen: 50.992 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:105 Resp: 416913

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8





#85
sec-Butylbenzene
Concen: 50.124 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

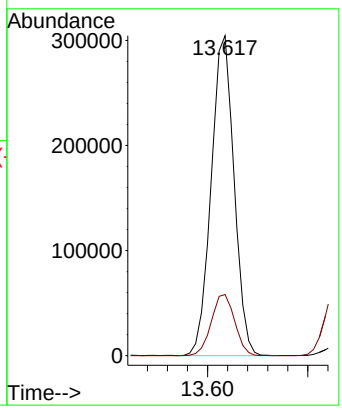
Tgt Ion:105 Resp: 48248

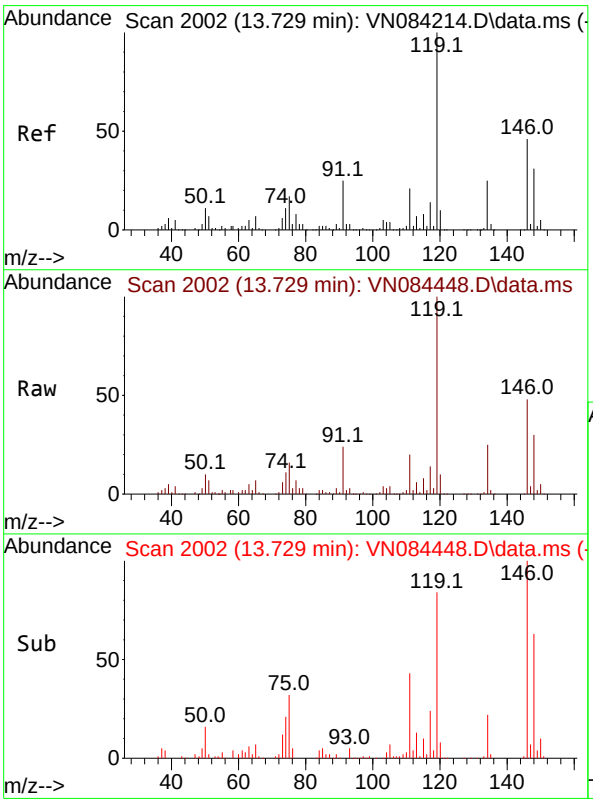
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

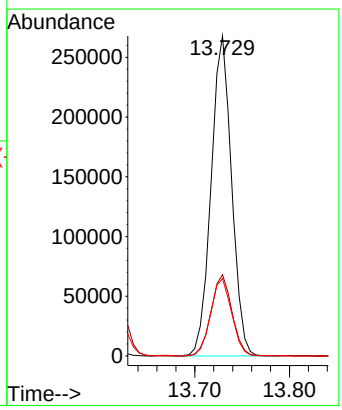


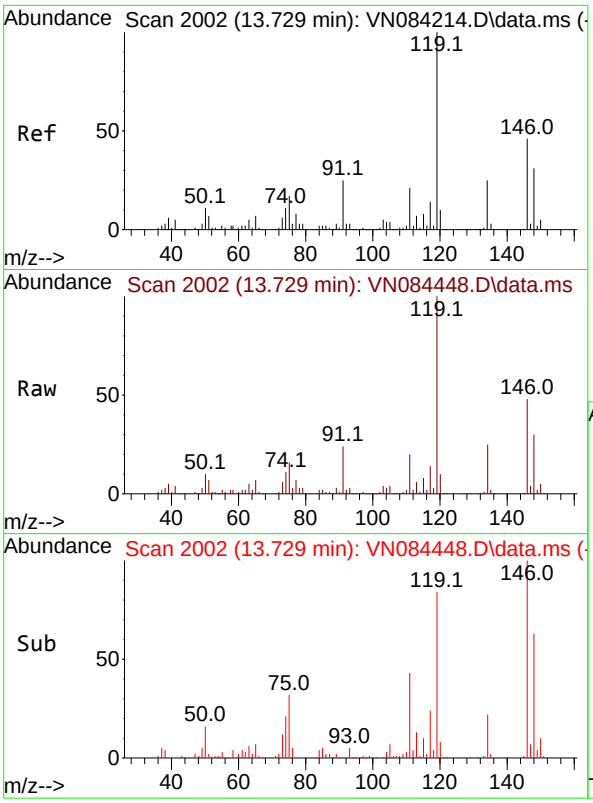


#86
p-Isopropyltoluene
Concen: 50.755 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:119 Resp: 404005

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.9	12.4	37.2

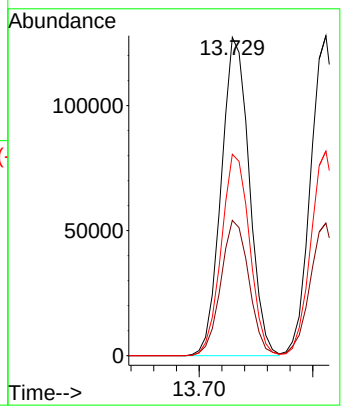




#87
1,3-Dichlorobenzene
Concen: 48.345 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:146 Resp: 21766

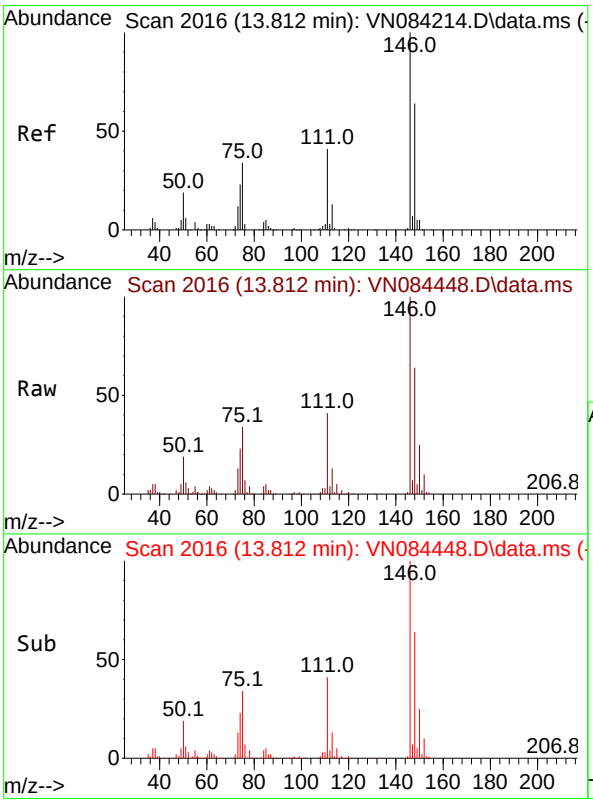
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.9	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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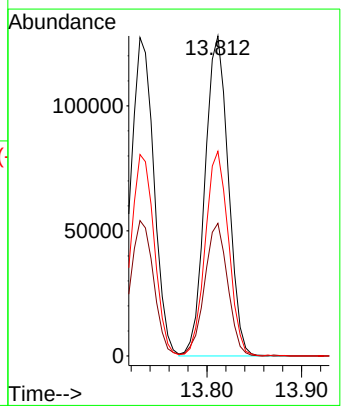
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

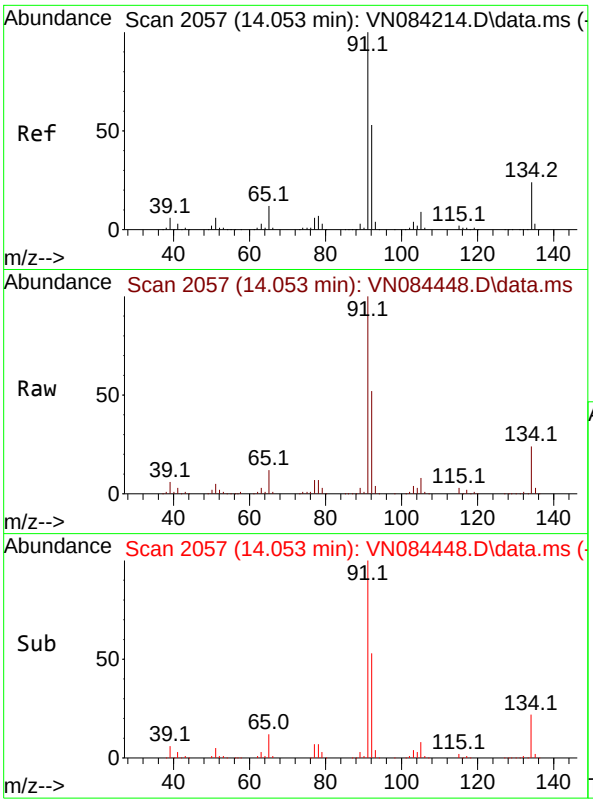


#88
1,4-Dichlorobenzene
Concen: 48.056 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:146 Resp: 218499

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	63.8	31.9	95.9





#89
n-Butylbenzene
Concen: 47.437 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

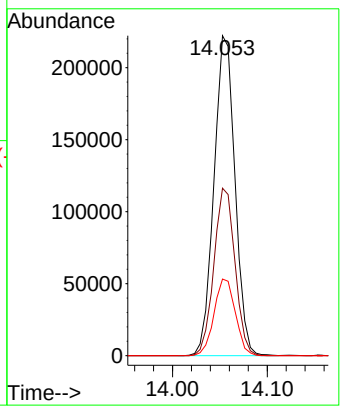
Tgt Ion: 91 Resp: 34238

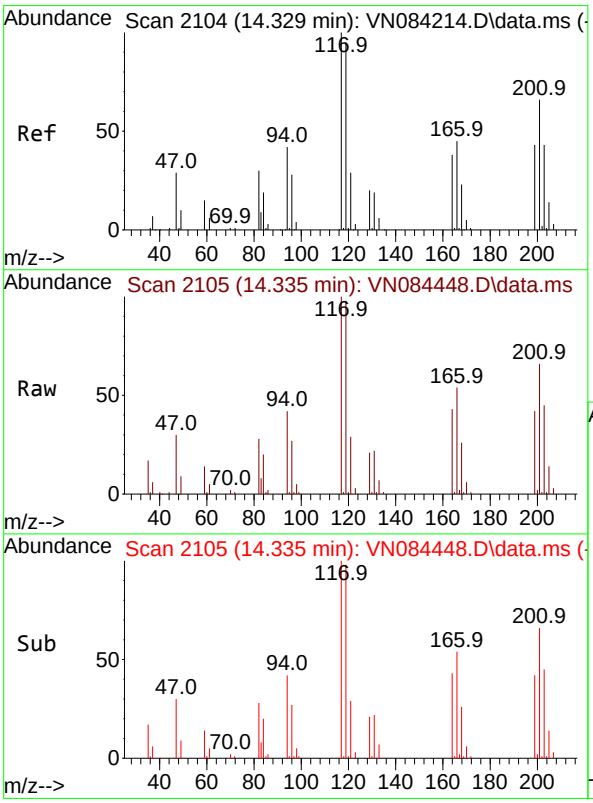
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	24.3	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

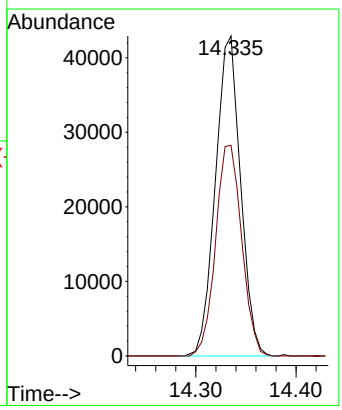


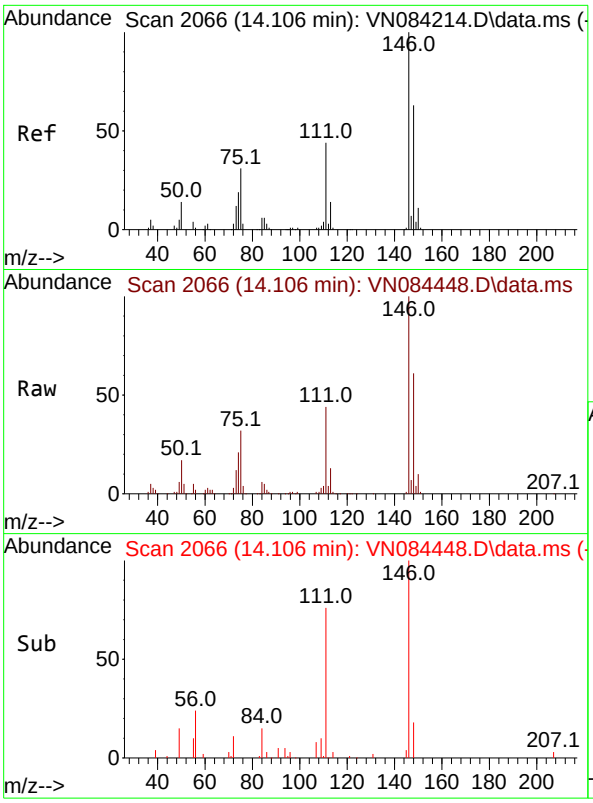


#90
Hexachloroethane
Concen: 46.151 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:117 Resp: 74567

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.4	103.2

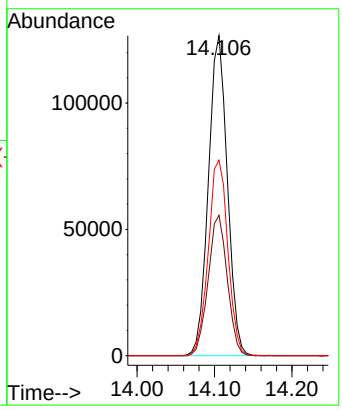




#91
1,2-Dichlorobenzene
Concen: 48.690 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:146 Resp: 21495

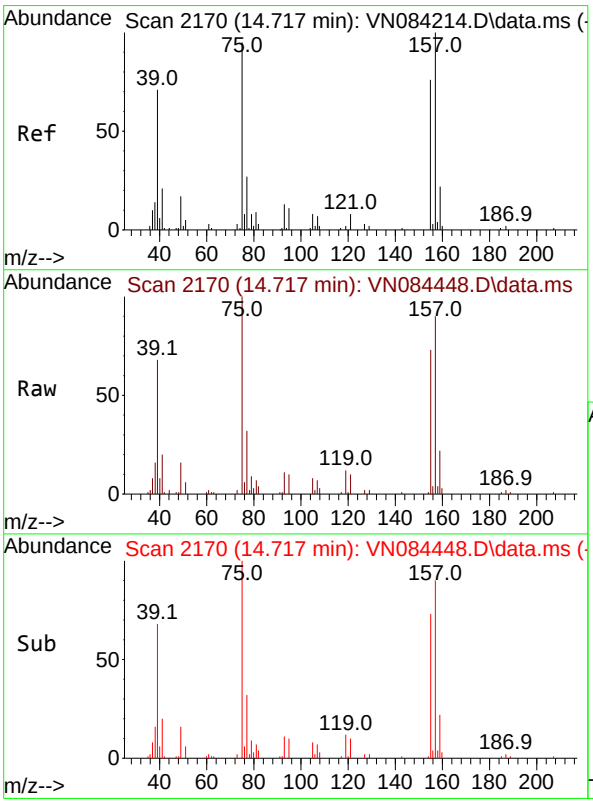
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	62.9	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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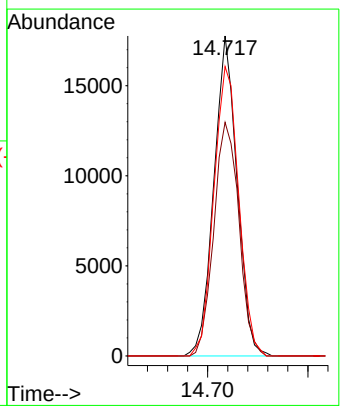
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

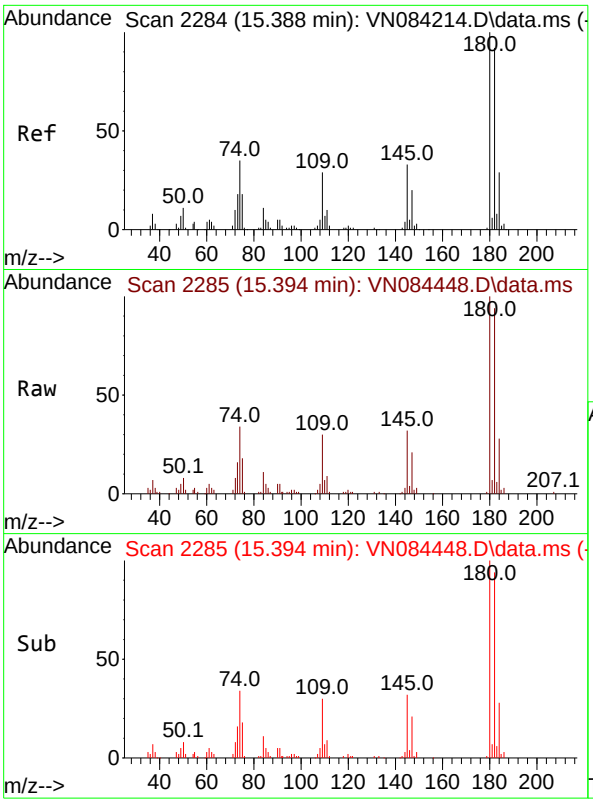


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.312 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 28592

Ion	Ratio	Lower	Upper
75	100		
155	78.9	38.1	114.5
157	96.6	49.6	149.0

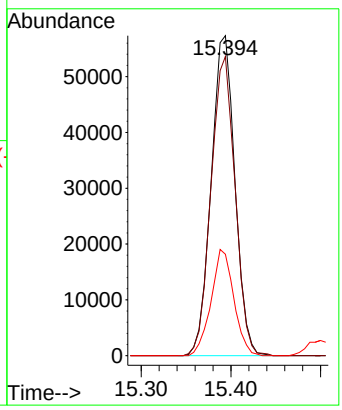




#93
1,2,4-Trichlorobenzene
Concen: 48.359 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:180 Resp: 10515

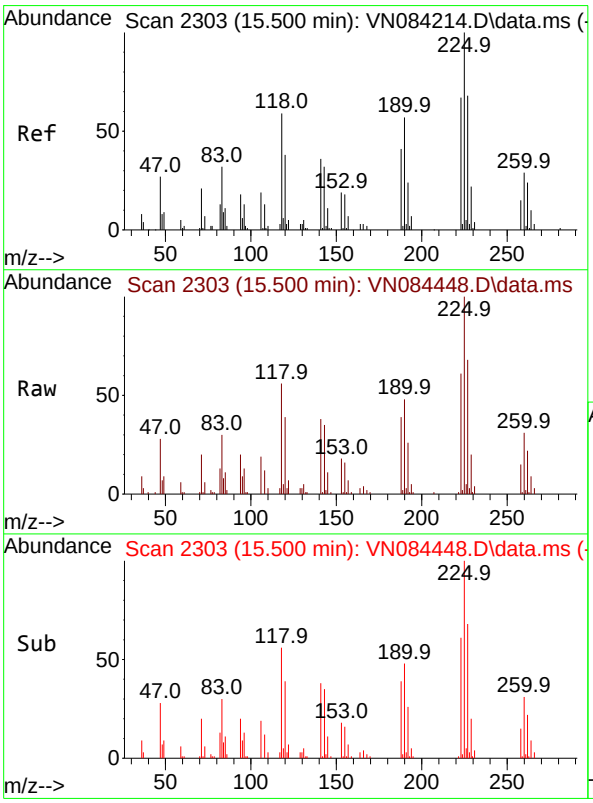
Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	31.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

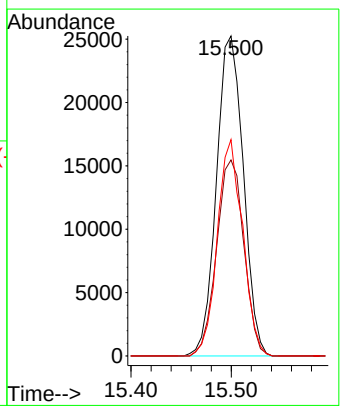
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

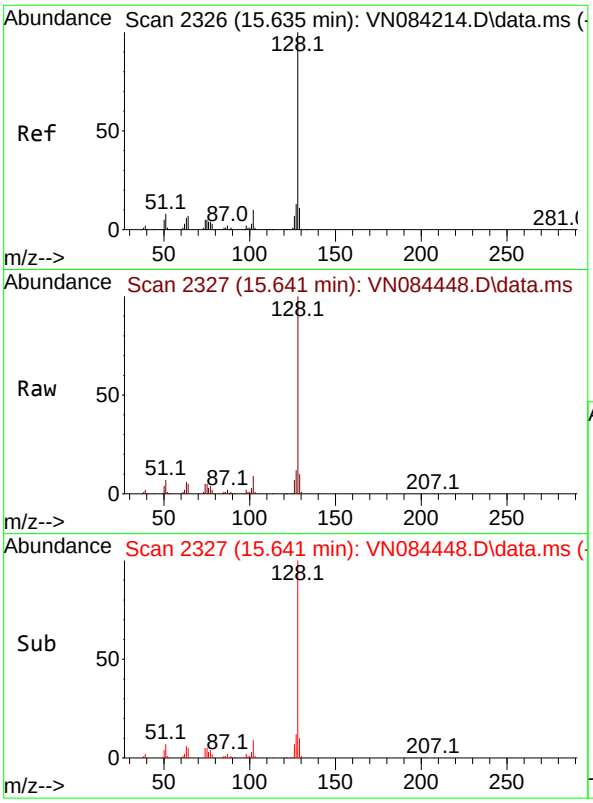


#94
Hexachlorobutadiene
Concen: 43.364 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:225 Resp: 47024

Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.4	97.2
227	63.8	32.4	97.0

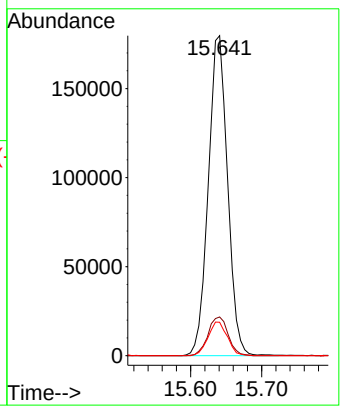




#95
Naphthalene
Concen: 46.938 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:128 Resp: 33836

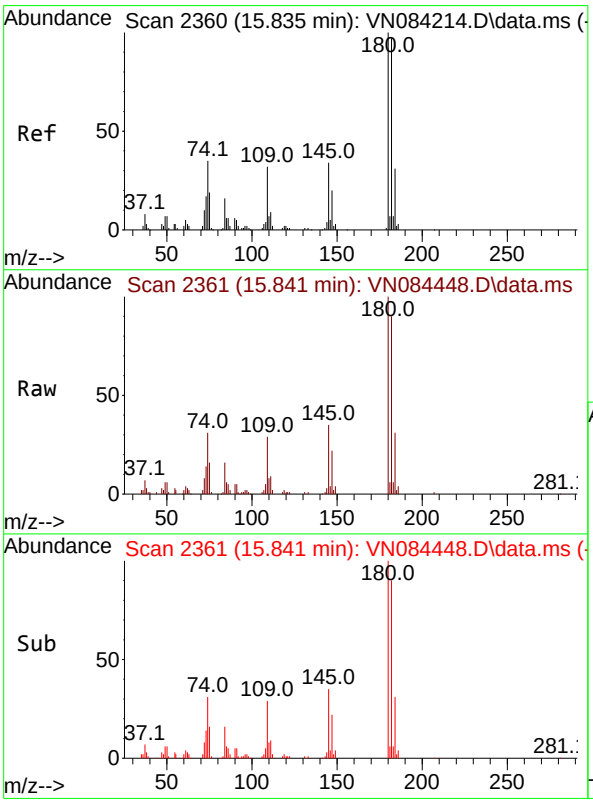
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.5	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

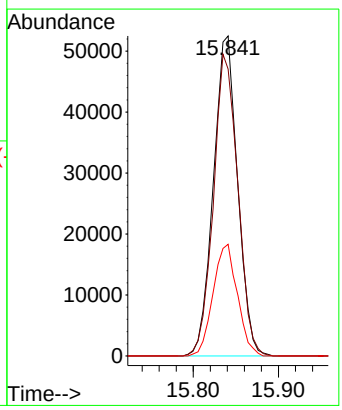
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.602 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:180 Resp: 103615

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.2	144.6
145	35.1	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:42:17 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	94	0.00
2	T	Dichlorodifluoromethane	0.591	0.516	12.7	79	0.00
3	P	Chloromethane	0.675	0.575	14.8	80	0.00
4	C	Vinyl Chloride	0.654	0.580	11.3#	81	0.00
5	T	Bromomethane	0.431	0.354	17.9	77	-0.01
6	T	Chloroethane	0.468	0.379	19.0	85	0.00
7	T	Trichlorofluoromethane	1.019	0.994	2.5	88	0.00
8	T	Diethyl Ether	0.378	0.369	2.4	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.584	0.582	0.3	92	0.00
10	T	Methyl Iodide	0.752	0.719	4.4	84	0.00
11	T	Tert butyl alcohol	0.122	0.102	16.4	78	0.00
12	CM	1,1-Dichloroethene	0.563	0.556	1.2#	89	0.00
13	T	Acrolein	0.140	0.105	25.0#	69	0.00
14	T	Allyl chloride	0.978	0.856	12.5	81	0.00
15	T	Acrylonitrile	0.309	0.322	-4.2	95	0.00
16	T	Acetone	0.318	0.255	19.8	70	0.00
17	T	Carbon Disulfide	1.782	1.354	24.0	74	0.00
18	T	Methyl Acetate	0.694	0.826	-19.0	109	0.00
19	T	Methyl tert-butyl Ether	1.900	1.972	-3.8	91	0.00
20	T	Methylene Chloride	0.647	0.658	-1.7	94	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.582	1.4	88	0.00
22	T	Diisopropyl ether	2.022	2.098	-3.8	91	0.00
23	T	Vinyl Acetate	1.500	1.432	4.5	81	0.00
24	P	1,1-Dichloroethane	1.131	1.157	-2.3	91	0.00
25	T	2-Butanone	0.434	0.406	6.5	84	0.00
26	T	2,2-Dichloropropane	1.020	0.912	10.6	79	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.722	-1.3	91	0.00
28	T	Bromochloromethane	0.505	0.479	5.1	91	0.00
29	T	Tetrahydrofuran	0.268	0.269	-0.4	89	0.00
30	C	Chloroform	1.175	1.226	-4.3#	95	0.00
31	T	Cyclohexane	1.098	0.934	14.9	82	0.00
32	T	1,1,1-Trichloroethane	1.055	1.082	-2.6	92	0.00
33	S	1,2-Dichloroethane-d4	0.741	0.710	4.2	90	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.330	0.343	-3.9	98	0.00
36	T	1,1-Dichloropropene	0.479	0.472	1.5	86	0.00
37	T	Ethyl Acetate	0.491	0.472	3.9	87	0.00
38	T	Carbon Tetrachloride	0.525	0.534	-1.7	90	0.00
39	T	Methylcyclohexane	0.533	0.493	7.5	78	0.00
40	TM	Benzene	1.492	1.520	-1.9	91	0.00
41	T	Methacrylonitrile	0.267	0.273	-2.2	88	0.00
42	TM	1,2-Dichloroethane	0.506	0.507	-0.2	89	0.00
43	T	Isopropyl Acetate	0.962	0.816	15.2	84	0.00
44	TM	Trichloroethene	0.348	0.353	-1.4	90	0.00
45	C	1,2-Dichloropropane	0.353	0.379	-7.4#	93	0.00
46	T	Dibromomethane	0.238	0.265	-11.3	95	0.00
47	T	Bromodichloromethane	0.529	0.566	-7.0	94	0.00
48	T	Methyl methacrylate	0.383	0.390	-1.8	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:42:17 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	89	0.00
50	S	Toluene-d8	1.213	1.259	-3.8	94	0.00
51	T	4-Methyl-2-Pentanone	0.468	0.503	-7.5	92	0.00
52	CM	Toluene	0.910	0.953	-4.7#	91	0.00
53	T	t-1,3-Dichloropropene	0.539	0.551	-2.2	87	0.00
54	T	cis-1,3-Dichloropropene	0.580	0.604	-4.1	88	0.00
55	T	1,1,2-Trichloroethane	0.326	0.361	-10.7	96	0.00
56	T	Ethyl methacrylate	0.537	0.587	-9.3	90	0.00
57	T	1,3-Dichloropropane	0.583	0.623	-6.9	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.277	-11.2	92	0.00
59	T	2-Hexanone	0.349	0.364	-4.3	87	0.00
60	T	Dibromochloromethane	0.385	0.434	-12.7	96	0.00
61	T	1,2-Dibromoethane	0.339	0.358	-5.6	93	0.00
62	S	4-Bromofluorobenzene	0.442	0.461	-4.3	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.348	0.341	2.0	92	0.00
65	PM	Chlorobenzene	1.109	1.111	-0.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.382	0.405	-6.0	97	0.00
67	C	Ethyl Benzene	1.961	2.021	-3.1#	92	0.00
68	T	m/p-Xylenes	0.725	0.758	-4.6	91	0.00
69	T	o-Xylene	0.686	0.734	-7.0	92	0.00
70	T	Styrene	1.162	1.285	-10.6	95	0.00
71	P	Bromoform	0.281	0.306	-8.9	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.815	3.702	3.0	91	0.00
74	T	N-amyl acetate	1.728	1.576	8.8	87	0.00
75	P	1,1,2,2-Tetrachloroethane	1.147	1.151	-0.3	99	0.00
76	T	1,2,3-Trichloropropane	1.021	1.077	-5.5	98	0.00
77	T	Bromobenzene	0.920	0.906	1.5	98	0.00
78	T	n-propylbenzene	4.421	4.398	0.5	92	0.00
79	T	2-Chlorotoluene	2.821	2.733	3.1	93	0.00
80	T	1,3,5-Trimethylbenzene	3.112	3.155	-1.4	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.426	0.425	0.2	96	0.00
82	T	4-Chlorotoluene	2.840	2.767	2.6	93	0.00
83	T	tert-Butylbenzene	2.766	2.707	2.1	91	0.00
84	T	1,2,4-Trimethylbenzene	3.135	3.198	-2.0	93	0.00
85	T	sec-Butylbenzene	3.691	3.700	-0.2	91	0.00
86	T	p-Isopropyltoluene	3.052	3.099	-1.5	90	0.00
87	T	1,3-Dichlorobenzene	1.727	1.669	3.4	95	0.00
88	T	1,4-Dichlorobenzene	1.744	1.676	3.9	96	0.00
89	T	n-Butylbenzene	2.768	2.626	5.1	87	0.00
90	T	Hexachloroethane	0.620	0.572	7.7	91	0.00
91	T	1,2-Dichlorobenzene	1.693	1.649	2.6	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.219	7.6	94	0.00
93	T	1,2,4-Trichlorobenzene	0.834	0.806	3.4	88	0.00
94	T	Hexachlorobutadiene	0.416	0.361	13.2	93	0.00
95	T	Naphthalene	2.764	2.595	6.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:42:17 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	0.795	4.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:42:17 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	94	0.00
2	T	Dichlorodifluoromethane	50.000	43.654	12.7	79	0.00
3	P	Chloromethane	50.000	42.550	14.9	80	0.00
4	C	Vinyl Chloride	50.000	44.316	11.4#	81	0.00
5	T	Bromomethane	50.000	41.035	17.9	77	-0.01
6	T	Chloroethane	50.000	40.462	19.1	85	0.00
7	T	Trichlorofluoromethane	50.000	48.786	2.4	88	0.00
8	T	Diethyl Ether	50.000	48.772	2.5	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.837	0.3	92	0.00
10	T	Methyl Iodide	50.000	47.834	4.3	84	0.00
11	T	Tert butyl alcohol	250.000	209.300	16.3	78	0.00
12	CM	1,1-Dichloroethene	50.000	49.352	1.3#	89	0.00
13	T	Acrolein	250.000	186.809	25.3#	69	0.00
14	T	Allyl chloride	50.000	43.772	12.5	81	0.00
15	T	Acrylonitrile	250.000	261.006	-4.4	95	0.00
16	T	Acetone	250.000	200.235	19.9	70	0.00
17	T	Carbon Disulfide	50.000	37.994	24.0	74	0.00
18	T	Methyl Acetate	50.000	59.505	-19.0	109	0.00
19	T	Methyl tert-butyl Ether	50.000	51.897	-3.8	91	0.00
20	T	Methylene Chloride	50.000	50.844	-1.7	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.315	1.4	88	0.00
22	T	Diisopropyl ether	50.000	51.879	-3.8	91	0.00
23	T	Vinyl Acetate	250.000	238.618	4.6	81	0.00
24	P	1,1-Dichloroethane	50.000	51.145	-2.3	91	0.00
25	T	2-Butanone	250.000	233.725	6.5	84	0.00
26	T	2,2-Dichloropropane	50.000	44.706	10.6	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.655	-1.3	91	0.00
28	T	Bromochloromethane	50.000	47.474	5.1	91	0.00
29	T	Tetrahydrofuran	250.000	251.461	-0.6	89	0.00
30	C	Chloroform	50.000	52.167	-4.3#	95	0.00
31	T	Cyclohexane	50.000	42.521	15.0	82	0.00
32	T	1,1,1-Trichloroethane	50.000	51.300	-2.6	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.911	4.2	90	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	52.045	-4.1	98	0.00
36	T	1,1-Dichloropropene	50.000	49.312	1.4	86	0.00
37	T	Ethyl Acetate	50.000	48.082	3.8	87	0.00
38	T	Carbon Tetrachloride	50.000	50.818	-1.6	90	0.00
39	T	Methylcyclohexane	50.000	46.254	7.5	78	0.00
40	TM	Benzene	50.000	50.941	-1.9	91	0.00
41	T	Methacrylonitrile	50.000	51.187	-2.4	88	0.00
42	TM	1,2-Dichloroethane	50.000	50.160	-0.3	89	0.00
43	T	Isopropyl Acetate	50.000	42.408	15.2	84	0.00
44	TM	Trichloroethene	50.000	50.592	-1.2	90	0.00
45	C	1,2-Dichloropropane	50.000	53.648	-7.3#	93	0.00
46	T	Dibromomethane	50.000	55.712	-11.4	95	0.00
47	T	Bromodichloromethane	50.000	53.528	-7.1	94	0.00
48	T	Methyl methacrylate	50.000	50.850	-1.7	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:42:17 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	994.968	0.5	89	0.00
50	S	Toluene-d8	50.000	51.913	-3.8	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.874	-7.5	92	0.00
52	CM	Toluene	50.000	52.382	-4.8#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	51.089	-2.2	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.057	-4.1	88	0.00
55	T	1,1,2-Trichloroethane	50.000	55.371	-10.7	96	0.00
56	T	Ethyl methacrylate	50.000	54.658	-9.3	90	0.00
57	T	1,3-Dichloropropane	50.000	53.424	-6.8	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.254	-11.3	92	0.00
59	T	2-Hexanone	250.000	260.410	-4.2	87	0.00
60	T	Dibromochloromethane	50.000	56.277	-12.6	96	0.00
61	T	1,2-Dibromoethane	50.000	52.872	-5.7	93	0.00
62	S	4-Bromofluorobenzene	50.000	52.160	-4.3	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	48.943	2.1	92	0.00
65	PM	Chlorobenzene	50.000	50.105	-0.2	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.075	-6.2	97	0.00
67	C	Ethyl Benzene	50.000	51.533	-3.1#	92	0.00
68	T	m/p-Xylenes	100.000	104.492	-4.5	91	0.00
69	T	o-Xylene	50.000	53.503	-7.0	92	0.00
70	T	Styrene	50.000	55.268	-10.5	95	0.00
71	P	Bromoform	50.000	54.365	-8.7	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	48.507	3.0	91	0.00
74	T	N-amyl acetate	50.000	45.614	8.8	87	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.155	-0.3	99	0.00
76	T	1,2,3-Trichloropropane	50.000	52.758	-5.5	98	0.00
77	T	Bromobenzene	50.000	49.239	1.5	98	0.00
78	T	n-propylbenzene	50.000	49.748	0.5	92	0.00
79	T	2-Chlorotoluene	50.000	48.450	3.1	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.681	-1.4	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.901	0.2	96	0.00
82	T	4-Chlorotoluene	50.000	48.730	2.5	93	0.00
83	T	tert-Butylbenzene	50.000	48.923	2.2	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.992	-2.0	93	0.00
85	T	sec-Butylbenzene	50.000	50.124	-0.2	91	0.00
86	T	p-Isopropyltoluene	50.000	50.755	-1.5	90	0.00
87	T	1,3-Dichlorobenzene	50.000	48.345	3.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	48.056	3.9	96	0.00
89	T	n-Butylbenzene	50.000	47.437	5.1	87	0.00
90	T	Hexachloroethane	50.000	46.151	7.7	91	0.00
91	T	1,2-Dichlorobenzene	50.000	48.690	2.6	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.312	7.4	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.359	3.3	88	0.00
94	T	Hexachlorobutadiene	50.000	43.364	13.3	93	0.00
95	T	Naphthalene	50.000	46.938	6.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 22 01:42:17 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	47.602	4.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

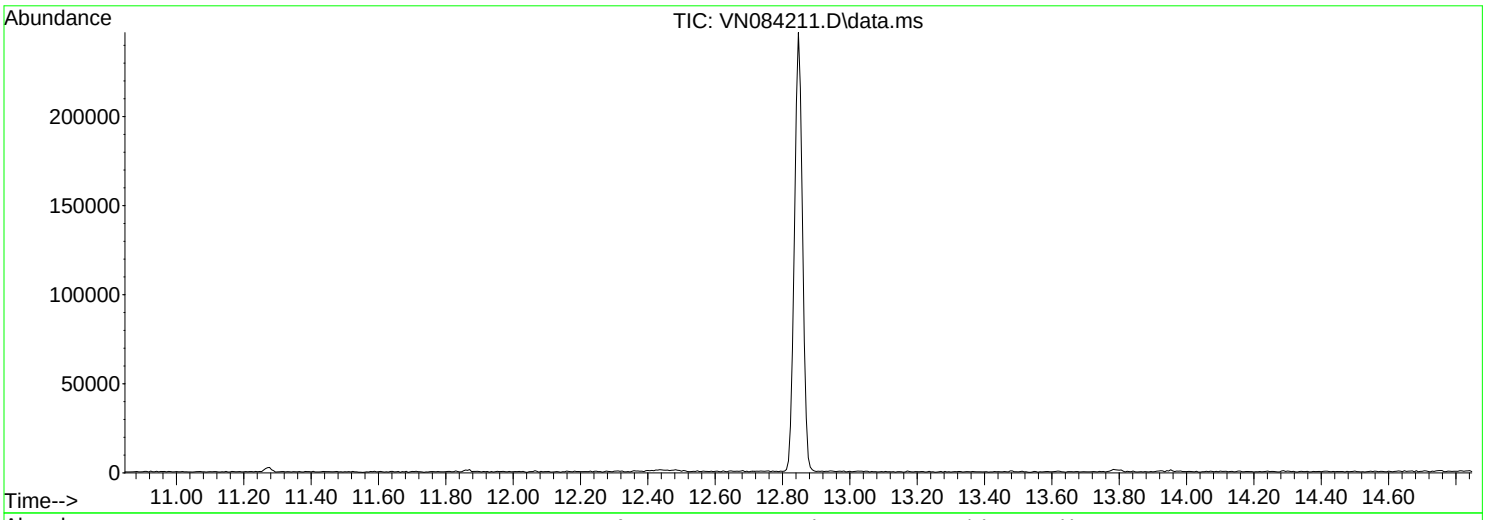
QC SAMPLE DATA

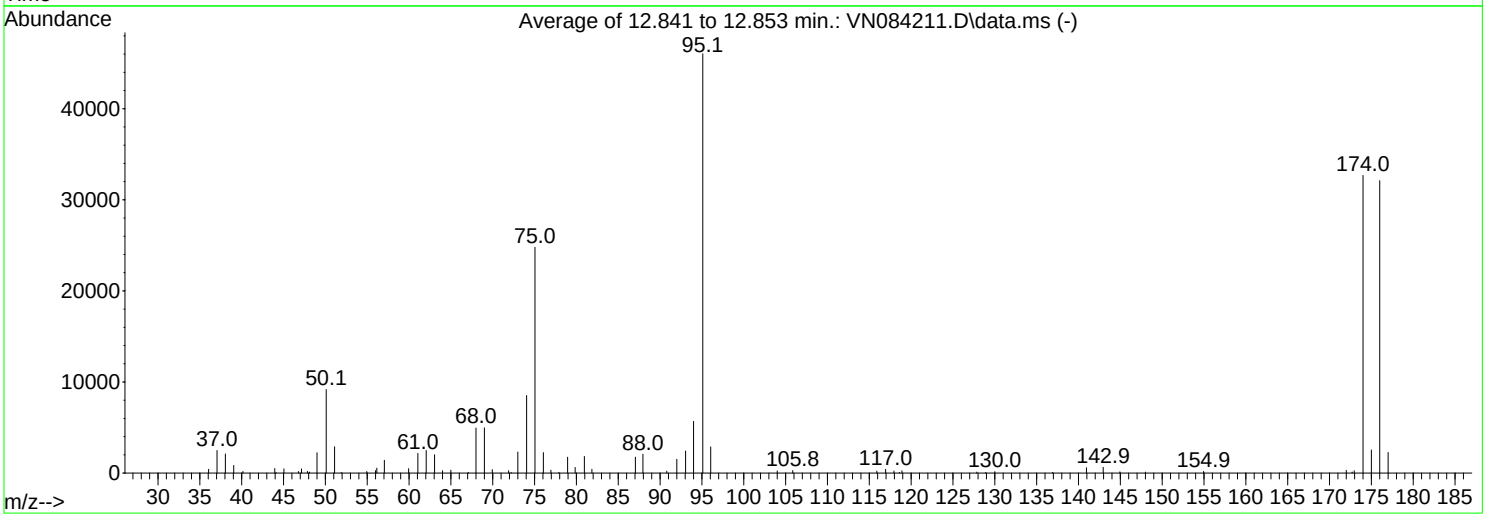
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
Data File : VN084211.D
Acq On : 30 Sep 2024 09:24
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

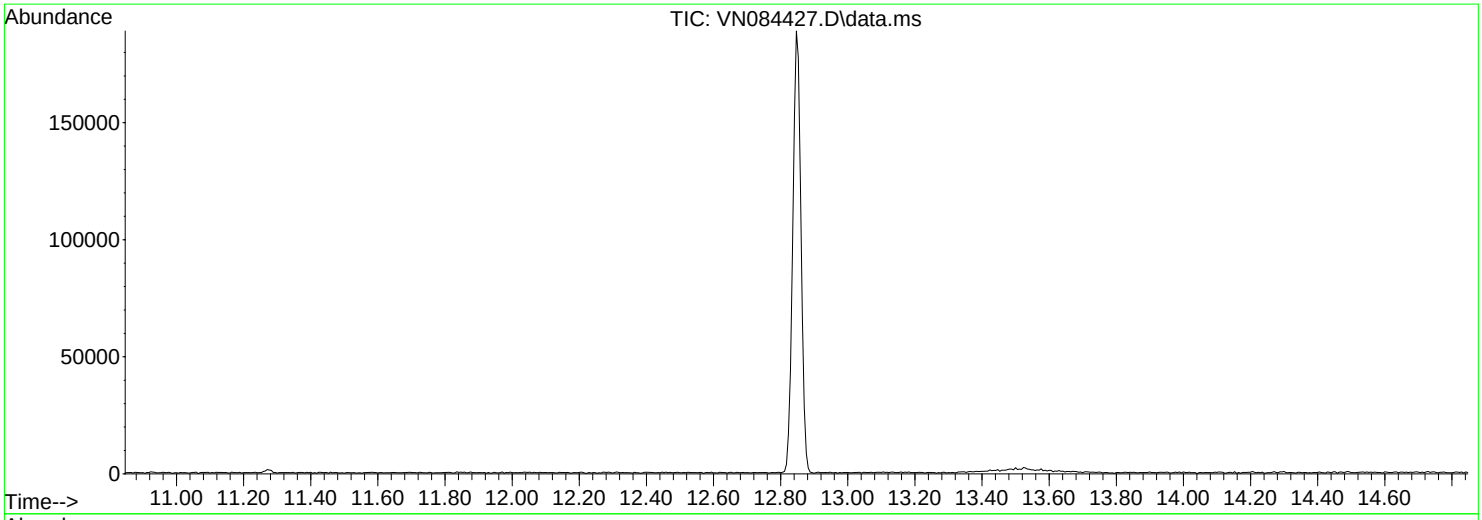
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	9177	PASS
75	95	30	60	53.9	24795	PASS
95	95	100	100	100.0	46040	PASS
96	95	5	9	6.3	2879	PASS
173	174	0.00	2	0.8	259	PASS
174	95	50	100	71.0	32685	PASS
175	174	5	9	7.8	2541	PASS
176	174	95	101	98.2	32104	PASS
177	176	5	9	7.0	2260	PASS

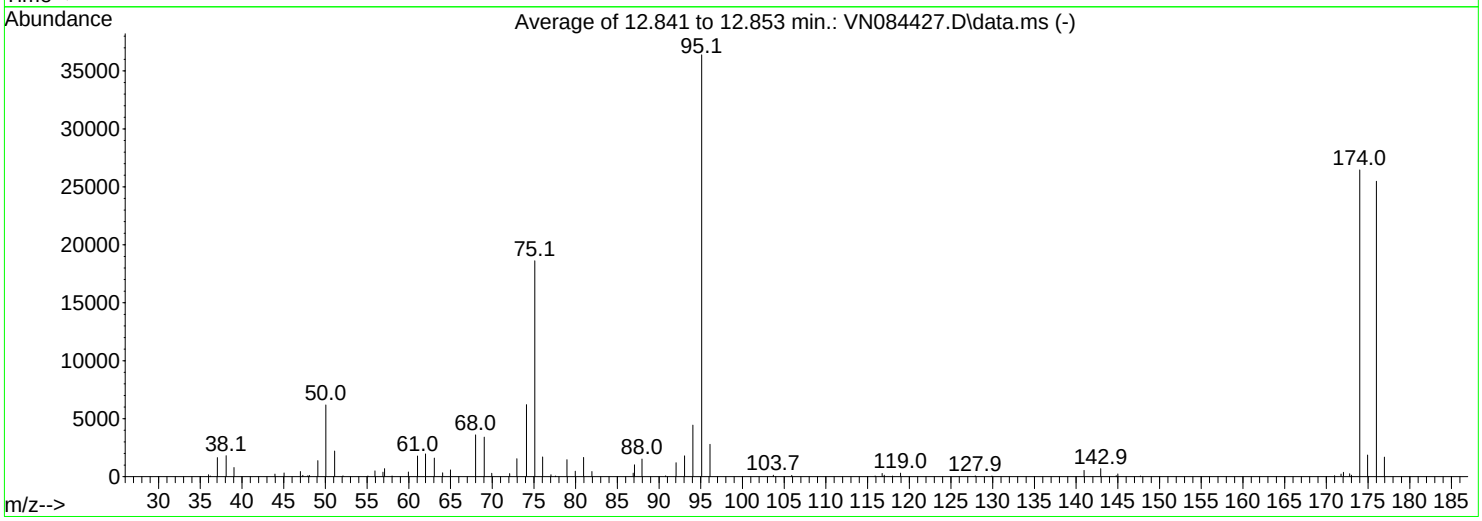
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084427.D
Acq On : 21 Oct 2024 11:14
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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	17.0	6183	PASS
75	95	30	60	51.2	18619	PASS
95	95	100	100	100.0	36389	PASS
96	95	5	9	7.6	2782	PASS
173	174	0.00	2	0.9	244	PASS
174	95	50	100	72.7	26461	PASS
175	174	5	9	7.0	1860	PASS
176	174	95	101	96.3	25488	PASS
177	176	5	9	6.6	1686	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:	VN1021WBL01	SDG No.:	P4438
Lab Sample ID:	VN1021WBL01	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
VN084430.D	1		10/21/24 12:36	VN102124

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:	VN1021WBL01	SDG No.:	P4438
Lab Sample ID:	VN1021WBL01	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
VN084430.D	1		10/21/24 12:36	VN102124

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	48.6		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		85 - 114		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	8.224				
540-36-3	1,4-Difluorobenzene	295000	9.1				
3114-55-4	Chlorobenzene-d5	254000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	100000	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\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Time: Oct 22 01:31:14 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	167468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120667	48.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.200%			
35) Dibromofluoromethane	8.165	113	99495	51.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	10.565	98	349958	48.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.847	95	116683	44.690	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.380%			

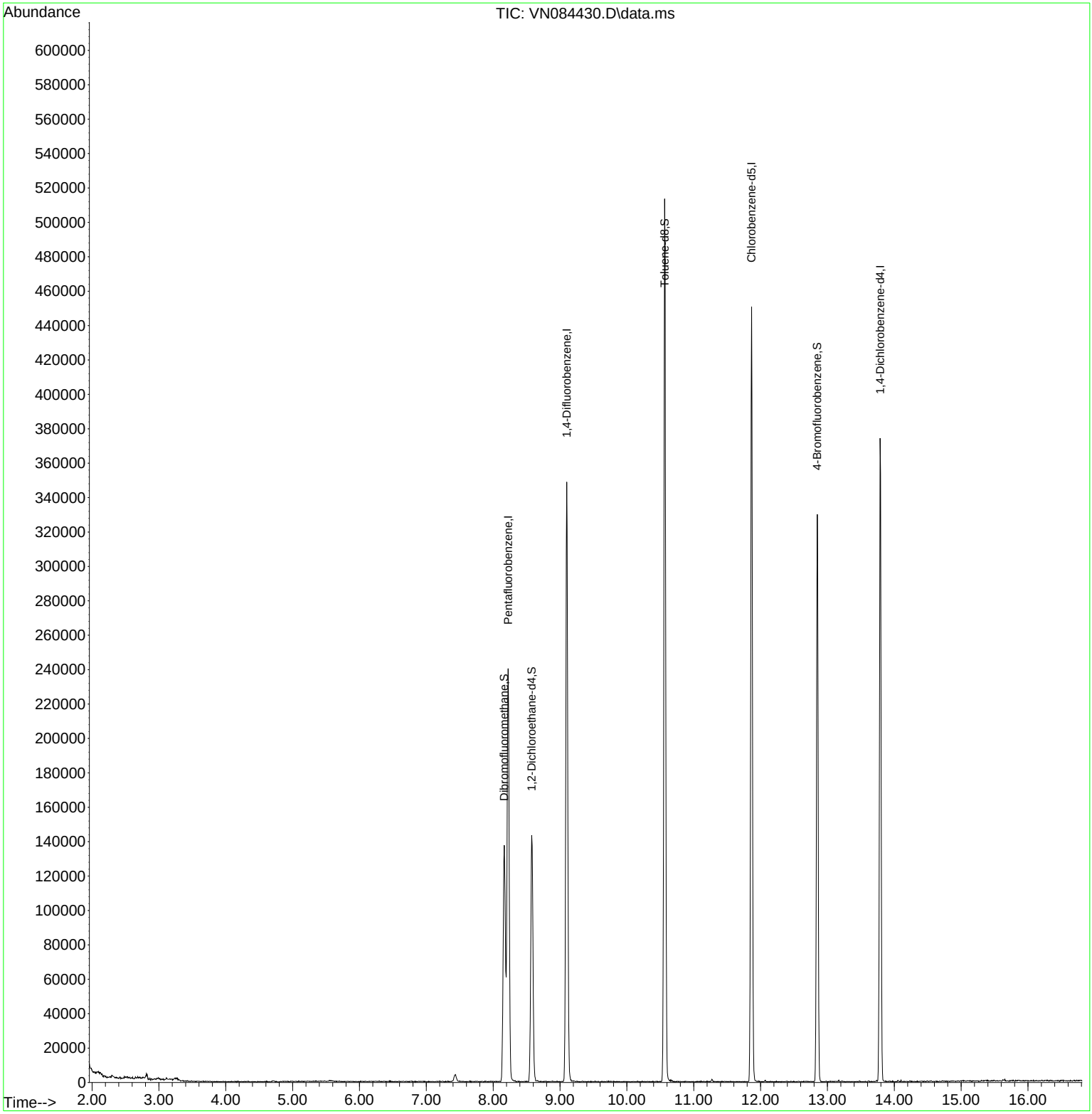
Target Compounds Qvalue

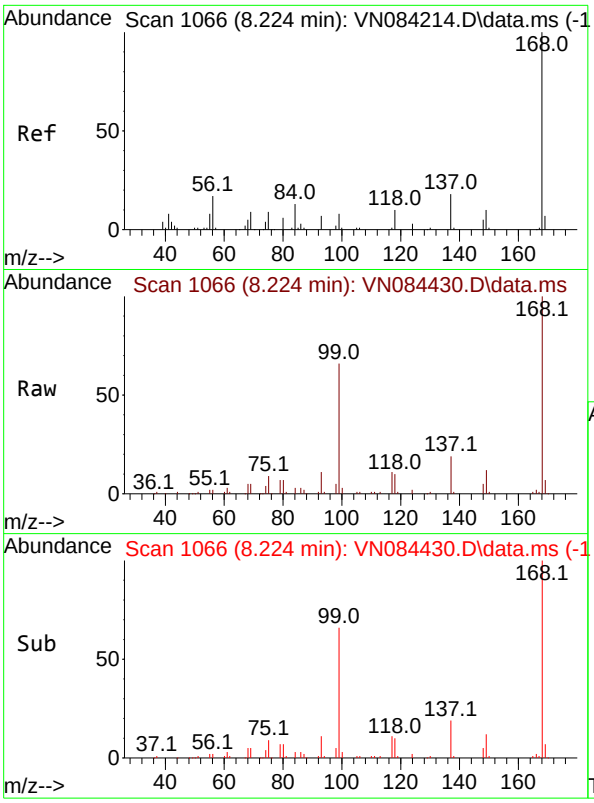
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Time: Oct 22 01:31:14 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



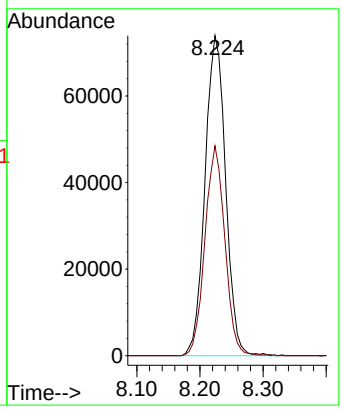


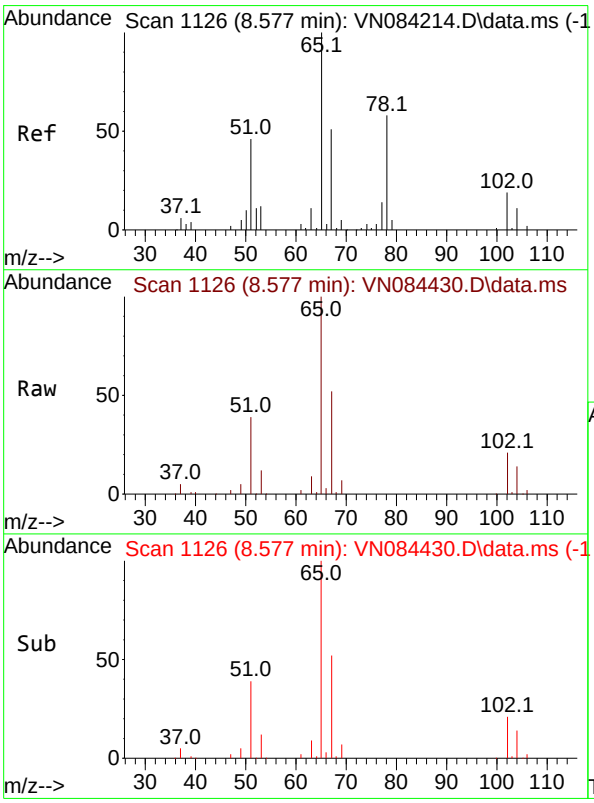
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:168 Resp: 167468

Ion	Ratio	Lower	Upper
168	100		
99	65.6	54.2	81.2

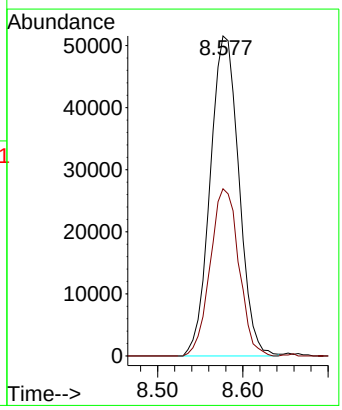


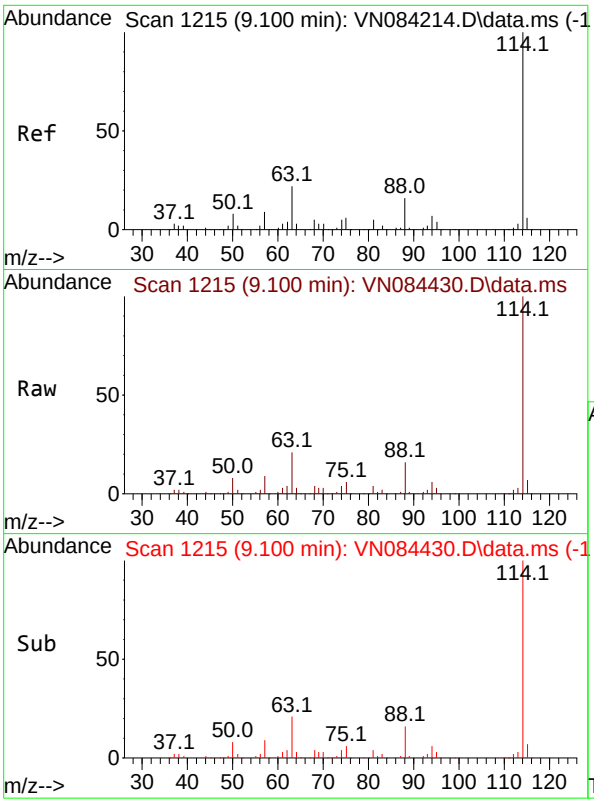


#33
1,2-Dichloroethane-d4
Concen: 48.597 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion: 65 Resp: 120667

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



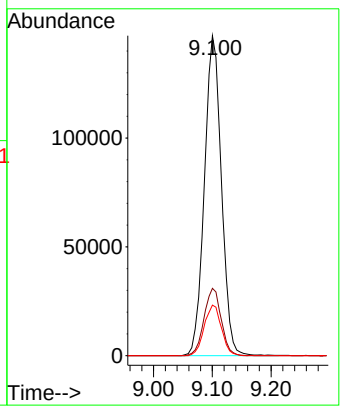


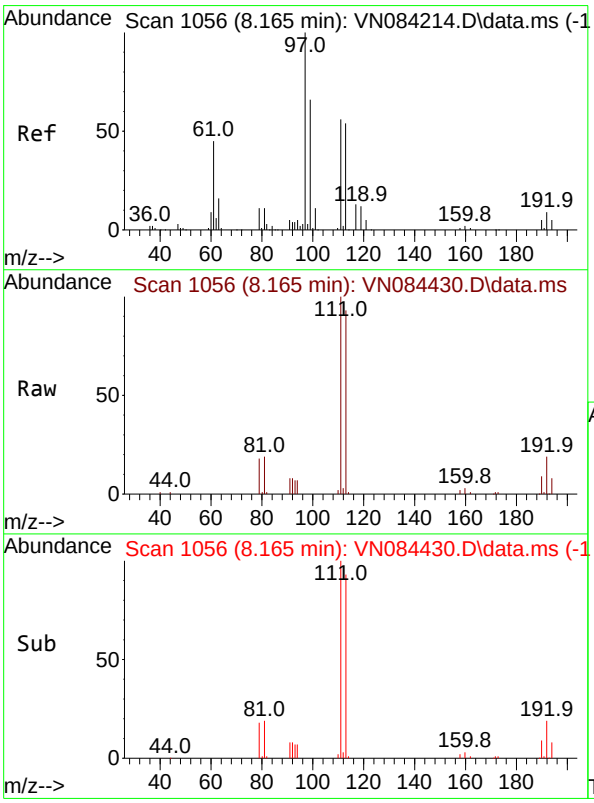
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:114 Resp: 295479

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	15.8	0.0	31.6

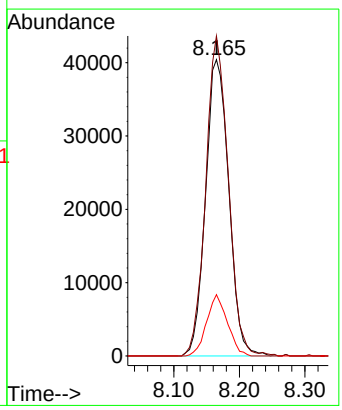


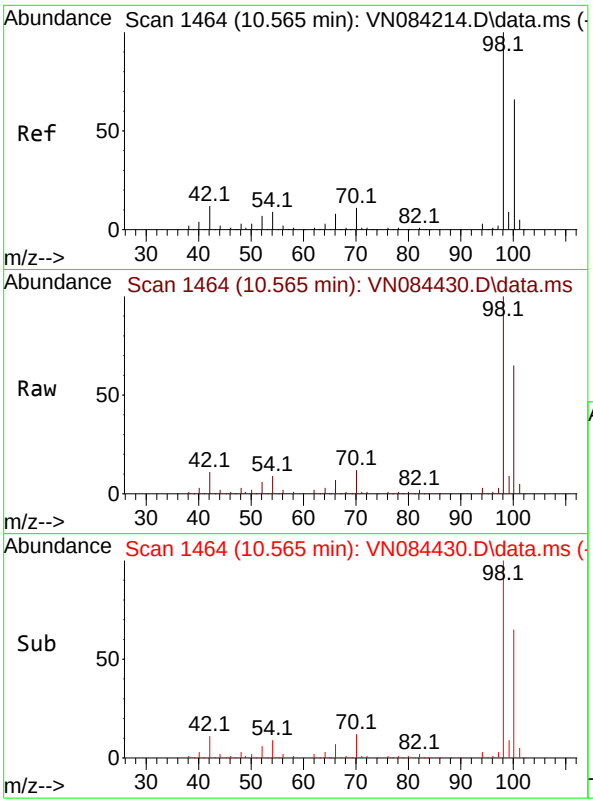


#35
Dibromofluoromethane
Concen: 51.076 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion:113 Resp: 99495

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.3	124.9
192	18.5	13.5	20.3



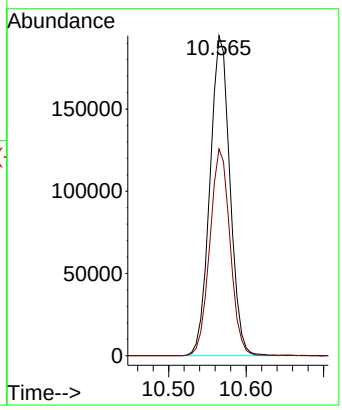


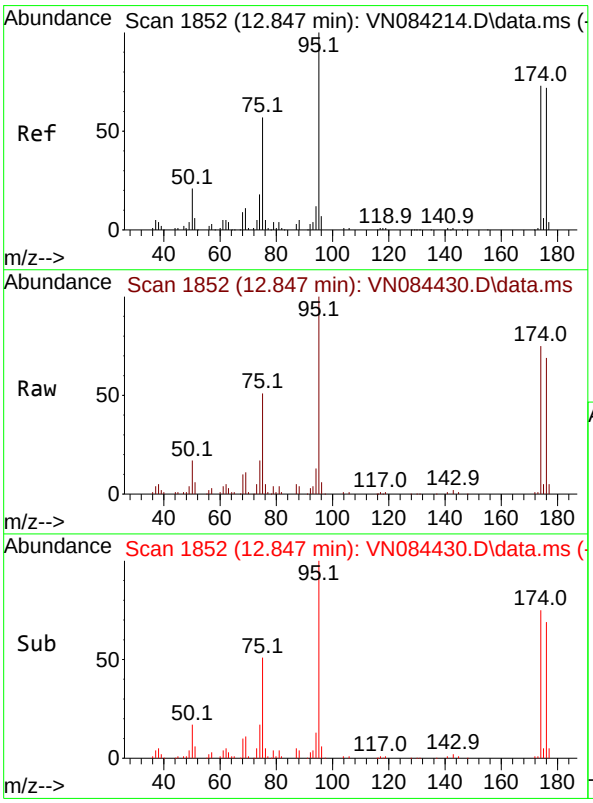
#50
Toluene-d8
Concen: 48.830 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion: 98 Resp: 349958

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

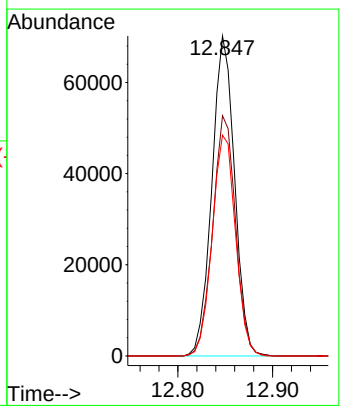


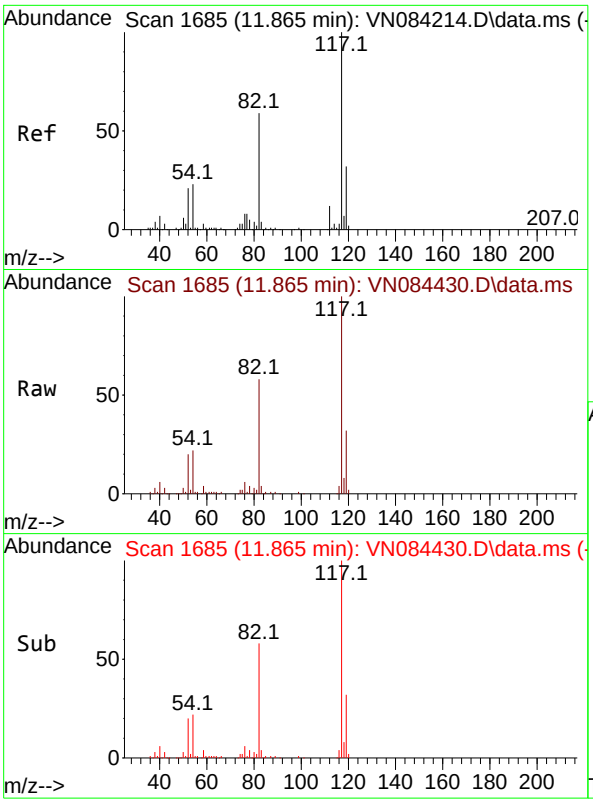


#62
4-Bromofluorobenzene
Concen: 44.690 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion: 95 Resp: 116683

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	145.2
176	71.0	0.0	140.0



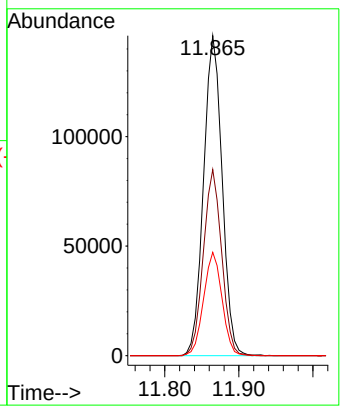


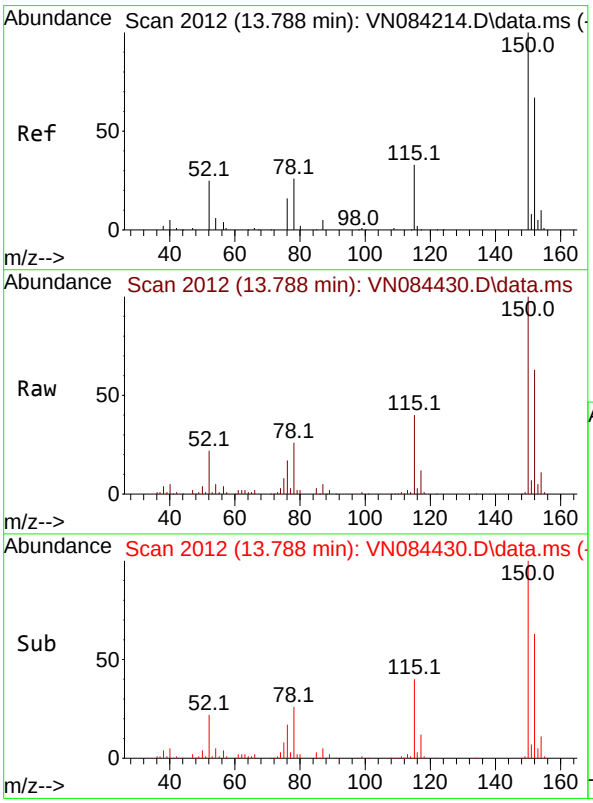
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:117 Resp: 254088

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	32.3	25.4	38.0

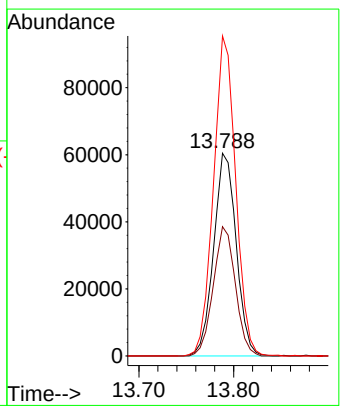




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion:152 Resp: 99954

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	155.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

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: VN084430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.436	922	932	942	rBV2	4108	10909	1.18%	0.228%
2	8.165	1047	1056	1061	rBV	137448	335323	36.14%	7.019%
3	8.224	1061	1066	1078	rVB	239504	517962	55.83%	10.843%
4	8.577	1118	1126	1137	rBV	143101	329717	35.54%	6.902%
5	9.100	1206	1215	1227	rBV	348480	696007	75.02%	14.570%
6	10.565	1456	1464	1477	rBV	513172	927809	100.00%	19.422%
7	11.865	1677	1685	1700	rVB	450419	783202	84.41%	16.395%
8	12.847	1845	1852	1864	rVB	330020	559221	60.27%	11.706%
9	13.788	2005	2012	2023	rBV	373902	616926	66.49%	12.914%

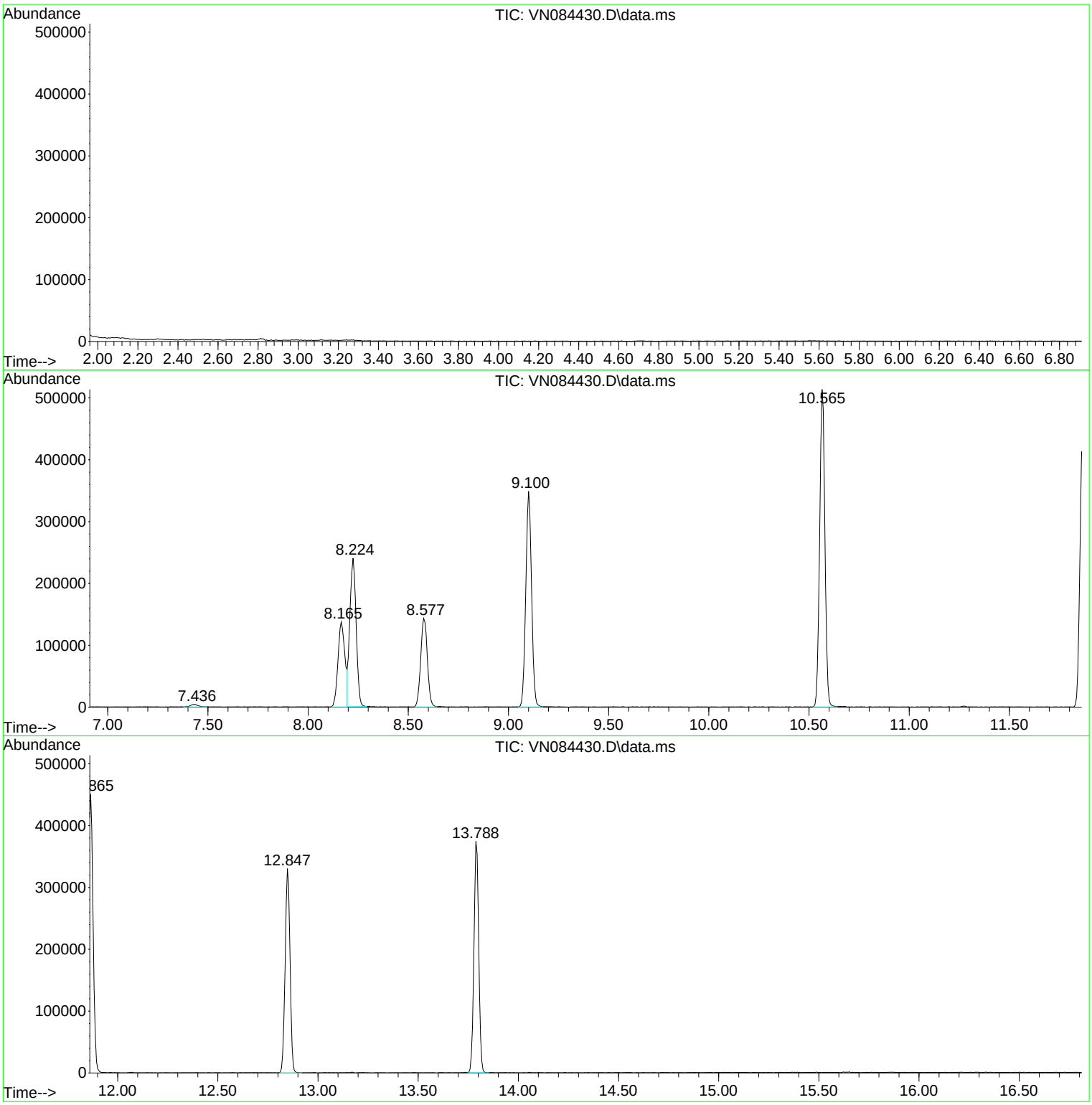
Sum of corrected areas: 4777076

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

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\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

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\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

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:	VN1021WBS01	SDG No.:	P4438
Lab Sample ID:	VN1021WBS01	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.1		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	16.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	15.0		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	18.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	0.75	1.00	ug/L
67-64-1	Acetone	87.5		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.1		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		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	88.7		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.8		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	18.5		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	96.1		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:	VN1021WBS01	SDG No.:	P4438
Lab Sample ID:	VN1021WBS01	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.1		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.3		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	53.9		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	190000	8.224				
540-36-3	1,4-Difluorobenzene	323000	9.1				
3114-55-4	Chlorobenzene-d5	284000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	138000	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\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 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 :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	189913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.165	113	115508	54.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.520%			
50) Toluene-d8	10.565	98	422532	53.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.847	95	149865	52.521	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	36261	16.142	ug/l	95
3) Chloromethane	2.359	50	41235	16.076	ug/l	96
4) Vinyl Chloride	2.512	62	41507	16.706	ug/l	100
5) Bromomethane	2.953	94	26963	16.453	ug/l	98
6) Chloroethane	3.124	64	26726	15.020	ug/l	99
7) Trichlorofluoromethane	3.500	101	70146	18.131	ug/l	98
8) Diethyl Ether	3.965	74	24127	16.814	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	40161	18.116	ug/l	98
10) Methyl Iodide	4.589	142	48908	17.131	ug/l	96
11) Tert butyl alcohol	5.518	59	36415	78.429	ug/l #	94
12) 1,1-Dichloroethene	4.342	96	37659	17.612	ug/l	97
13) Acrolein	4.183	56	26602	49.907	ug/l	98
14) Allyl chloride	5.024	41	58352	15.713	ug/l	98
15) Acrylonitrile	5.718	53	109279	93.202	ug/l	99
16) Acetone	4.430	43	105837	87.496	ug/l	96
17) Carbon Disulfide	4.712	76	96169	14.205	ug/l	100
18) Methyl Acetate	5.030	43	59251	22.474	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	130984	18.149	ug/l	98
20) Methylene Chloride	5.271	84	45743	18.603	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	38888	17.359	ug/l	95
22) Diisopropyl ether	6.671	45	141732	18.451	ug/l	98
23) Vinyl Acetate	6.600	43	468614	82.252	ug/l	98
24) 1,1-Dichloroethane	6.571	63	82481	19.201	ug/l	97
25) 2-Butanone	7.483	43	146074	88.663	ug/l	98
26) 2,2-Dichloropropane	7.488	77	71005	18.333	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	49184	18.169	ug/l	98
28) Bromochloromethane	7.812	49	37550	19.592	ug/l	97
29) Tetrahydrofuran	7.841	42	90421	88.935	ug/l	98
30) Chloroform	7.971	83	84755	18.995	ug/l	100
31) Cyclohexane	8.259	56	66762	16.007	ug/l #	97
32) 1,1,1-Trichloroethane	8.171	97	74940	18.700	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56161	18.162	ug/l	97
37) Ethyl Acetate	7.559	43	57455	18.111	ug/l	99
38) Carbon Tetrachloride	8.365	117	64152	18.912	ug/l	94
39) Methylcyclohexane	9.600	83	55643	16.168	ug/l	96
40) Benzene	8.606	78	183073	19.002	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 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 :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29860	17.338	ug/l		93
42) 1,2-Dichloroethane	8.671	62	61753	18.907	ug/l		99
43) Isopropyl Acetate	8.688	43	94050	15.136	ug/l		98
44) Trichloroethene	9.347	130	43127	19.166	ug/l		98
45) 1,2-Dichloropropane	9.624	63	44771	19.644	ug/l		98
46) Dibromomethane	9.706	93	31378	20.401	ug/l		96
47) Bromodichloromethane	9.888	83	66599	19.490	ug/l		96
48) Methyl methacrylate	9.682	41	43352	17.526	ug/l		98
49) 1,4-Dioxane	9.694	88	16997	373.245	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	292338	96.801	ug/l		100
52) Toluene	10.629	92	114864	19.551	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	64356	18.476	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	70777	18.891	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	43053	20.441	ug/l		97
56) Ethyl methacrylate	10.871	69	65255	18.829	ug/l		96
57) 1,3-Dichloropropane	11.165	76	74113	19.693	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	139755	86.930	ug/l		98
59) 2-Hexanone	11.194	43	216944	96.112	ug/l		99
60) Dibromochloromethane	11.359	129	50030	20.104	ug/l		99
61) 1,2-Dibromoethane	11.465	107	41569	18.994	ug/l		98
64) Tetrachloroethene	11.100	164	37454	18.924	ug/l		95
65) Chlorobenzene	11.888	112	121076	19.217	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	43109	19.865	ug/l		99
67) Ethyl Benzene	11.965	91	205793	18.470	ug/l		100
68) m/p-Xylenes	12.070	106	158675	38.498	ug/l		100
69) o-Xylene	12.400	106	78180	20.049	ug/l		96
70) Styrene	12.412	104	129069	19.541	ug/l		99
71) Bromoform	12.576	173	31202	19.529	ug/l	#	95
73) Isopropylbenzene	12.694	105	191996	18.189	ug/l		98
74) N-amyl acetate	12.494	43	79653	16.664	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	61726	19.448	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	58038m	20.552	ug/l		
77) Bromobenzene	12.982	156	48284	18.964	ug/l		95
78) n-propylbenzene	13.035	91	231176	18.903	ug/l		99
79) 2-Chlorotoluene	13.123	91	145730	18.674	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	168330	19.550	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	19953	16.940	ug/l		98
82) 4-Chlorotoluene	13.217	91	149766	19.064	ug/l		100
83) tert-Butylbenzene	13.435	119	141261	18.459	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169548	19.547	ug/l		99
85) sec-Butylbenzene	13.617	105	195385	19.133	ug/l		99
86) p-Isopropyltoluene	13.729	119	161505	19.125	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	88692	18.569	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	90608	18.784	ug/l		99
89) n-Butylbenzene	14.053	91	132089	17.250	ug/l		99
90) Hexachloroethane	14.329	117	31571	18.419	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	85799	18.319	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11177	17.065	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	40526	17.567	ug/l		100
94) Hexachlorobutadiene	15.500	225	19271	16.751	ug/l		98
95) Naphthalene	15.641	128	119595	15.638	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	39826	17.247	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 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 :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

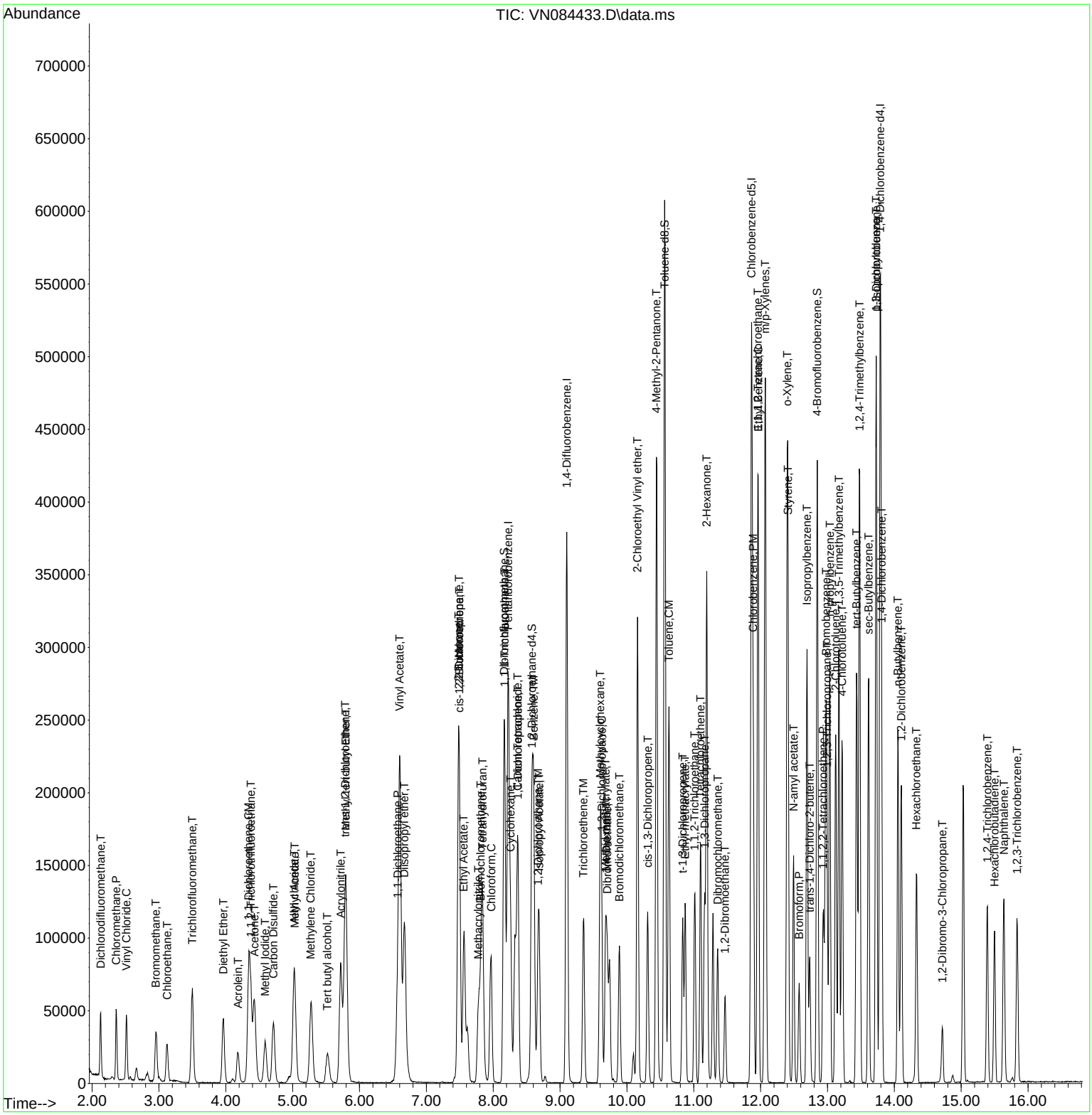
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Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

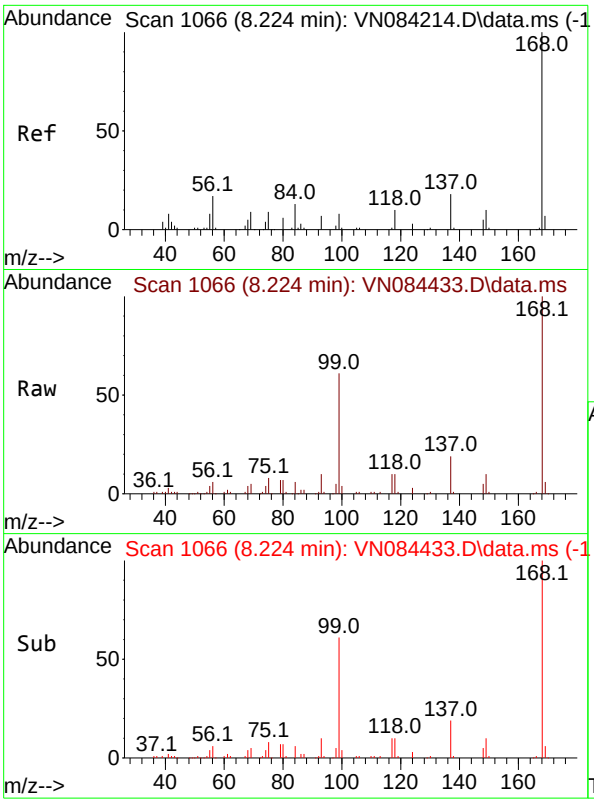
Quant Time: Oct 22 01:32:48 2024
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Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
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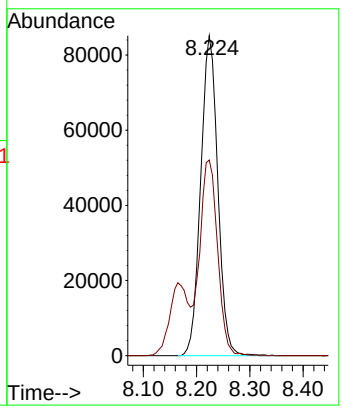




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:168 Resp: 18991

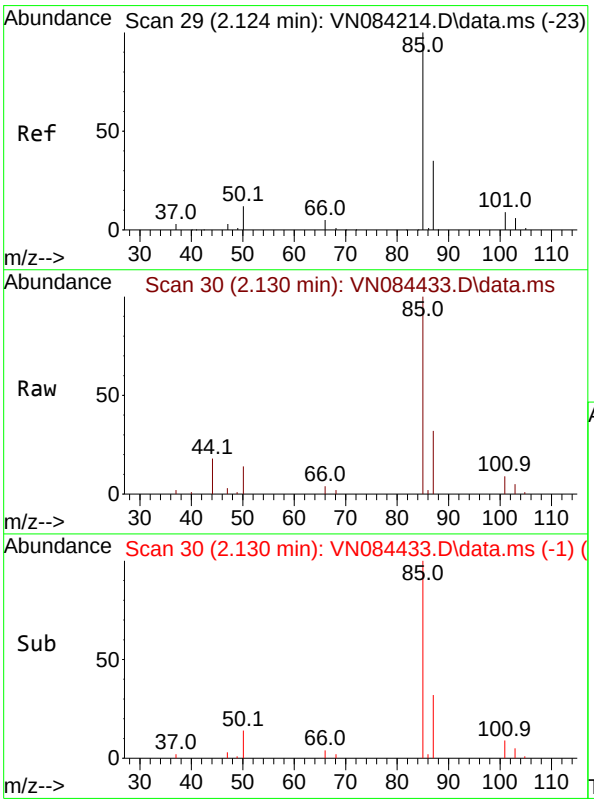
Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

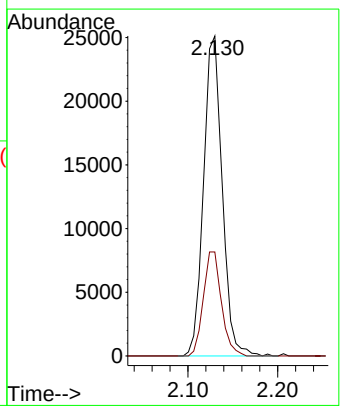
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

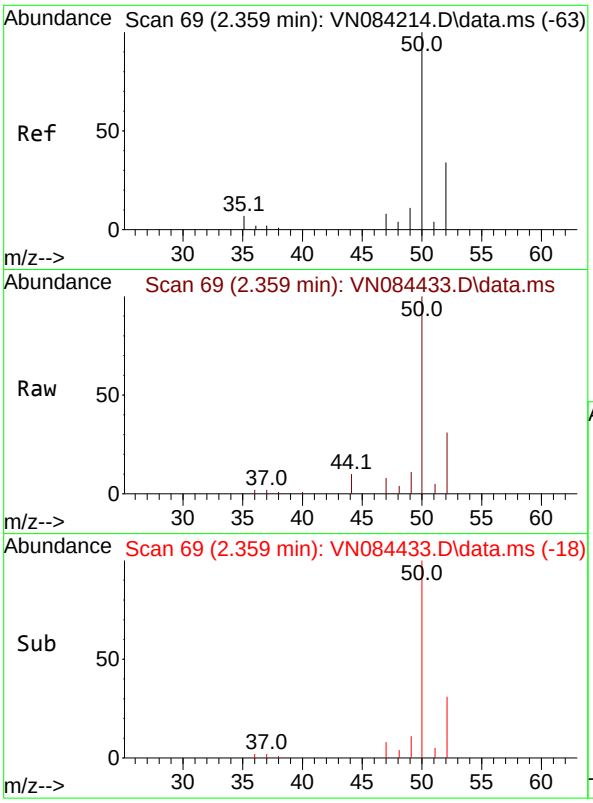


#2
Dichlorodifluoromethane
Concen: 16.142 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 85 Resp: 36261

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9

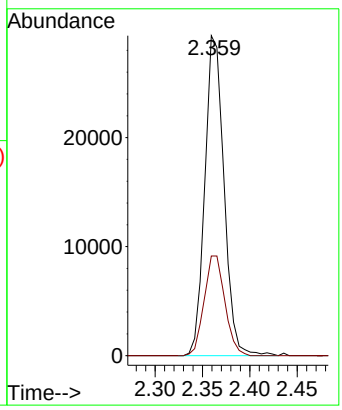




#3
Chloromethane
Concen: 16.076 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 50 Resp: 4123

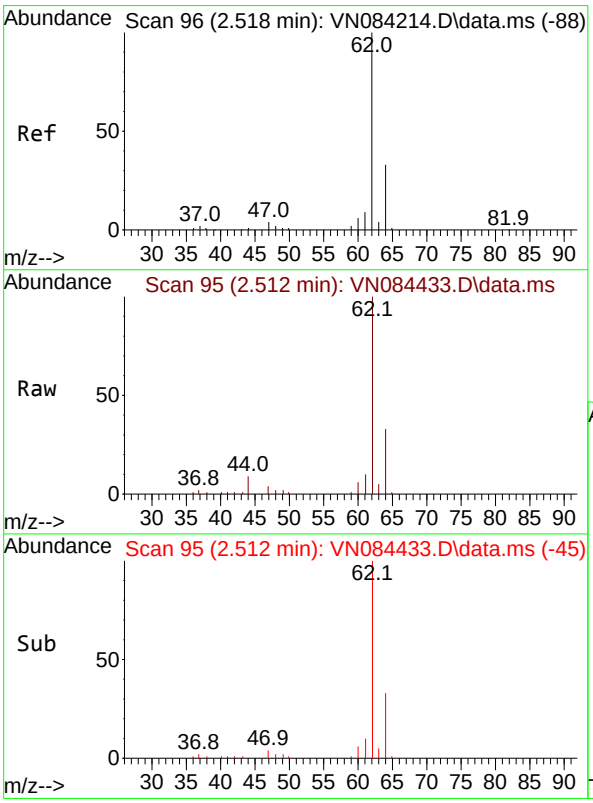
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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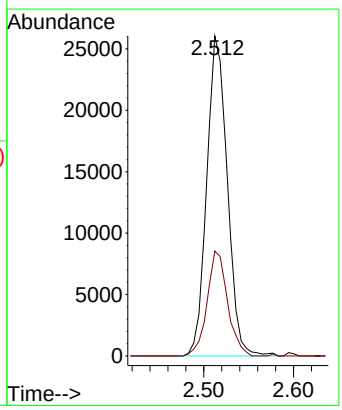
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

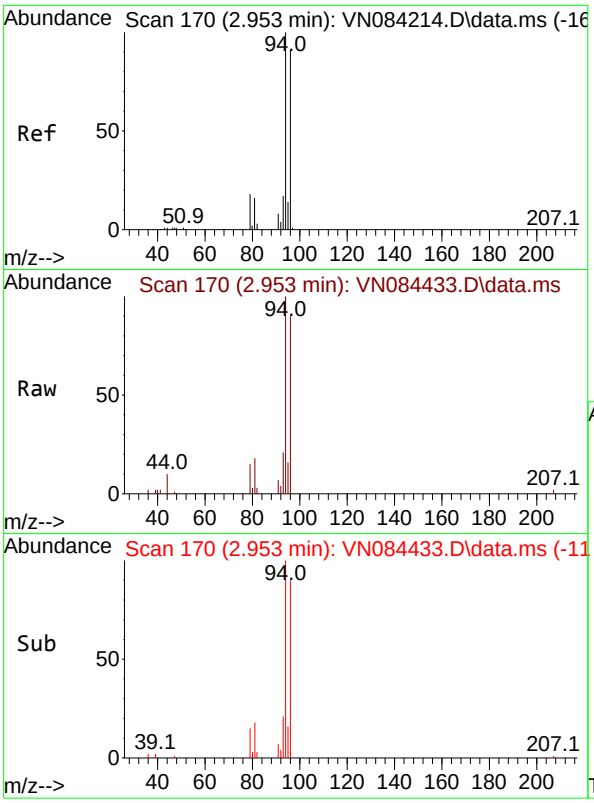


#4
Vinyl Chloride
Concen: 16.706 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 62 Resp: 41507

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4

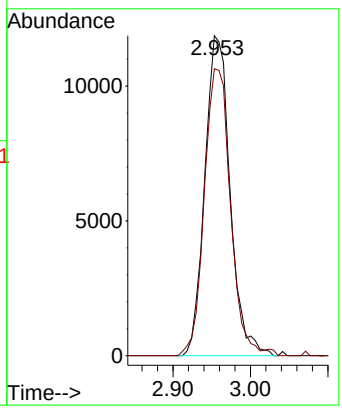




#5
Bromomethane
Concen: 16.453 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 94 Resp: 2696

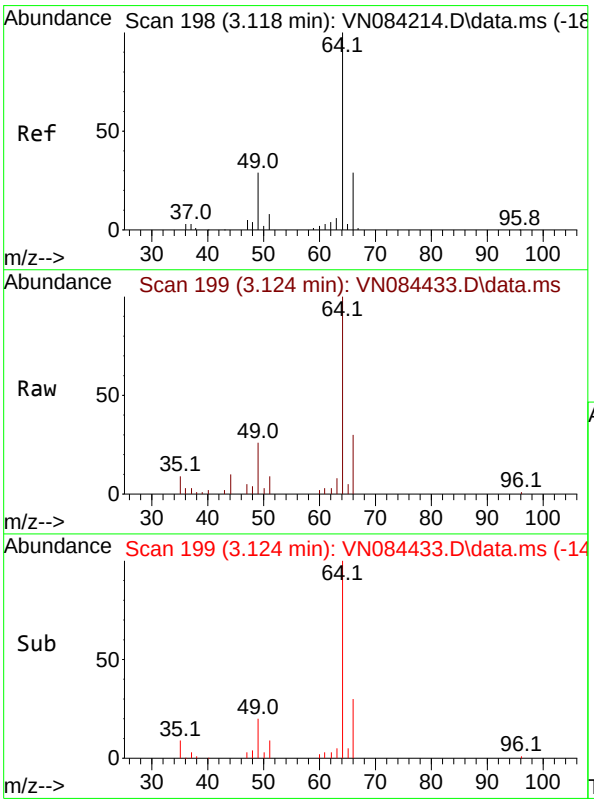
Ion	Ratio	Lower	Upper
94	100		
96	89.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

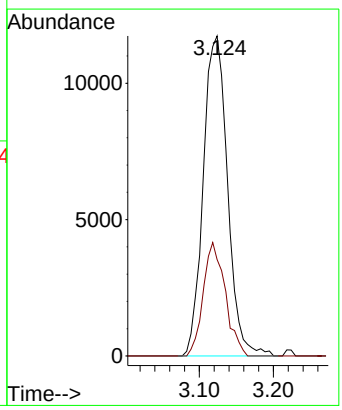
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

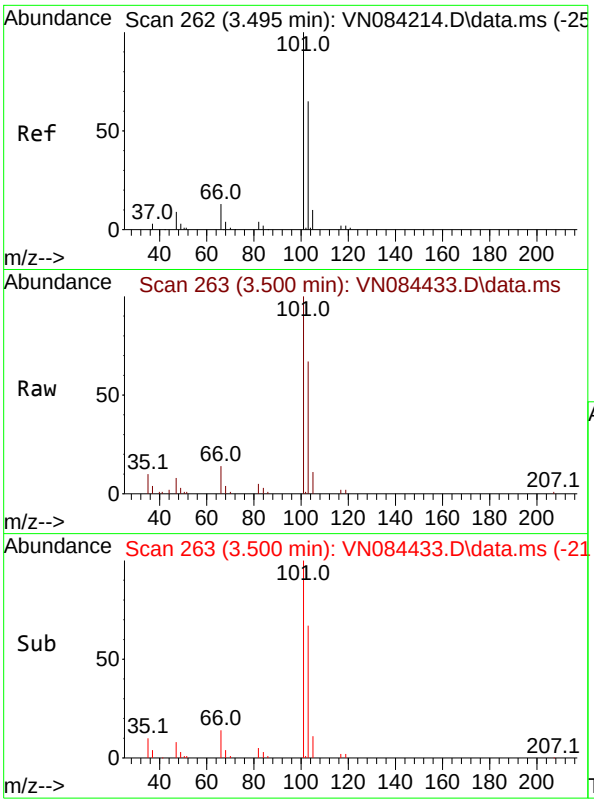


#6
Chloroethane
Concen: 15.020 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 64 Resp: 26726

Ion	Ratio	Lower	Upper
64	100		
66	30.2	23.5	35.3

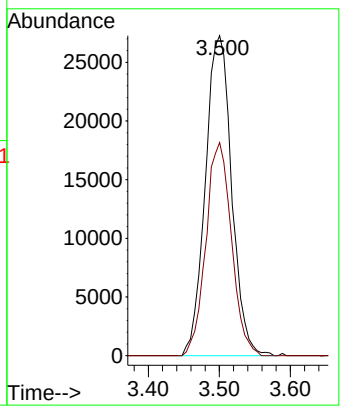




#7
Trichlorofluoromethane
Concen: 18.131 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:101 Resp: 7014

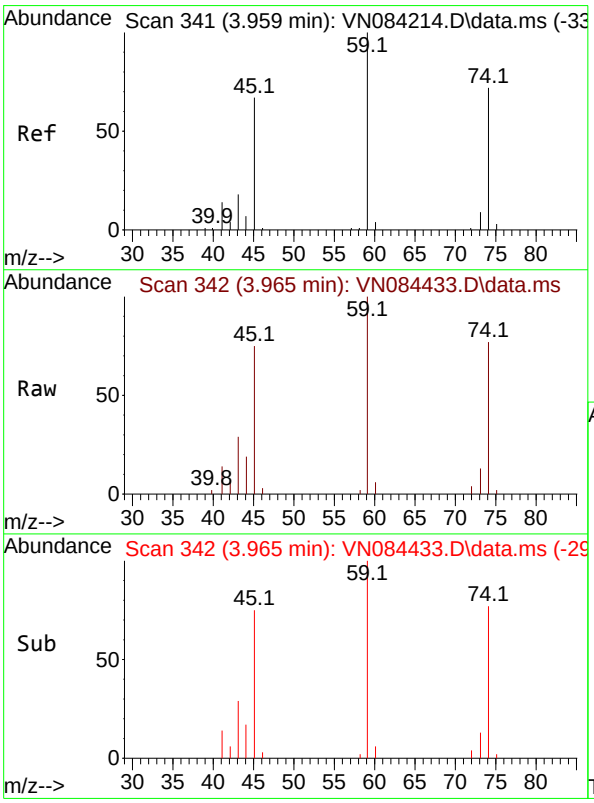
Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

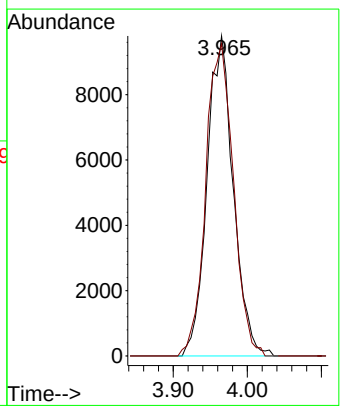
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

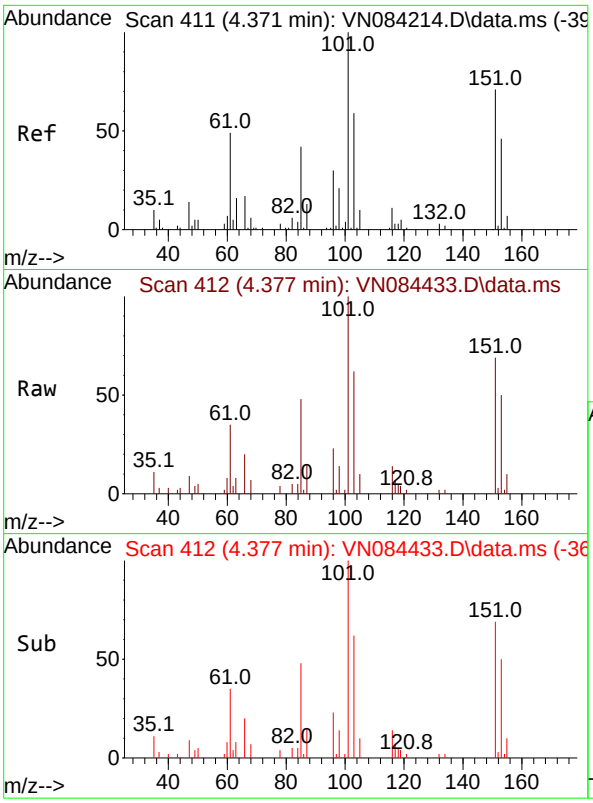


#8
Diethyl Ether
Concen: 16.814 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 74 Resp: 24127

Ion	Ratio	Lower	Upper
74	100		
45	102.5	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.116 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

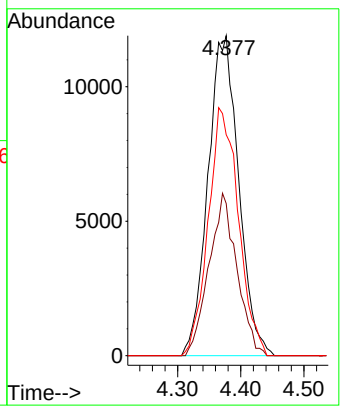
Tgt Ion:101 Resp: 4016

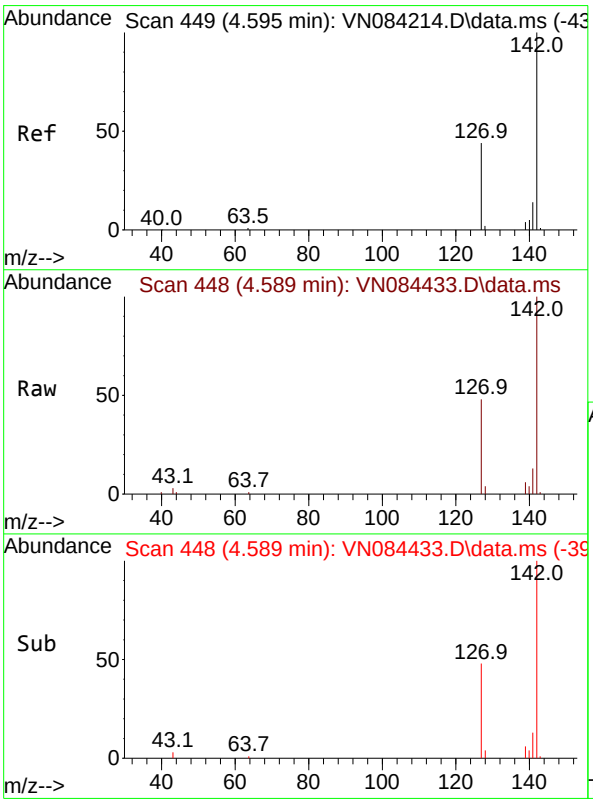
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	76.3	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

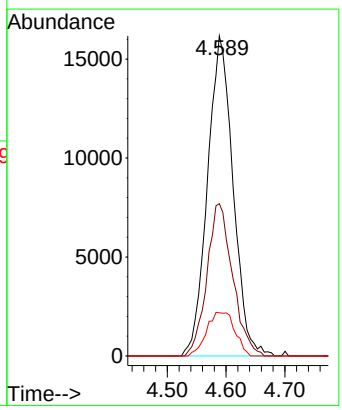


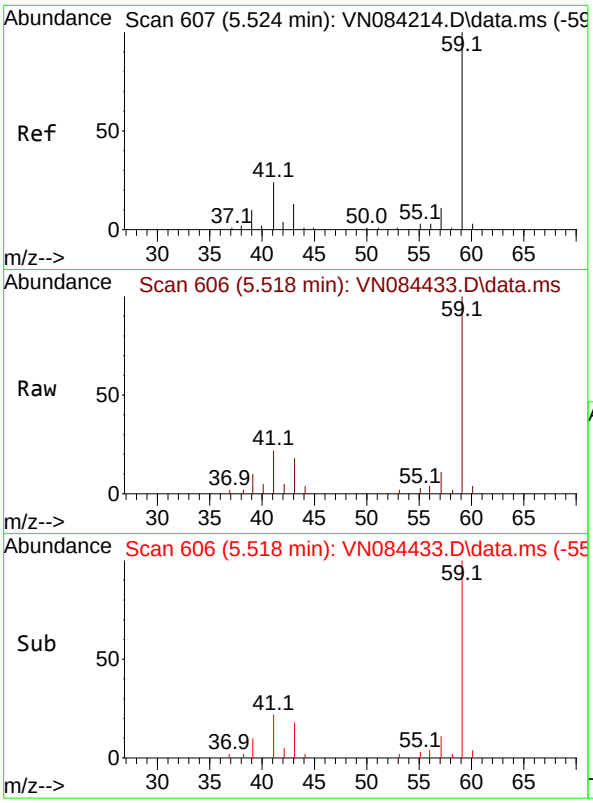


#10
Methyl Iodide
Concen: 17.131 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:142 Resp: 48908

Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.3	52.9
141	13.5	11.0	16.6

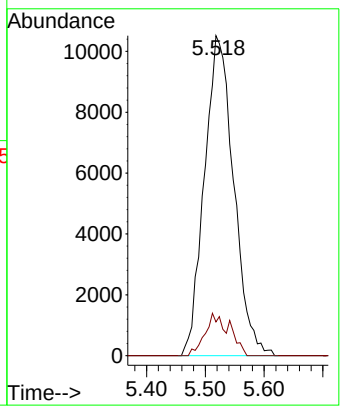




#11
Tert butyl alcohol
Concen: 78.429 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 59 Resp: 3641

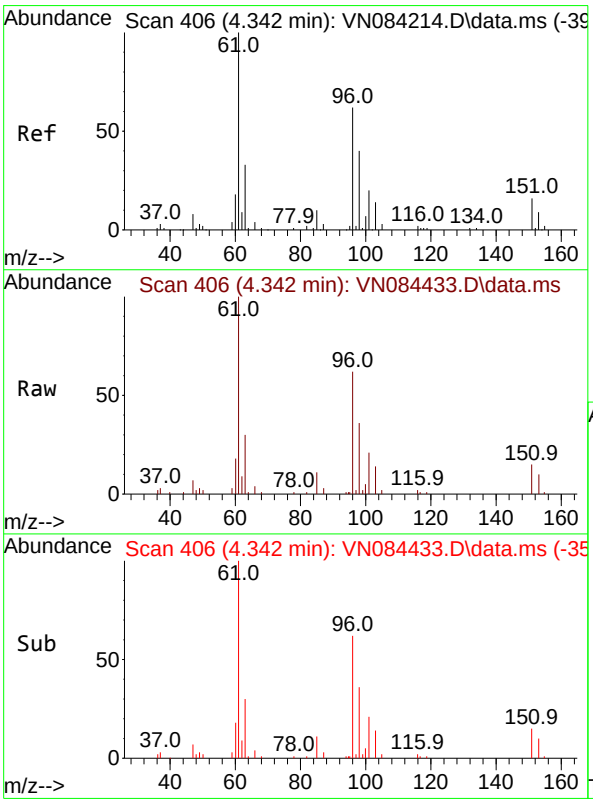
Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

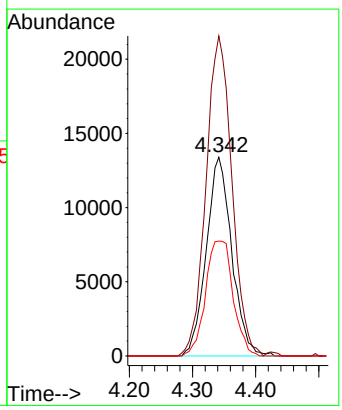
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

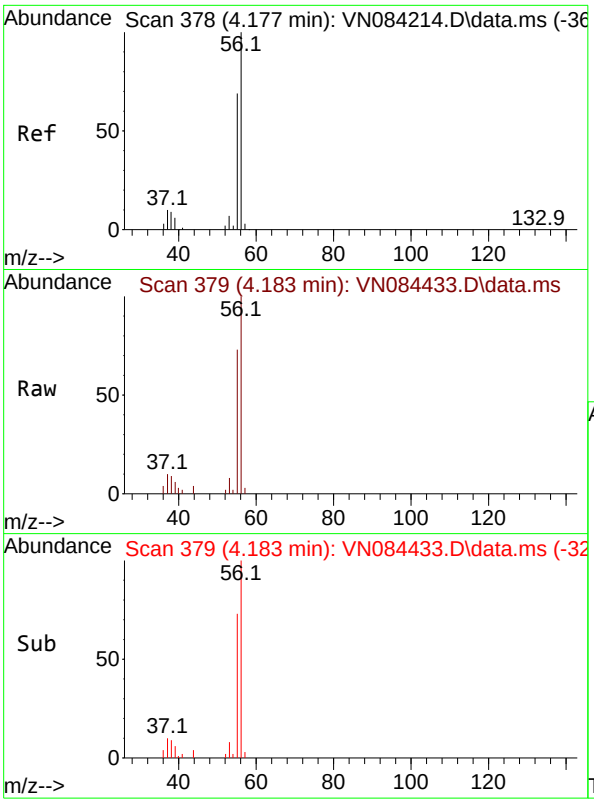


#12
1,1-Dichloroethene
Concen: 17.612 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 96 Resp: 37659

Ion	Ratio	Lower	Upper
96	100		
61	161.0	128.6	192.8
98	57.8	51.7	77.5

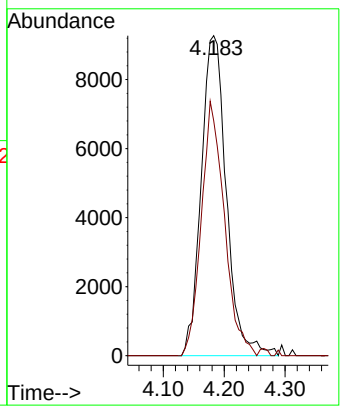




#13
Acrolein
Concen: 49.907 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 56 Resp: 2660

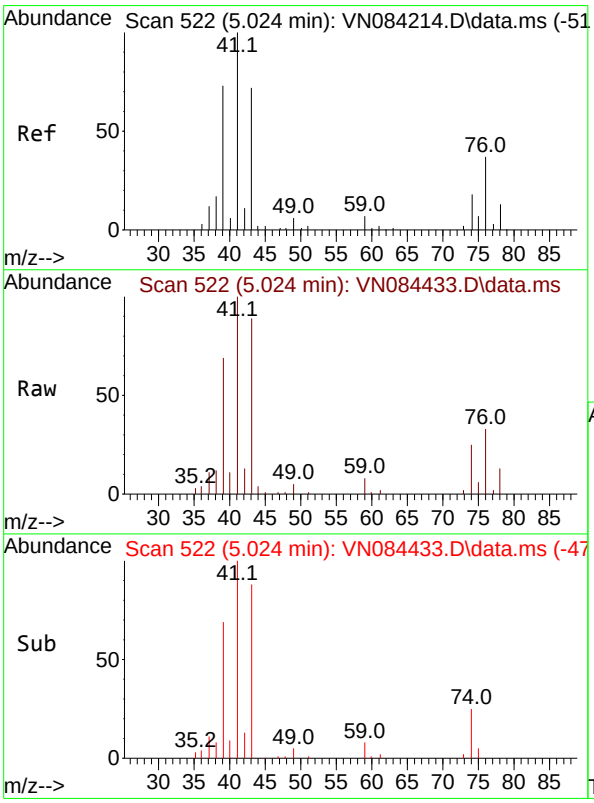
Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

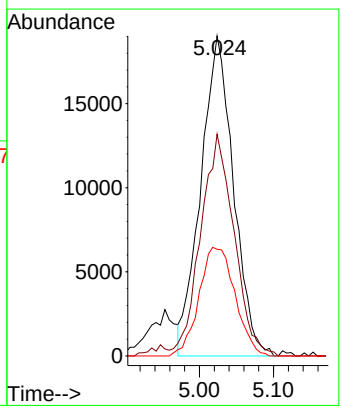
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

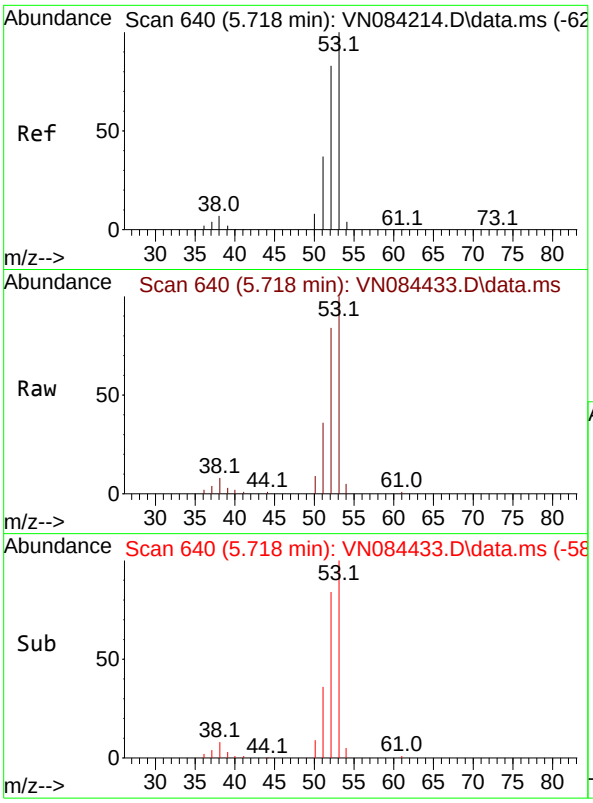


#14
Allyl chloride
Concen: 15.713 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 41 Resp: 58352

Ion	Ratio	Lower	Upper
41	100		
39	70.9	59.0	88.6
76	37.4	29.8	44.6

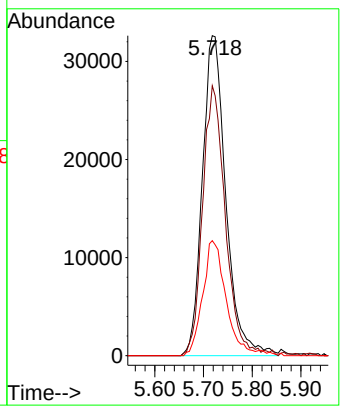




#15
Acrylonitrile
Concen: 93.202 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 53 Resp: 10927

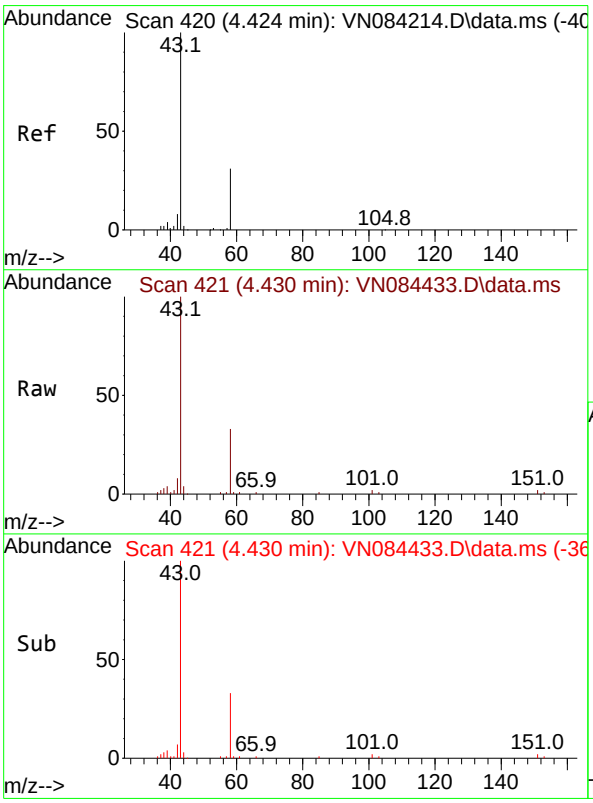
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.3	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

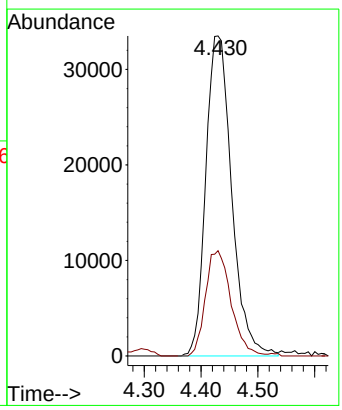
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

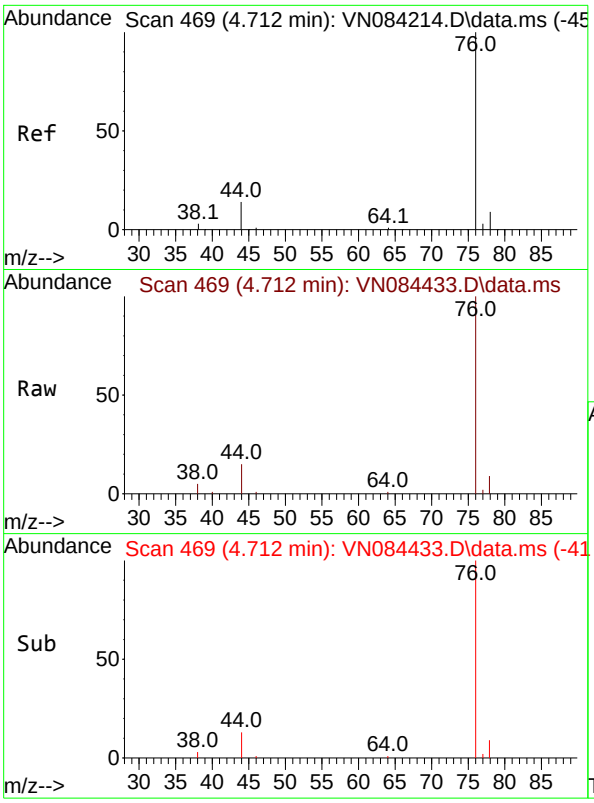


#16
Acetone
Concen: 87.496 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 105837

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.4	36.6

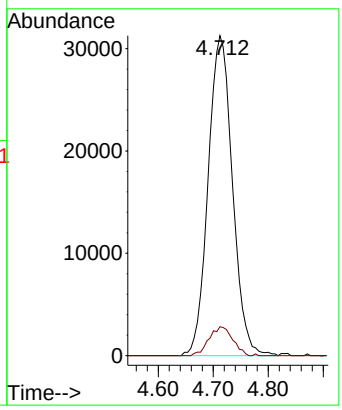




#17
Carbon Disulfide
Concen: 14.205 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 76 Resp: 9616

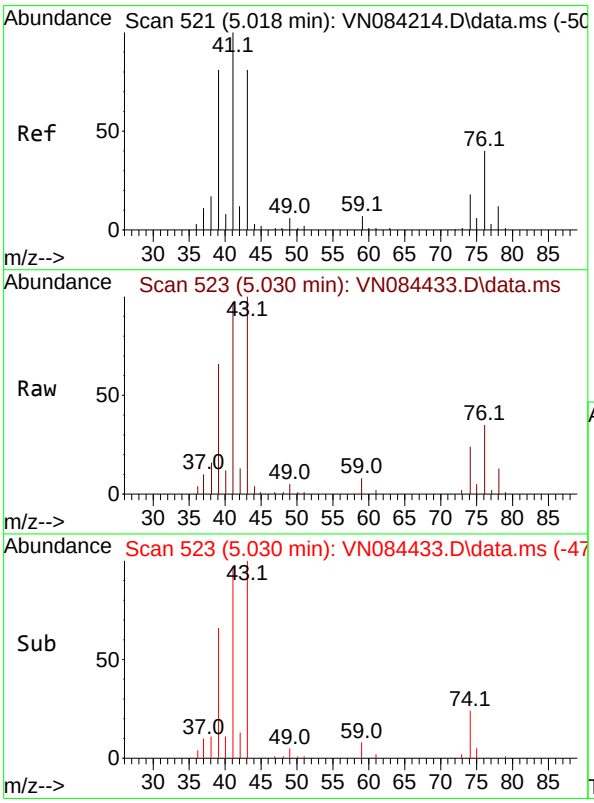
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

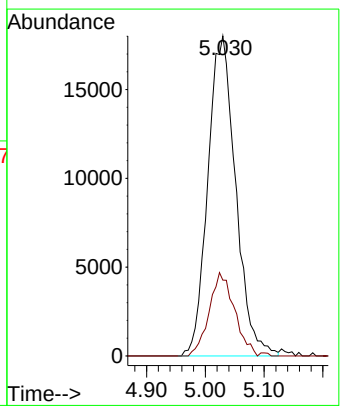
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

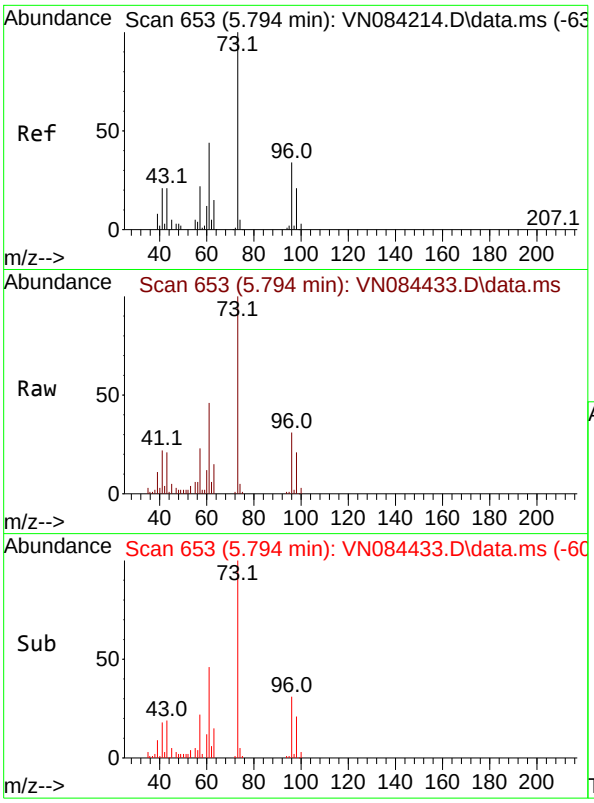


#18
Methyl Acetate
Concen: 22.474 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 59251

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8

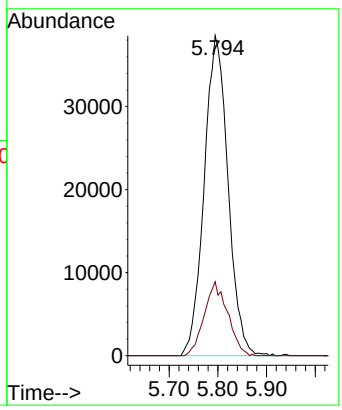




#19
Methyl tert-butyl Ether
Concen: 18.149 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 73 Resp: 13098

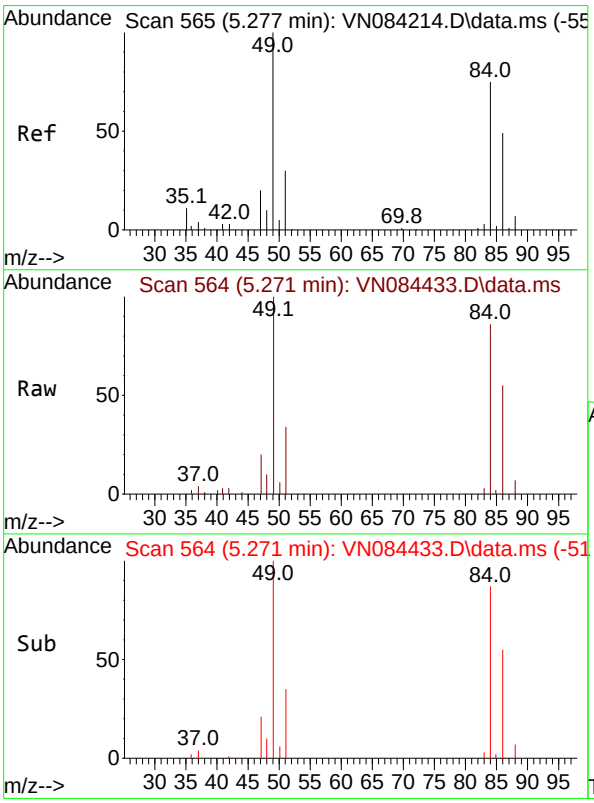
Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

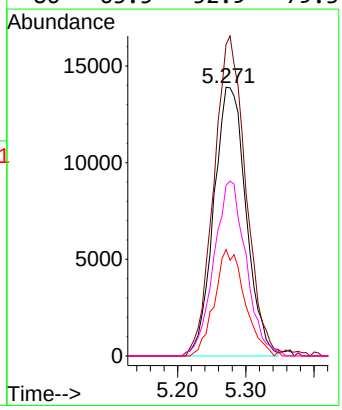
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

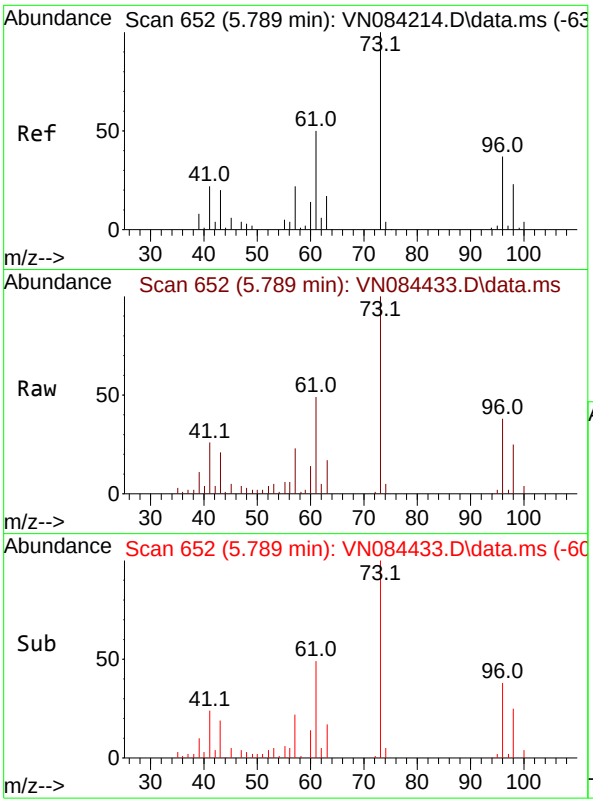


#20
Methylene Chloride
Concen: 18.603 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 84 Resp: 45743

Ion	Ratio	Lower	Upper
84	100		
49	116.0	107.2	160.8
51	39.6	31.8	47.8
86	63.5	52.9	79.3

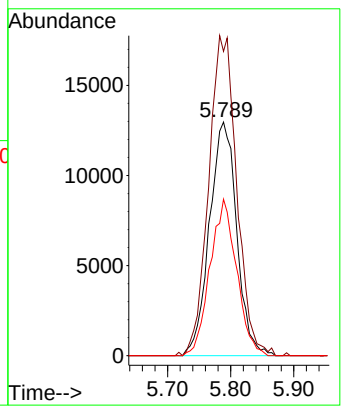




#21
trans-1,2-Dichloroethene
Concen: 17.359 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 96 Resp: 3888

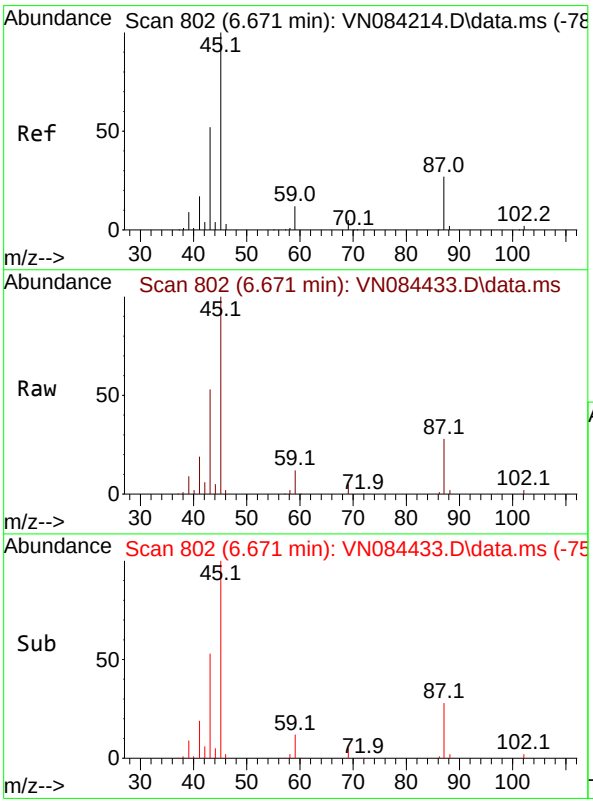
Ion	Ratio	Lower	Upper
96	100		
61	130.3	108.4	162.6
98	67.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

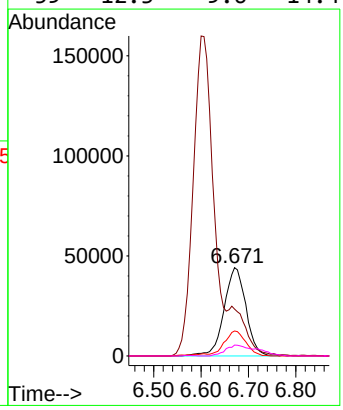
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

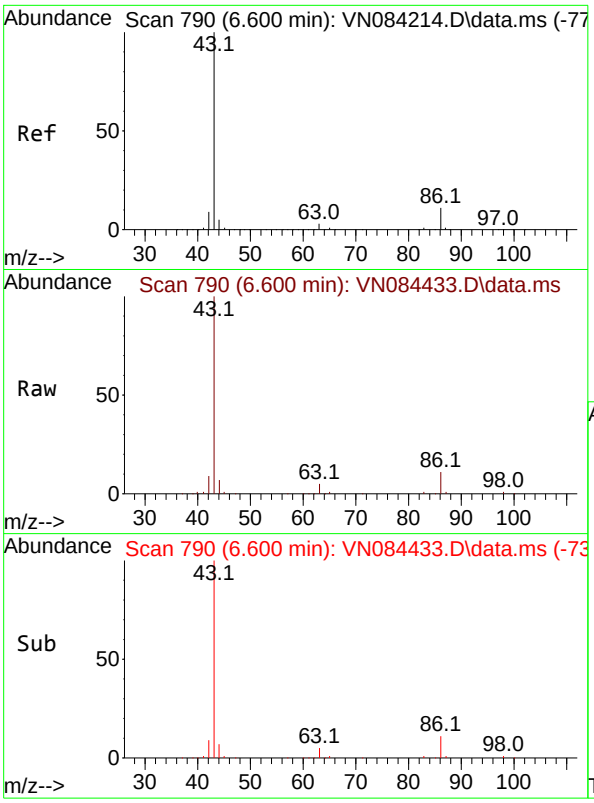


#22
Diisopropyl ether
Concen: 18.451 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 45 Resp: 141732

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.3	63.5
87	28.3	21.8	32.6
59	12.3	9.6	14.4

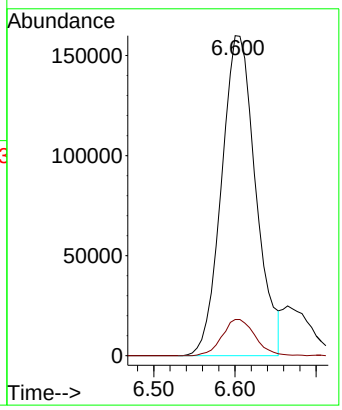




#23
Vinyl Acetate
Concen: 82.252 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 46861

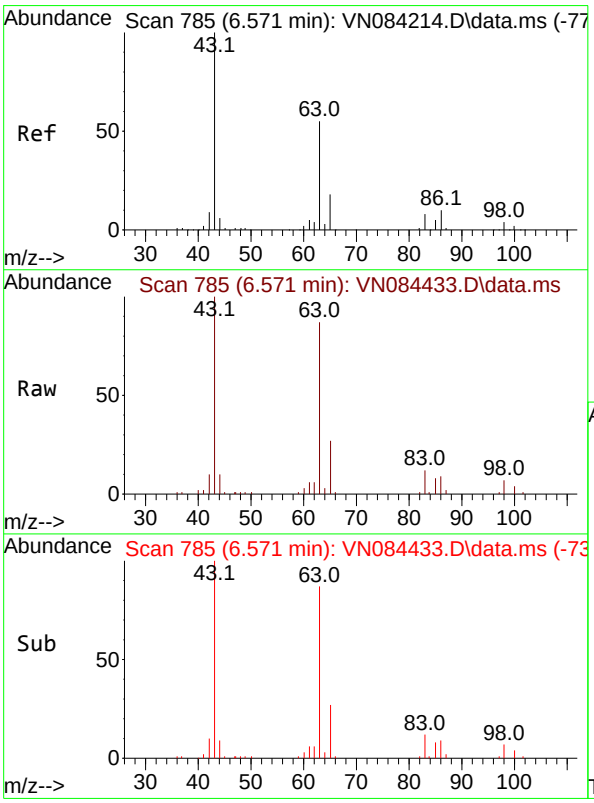
Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

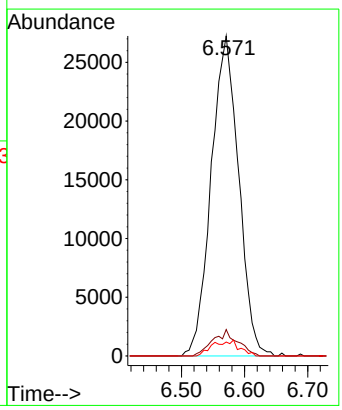
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

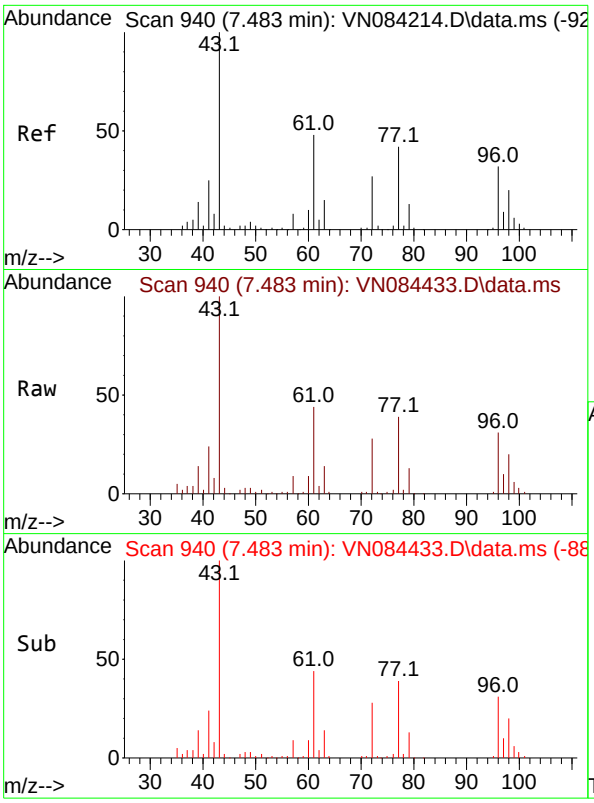


#24
1,1-Dichloroethane
Concen: 19.201 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 63 Resp: 82481

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.4	10.2
100	4.4	2.0	5.8





#25
2-Butanone
Concen: 88.663 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

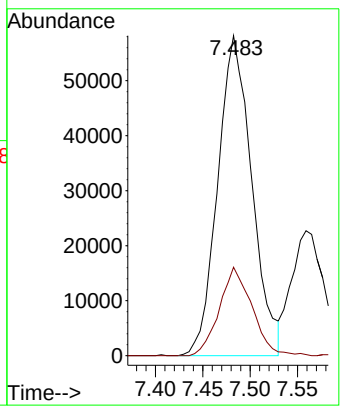
Tgt Ion: 43 Resp: 14607

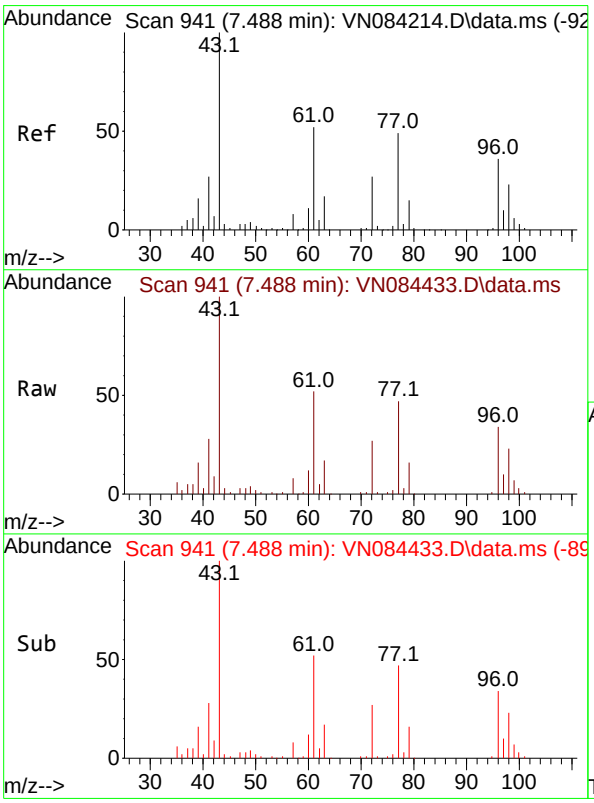
Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

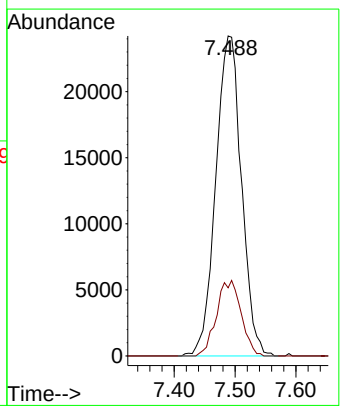


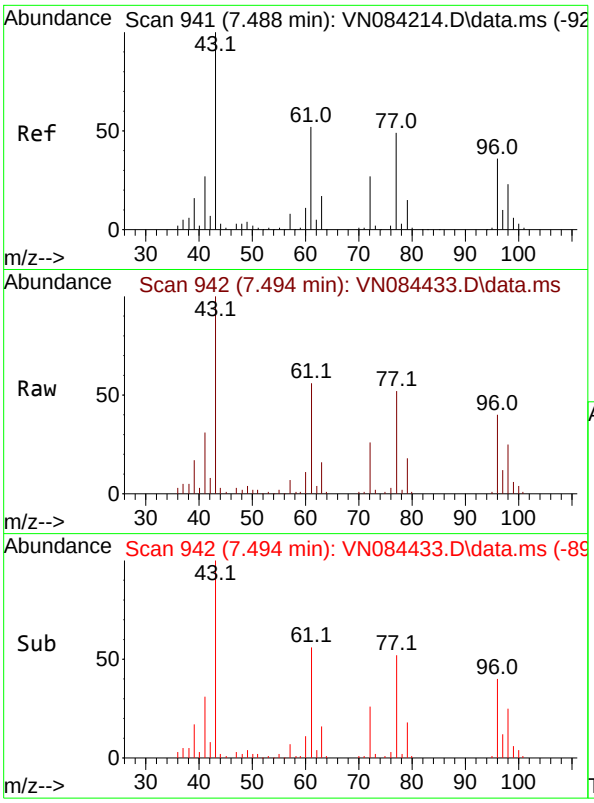


#26
2,2-Dichloropropane
Concen: 18.333 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 77 Resp: 71005

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 18.169 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

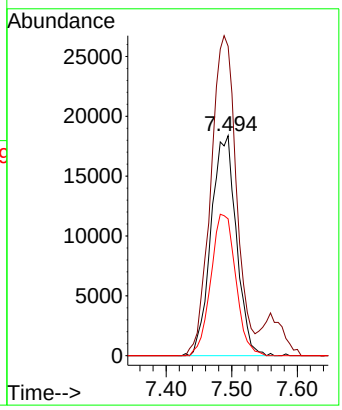
Tgt Ion: 96 Resp: 4918

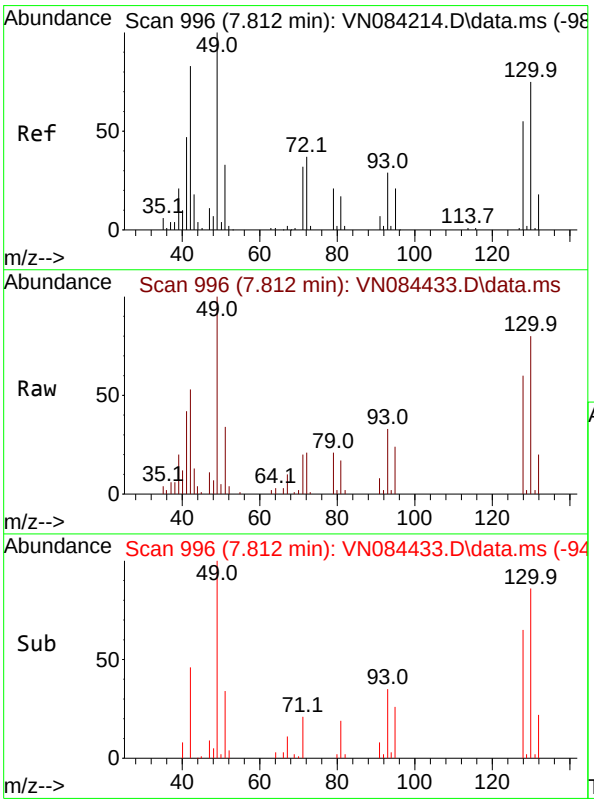
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.8
98	63.3	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

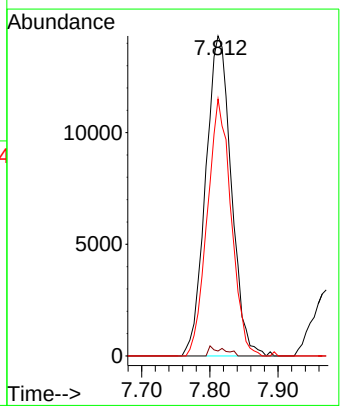


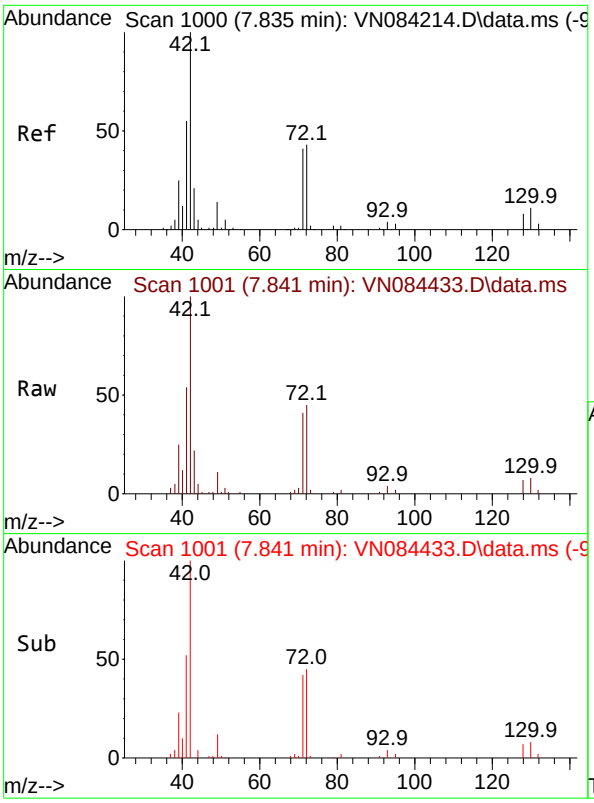


#28
Bromochloromethane
Concen: 19.592 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 49 Resp: 37550

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	74.6	58.0	87.0

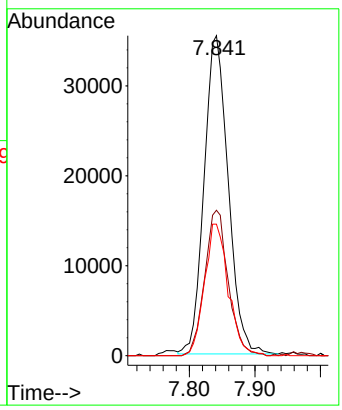




#29
Tetrahydrofuran
Concen: 88.935 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 42 Resp: 9042

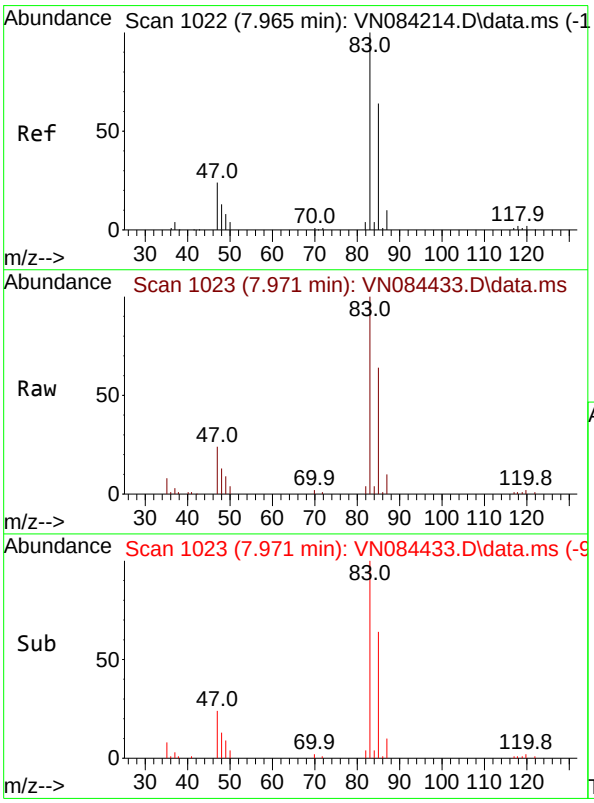
Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	41.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

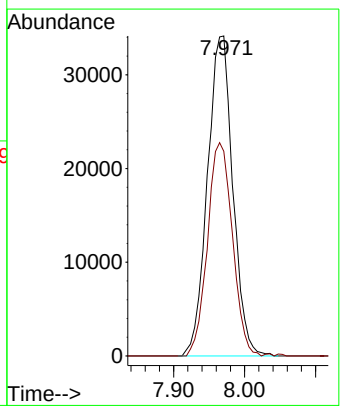
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

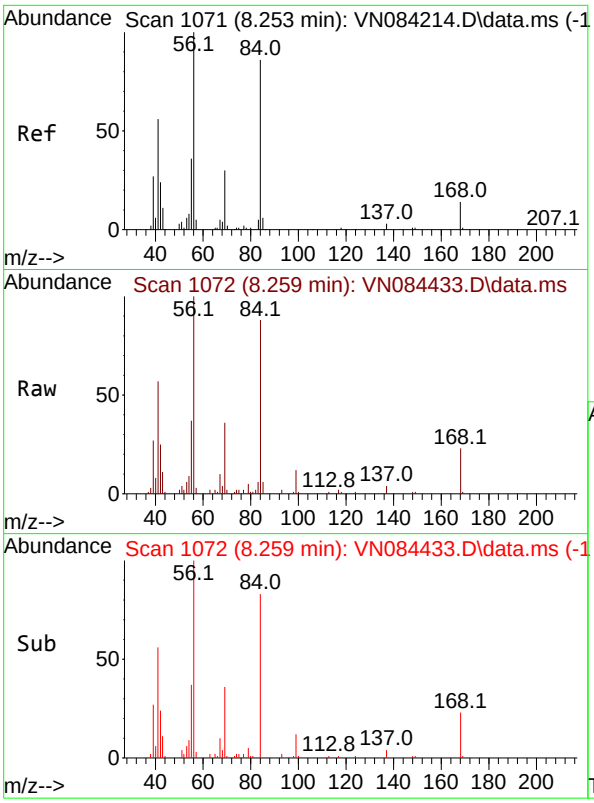


#30
Chloroform
Concen: 18.995 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 83 Resp: 84755

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.4

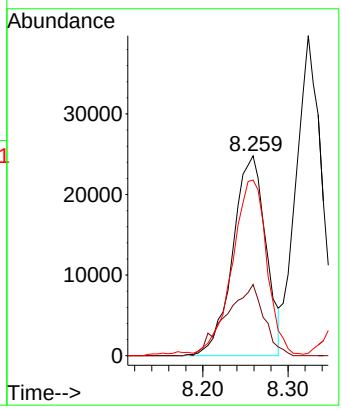




#31
Cyclohexane
Concen: 16.007 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 56 Resp: 6676

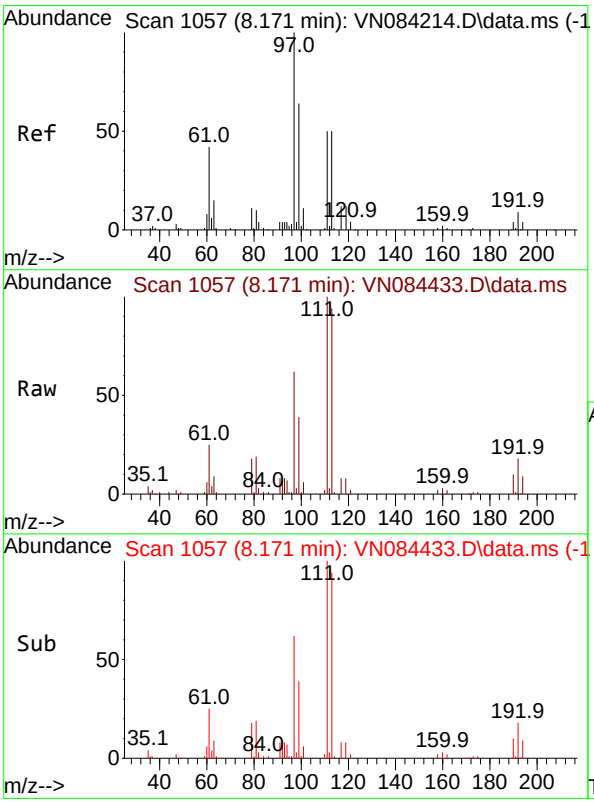
Ion	Ratio	Lower	Upper
56	100		
69	35.7	23.8	35.6
84	86.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

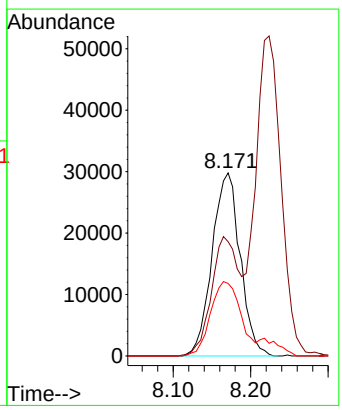
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

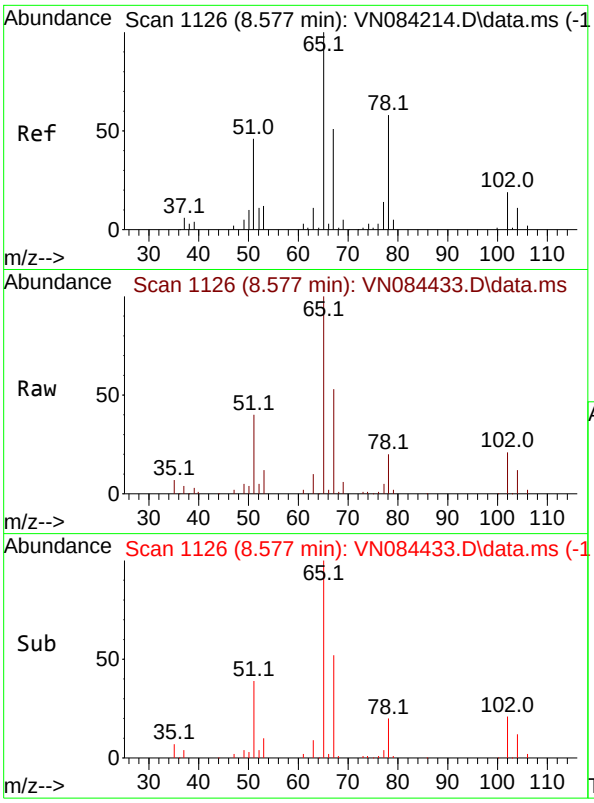


#32
1,1,1-Trichloroethane
Concen: 18.700 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 97 Resp: 74940

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.2	76.8
61	43.8	37.5	56.3

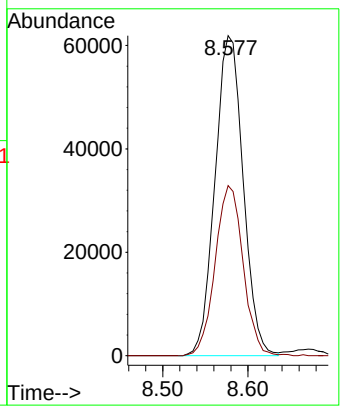




#33
1,2-Dichloroethane-d4
Concen: 50.547 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 65 Resp: 14233

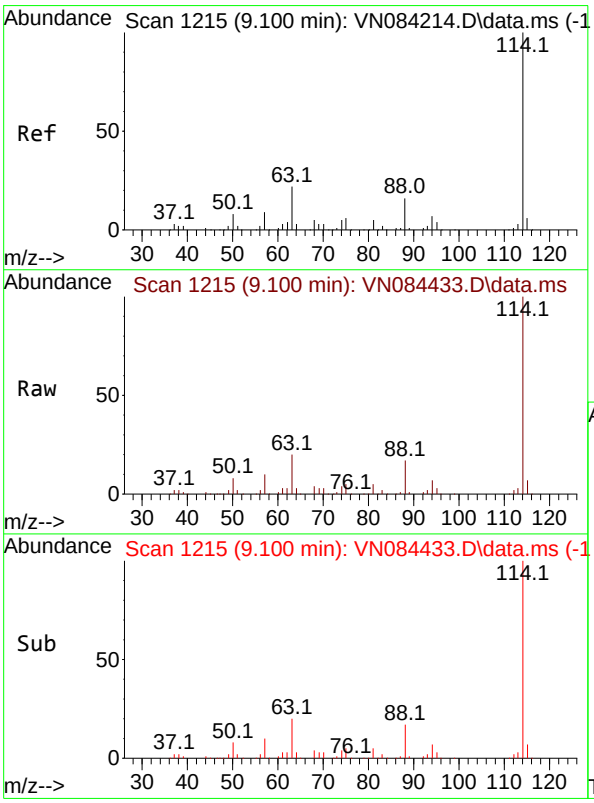
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

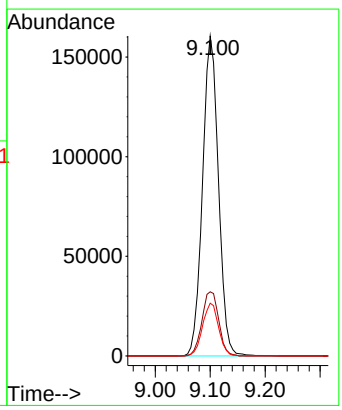
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

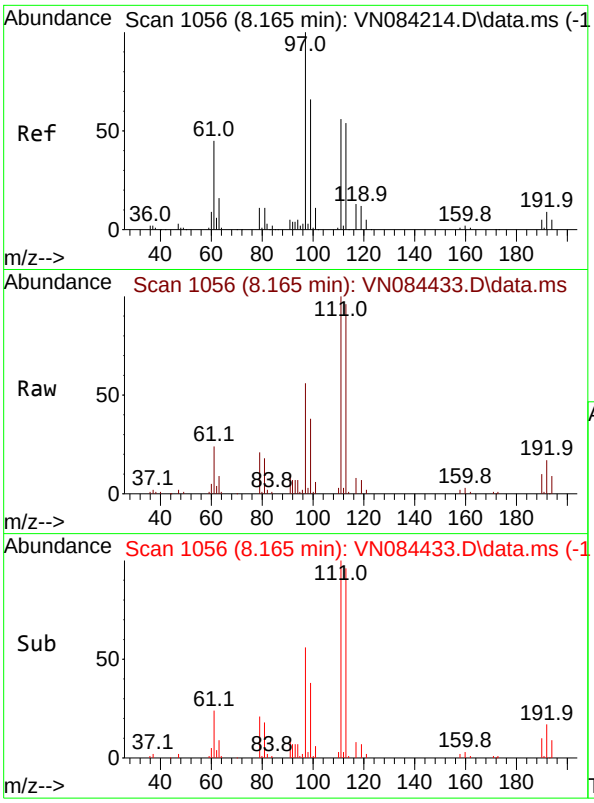


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:114 Resp: 322919

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.5	0.0	31.6

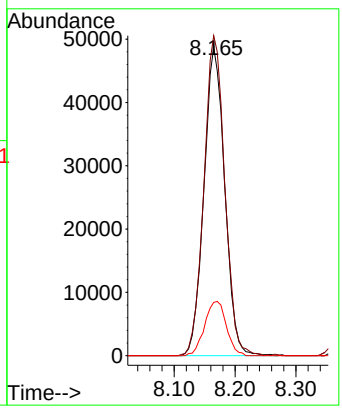




#35
Dibromofluoromethane
Concen: 54.258 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:113 Resp: 11550

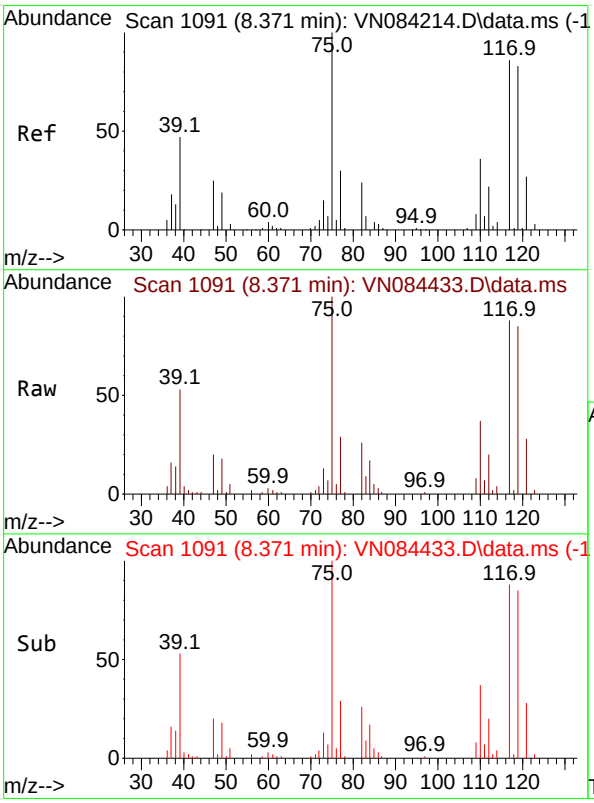
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

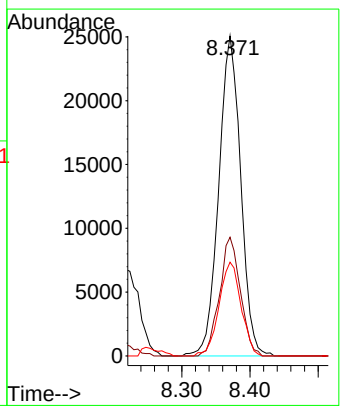
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

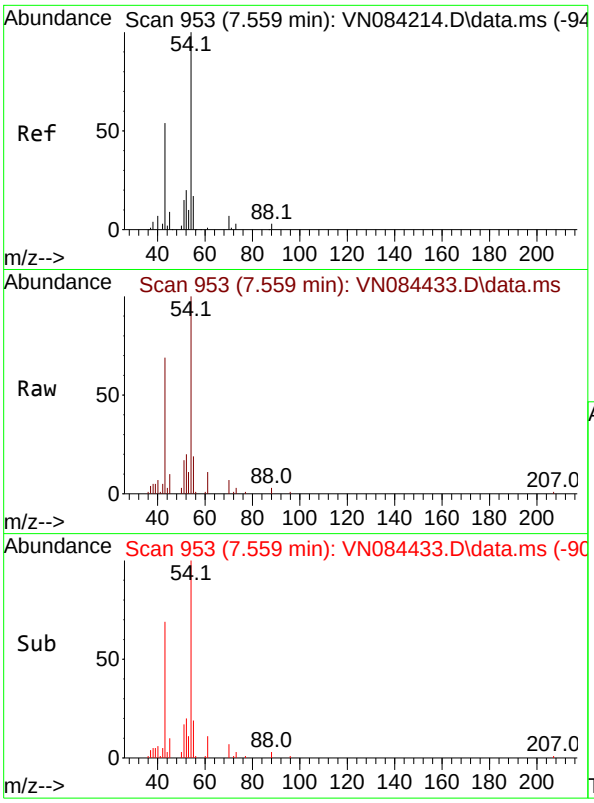


#36
1,1-Dichloropropene
Concen: 18.162 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 56161

Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.9	50.7
77	29.3	24.7	37.1

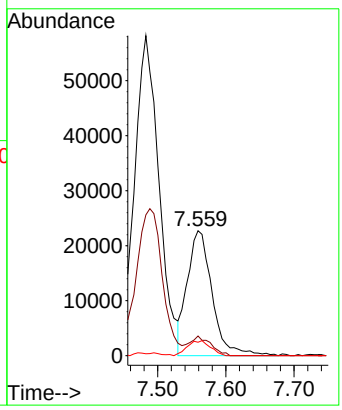




#37
Ethyl Acetate
Concen: 18.111 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 5745

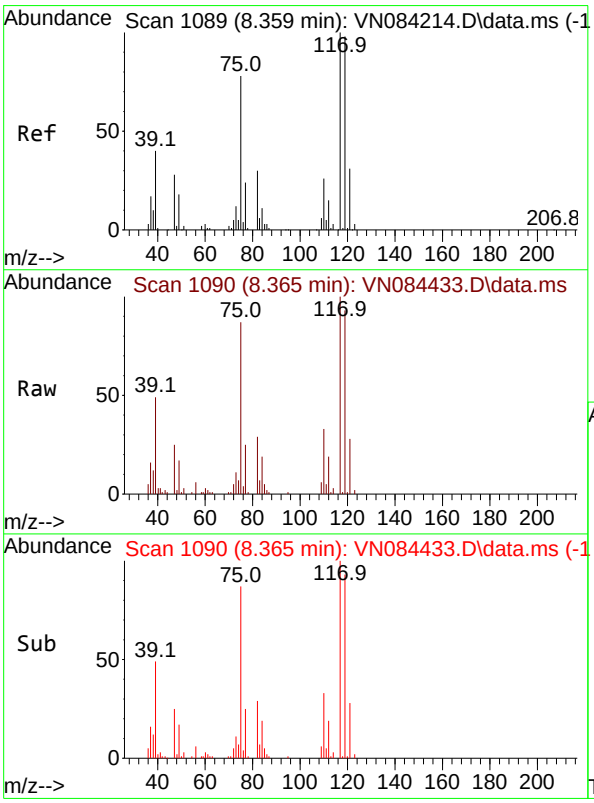
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

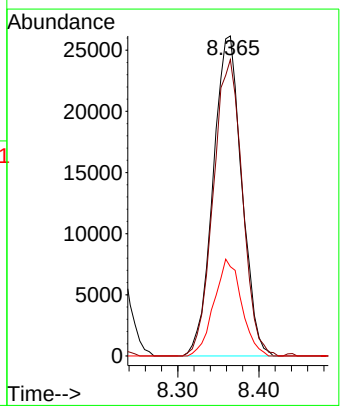
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

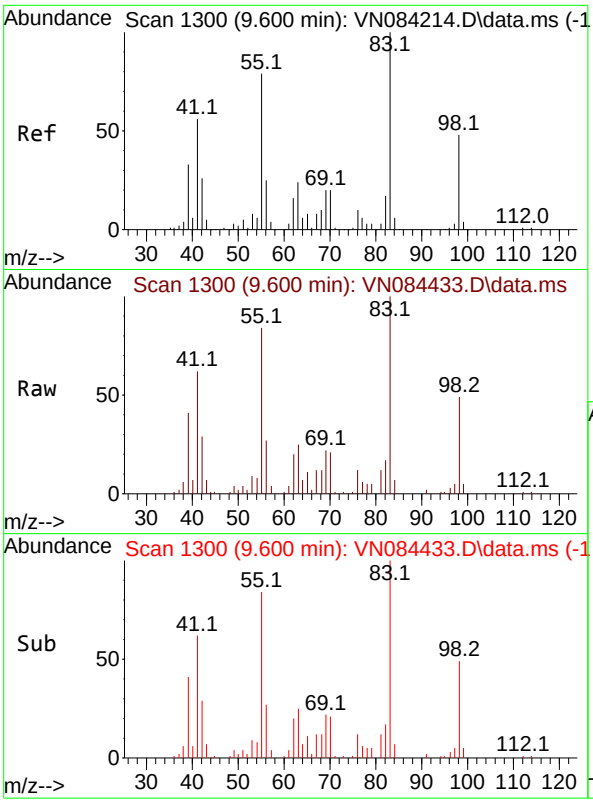


#38
Carbon Tetrachloride
Concen: 18.912 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:117 Resp: 64152

Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.7	118.1
121	27.9	24.4	36.6

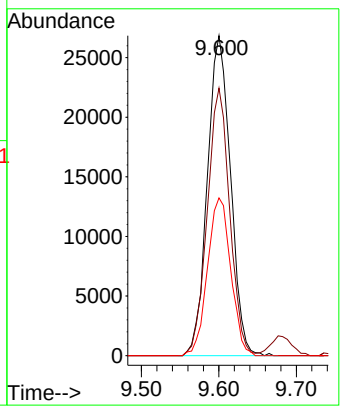




#39
Methylcyclohexane
Concen: 16.168 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 83 Resp: 5564

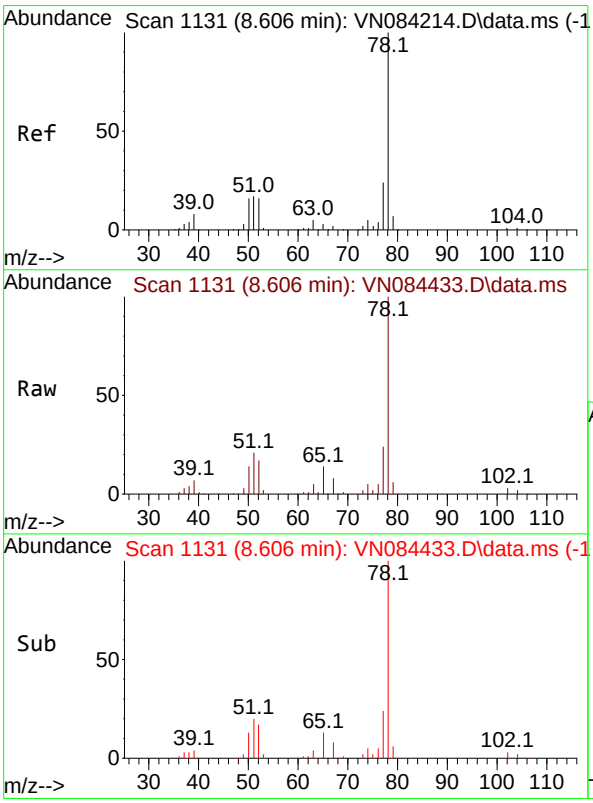
Ion	Ratio	Lower	Upper
83	100		
55	83.6	62.8	94.2
98	49.3	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

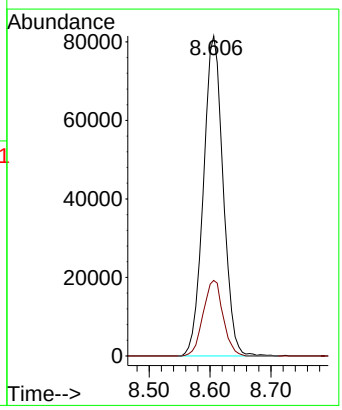
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

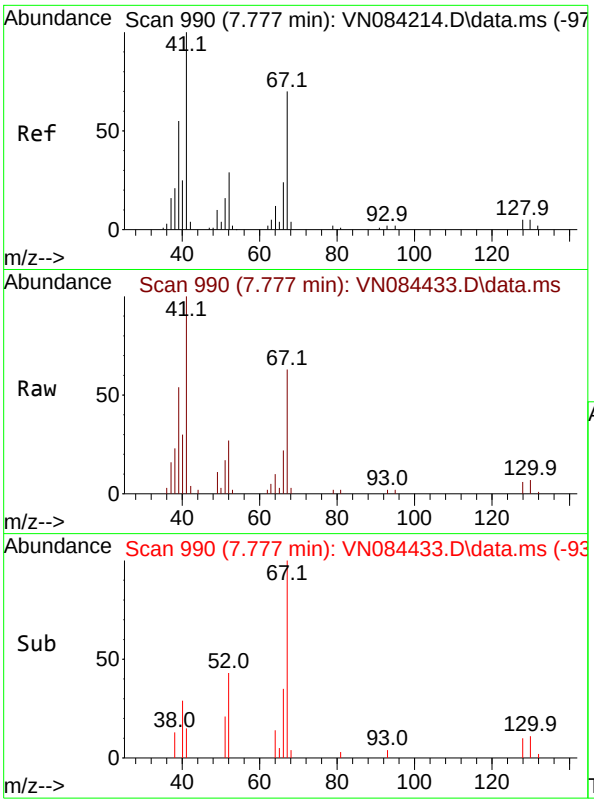


#40
Benzene
Concen: 19.002 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 78 Resp: 183073

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7

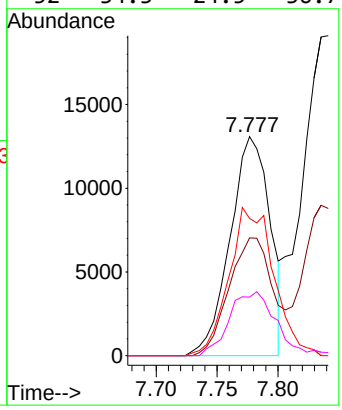




#41
Methacrylonitrile
Concen: 17.338 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 41 Resp: 2986

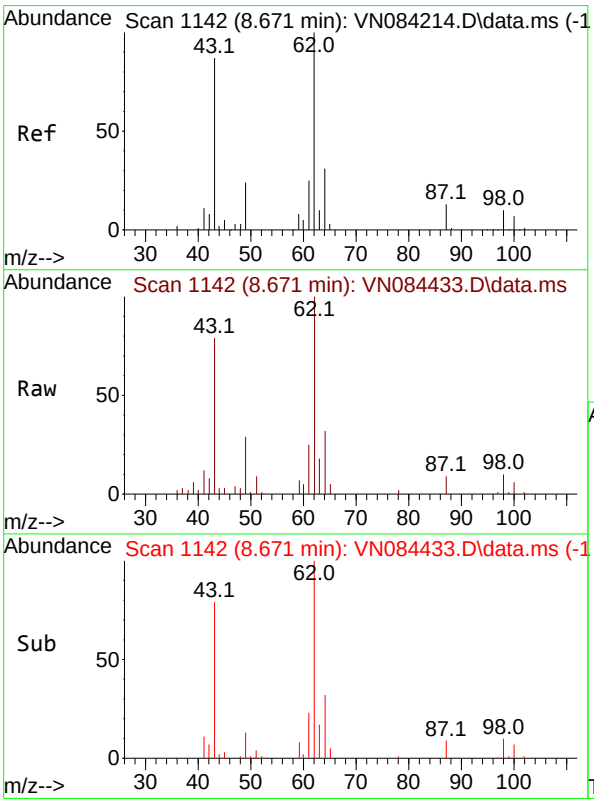
Ion	Ratio	Lower	Upper
41	100		
39	59.2	43.3	64.9
67	75.6	56.1	84.1
52	34.3	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

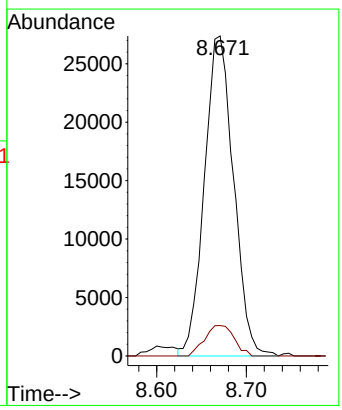
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

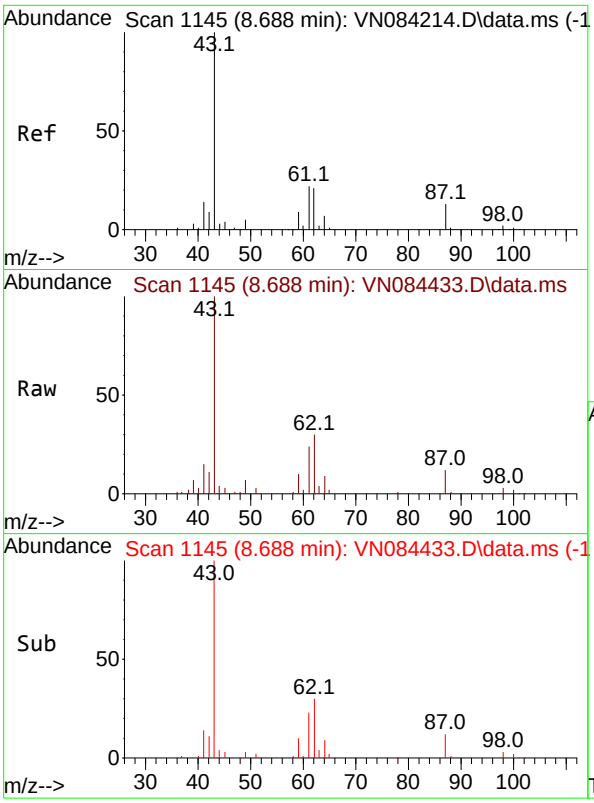


#42
1,2-Dichloroethane
Concen: 18.907 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 62 Resp: 61753

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2

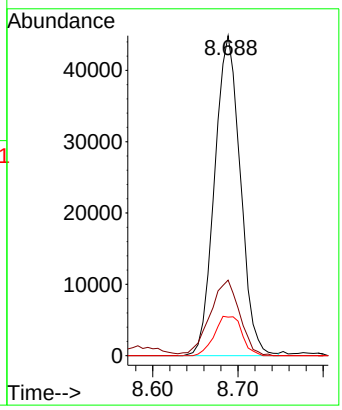




#43
Isopropyl Acetate
Concen: 15.136 ug/l
RT: 8.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 9405

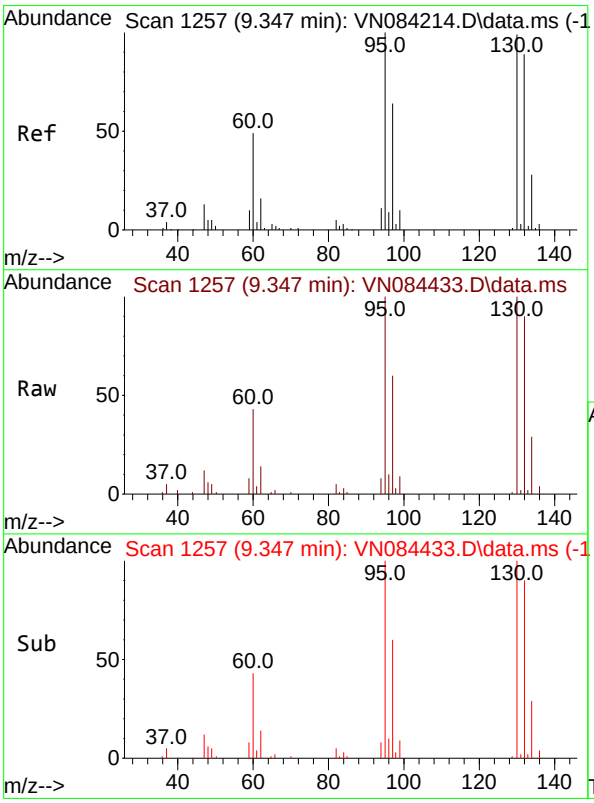
Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.4	30.6
87	13.1	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

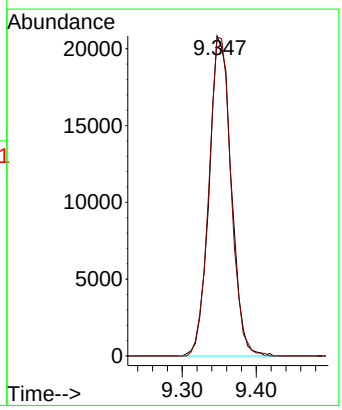
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

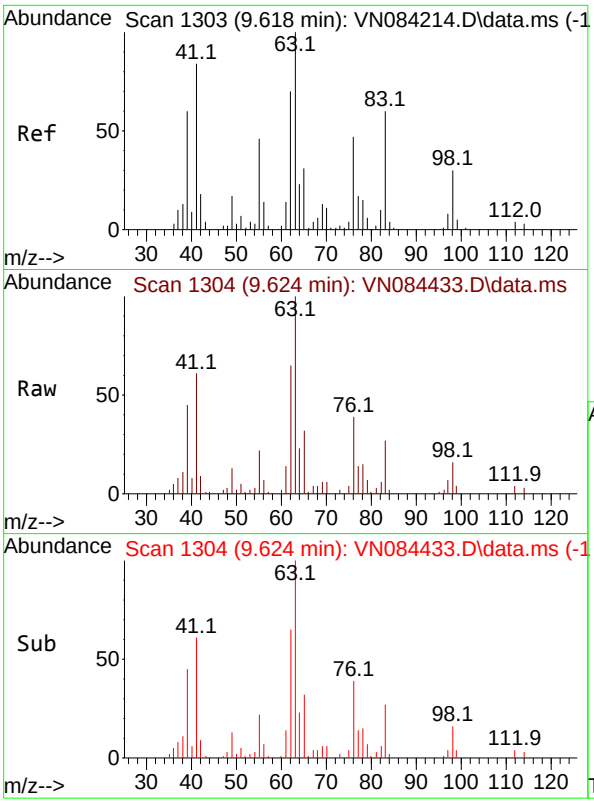


#44
Trichloroethene
Concen: 19.166 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:130 Resp: 43127

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.0

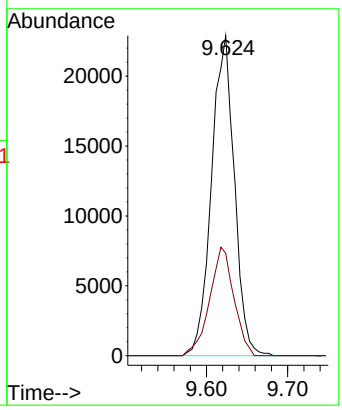




#45
1,2-Dichloropropane
Concen: 19.644 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 63 Resp: 4477

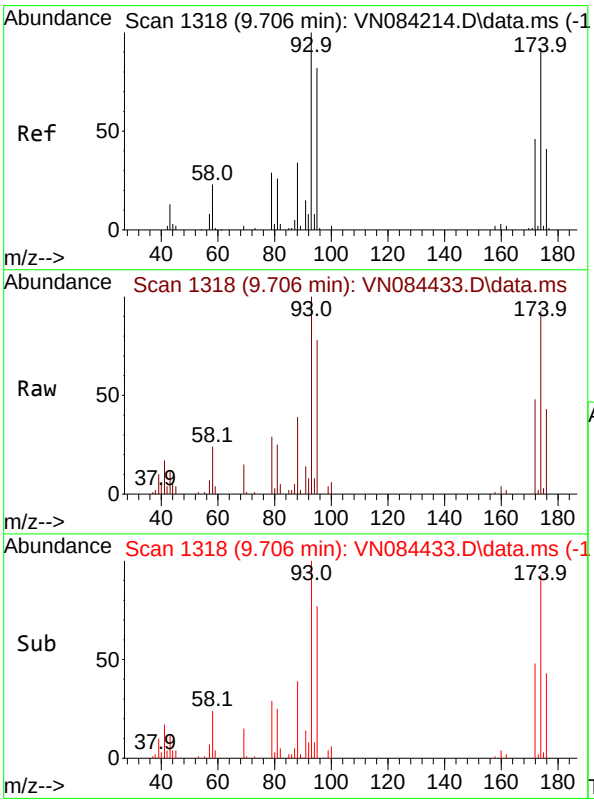
Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

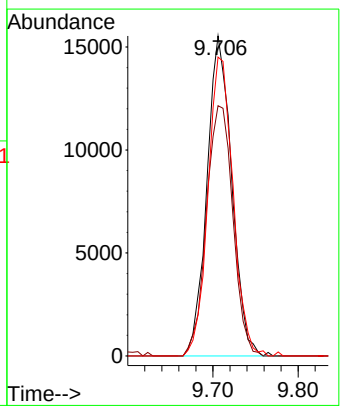
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

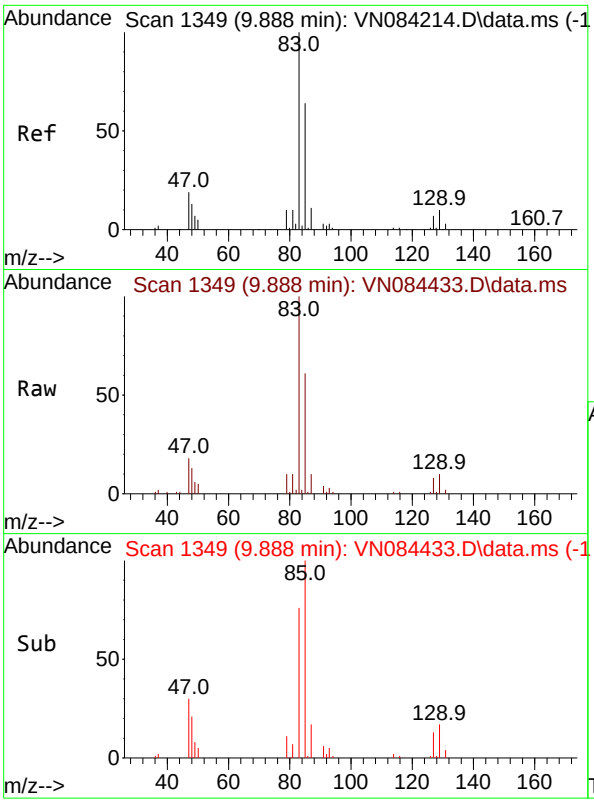


#46
Dibromomethane
Concen: 20.401 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 93 Resp: 31378

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.4
174	94.1	71.8	107.8

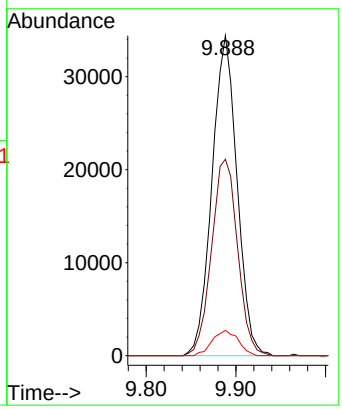




#47
Bromodichloromethane
Concen: 19.490 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 83 Resp: 6659

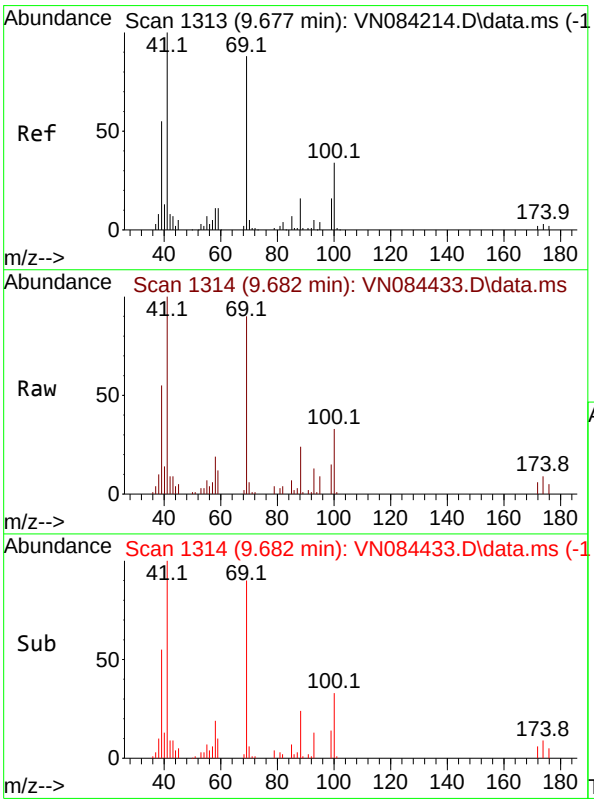
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	7.9	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

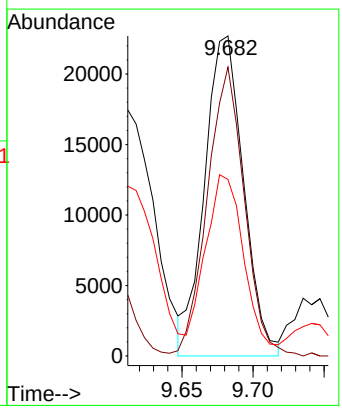
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

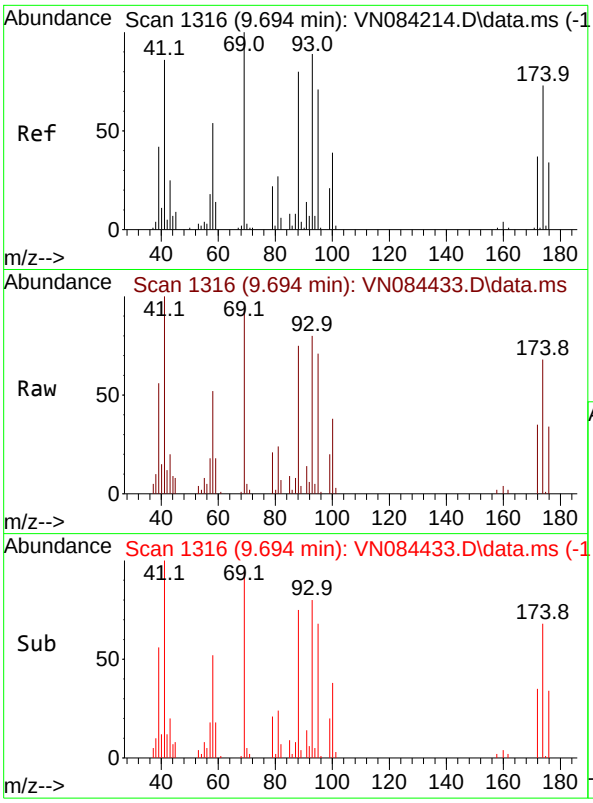


#48
Methyl methacrylate
Concen: 17.526 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 41 Resp: 43352

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	56.5	45.8	68.6





#49
1,4-Dioxane
Concen: 373.245 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

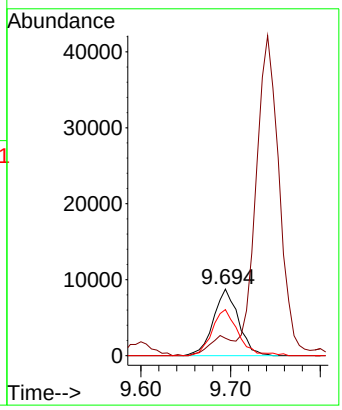
Tgt Ion: 88 Resp: 1699

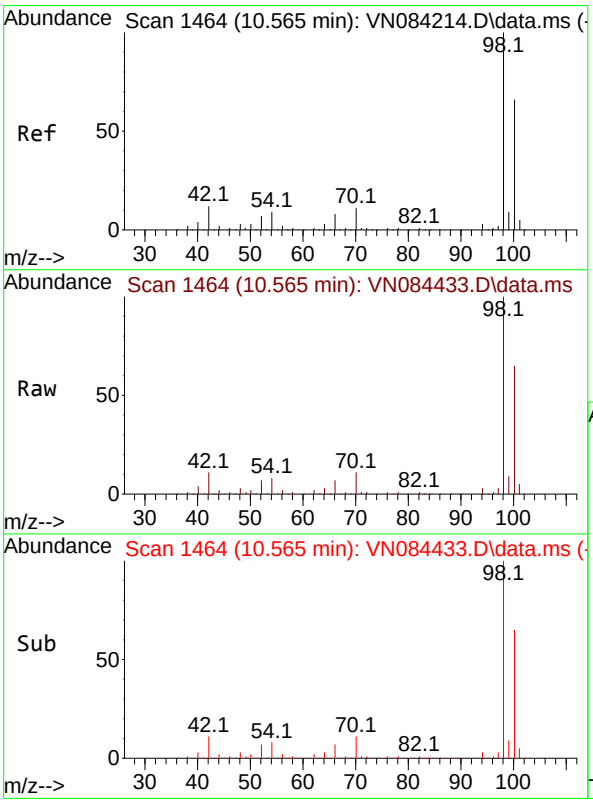
Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.3	37.9
58	72.3	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

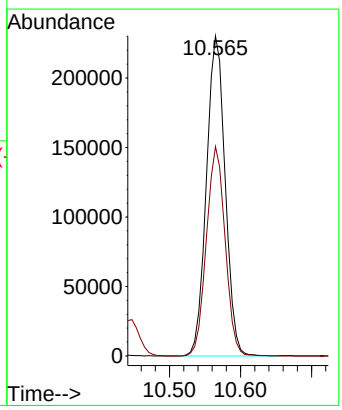


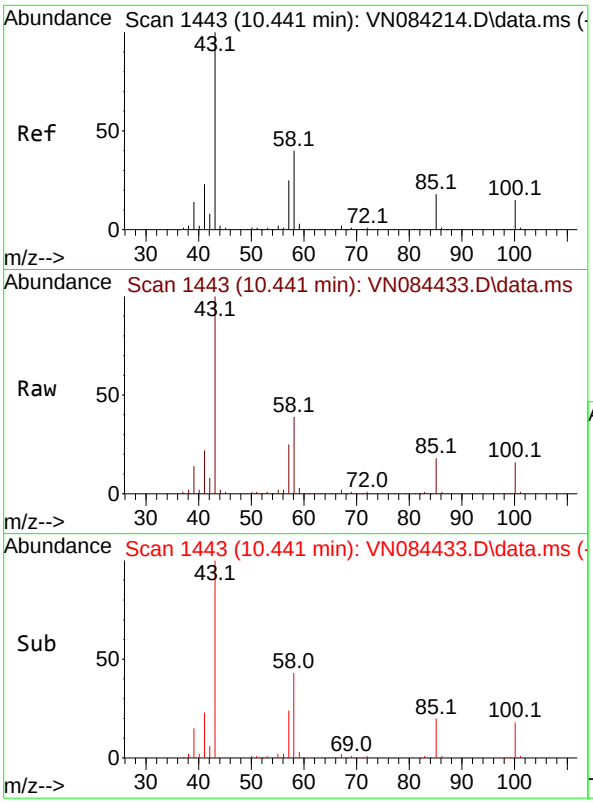


#50
Toluene-d8
Concen: 53.947 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 98 Resp: 422532

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

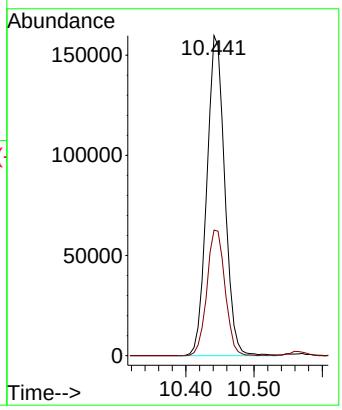




#51
4-Methyl-2-Pentanone
Concen: 96.801 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 29233

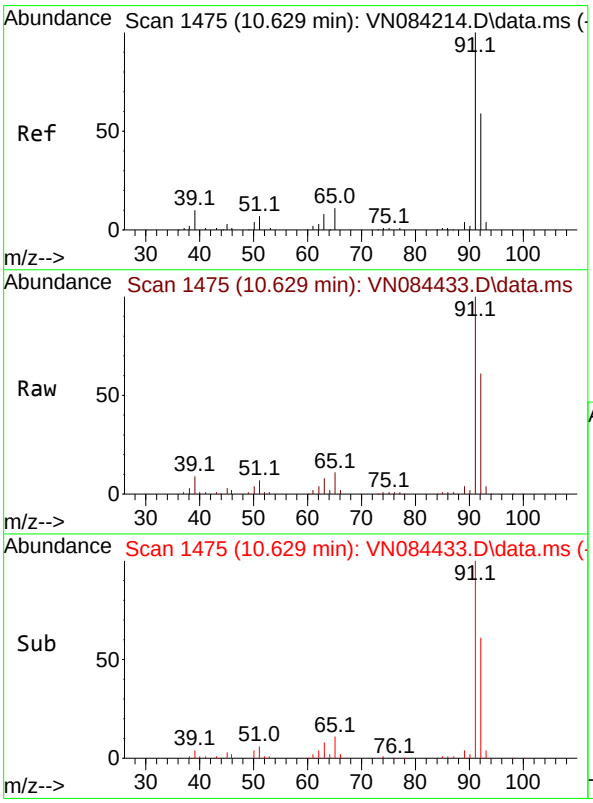
Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

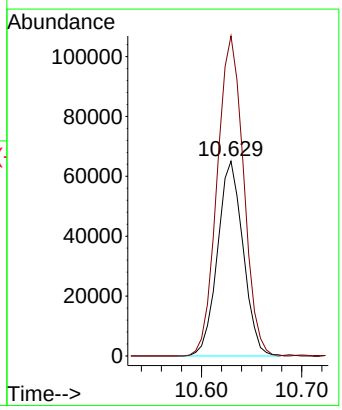
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

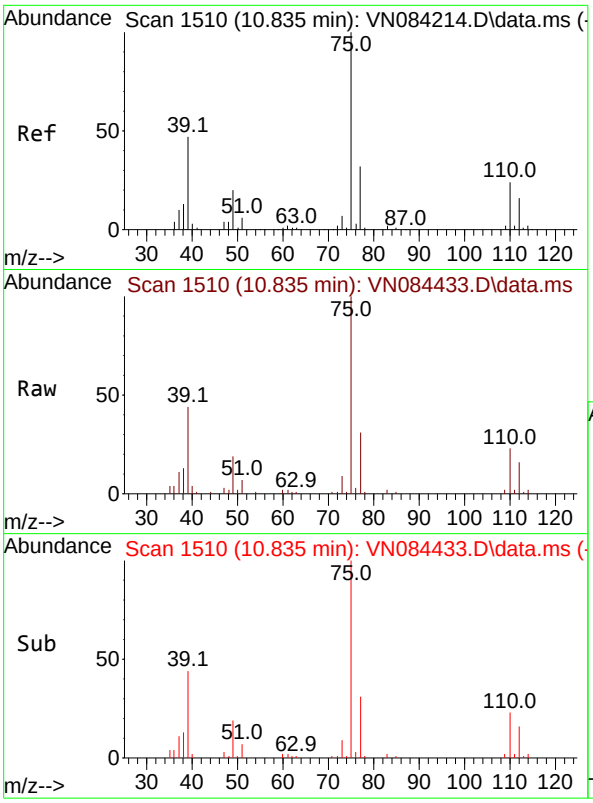


#52
Toluene
Concen: 19.551 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 92 Resp: 114864

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.3	205.9

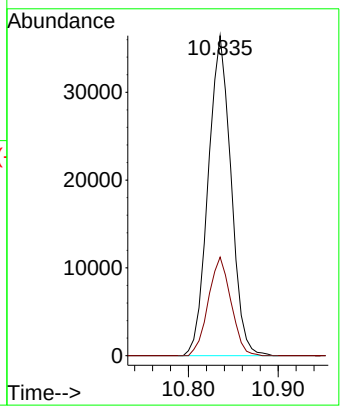




#53
t-1,3-Dichloropropene
Concen: 18.476 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 6435

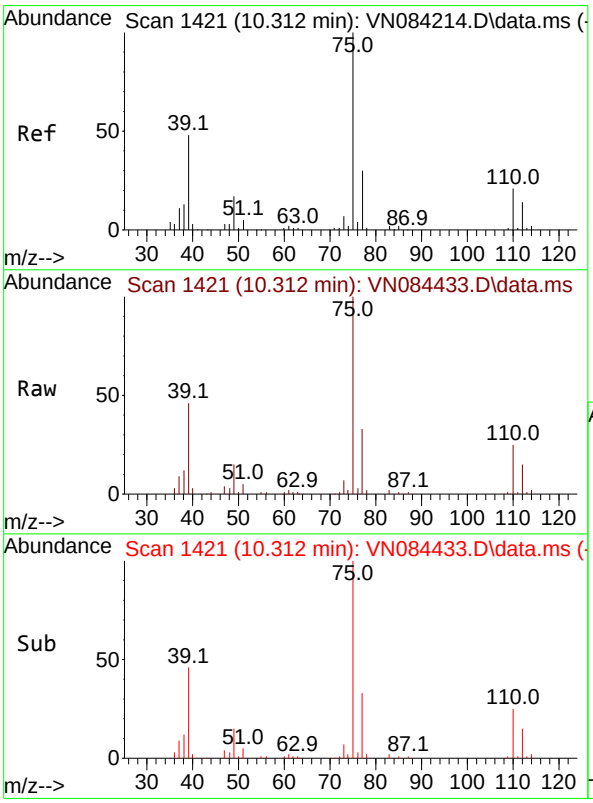
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

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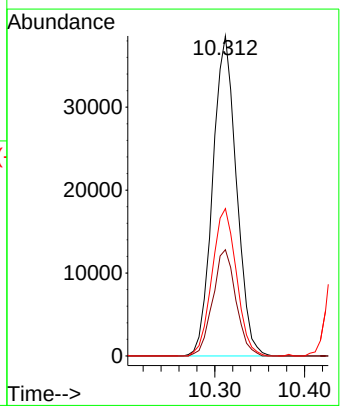
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

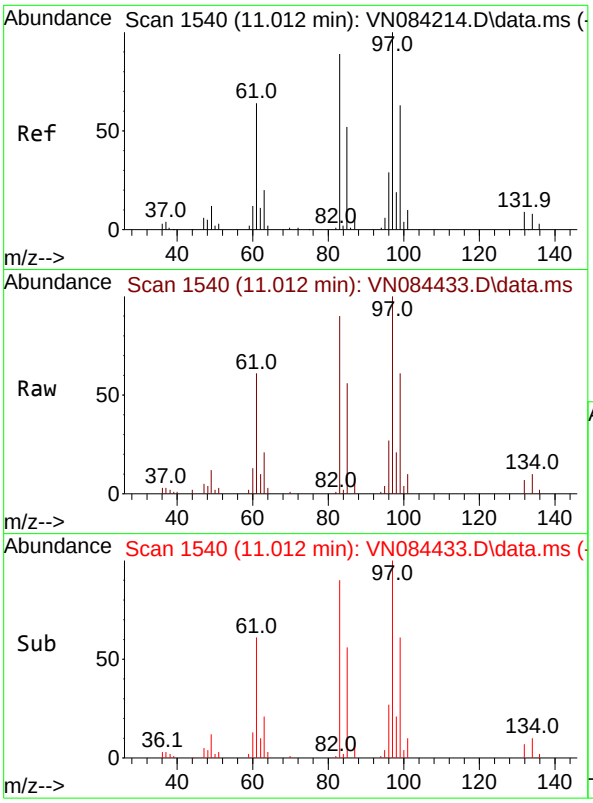


#54
cis-1,3-Dichloropropene
Concen: 18.891 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 70777

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.2	36.2
39	46.1	38.7	58.1

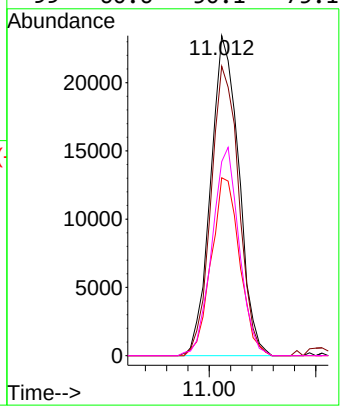




#55
1,1,2-Trichloroethane
Concen: 20.441 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 97 Resp: 4305

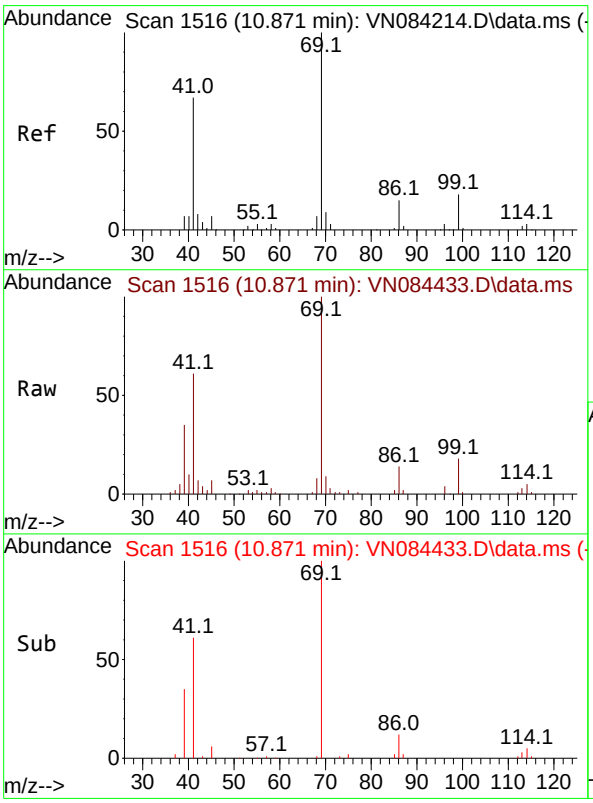
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.0	106.4
85	55.6	41.7	62.5
99	60.6	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

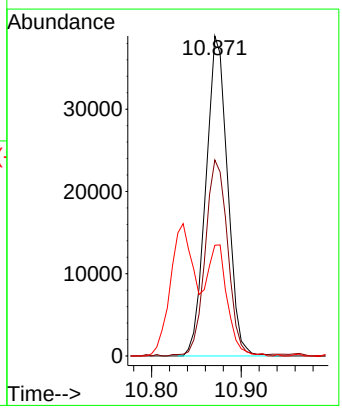
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

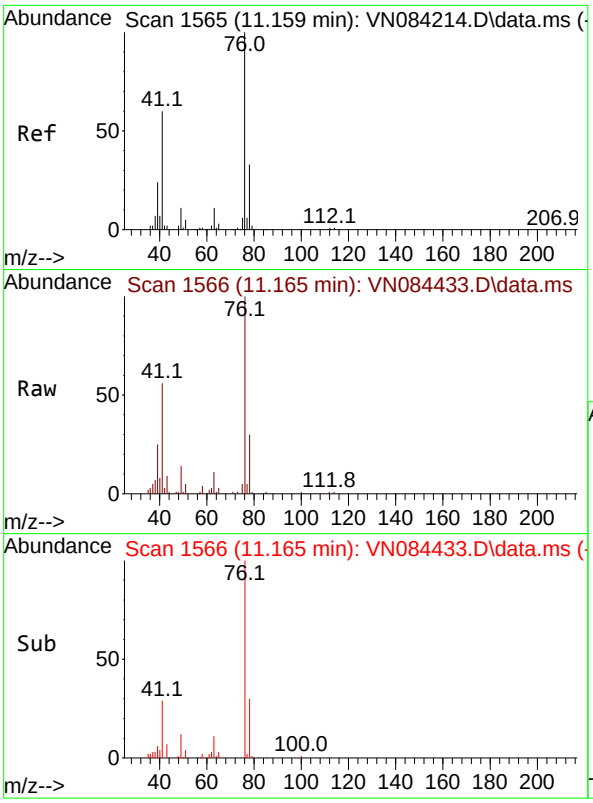


#56
Ethyl methacrylate
Concen: 18.829 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 69 Resp: 65255

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.3	79.9
39	33.9	28.8	43.2

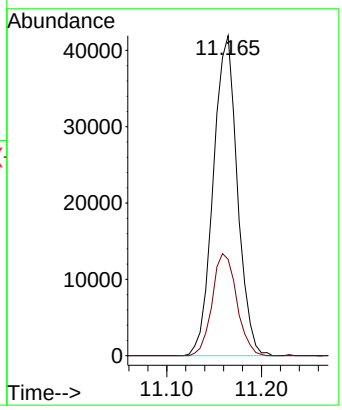




#57
1,3-Dichloropropane
Concen: 19.693 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 76 Resp: 7411

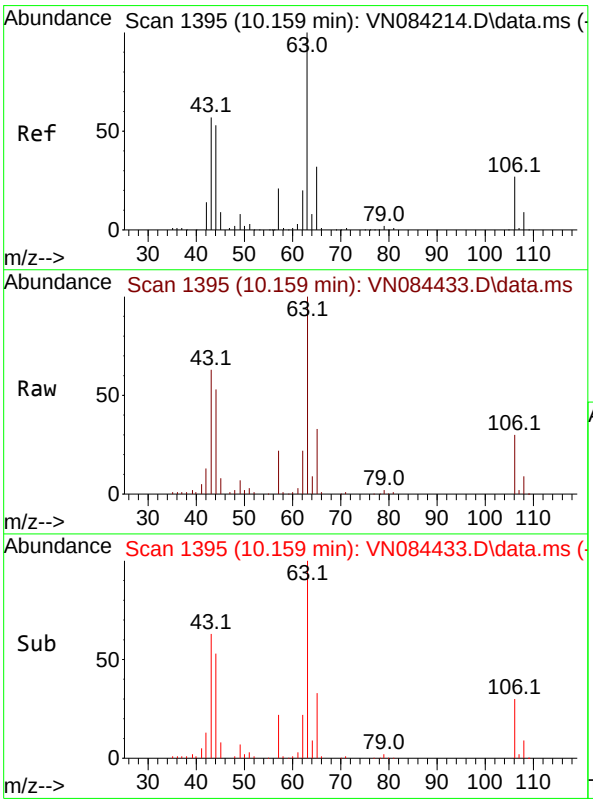
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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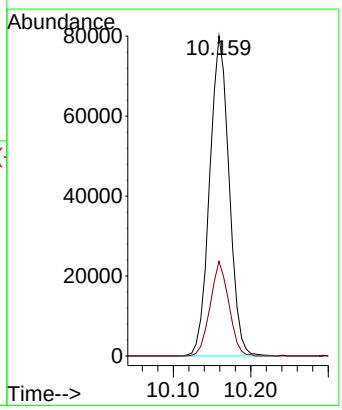
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

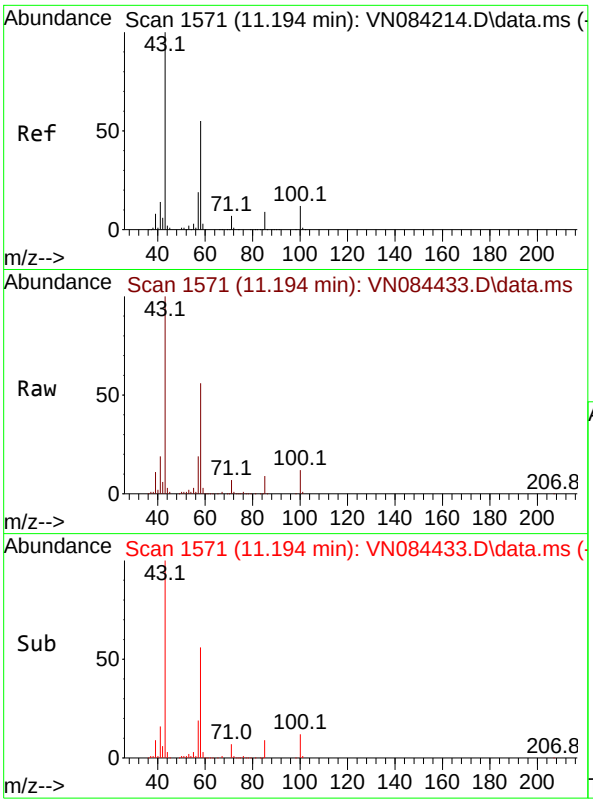


#58
2-Chloroethyl Vinyl ether
Concen: 86.930 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 63 Resp: 139755

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.8	32.6





#59
2-Hexanone
Concen: 96.112 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

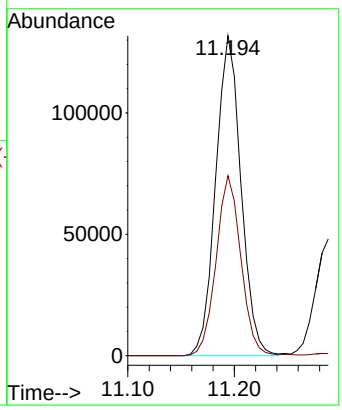
Tgt Ion: 43 Resp: 21694

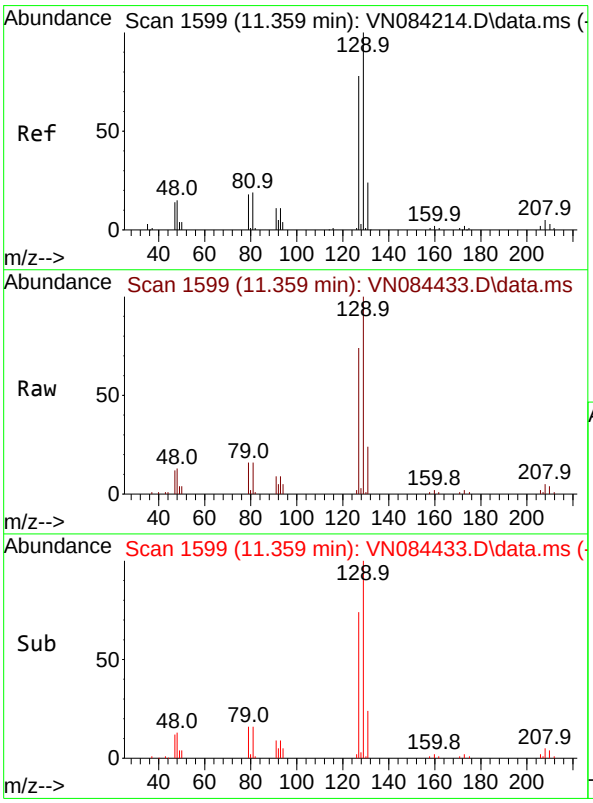
Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.3	81.8

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

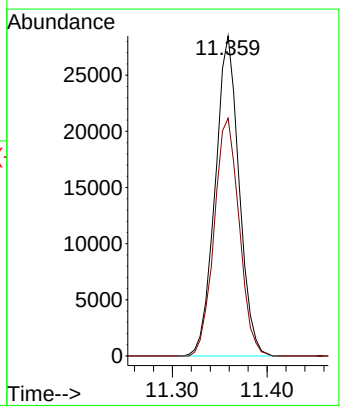


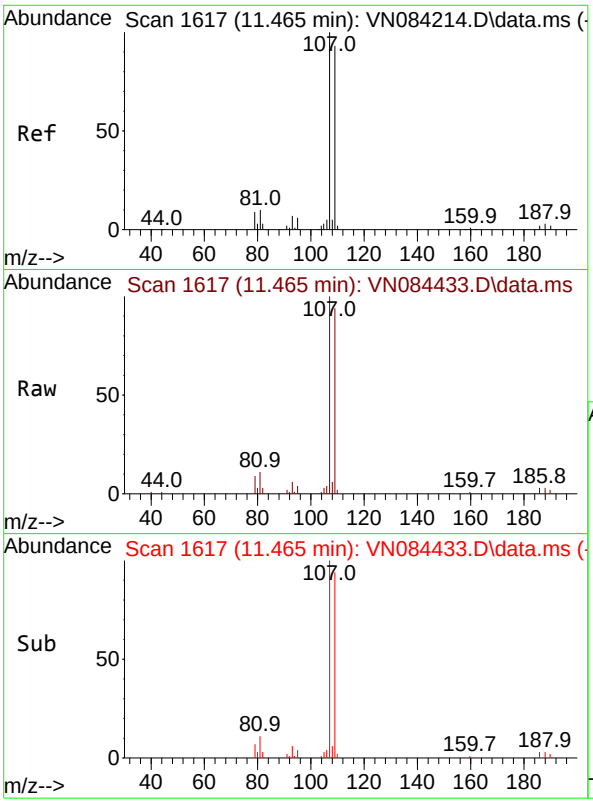


#60
Dibromochloromethane
Concen: 20.104 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:129 Resp: 50030

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9

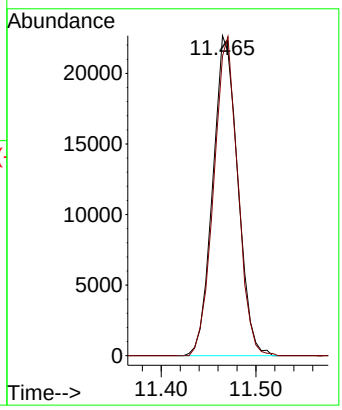




#61
1,2-Dibromoethane
Concen: 18.994 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:107 Resp: 4156

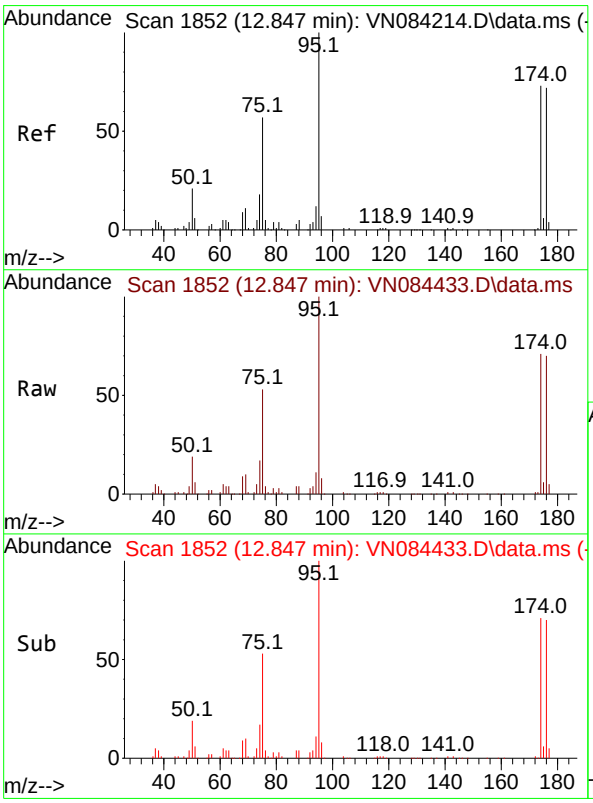
Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

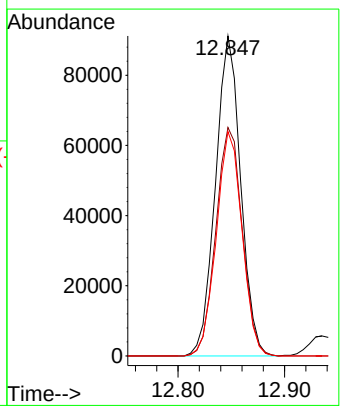
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

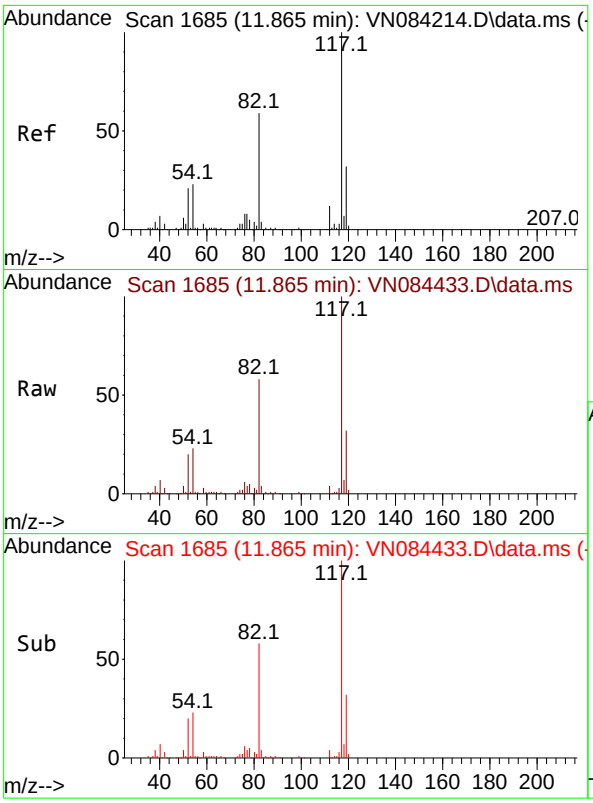


#62
4-Bromofluorobenzene
Concen: 52.521 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 95 Resp: 149865

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	71.6	0.0	140.0

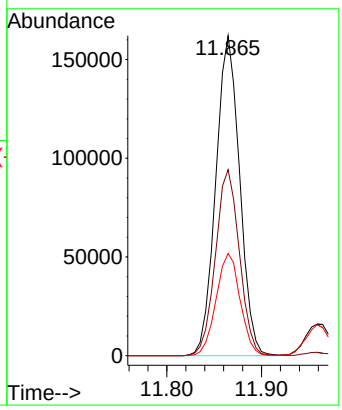




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:117 Resp: 28416

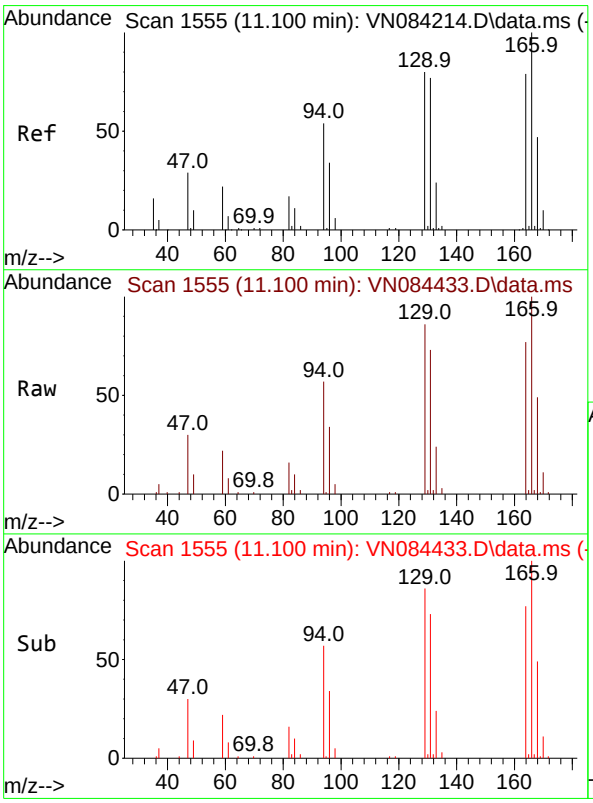
Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	31.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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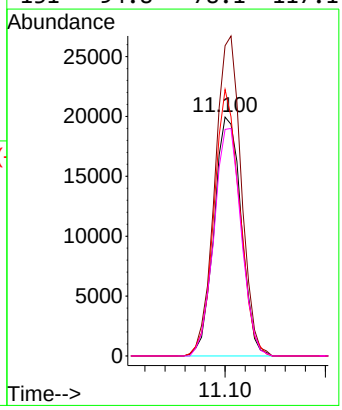
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

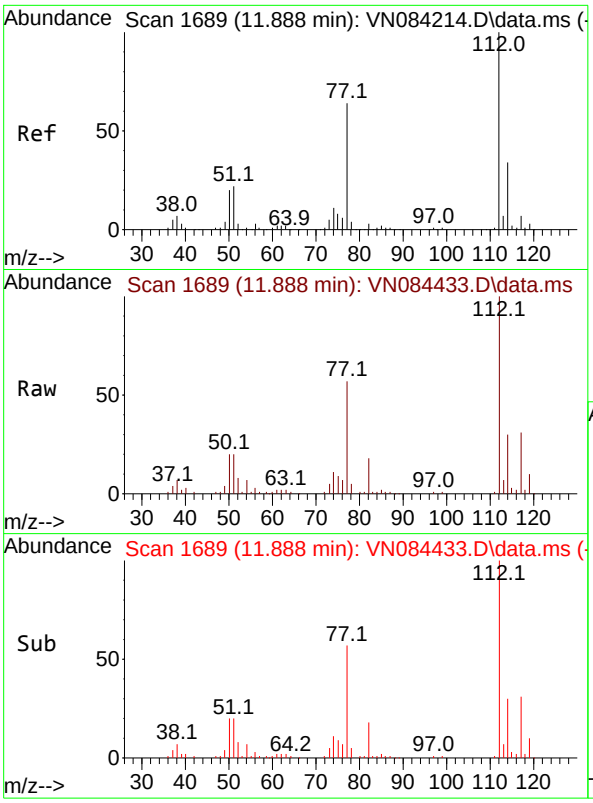


#64
Tetrachloroethene
Concen: 18.924 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:164 Resp: 37454

Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.0	151.4
129	111.5	80.8	121.2
131	94.8	78.1	117.1

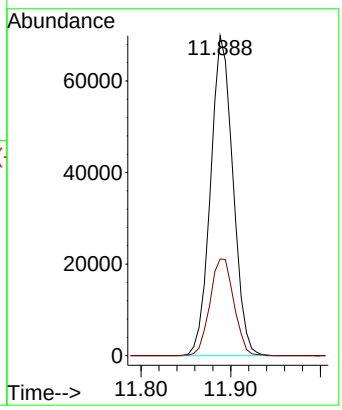




#65
Chlorobenzene
Concen: 19.217 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:112 Resp: 12107

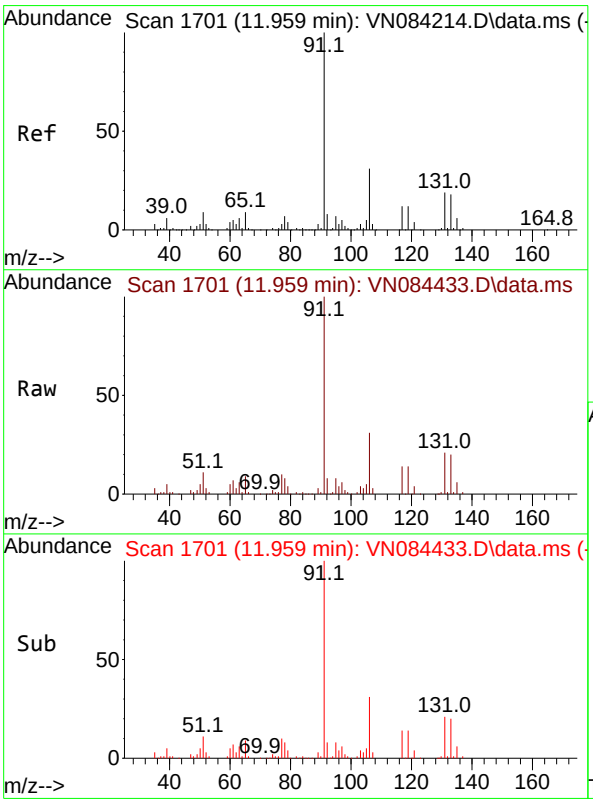
Ion	Ratio	Lower	Upper
112	100		
114	30.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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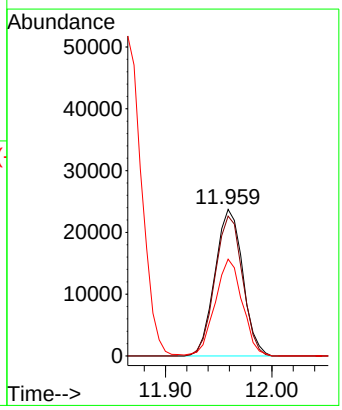
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

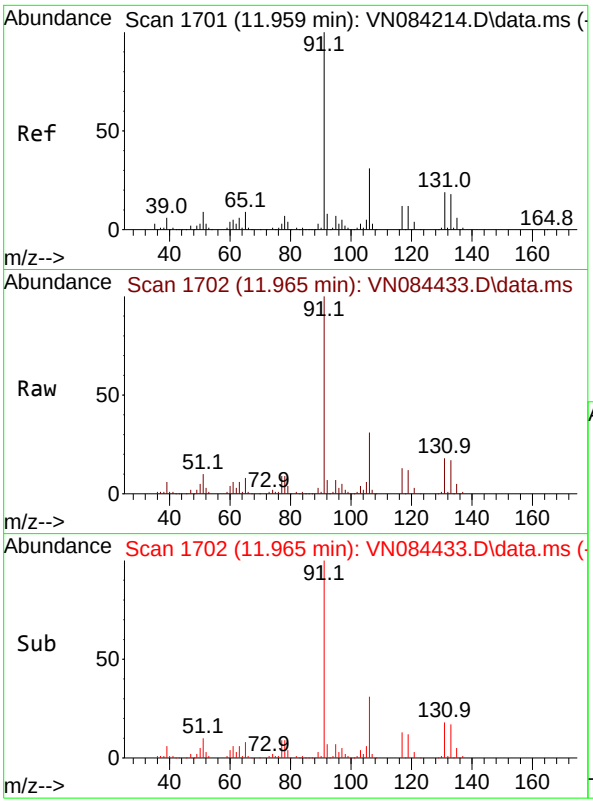


#66
1,1,1,2-Tetrachloroethane
Concen: 19.865 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:131 Resp: 43109

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.7
119	64.6	32.8	98.3

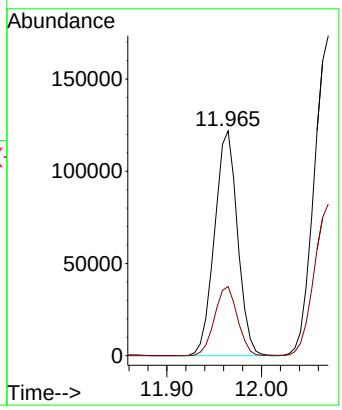




#67
Ethyl Benzene
Concen: 18.470 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 91 Resp: 20579

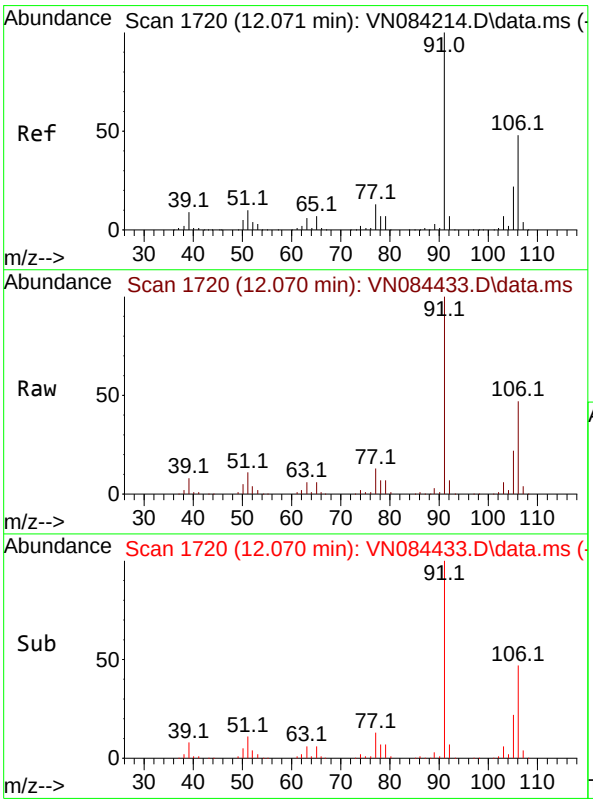
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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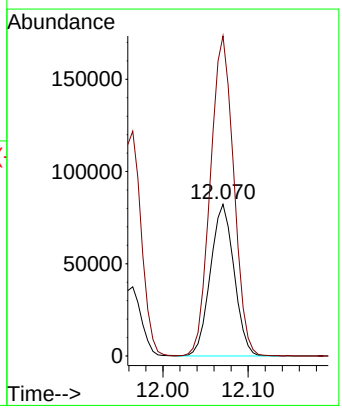
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

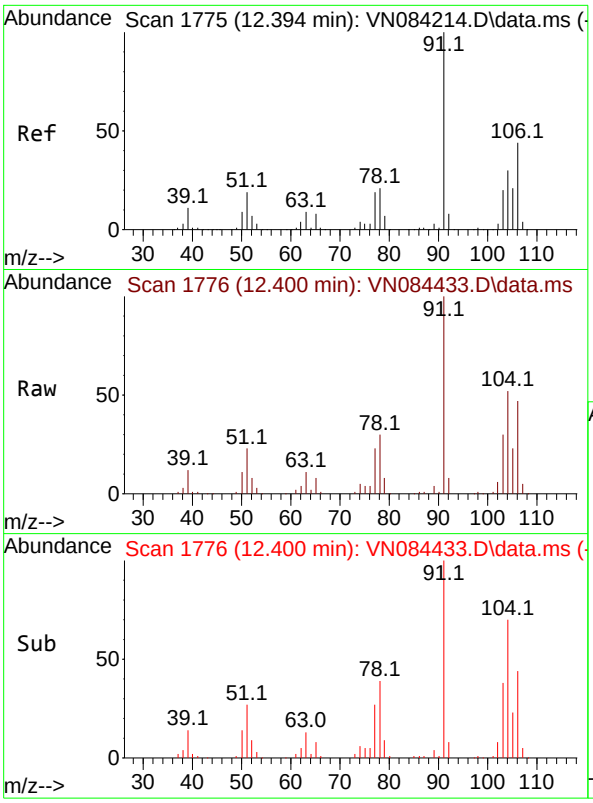


#68
m/p-Xylenes
Concen: 38.498 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:106 Resp: 158675

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7

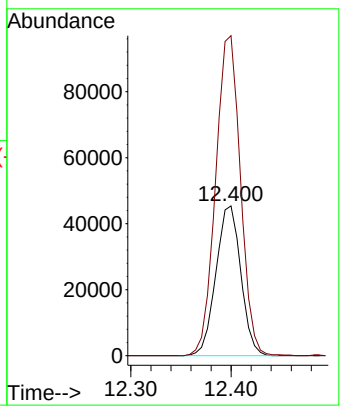




#69
o-Xylene
Concen: 20.049 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:106 Resp: 7818

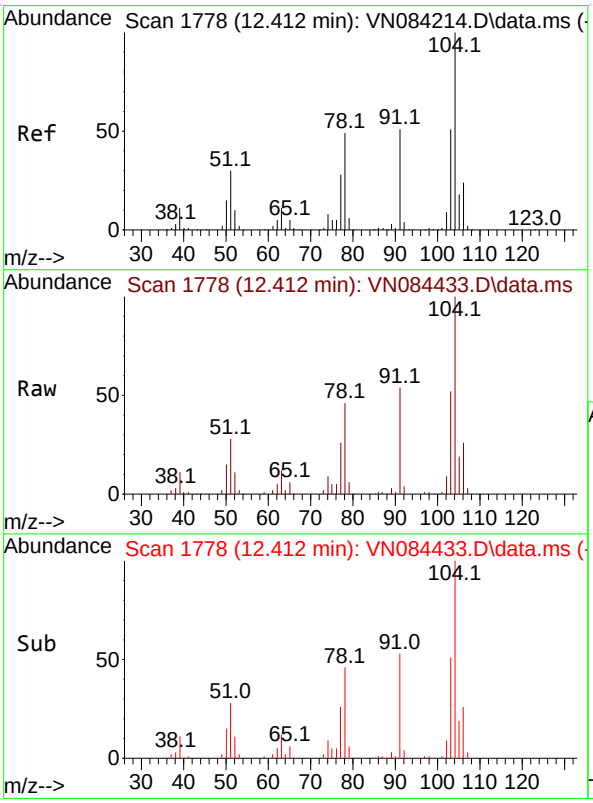
Ion	Ratio	Lower	Upper
106	100		
91	213.5	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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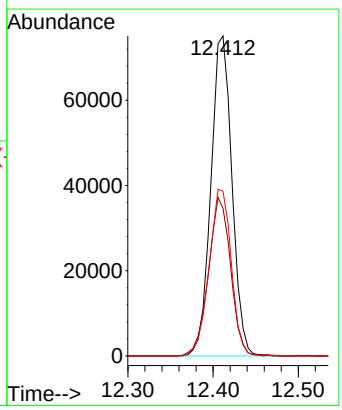
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

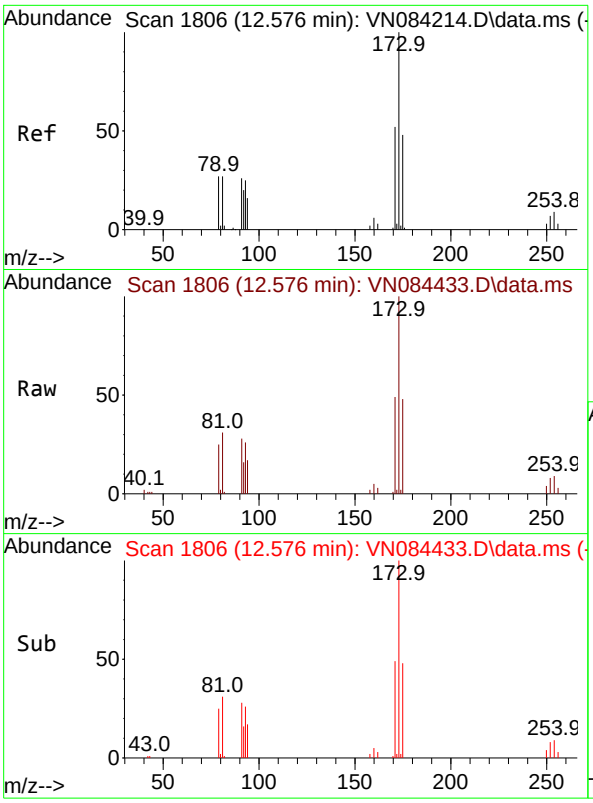


#70
Styrene
Concen: 19.541 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:104 Resp: 129069

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	55.0	43.6	65.4

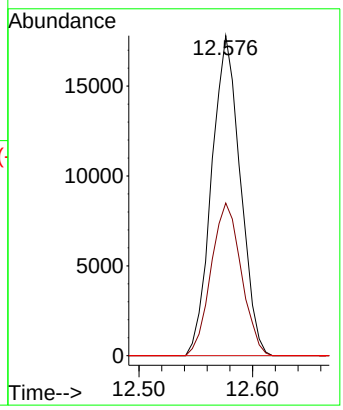




#71
Bromoform
Concen: 19.529 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:173 Resp: 3120

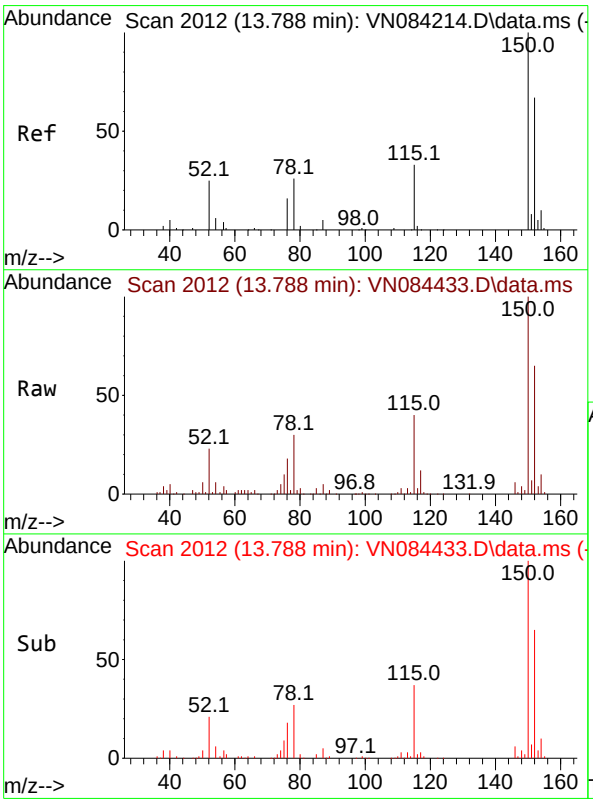
Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

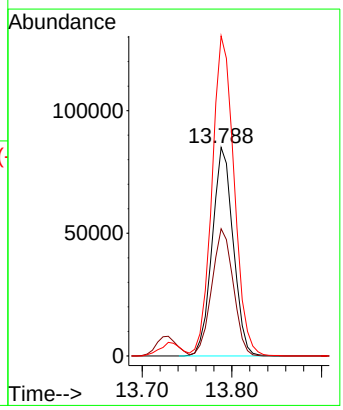
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

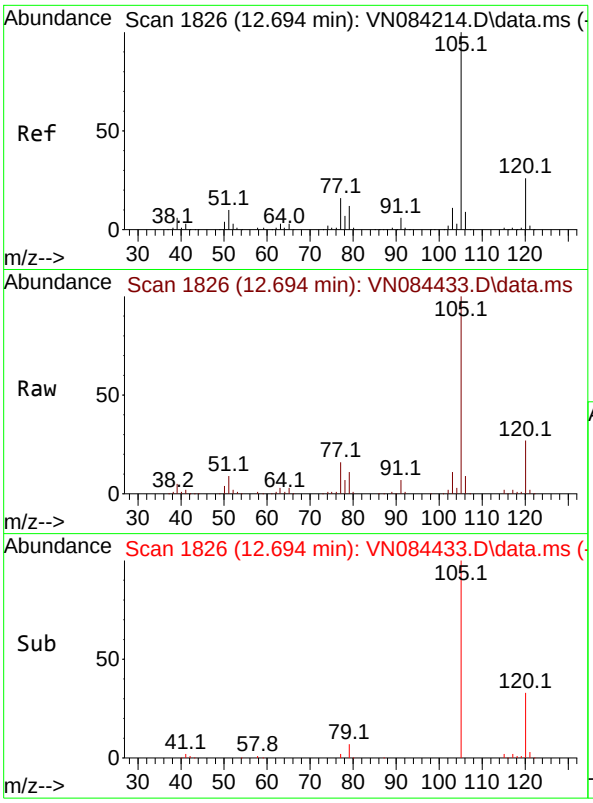


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:152 Resp: 138325

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	161.5	0.0	349.8





#73
Isopropylbenzene
Concen: 18.189 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

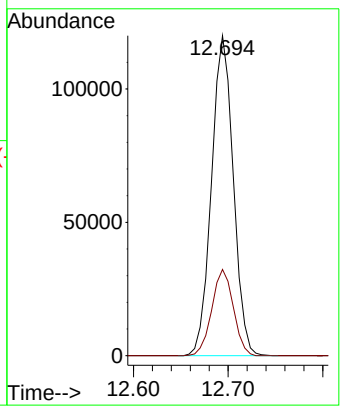
Tgt Ion:105 Resp: 19199

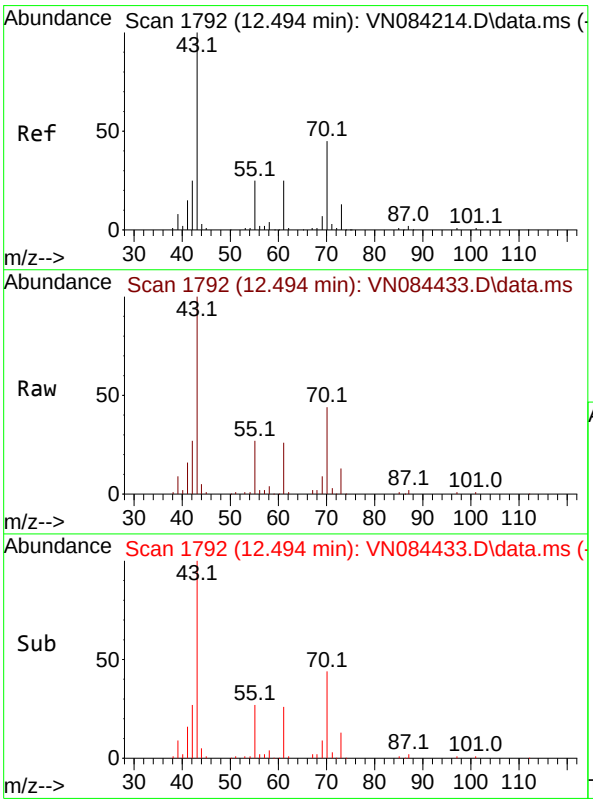
Ion	Ratio	Lower	Upper
105	100		
120	26.6	12.9	38.7

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

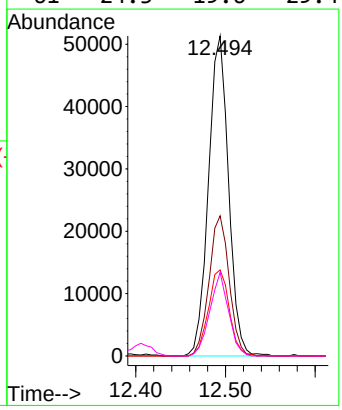


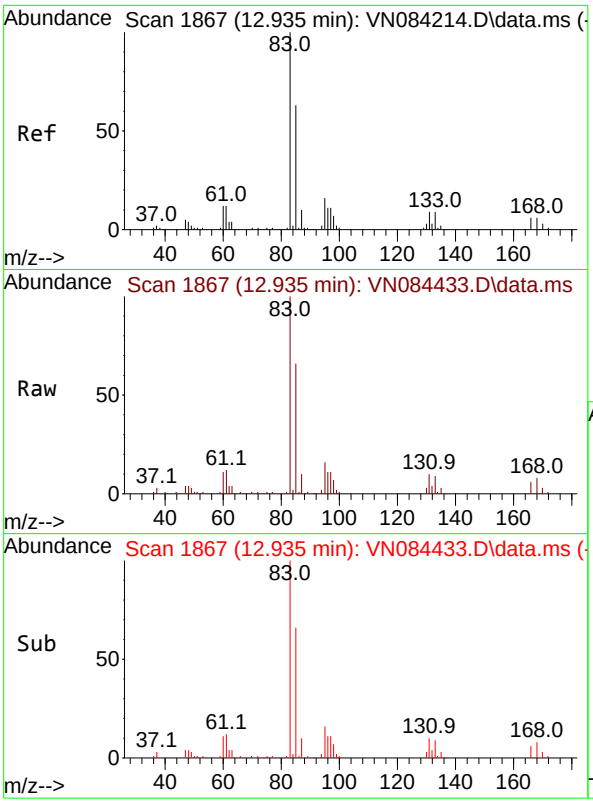


#74
N-amyl acetate
Concen: 16.664 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 79653

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.4	51.6
55	28.0	19.6	29.4
61	24.3	19.6	29.4

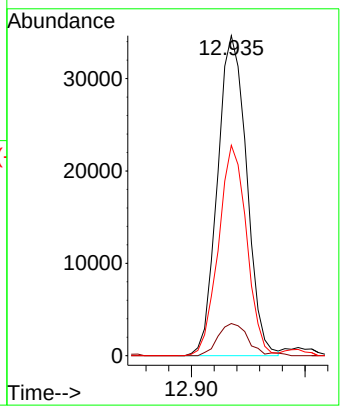




#75
1,1,2,2-Tetrachloroethane
Concen: 19.448 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 83 Resp: 6172

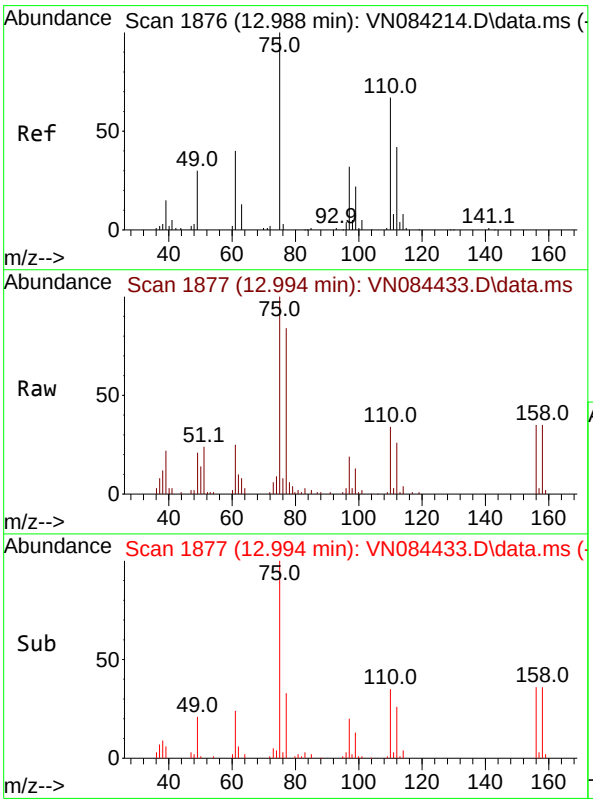
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	63.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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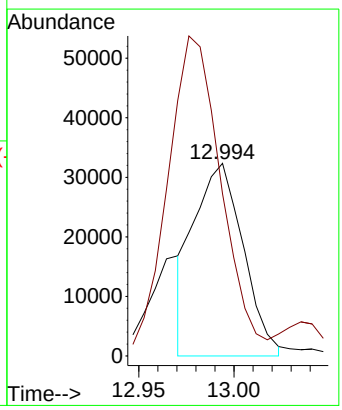
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

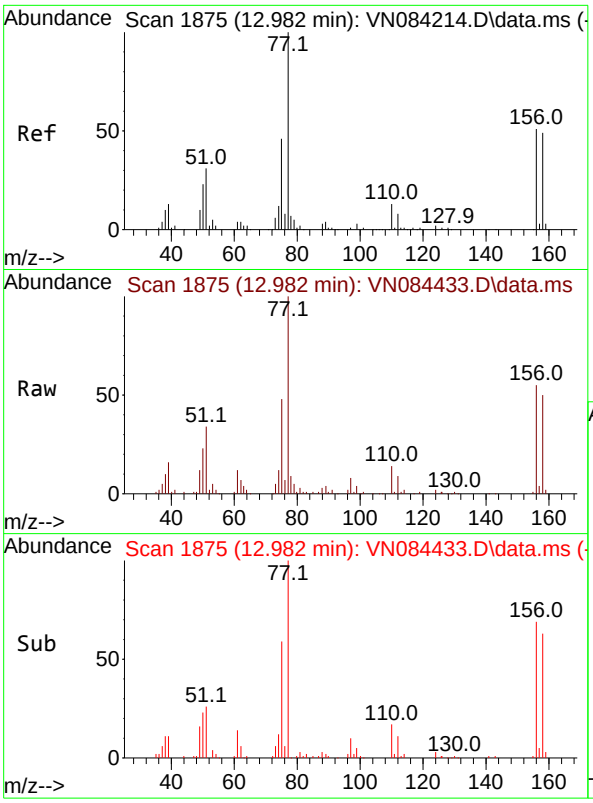


#76
1,2,3-Trichloropropane
Concen: 20.552 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 58038

Ion	Ratio	Lower	Upper
75	100		
77	182.3	96.9	290.7

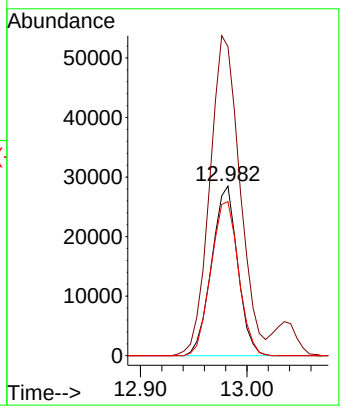




#77
Bromobenzene
Concen: 18.964 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:156 Resp: 4828

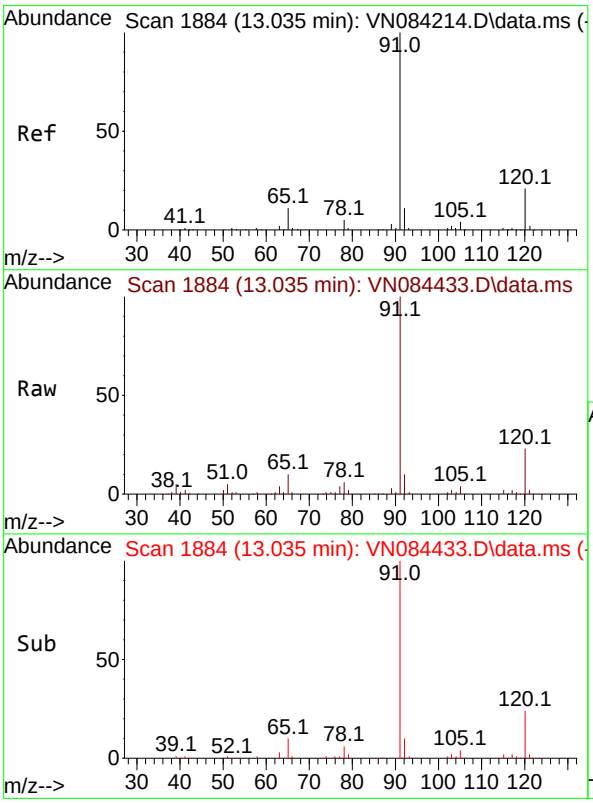
Ion	Ratio	Lower	Upper
156	100		
77	219.2	115.1	345.3
158	96.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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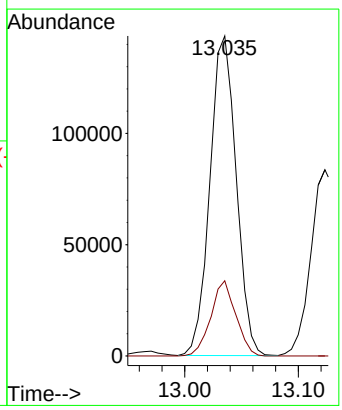
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

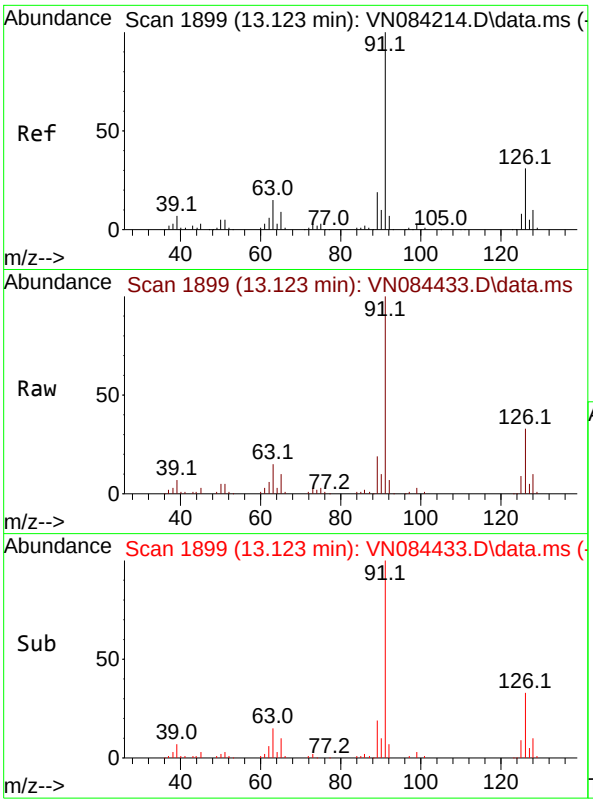


#78
n-propylbenzene
Concen: 18.903 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 91 Resp: 231176

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4





#79
2-Chlorotoluene
Concen: 18.674 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

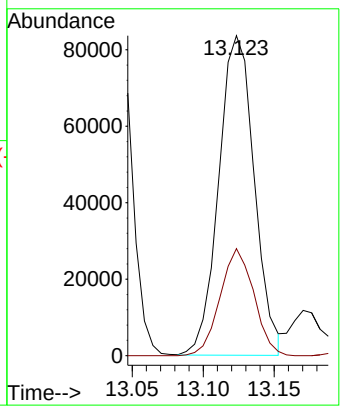
Tgt Ion: 91 Resp: 14573

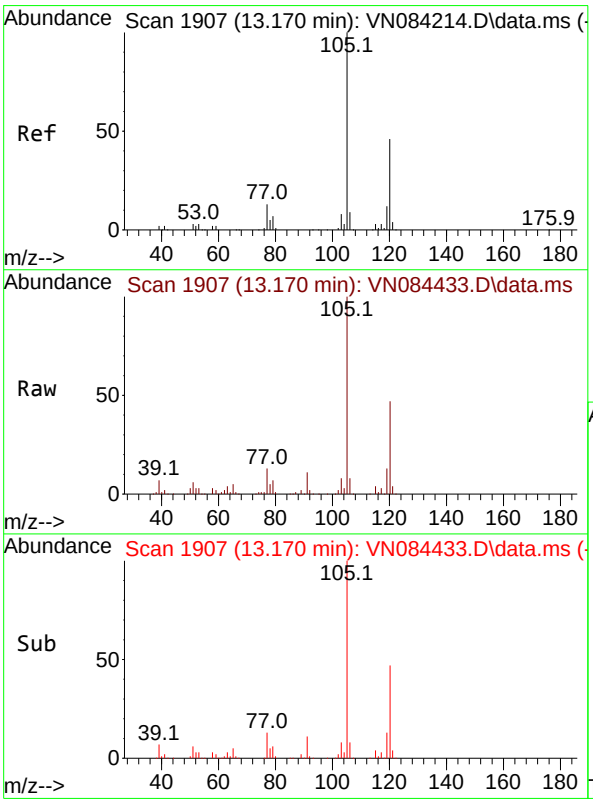
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

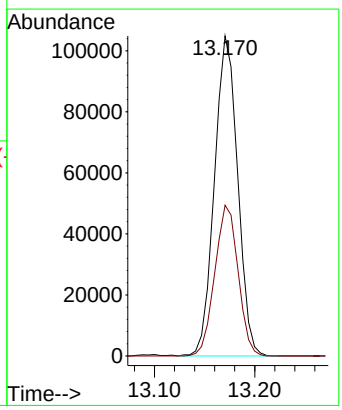


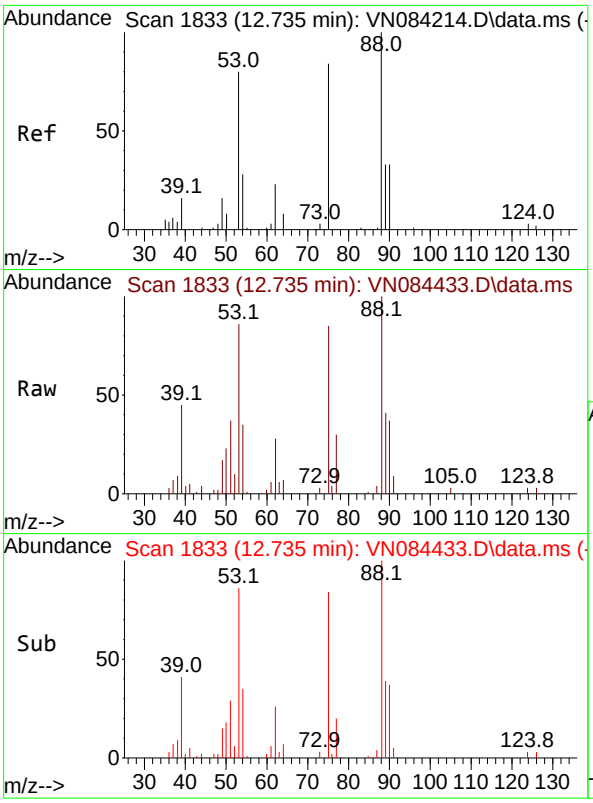


#80
1,3,5-Trimethylbenzene
Concen: 19.550 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:105 Resp: 168330

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 16.940 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

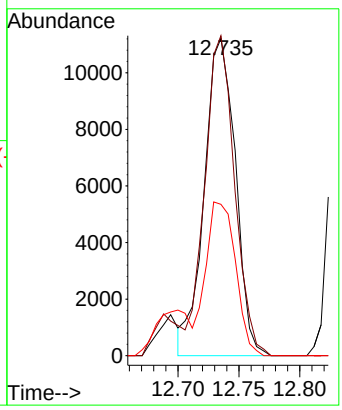
Tgt Ion: 75 Resp: 1995

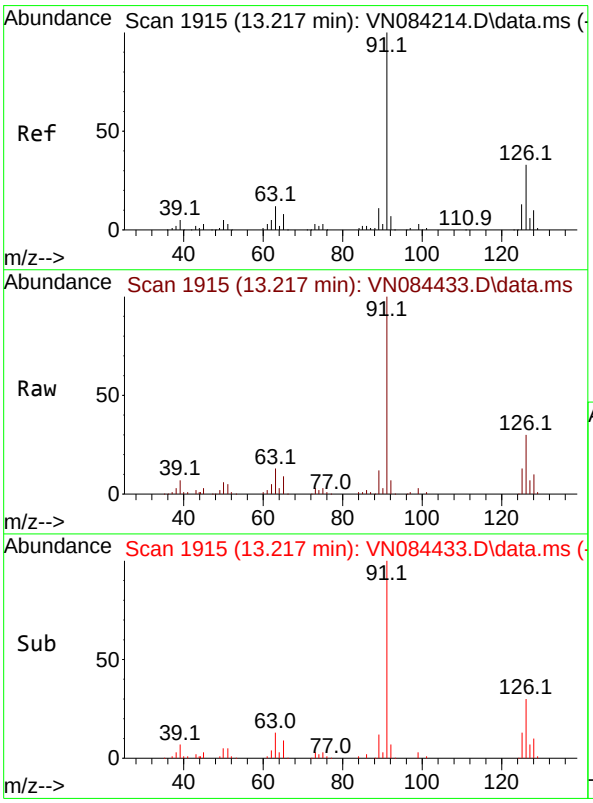
Ion	Ratio	Lower	Upper
75	100		
53	96.1	78.0	117.0
89	46.4	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

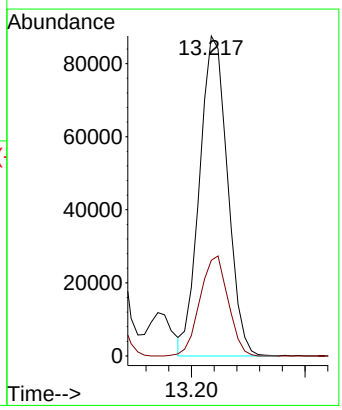


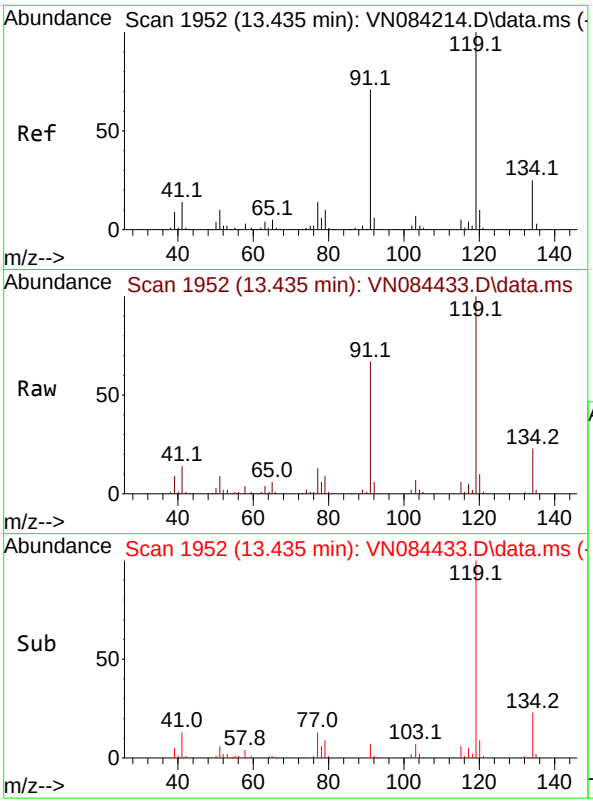


#82
4-Chlorotoluene
Concen: 19.064 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 91 Resp: 149766

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

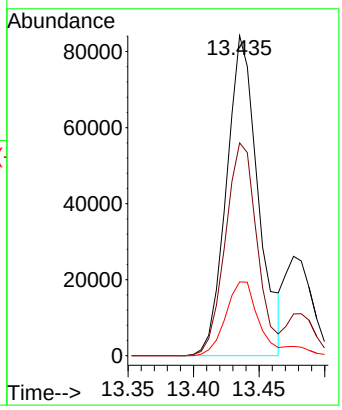




#83
tert-Butylbenzene
Concen: 18.459 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:119 Resp: 14126

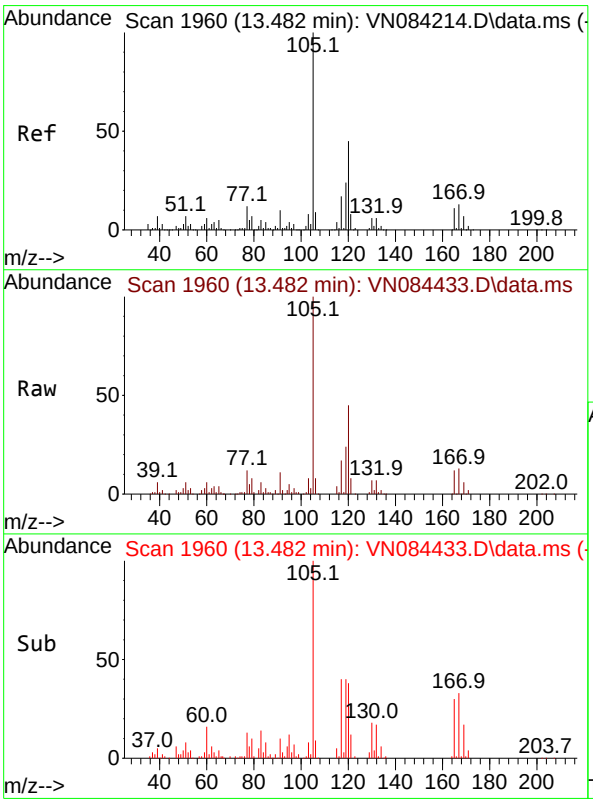
Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.8	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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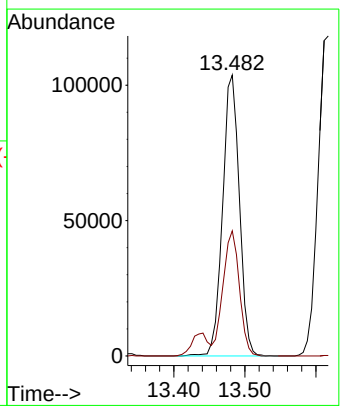
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

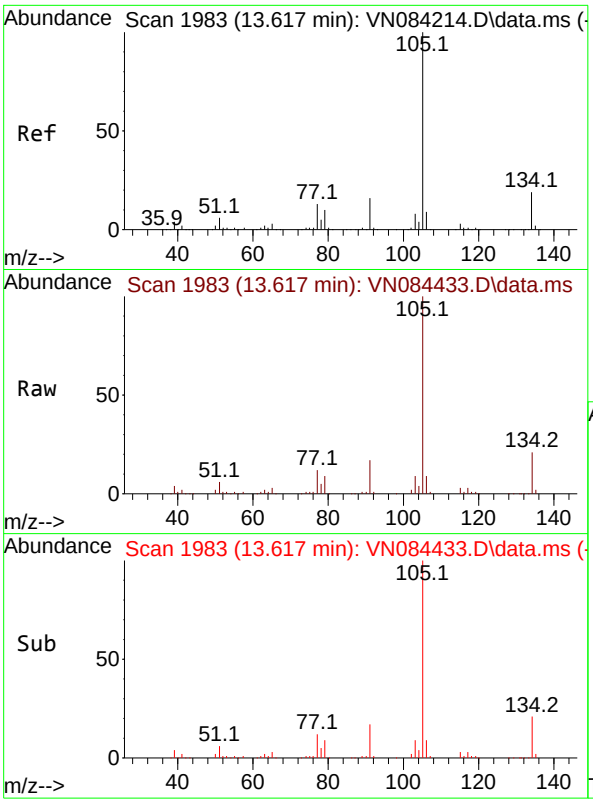


#84
1,2,4-Trimethylbenzene
Concen: 19.547 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:105 Resp: 169548

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

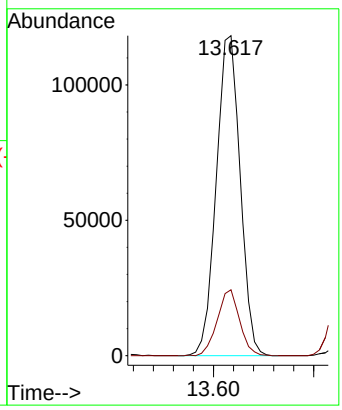




#85
sec-Butylbenzene
Concen: 19.133 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:105 Resp: 19538

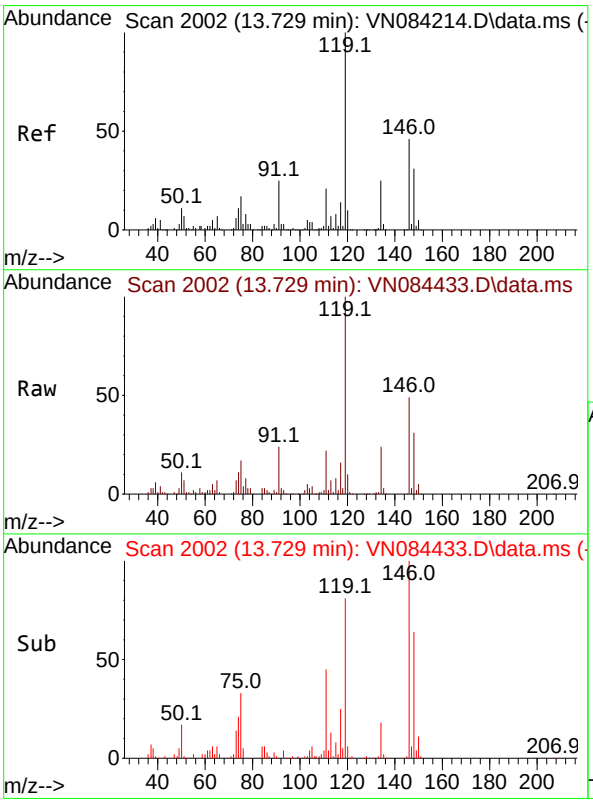
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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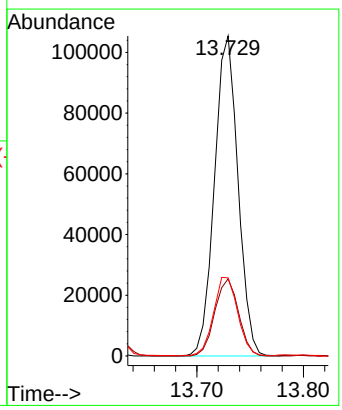
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

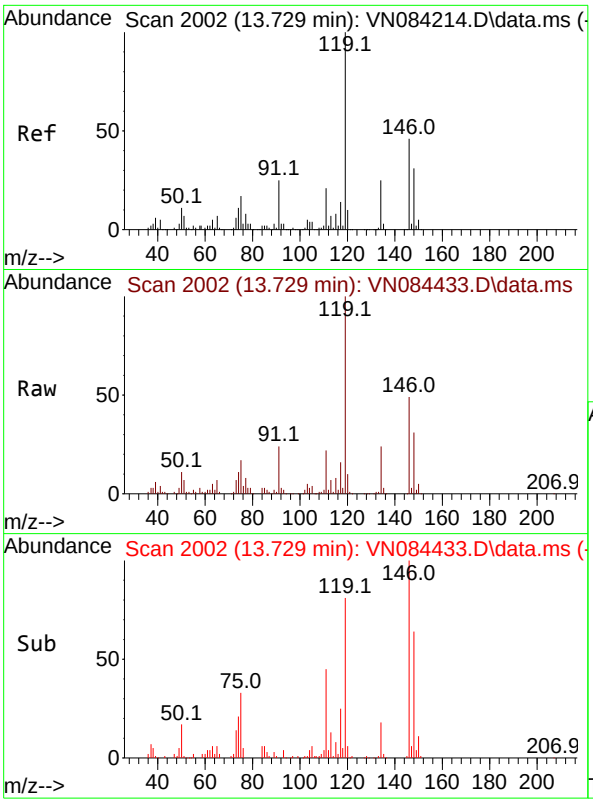


#86
p-Isopropyltoluene
Concen: 19.125 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:119 Resp: 161505

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	25.3	12.4	37.2

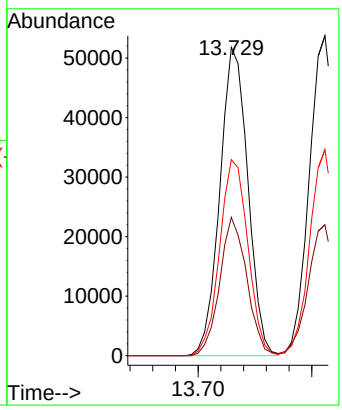




#87
1,3-Dichlorobenzene
Concen: 18.569 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:146 Resp: 8869

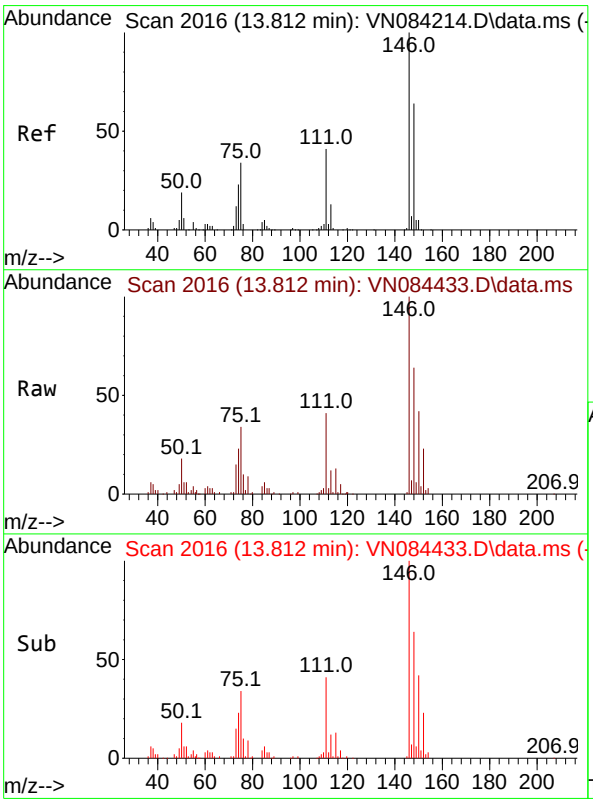
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	64.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
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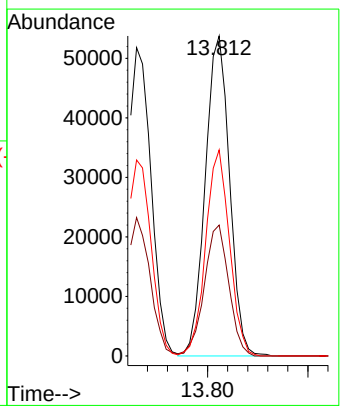
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

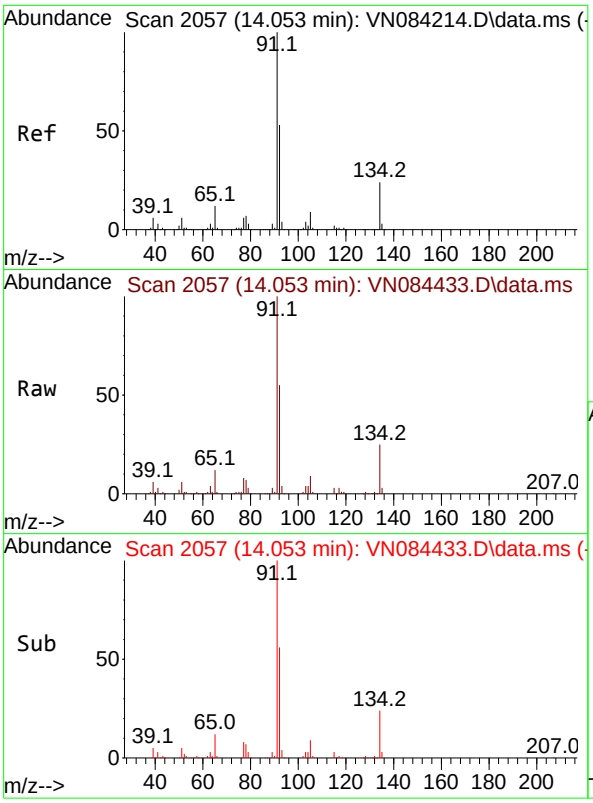


#88
1,4-Dichlorobenzene
Concen: 18.784 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:146 Resp: 90608

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.2	63.6
148	63.1	31.9	95.9

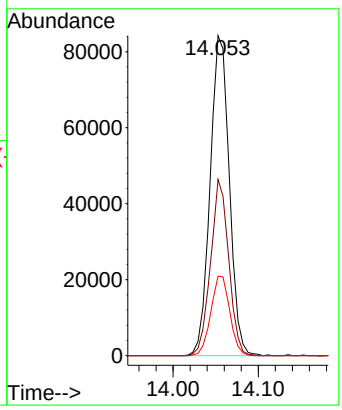




#89
n-Butylbenzene
Concen: 17.250 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 91 Resp: 13208

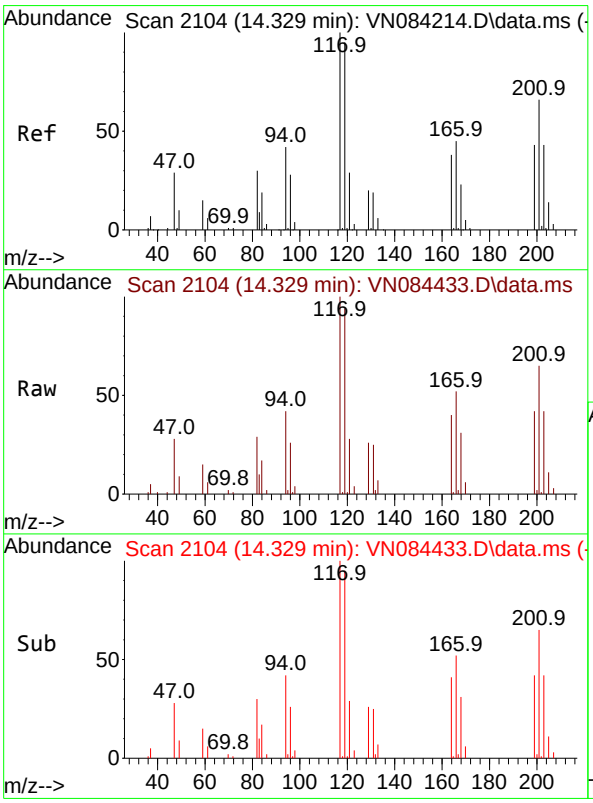
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

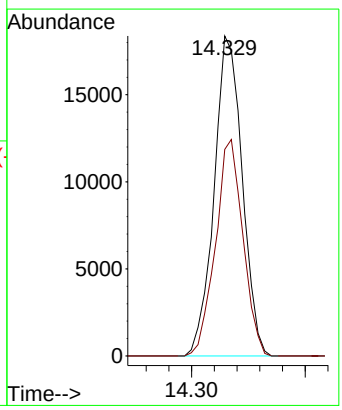
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

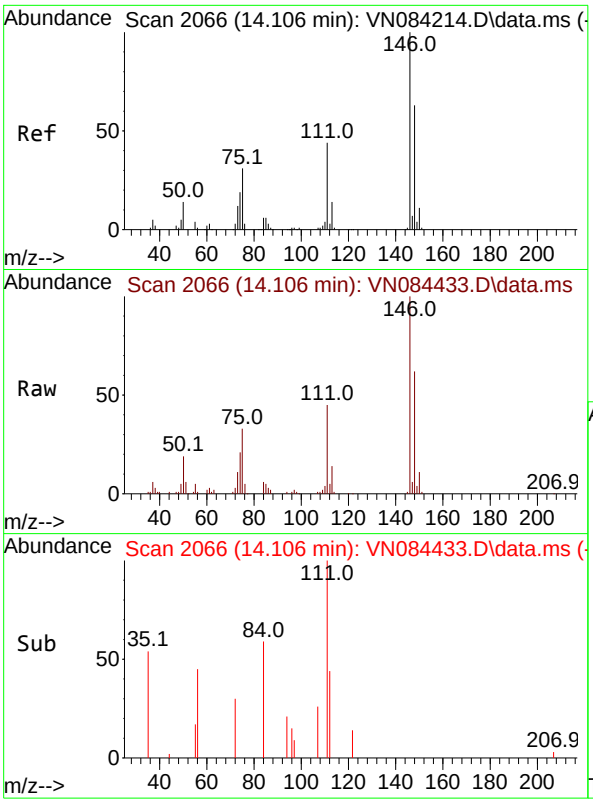


#90
Hexachloroethane
Concen: 18.419 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:117 Resp: 31571

Ion	Ratio	Lower	Upper
117	100		
201	66.1	34.4	103.2

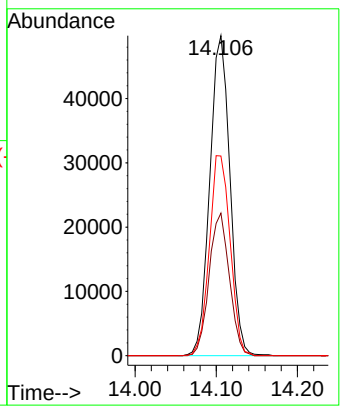




#91
1,2-Dichlorobenzene
Concen: 18.319 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:146 Resp: 8579

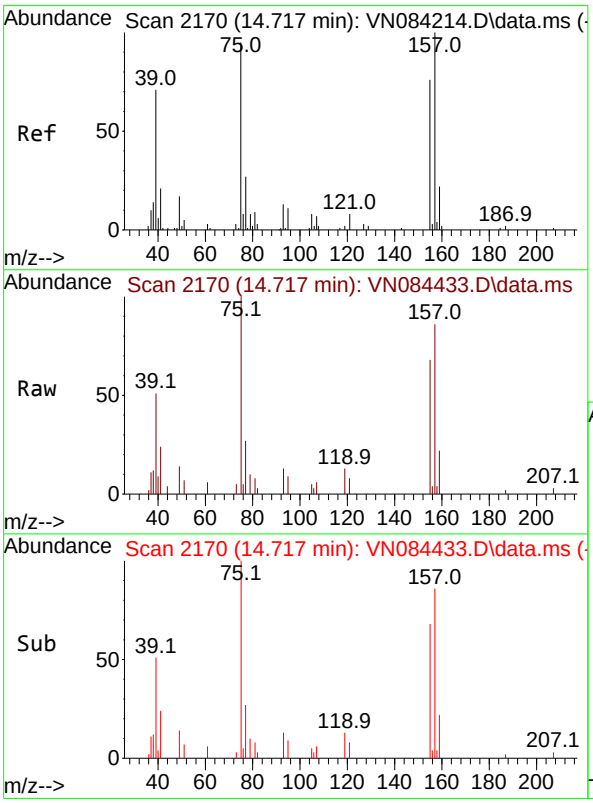
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.0	66.0
148	64.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

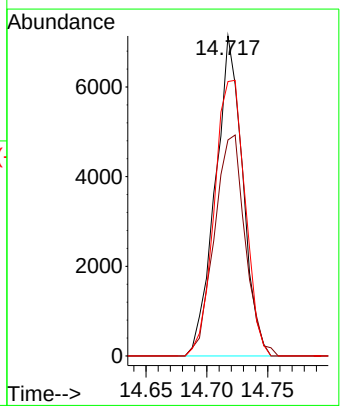
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

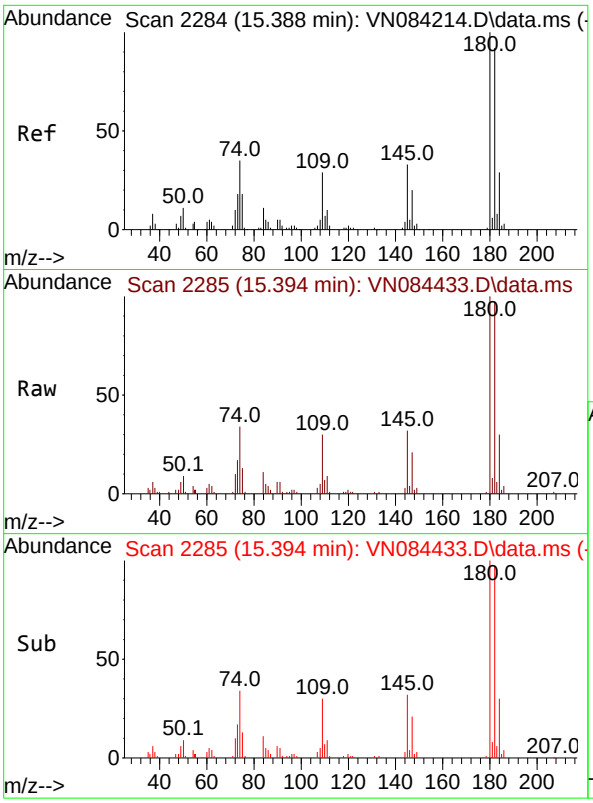


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.065 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 11177

Ion	Ratio	Lower	Upper
75	100		
155	77.7	38.1	114.5
157	96.7	49.6	149.0

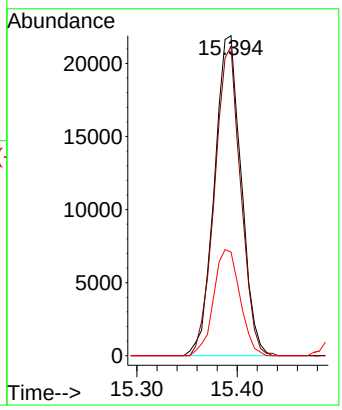




#93
1,2,4-Trichlorobenzene
Concen: 17.567 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:180 Resp: 4052

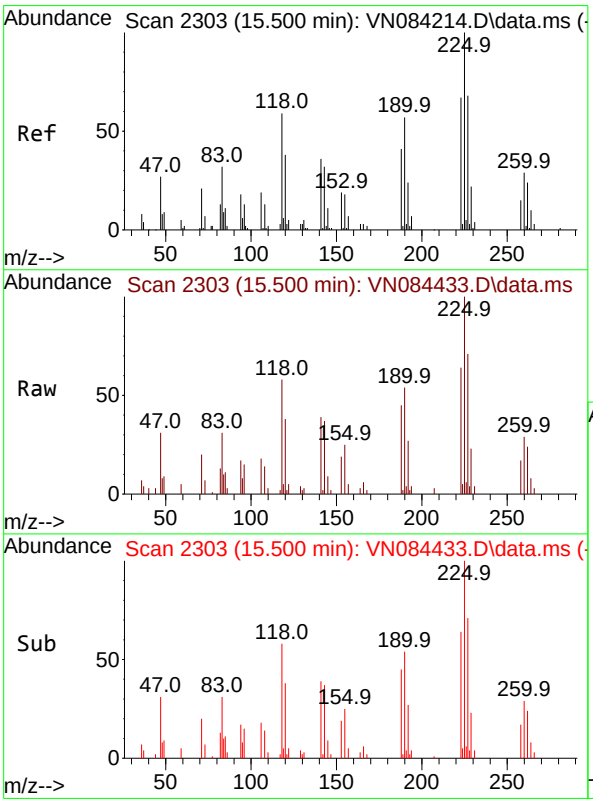
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.8	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

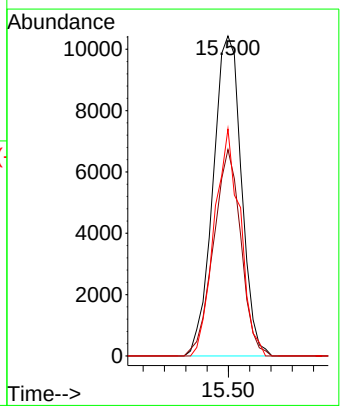
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

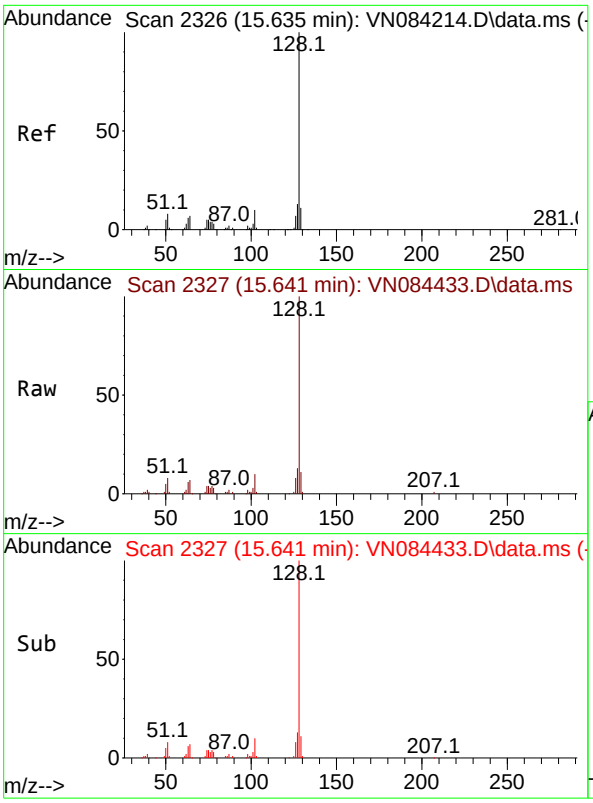


#94
Hexachlorobutadiene
Concen: 16.751 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:225 Resp: 19271

Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.4	97.2
227	64.9	32.4	97.0

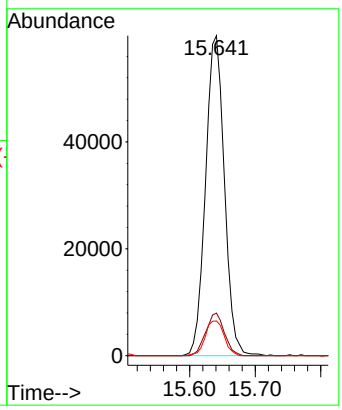




#95
Naphthalene
Concen: 15.638 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:128 Resp: 11959

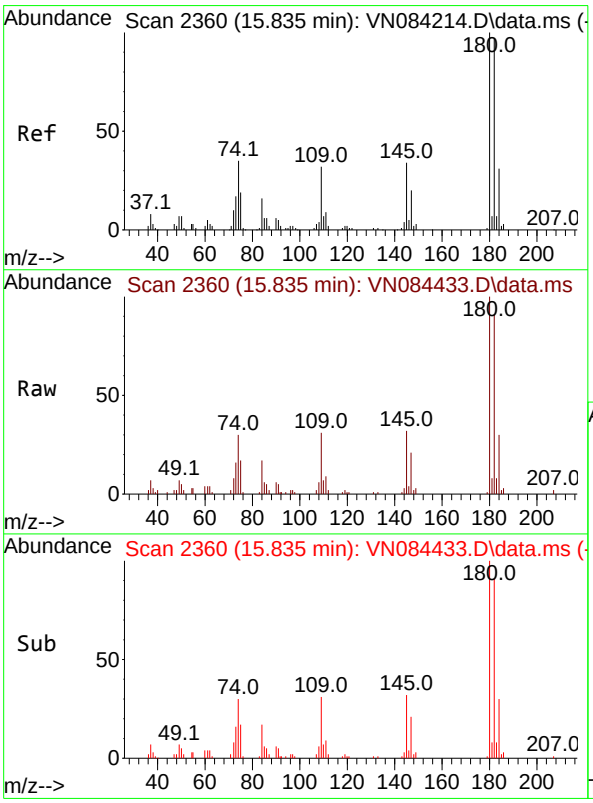
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations
APPROVED

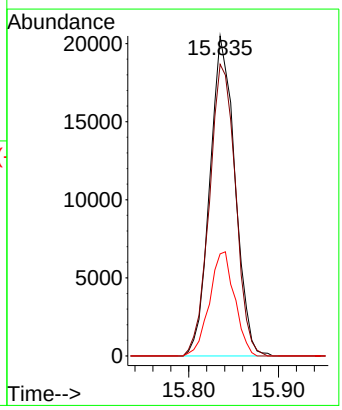
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.247 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:180 Resp: 39826

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	32.6	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:	VN1021WBSD01	SDG No.:	P4438
Lab Sample ID:	VN1021WBSD01	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
VN084434.D	1		10/21/24 14:22	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	0.75	1.00	ug/L
67-64-1	Acetone	91.6		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.5		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	96.8		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.3		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		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	100		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:	VN1021WBSD01		SDG No.:	P4438	
Lab Sample ID:	VN1021WBSD01		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
VN084434.D	1		10/21/24 14:22	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.8		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		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	18.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.8		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	279000	9.1				
3114-55-4	Chlorobenzene-d5	256000	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\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 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

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123457	51.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	8.165	113	97003	52.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.565	98	350013	51.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	129081	52.449	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32472	16.833	ug/l	93
3) Chloromethane	2.359	50	35804	16.255	ug/l	98
4) Vinyl Chloride	2.512	62	36441	17.080	ug/l	99
5) Bromomethane	2.959	94	23913	16.992	ug/l	99
6) Chloroethane	3.118	64	24475	16.017	ug/l	96
7) Trichlorofluoromethane	3.501	101	63283	19.047	ug/l	90
8) Diethyl Ether	3.959	74	23522	19.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	36689	19.273	ug/l	98
10) Methyl Iodide	4.589	142	44167	18.016	ug/l	99
11) Tert butyl alcohol	5.518	59	35053	87.914	ug/l	97
12) 1,1-Dichloroethene	4.342	96	32588	17.747	ug/l	96
13) Acrolein	4.189	56	24397	53.300	ug/l	98
14) Allyl chloride	5.024	41	53083	16.646	ug/l	99
15) Acrylonitrile	5.718	53	102471	101.771	ug/l	97
16) Acetone	4.430	43	95163	91.613	ug/l	94
17) Carbon Disulfide	4.712	76	84276	14.496	ug/l	96
18) Methyl Acetate	5.030	43	54347	24.005	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	122872	19.826	ug/l	98
20) Methylene Chloride	5.271	84	42636	20.192	ug/l	84
21) trans-1,2-Dichloroethene	5.783	96	35388	18.395	ug/l	95
22) Diisopropyl ether	6.671	45	130999	19.859	ug/l	99
23) Vinyl Acetate	6.606	43	504977	103.215	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72128	19.553	ug/l	96
25) 2-Butanone	7.483	43	136944	96.795	ug/l	97
26) 2,2-Dichloropropane	7.489	77	64755	19.469	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	44686	19.222	ug/l	98
28) Bromochloromethane	7.812	49	35788	21.744	ug/l	99
29) Tetrahydrofuran	7.841	42	85661	98.113	ug/l	97
30) Chloroform	7.965	83	76845	20.055	ug/l	97
31) Cyclohexane	8.253	56	58106	16.223	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68247	19.832	ug/l	96
36) 1,1-Dichloropropene	8.371	75	49846	18.689	ug/l	99
37) Ethyl Acetate	7.559	43	52425	19.160	ug/l	99
38) Carbon Tetrachloride	8.359	117	56628	19.356	ug/l	96
39) Methylcyclohexane	9.600	83	50490	17.009	ug/l	98
40) Benzene	8.606	78	162968	19.612	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 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

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29826	20.079	ug/l		97
42) 1,2-Dichloroethane	8.671	62	58026	20.598	ug/l		99
43) Isopropyl Acetate	8.688	43	88049	16.429	ug/l		97
44) Trichloroethene	9.353	130	37926	19.541	ug/l		97
45) 1,2-Dichloropropane	9.624	63	41049	20.882	ug/l		96
46) Dibromomethane	9.712	93	29187	22.002	ug/l		99
47) Bromodichloromethane	9.888	83	61715	20.940	ug/l		98
48) Methyl methacrylate	9.682	41	40695	19.075	ug/l		97
49) 1,4-Dioxane	9.694	88	16333	415.845	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	271816	104.354	ug/l		99
52) Toluene	10.629	92	102809	20.289	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	59188	19.701	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	64640	20.003	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	40810	22.465	ug/l		96
56) Ethyl methacrylate	10.871	69	59539	19.919	ug/l		98
57) 1,3-Dichloropropane	11.165	76	68931	21.236	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	141699	102.191	ug/l		97
59) 2-Hexanone	11.194	43	198917	102.176	ug/l		99
60) Dibromochloromethane	11.359	129	46724	21.769	ug/l		98
61) 1,2-Dibromoethane	11.471	107	39150	20.741	ug/l		100
64) Tetrachloroethene	11.106	164	34348	19.288	ug/l		94
65) Chlorobenzene	11.888	112	110738	19.535	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39189	20.071	ug/l		99
67) Ethyl Benzene	11.965	91	184057	18.360	ug/l		99
68) m/p-Xylenes	12.071	106	144045	38.843	ug/l		98
69) o-Xylene	12.400	106	66105	18.841	ug/l		93
70) Styrene	12.412	104	117753	19.814	ug/l		99
71) Bromoform	12.576	173	29825	20.747	ug/l	#	99
73) Isopropylbenzene	12.694	105	173820	18.352	ug/l		99
74) N-amyl acetate	12.494	43	73994	17.252	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58745	20.627	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	55231m	21.797	ug/l		
77) Bromobenzene	12.976	156	44718	19.574	ug/l		95
78) n-propylbenzene	13.035	91	210981	19.226	ug/l		100
79) 2-Chlorotoluene	13.123	91	129620	18.511	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	148466	19.217	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18939	17.919	ug/l		99
82) 4-Chlorotoluene	13.218	91	135329	19.198	ug/l		97
83) tert-Butylbenzene	13.435	119	126785	18.464	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	153677	19.745	ug/l		98
85) sec-Butylbenzene	13.618	105	175585	19.162	ug/l		100
86) p-Isopropyltoluene	13.729	119	145633	19.220	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	82553	19.262	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	83788	19.359	ug/l		98
89) n-Butylbenzene	14.059	91	122012	17.758	ug/l		99
90) Hexachloroethane	14.329	117	27657	17.982	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	78881	18.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10881	18.515	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	38616	18.655	ug/l		99
94) Hexachlorobutadiene	15.506	225	17729	17.175	ug/l		99
95) Naphthalene	15.641	128	115061	16.767	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	37660	18.175	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 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

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

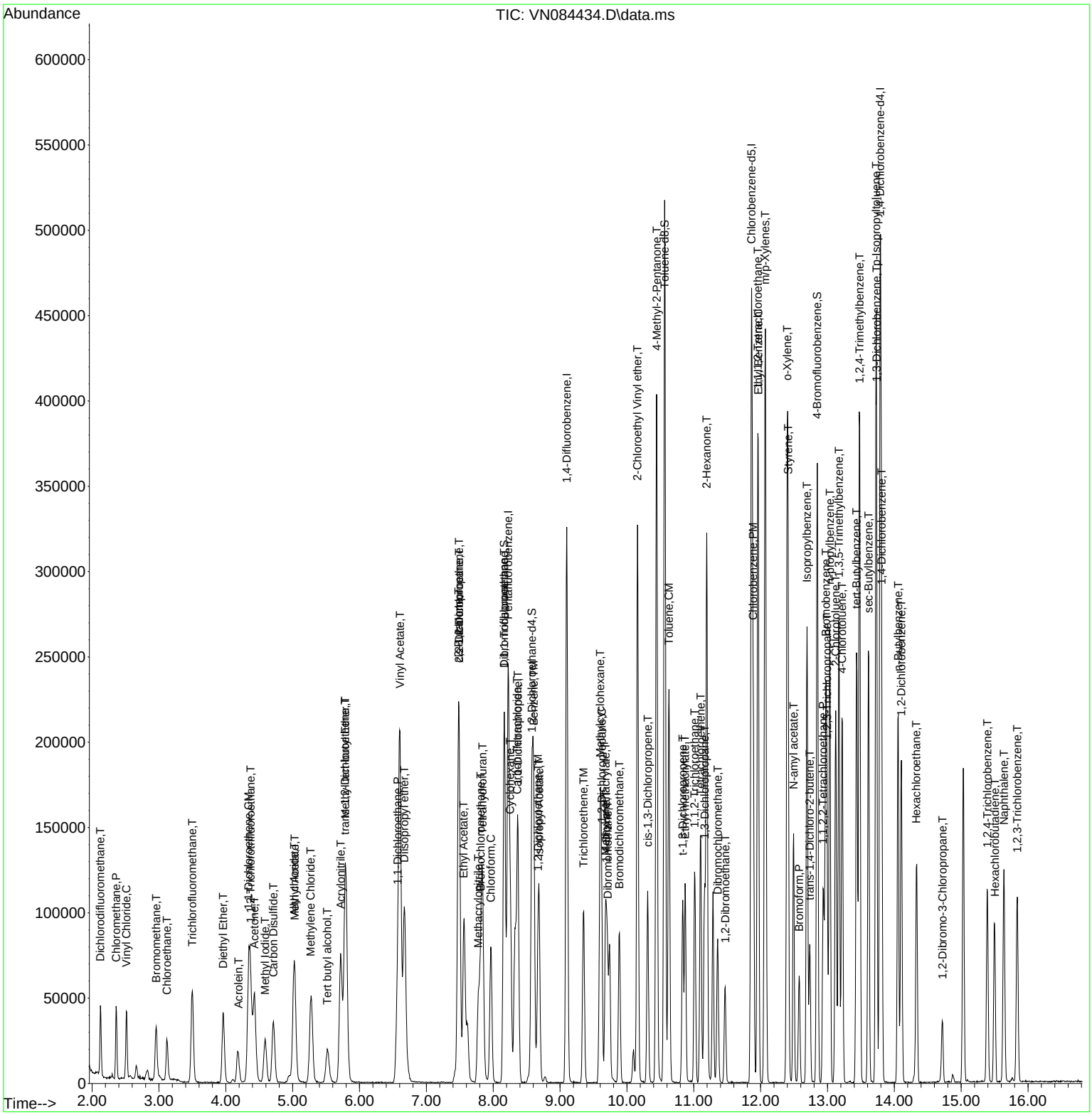
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Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

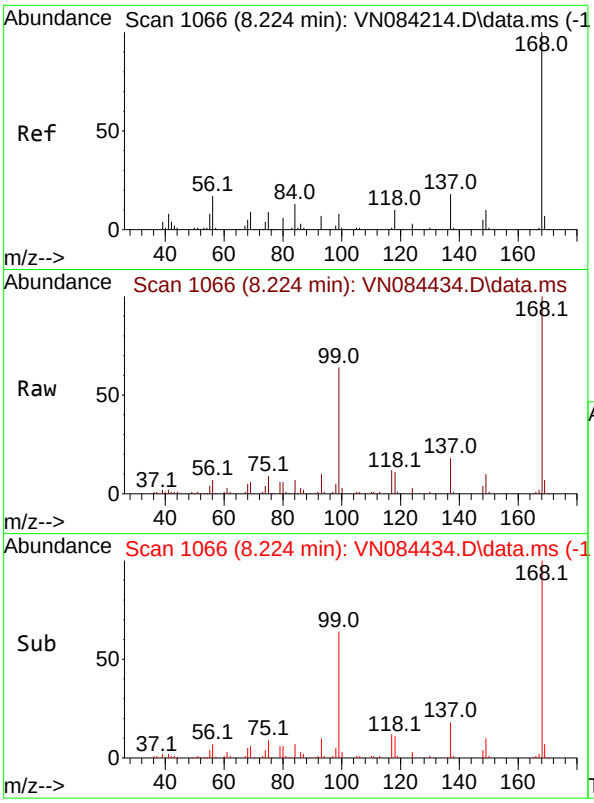
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Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
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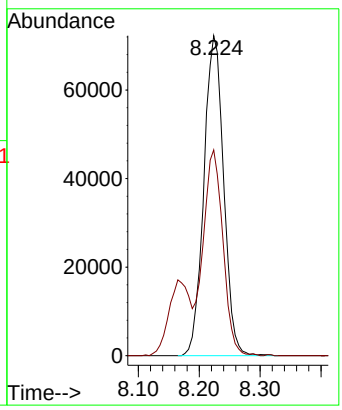




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:168 Resp: 16308

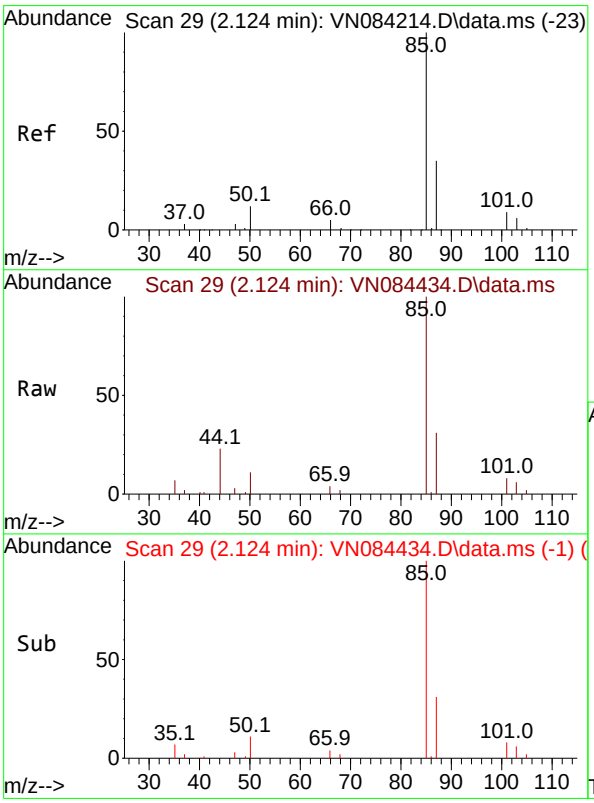
Ion	Ratio	Lower	Upper
168	100		
99	64.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

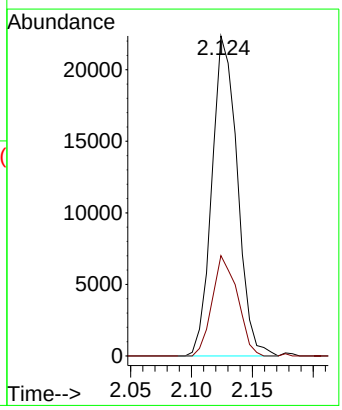
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

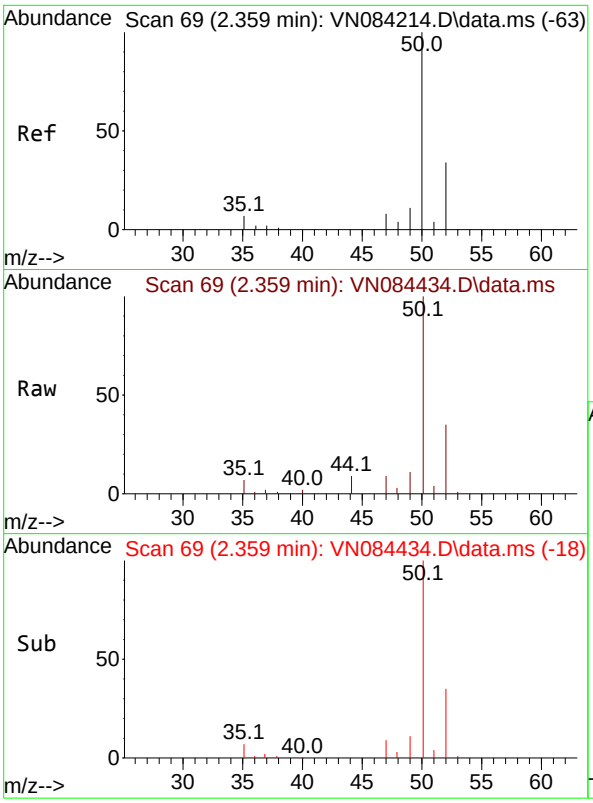


#2
Dichlorodifluoromethane
Concen: 16.833 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 85 Resp: 32472

Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.6	52.9

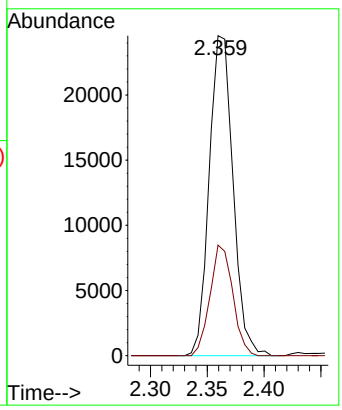




#3
Chloromethane
Concen: 16.255 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 50 Resp: 3580

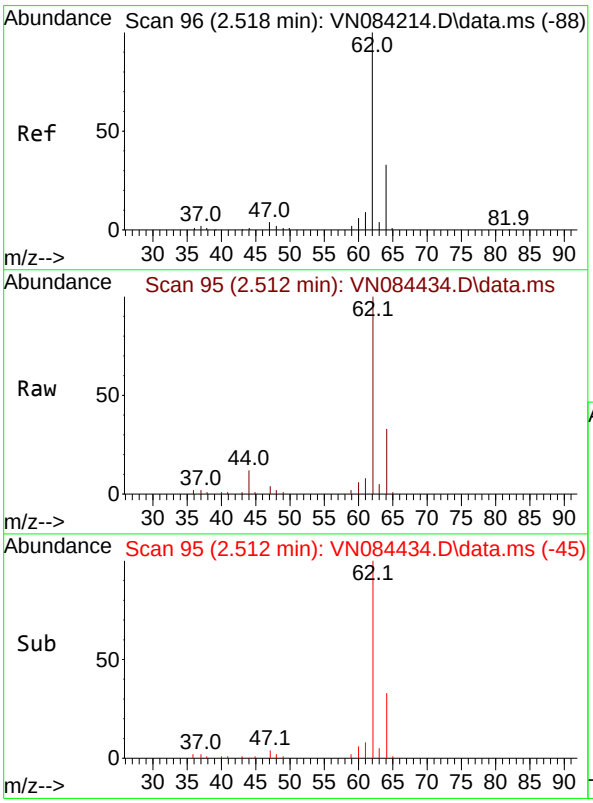
Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

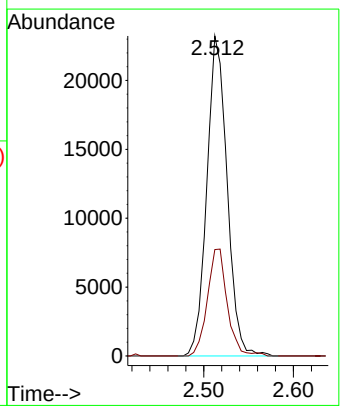
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

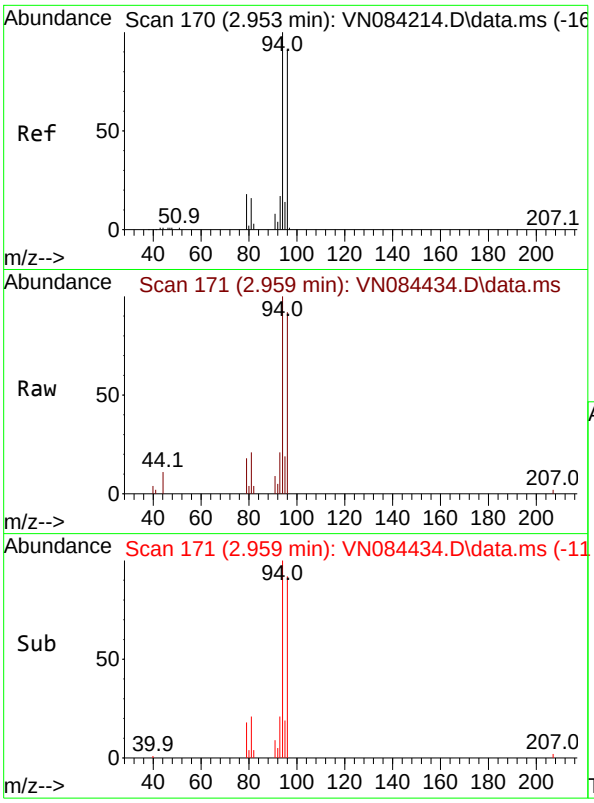


#4
Vinyl Chloride
Concen: 17.080 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 62 Resp: 36441

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.2	39.4

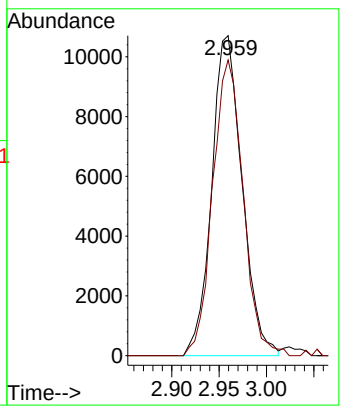




#5
Bromomethane
Concen: 16.992 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 94 Resp: 2391

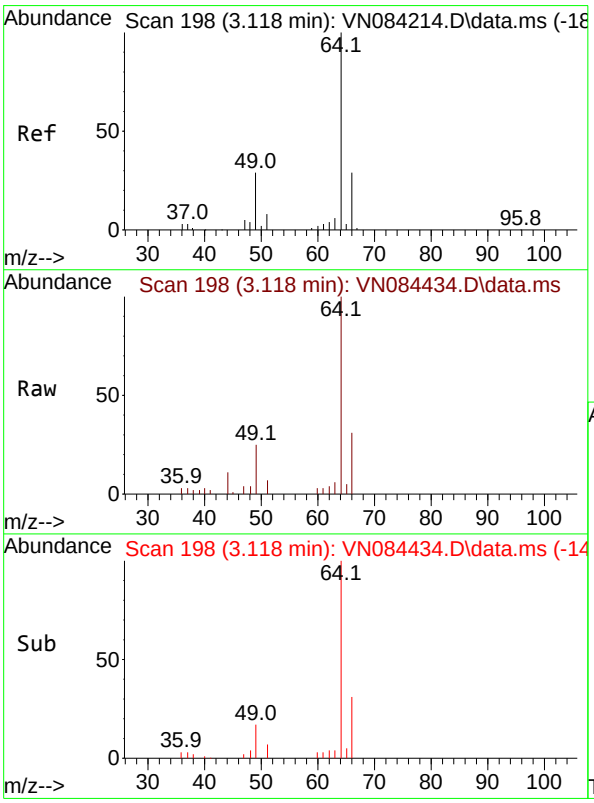
Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

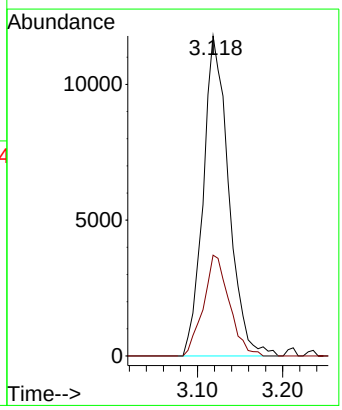
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

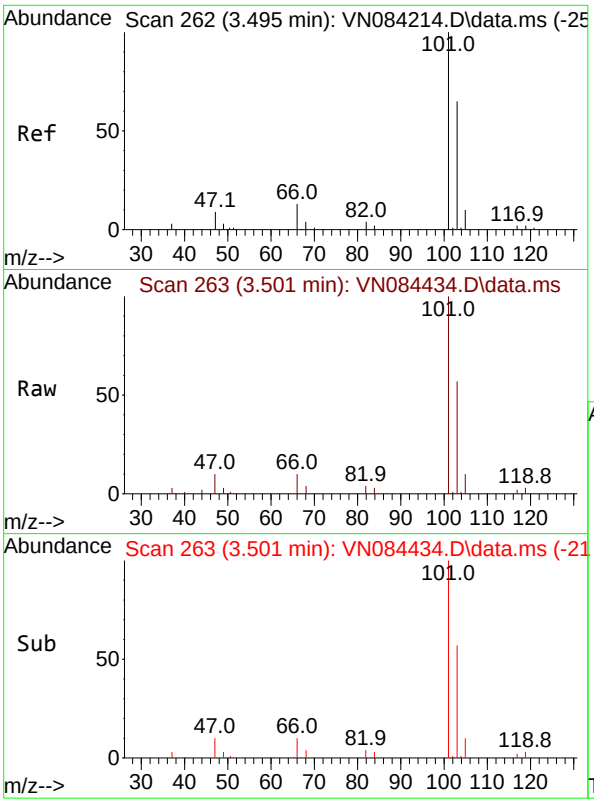


#6
Chloroethane
Concen: 16.017 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 64 Resp: 24475

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3

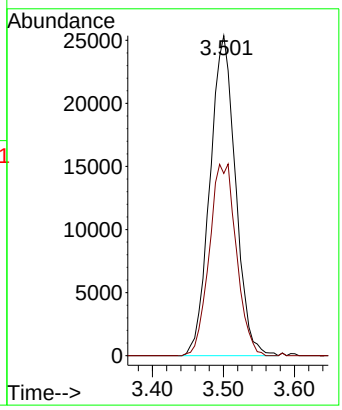




#7
Trichlorofluoromethane
Concen: 19.047 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:101 Resp: 6328

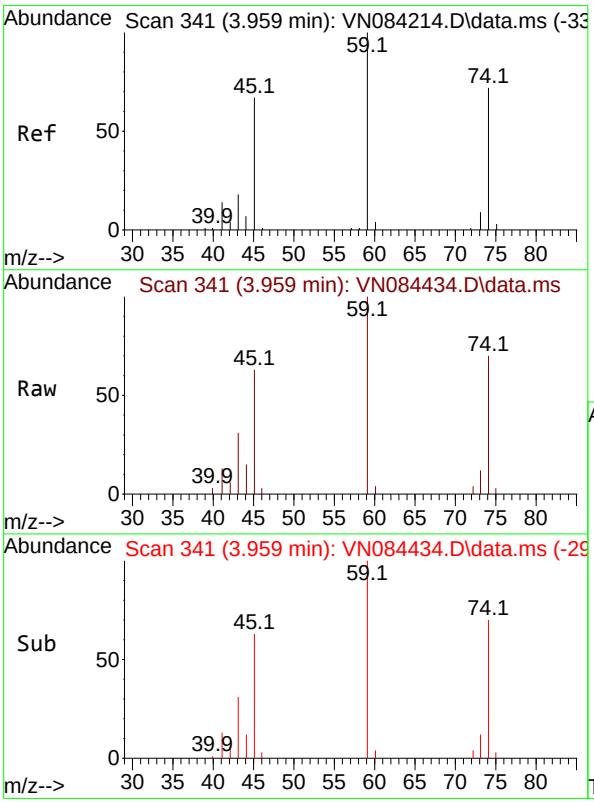
Ion	Ratio	Lower	Upper
101	100		
103	57.0	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

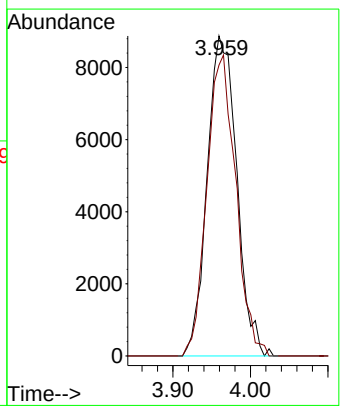
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

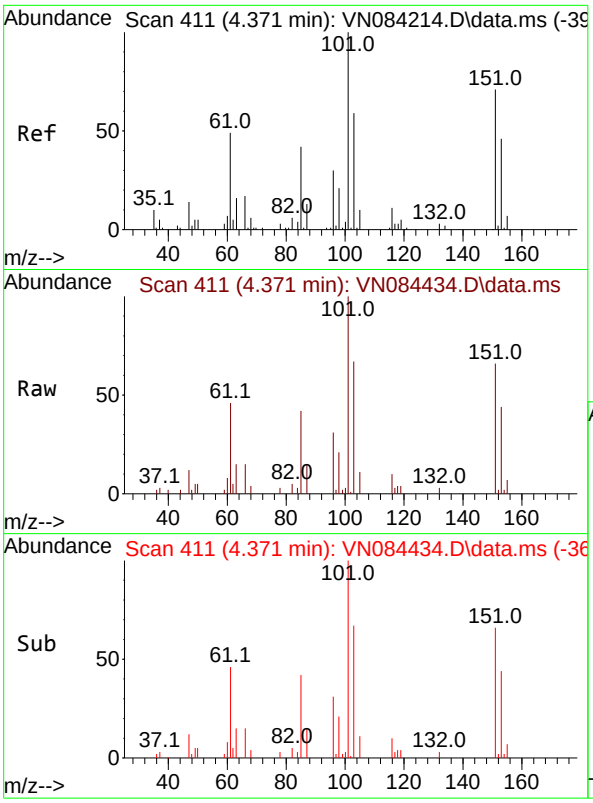


#8
Diethyl Ether
Concen: 19.089 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 74 Resp: 23522

Ion	Ratio	Lower	Upper
74	100		
45	92.1	47.7	143.1

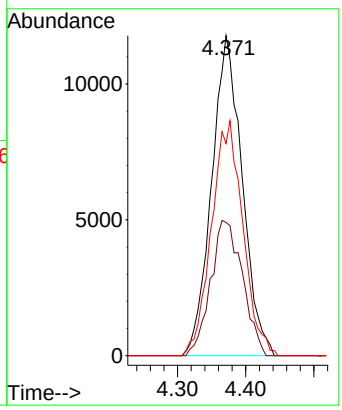




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.273 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:101 Resp: 3668

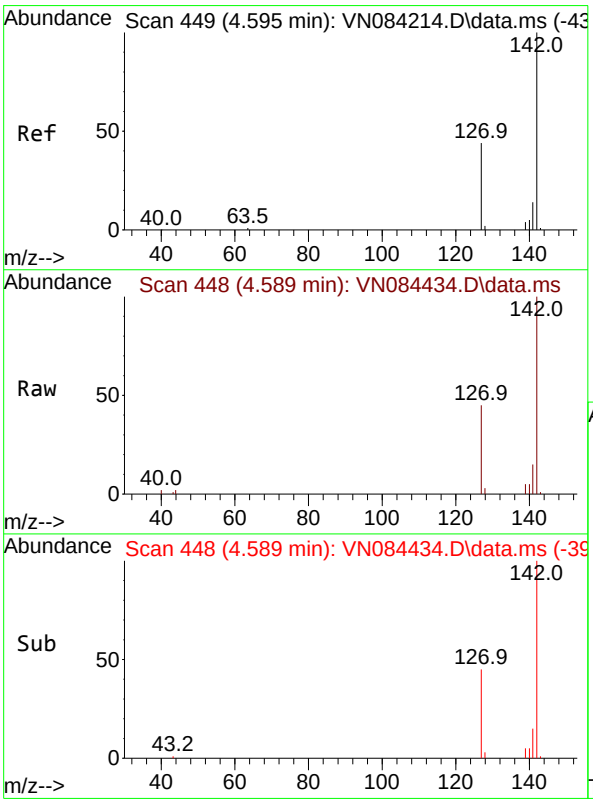
Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.2	54.4
151	75.4	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

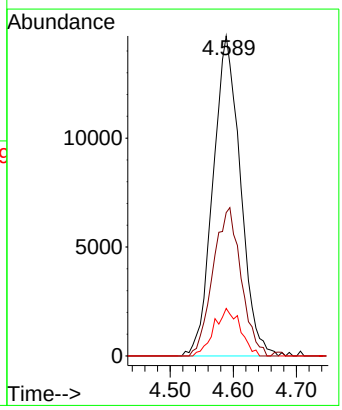
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

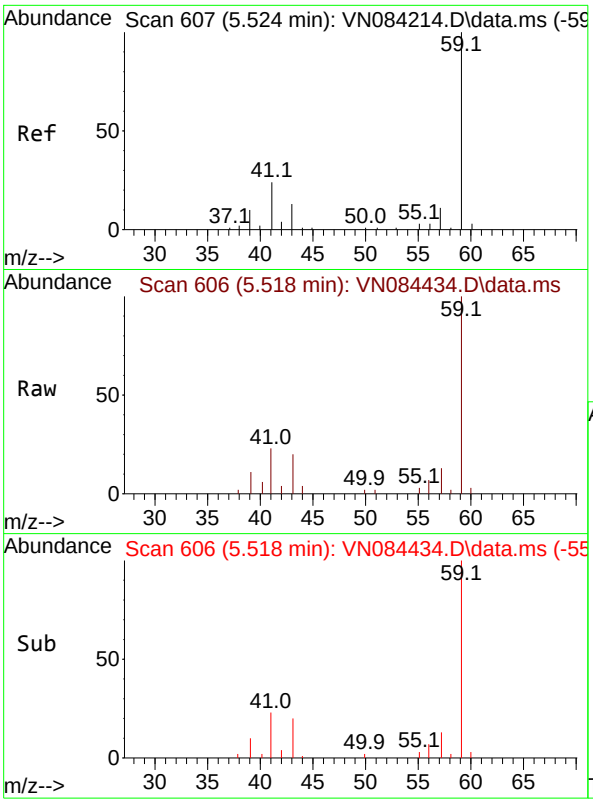


#10
Methyl Iodide
Concen: 18.016 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:142 Resp: 44167

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.3	52.9
141	14.8	11.0	16.6

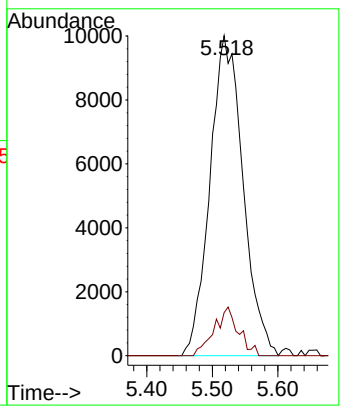




#11
Tert butyl alcohol
Concen: 87.914 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 59 Resp: 3505

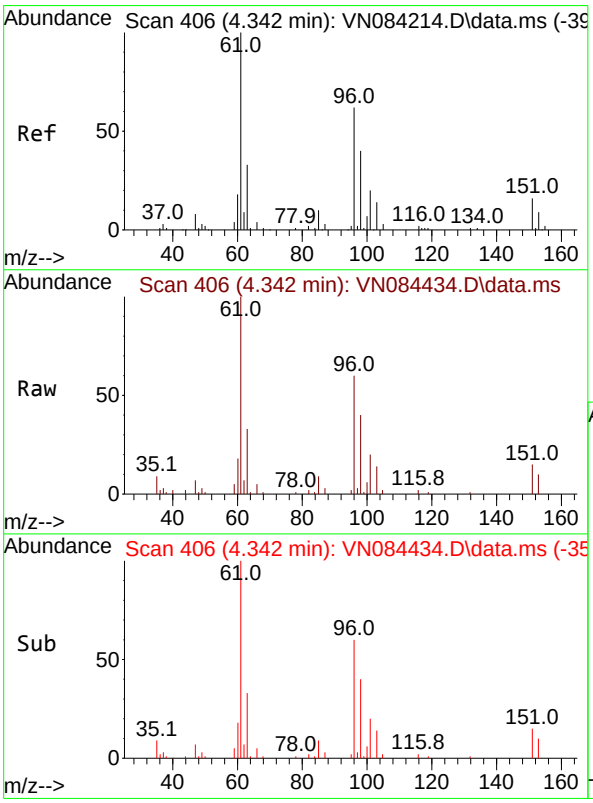
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

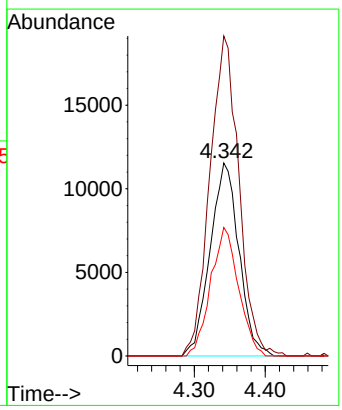
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

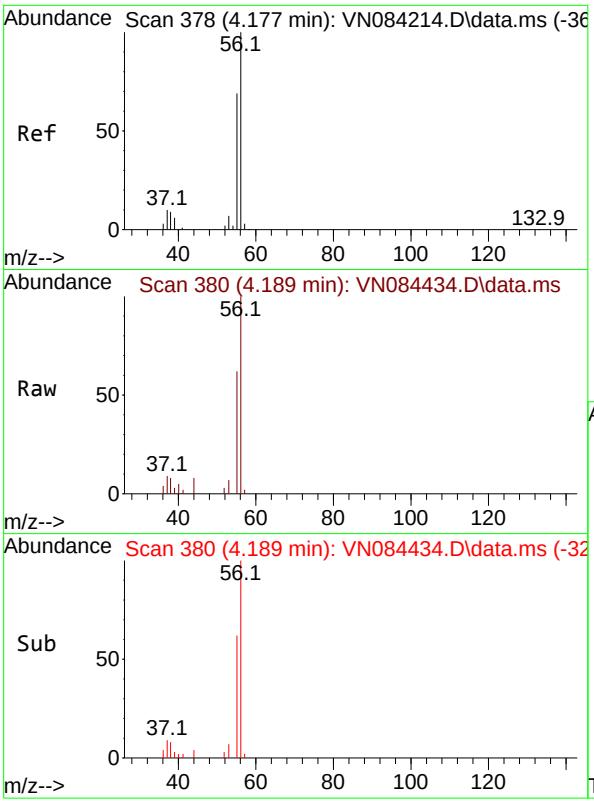


#12
1,1-Dichloroethene
Concen: 17.747 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 96 Resp: 32588

Ion	Ratio	Lower	Upper
96	100		
61	165.9	128.6	192.8
98	66.6	51.7	77.5

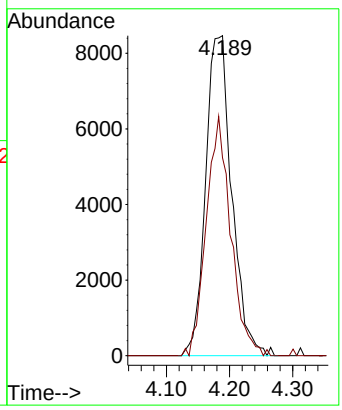




#13
Acrolein
Concen: 53.300 ug/l
RT: 4.189 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 56 Resp: 2439

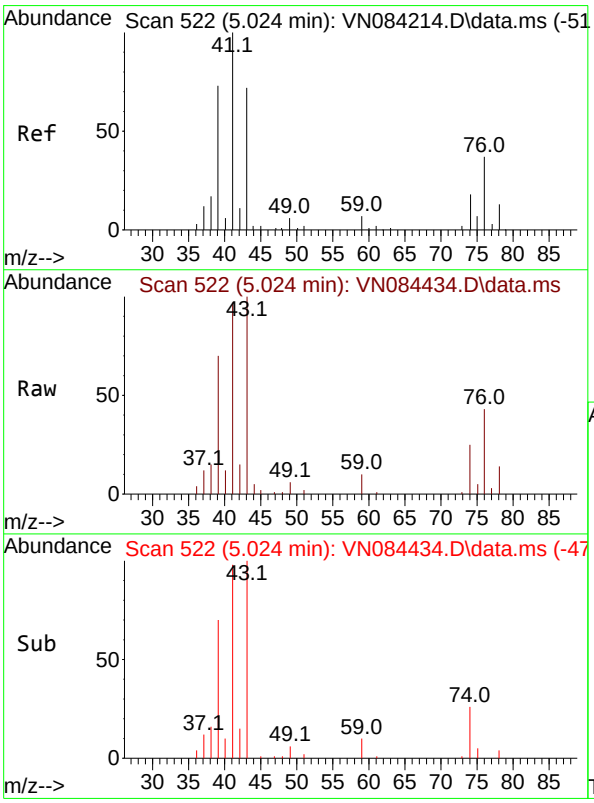
Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

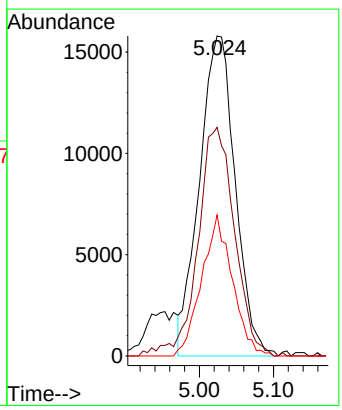
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

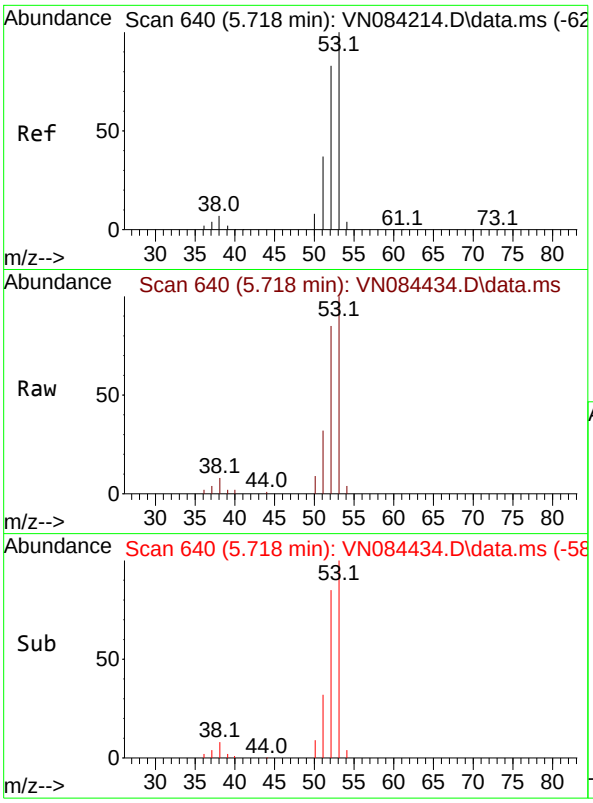


#14
Allyl chloride
Concen: 16.646 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 41 Resp: 53083

Ion	Ratio	Lower	Upper
41	100		
39	73.1	59.0	88.6
76	37.9	29.8	44.6

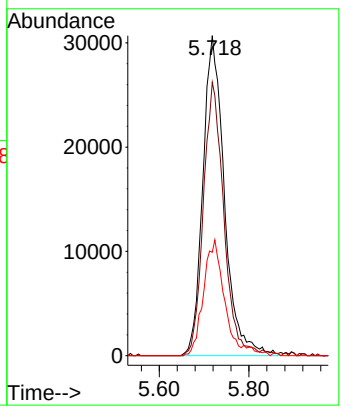




#15
Acrylonitrile
Concen: 101.771 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 53 Resp: 10247

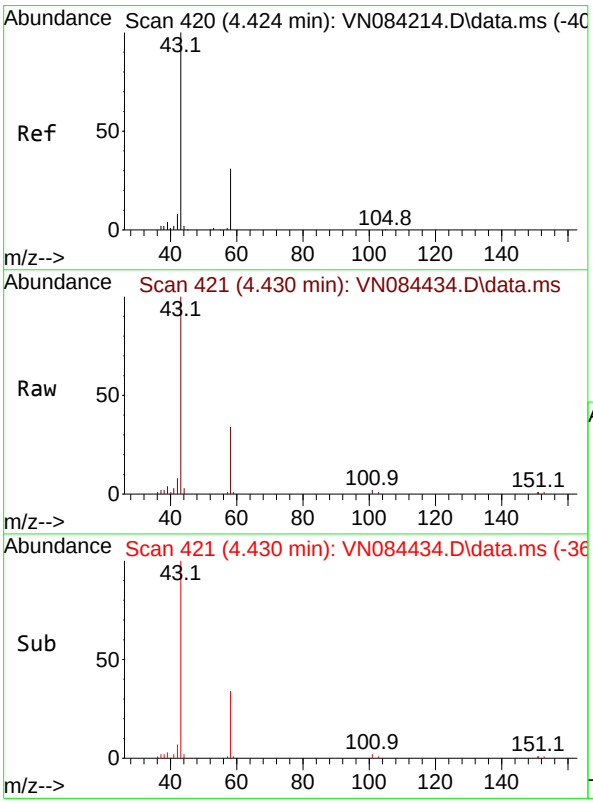
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	34.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

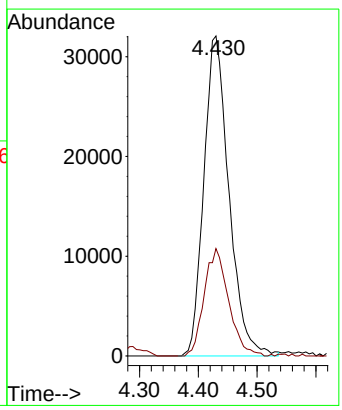
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

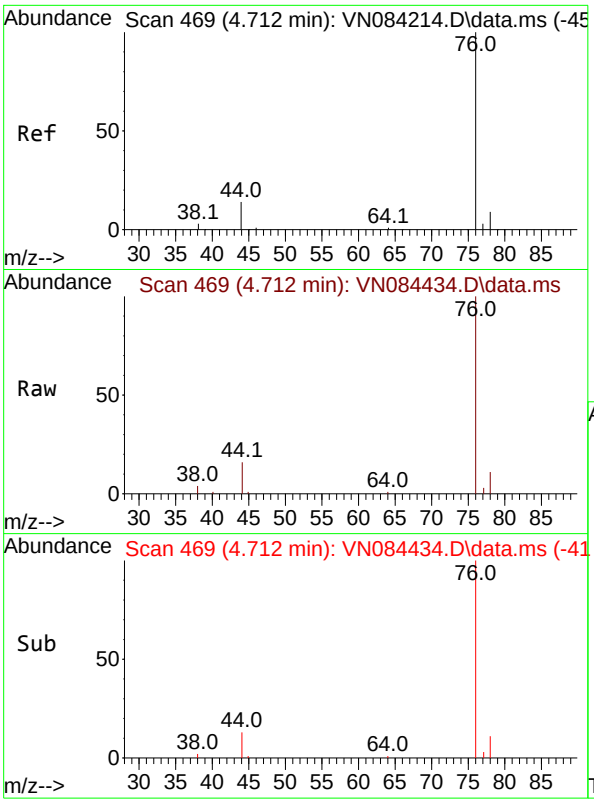


#16
Acetone
Concen: 91.613 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 95163

Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.4	36.6

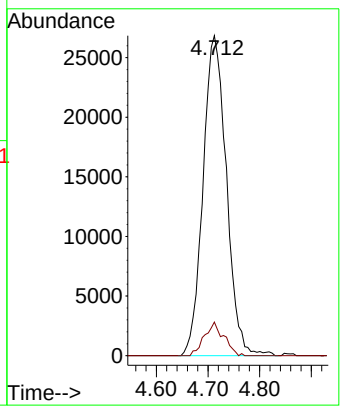




#17
Carbon Disulfide
Concen: 14.496 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 76 Resp: 8427

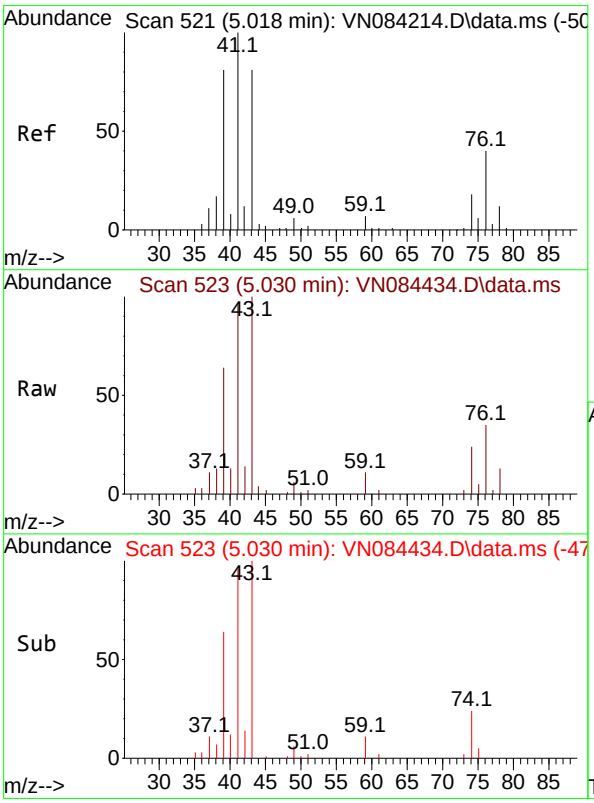
Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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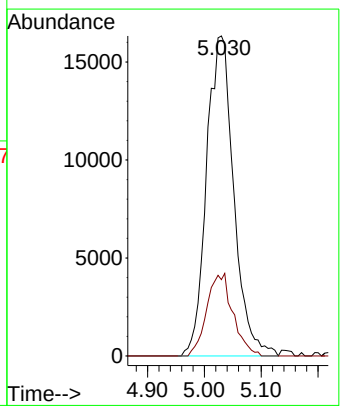
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

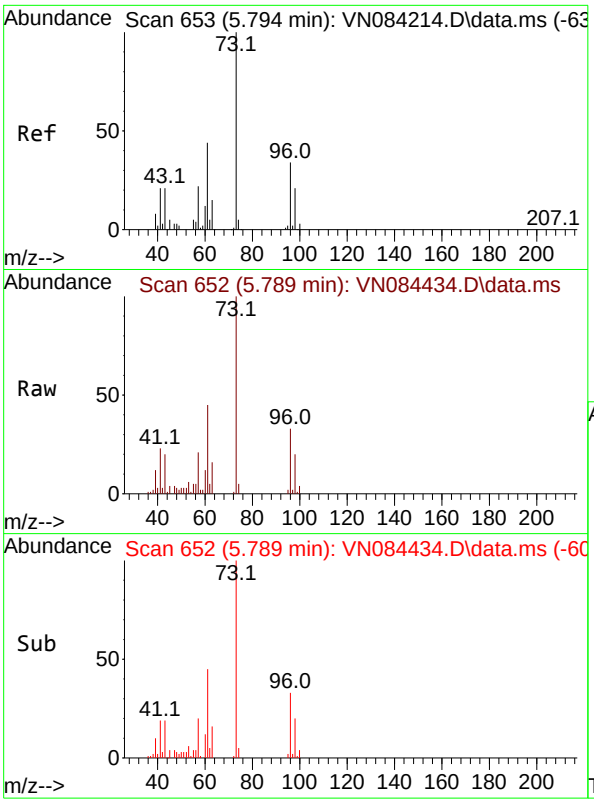


#18
Methyl Acetate
Concen: 24.005 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 54347

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.2	28.8

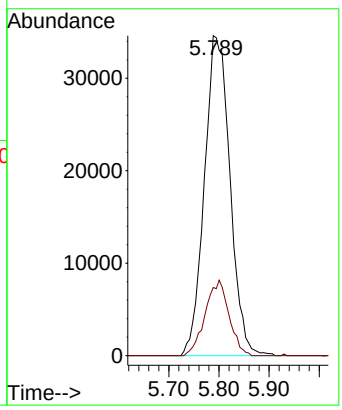




#19
Methyl tert-butyl Ether
Concen: 19.826 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 73 Resp: 12287

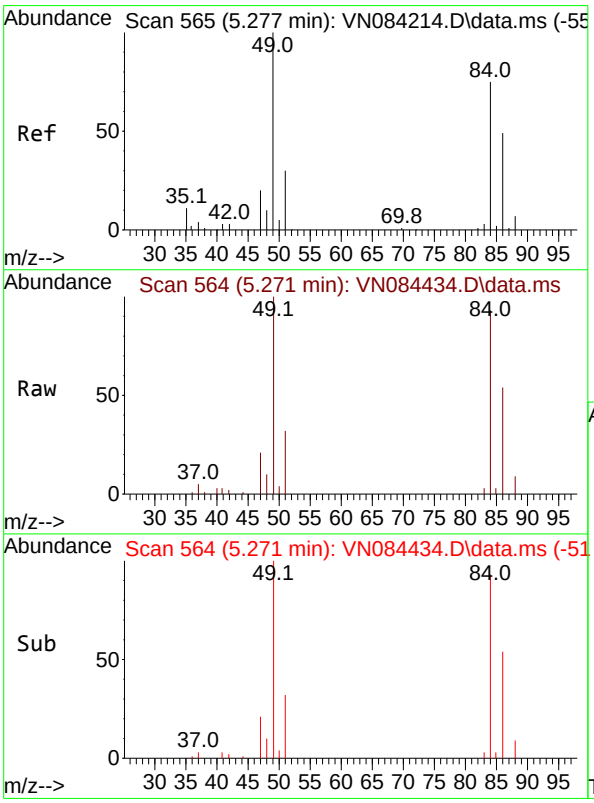
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

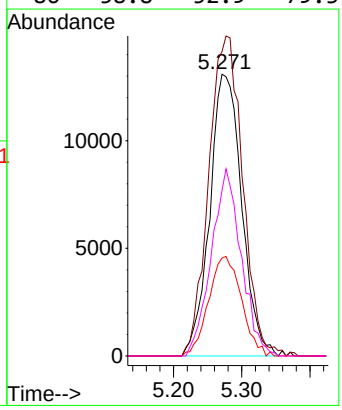
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

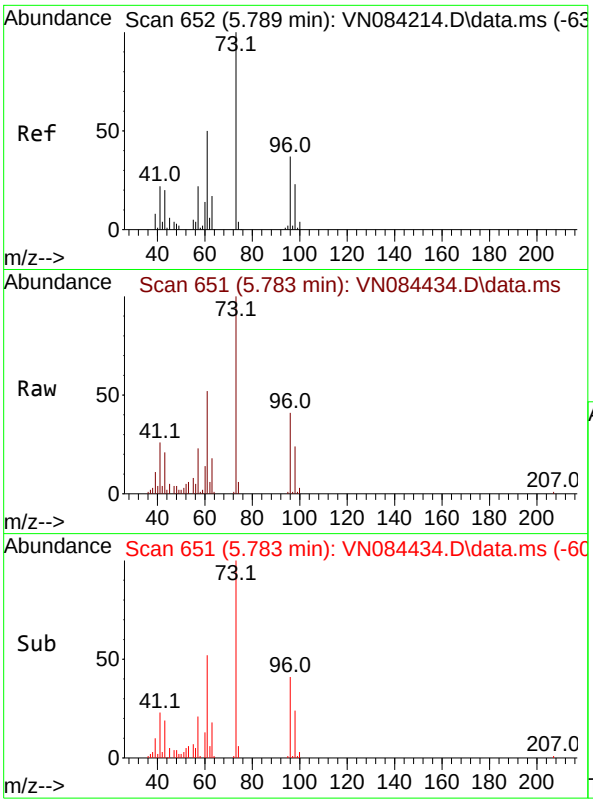


#20
Methylene Chloride
Concen: 20.192 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 84 Resp: 42636

Ion	Ratio	Lower	Upper
84	100		
49	108.1	107.2	160.8
51	34.8	31.8	47.8
86	58.8	52.9	79.3

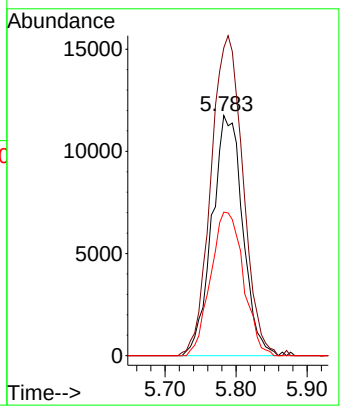




#21
trans-1,2-Dichloroethene
Concen: 18.395 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 96 Resp: 3538

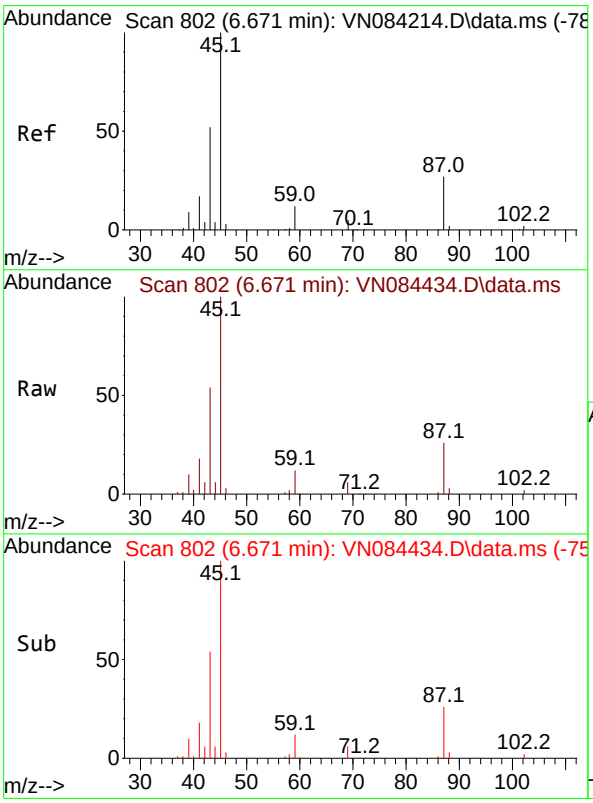
Ion	Ratio	Lower	Upper
96	100		
61	128.1	108.4	162.6
98	59.8	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

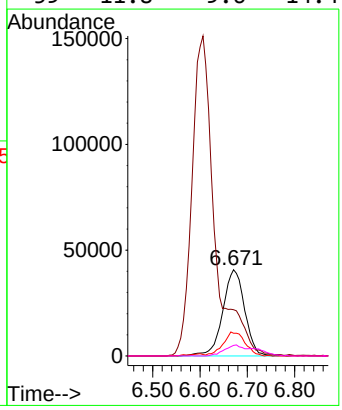
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

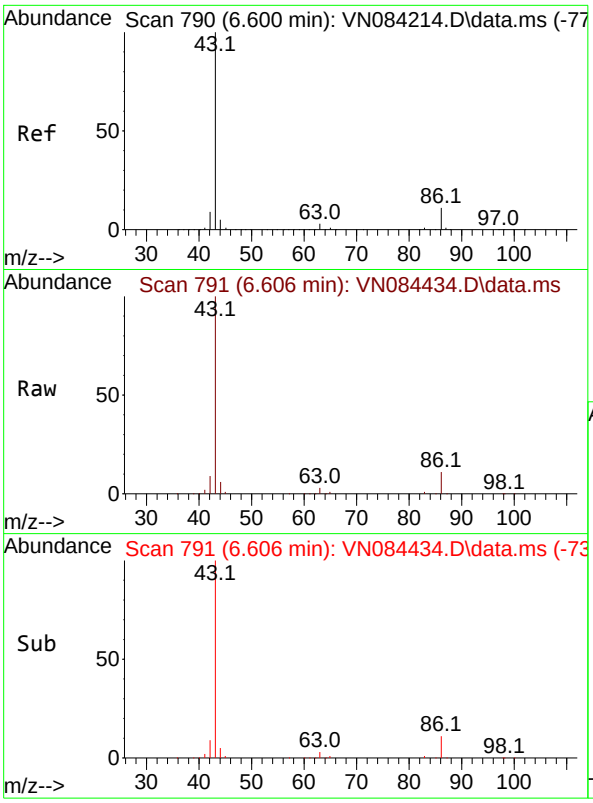


#22
Diisopropyl ether
Concen: 19.859 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 45 Resp: 130999

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.3	63.5
87	26.3	21.8	32.6
59	11.8	9.6	14.4

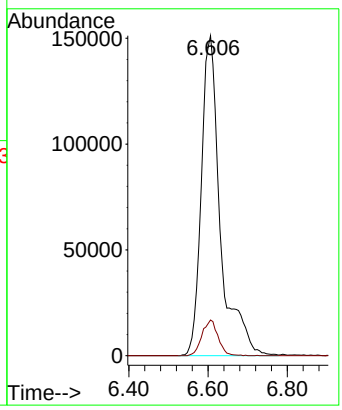




#23
Vinyl Acetate
Concen: 103.215 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 50497

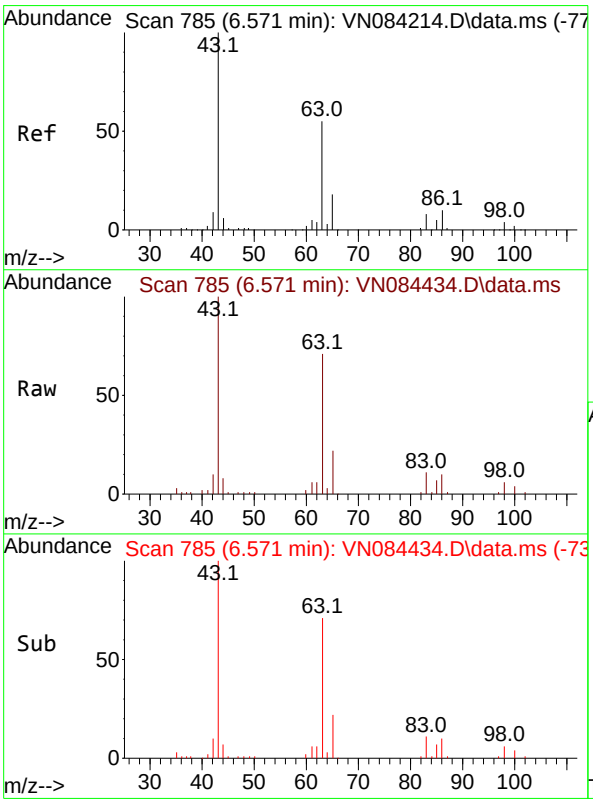
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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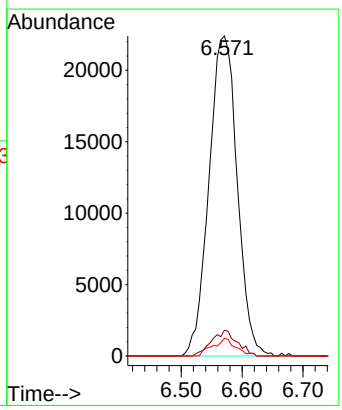
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

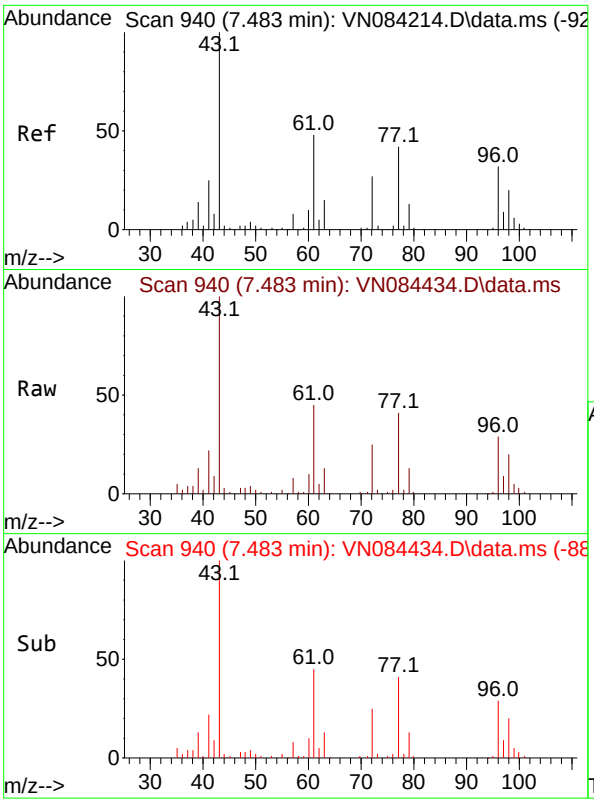


#24
1,1-Dichloroethane
Concen: 19.553 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 63 Resp: 72128

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.4	10.2
100	5.5	2.0	5.8

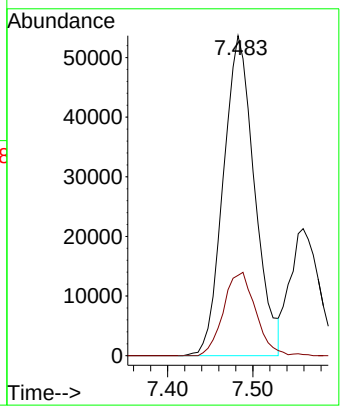




#25
2-Butanone
Concen: 96.795 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 13694

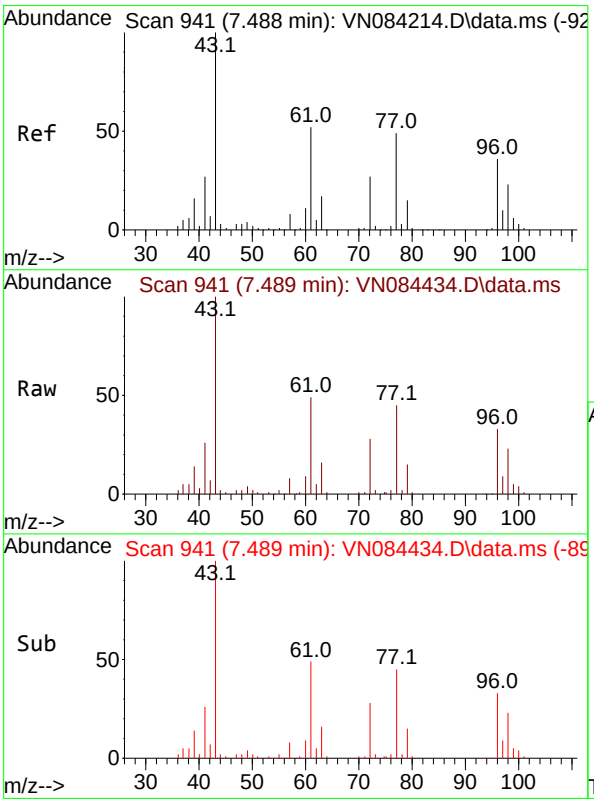
Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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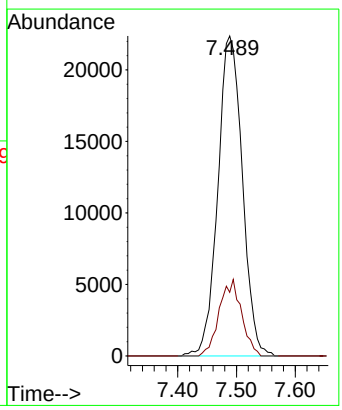
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

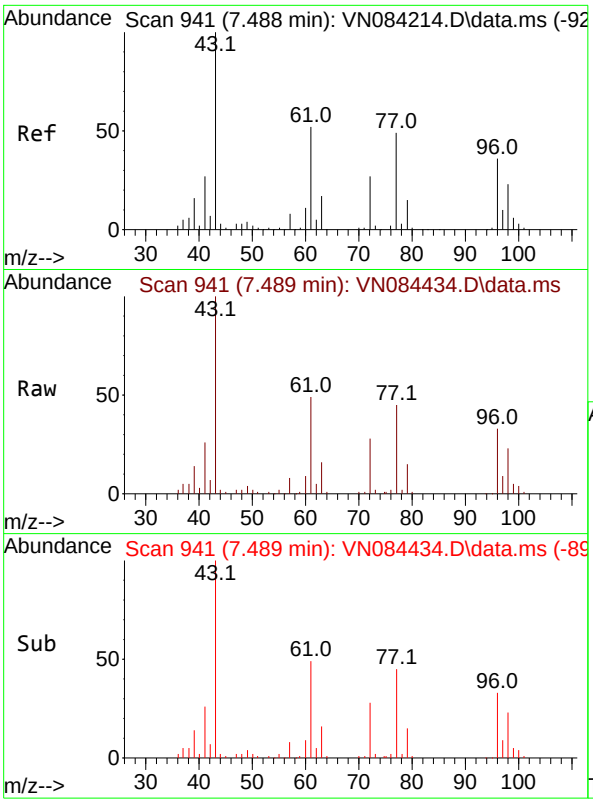


#26
2,2-Dichloropropane
Concen: 19.469 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 77 Resp: 64755

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

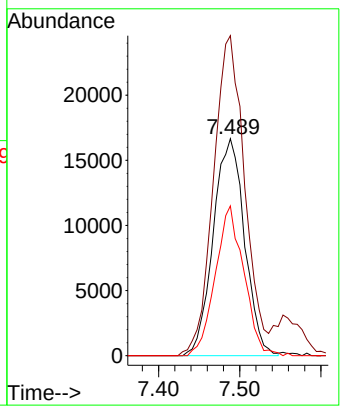




#27
cis-1,2-Dichloroethene
Concen: 19.222 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 96 Resp: 4468

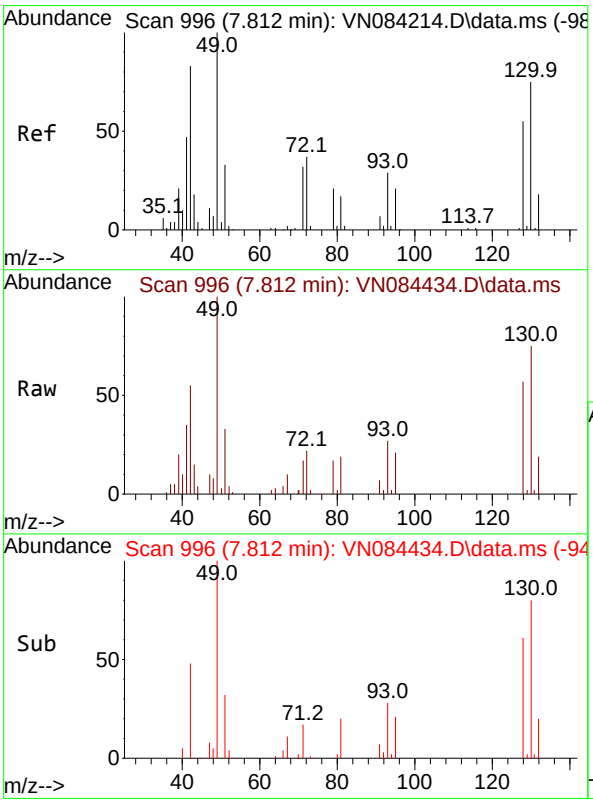
Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	301.8
98	62.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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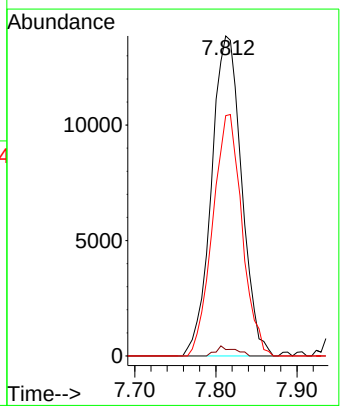
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

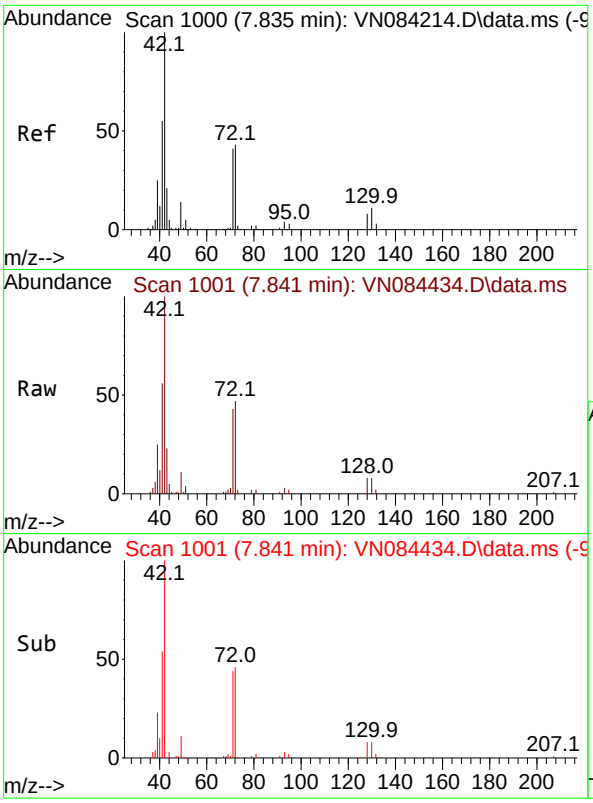


#28
Bromochloromethane
Concen: 21.744 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 49 Resp: 35788

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	73.3	58.0	87.0





#29
Tetrahydrofuran
Concen: 98.113 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

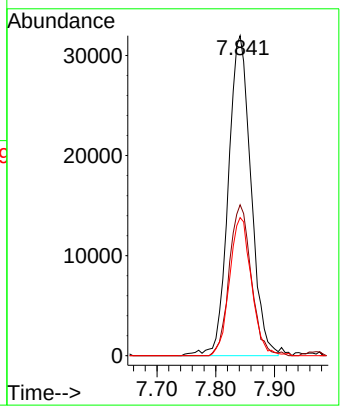
Tgt Ion: 42 Resp: 8566

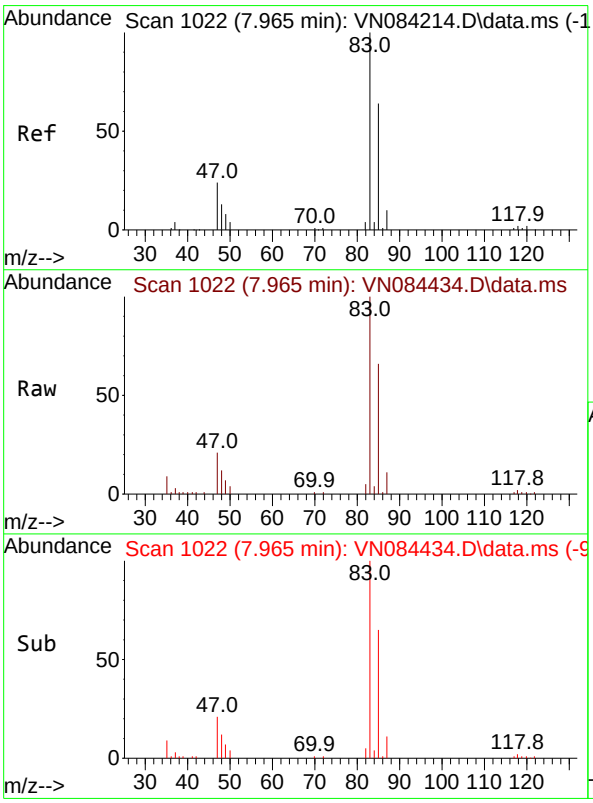
Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.6	51.8
71	41.7	32.2	48.4

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

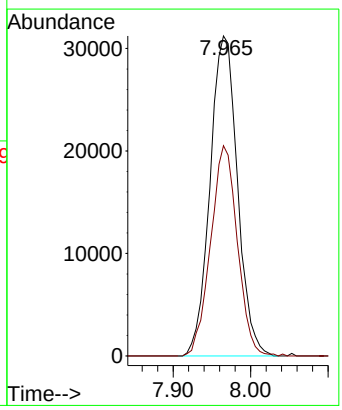


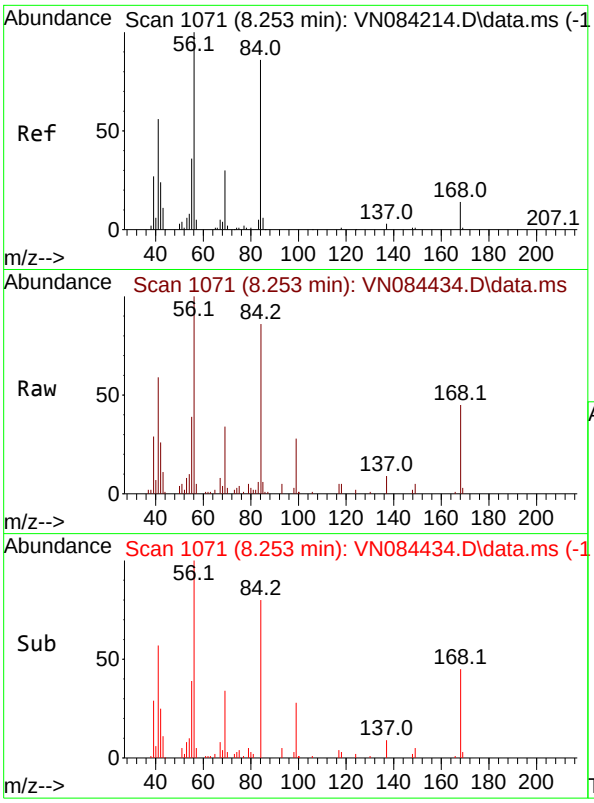


#30
Chloroform
Concen: 20.055 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 83 Resp: 76845

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.4

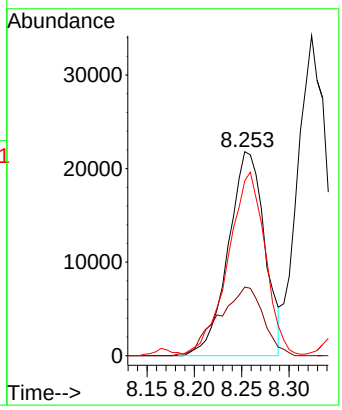




#31
Cyclohexane
Concen: 16.223 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 56 Resp: 5810

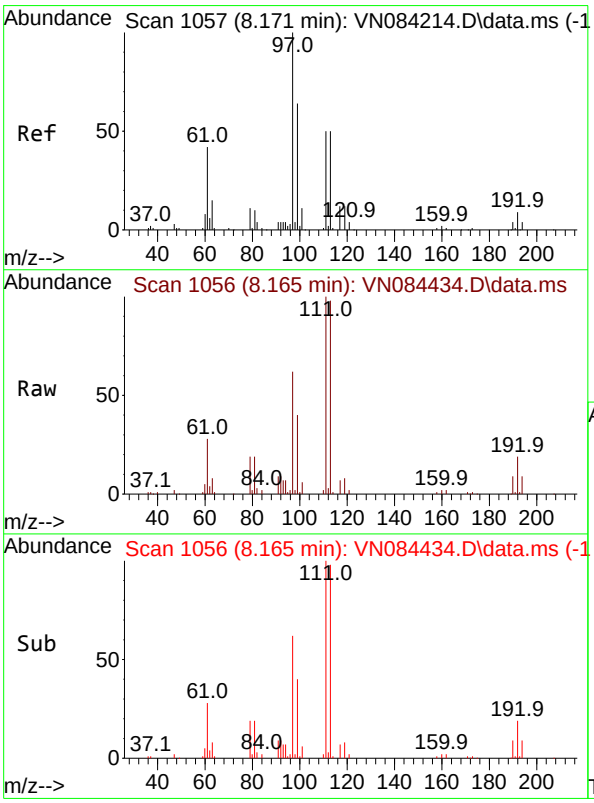
Ion	Ratio	Lower	Upper
56	100		
69	32.9	23.8	35.6
84	84.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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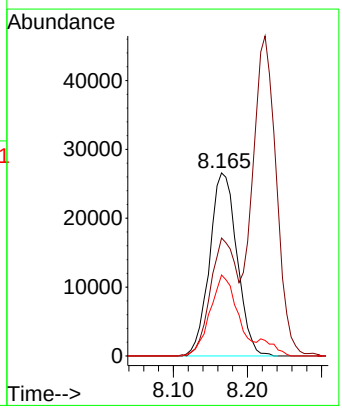
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

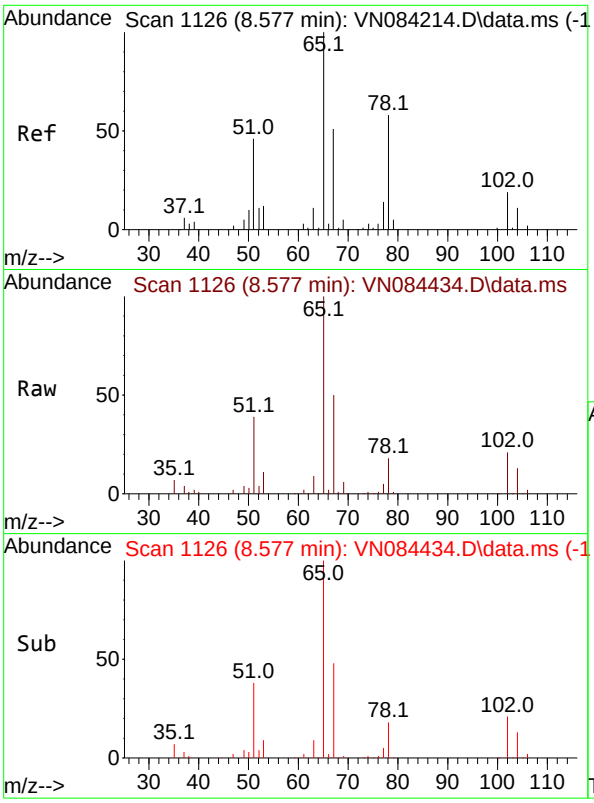


#32
1,1,1-Trichloroethane
Concen: 19.832 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 97 Resp: 68247

Ion	Ratio	Lower	Upper
97	100		
99	60.2	51.2	76.8
61	45.1	37.5	56.3

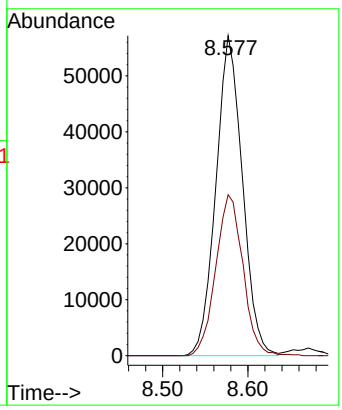




#33
1,2-Dichloroethane-d4
Concen: 51.056 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 65 Resp: 12345

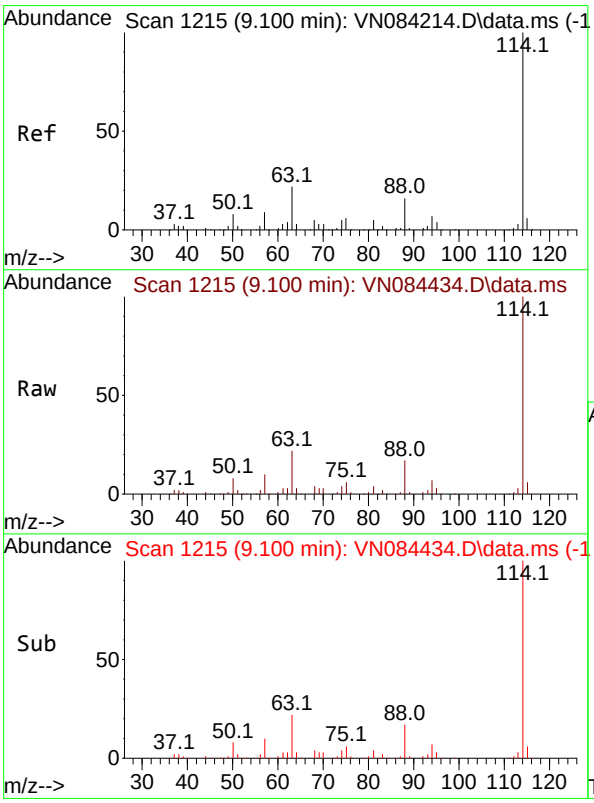
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

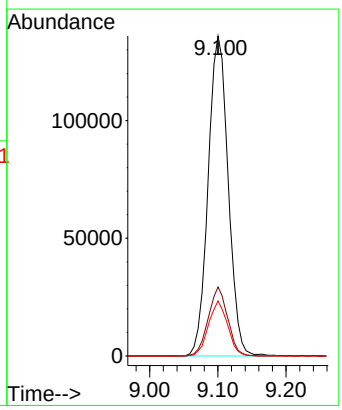
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

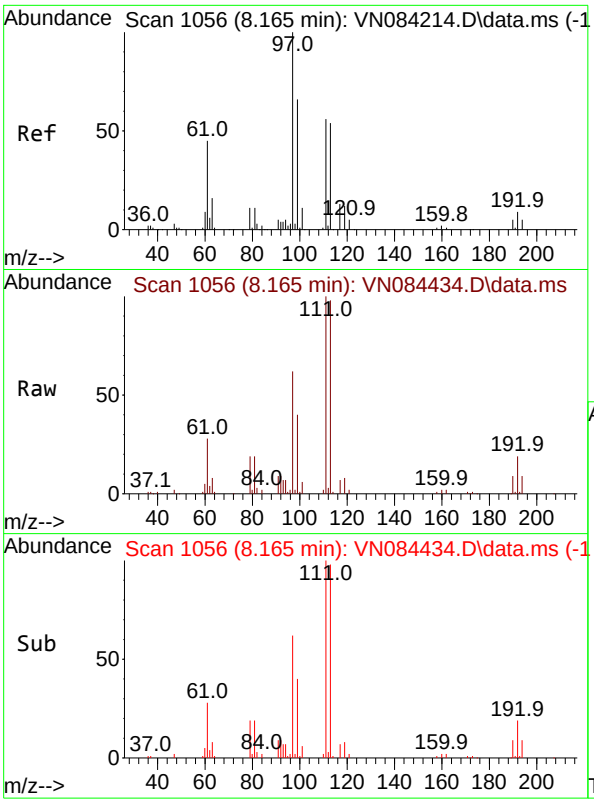


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:114 Resp: 278516

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	17.2	0.0	31.6

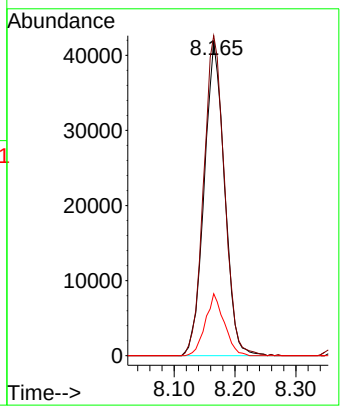




#35
Dibromofluoromethane
Concen: 52.829 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:113 Resp: 9700

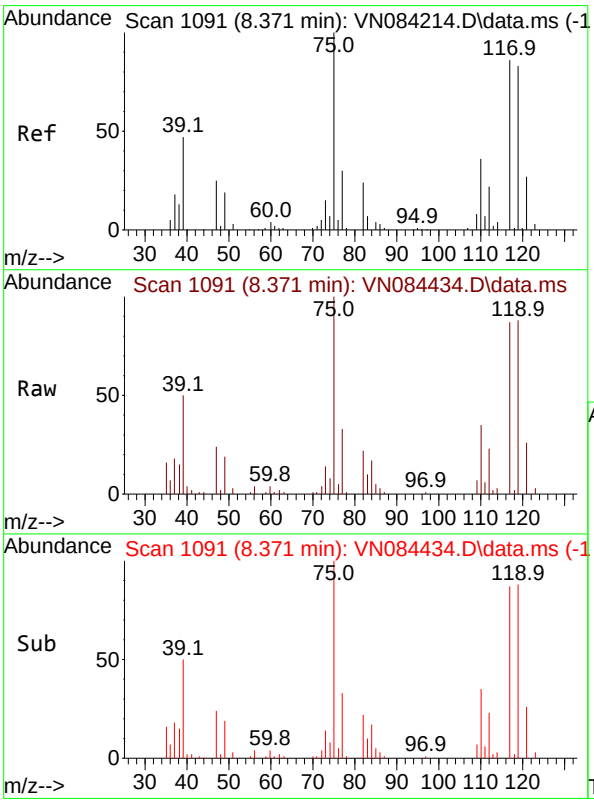
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.2	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

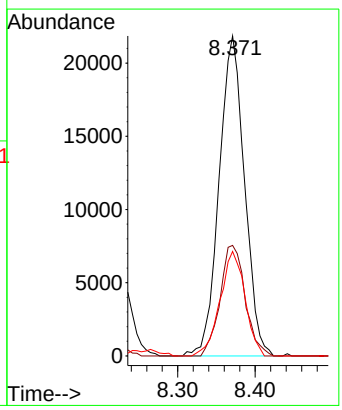
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

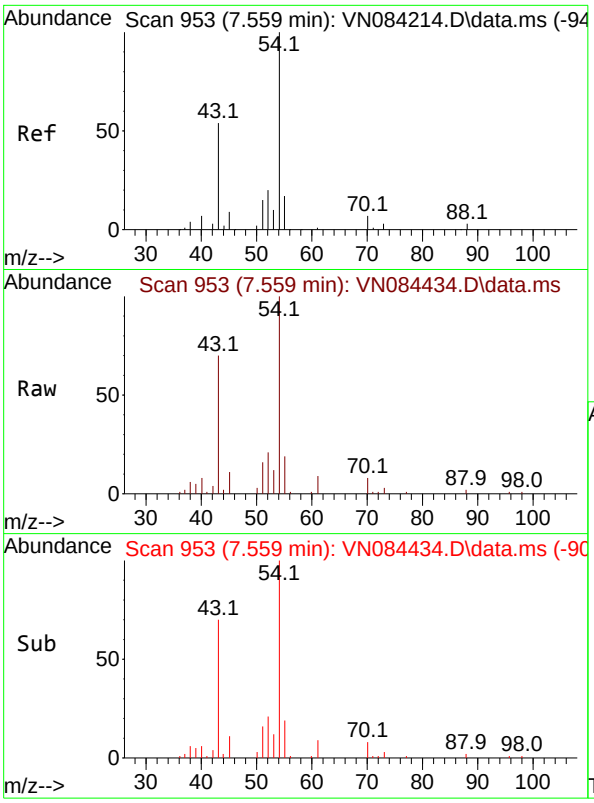


#36
1,1-Dichloropropene
Concen: 18.689 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 49846

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	32.0	24.7	37.1

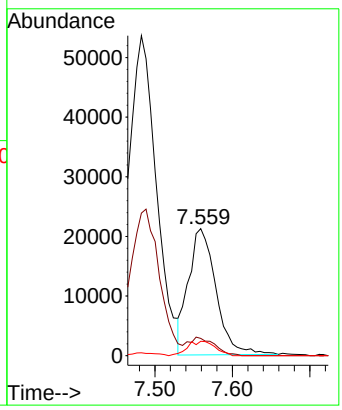




#37
Ethyl Acetate
Concen: 19.160 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 5242

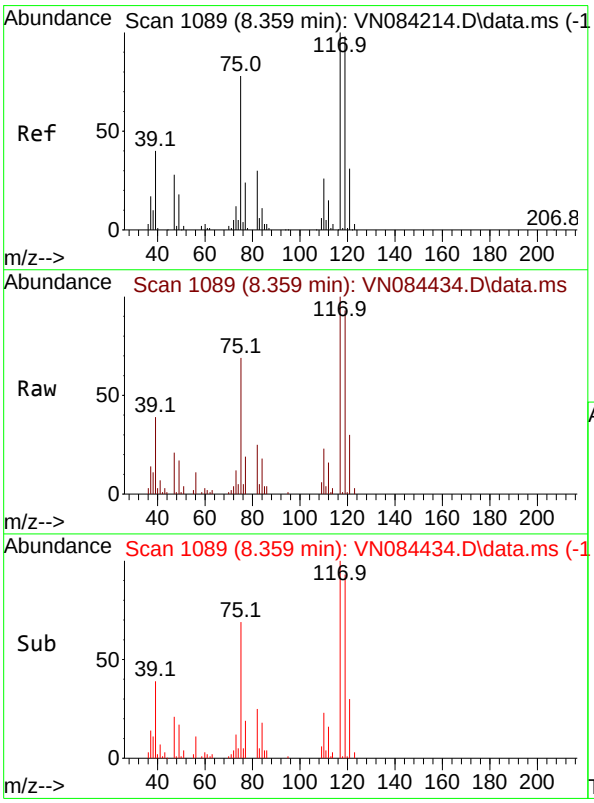
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	11.4	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

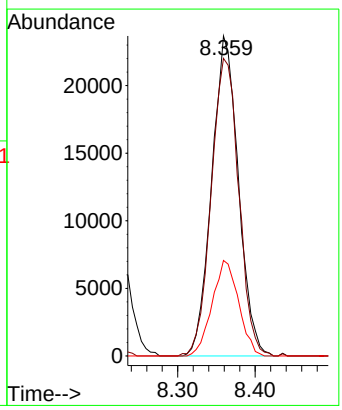
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

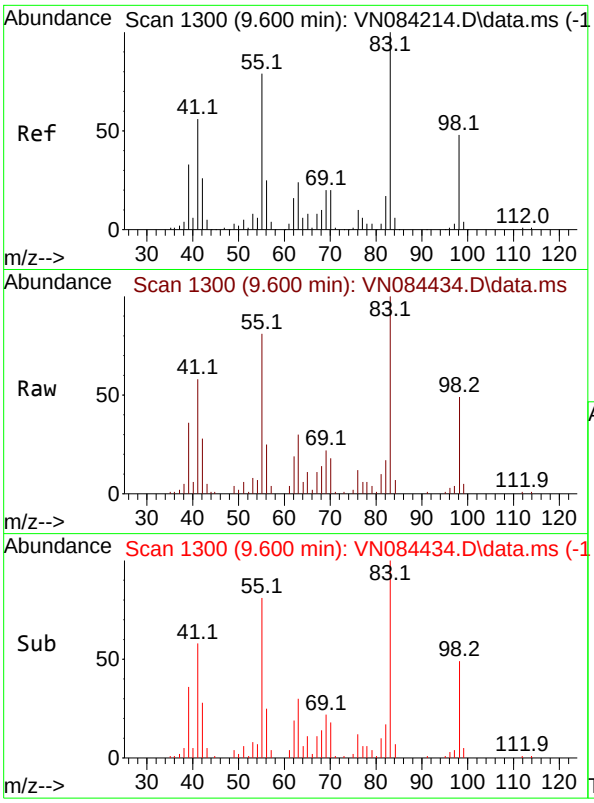


#38
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:117 Resp: 56628

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.7	118.1
121	29.8	24.4	36.6

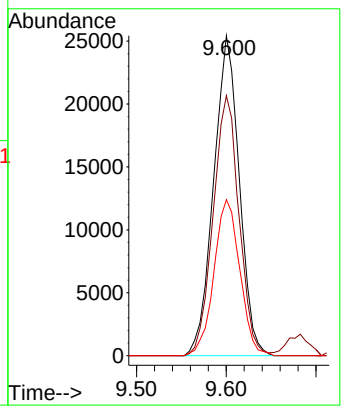




#39
Methylcyclohexane
Concen: 17.009 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 83 Resp: 5049

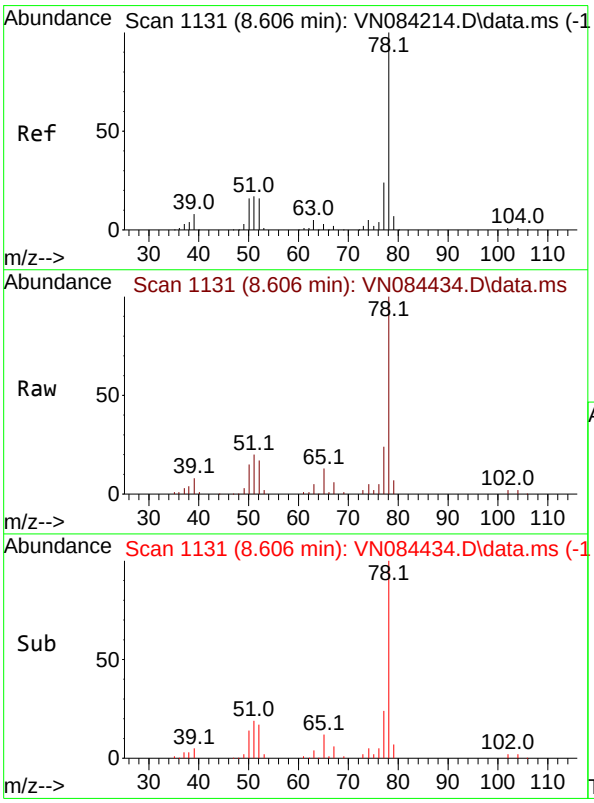
Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.8	94.2
98	48.7	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

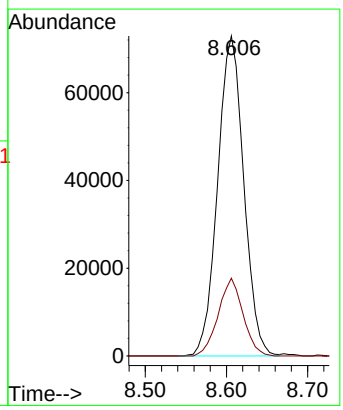
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

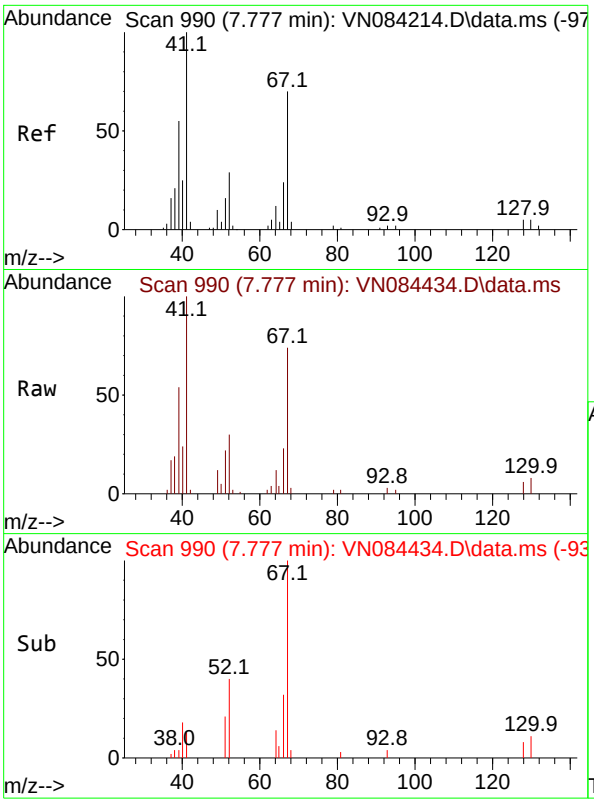


#40
Benzene
Concen: 19.612 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 78 Resp: 162968

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7

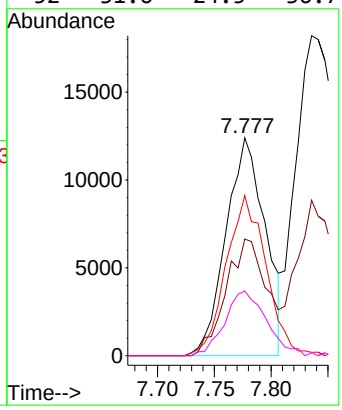




#41
Methacrylonitrile
Concen: 20.079 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 41 Resp: 2982

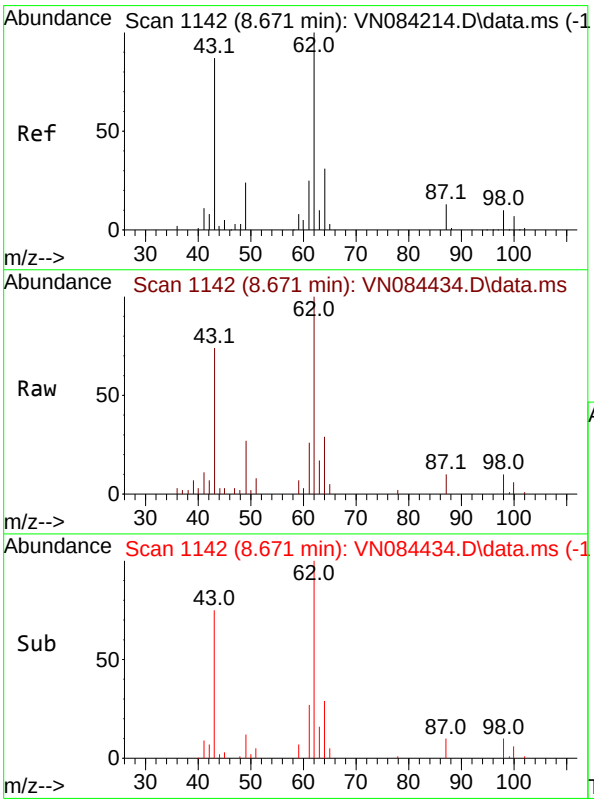
Ion	Ratio	Lower	Upper
41	100		
39	55.1	43.3	64.9
67	74.8	56.1	84.1
52	31.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

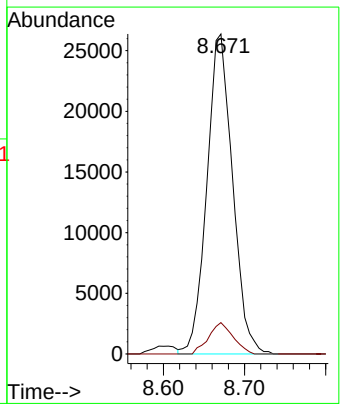
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

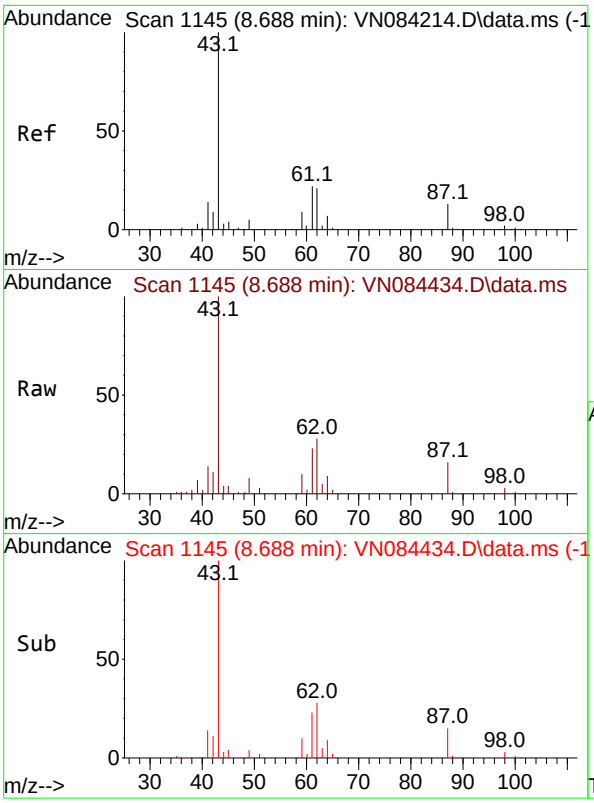


#42
1,2-Dichloroethane
Concen: 20.598 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 62 Resp: 58026

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

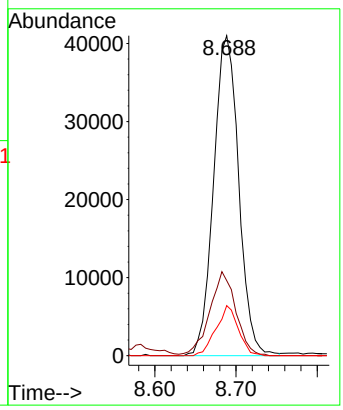




#43
Isopropyl Acetate
Concen: 16.429 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 8804

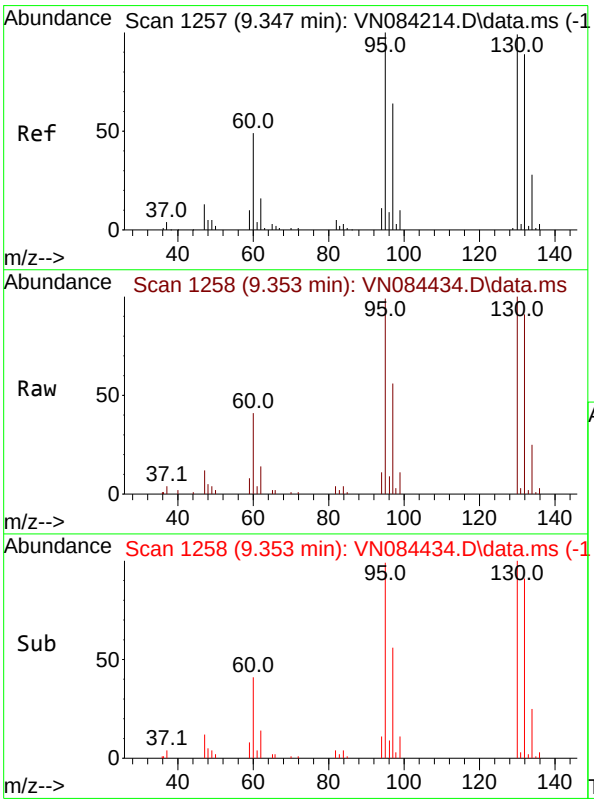
Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.4	30.6
87	13.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

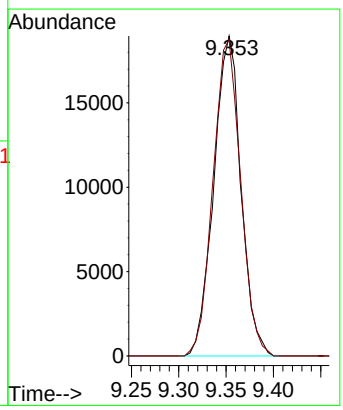
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

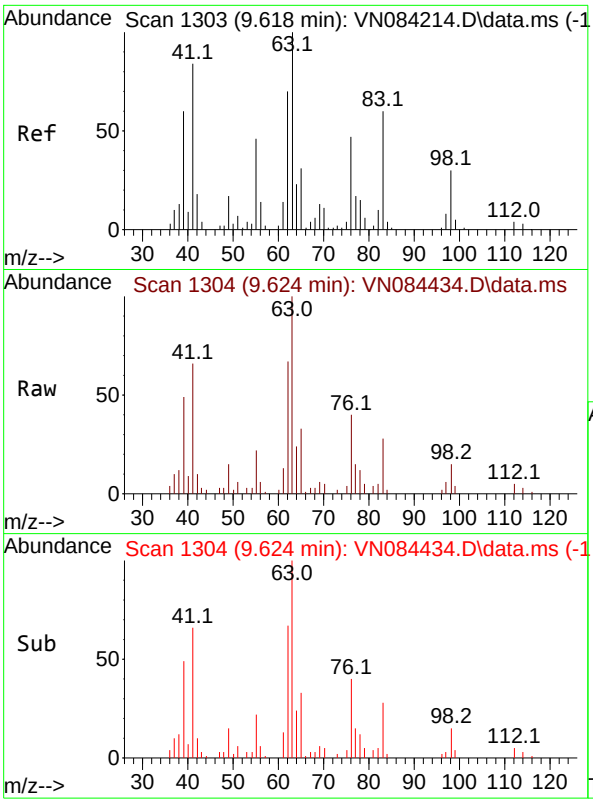


#44
Trichloroethene
Concen: 19.541 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:130 Resp: 37926

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0

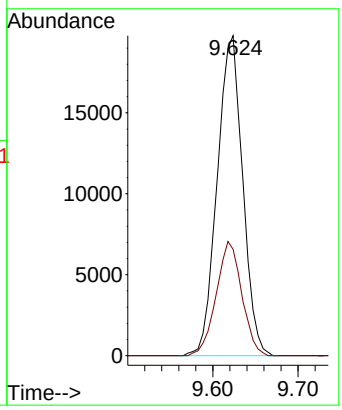




#45
1,2-Dichloropropane
Concen: 20.882 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 63 Resp: 4104

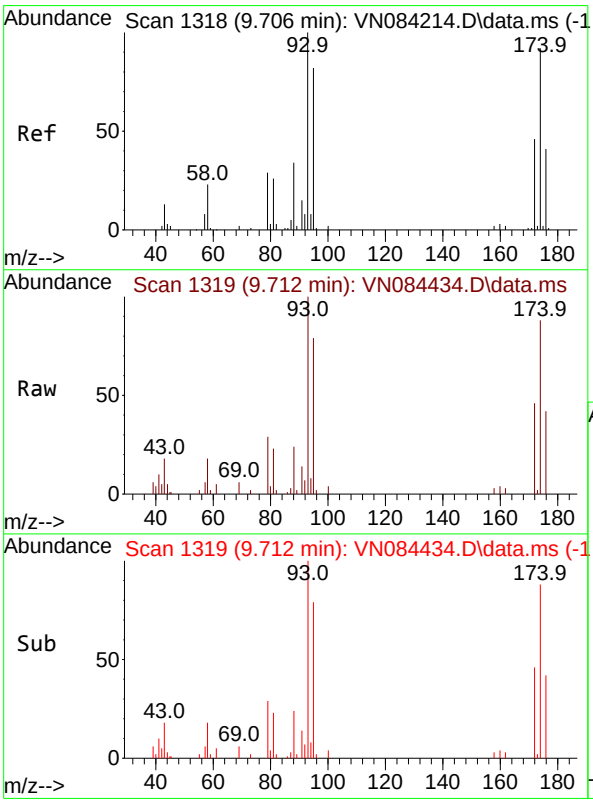
Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

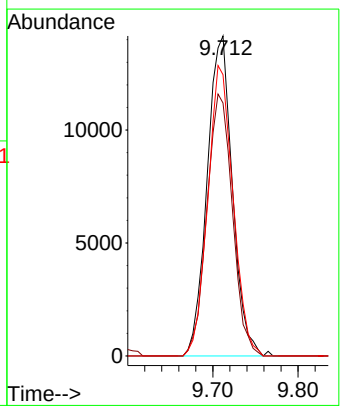
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

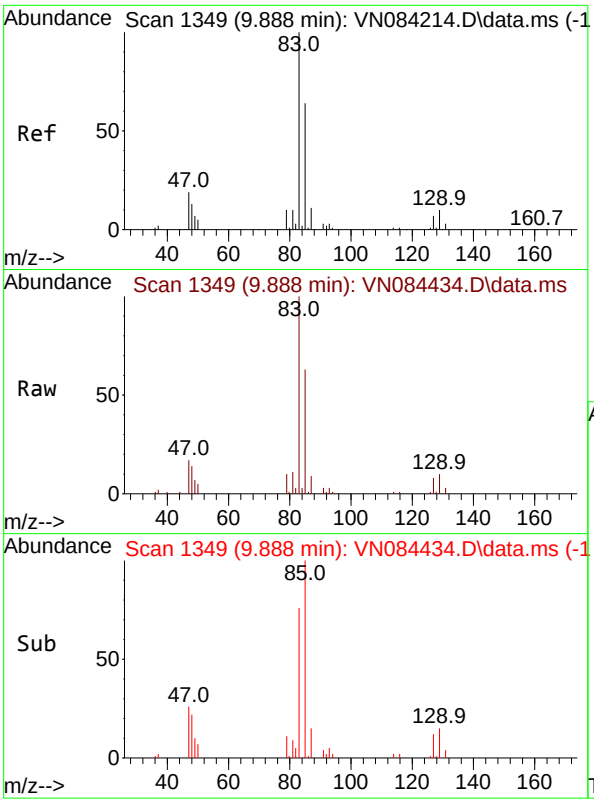


#46
Dibromomethane
Concen: 22.002 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 93 Resp: 29187

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.0	97.4
174	90.6	71.8	107.8

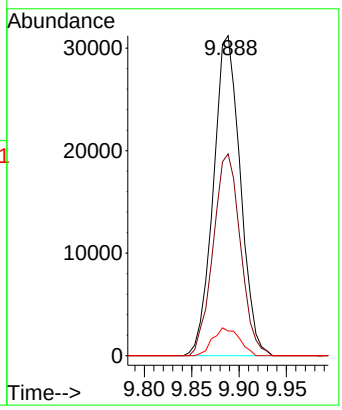




#47
Bromodichloromethane
Concen: 20.940 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 83 Resp: 6171

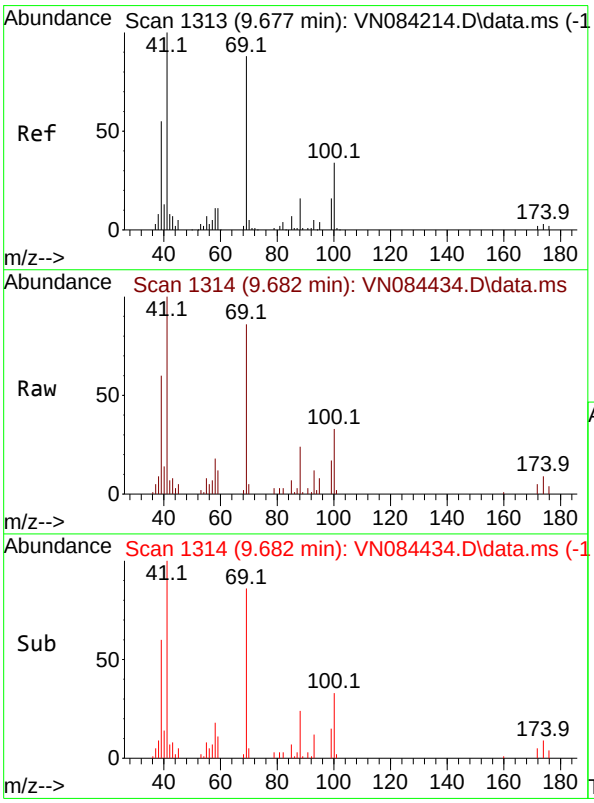
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3
127	7.7	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

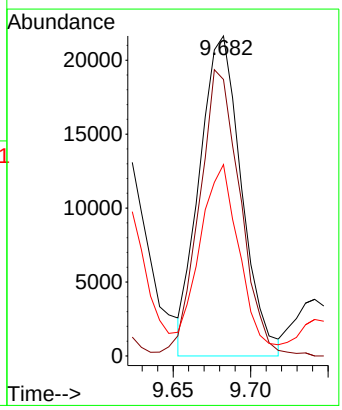
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

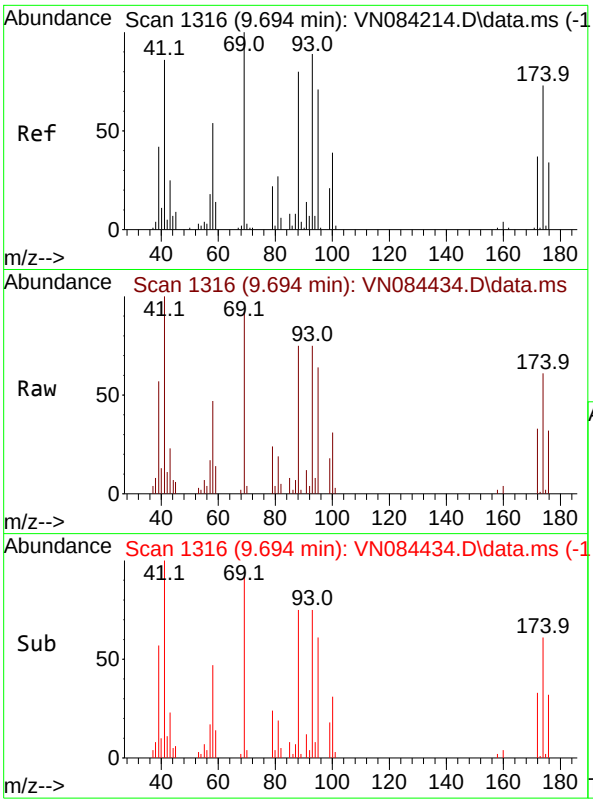


#48
Methyl methacrylate
Concen: 19.075 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 41 Resp: 40695

Ion	Ratio	Lower	Upper
41	100		
69	87.8	67.1	100.7
39	58.5	45.8	68.6

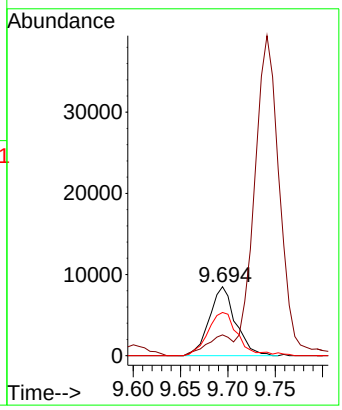




#49
1,4-Dioxane
Concen: 415.845 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 88 Resp: 1633

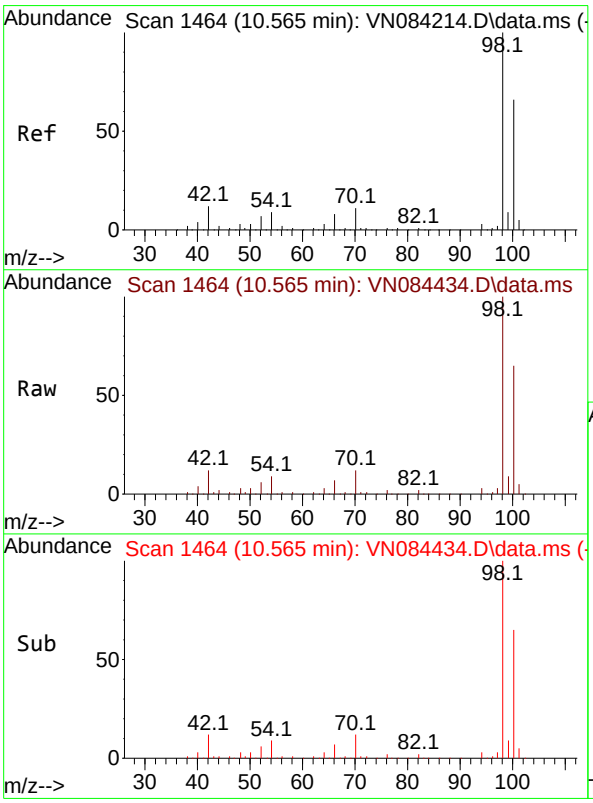
Ion	Ratio	Lower	Upper
88	100		
43	29.5	25.3	37.9
58	72.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

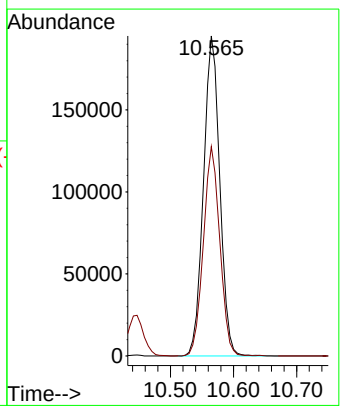
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

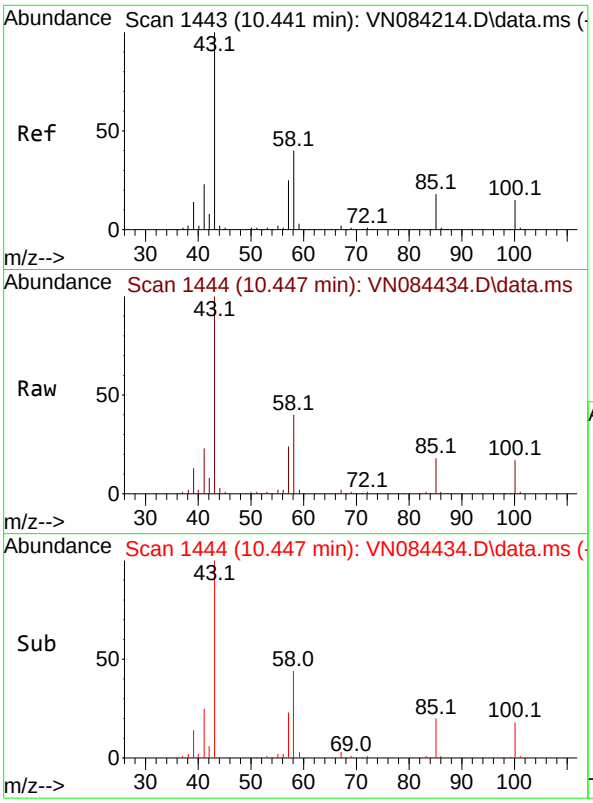


#50
Toluene-d8
Concen: 51.812 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 98 Resp: 350013

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 104.354 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

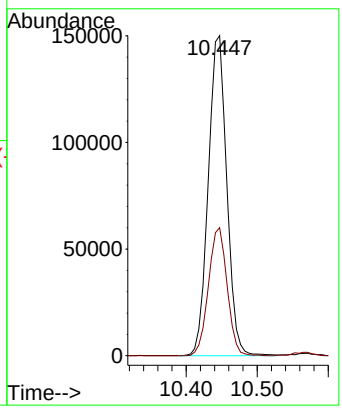
Tgt Ion: 43 Resp: 27181(

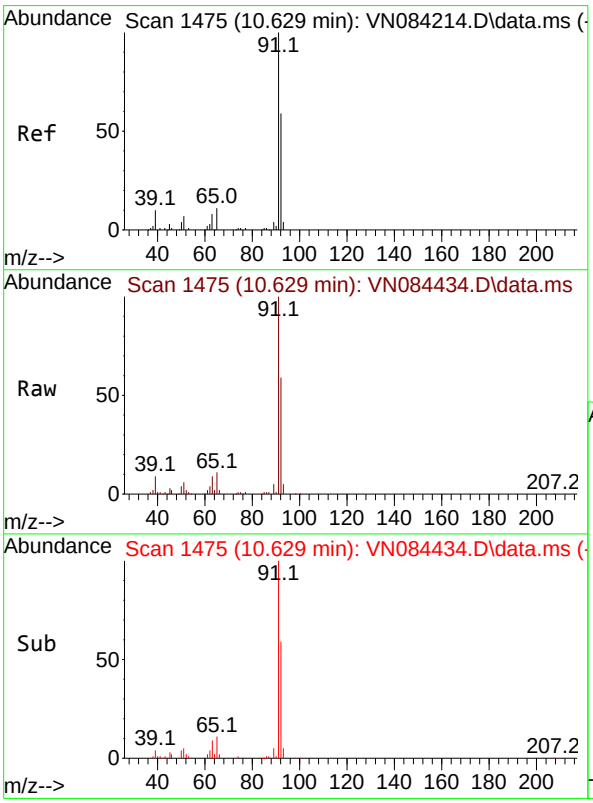
Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

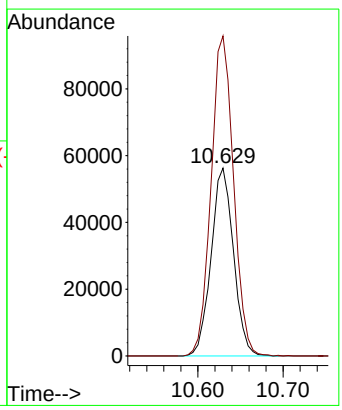


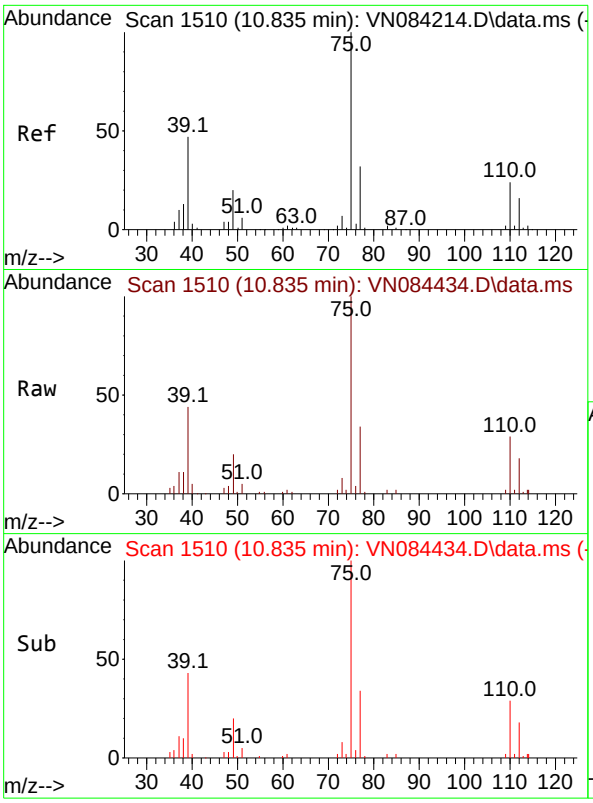


#52
Toluene
Concen: 20.289 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 92 Resp: 102809

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.3	205.9





#53
t-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

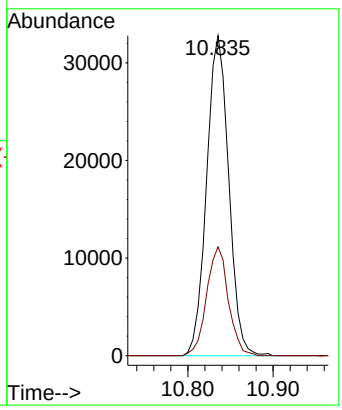
Tgt Ion: 75 Resp: 5918

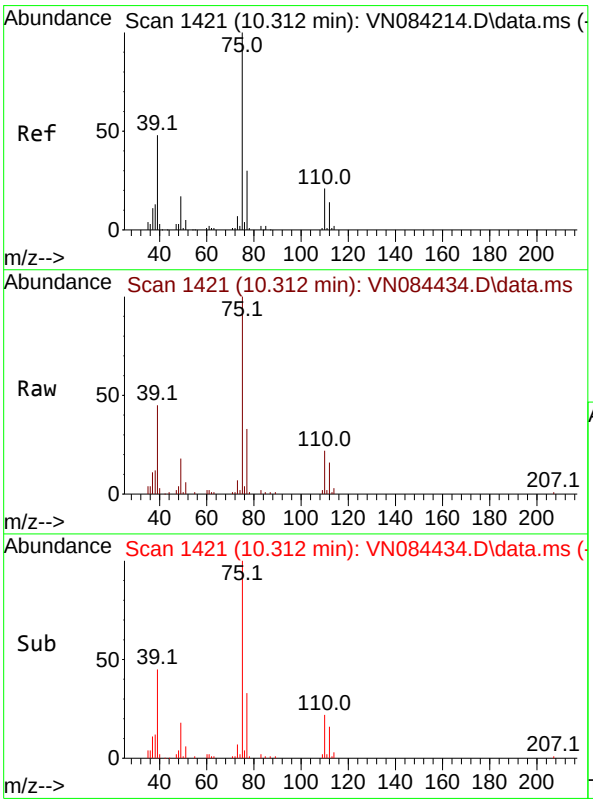
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

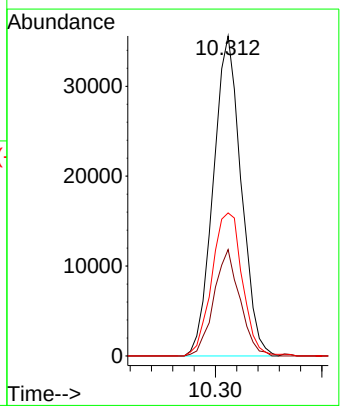


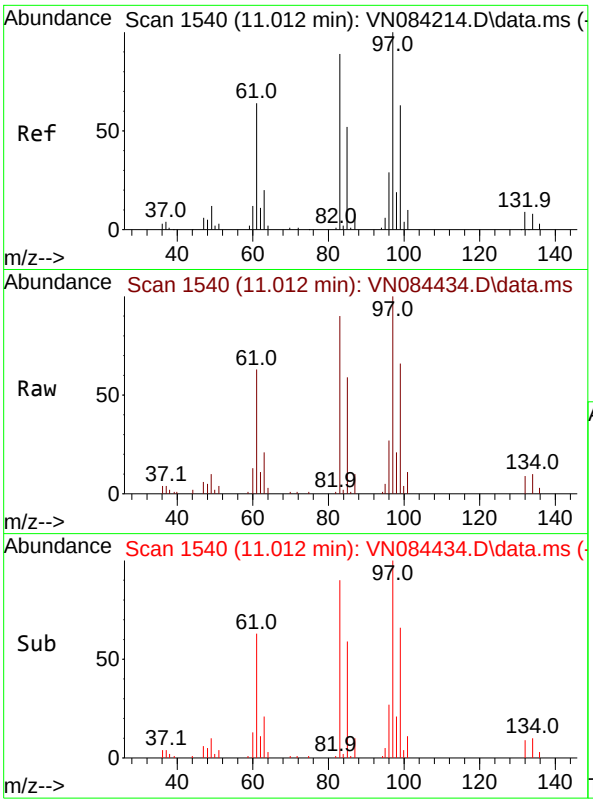


#54
cis-1,3-Dichloropropene
Concen: 20.003 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 64640

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.2	36.2
39	44.7	38.7	58.1

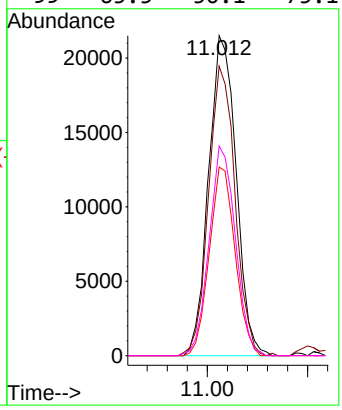




#55
1,1,2-Trichloroethane
Concen: 22.465 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 97 Resp: 4081

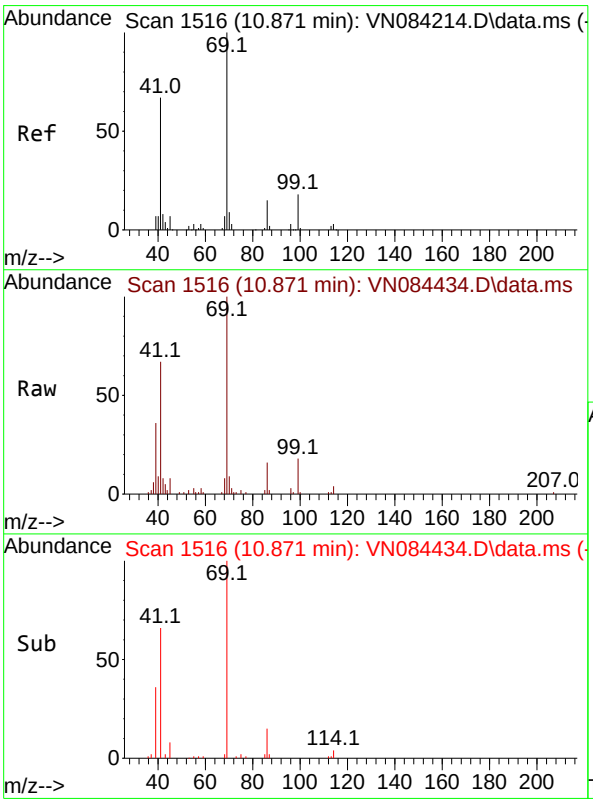
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.0	106.4
85	59.0	41.7	62.5
99	65.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

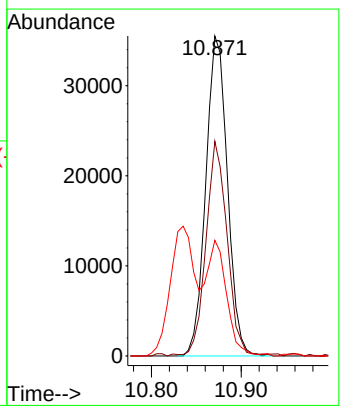
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

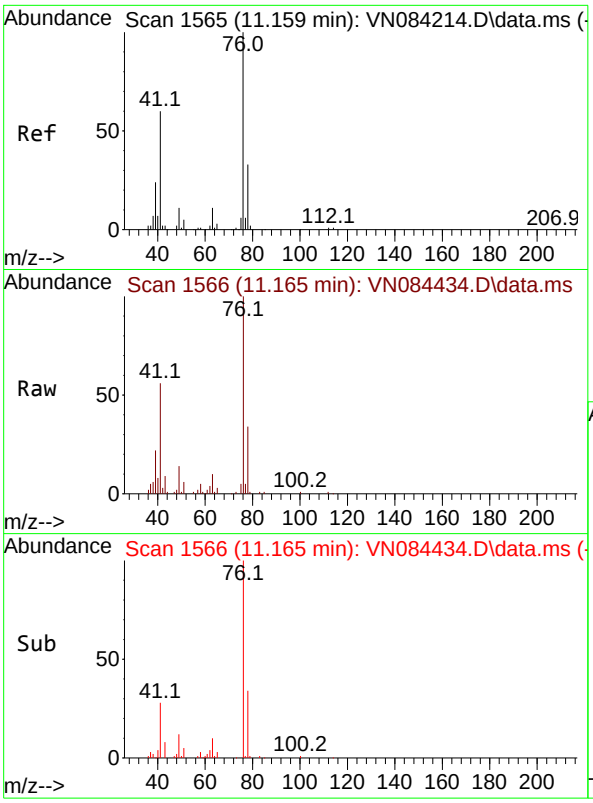


#56
Ethyl methacrylate
Concen: 19.919 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 69 Resp: 59539

Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.3	79.9
39	34.7	28.8	43.2

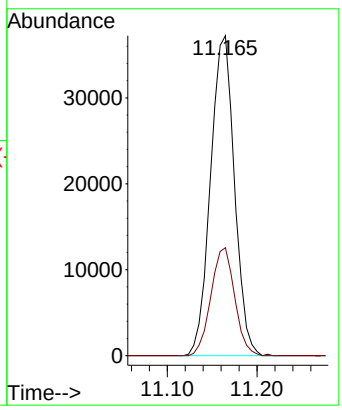




#57
1,3-Dichloropropane
Concen: 21.236 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 76 Resp: 6893

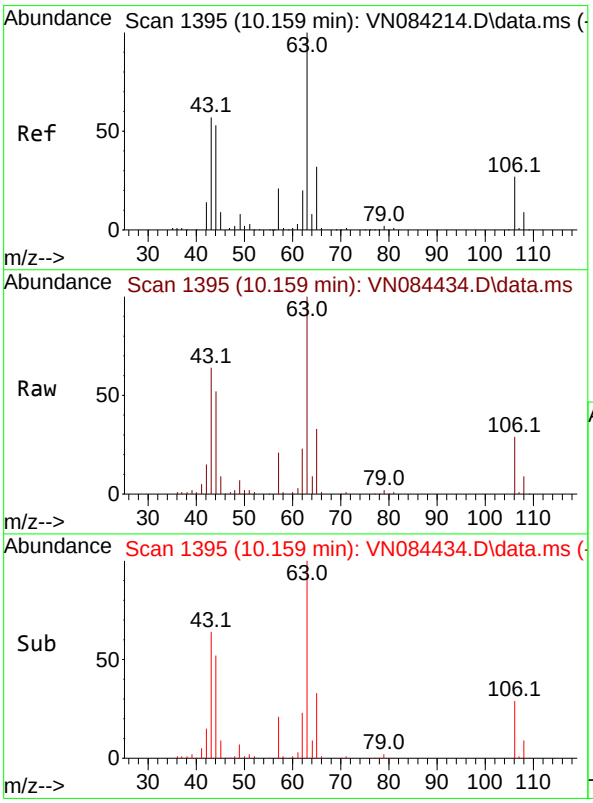
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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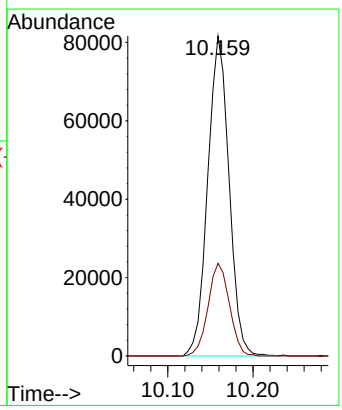
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

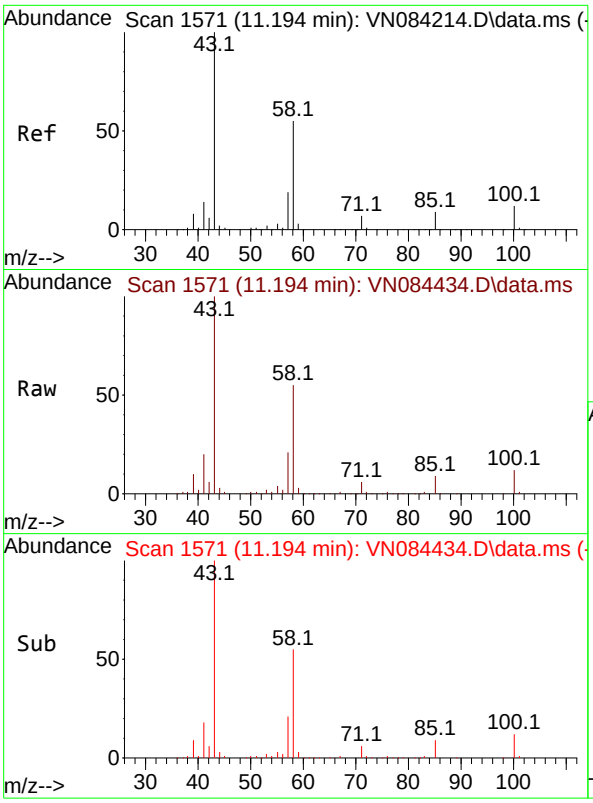


#58
2-Chloroethyl Vinyl ether
Concen: 102.191 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 63 Resp: 141699

Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.6

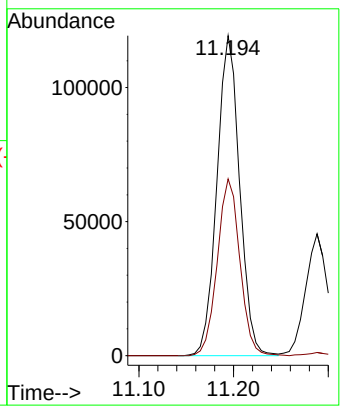




#59
2-Hexanone
Concen: 102.176 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 19891

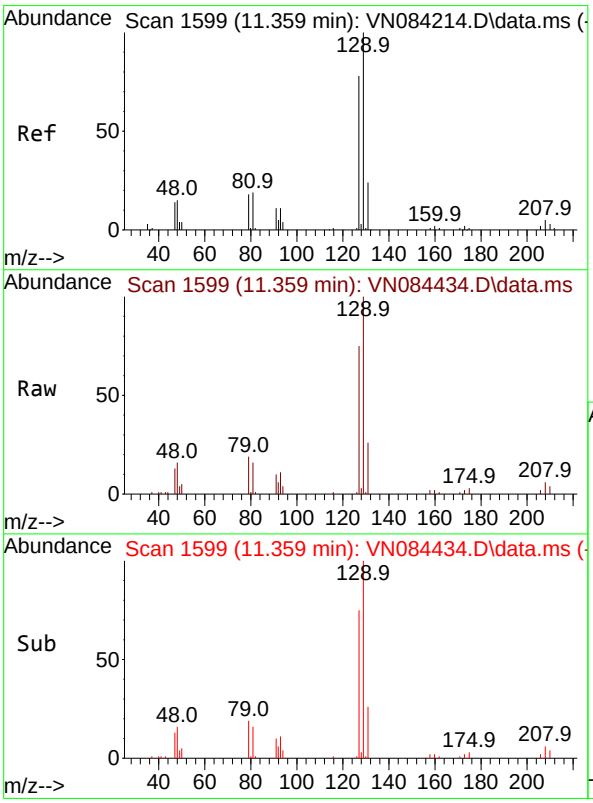
Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

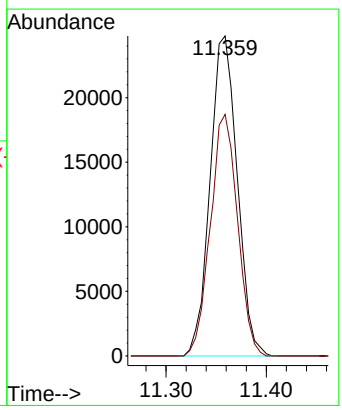
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

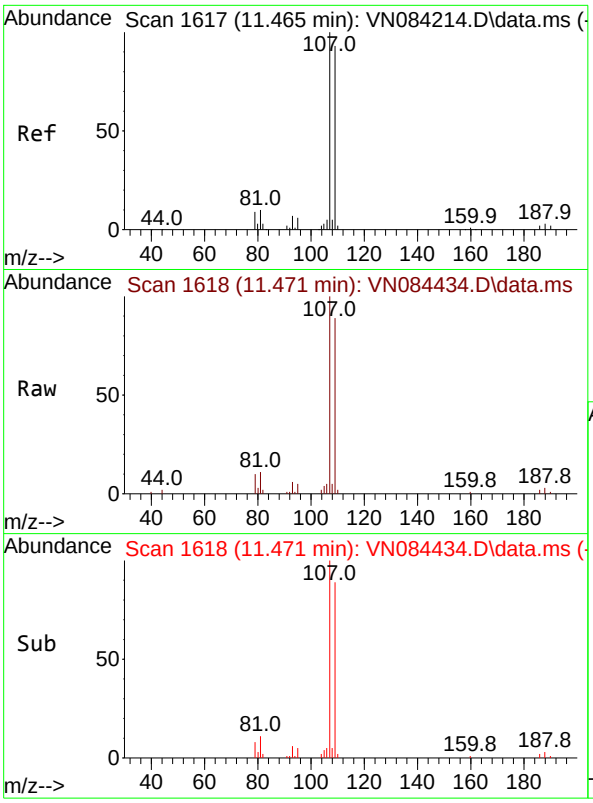


#60
Dibromochloromethane
Concen: 21.769 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:129 Resp: 46724

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.3	114.9

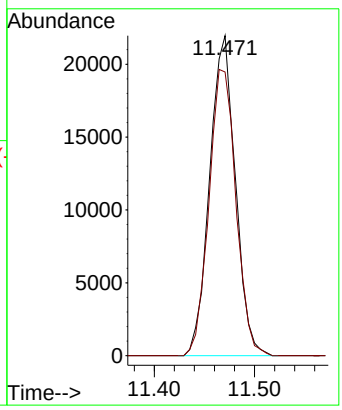




#61
1,2-Dibromoethane
Concen: 20.741 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:107 Resp: 3915

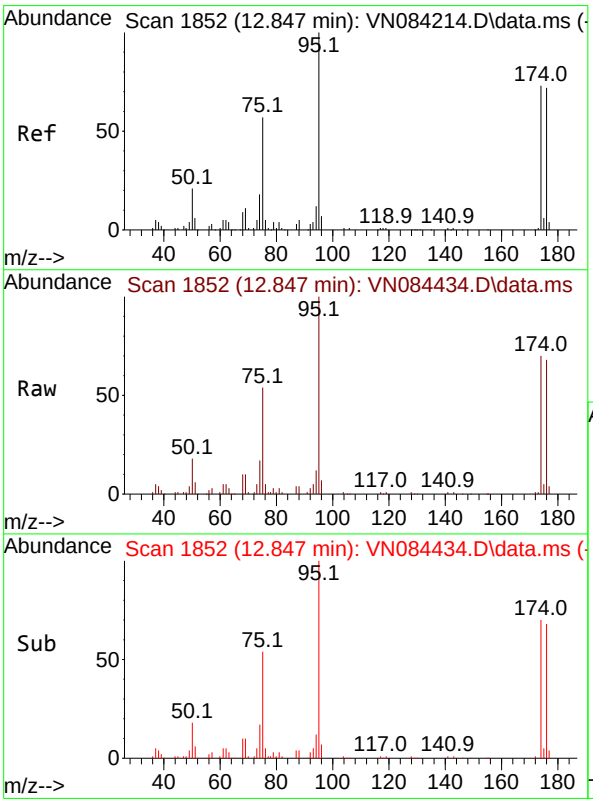
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

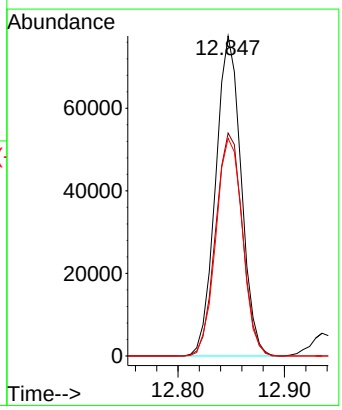
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

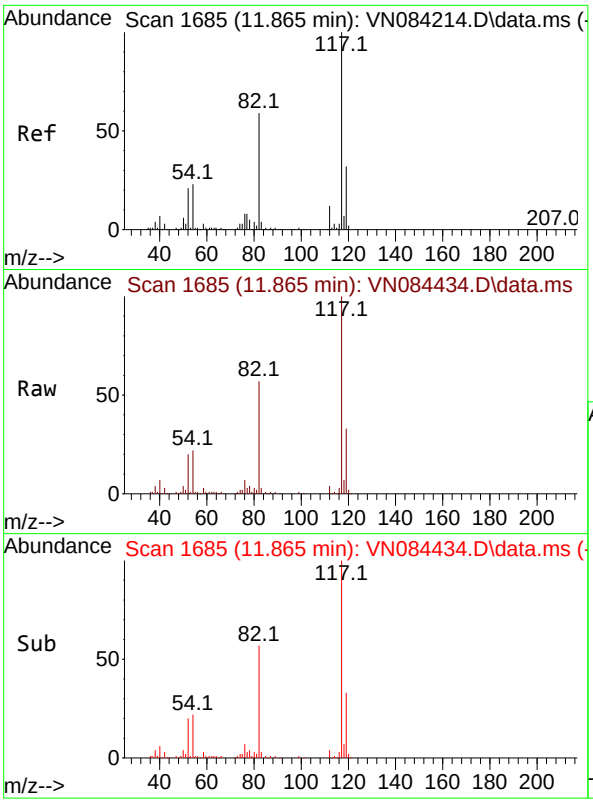


#62
4-Bromofluorobenzene
Concen: 52.449 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 95 Resp: 129081

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.7	0.0	140.0

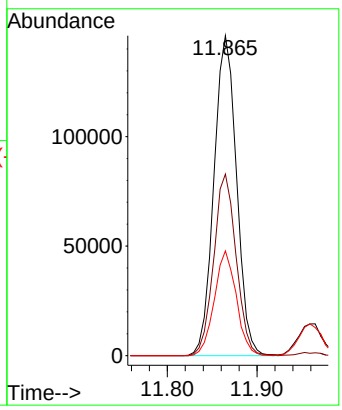




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:117 Resp: 25567

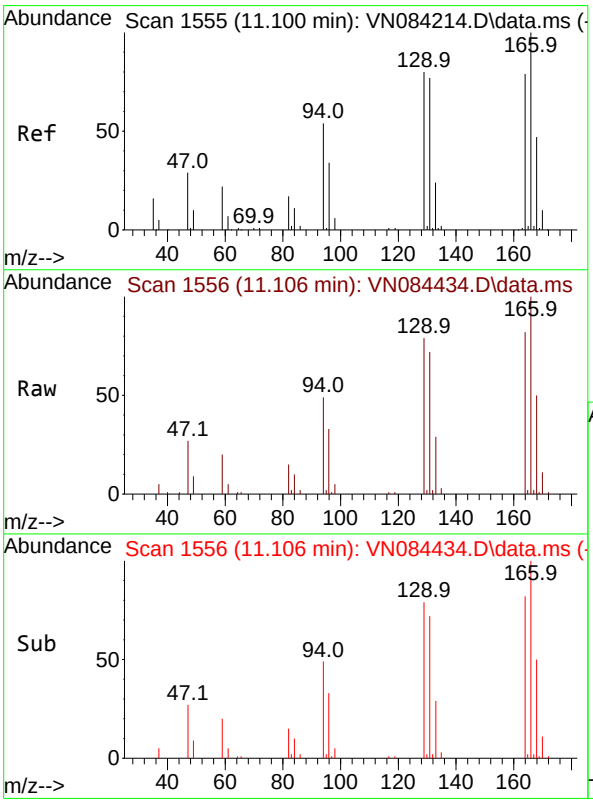
Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

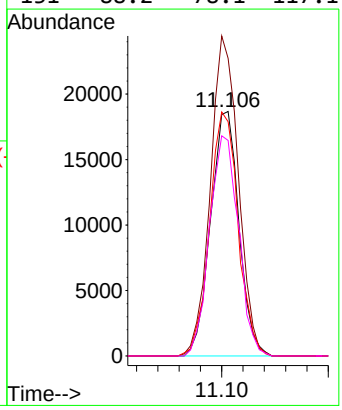
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

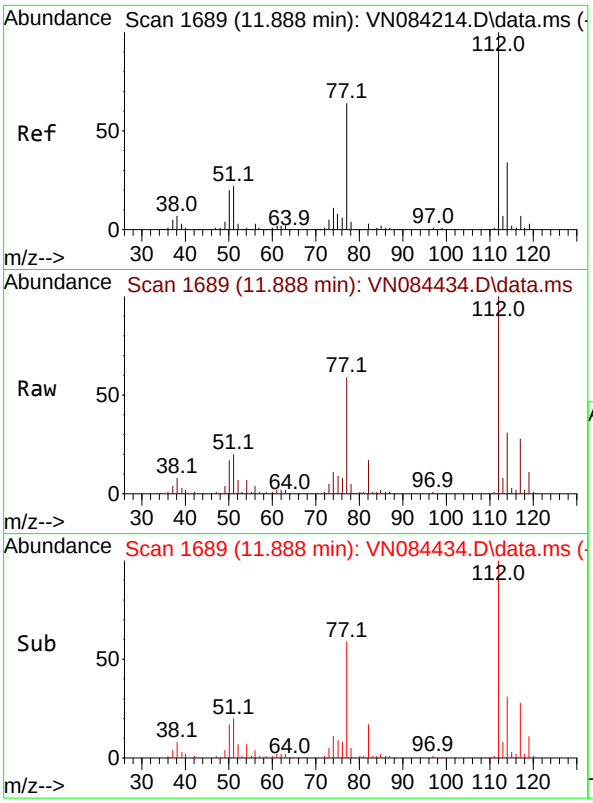


#64
Tetrachloroethene
Concen: 19.288 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:164 Resp: 34348

Ion	Ratio	Lower	Upper
164	100		
166	121.7	101.0	151.4
129	95.8	80.8	121.2
131	88.2	78.1	117.1

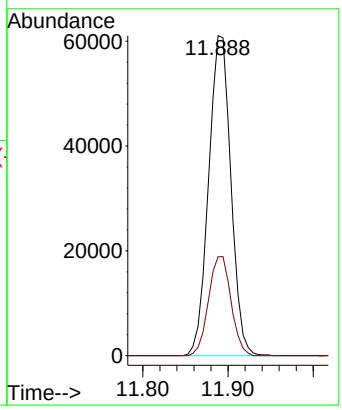




#65
Chlorobenzene
Concen: 19.535 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:112 Resp: 11073

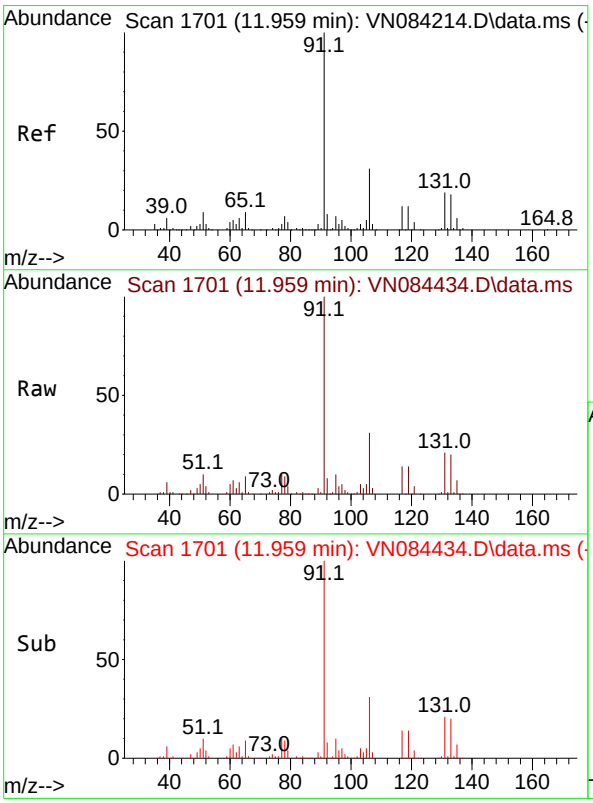
Ion	Ratio	Lower	Upper
112	100		
114	30.9	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

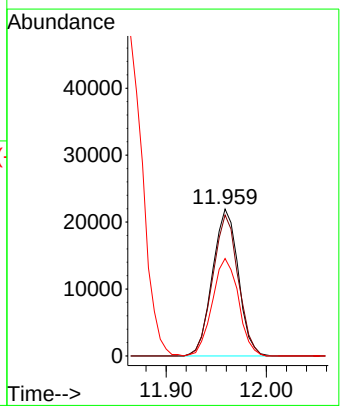
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

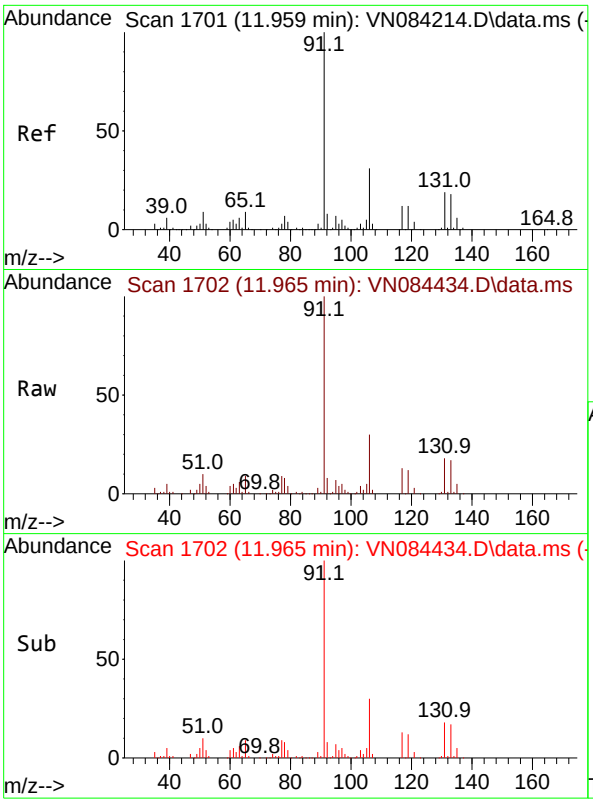


#66
1,1,1,2-Tetrachloroethane
Concen: 20.071 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:131 Resp: 39189

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.7
119	67.4	32.8	98.3





#67
Ethyl Benzene
Concen: 18.360 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

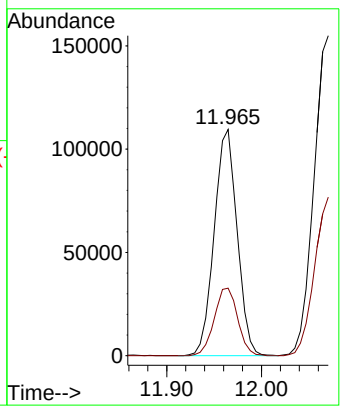
Tgt Ion: 91 Resp: 18405

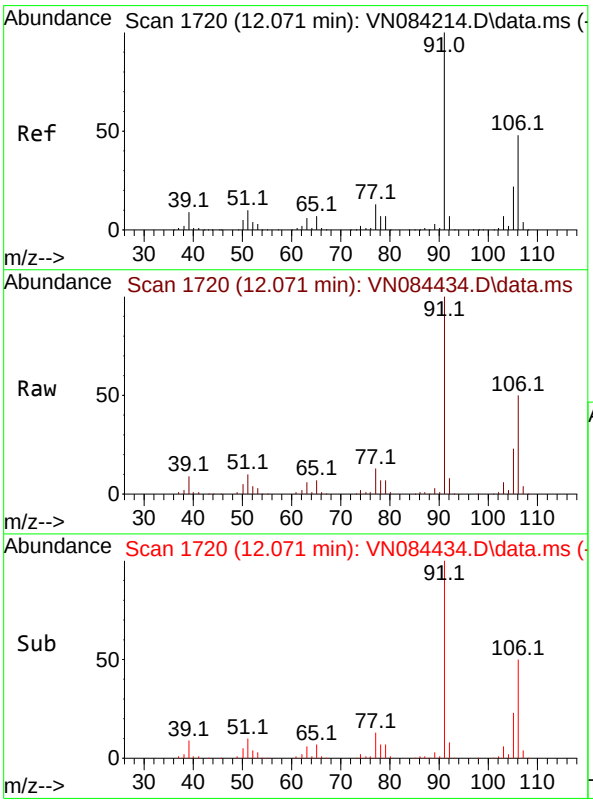
Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

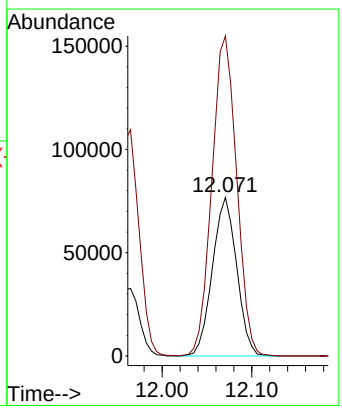


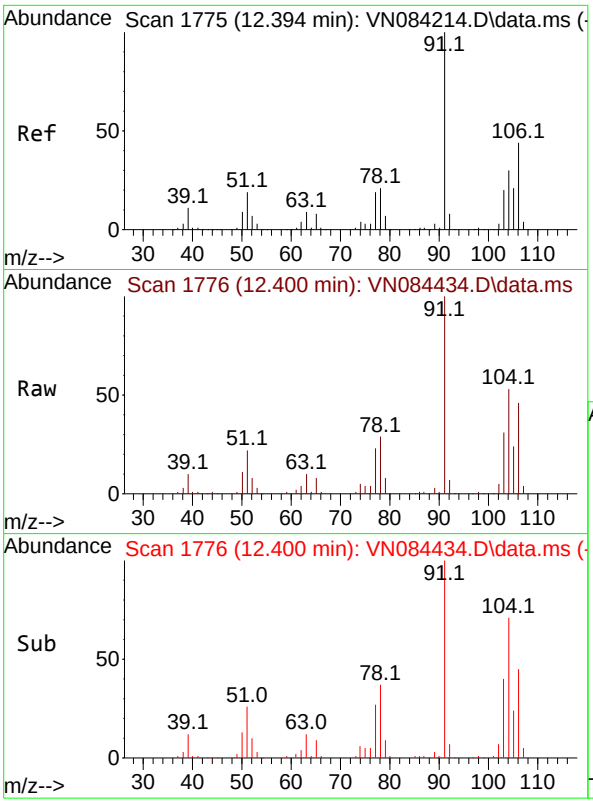


#68
m/p-Xylenes
Concen: 38.843 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:106 Resp: 144045

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7

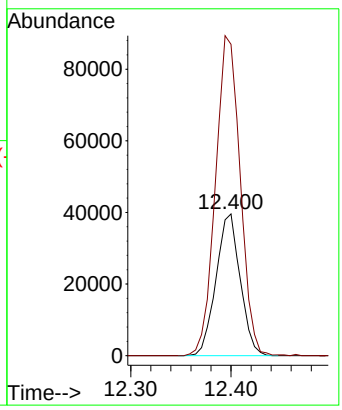




#69
o-Xylene
Concen: 18.841 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:106 Resp: 6610

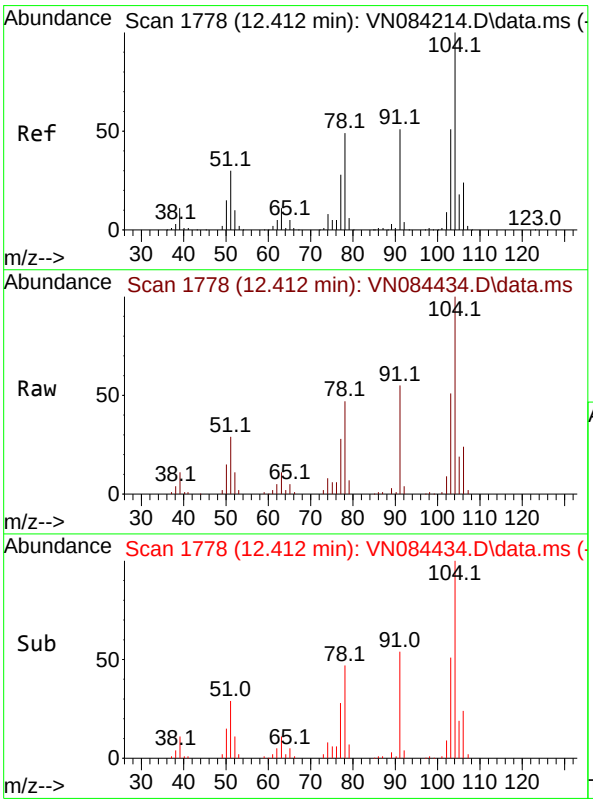
Ion	Ratio	Lower	Upper
106	100		
91	230.9	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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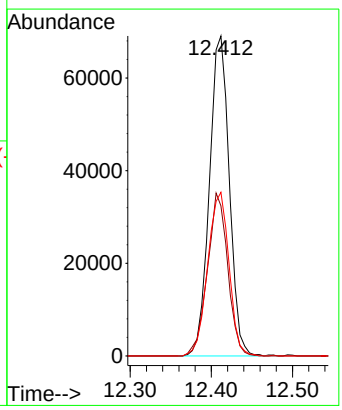
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

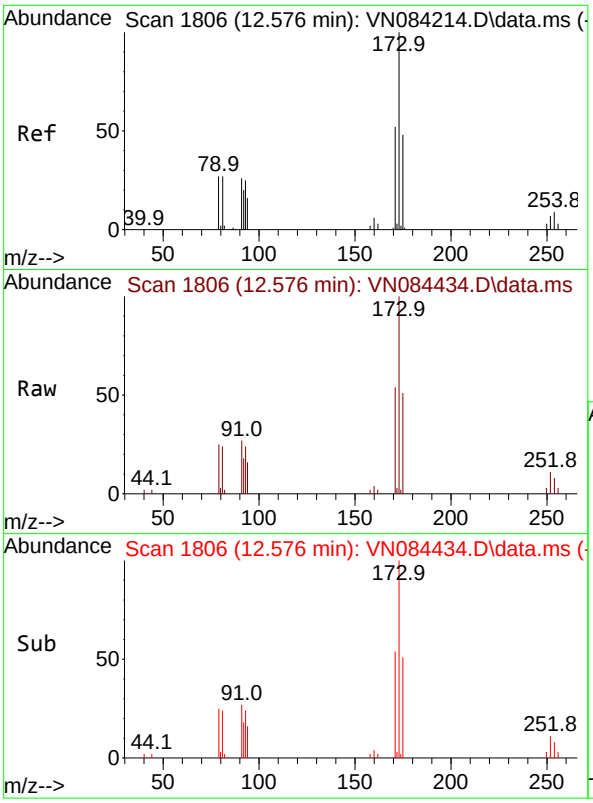


#70
Styrene
Concen: 19.814 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:104 Resp: 117753

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.7	64.1
103	54.6	43.6	65.4

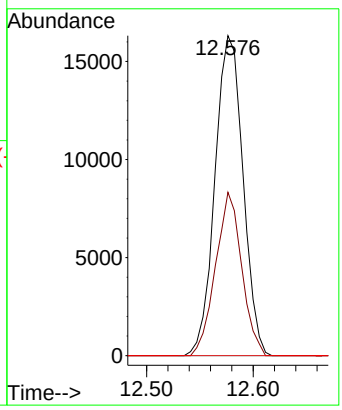




#71
Bromoform
Concen: 20.747 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:173 Resp: 2982

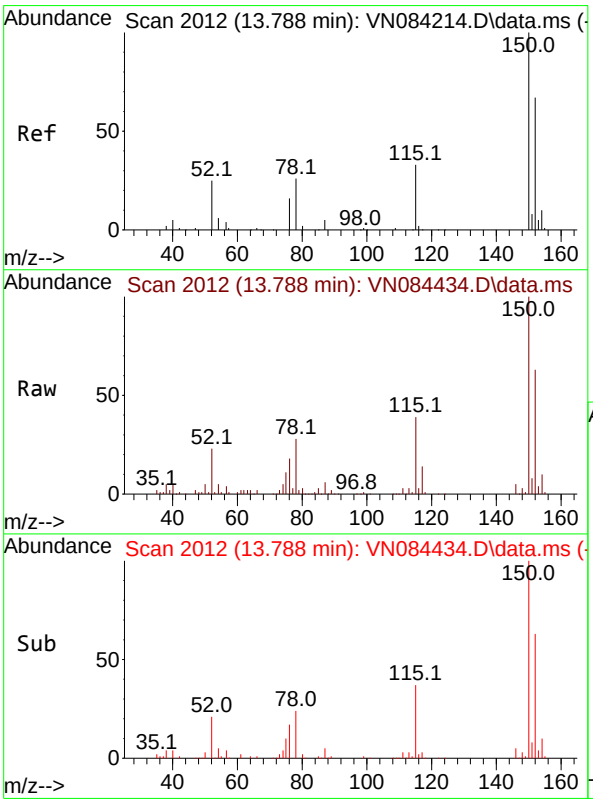
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

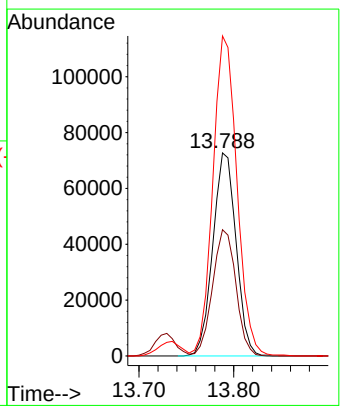
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

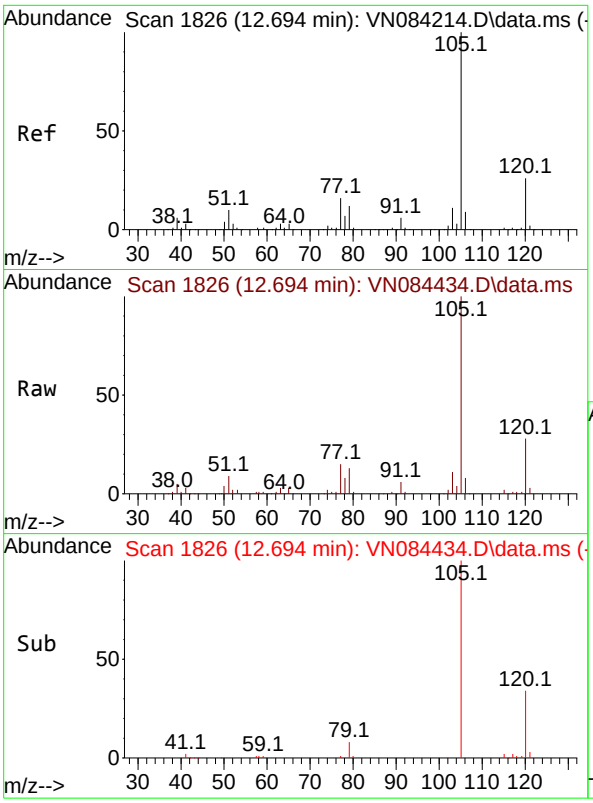


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:152 Resp: 124118

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	163.2	0.0	349.8

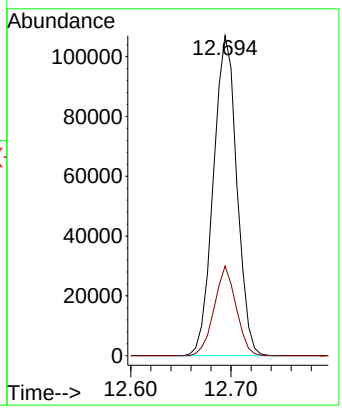




#73
Isopropylbenzene
Concen: 18.352 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:105 Resp: 17382

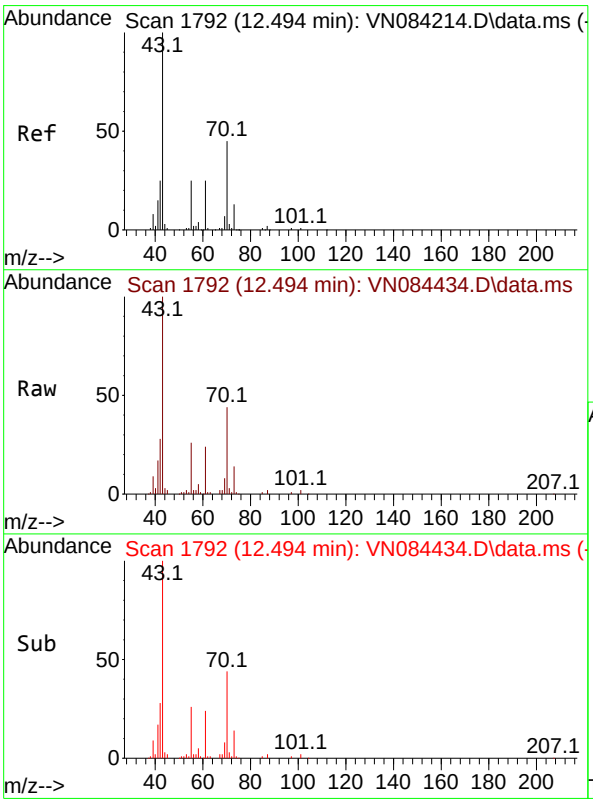
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

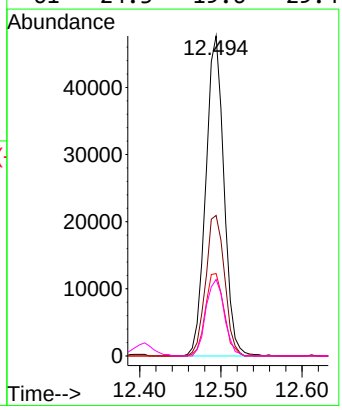
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

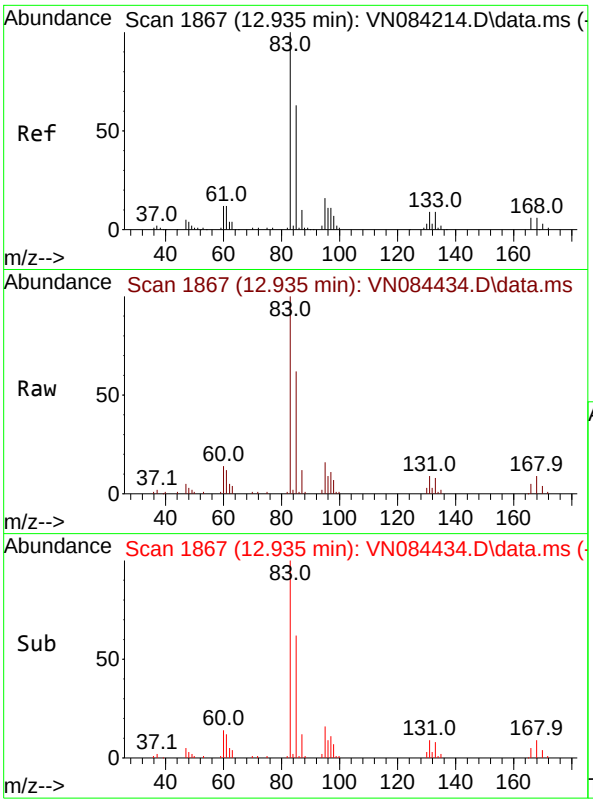


#74
N-amyl acetate
Concen: 17.252 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 73994

Ion	Ratio	Lower	Upper
43	100		
70	45.7	34.4	51.6
55	26.6	19.6	29.4
61	24.3	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

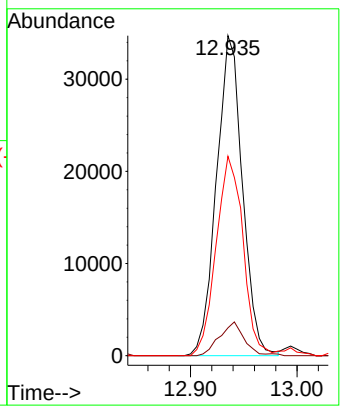
Tgt Ion: 83 Resp: 5874

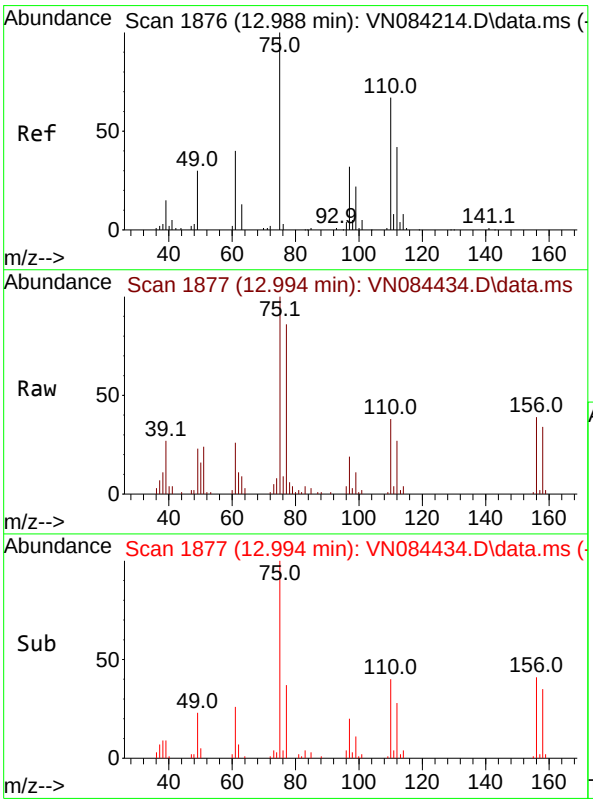
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.3	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

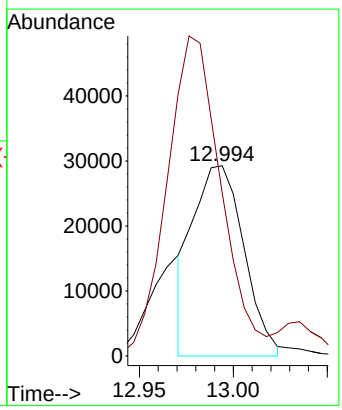


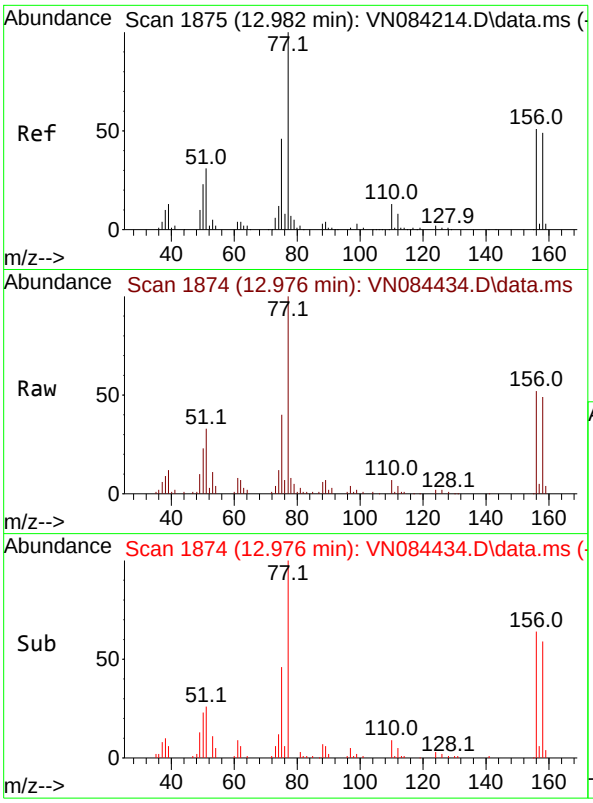


#76
1,2,3-Trichloropropane
Concen: 21.797 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 55231

Ion	Ratio	Lower	Upper
75	100		
77	177.9	96.9	290.7

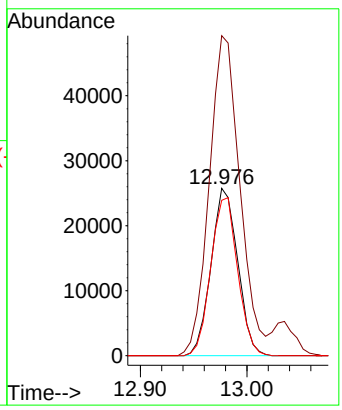




#77
Bromobenzene
Concen: 19.574 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:156 Resp: 4471

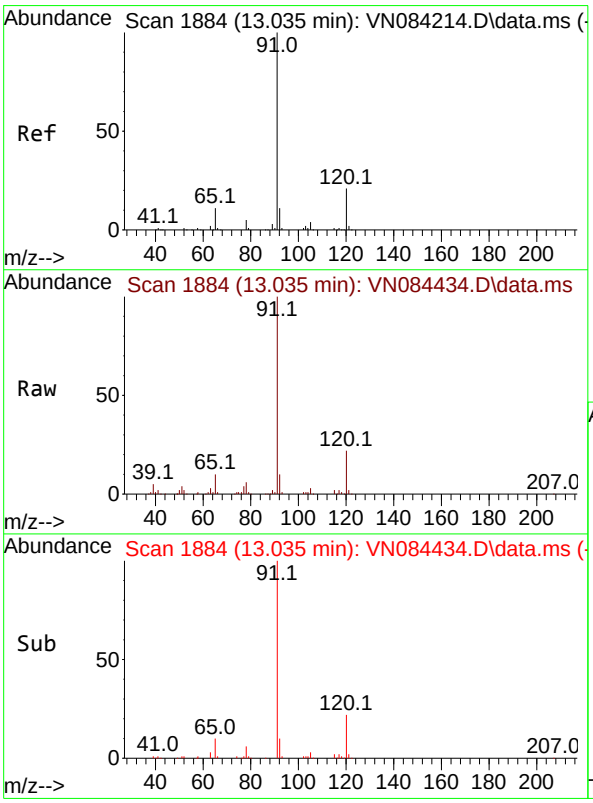
Ion	Ratio	Lower	Upper
156	100		
77	219.8	115.1	345.3
158	95.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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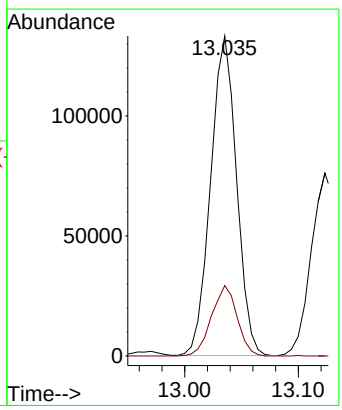
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

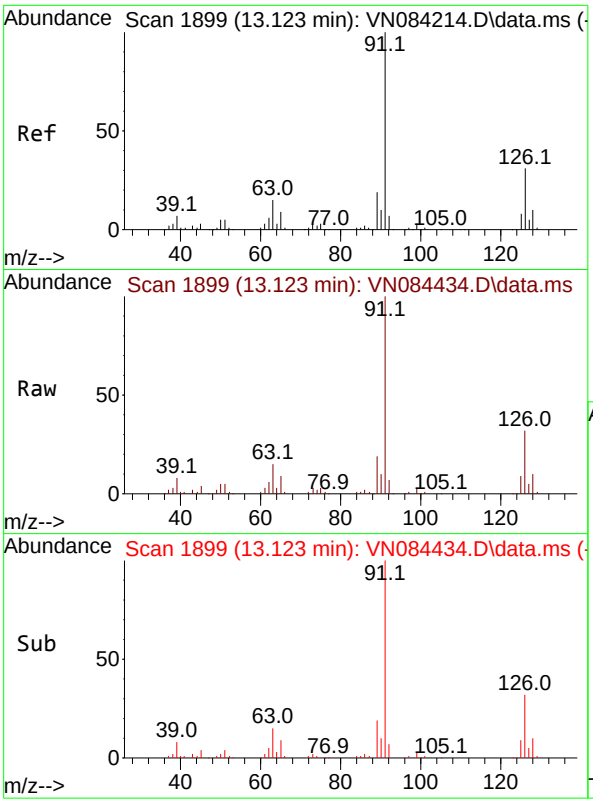


#78
n-propylbenzene
Concen: 19.226 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 91 Resp: 210981

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

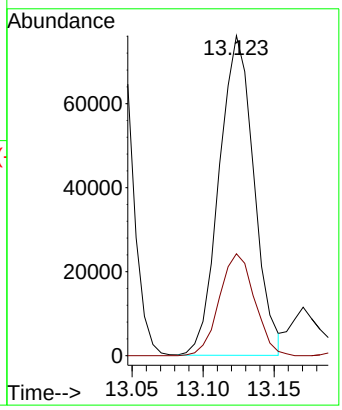




#79
2-Chlorotoluene
Concen: 18.511 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 91 Resp: 12962

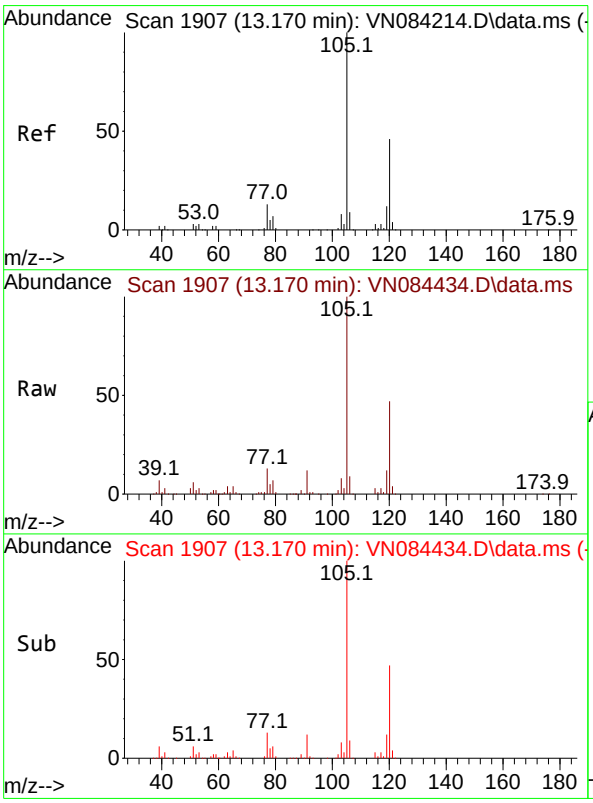
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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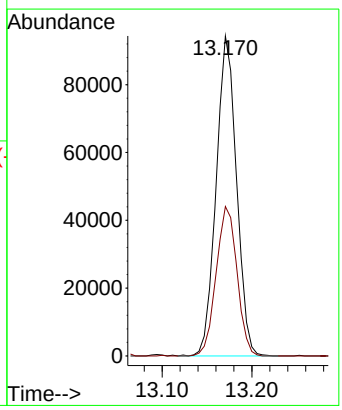
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

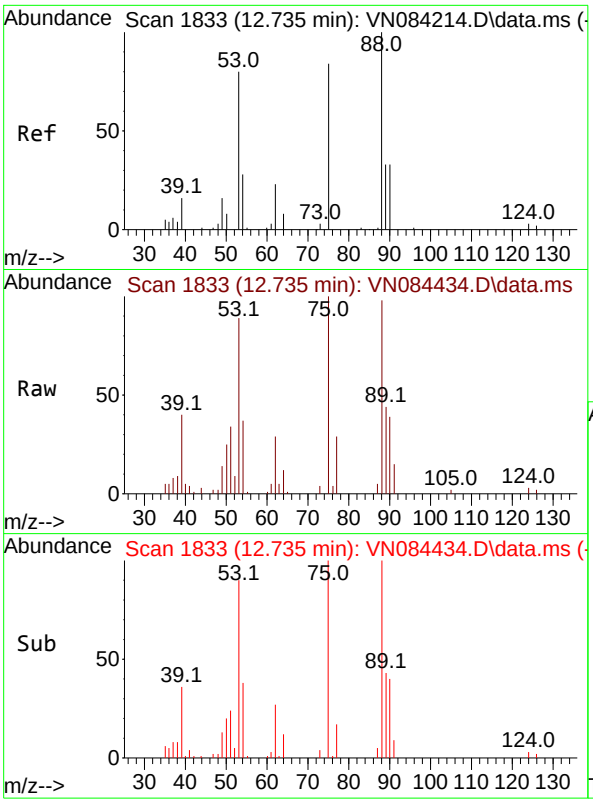


#80
1,3,5-Trimethylbenzene
Concen: 19.217 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:105 Resp: 148466

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.7	71.1

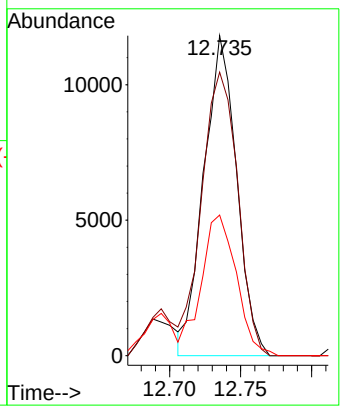




#81
trans-1,4-Dichloro-2-butene
Concen: 17.919 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 1893

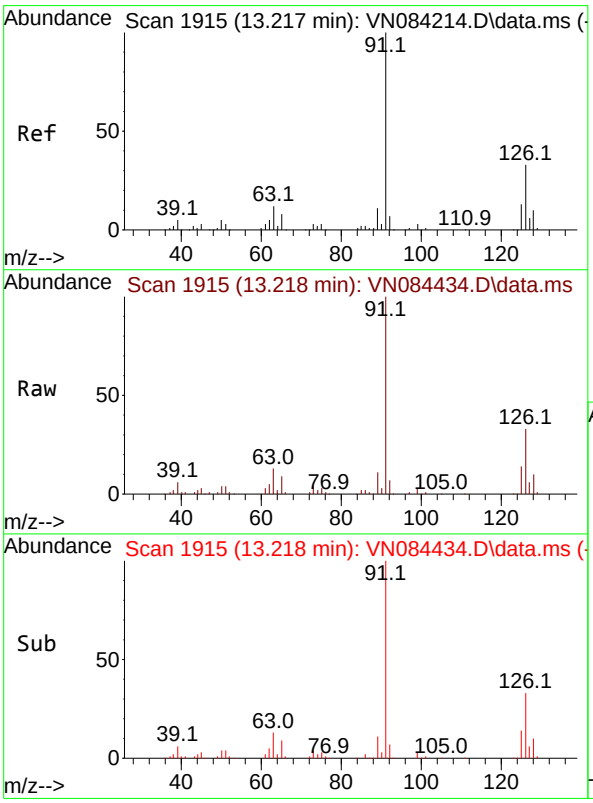
Ion	Ratio	Lower	Upper
75	100		
53	97.4	78.0	117.0
89	47.3	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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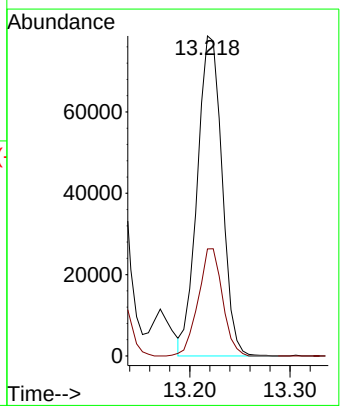
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

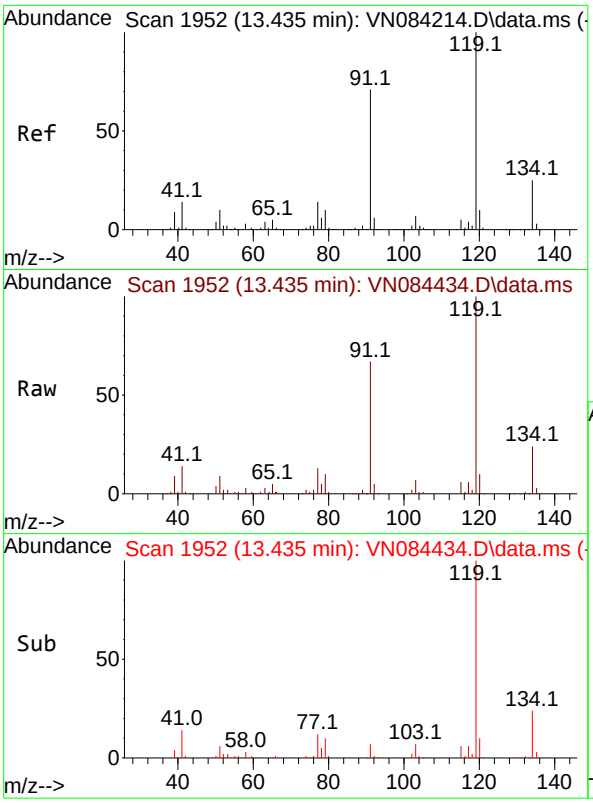


#82
4-Chlorotoluene
Concen: 19.198 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 91 Resp: 135329

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1

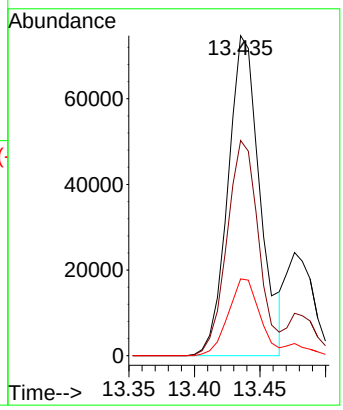




#83
tert-Butylbenzene
Concen: 18.464 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:119 Resp: 12678

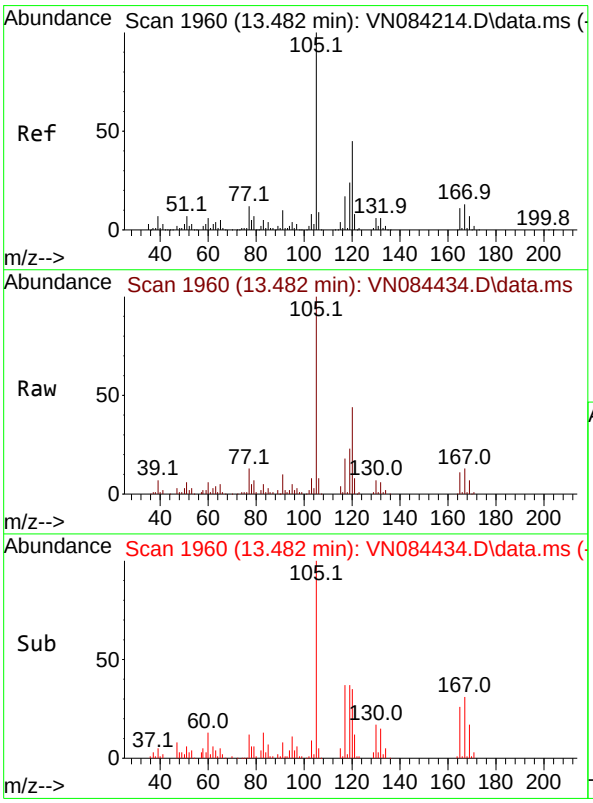
Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.1	102.3
134	23.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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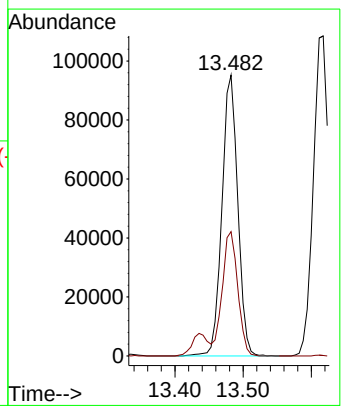
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

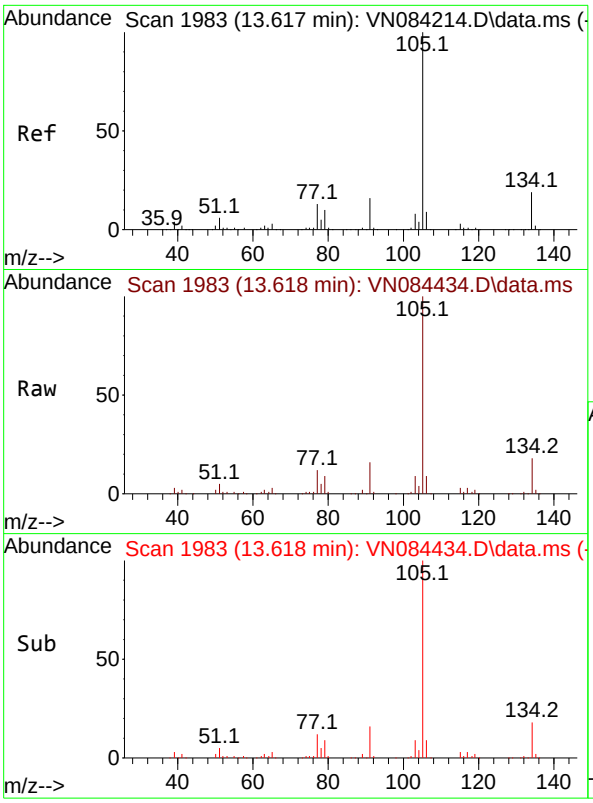


#84
1,2,4-Trimethylbenzene
Concen: 19.745 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:105 Resp: 153677

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

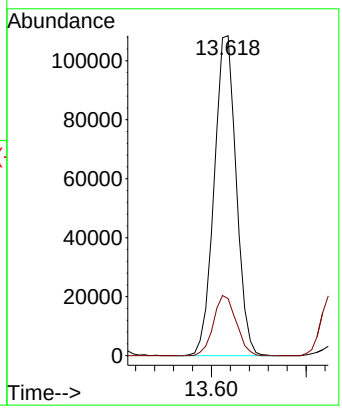




#85
sec-Butylbenzene
Concen: 19.162 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:105 Resp: 17558

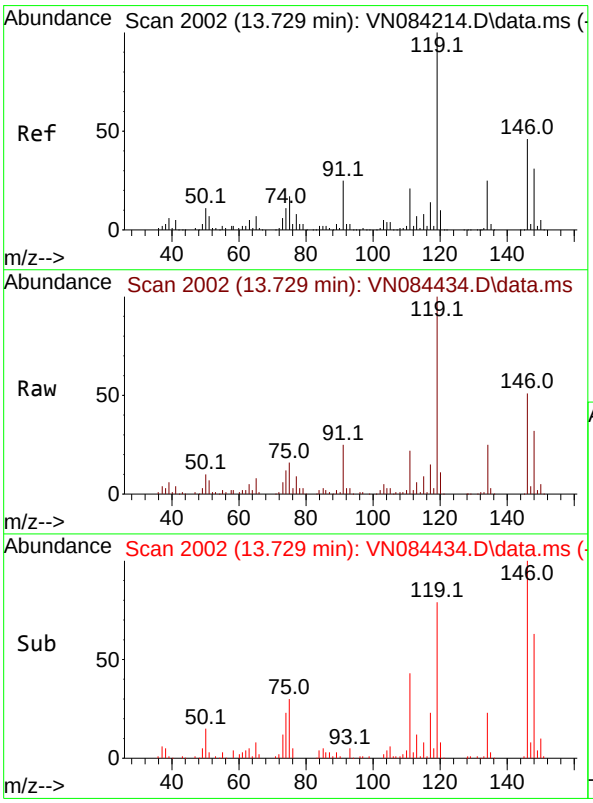
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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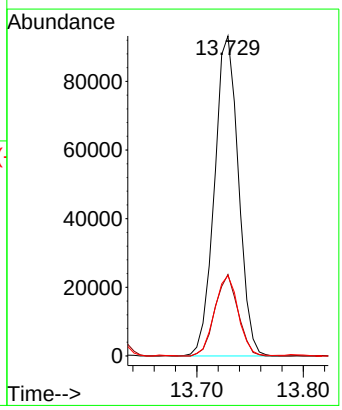
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

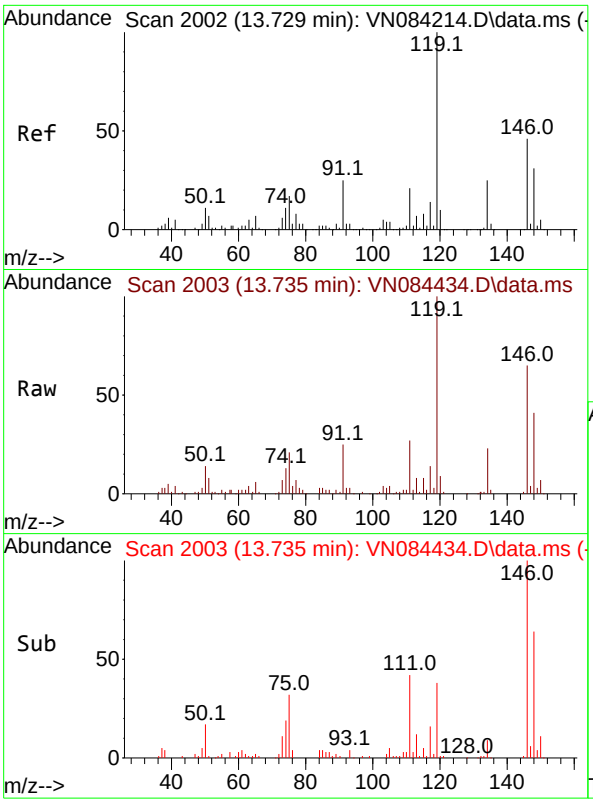


#86
p-Isopropyltoluene
Concen: 19.220 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:119 Resp: 145633

Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.6	37.8
91	24.9	12.4	37.2

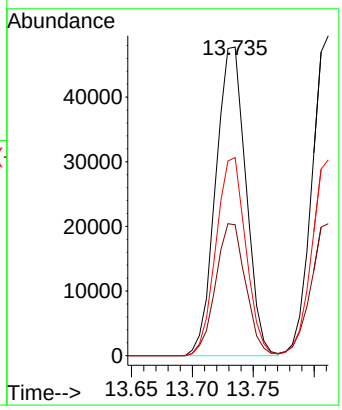




#87
1,3-Dichlorobenzene
Concen: 19.262 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:146 Resp: 8255

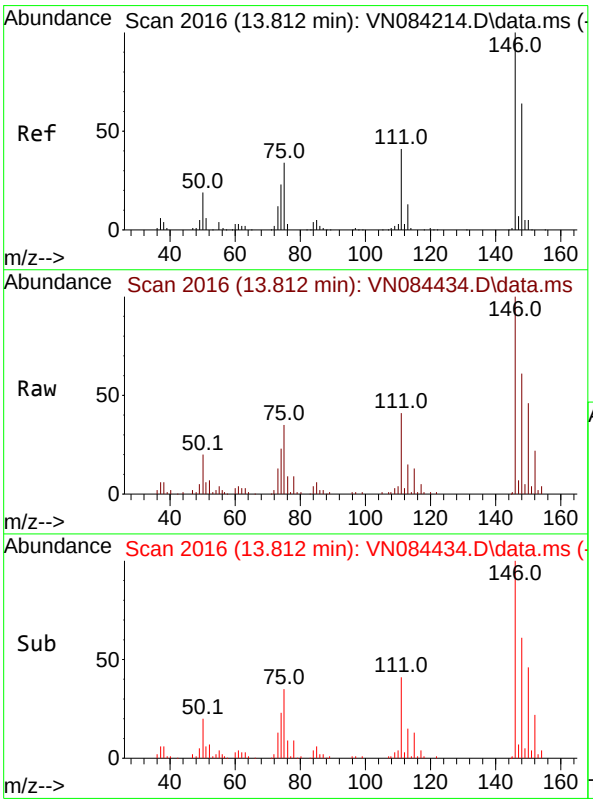
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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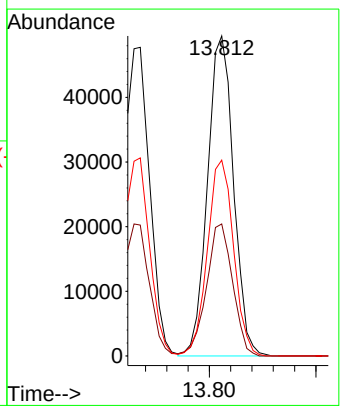
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

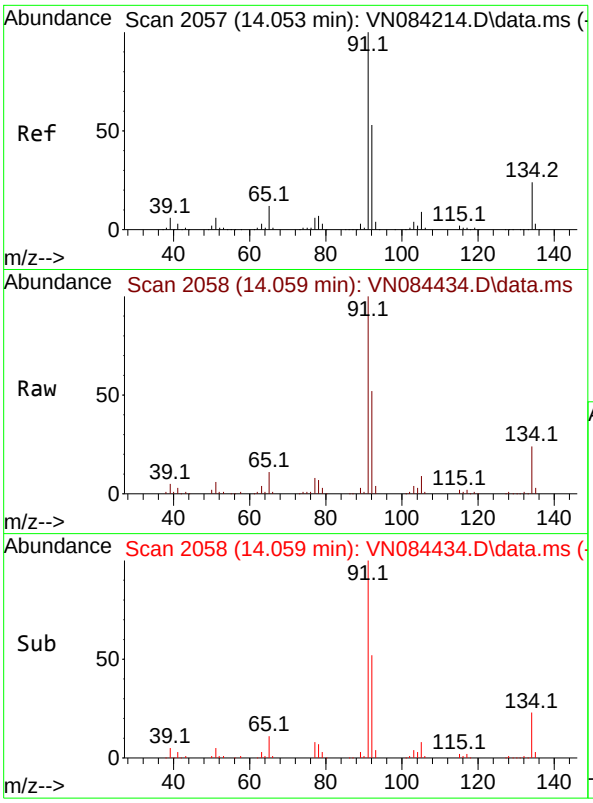


#88
1,4-Dichlorobenzene
Concen: 19.359 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:146 Resp: 83788

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	61.8	31.9	95.9





#89
n-Butylbenzene
Concen: 17.758 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

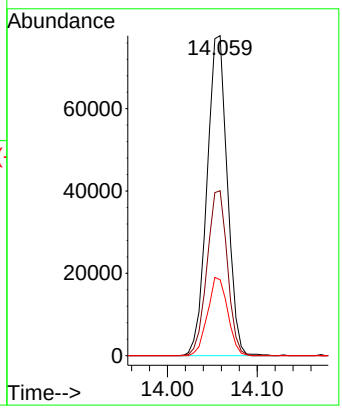
Tgt Ion: 91 Resp: 12201

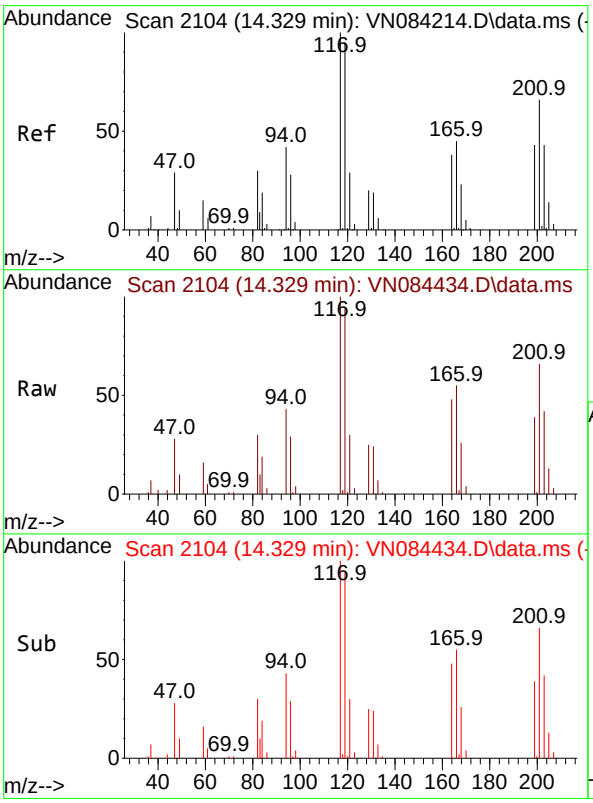
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.6	79.7
134	24.3	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

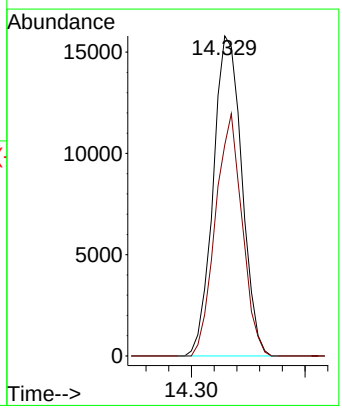


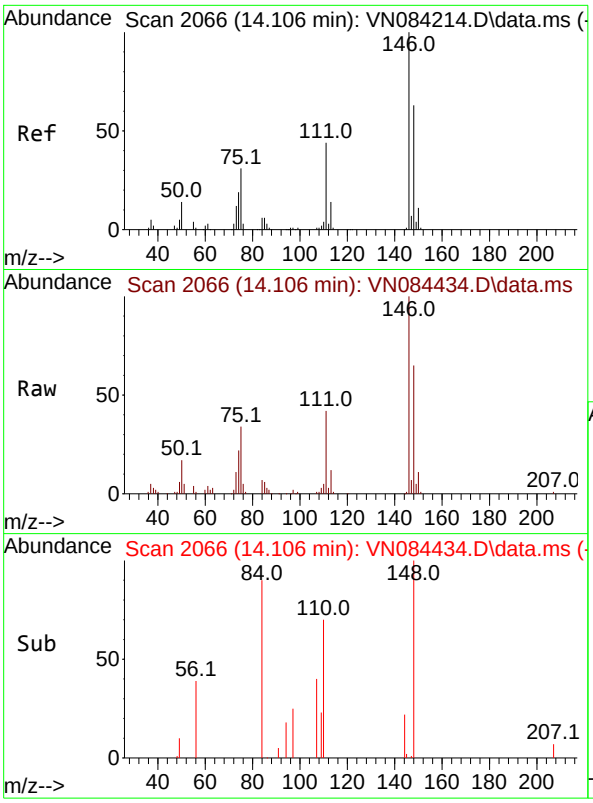


#90
Hexachloroethane
Concen: 17.982 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:117 Resp: 27657

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2

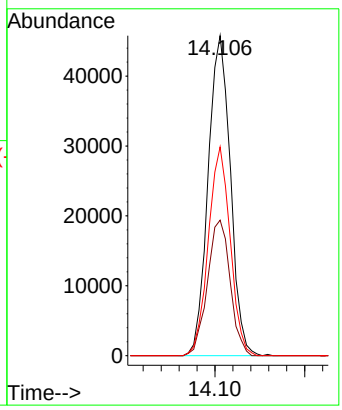




#91
1,2-Dichlorobenzene
Concen: 18.770 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:146 Resp: 7888

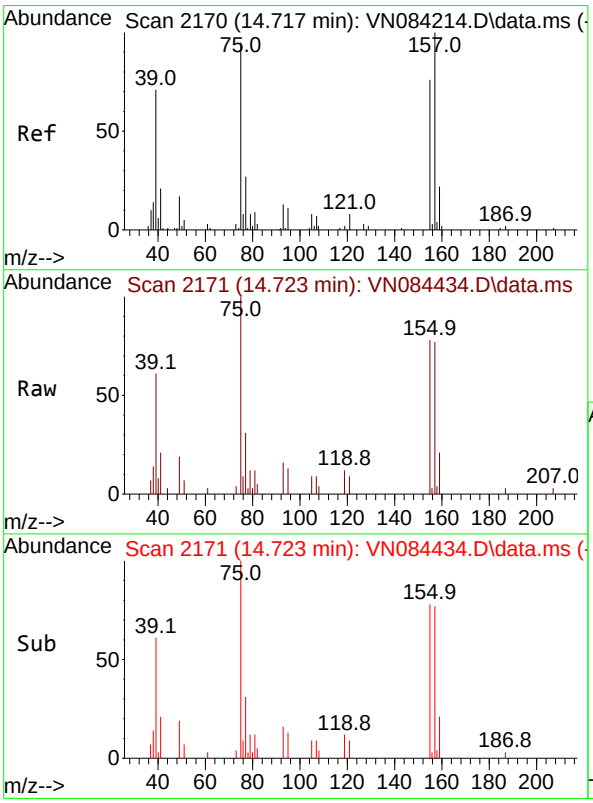
Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	64.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

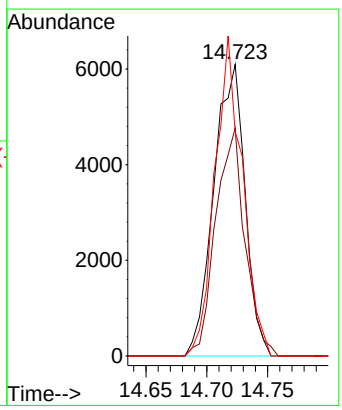
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

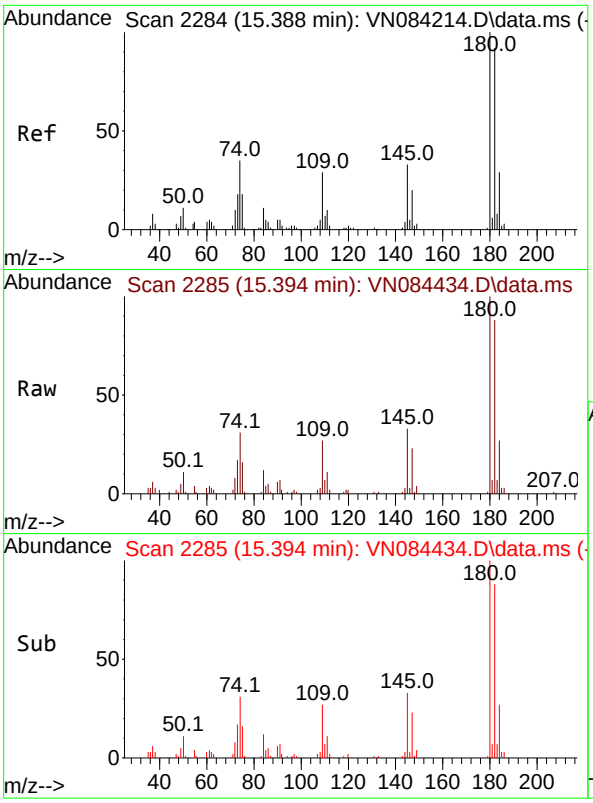


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.515 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 10881

Ion	Ratio	Lower	Upper
75	100		
155	73.3	38.1	114.5
157	96.3	49.6	149.0

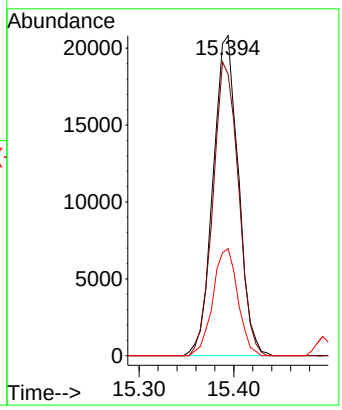




#93
1,2,4-Trichlorobenzene
Concen: 18.655 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:180 Resp: 3861

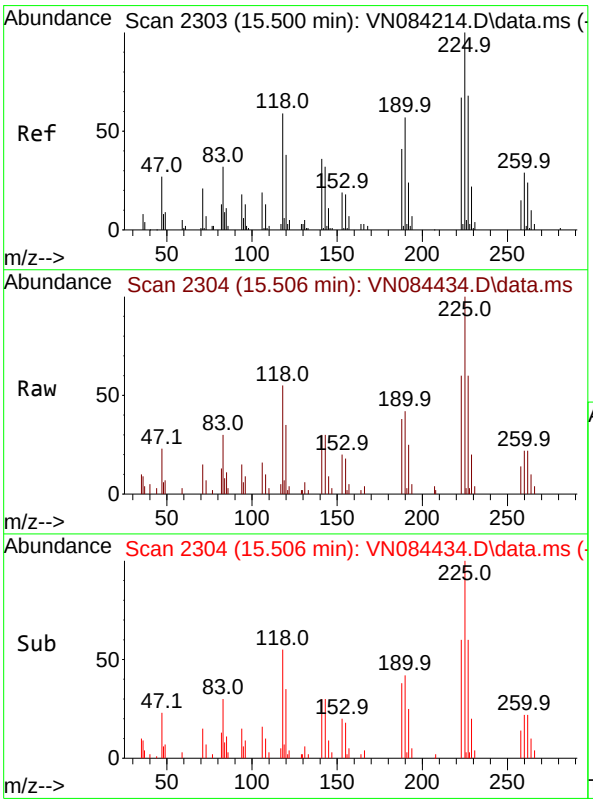
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	33.0	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

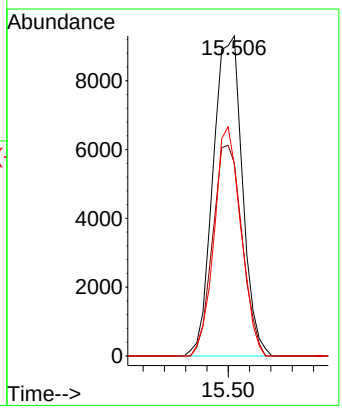
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

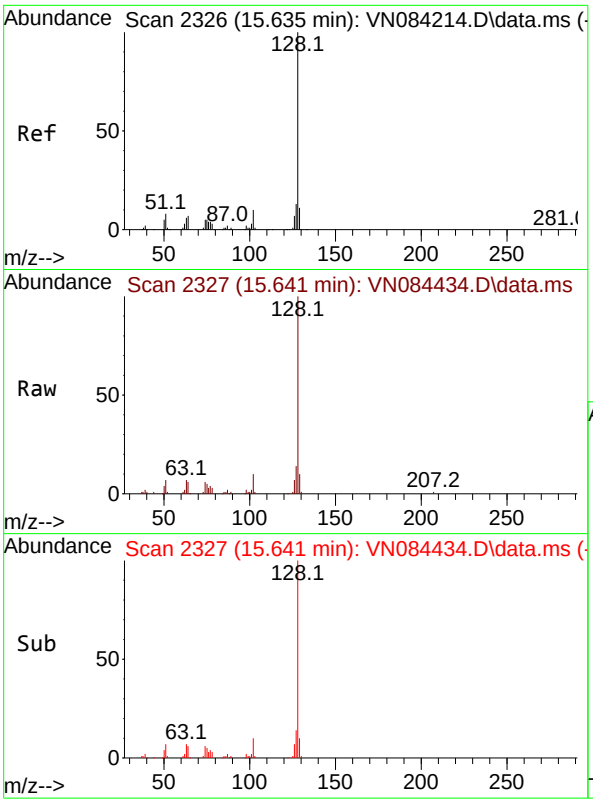


#94
Hexachlorobutadiene
Concen: 17.175 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:225 Resp: 17729

Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.4	97.2
227	65.3	32.4	97.0

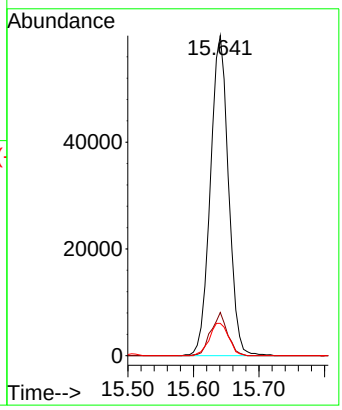




#95
Naphthalene
Concen: 16.767 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:128 Resp: 11506

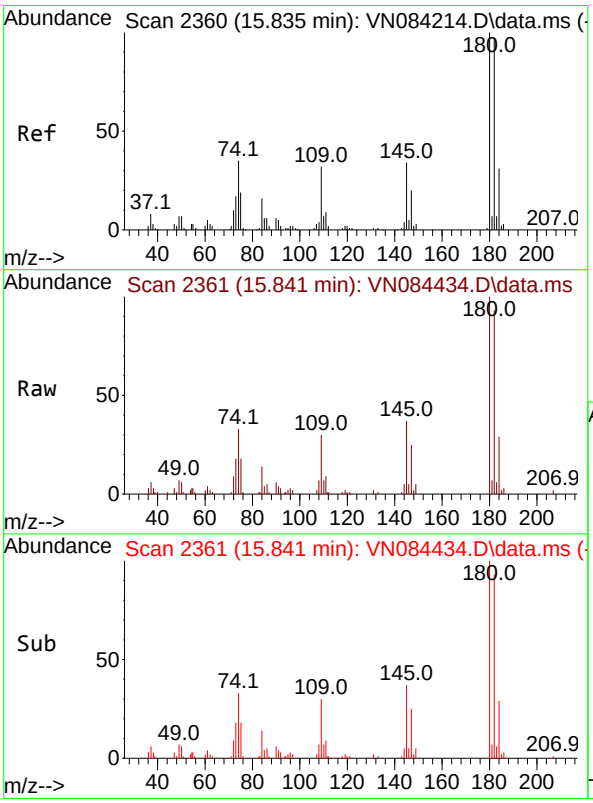
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations
APPROVED

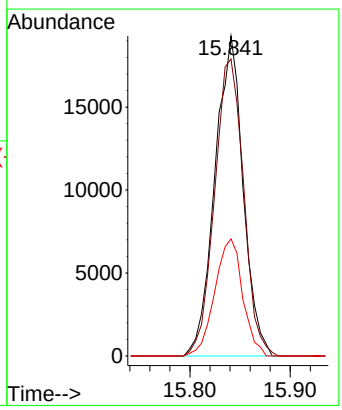
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



#96
1,2,3-Trichlorobenzene
Concen: 18.175 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:180 Resp: 37660

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.2	144.6
145	36.1	17.3	51.9



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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
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:	vn102124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084428.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:28 AM	MMDadoda	10/22/2024 3:37:06 PM	Peak Integrated by Software
VN1021WBS01	VN084433.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:37 AM	MMDadoda	10/22/2024 3:37:07 PM	Peak Integrated by Software
VN1021WBSD01	VN084434.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:41 AM	MMDadoda	10/22/2024 3:37:09 PM	Peak Integrated by Software
VSTDCCC050	VN084448.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:59 AM	MMDadoda	10/22/2024 3:37:13 PM	Peak Integrated by Software

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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	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 # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084427.D	21 Oct 2024 11:14	JC\MD	Ok
2	VSTDCCC050	VN084428.D	21 Oct 2024 11:38	JC\MD	Ok,M
3	VN1021MBL01	VN084429.D	21 Oct 2024 12:12	JC\MD	Ok
4	VN1021WBL01	VN084430.D	21 Oct 2024 12:36	JC\MD	Ok
5	VN1021MBS01	VN084431.D	21 Oct 2024 13:00	JC\MD	Not Ok
6	P4417-04	VN084432.D	21 Oct 2024 13:24	JC\MD	Ok
7	VN1021WBS01	VN084433.D	21 Oct 2024 13:48	JC\MD	Ok,M
8	VN1021WBSD01	VN084434.D	21 Oct 2024 14:22	JC\MD	Ok,M
9	P4438-03	VN084435.D	21 Oct 2024 14:53	JC\MD	Ok
10	P4438-01	VN084436.D	21 Oct 2024 15:17	JC\MD	Ok
11	P4440-02	VN084437.D	21 Oct 2024 15:41	JC\MD	Ok
12	P4438-02	VN084438.D	21 Oct 2024 16:05	JC\MD	Ok
13	P4438-04	VN084439.D	21 Oct 2024 16:29	JC\MD	Ok
14	P4438-05	VN084440.D	21 Oct 2024 16:53	JC\MD	Ok
15	P4438-06	VN084441.D	21 Oct 2024 17:17	JC\MD	Ok
16	P4438-07	VN084442.D	21 Oct 2024 17:40	JC\MD	Ok
17	P4440-01	VN084443.D	21 Oct 2024 18:04	JC\MD	Ok
18	P4471-03	VN084444.D	21 Oct 2024 18:28	JC\MD	Ok
19	P4460-05	VN084445.D	21 Oct 2024 18:52	JC\MD	Ok
20	P4460-06	VN084446.D	21 Oct 2024 19:16	JC\MD	Ok
21	VN1021MBS02	VN084447.D	21 Oct 2024 19:40	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VN084448.D	21 Oct 2024 20:04	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 # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084427.D	21 Oct 2024 11:14		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084428.D	21 Oct 2024 11:38	V13516	JC\MD	Ok,M
3	VN1021MBL01	VN1021MBL01	VN084429.D	21 Oct 2024 12:12		JC\MD	Ok
4	VN1021WBL01	VN1021WBL01	VN084430.D	21 Oct 2024 12:36		JC\MD	Ok
5	VN1021MBS01	VN1021MBS01	VN084431.D	21 Oct 2024 13:00	Recovery failed	JC\MD	Not Ok
6	P4417-04	HOPPER-B-SOLID	VN084432.D	21 Oct 2024 13:24		JC\MD	Ok
7	VN1021WBS01	VN1021WBS01	VN084433.D	21 Oct 2024 13:48		JC\MD	Ok,M
8	VN1021WBSD01	VN1021WBSD01	VN084434.D	21 Oct 2024 14:22		JC\MD	Ok,M
9	P4438-03	VPB190-HYD-2024101	VN084435.D	21 Oct 2024 14:53	vial B pH<2	JC\MD	Ok
10	P4438-01	BP-VPB-190-TB-20241	VN084436.D	21 Oct 2024 15:17	vial B pH<2 TB	JC\MD	Ok
11	P4440-02	BPOW6-11-TB-202410	VN084437.D	21 Oct 2024 15:41	vial B pH<2 TB	JC\MD	Ok
12	P4438-02	BP-VPB-190-EB-20241	VN084438.D	21 Oct 2024 16:05	vial B pH<2 EB	JC\MD	Ok
13	P4438-04	BP-VPB-190-GW-58-60	VN084439.D	21 Oct 2024 16:29	vial B pH<2	JC\MD	Ok
14	P4438-05	BP-VPB-190-GW-98-10	VN084440.D	21 Oct 2024 16:53	vial B pH<2	JC\MD	Ok
15	P4438-06	BP-VPB-190-GW-158-1	VN084441.D	21 Oct 2024 17:17	vial B pH<2	JC\MD	Ok
16	P4438-07	BP-VPB-190-GW-198-2	VN084442.D	21 Oct 2024 17:40	vial B pH<2	JC\MD	Ok
17	P4440-01	BPOW6-11-HYD-20241	VN084443.D	21 Oct 2024 18:04	vial B pH<2	JC\MD	Ok
18	P4471-03	TB100824	VN084444.D	21 Oct 2024 18:28	vial A pH<2 TB	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-05	TB-10182024	VN084445.D	21 Oct 2024 18:52	vial A pH<2 TB	JC\MD	Ok
20	P4460-06	WB-303-SW	VN084446.D	21 Oct 2024 19:16	vial A pH<2	JC\MD	Ok
21	VN1021MBS02	VN1021MBS02	VN084447.D	21 Oct 2024 19:40		JC\MD	Ok,M
22	VSTDCCC050	VSTDCCC050EC	VN084448.D	21 Oct 2024 20:04		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P4438

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vn102124,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130314,VP130430,VP130836,VP130983,VP130986,VP130987,

Chemical ID :
V12794,V12798,V13390,V13444,V13462,V13463,V13707,V13804,V13806,V14018,V14019,V14108,V14145,V14147,V14148,V14171,V14172,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
589	BFB TUNE CHECK	VP130983	10/21/2024	10/22/2024	John Carlone	None	None	Mahesh Dadoda 10/23/2024

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	VP130986	10/21/2024	10/22/2024	John Carlone	None	None	Mahesh Dadoda 10/23/2024

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
620	50 PPB CCC, 8260-Water	VP130987	10/21/2024	10/22/2024	John Carlone	None	None	Mahesh Dadoda 10/23/2024

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	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 #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14212

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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	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14548

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

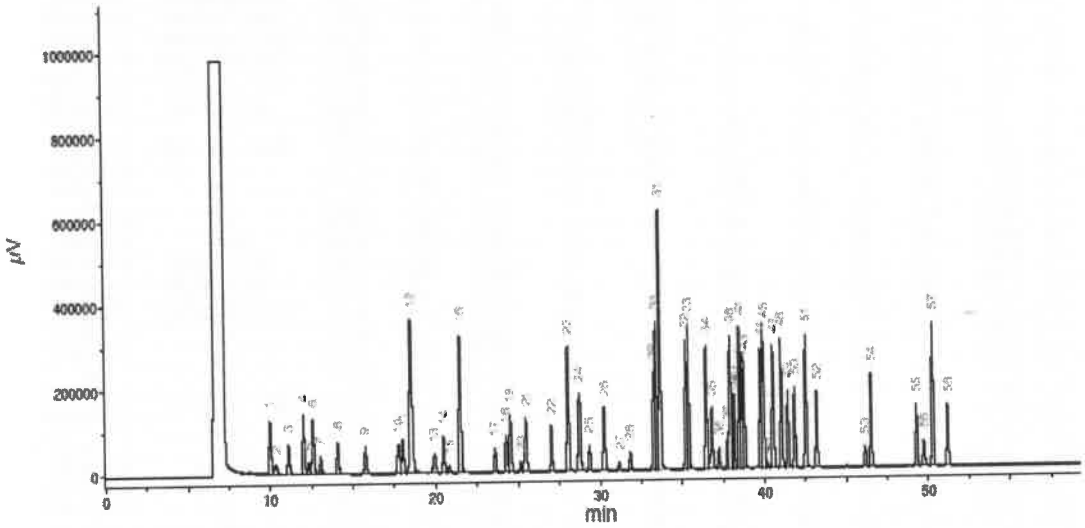
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(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)	SHBF6718V	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.

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): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty
		5E-05	Balance Uncertainty

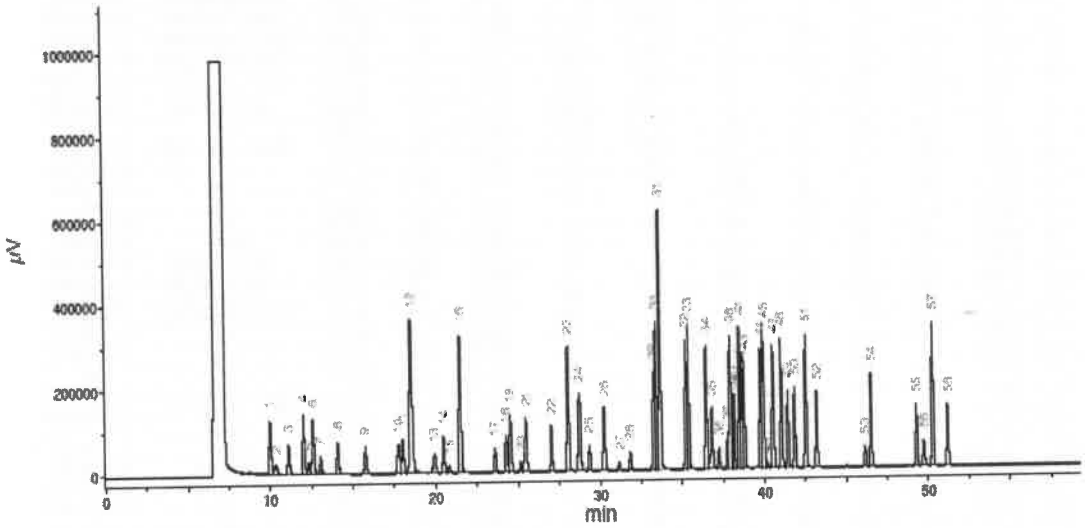
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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.
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Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

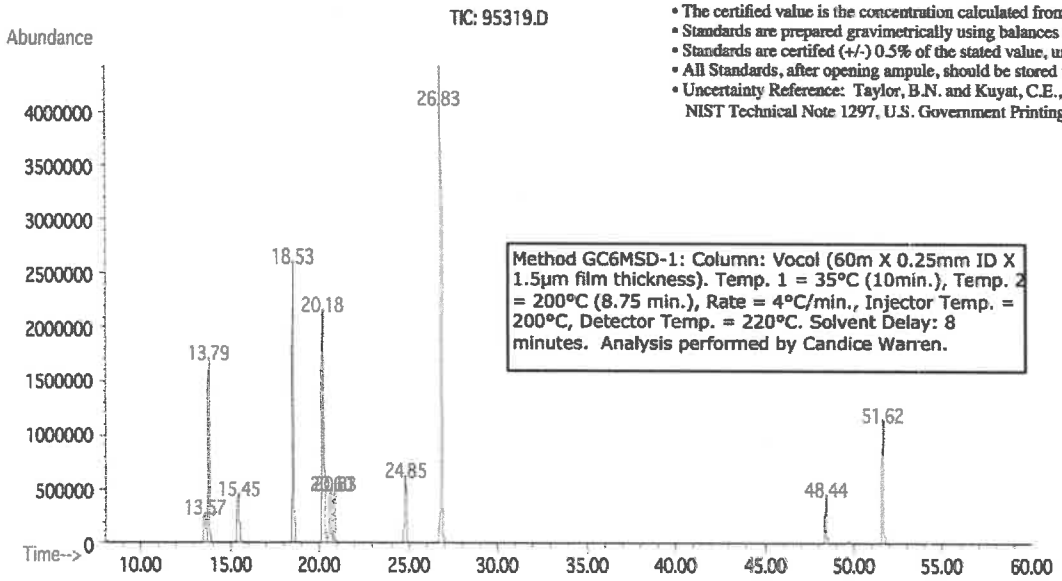
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By: Prashant Chauhan	032922 DATE
Reviewed By: Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

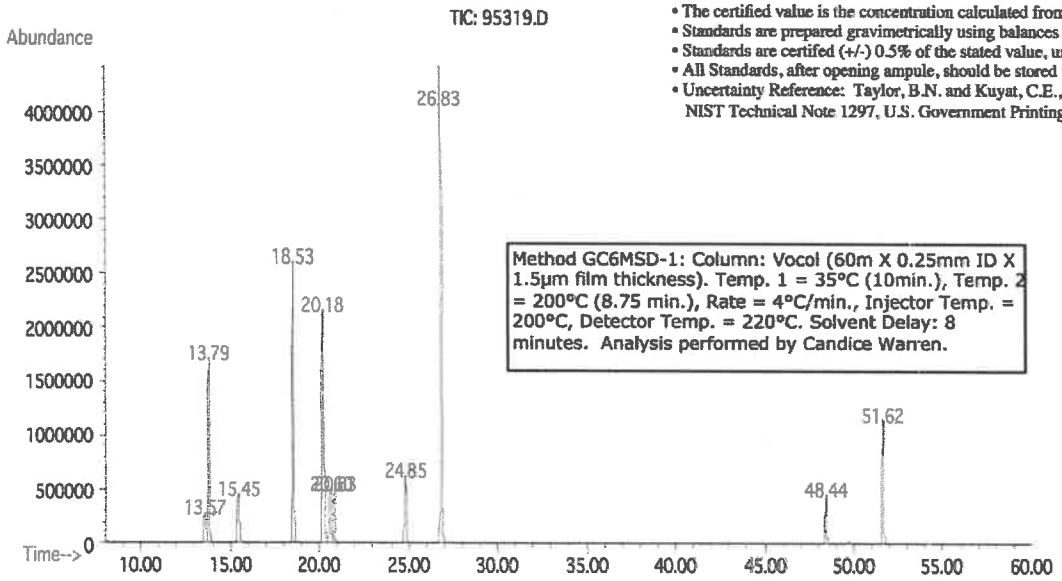
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By: Prashant Chauhan	032922 DATE
Reviewed By: Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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

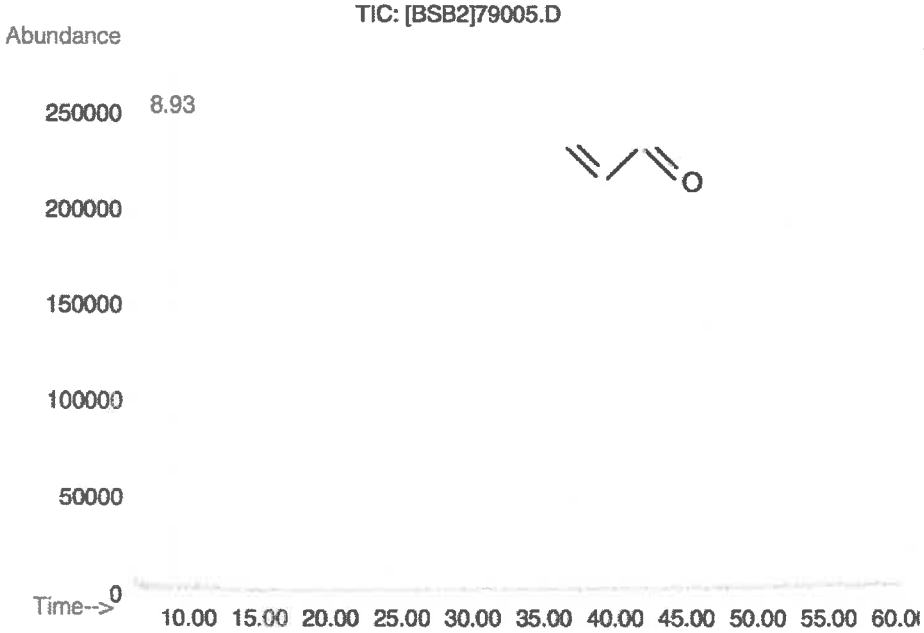
Solvent(s): **Lot#**
Water 072324Q

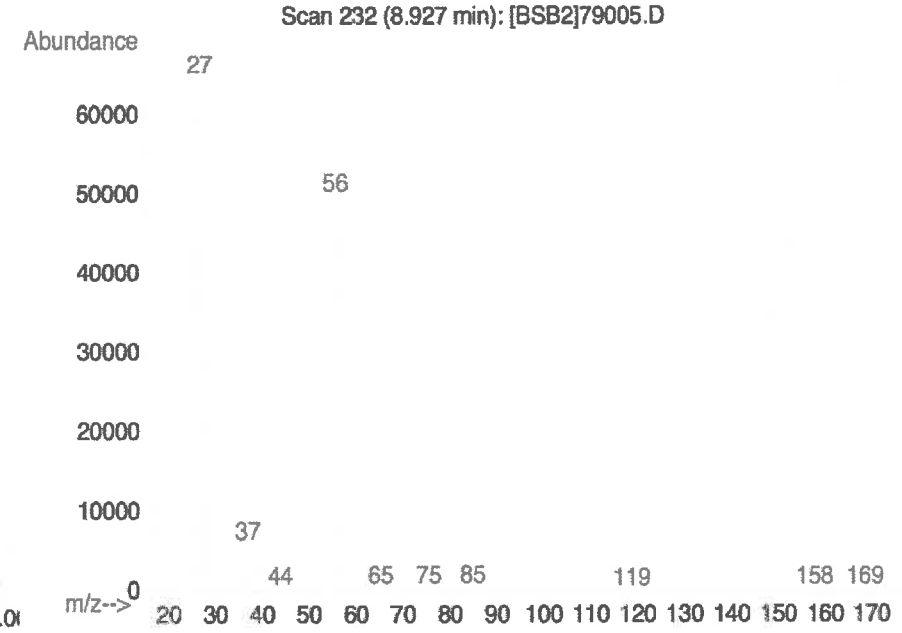
		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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

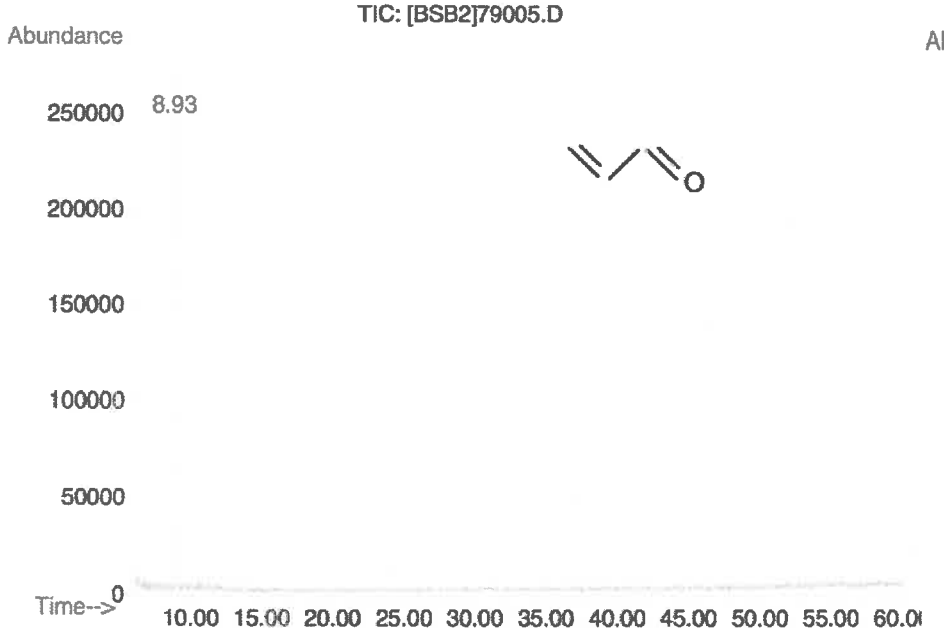
Solvent(s): **Lot#**
Water 072324Q

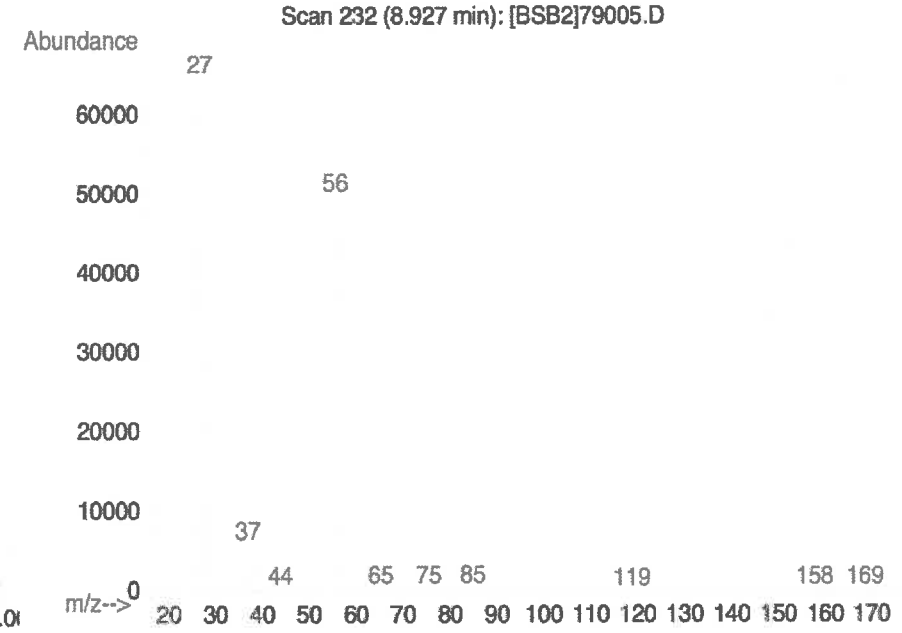
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

	100724
Formulated By: Lawrence Barry	DATE
	100724
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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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

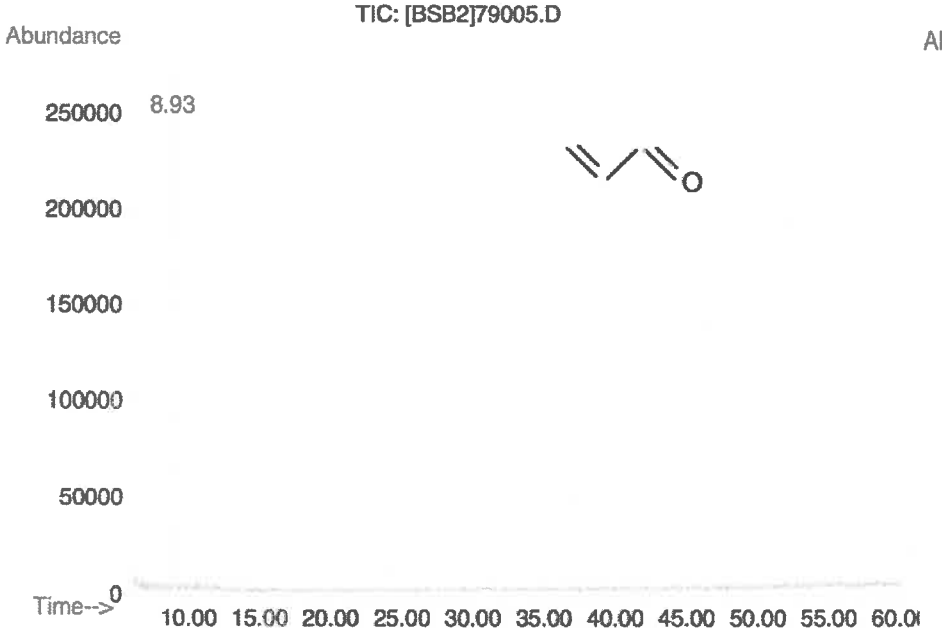
Solvent(s): **Lot#**
Water 072324Q

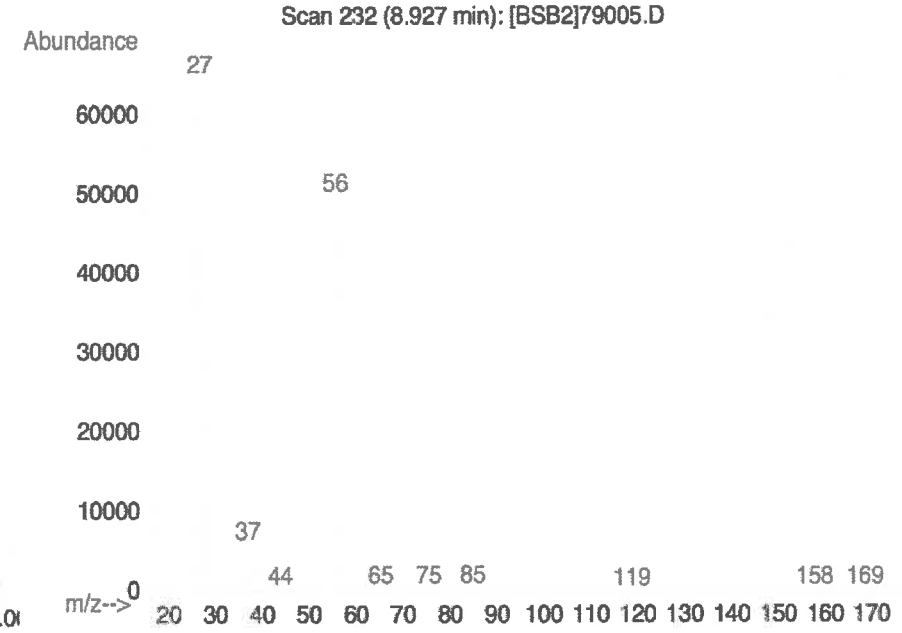
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

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.
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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Absolute Standards Inc.

PO Box 5585
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Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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 Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EA899-US

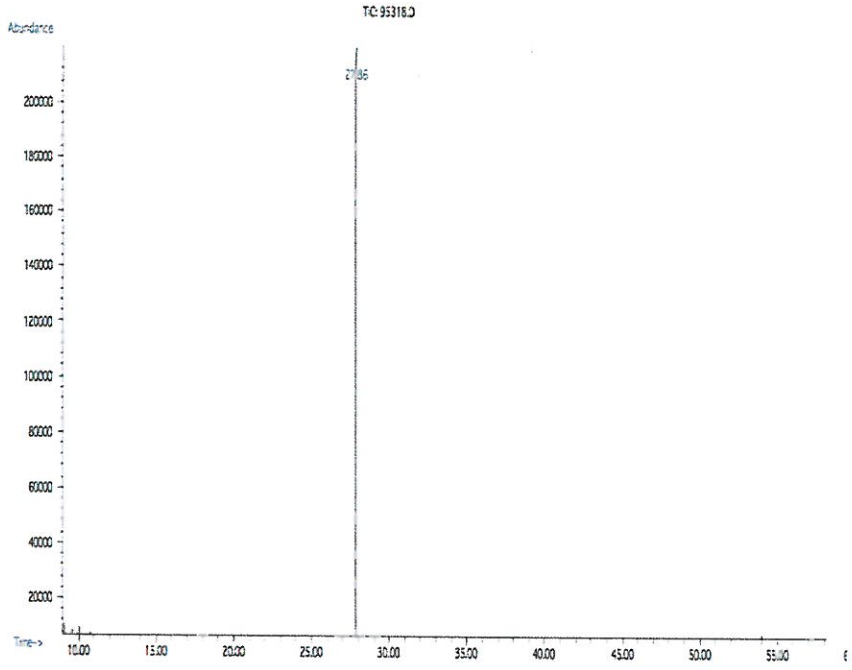
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

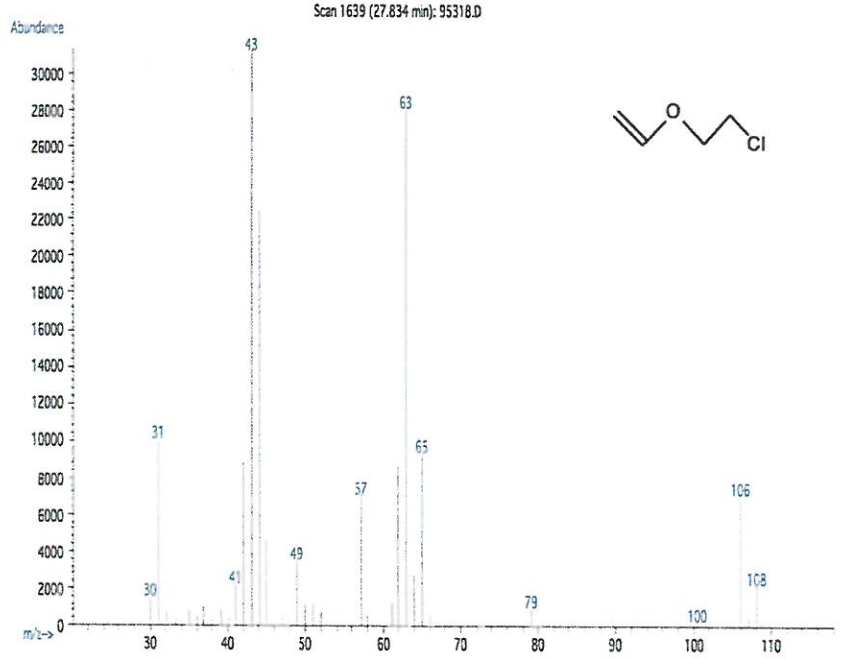
Weight(s) shown below were combined and diluted to (mL): 30.0 | 5E-05 Balance Uncertainty | 0.0003 Flask Uncertainty

		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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P4438-VOCMS Group1

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EA899-US

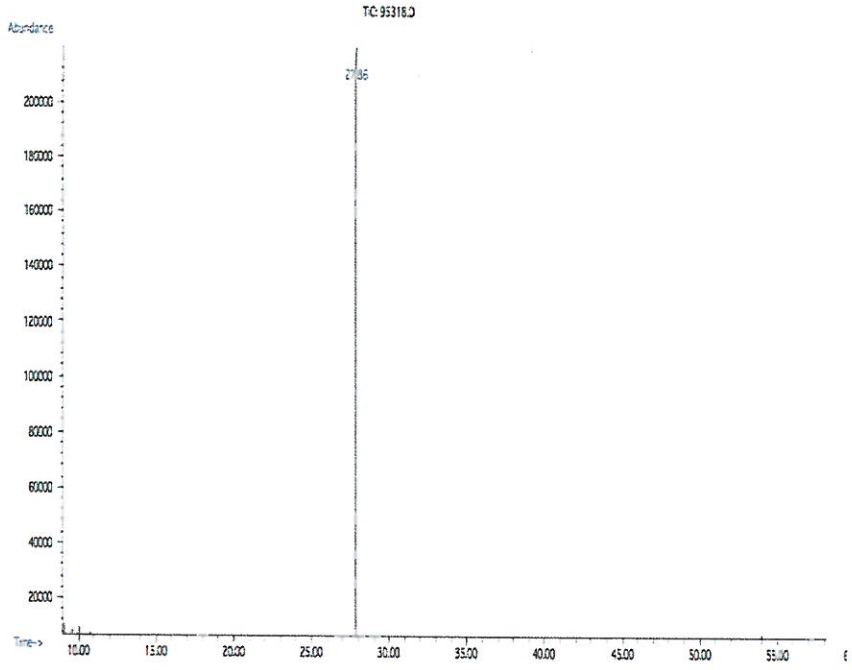
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

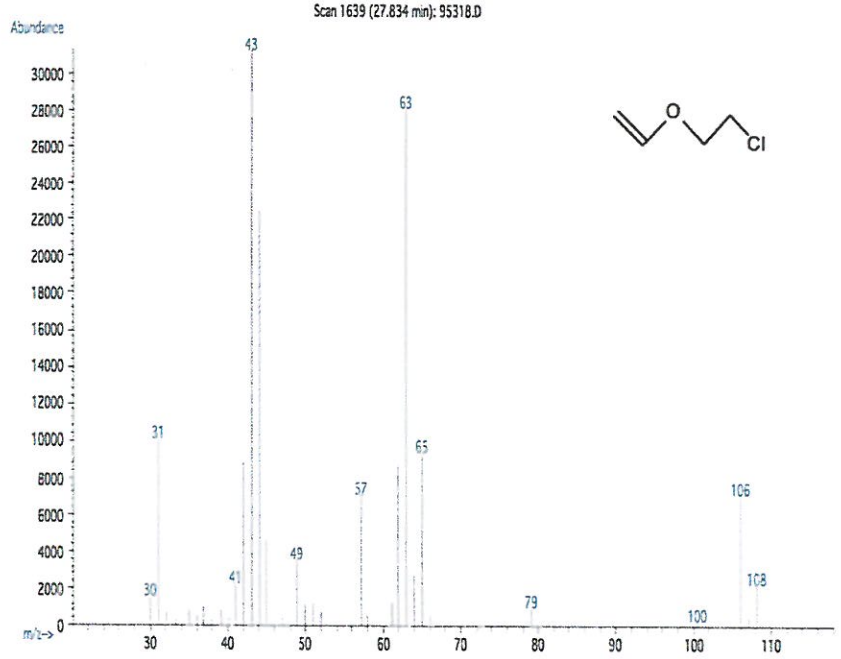
Weight(s) shown below were combined and diluted to (mL): 30.0 | 5E-05 Balance Uncertainty | 0.0003 Flask Uncertainty

		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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P4438-VOCMS Group1

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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)

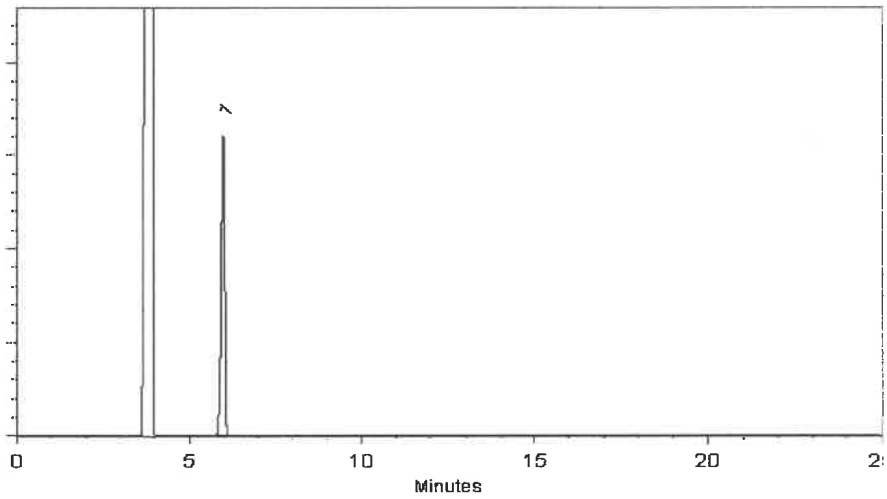
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.)

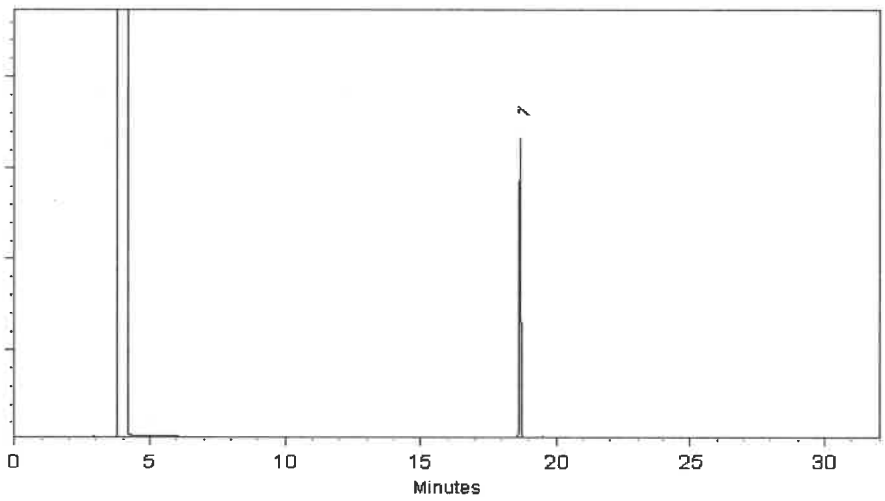
Inj. Temp:
200°C

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.)

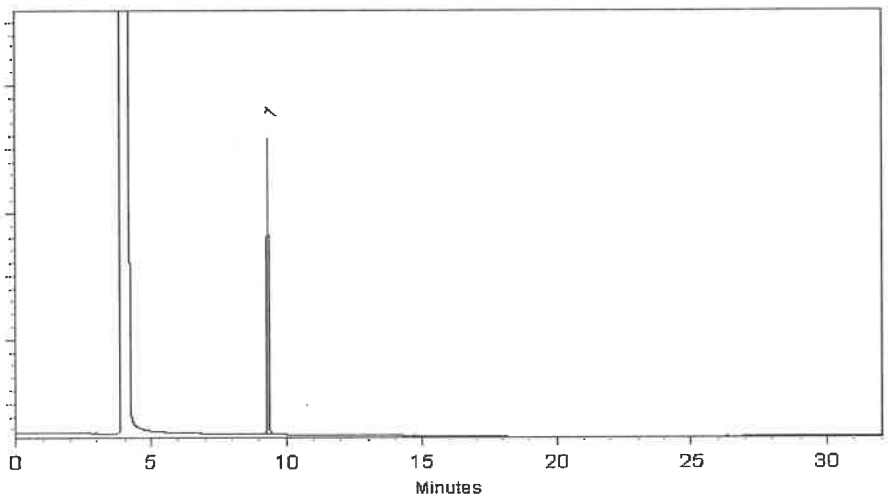
Inj. Temp:
200°C

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.)

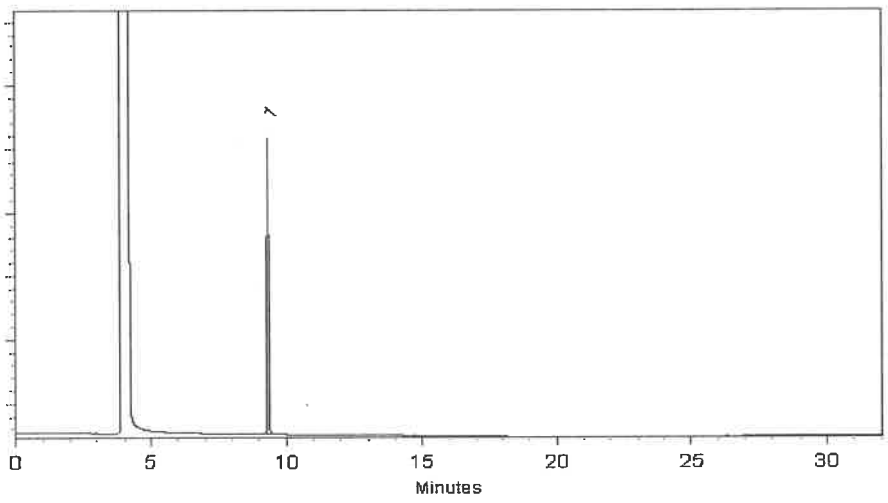
Inj. Temp:
200°C

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

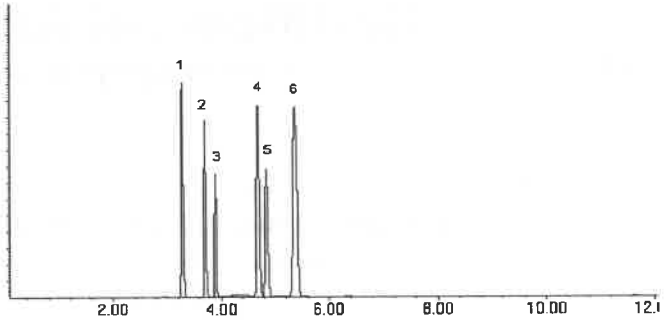
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

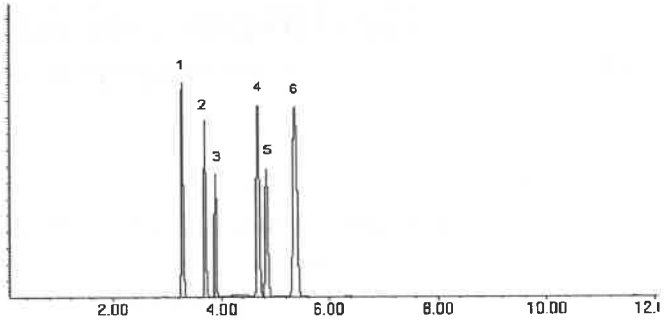
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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. : 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.)

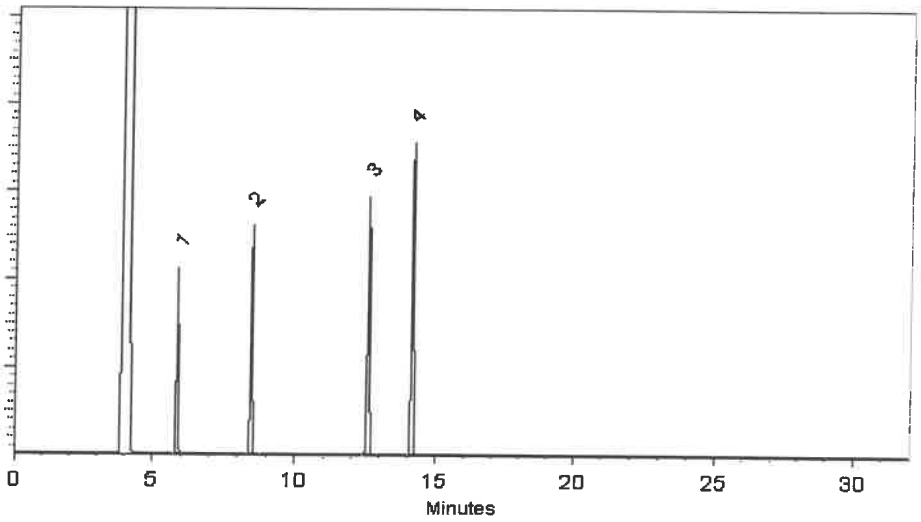
Inj. Temp:
200°C

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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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.)

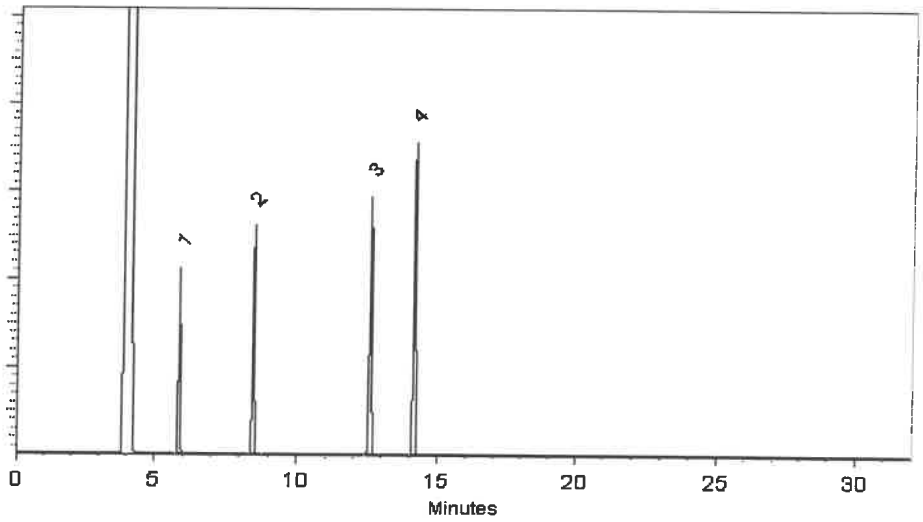
Inj. Temp:
200°C

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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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.)

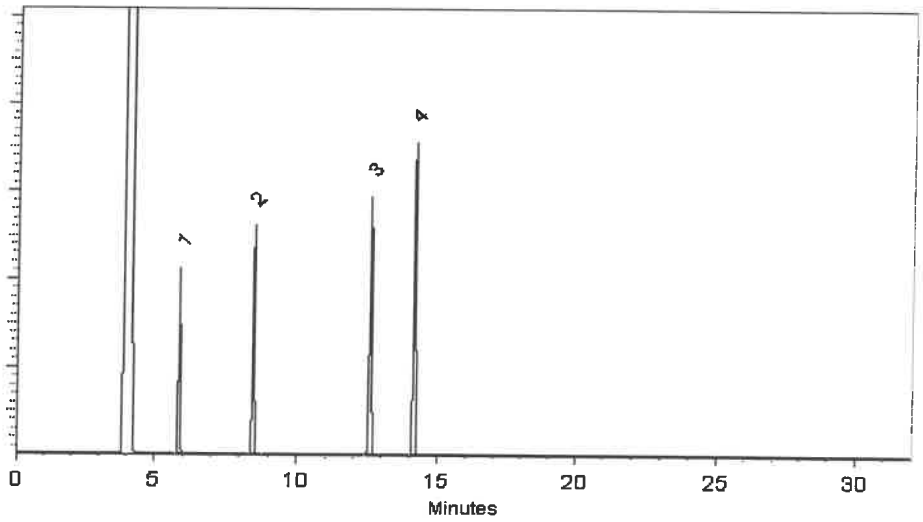
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

Certificate of Analysis

chromatographic

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

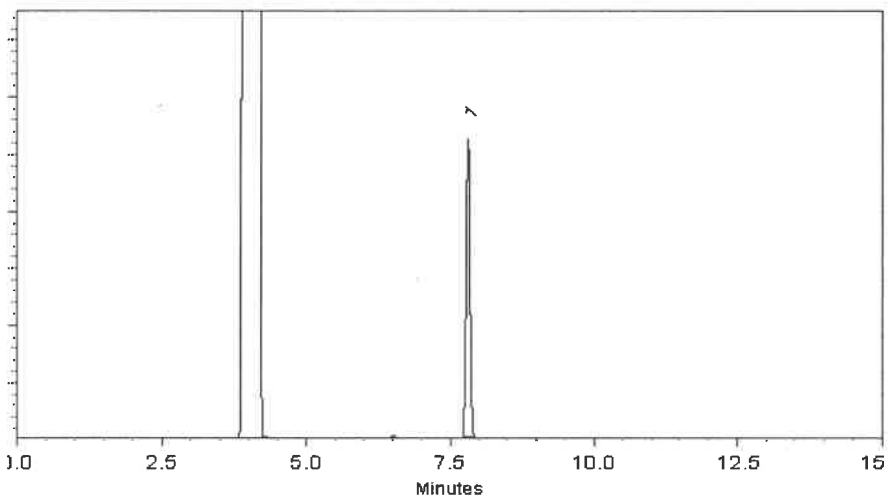
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

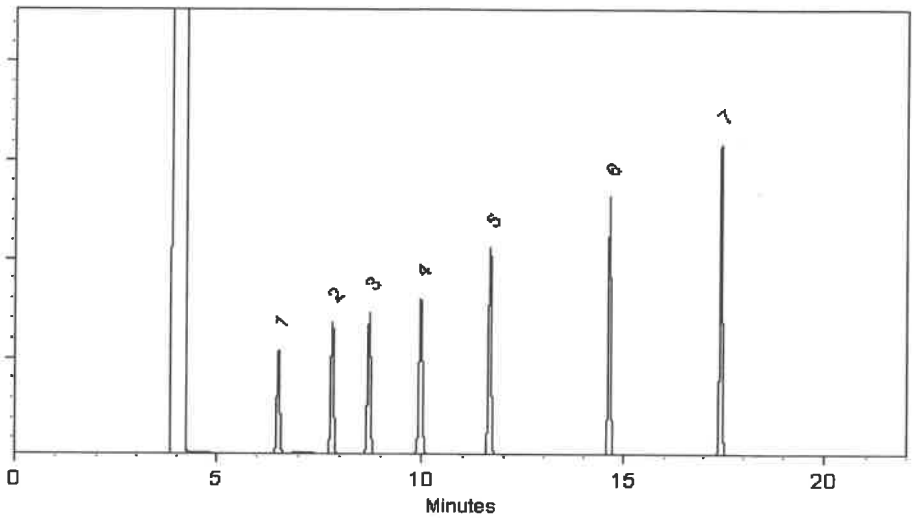
Inj. Temp:
200°C

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.
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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.

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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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
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6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
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* 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

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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.)

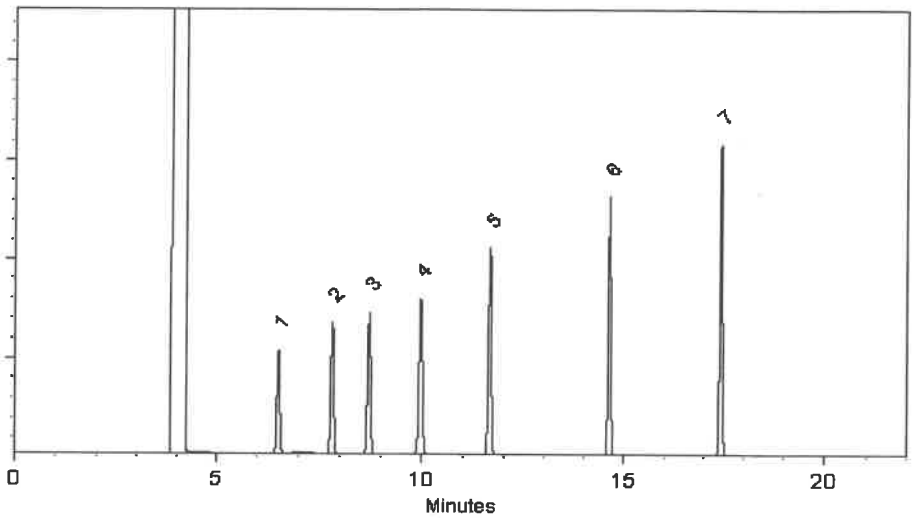
Inj. Temp:
200°C

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:

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Purity Notes:

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Manufacturing Notes:

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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I **Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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For Laboratory,Research,or Manufacturing Use
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500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
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: P4438/39

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-189
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

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

- ☐ RESEULTS 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-20241015	QA		X	10/15/24	8:00	2		2									Trip Blank
2.	BP-VPB-190-EB-20241016	QA		X	10/16/24	11:00	2		2									Equipment Blank
3.	VPB190-HYD-20241016	QA		X	10/16/24	9:20	5		2	1	2							Hydrant Sample
4.	BP-VPB-190-GW-58-60	AQ		X	10/15/24	13:25	3		2	1								
5.	BP-VPB-190-GW-98-100	AQ		X	10/16/24	10:15	3		2	1								
6.	BP-VPB-190-GW-158-160	AQ		X	10/17/24	10:15	3		2	1								
7.	BP-VPB-190-GW-198-200	AQ		X	10/17/24	12:15	3		2	1								
8.																		
9.																		
10.																		

<-- 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. Jake Marlow	10-17-24/1600	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.	9115 10-18-24	2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.4
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

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4438 TETR06 **Order Date :** 10/18/2024 10:19:00 AM **Project Mgr :**
Client Name : Tetra Tech NUS, Inc. **Project Name :** CTO WE13 **Report Type :** Level 4
Client Contact : Ernie Wu **Receive DateTime :** 10/18/2024 9:15:00 AM **EDD Type :** ADAPT
Invoice Name : Tetra Tech NUS, Inc. **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Ernie Wu **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
P4438-01	BP-VPB-190-TB-20241015	Water	10/15/2024	08:00						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4438-02	BP-VPB-190-EB-20241016	Water	10/16/2024	11:00						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4438-03	VPB190-HYD-20241016	Water	10/16/2024	09:20						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4438-04	BP-VPB-190-GW-58-60	Water	10/15/2024	13:25						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4438-05	BP-VPB-190-GW-98-100	Water	10/16/2024	10:15						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4438-06	~~BP-VPB-190-158-160~~ BP-VPB-190-GW-158-160	Water	10/17/2024	10:15						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4438-07	BP-VPB-190-GW-198-200	Water	10/17/2024	12:15						
					VOCMS Group1		8260-Low	2 Bus. Days		

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4438 TETR06	**Order Date :**	10/18/2024 10:19:00 AM	**Project Mgr :**	
Client Name :	Tetra Tech NUS, Inc.	**Project Name :**	CTO WE13	**Report Type :**	Level 4
Client Contact :	Ernie Wu	**Receive DateTime :**	10/18/2024 9:15:00 AM	**EDD Type :**	ADAPT
Invoice Name :	Tetra Tech NUS, Inc.	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Ernie Wu			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____

Date / Time : 10-16-24 1120

Received By : Sam

Date / Time : 10/18/24 11:20 Rgh 4

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)

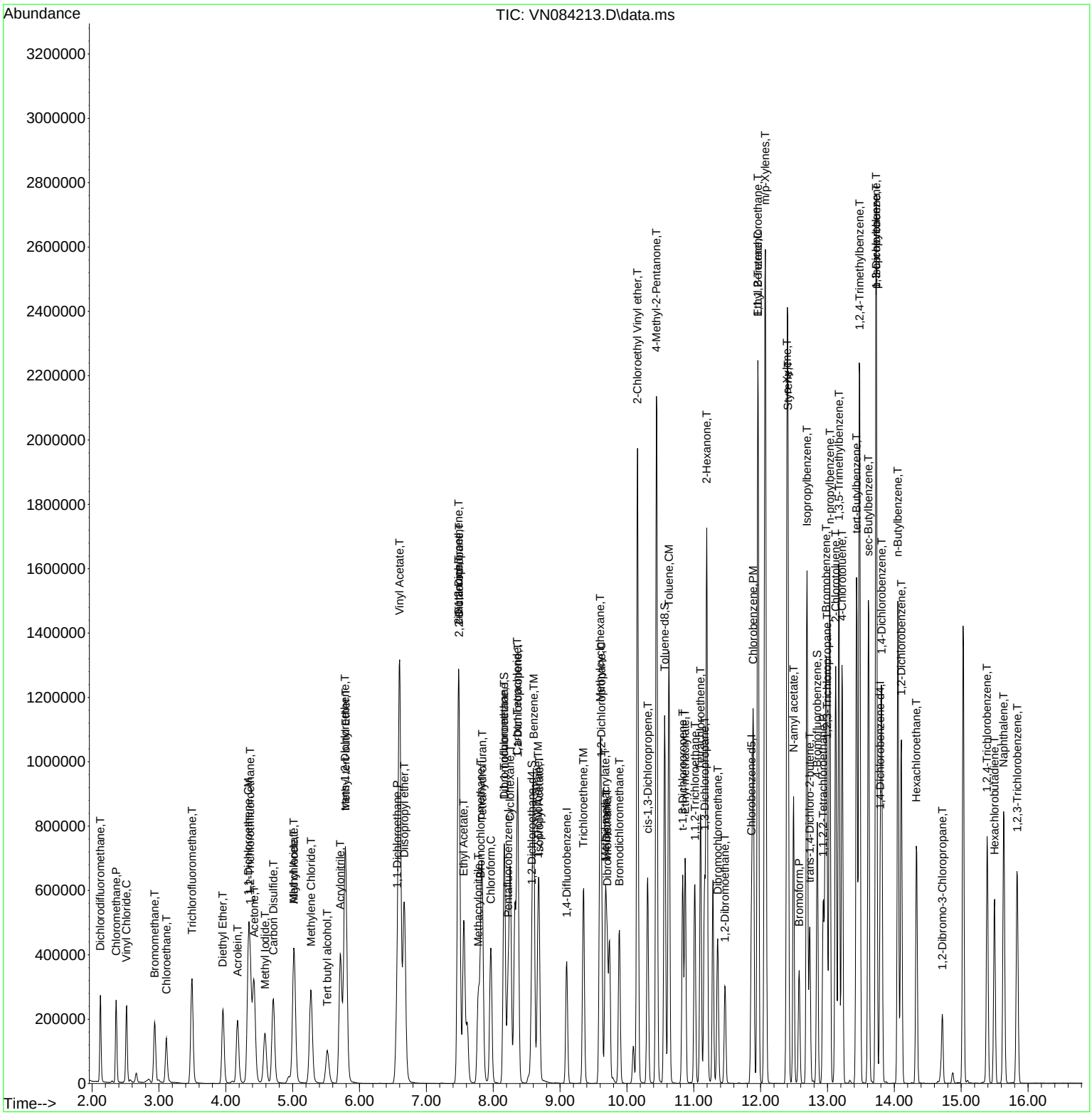
(#) = qualifier out of range (m) = manual integration (+) = signals summed

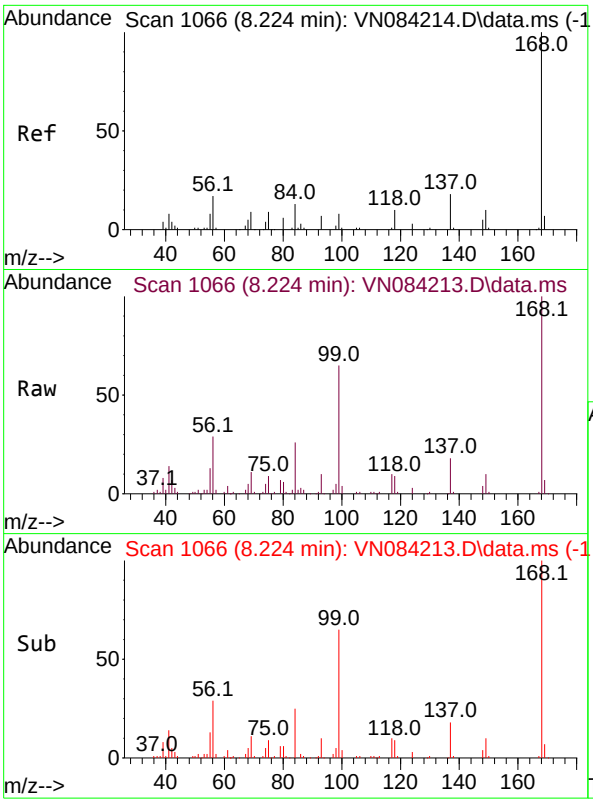
Quantitation Report (Not Reviewed)

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



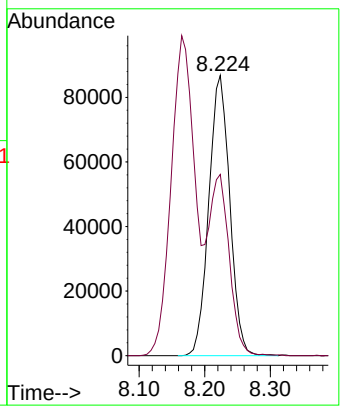


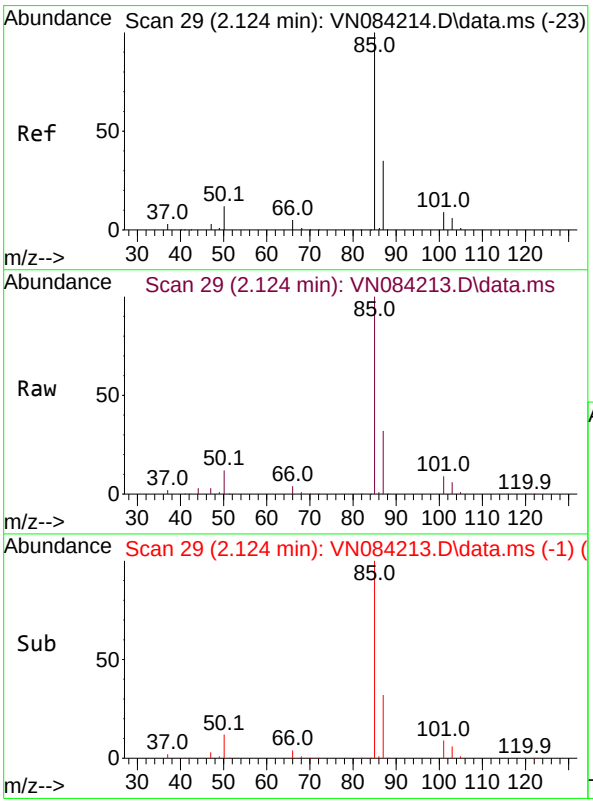
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 192402

Ion	Ratio	Lower	Upper
168	100		
99	64.4	54.2	81.2

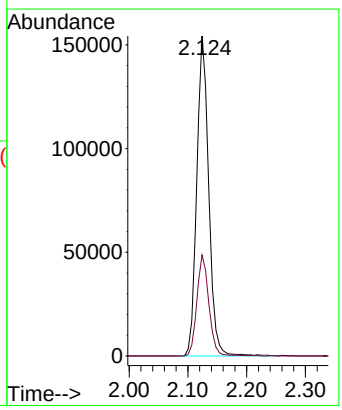


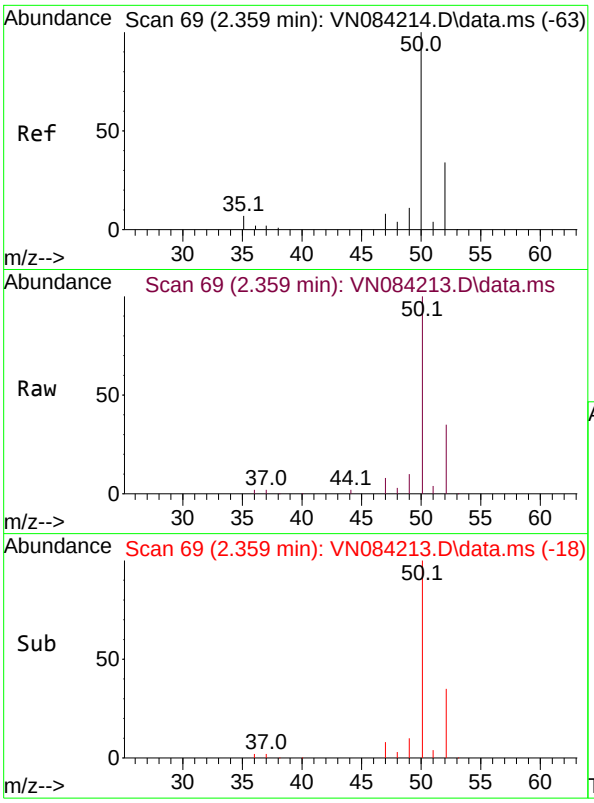


#2
Dichlorodifluoromethane
Concen: 95.796 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 85 Resp: 218015

Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.6	52.9



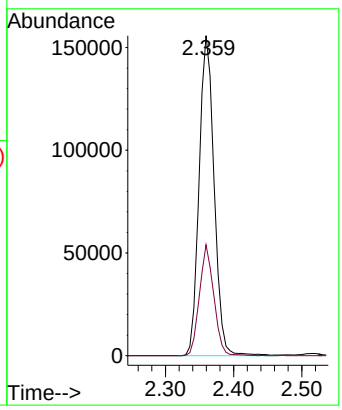


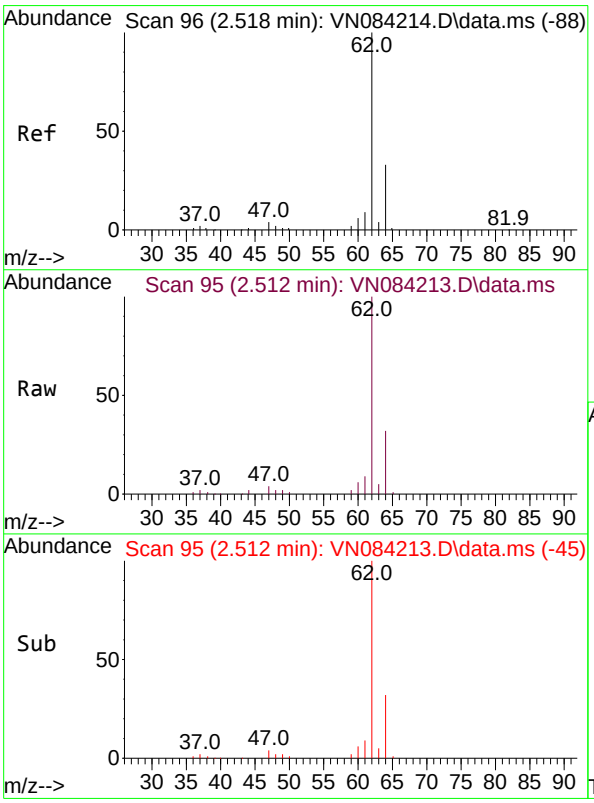
#3
Chloromethane
Concen: 91.628 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 238104

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.8	40.2

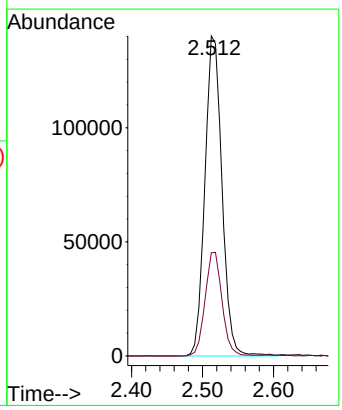


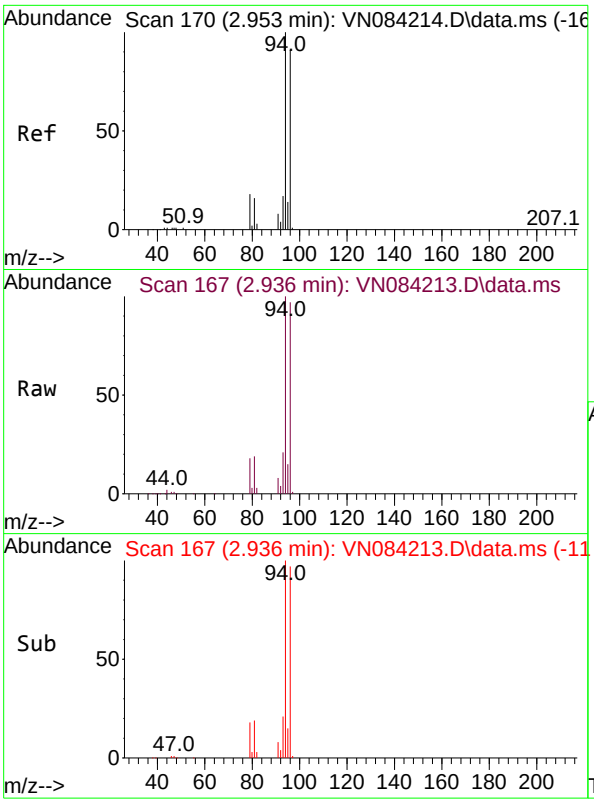


#4
Vinyl Chloride
Concen: 93.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 234942

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4



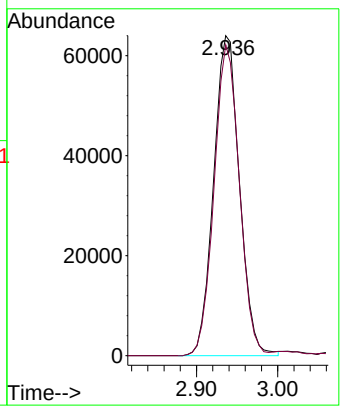


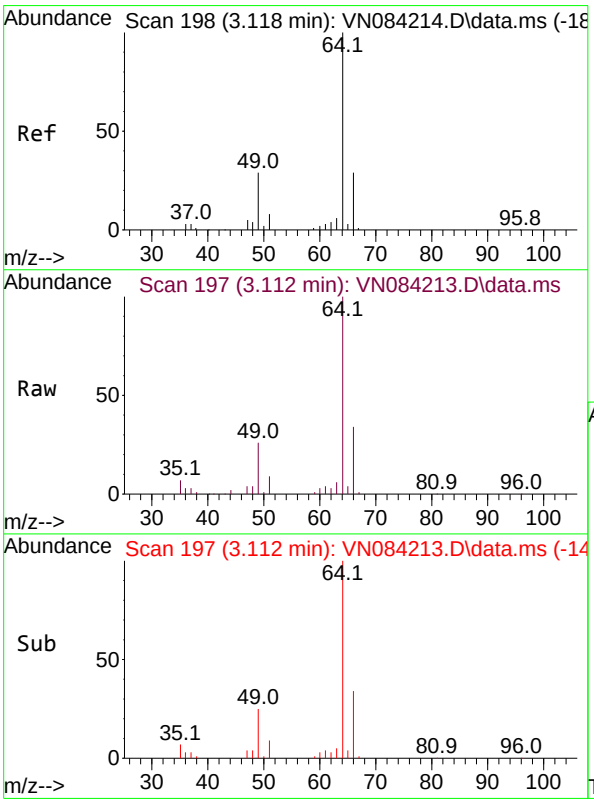
#5
Bromomethane
Concen: 85.288 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 141604

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.9	109.3

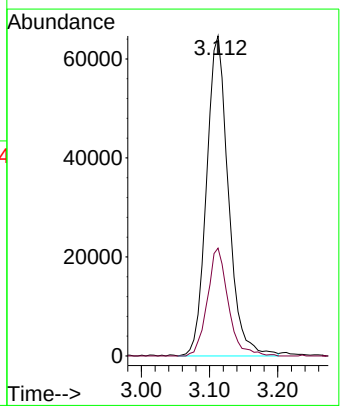


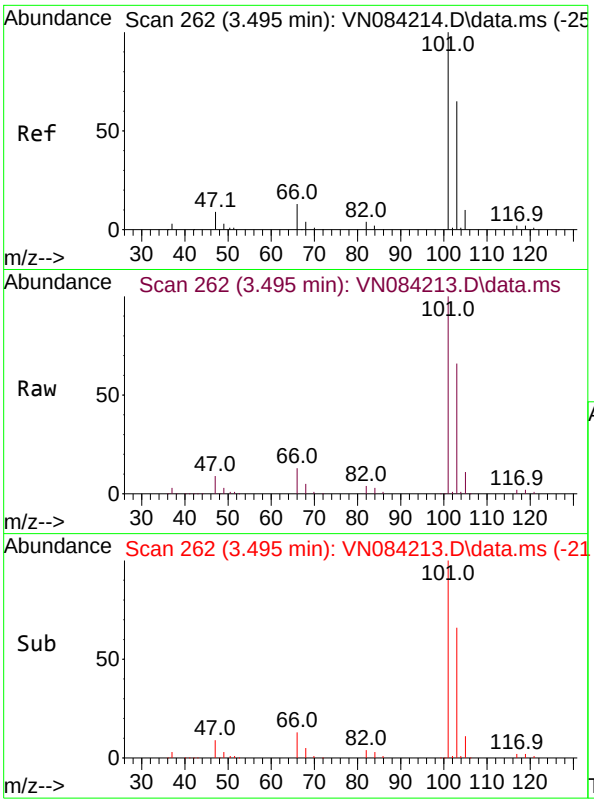


#6
Chloroethane
Concen: 80.099 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 64 Resp: 144394

Ion	Ratio	Lower	Upper
64	100		
66	33.7	23.5	35.3



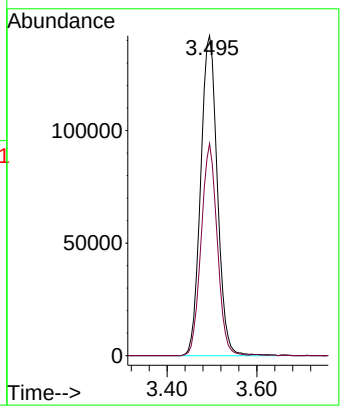


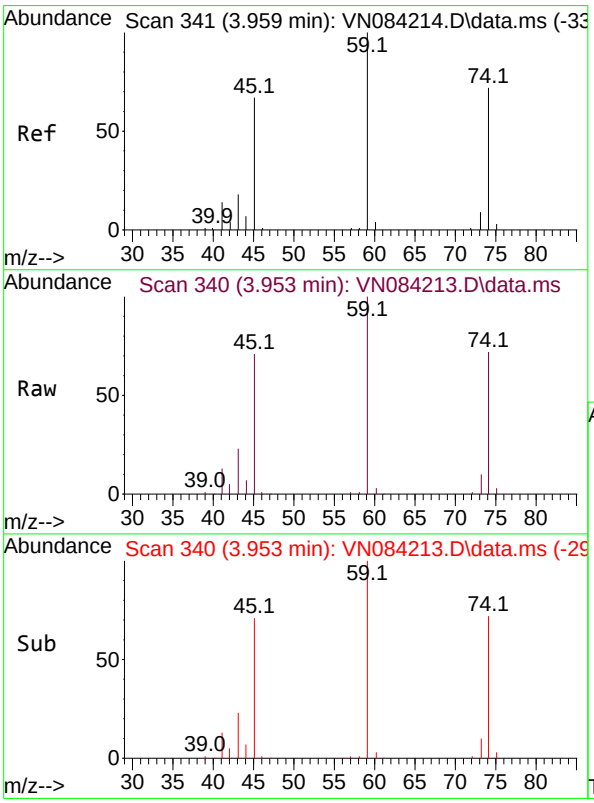
#7
Trichlorofluoromethane
Concen: 93.608 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 366907

Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.8	77.6

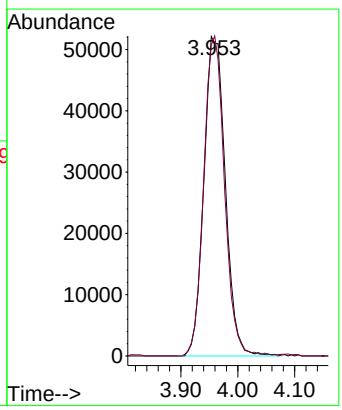


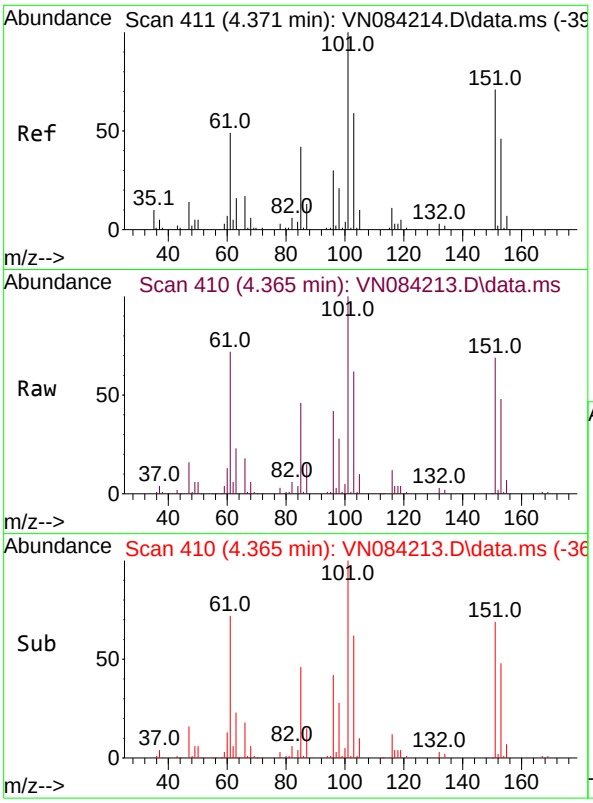


#8
Diethyl Ether
Concen: 93.854 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 74 Resp: 136436

Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.7	143.1



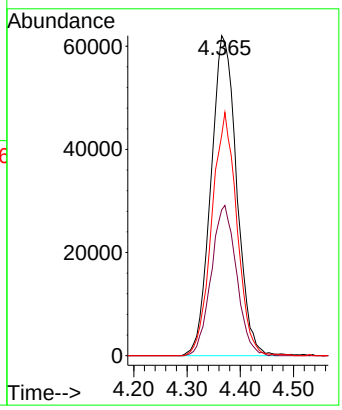


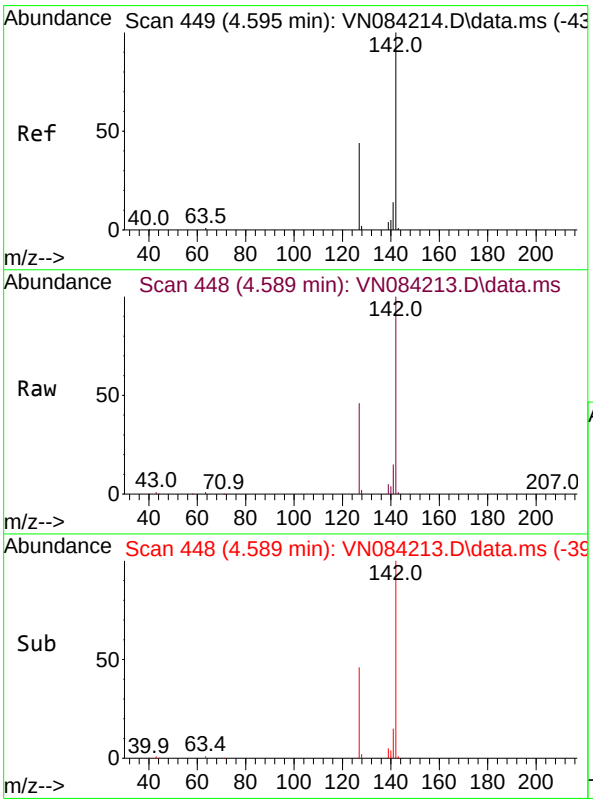
#9
1,1,2-Trichlorotrifluoroethane
Concen: 92.811 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

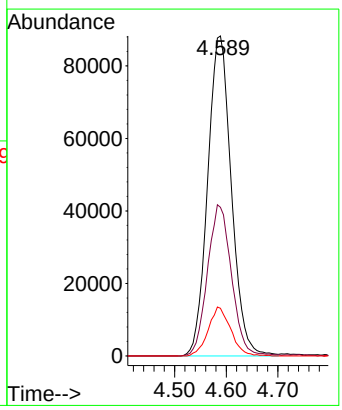


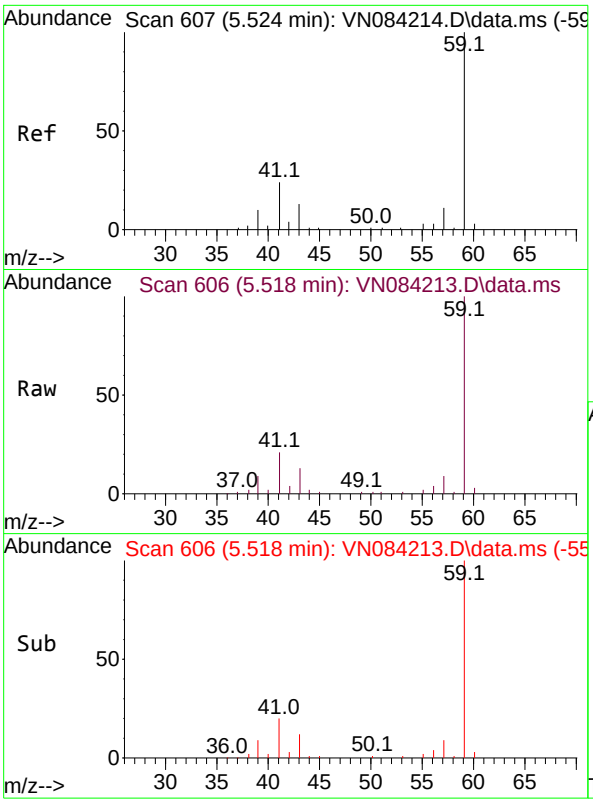


#10
Methyl Iodide
Concen: 97.248 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



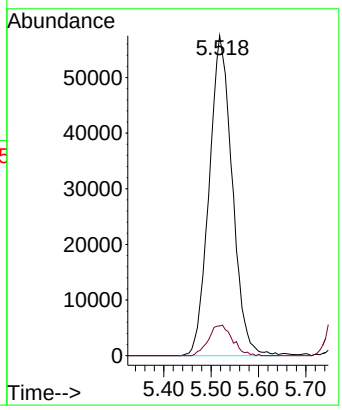


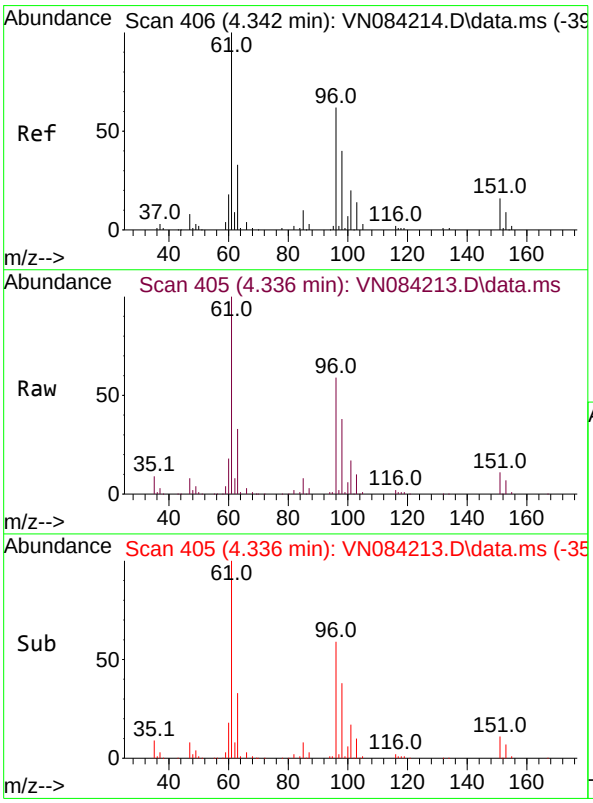
#11
Tert butyl alcohol
Concen: 414.018 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 194750

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

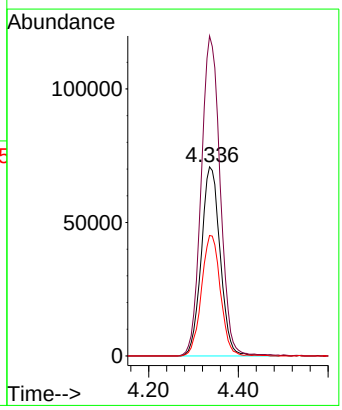


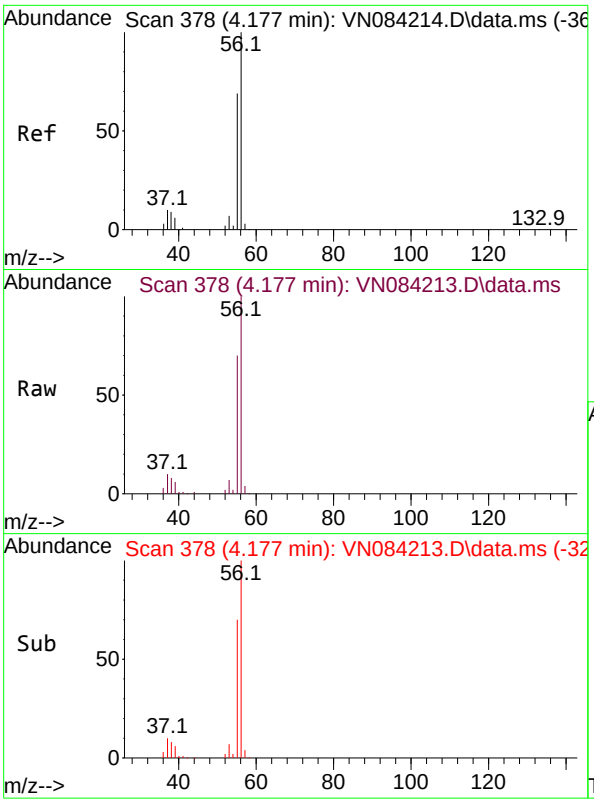


#12
1,1-Dichloroethene
Concen: 95.491 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



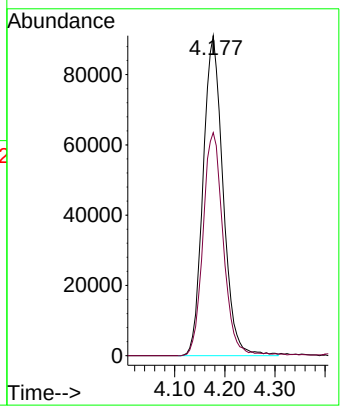


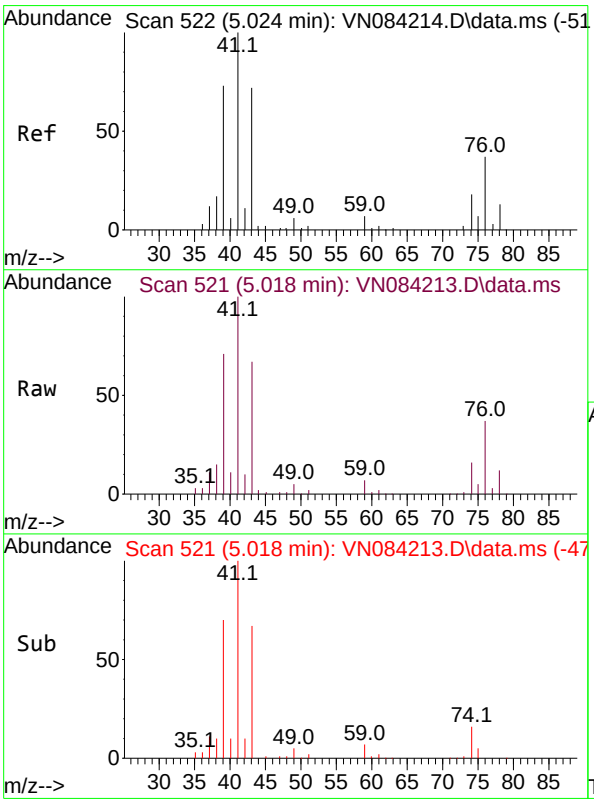
#13
Acrolein
Concen: 466.304 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 251811

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8

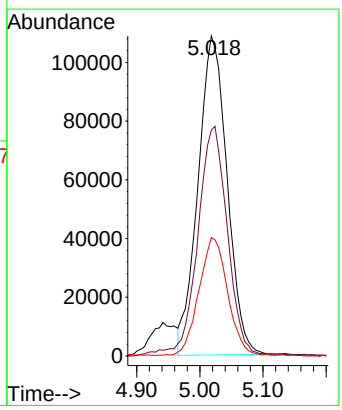


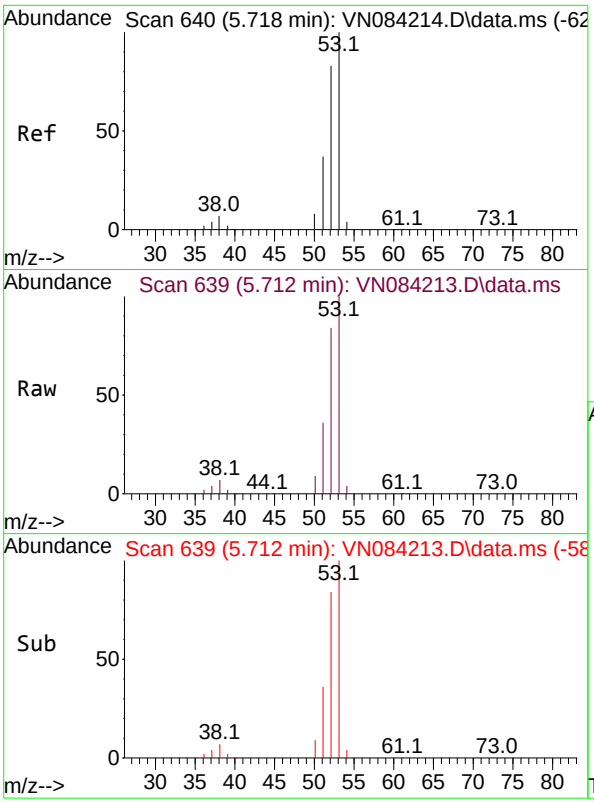


#14
Allyl chloride
Concen: 92.526 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



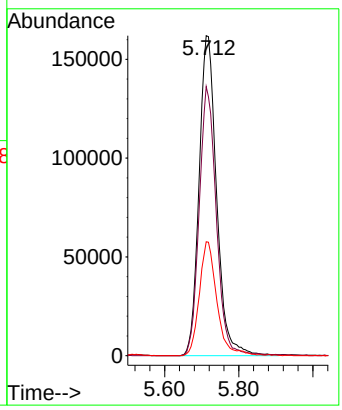


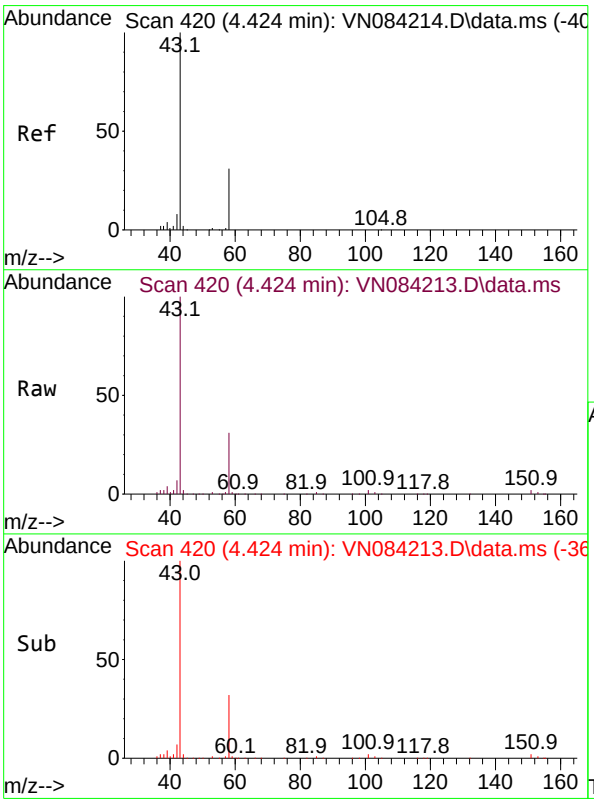
#15
Acrylonitrile
Concen: 448.931 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

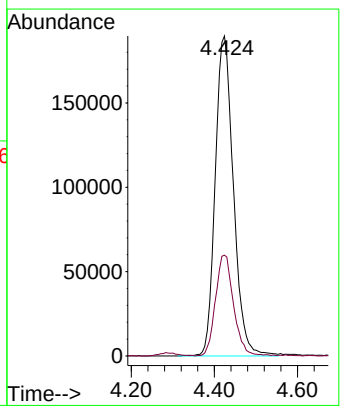


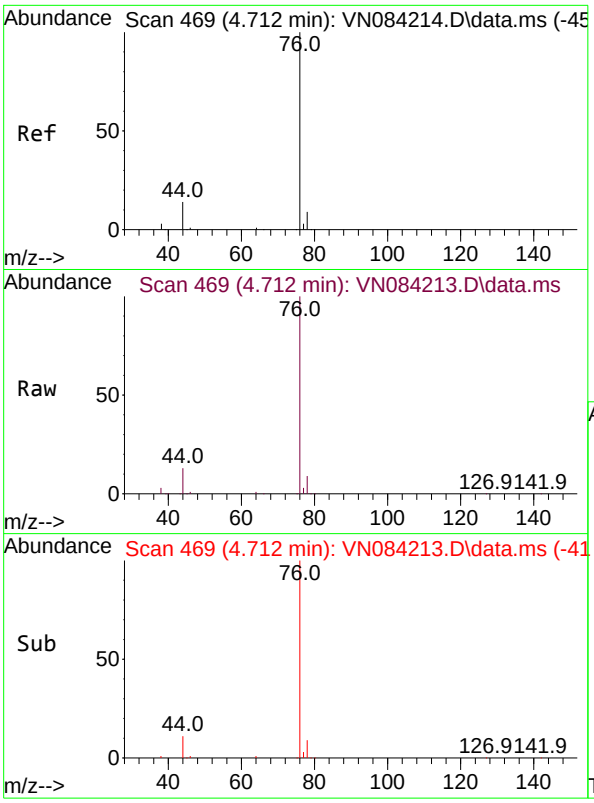


#16
Acetone
Concen: 470.138 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 576139

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6



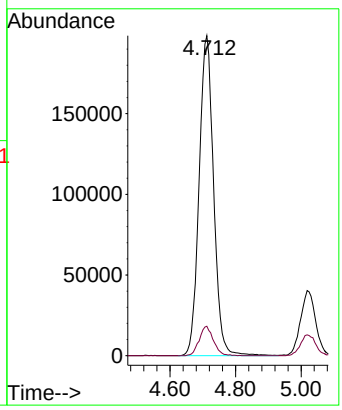


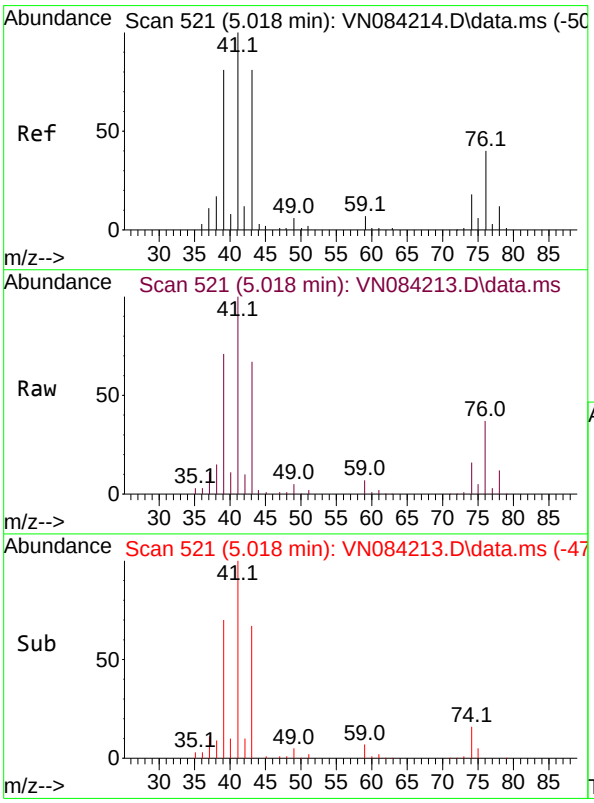
#17
Carbon Disulfide
Concen: 89.090 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 611042

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

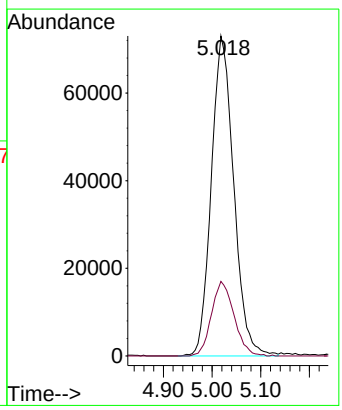


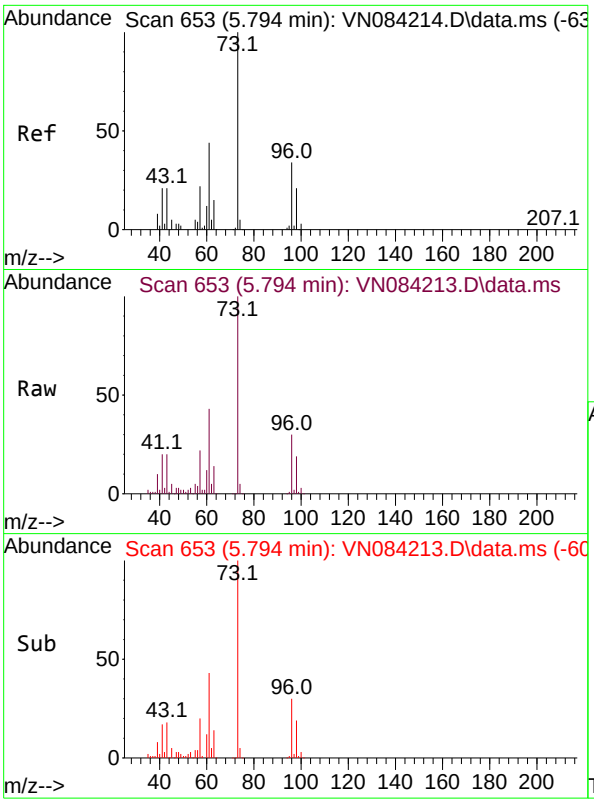


#18
Methyl Acetate
Concen: 87.499 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 43 Resp: 233708

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8



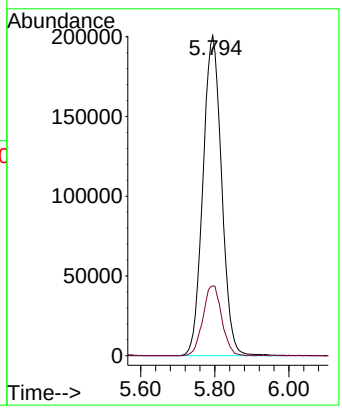


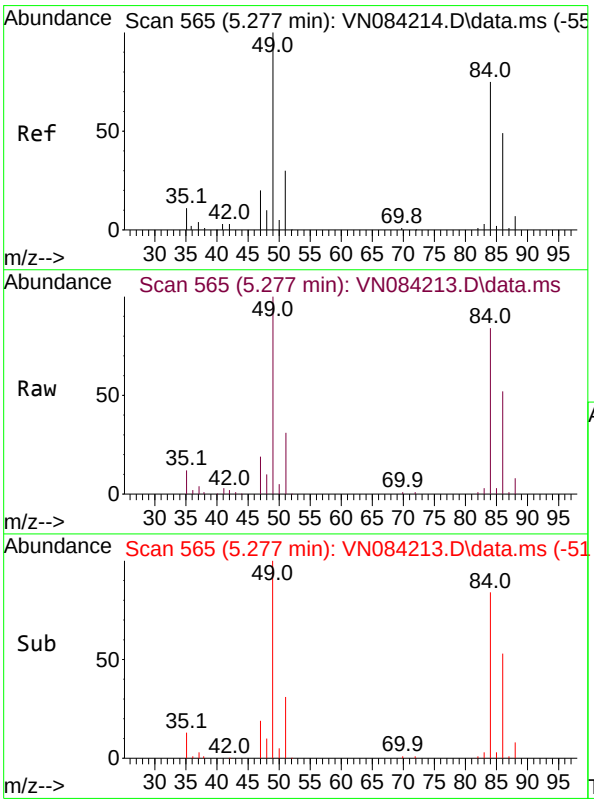
#19
Methyl tert-butyl Ether
Concen: 96.061 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 702366

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

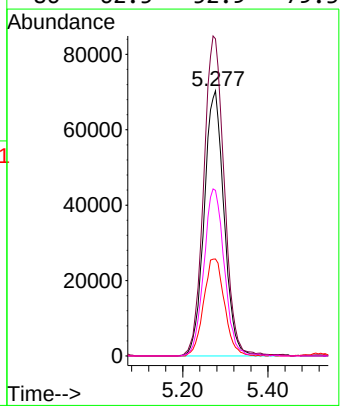


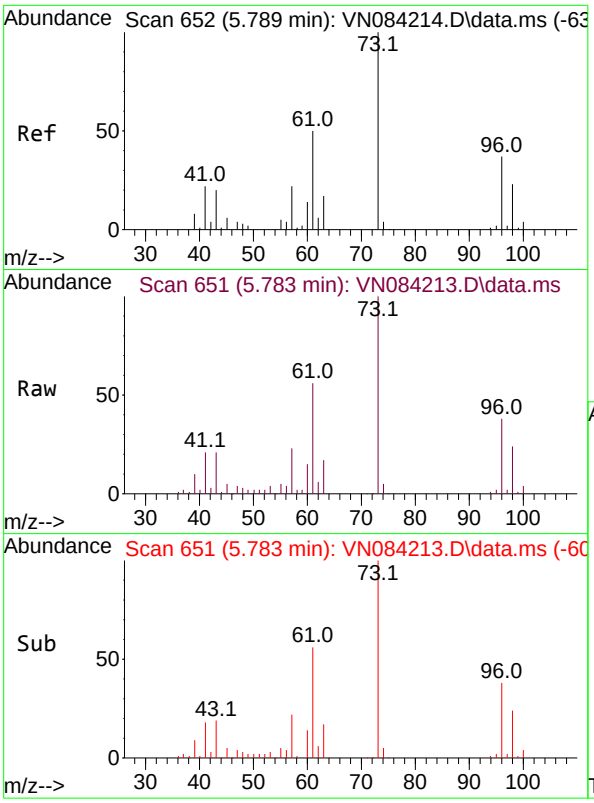


#20
Methylene Chloride
Concen: 91.809 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



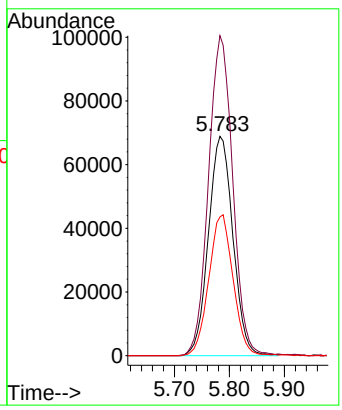


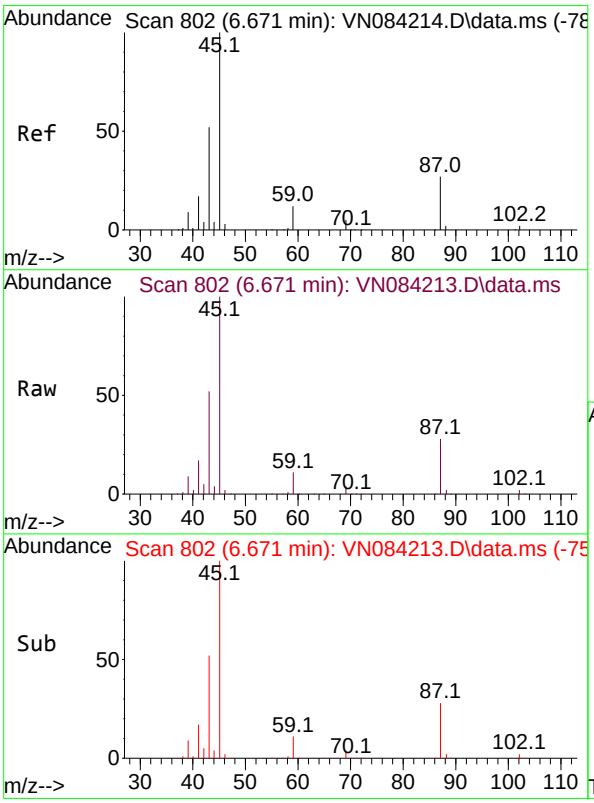
#21
trans-1,2-Dichloroethene
Concen: 94.160 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

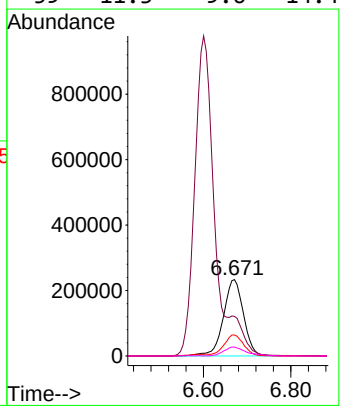


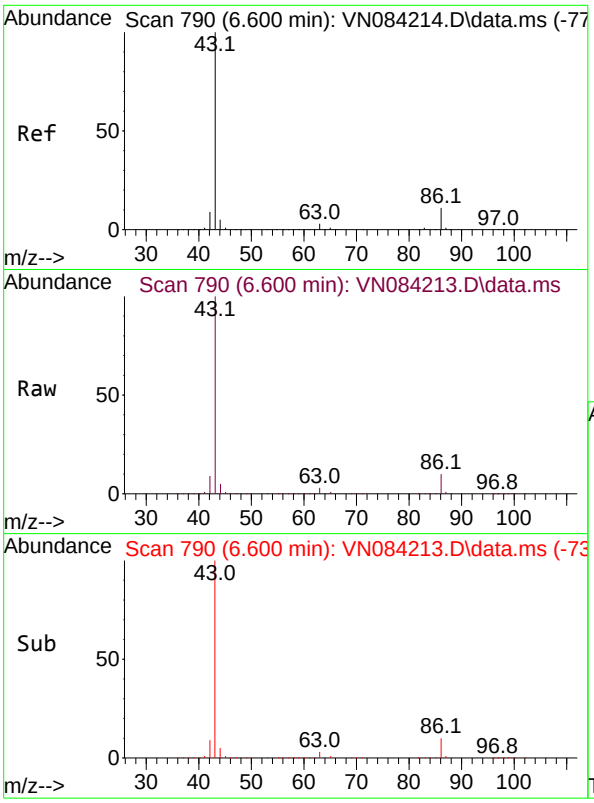


#22
Diisopropyl ether
Concen: 95.811 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



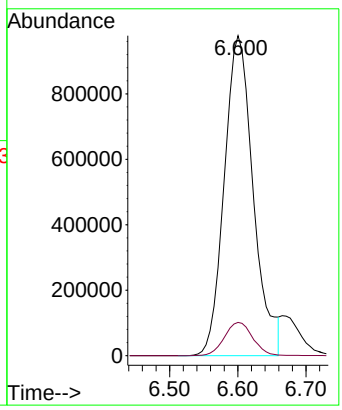


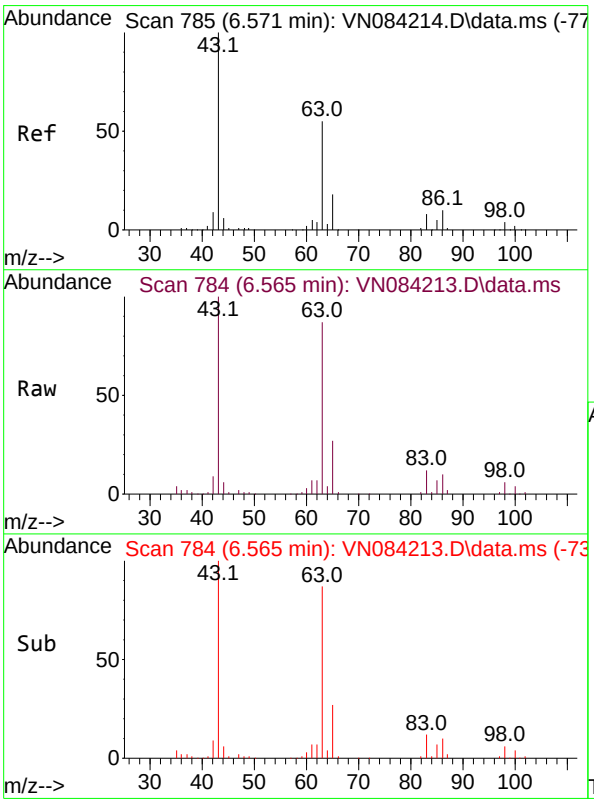
#23
Vinyl Acetate
Concen: 498.979 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2895429

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

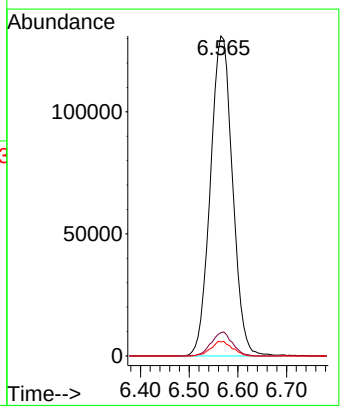


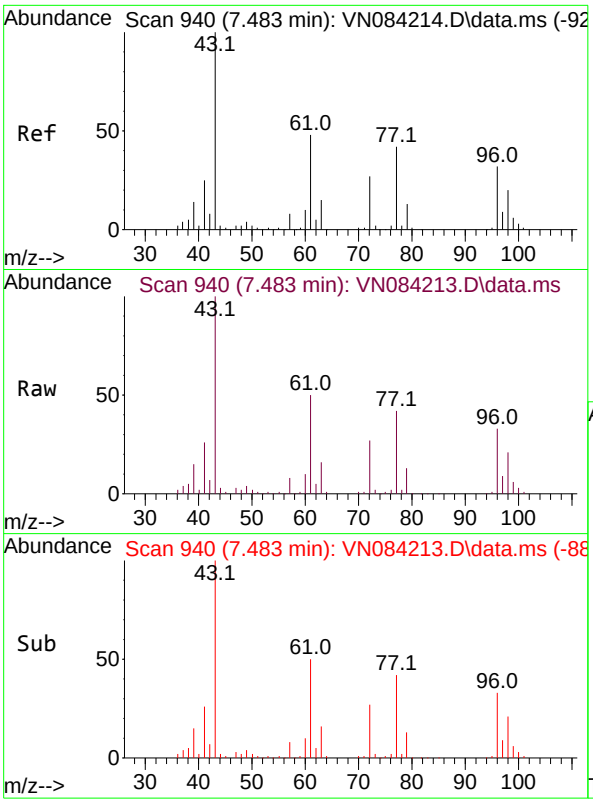


#24
1,1-Dichloroethane
Concen: 95.021 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



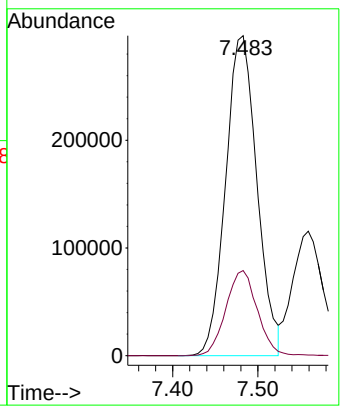


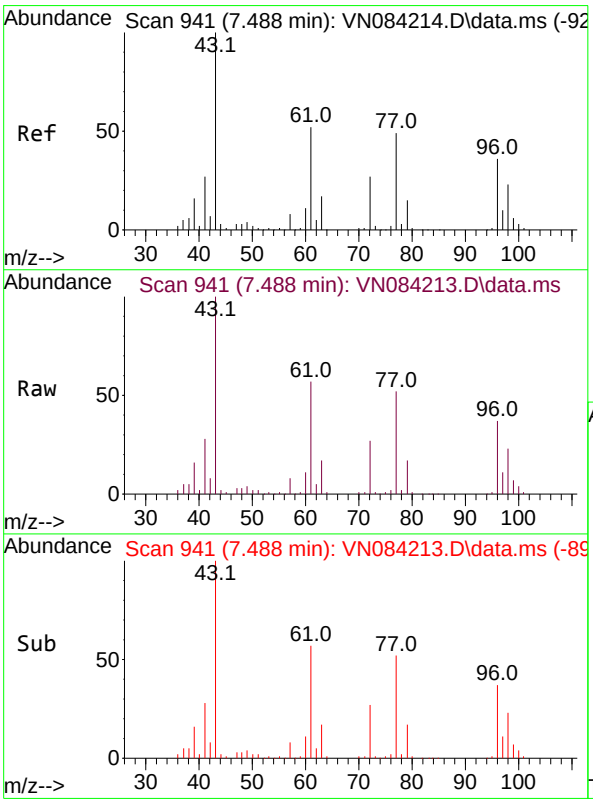
#25
2-Butanone
Concen: 454.946 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 759354

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2

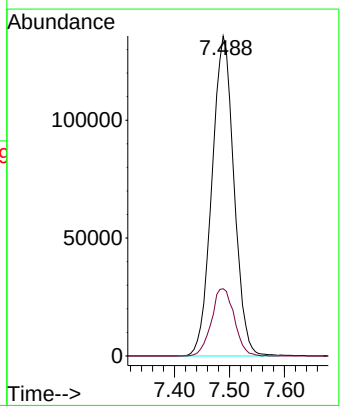


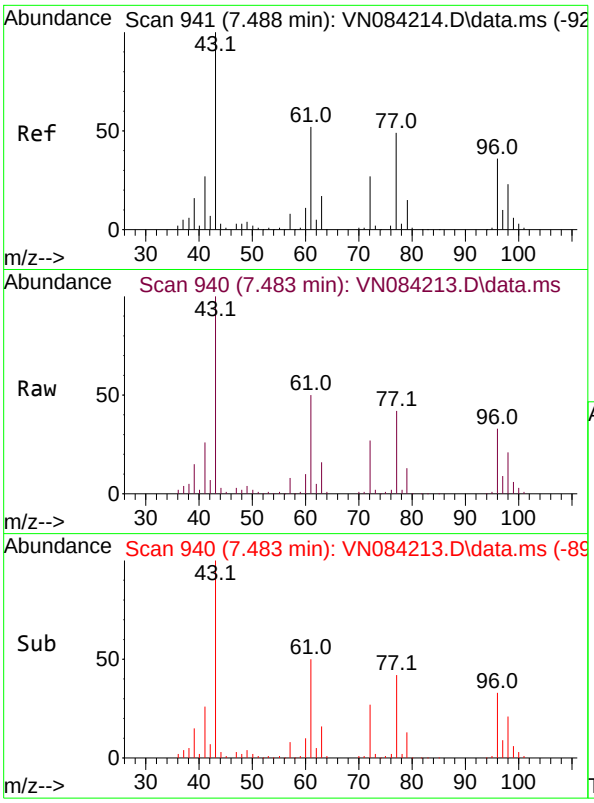


#26
2,2-Dichloropropane
Concen: 96.560 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 77 Resp: 378893

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



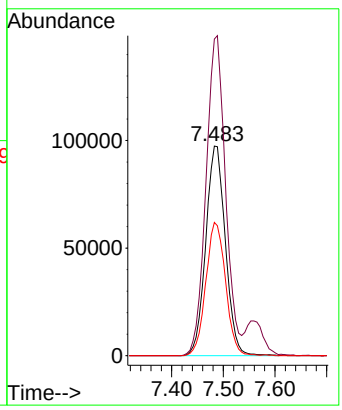


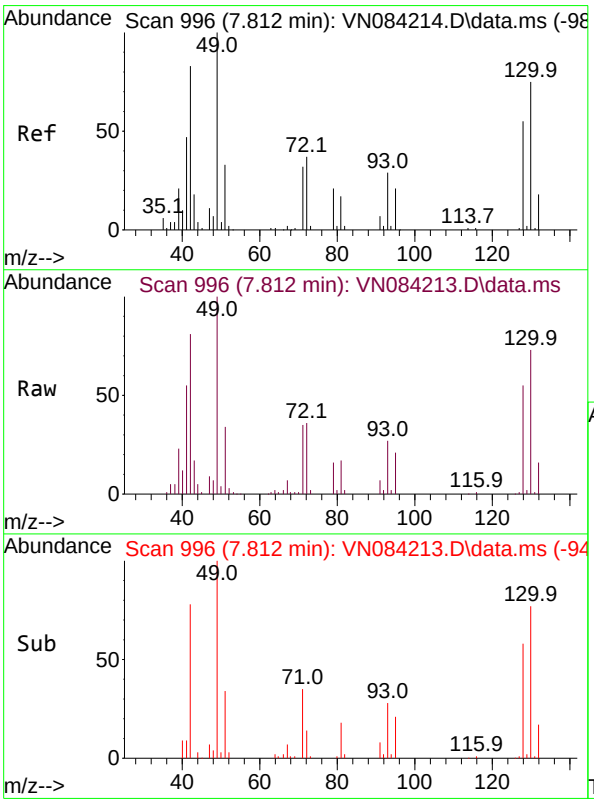
#27
cis-1,2-Dichloroethene
Concen: 93.962 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

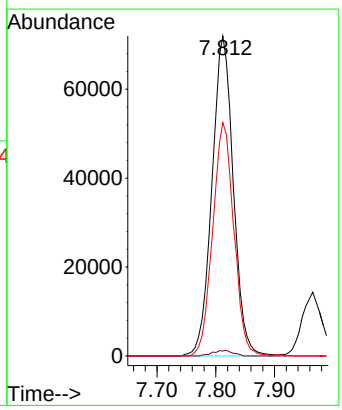


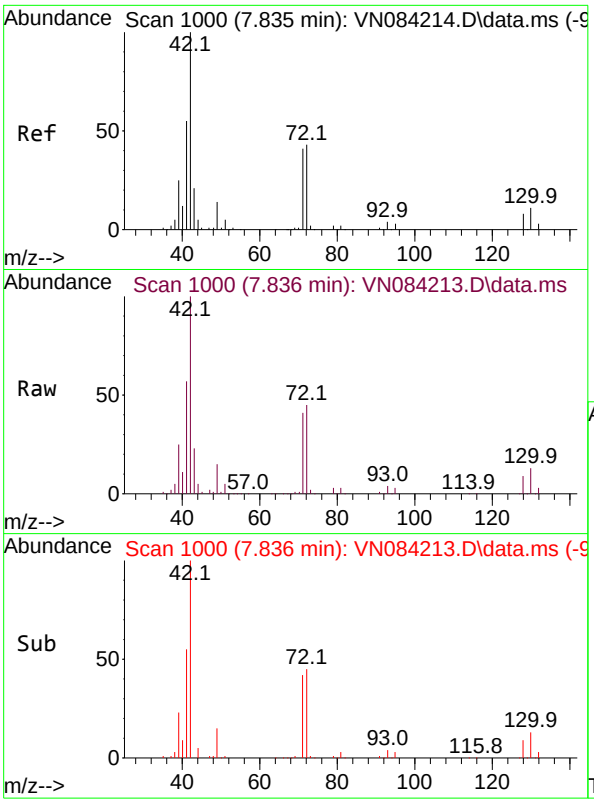


#28
Bromochloromethane
Concen: 93.497 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



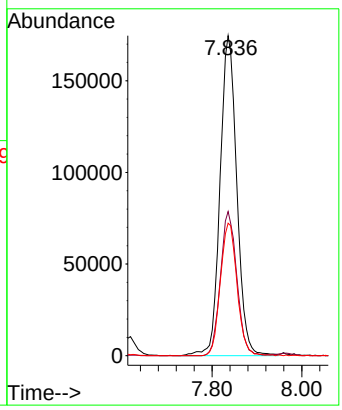


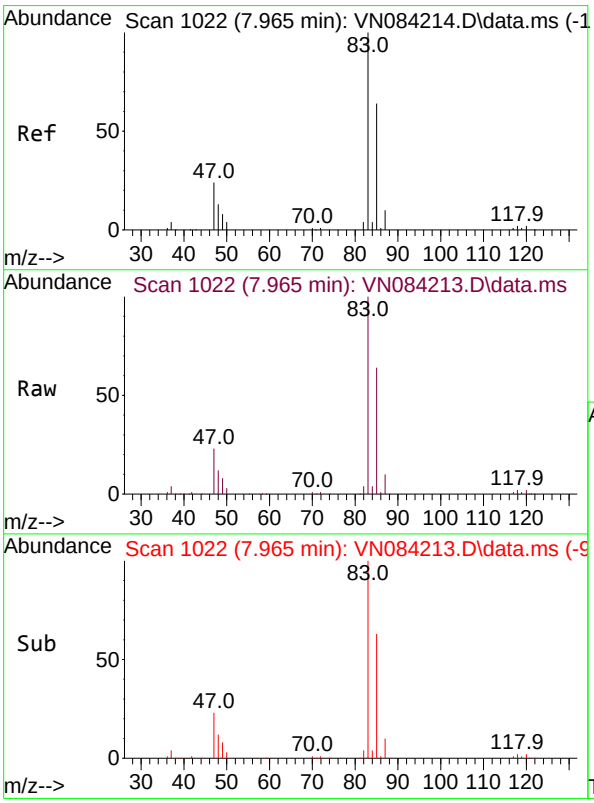
#29
Tetrahydrofuran
Concen: 440.124 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

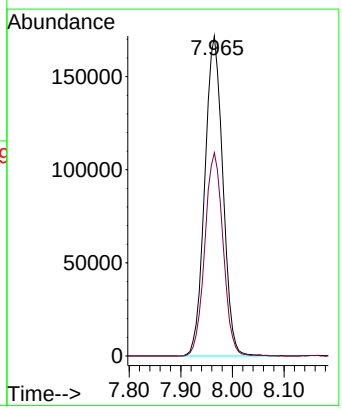


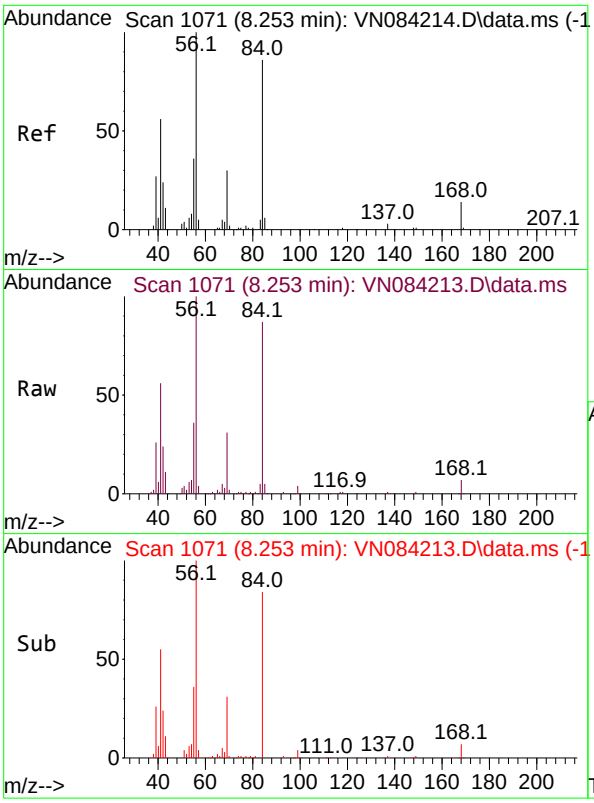


#30
Chloroform
Concen: 92.156 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 83 Resp: 416595

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4



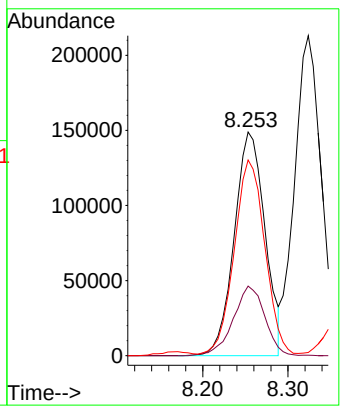


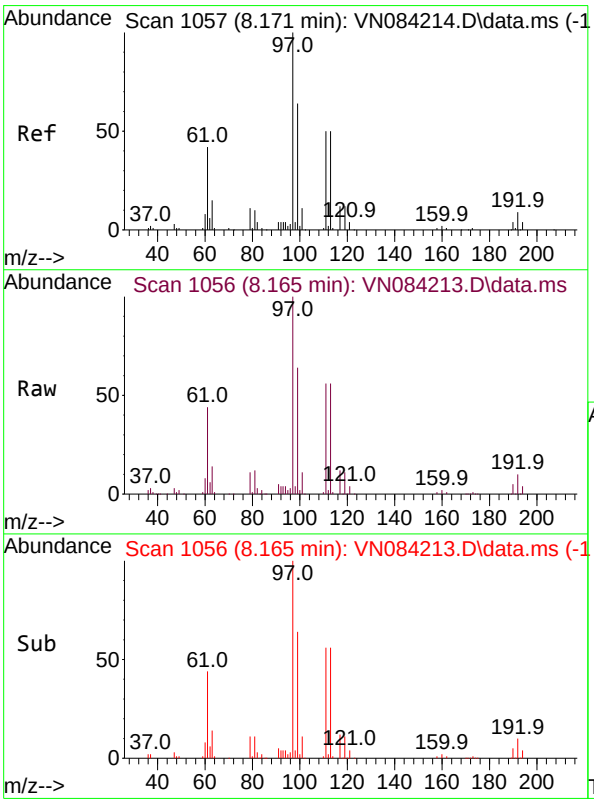
#31
Cyclohexane
Concen: 88.380 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

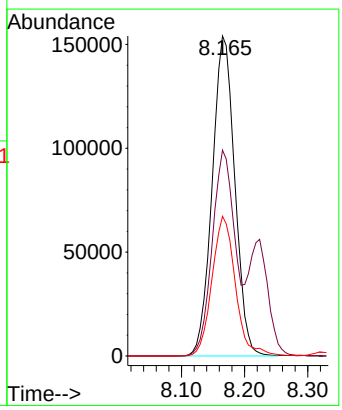


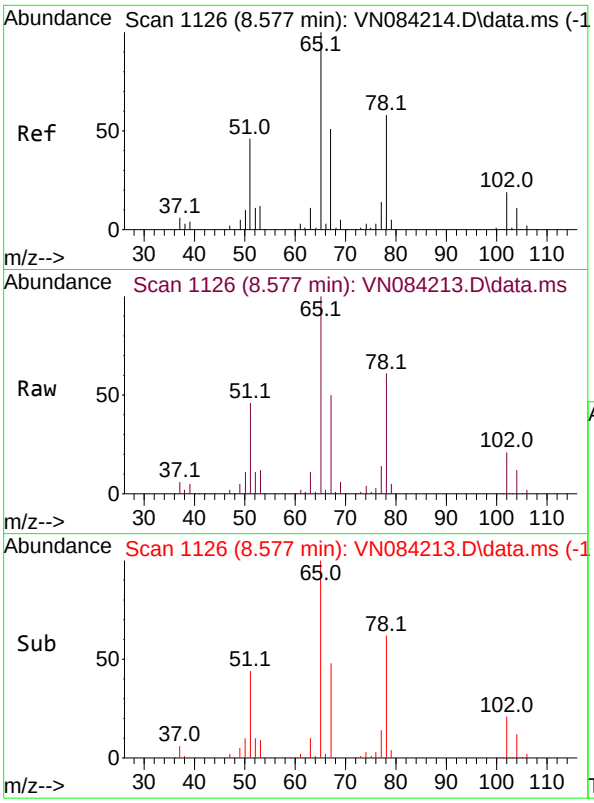


#32
1,1,1-Trichloroethane
Concen: 94.476 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



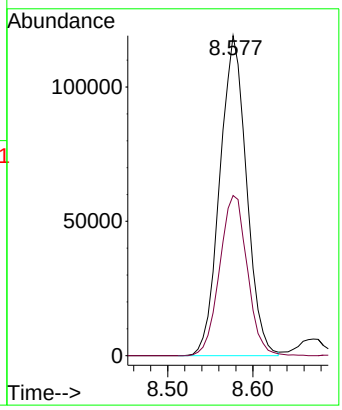


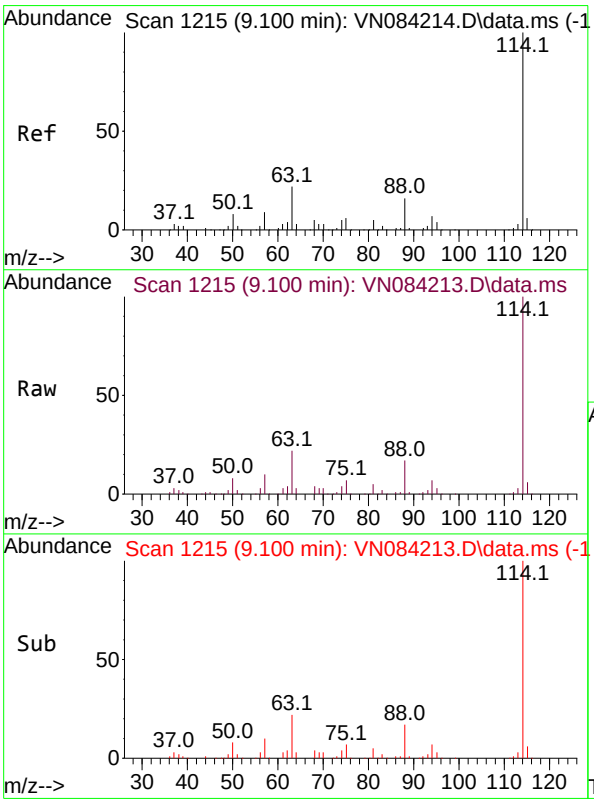
#33
1,2-Dichloroethane-d4
Concen: 90.797 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 259018

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0

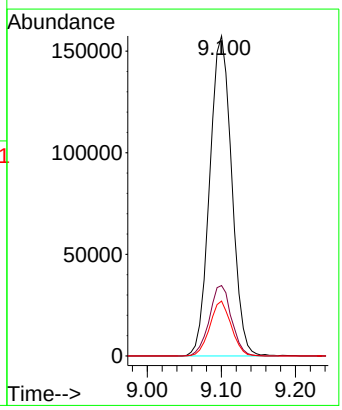


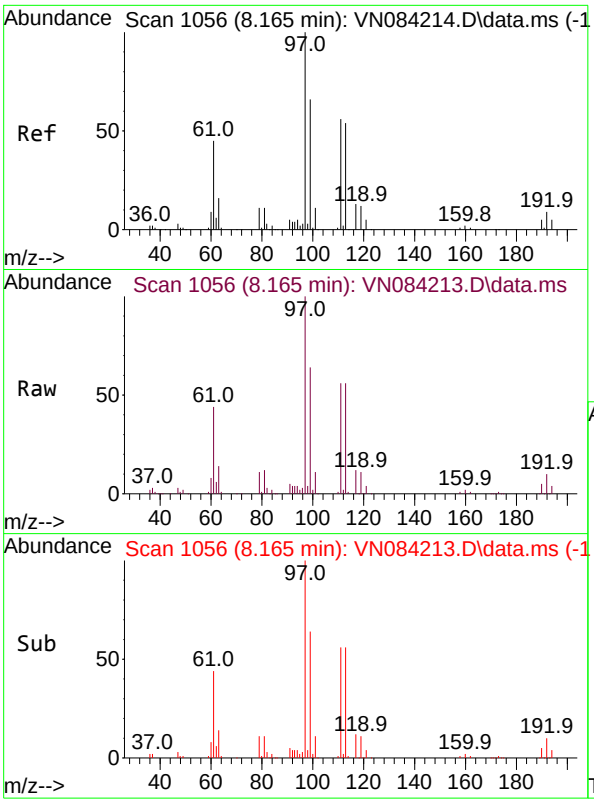


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



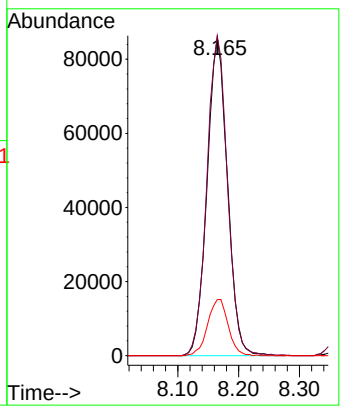


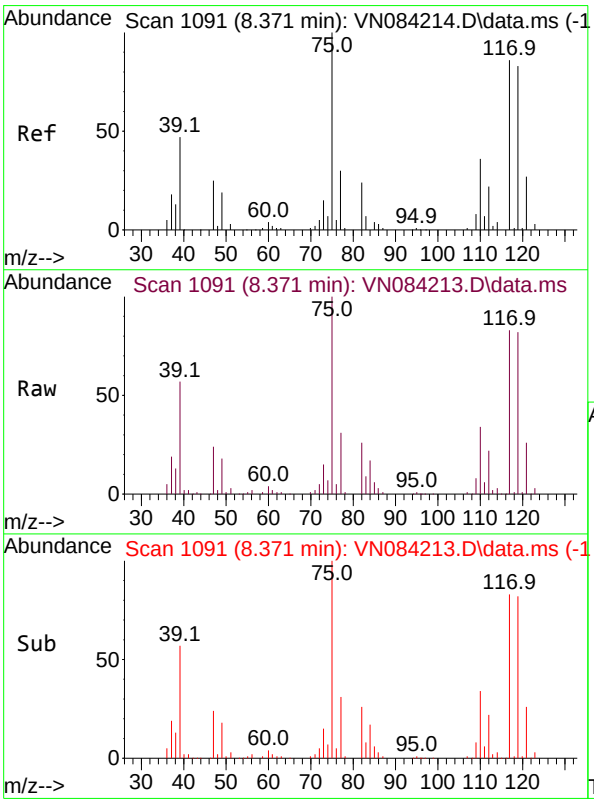
#35
Dibromofluoromethane
Concen: 93.542 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

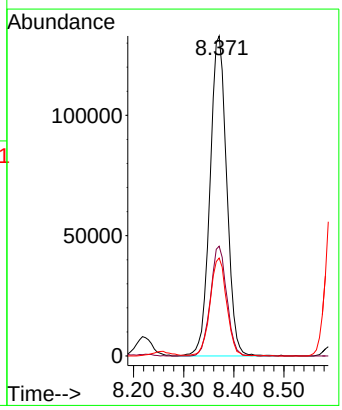


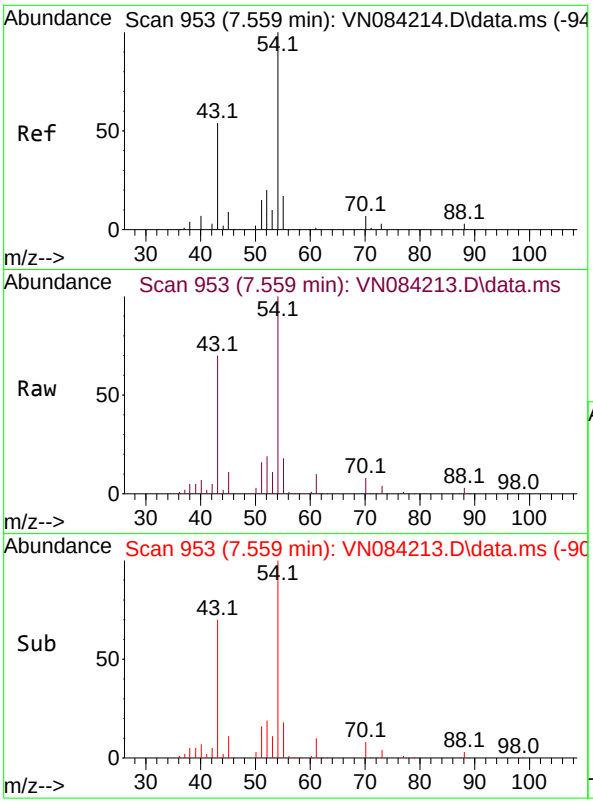


#36
1,1-Dichloropropene
Concen: 98.969 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



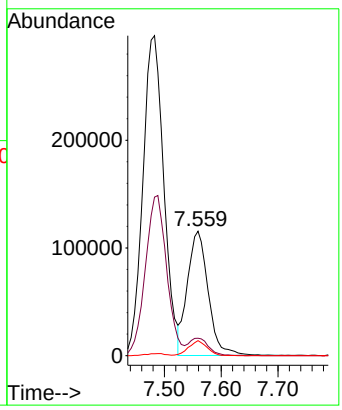


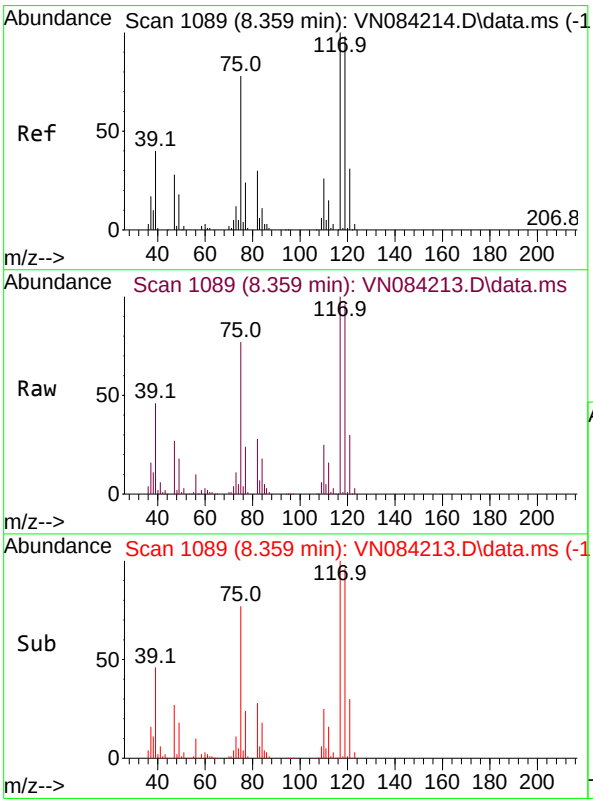
#37
Ethyl Acetate
Concen: 92.073 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

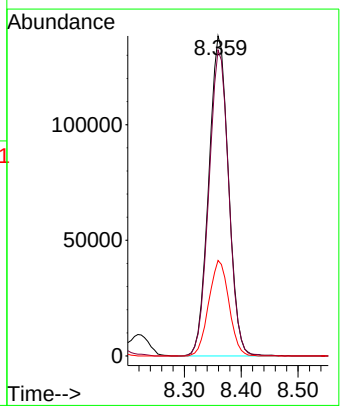


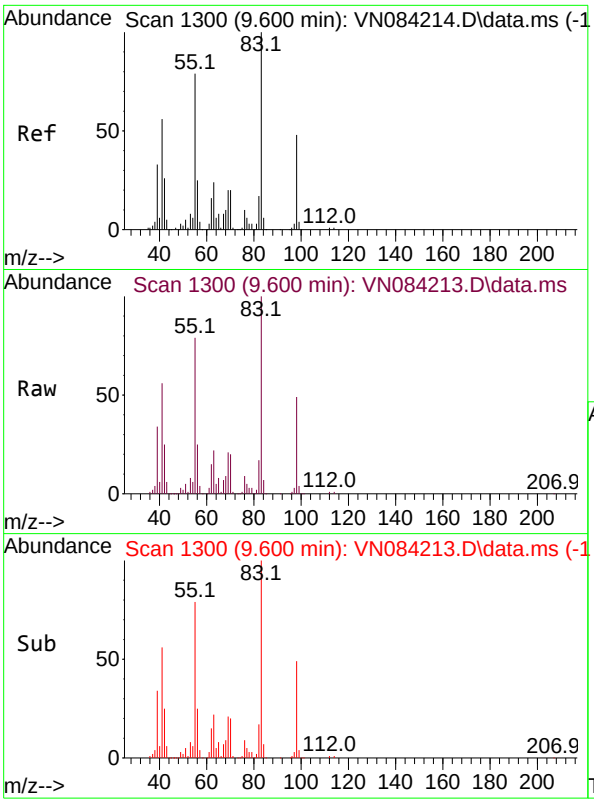


#38
Carbon Tetrachloride
Concen: 98.077 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



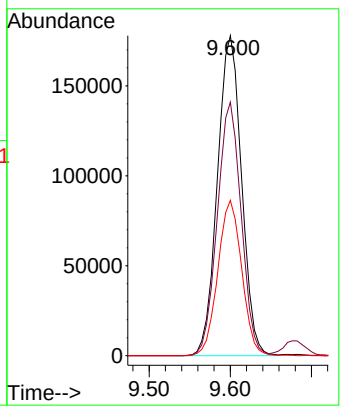


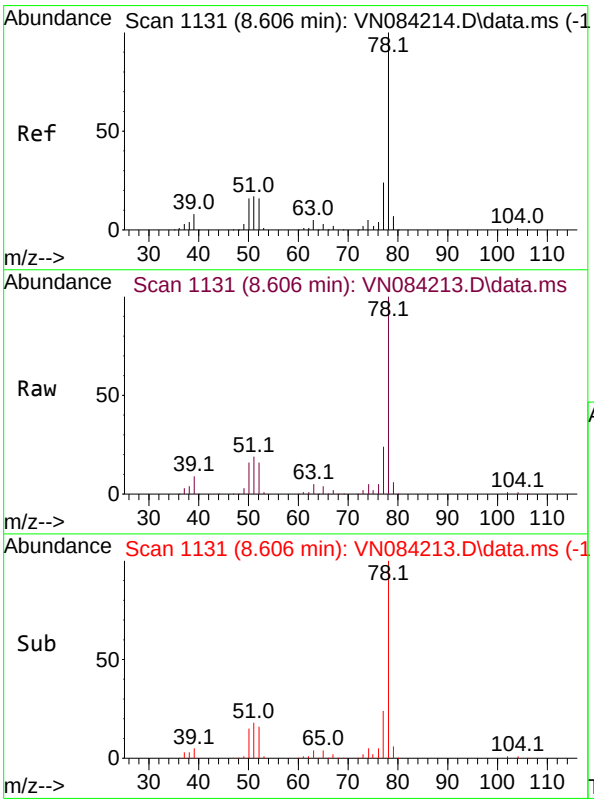
#39
Methylcyclohexane
Concen: 106.466 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

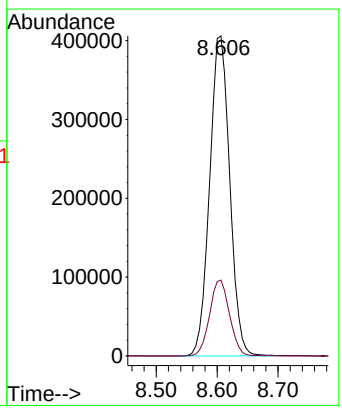


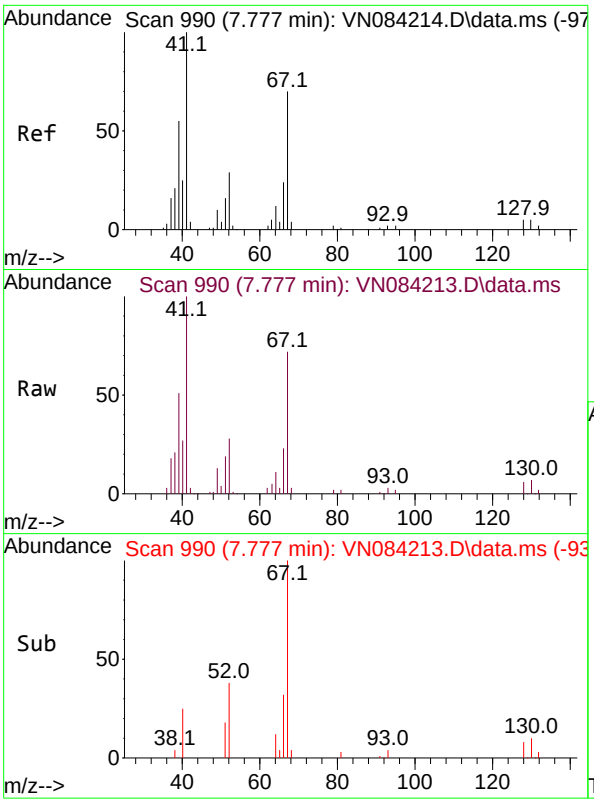


#40
Benzene
Concen: 96.145 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 78 Resp: 931076

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7



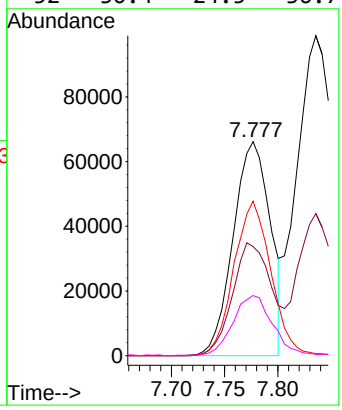


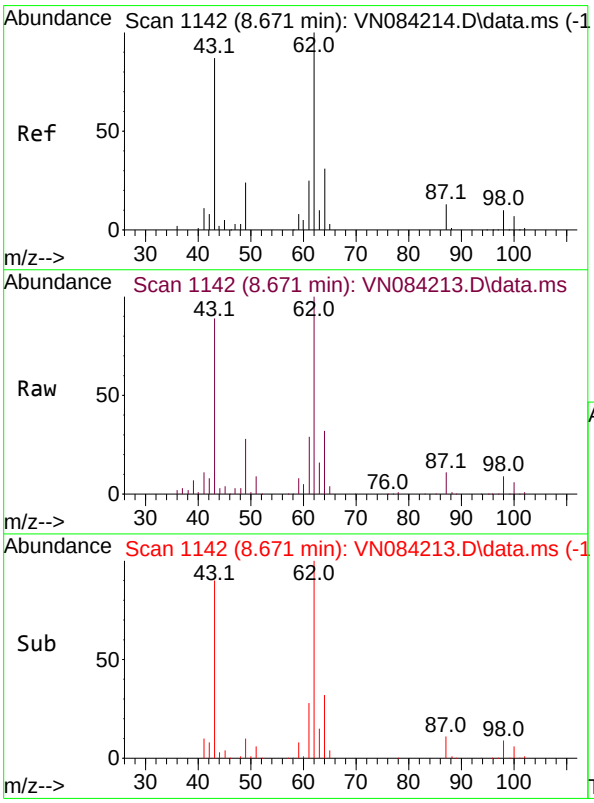
#41
Methacrylonitrile
Concen: 92.581 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

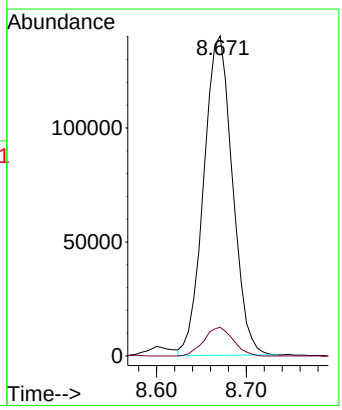


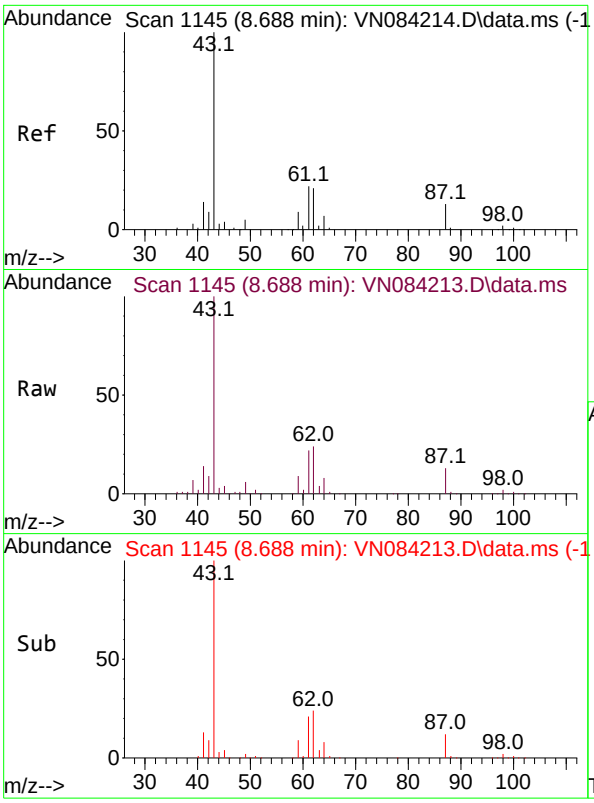


#42
1,2-Dichloroethane
Concen: 94.900 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 62 Resp: 311563

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



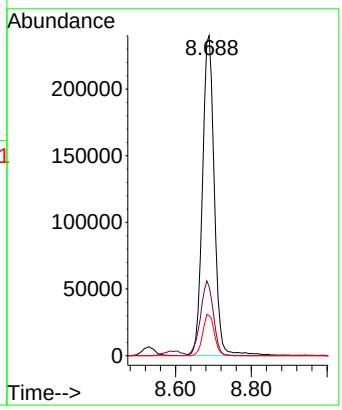


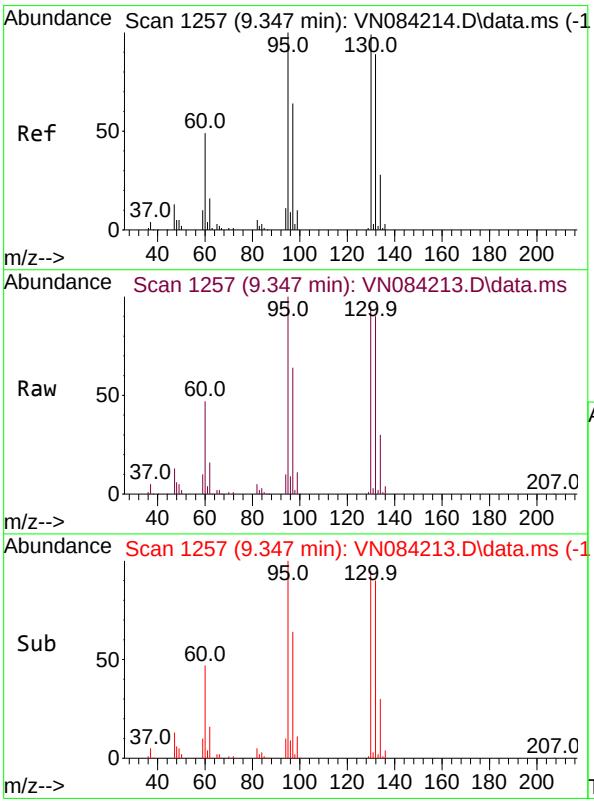
#43
Isopropyl Acetate
Concen: 83.581 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

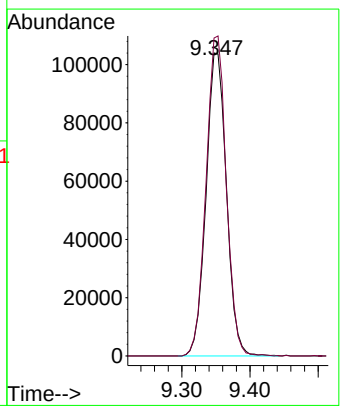


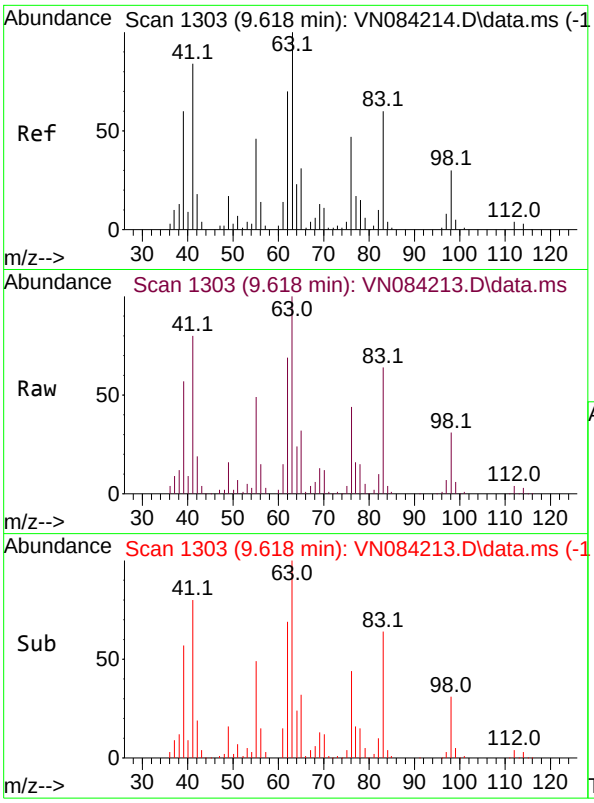


#44
Trichloroethene
Concen: 95.798 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:130 Resp: 216678

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.0



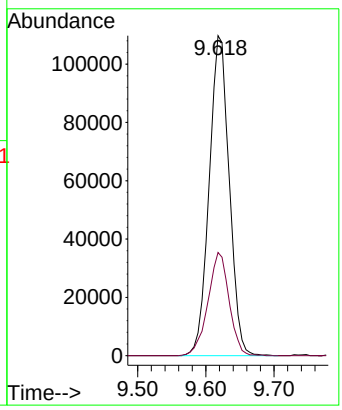


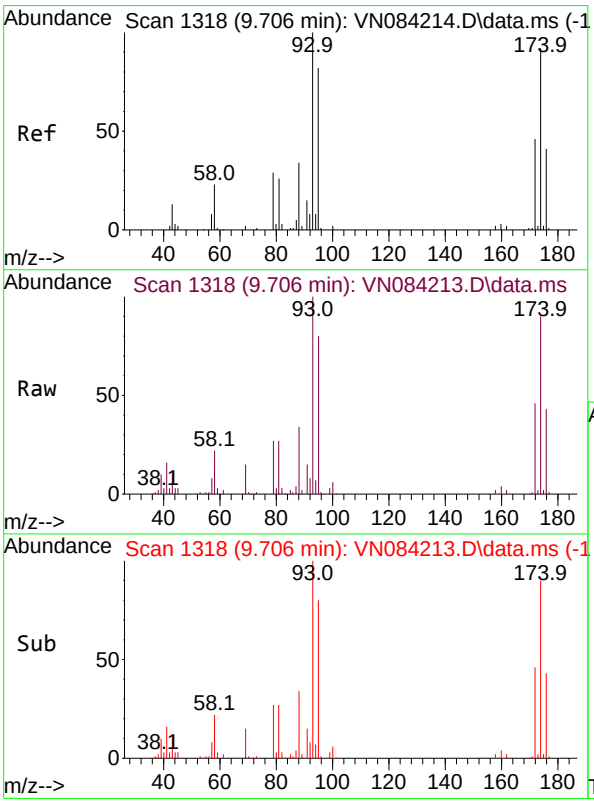
#45
1,2-Dichloropropane
Concen: 98.095 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 224724

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	37.0

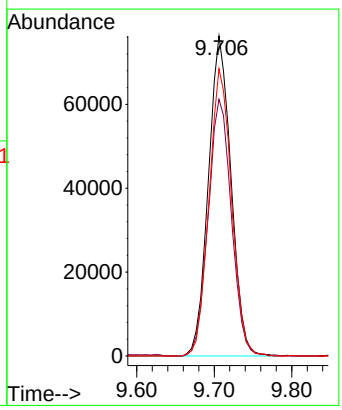


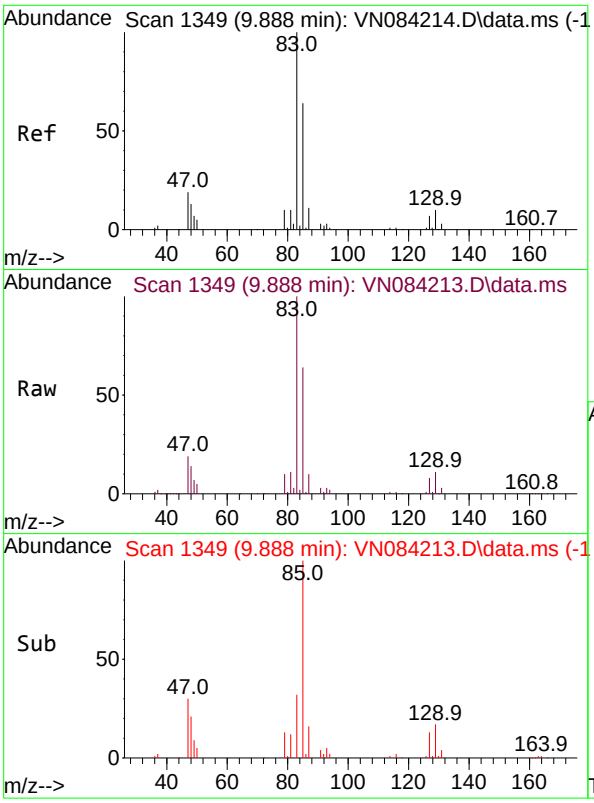


#46
Dibromomethane
Concen: 100.091 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



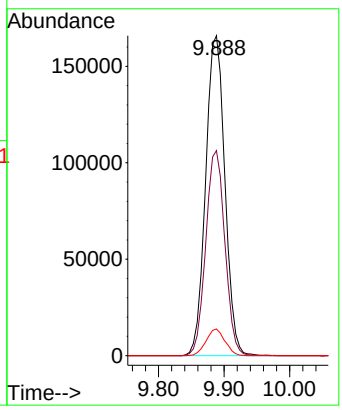


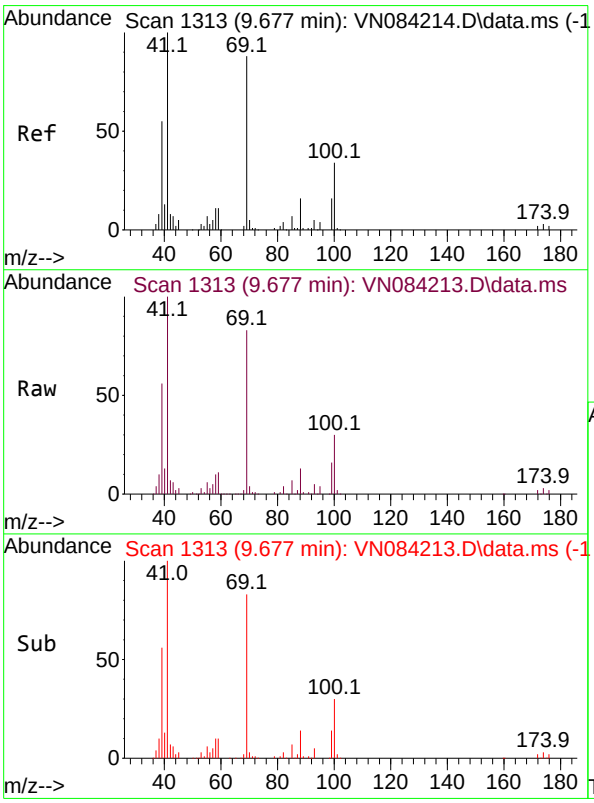
#47
Bromodichloromethane
Concen: 98.526 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

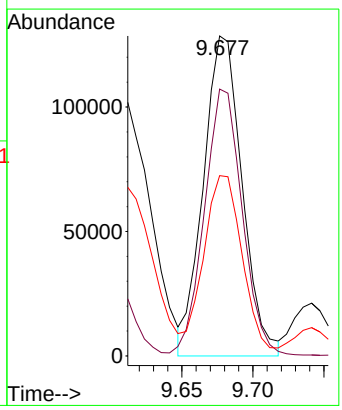


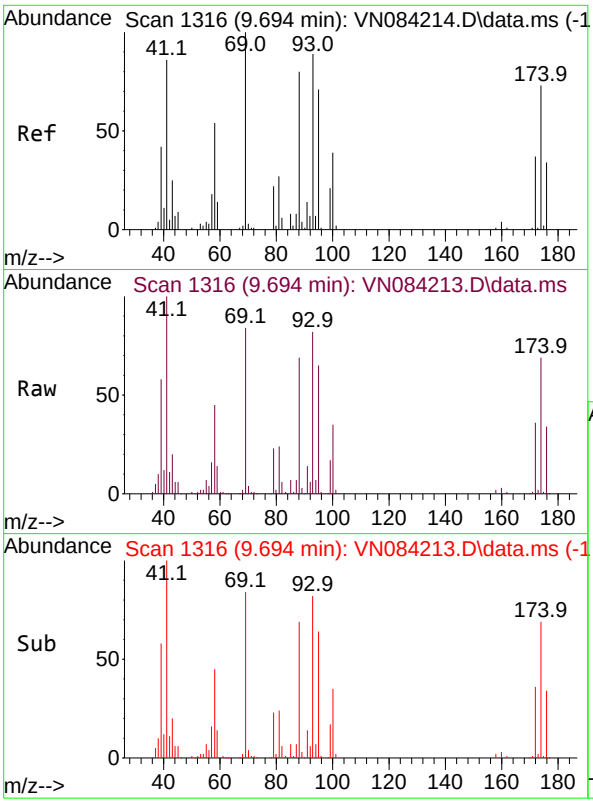


#48
Methyl methacrylate
Concen: 98.163 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



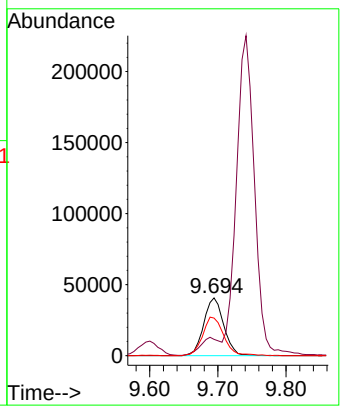


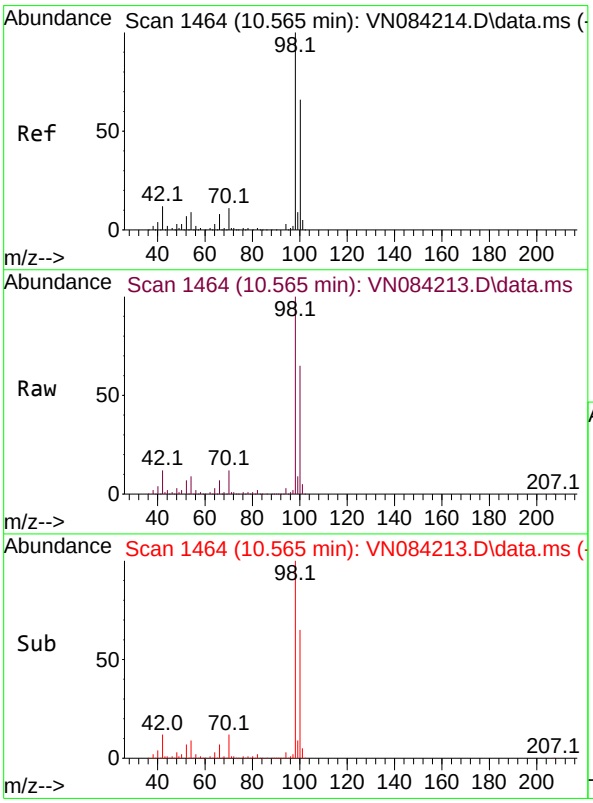
#49
1,4-Dioxane
Concen: 1810.110 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

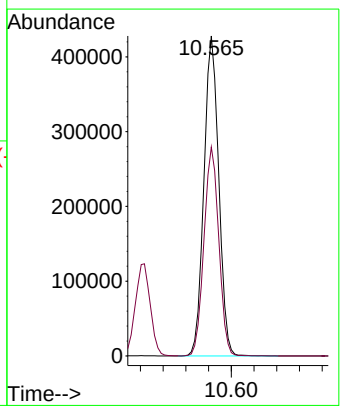


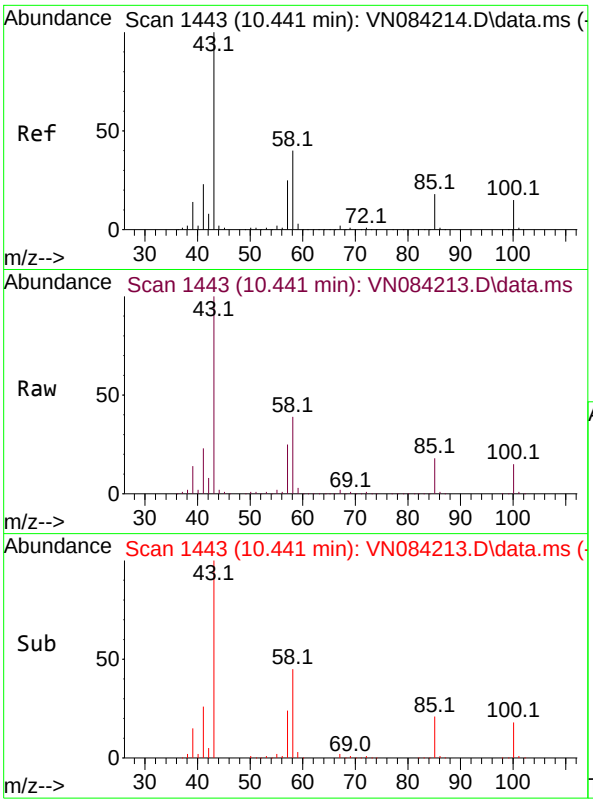


#50
Toluene-d8
Concen: 98.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 98 Resp: 772146

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



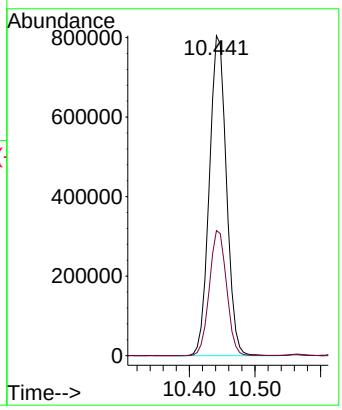


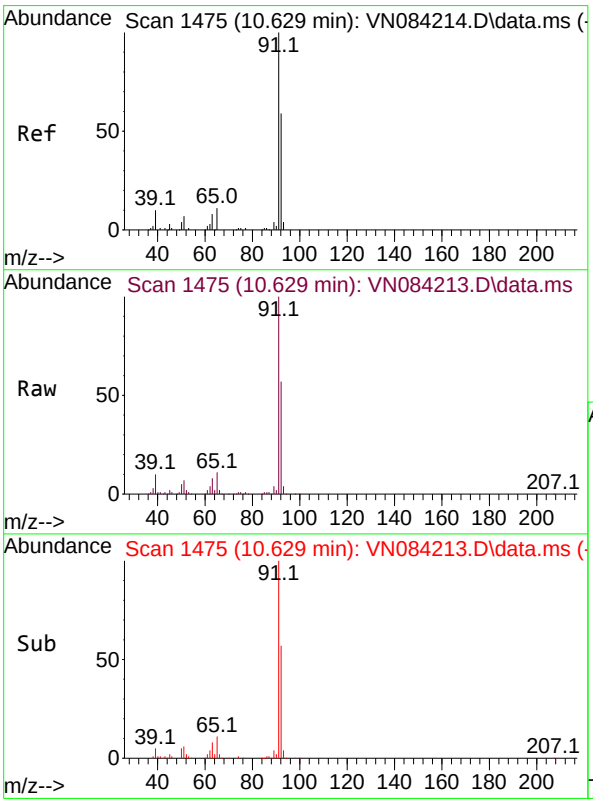
#51
4-Methyl-2-Pentanone
Concen: 479.699 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1456154

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4

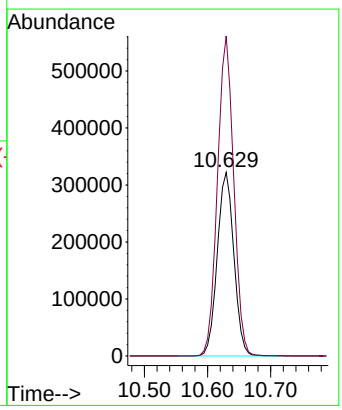


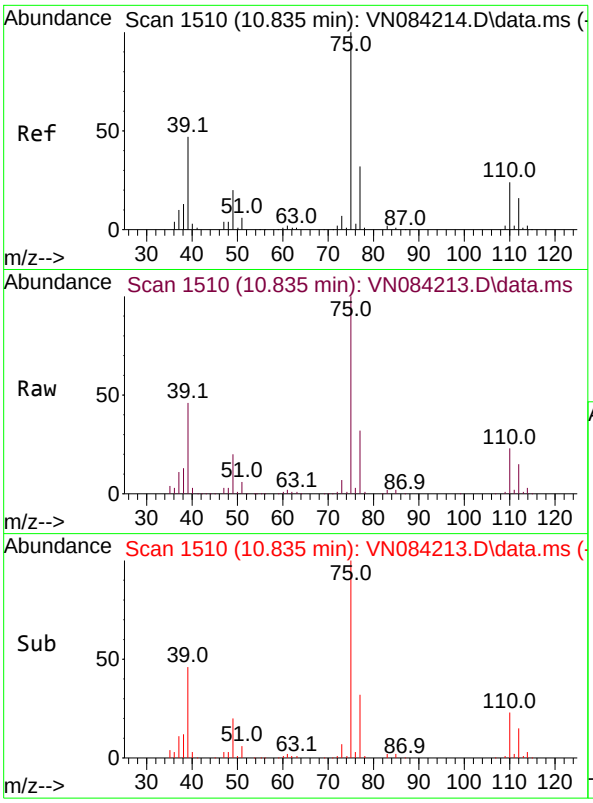


#52
Toluene
Concen: 99.324 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 92 Resp: 586544

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



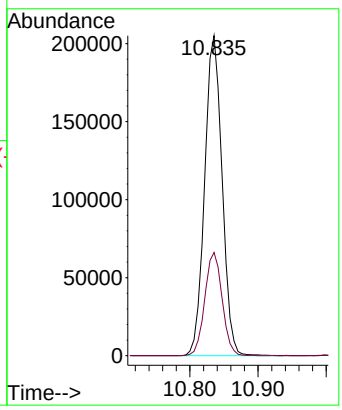


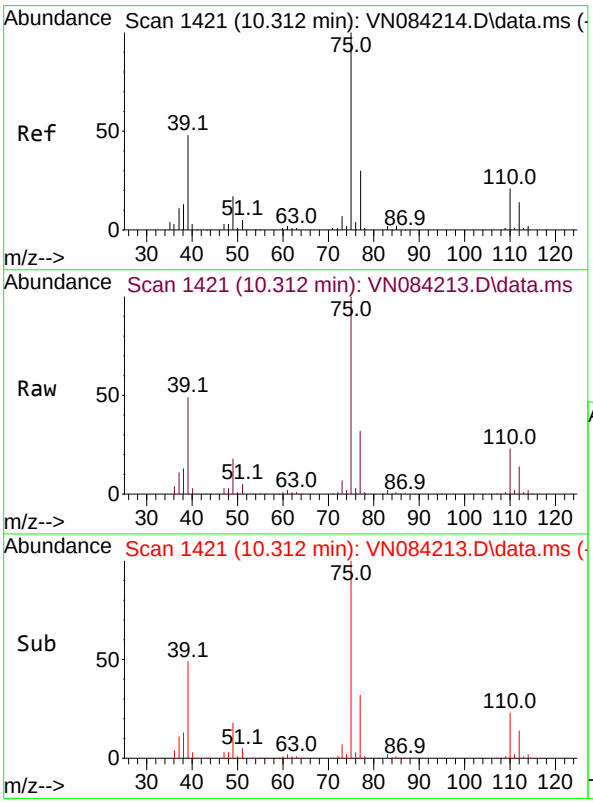
#53
t-1,3-Dichloropropene
Concen: 104.280 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 365099

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

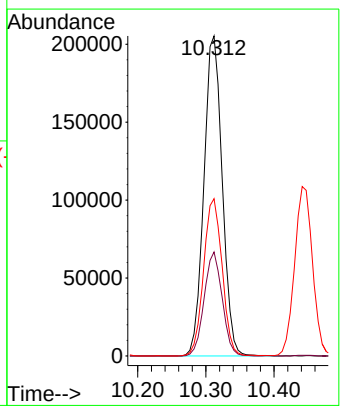


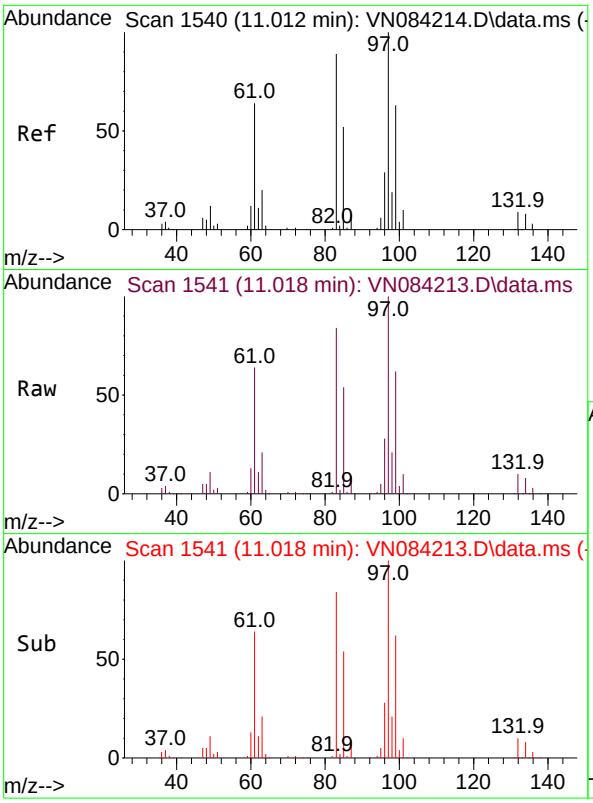


#54
cis-1,3-Dichloropropene
Concen: 101.975 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



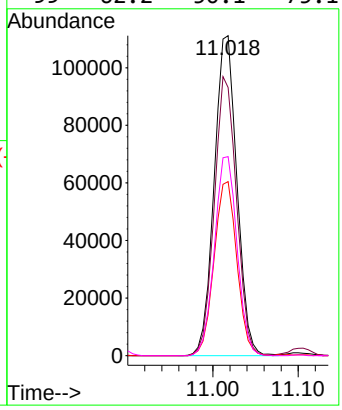


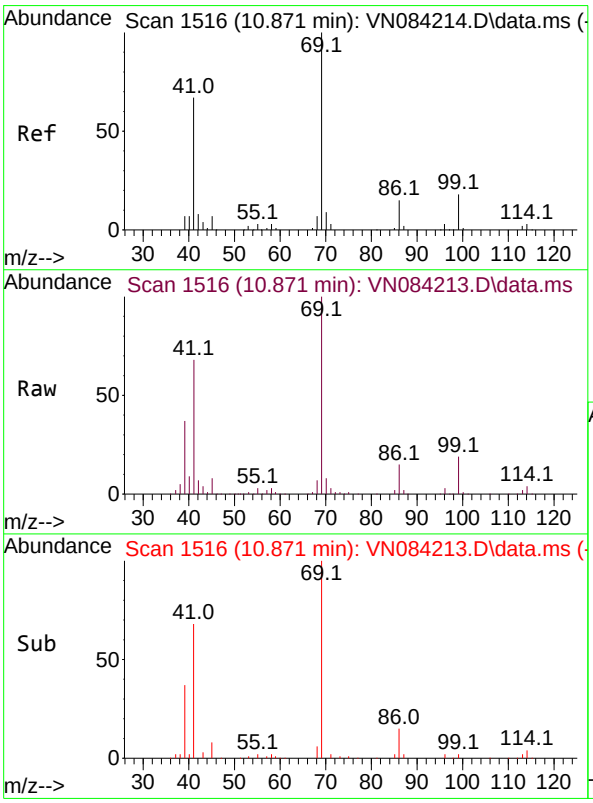
#55
1,1,2-Trichloroethane
Concen: 97.170 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

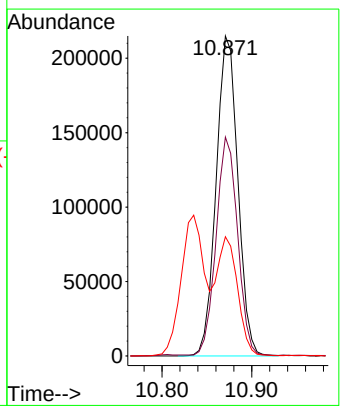


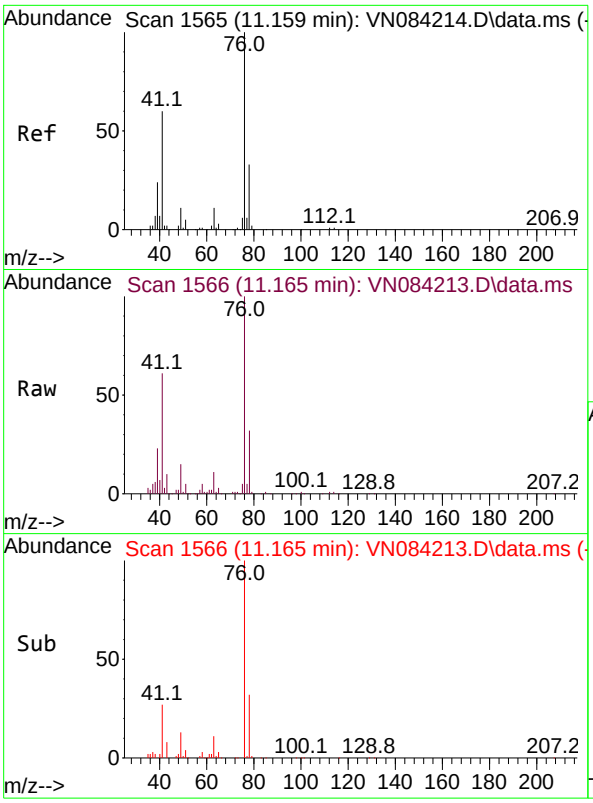


#56
Ethyl methacrylate
Concen: 103.608 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



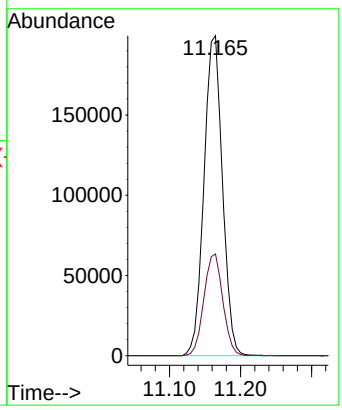


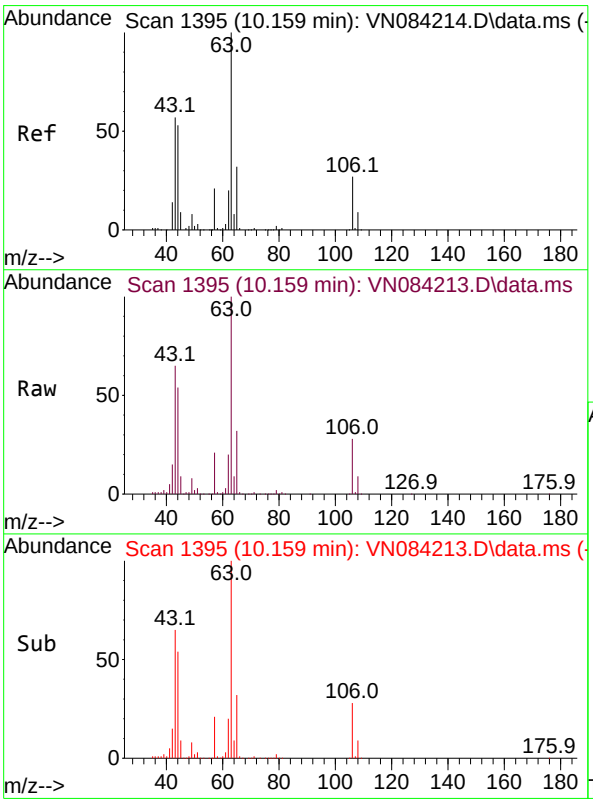
#57
1,3-Dichloropropane
Concen: 95.326 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 360601

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

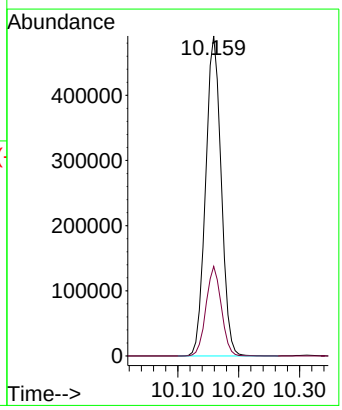


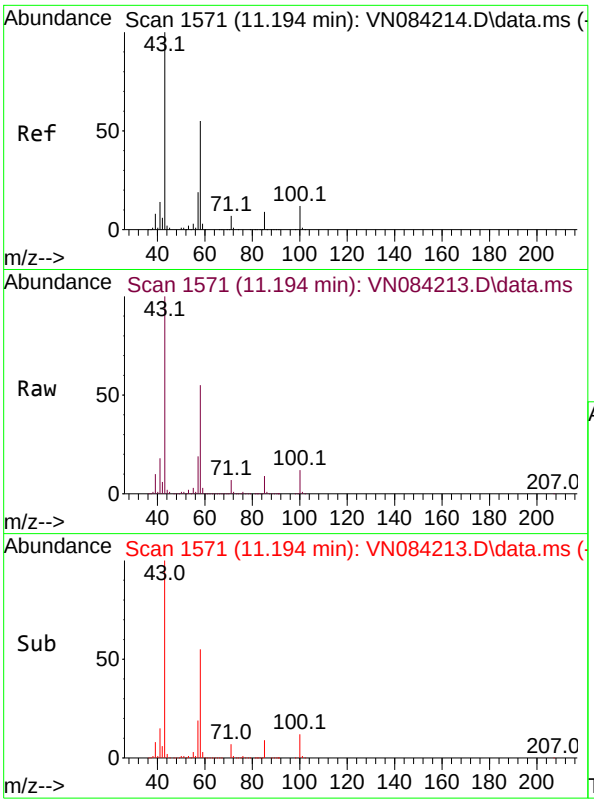


#58
2-Chloroethyl Vinyl ether
Concen: 538.640 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 63 Resp: 870416

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6



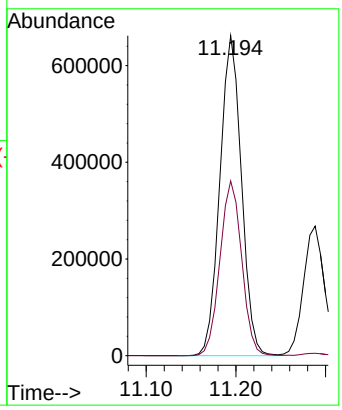


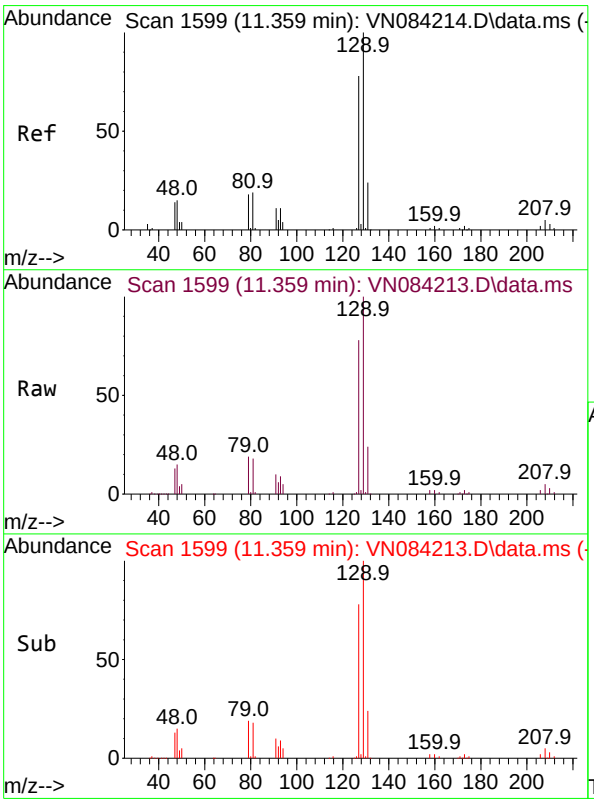
#59
2-Hexanone
Concen: 487.363 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1105736

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

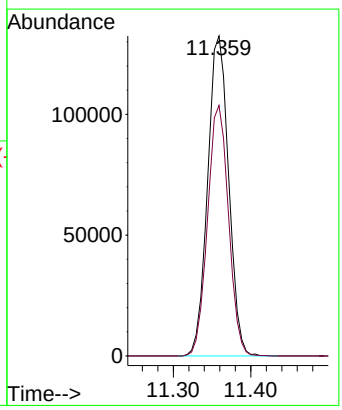


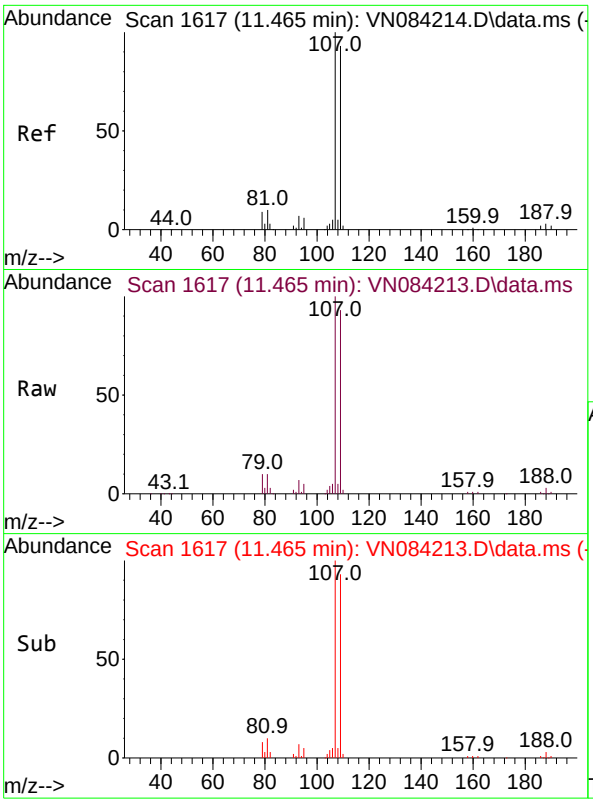


#60
Dibromochloromethane
Concen: 99.721 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:129 Resp: 249435

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9



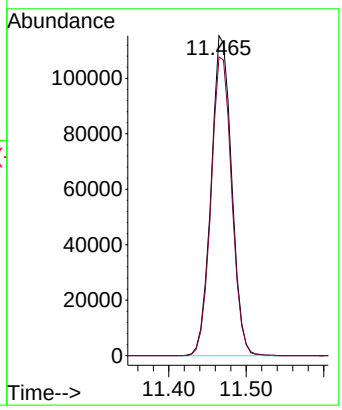


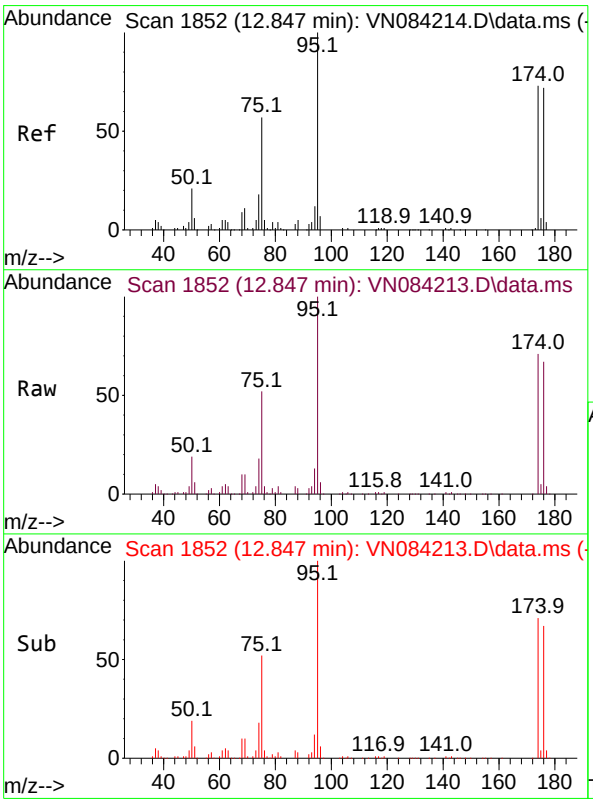
#61
1,2-Dibromoethane
Concen: 96.694 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 212705

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.0

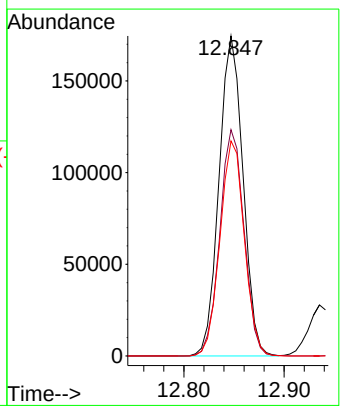


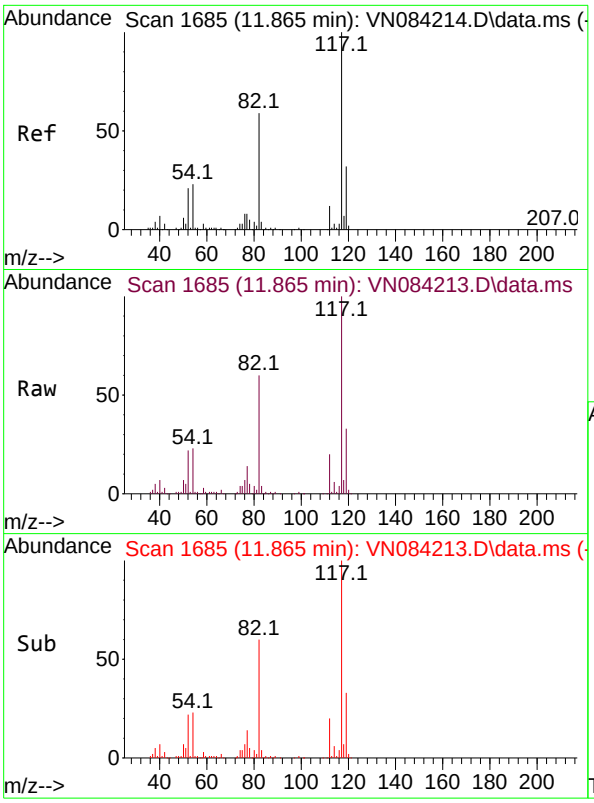


#62
4-Bromofluorobenzene
Concen: 101.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



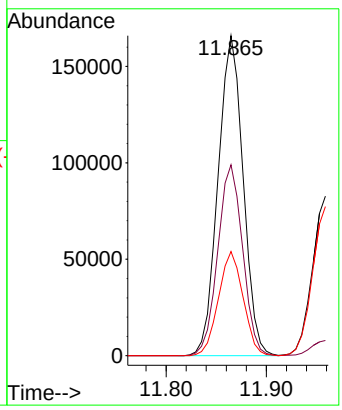


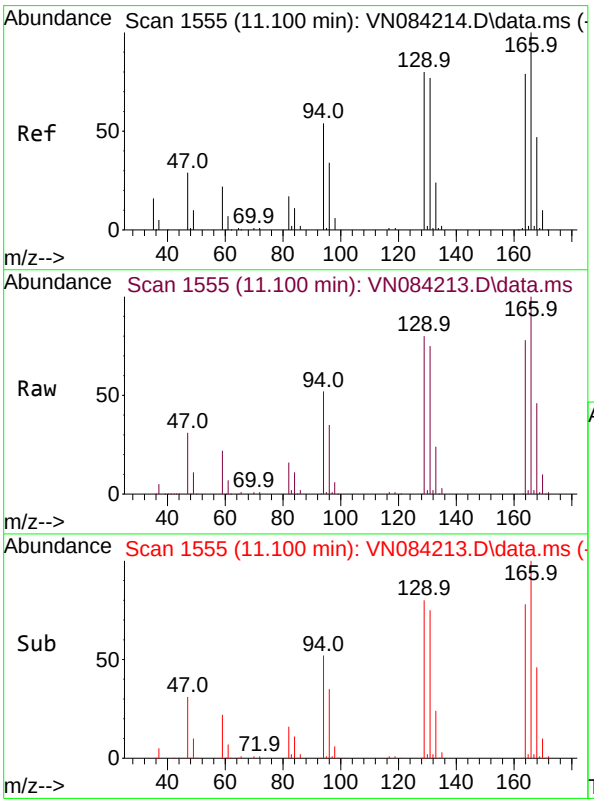
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

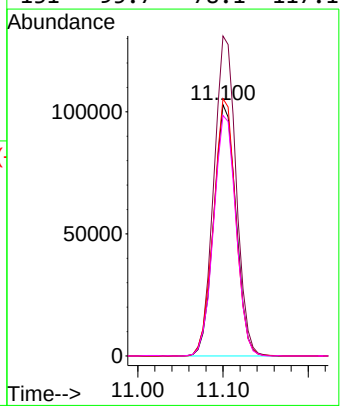


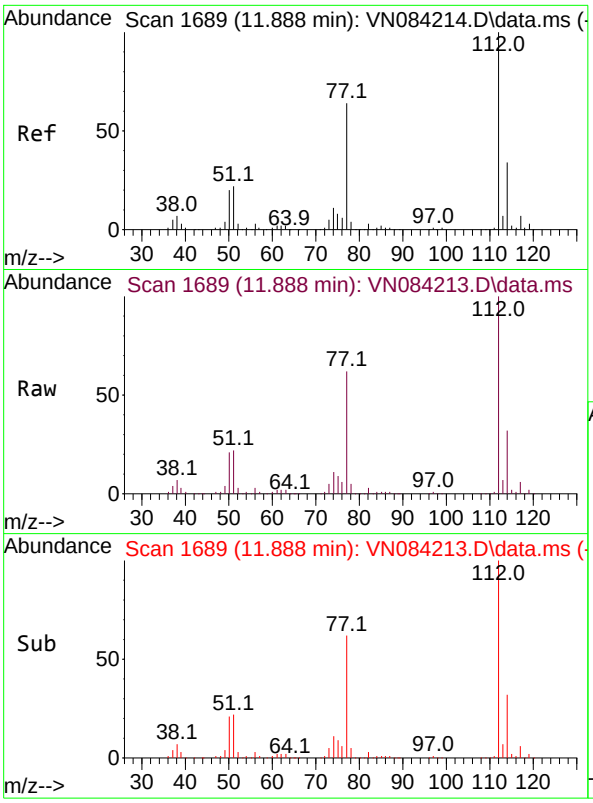


#64
Tetrachloroethene
Concen: 92.608 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



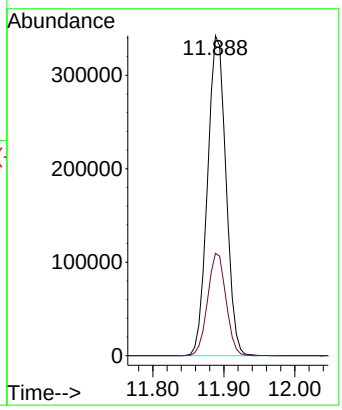


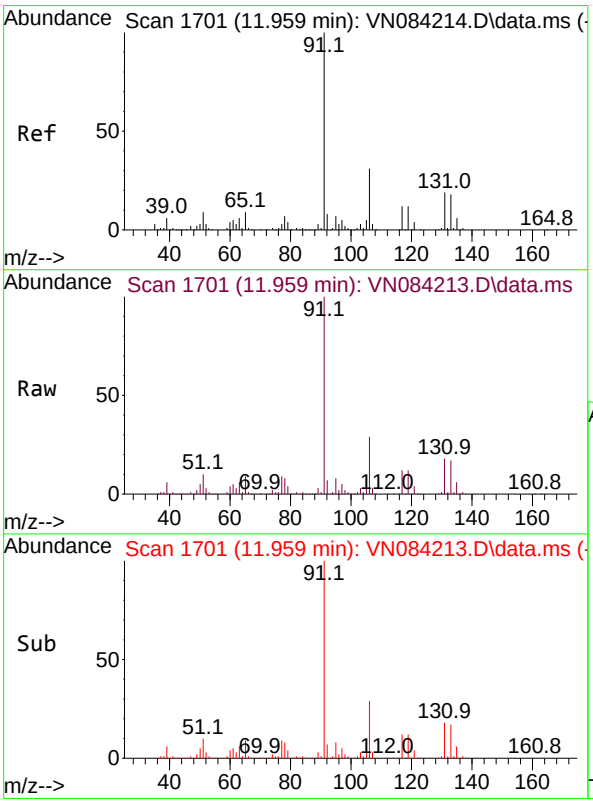
#65
Chlorobenzene
Concen: 96.376 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 616423

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6

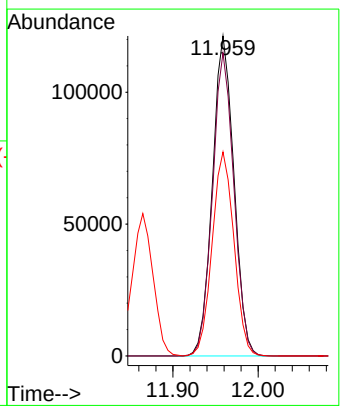


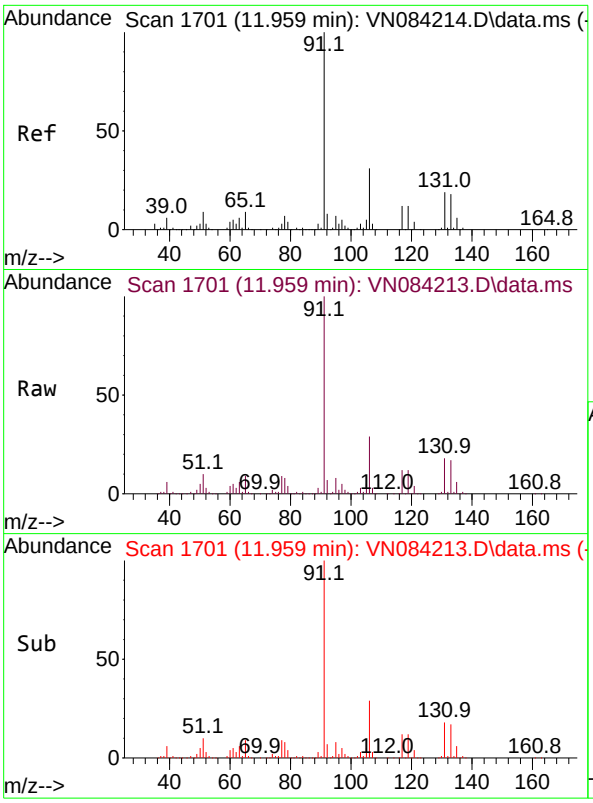


#66
1,1,1,2-Tetrachloroethane
Concen: 96.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



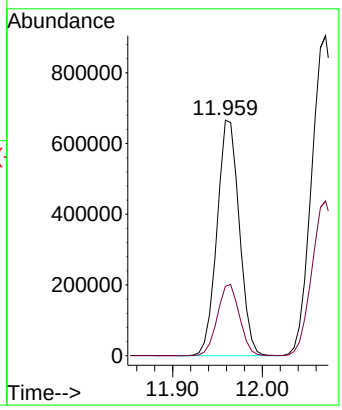


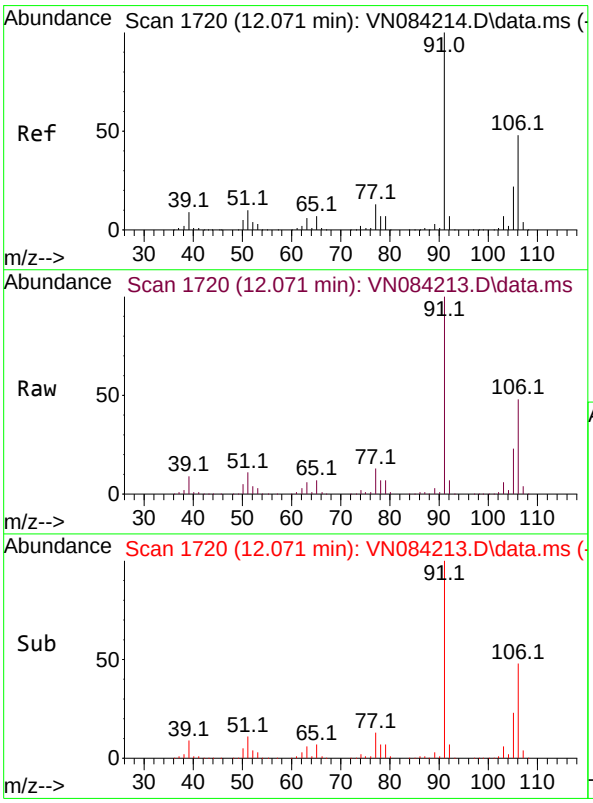
#67
Ethyl Benzene
Concen: 101.385 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1146786

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.5	36.7

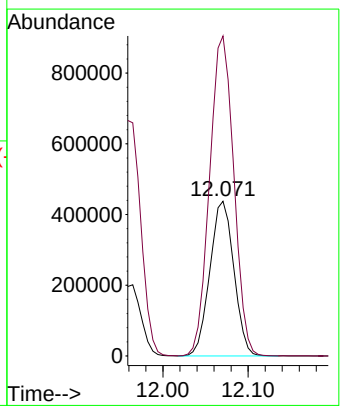


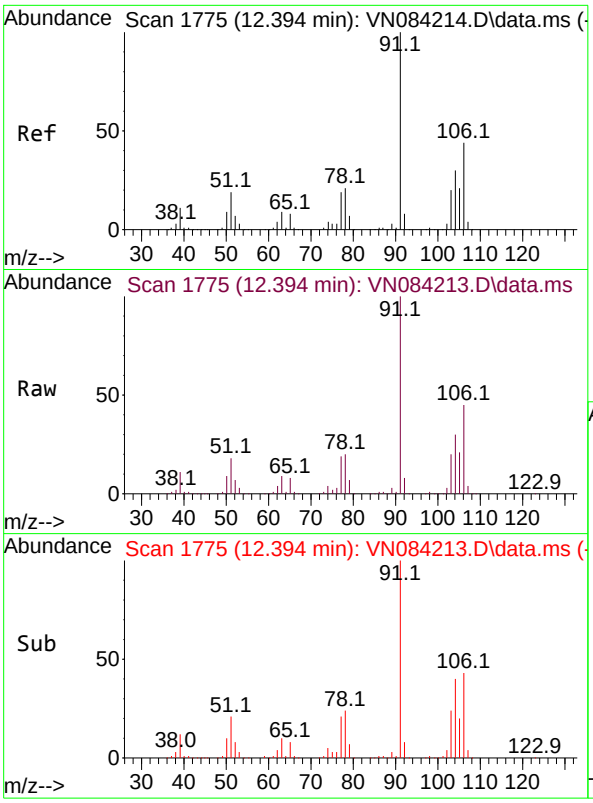


#68
m/p-Xylenes
Concen: 204.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:106 Resp: 855381

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.1	250.7



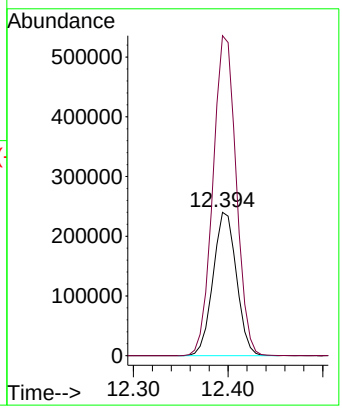


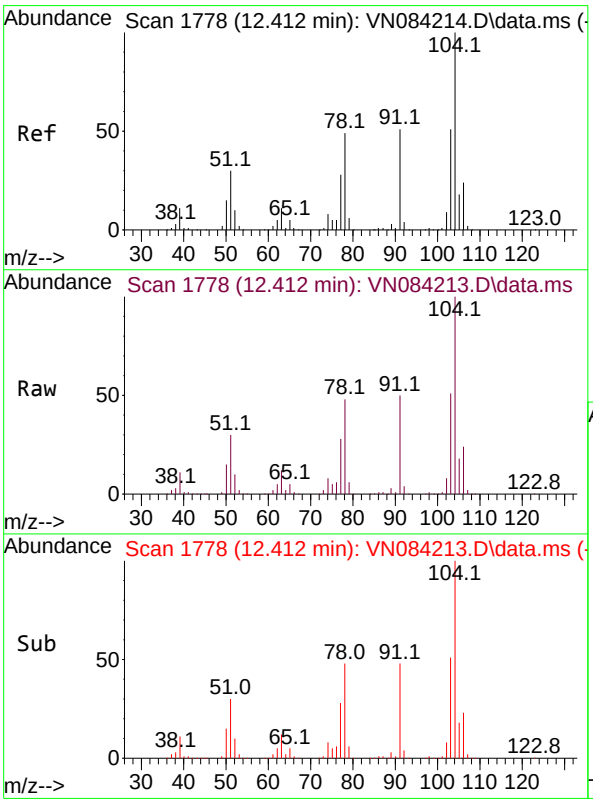
#69
o-Xylene
Concen: 104.101 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 412098

Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.2	330.6

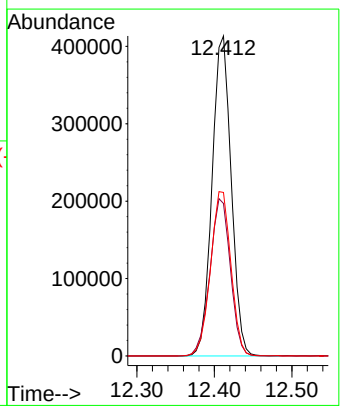


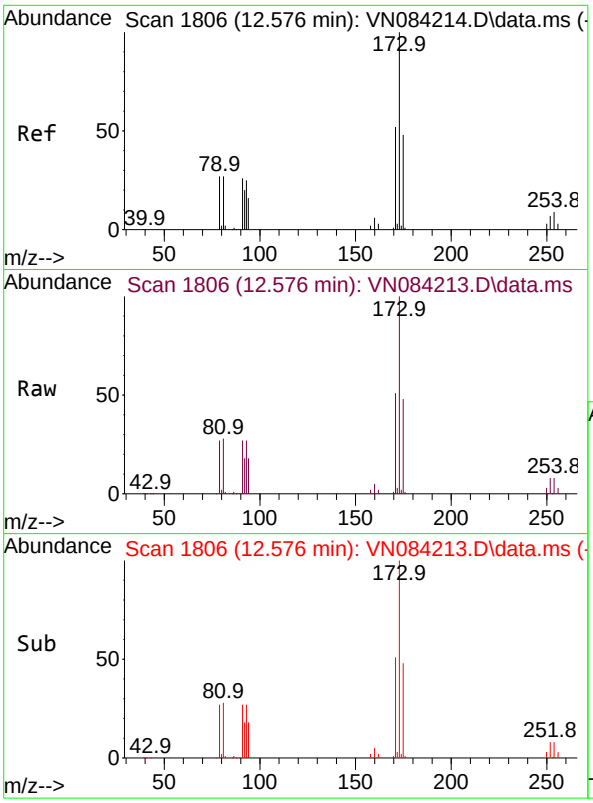


#70
Styrene
Concen: 106.165 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



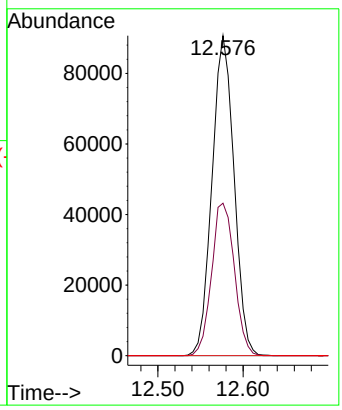


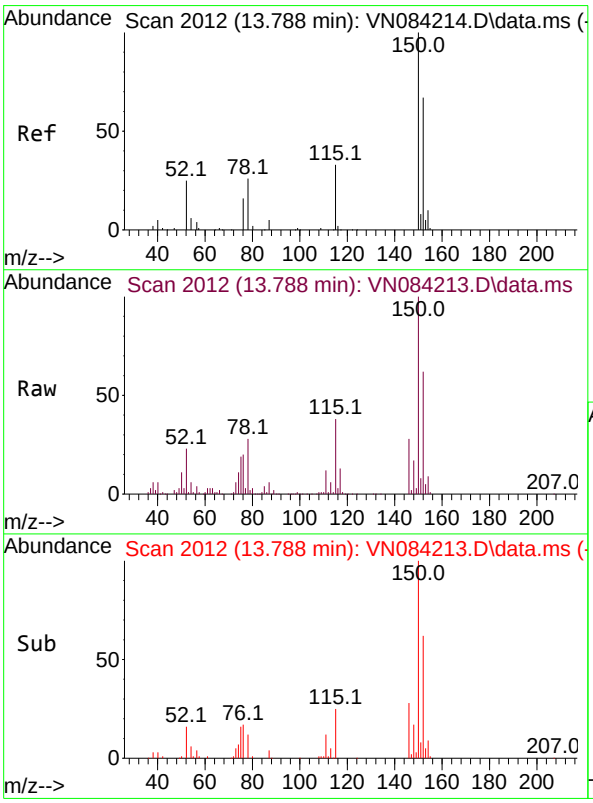
#71
Bromoform
Concen: 100.412 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

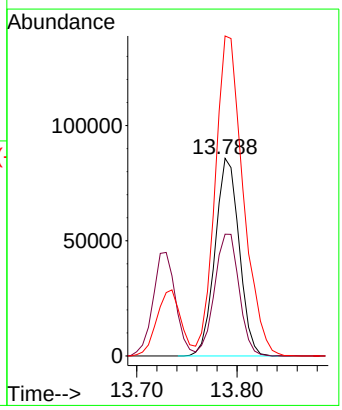


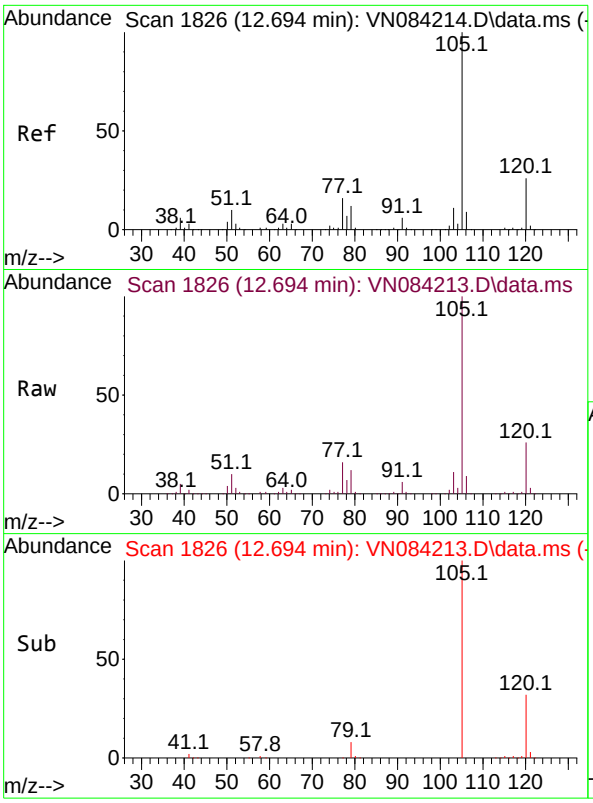


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



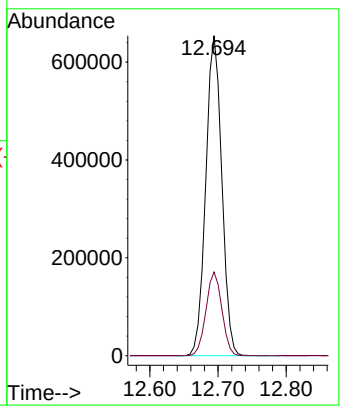


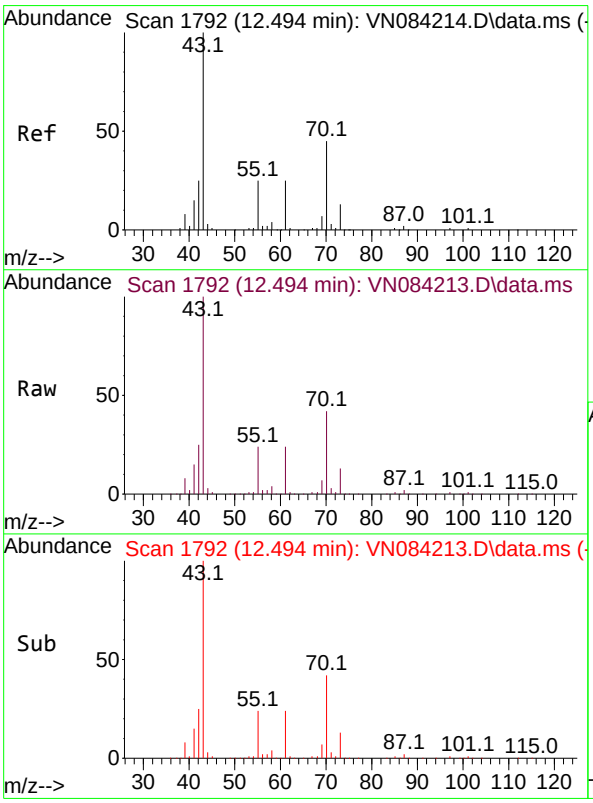
#73
Isopropylbenzene
Concen: 97.936 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1067798

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

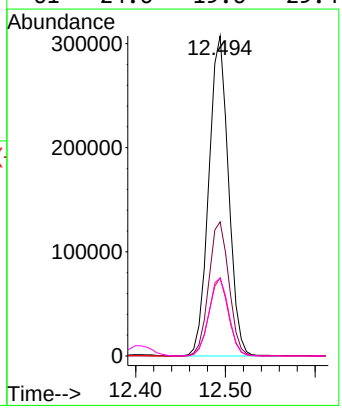


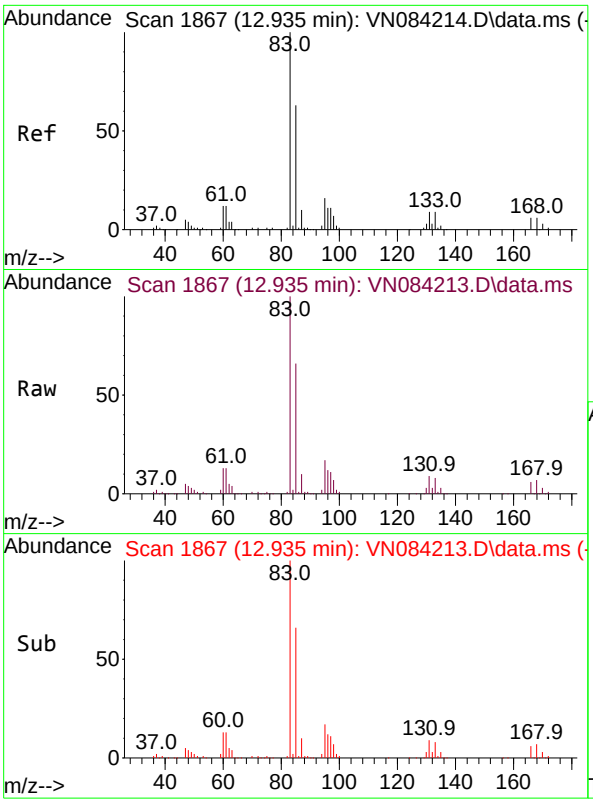


#74
N-amyl acetate
Concen: 94.716 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



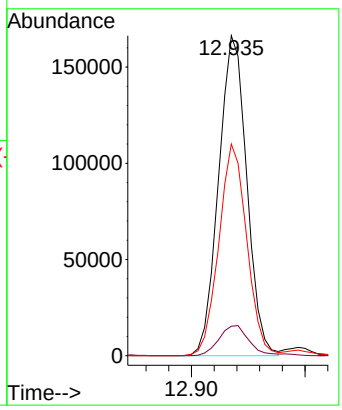


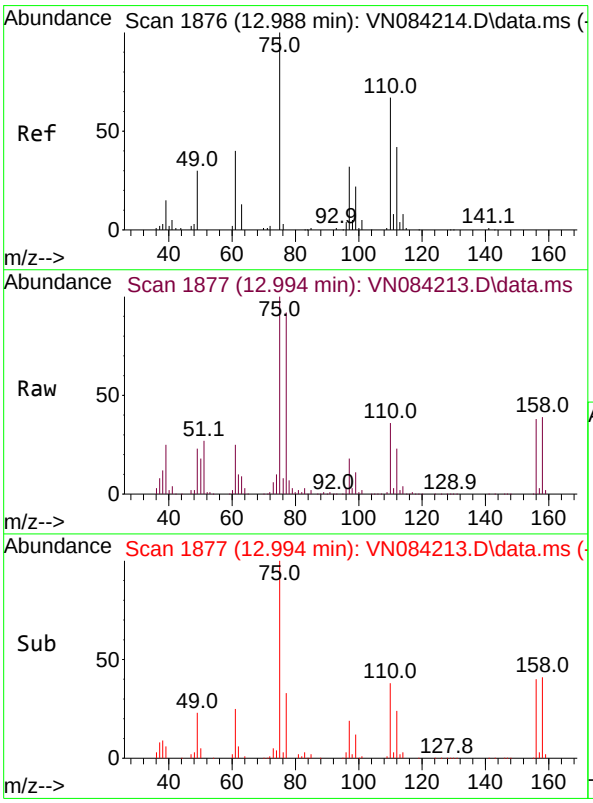
#75
1,1,2,2-Tetrachloroethane
Concen: 87.285 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

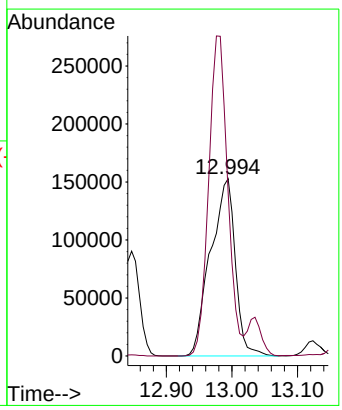


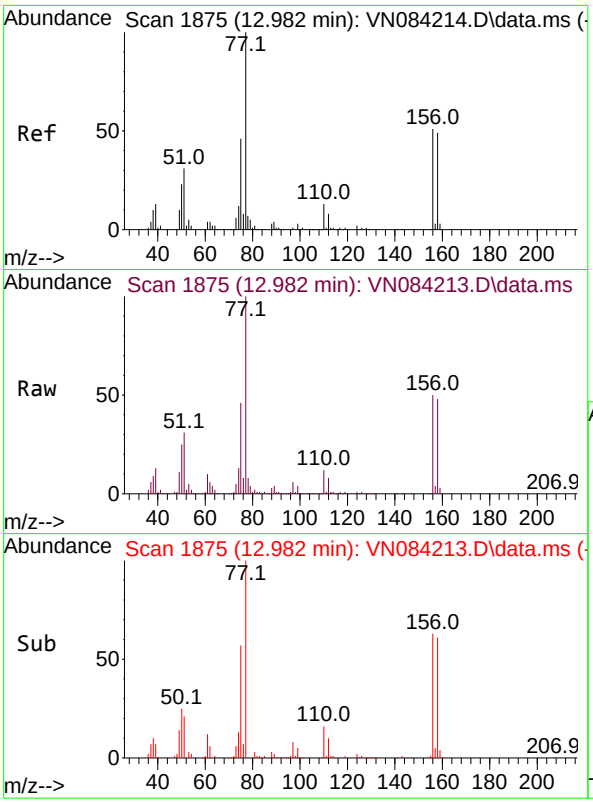


#76
1,2,3-Trichloropropane
Concen: 140.449 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 75 Resp: 399963

Ion	Ratio	Lower	Upper
75	100		
77	139.8	96.9	290.7



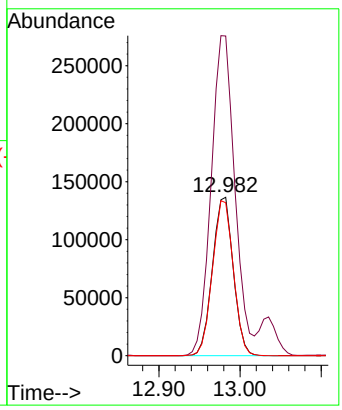


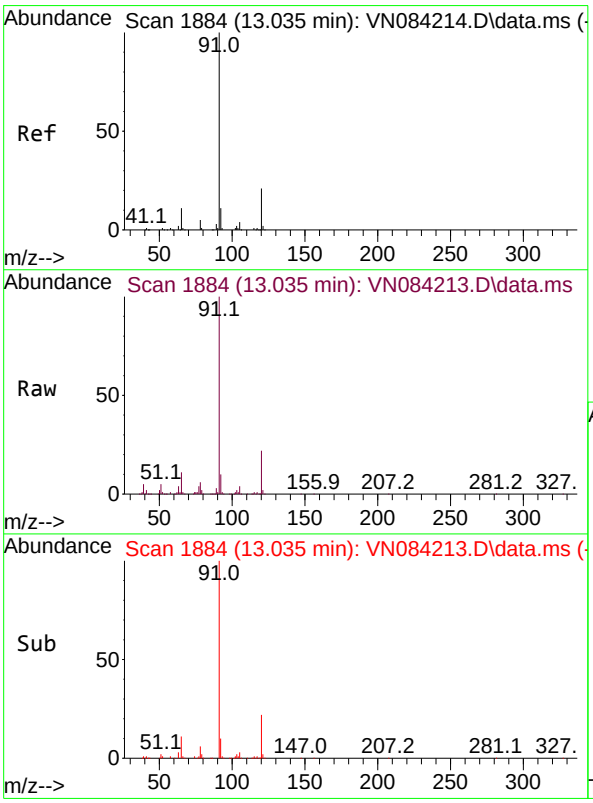
#77
Bromobenzene
Concen: 92.425 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

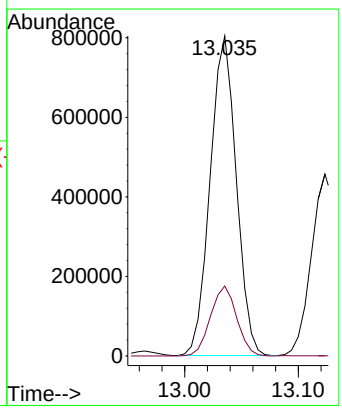


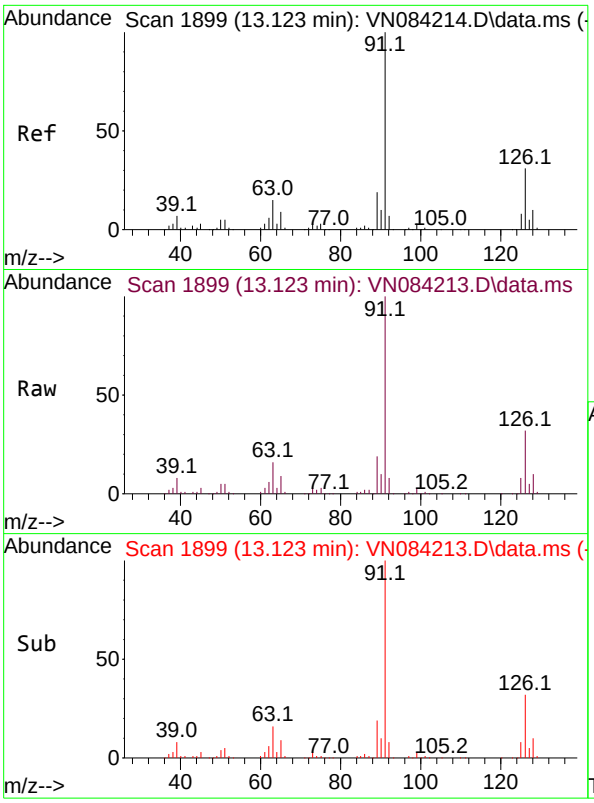


#78
n-propylbenzene
Concen: 101.754 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 1285399

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



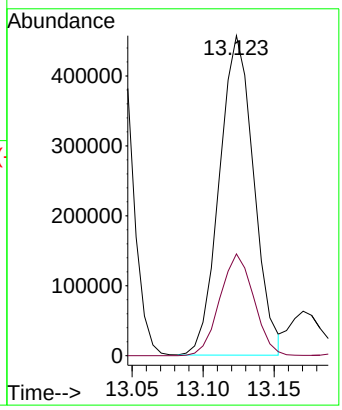


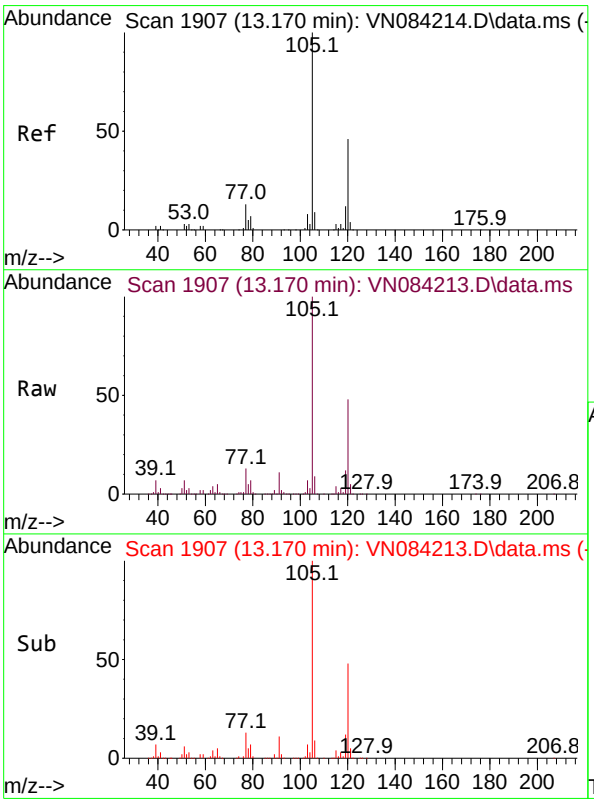
#79
2-Chlorotoluene
Concen: 95.567 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 770341

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

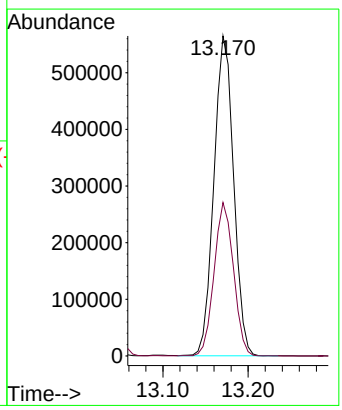


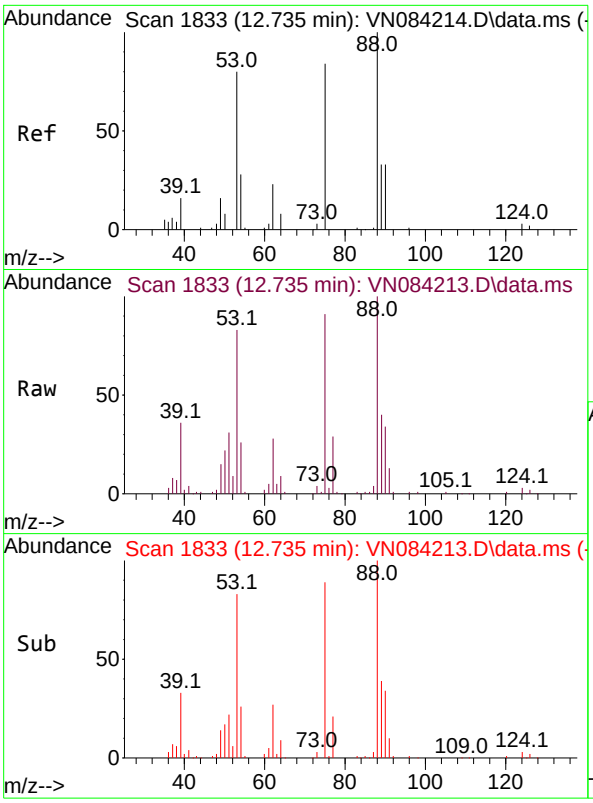


#80
1,3,5-Trimethylbenzene
Concen: 101.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 905999

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1



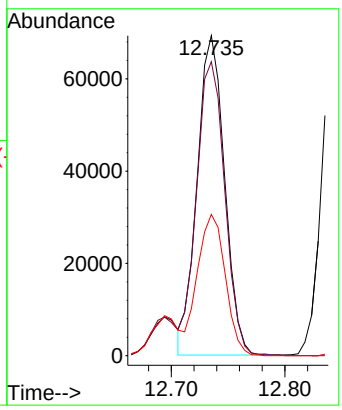


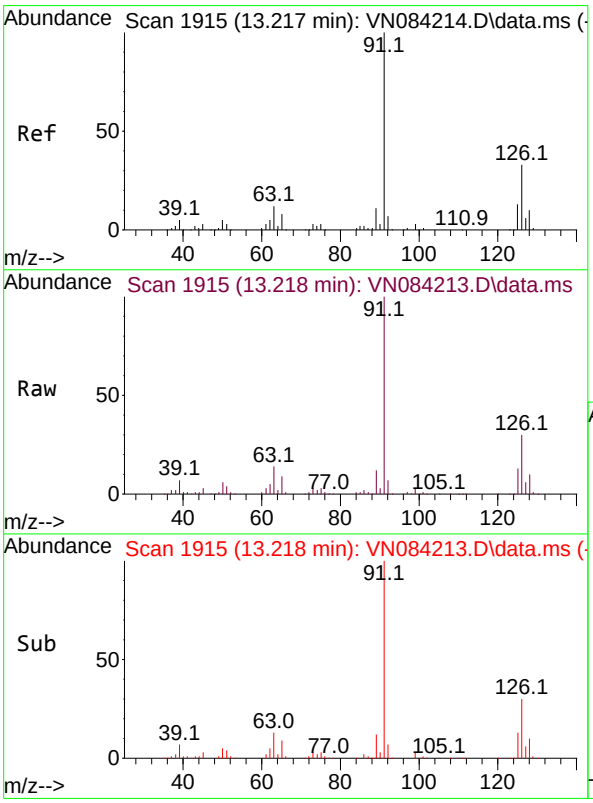
#81
trans-1,4-Dichloro-2-butene
Concen: 95.579 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

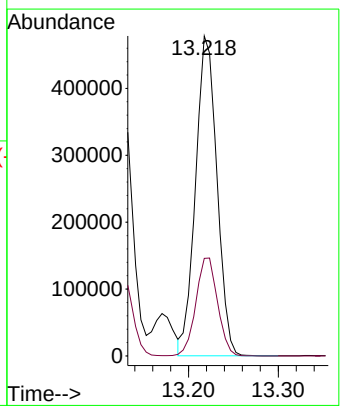


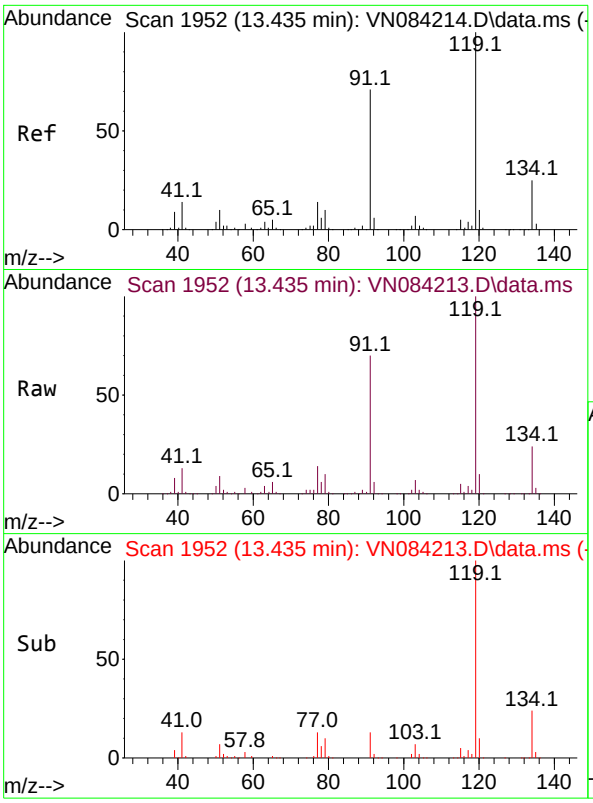


#82
4-Chlorotoluene
Concen: 97.362 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion: 91 Resp: 790045

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1



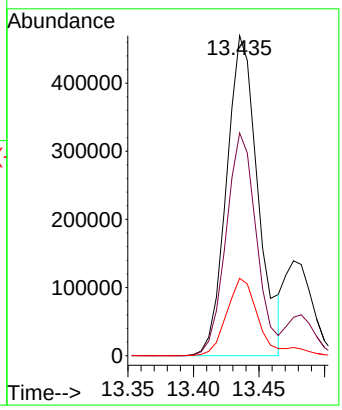


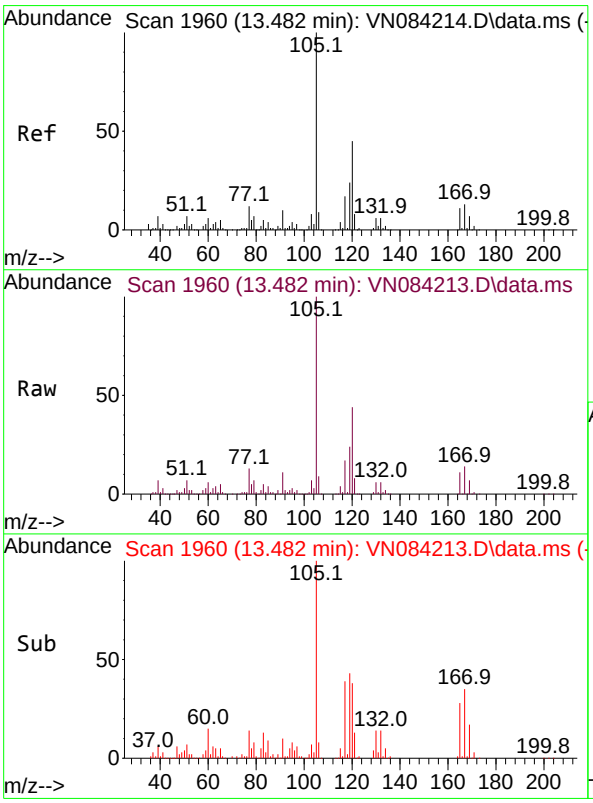
#83
tert-Butylbenzene
Concen: 99.349 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

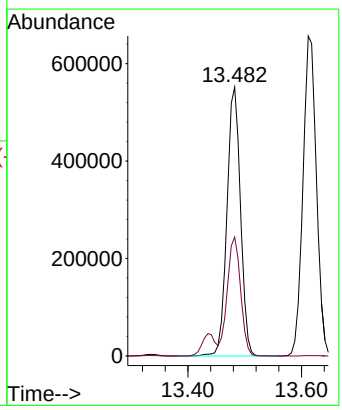


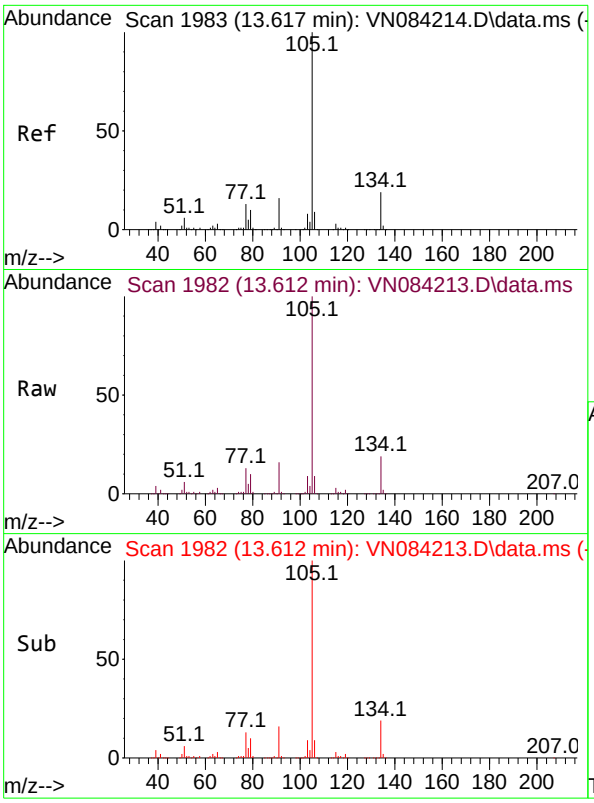


#84
1,2,4-Trimethylbenzene
Concen: 101.908 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:105 Resp: 913037

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



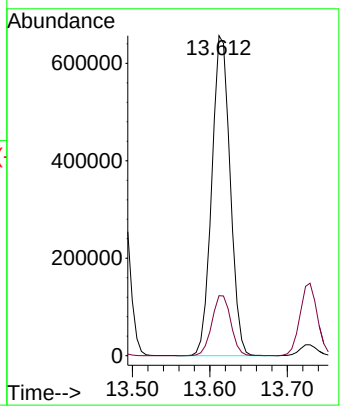


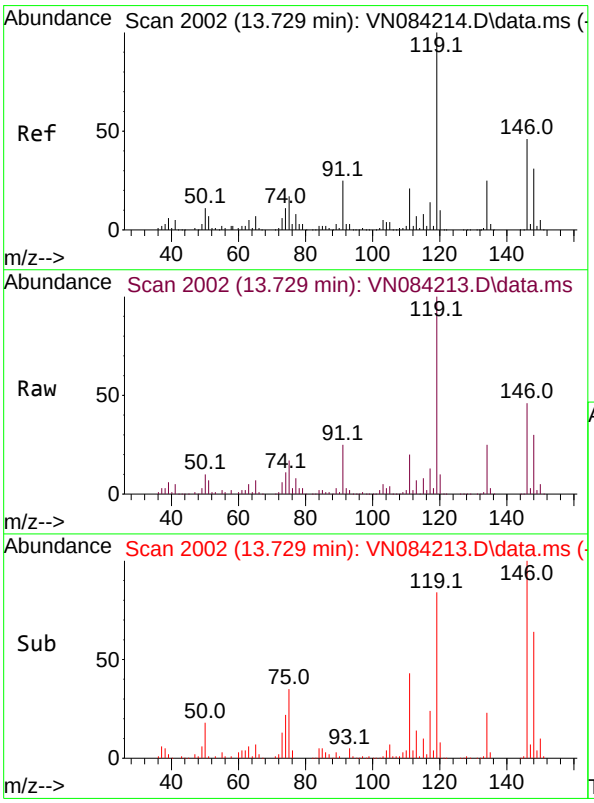
#85
sec-Butylbenzene
Concen: 102.580 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1082055

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

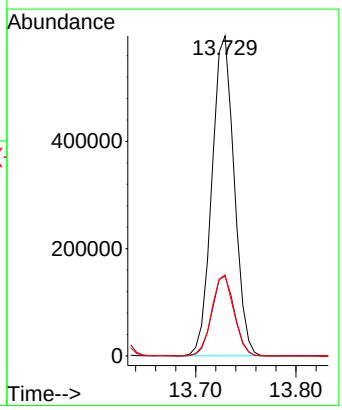


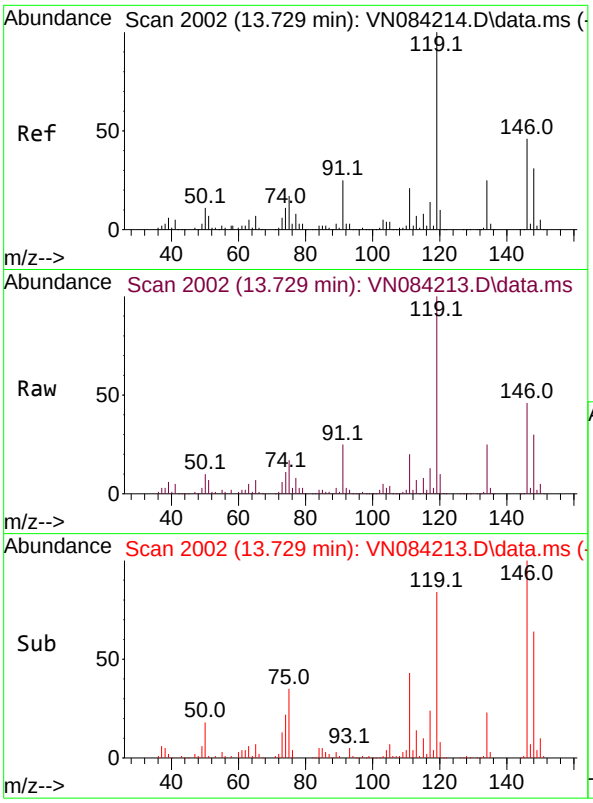


#86
p-Isopropyltoluene
Concen: 105.328 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



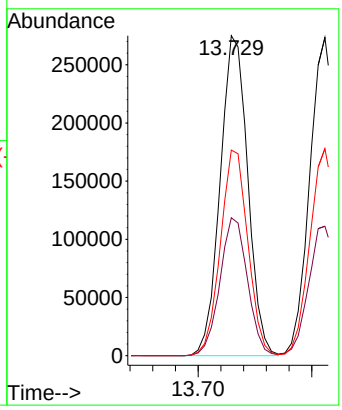


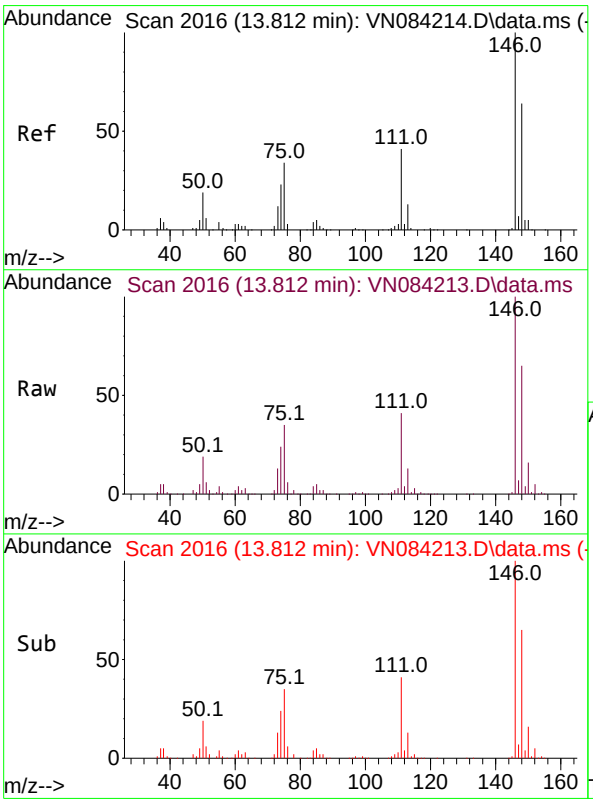
#87
1,3-Dichlorobenzene
Concen: 94.046 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

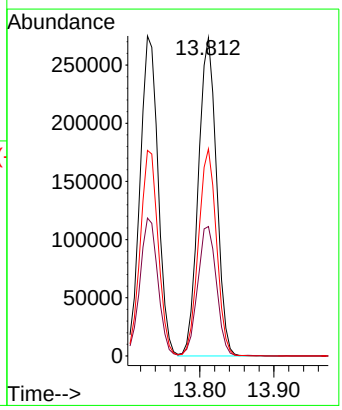


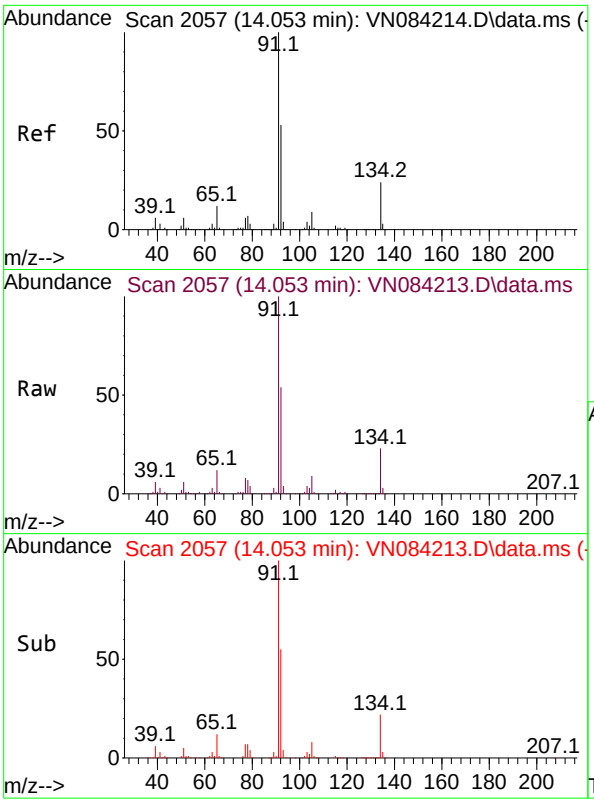


#88
1,4-Dichlorobenzene
Concen: 93.346 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



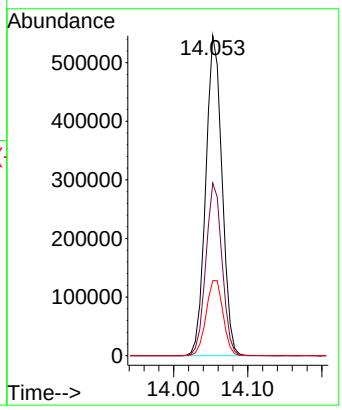


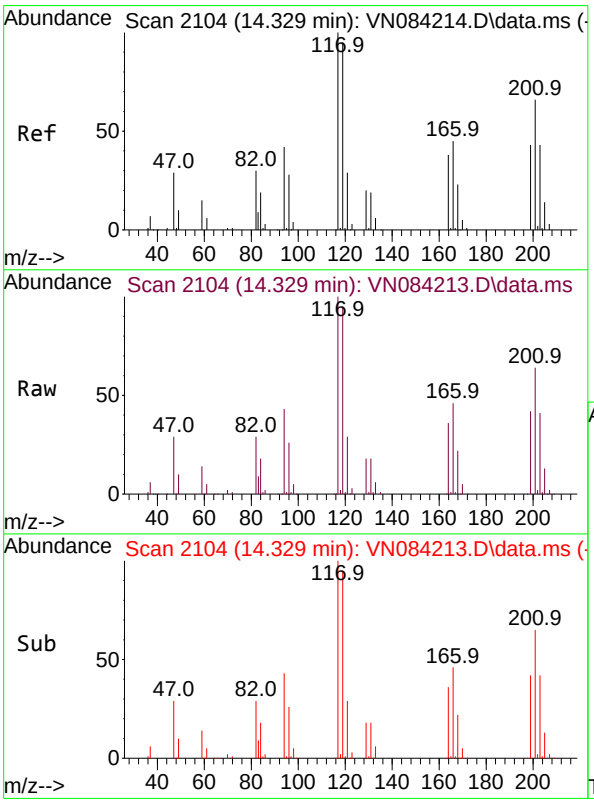
#89
n-Butylbenzene
Concen: 105.197 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

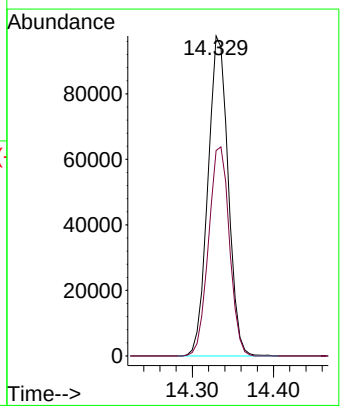


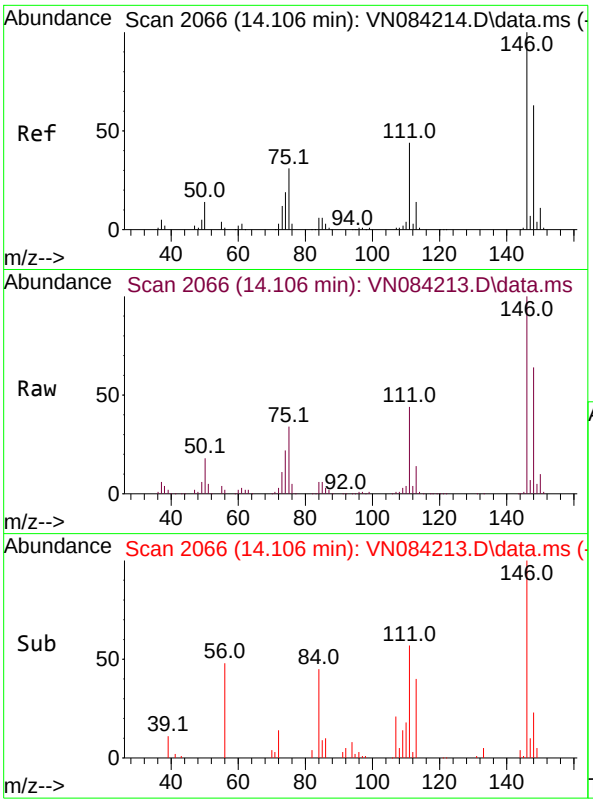


#90
Hexachloroethane
Concen: 95.289 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

Tgt Ion:117 Resp: 168712

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



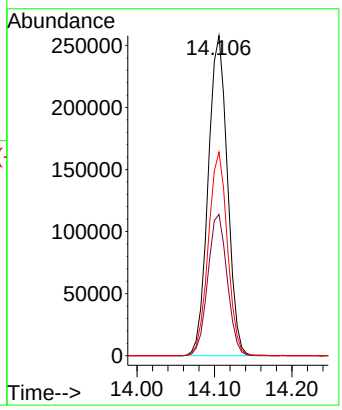


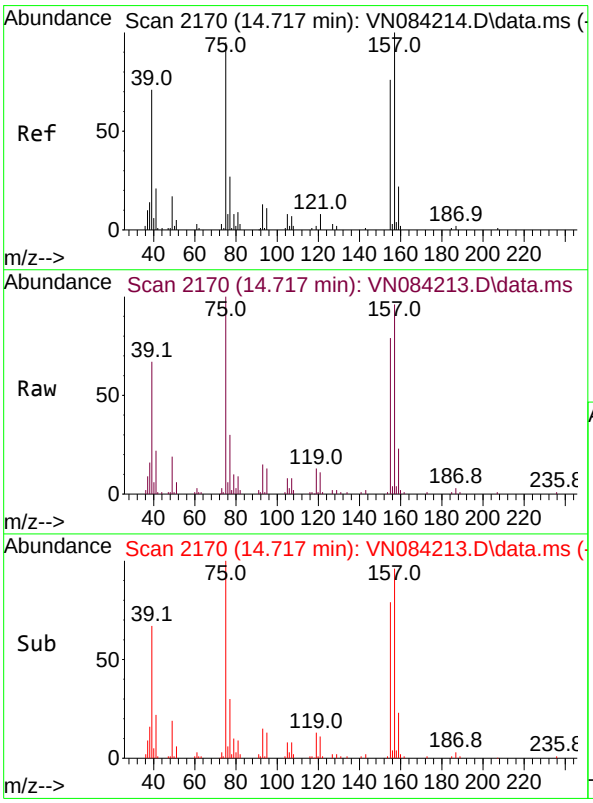
#91
1,2-Dichlorobenzene
Concen: 91.843 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

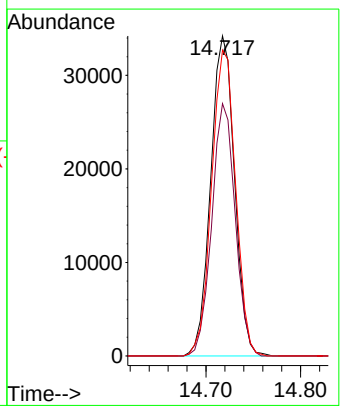


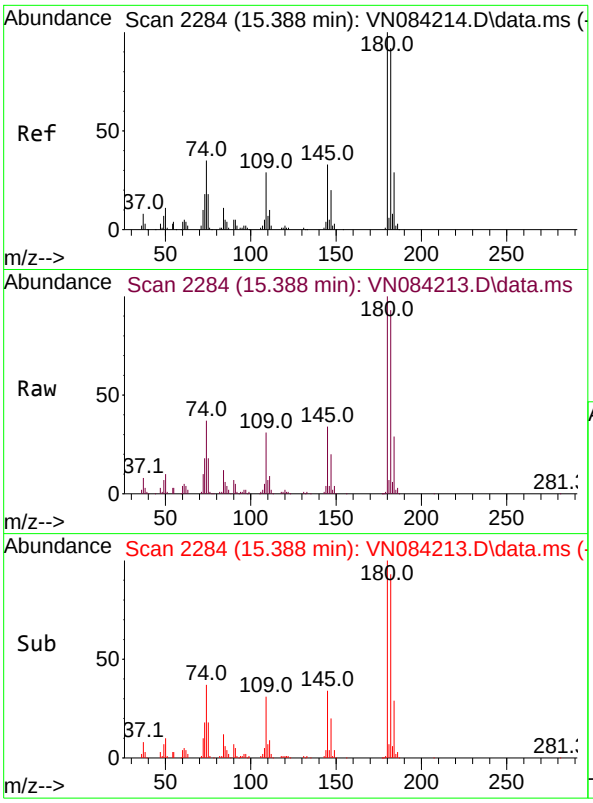


#92
1,2-Dibromo-3-Chloropropane
Concen: 88.446 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



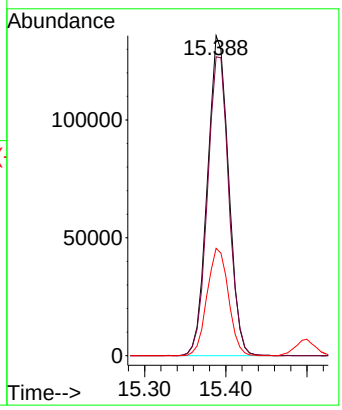


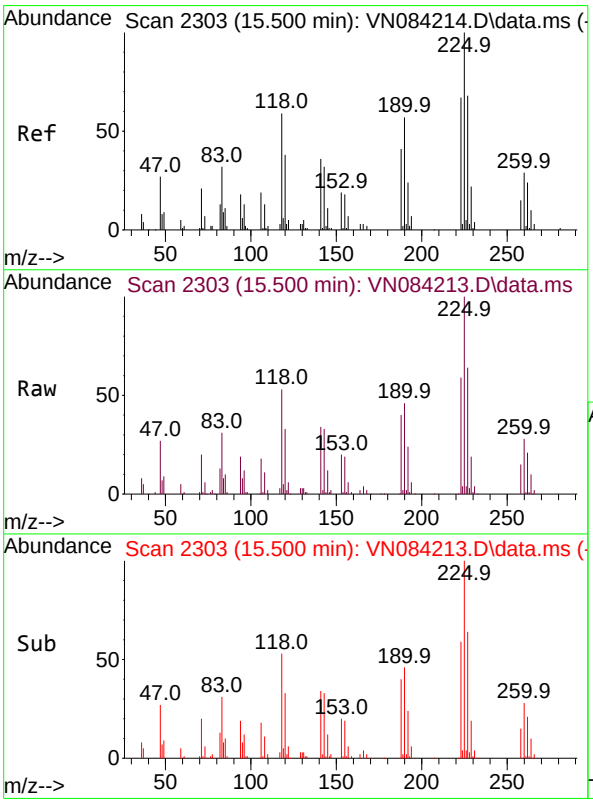
#93
1,2,4-Trichlorobenzene
Concen: 103.017 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

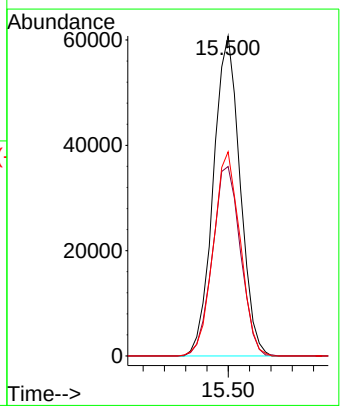


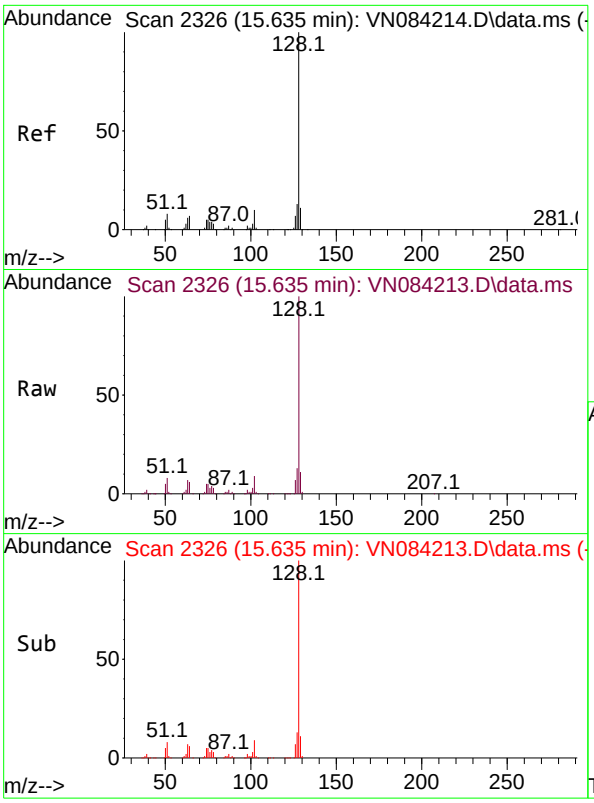


#94
Hexachlorobutadiene
Concen: 89.034 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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



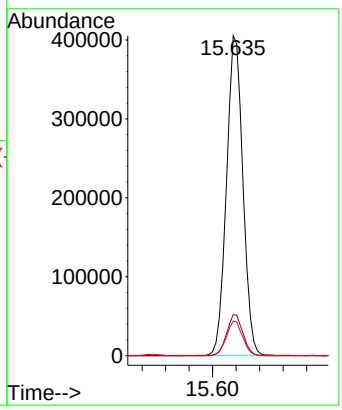


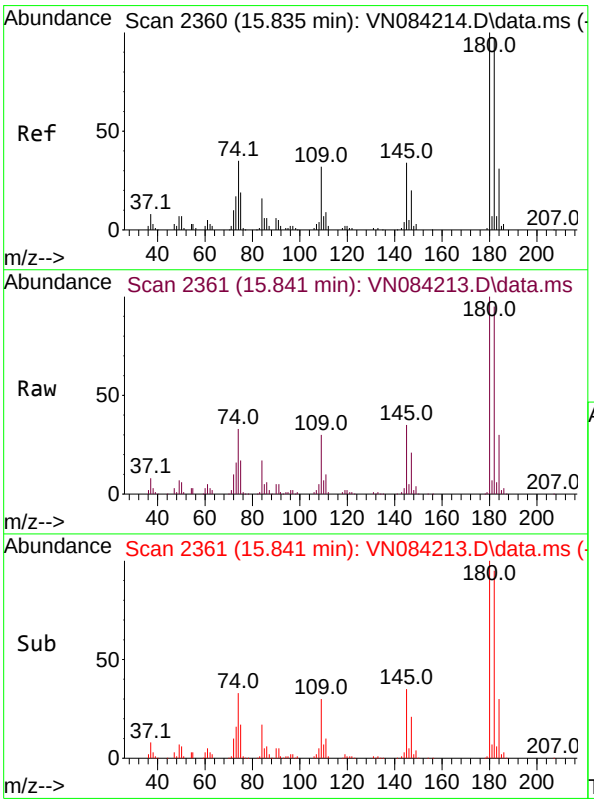
#95
Naphthalene
Concen: 99.356 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

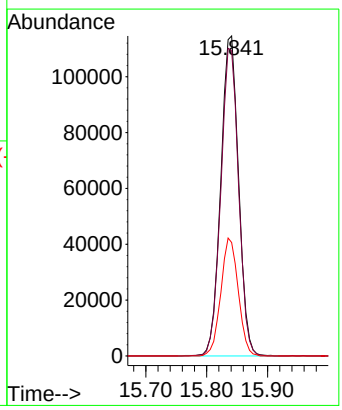




#96
1,2,3-Trichlorobenzene
Concen: 97.736 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084213.D
Acq: 30 Sep 2024 12:25

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

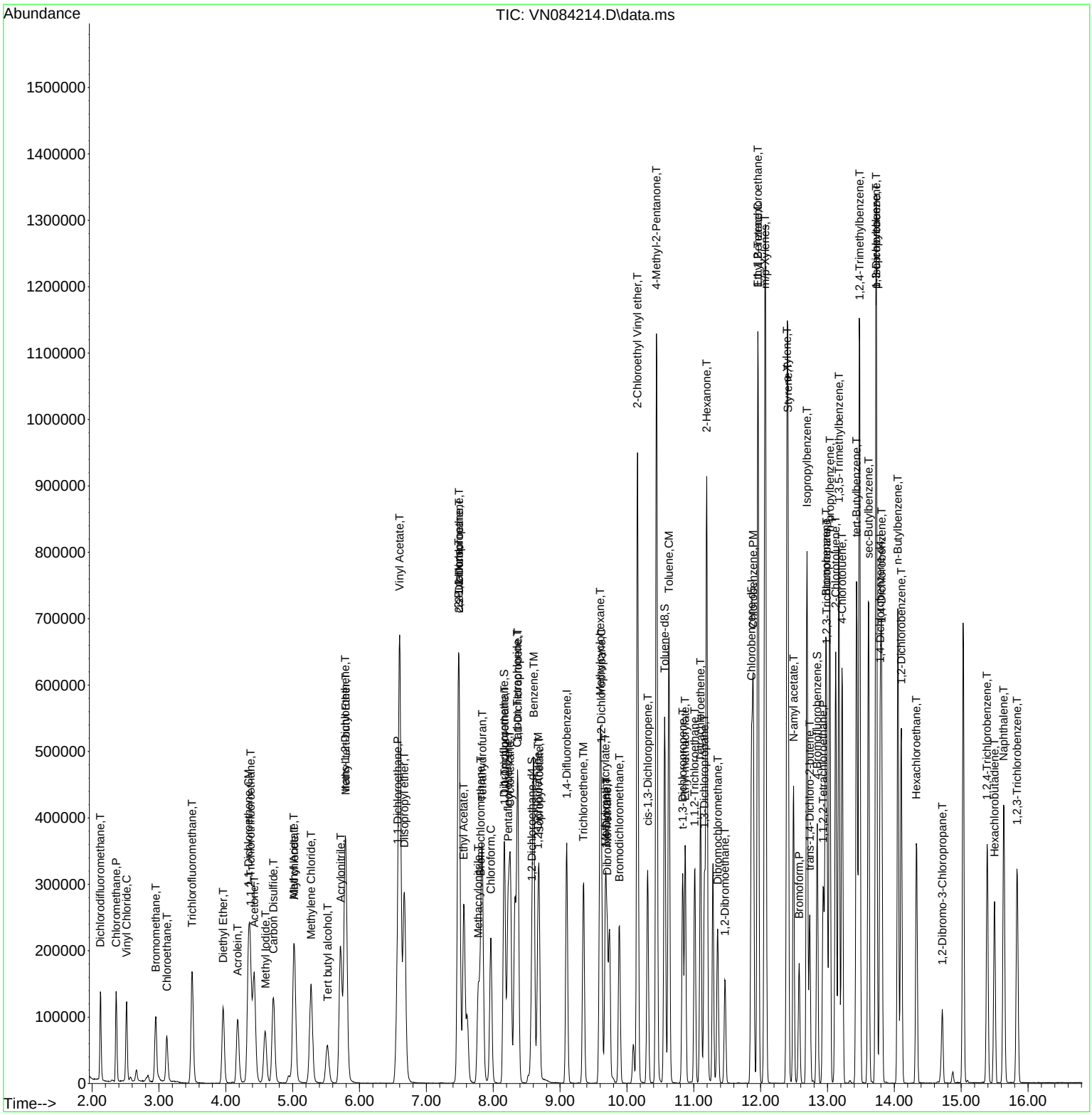
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

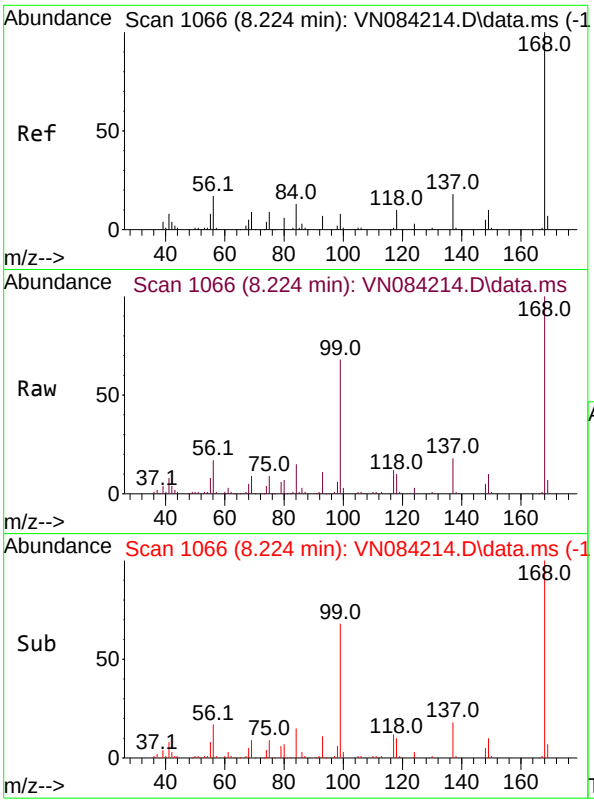
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



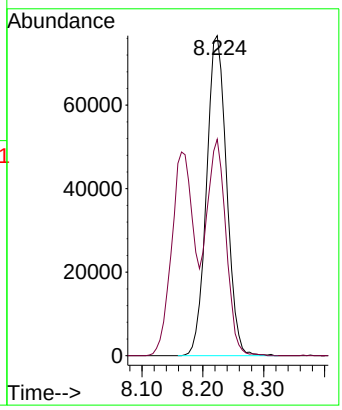


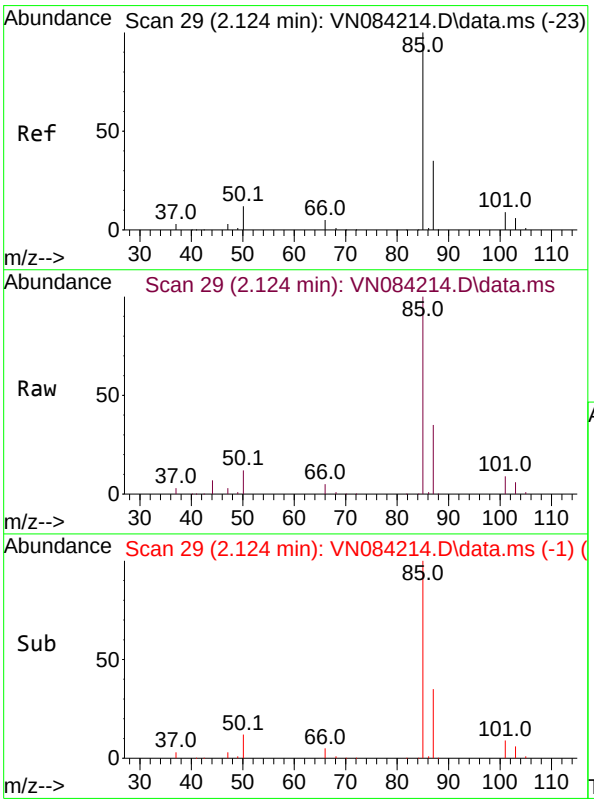
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 175379

Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.2	81.2

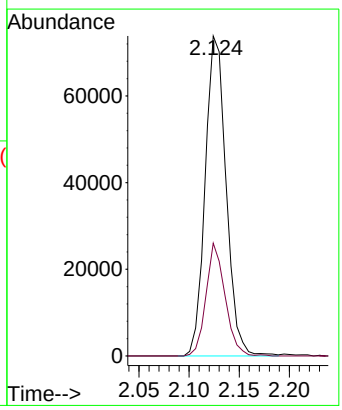


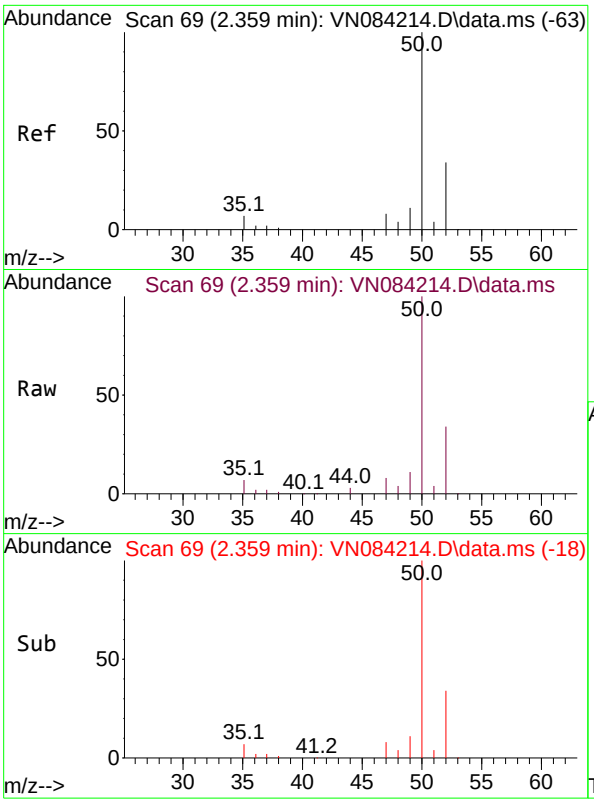


#2
Dichlorodifluoromethane
Concen: 51.835 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 85 Resp: 107530

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.6	52.9



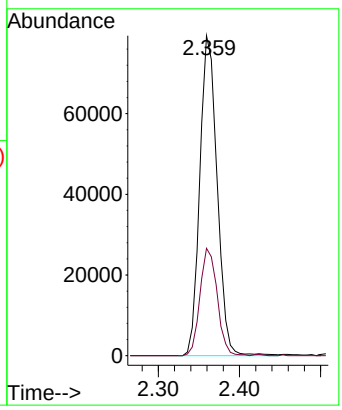


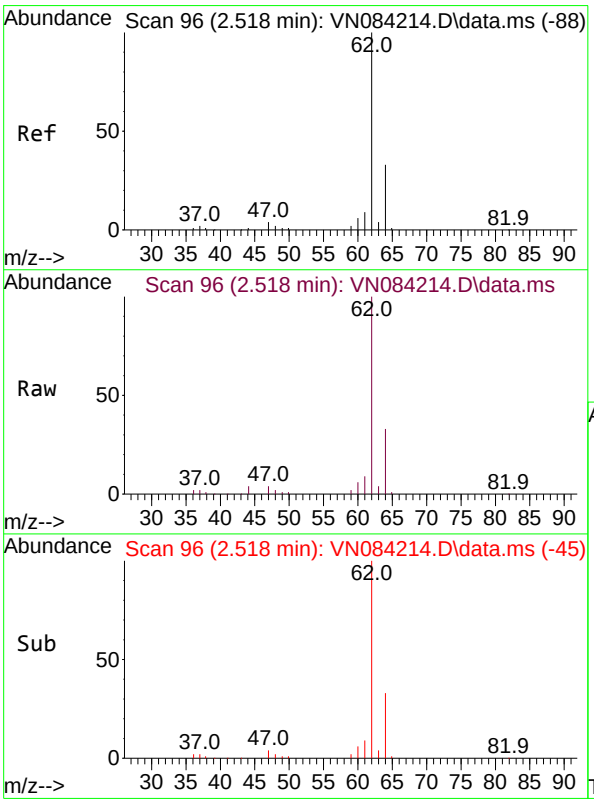
#3
Chloromethane
Concen: 49.686 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 117689

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.8	40.2

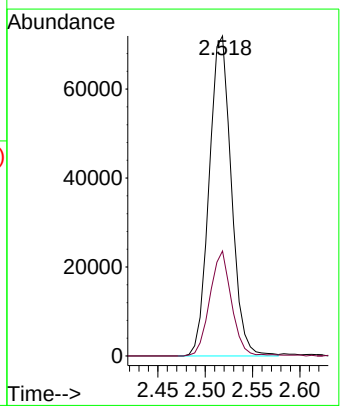


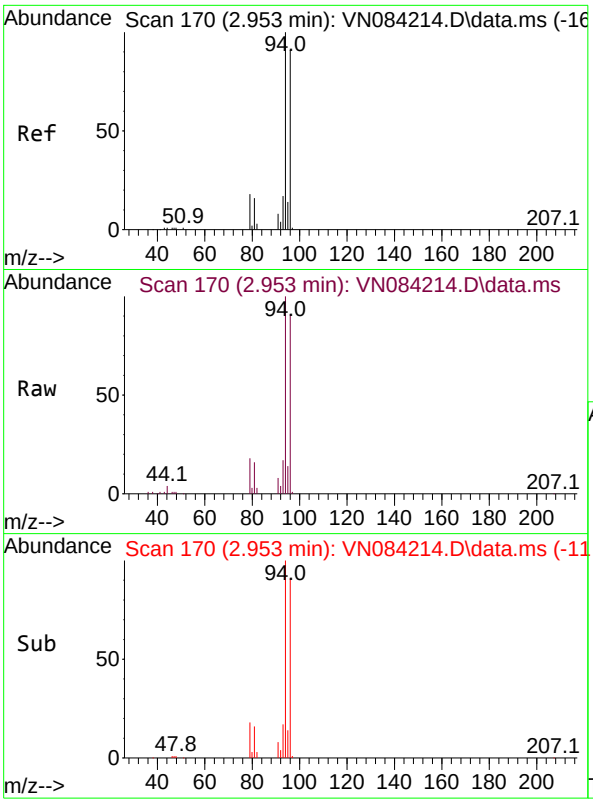


#4
Vinyl Chloride
Concen: 51.007 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 117031

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



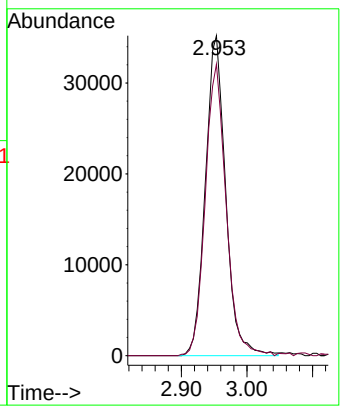


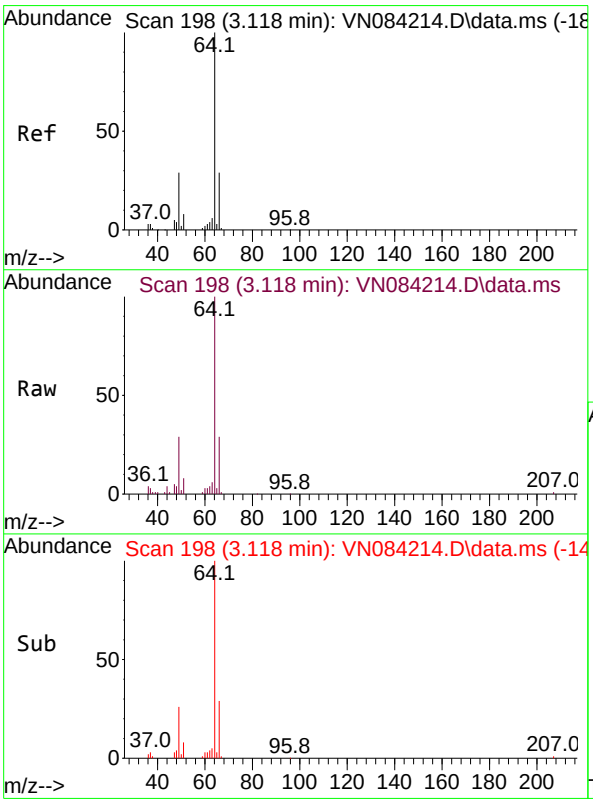
#5
Bromomethane
Concen: 50.118 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 75848

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3

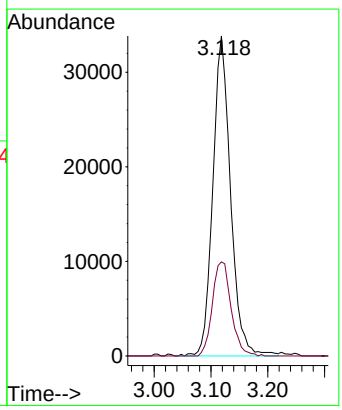


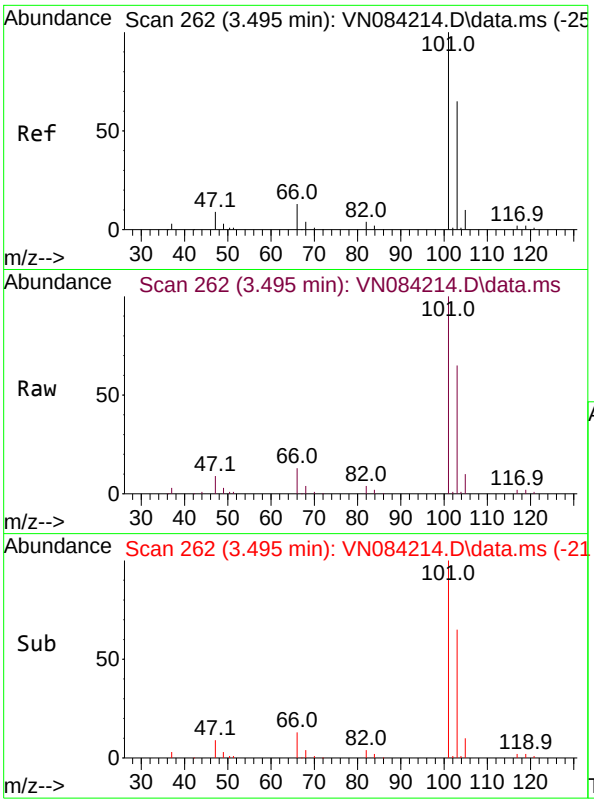


#6
Chloroethane
Concen: 44.693 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 64 Resp: 73440

Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.5	35.3



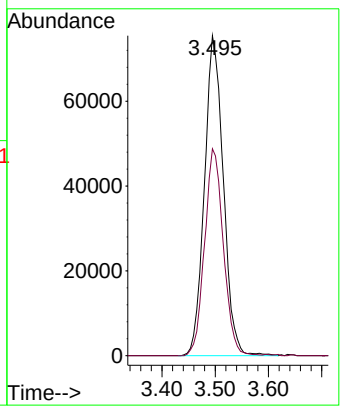


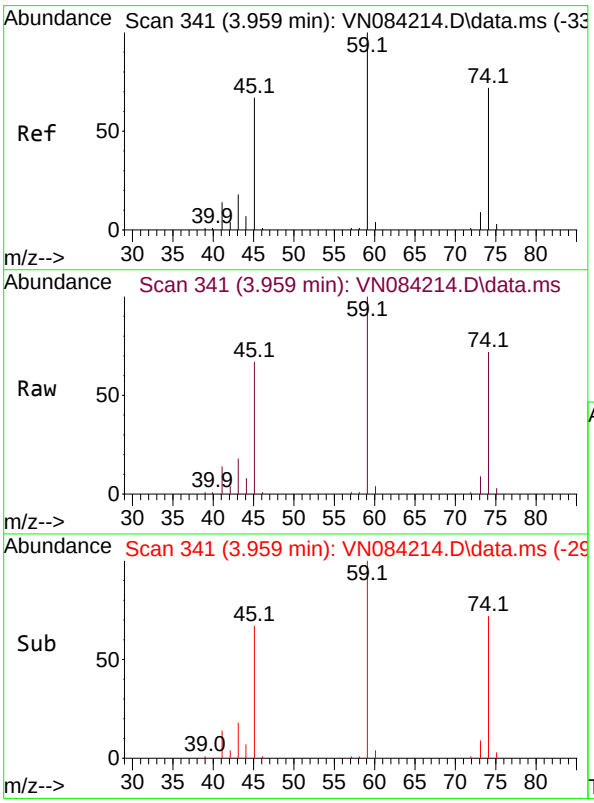
#7
Trichlorofluoromethane
Concen: 52.055 ug/l
RT: 3.495 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 185982

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

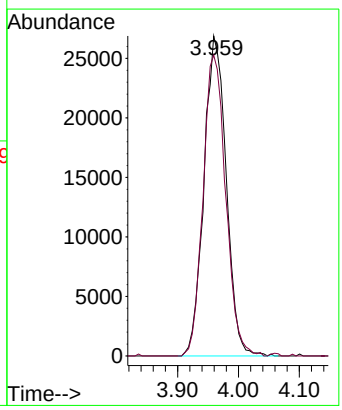


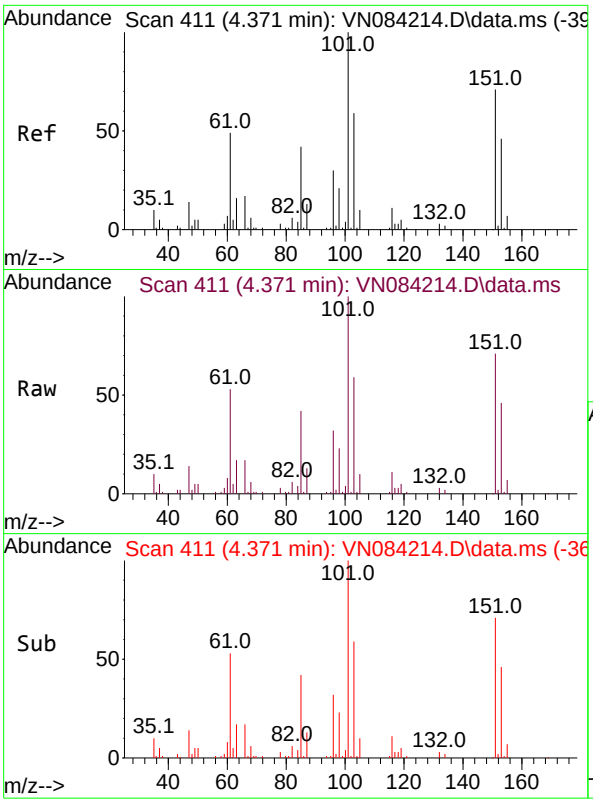


#8
Diethyl Ether
Concen: 51.608 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 74 Resp: 68385

Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.7	143.1



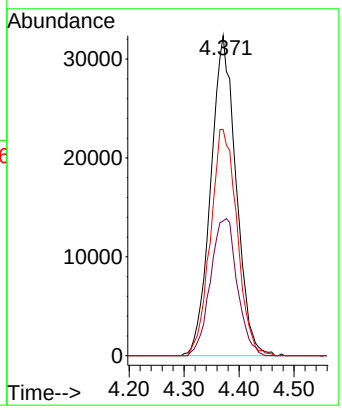


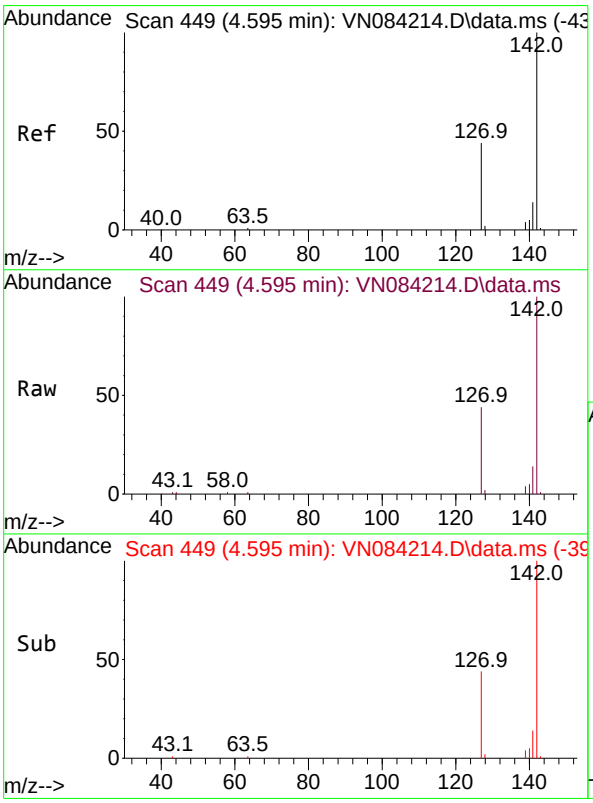
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.583 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

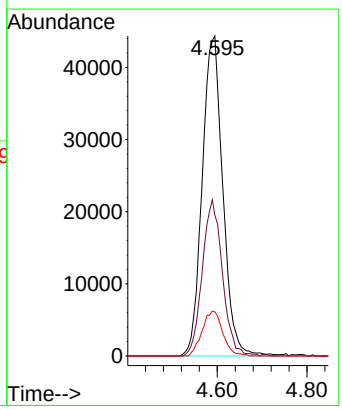


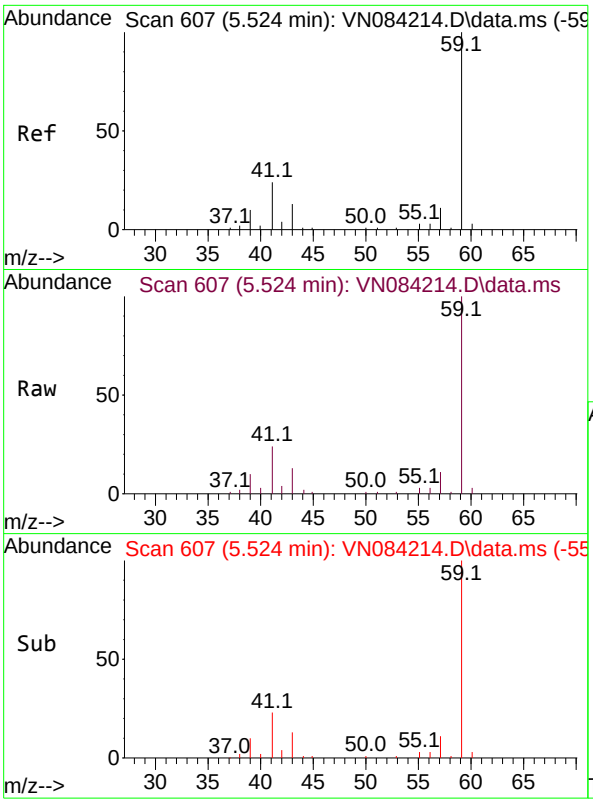


#10
Methyl Iodide
Concen: 53.600 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



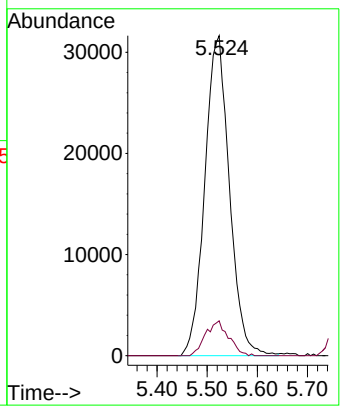


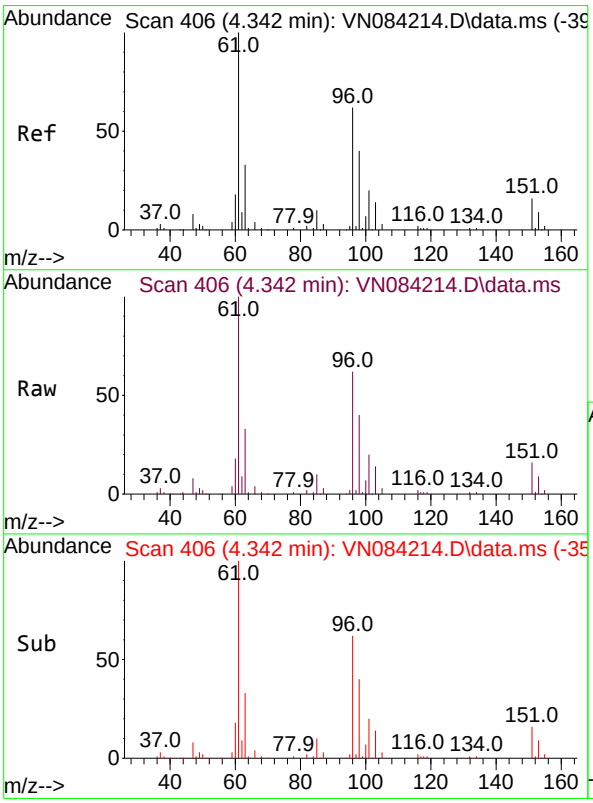
#11
Tert butyl alcohol
Concen: 251.850 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 107986

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

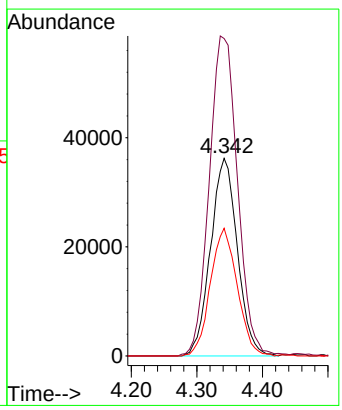


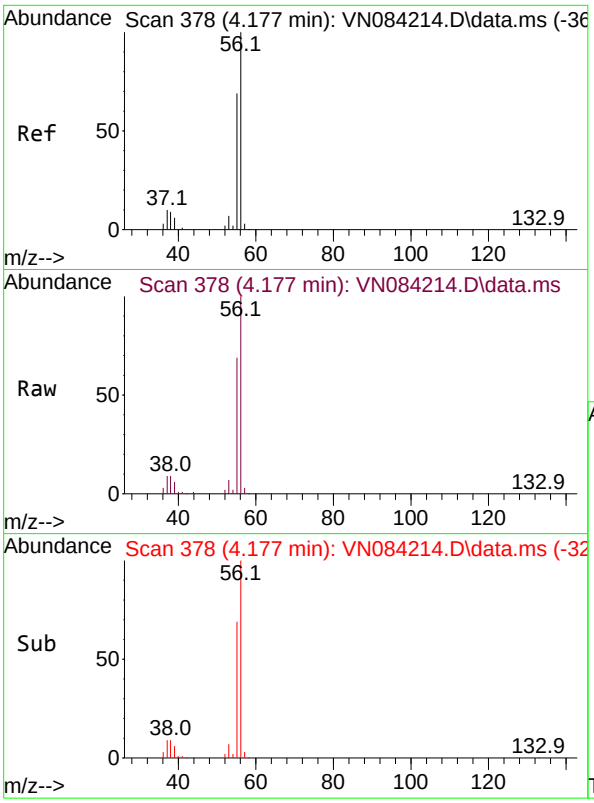


#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



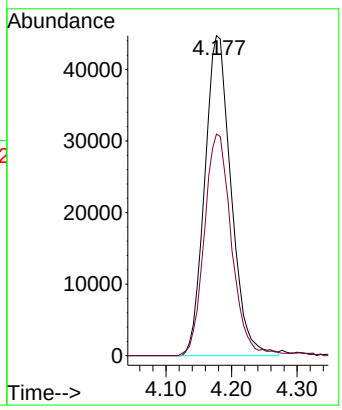


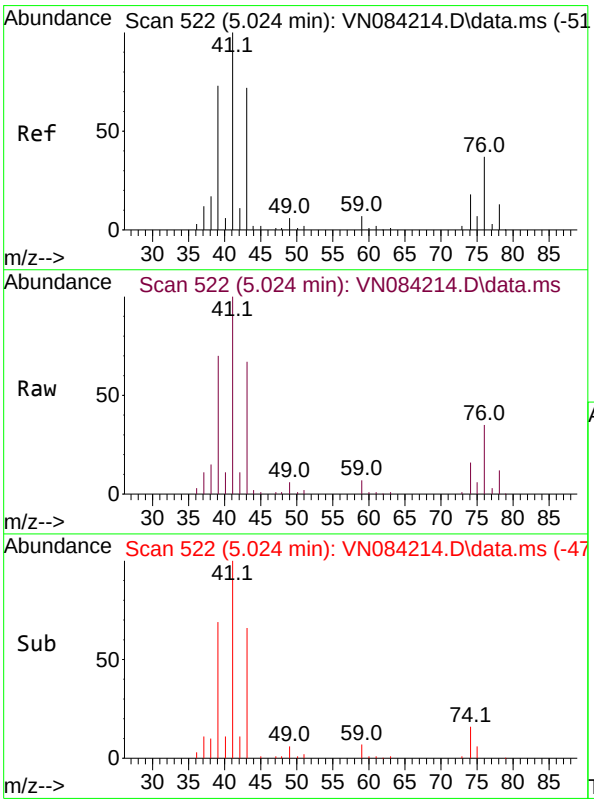
#13
Acrolein
Concen: 253.821 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 124940

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

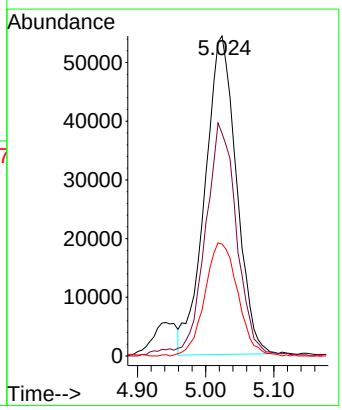


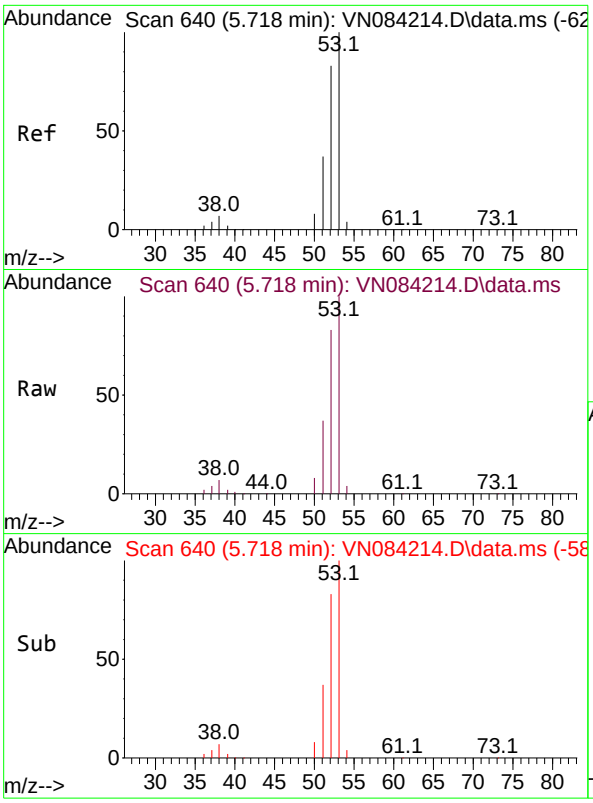


#14
Allyl chloride
Concen: 50.889 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



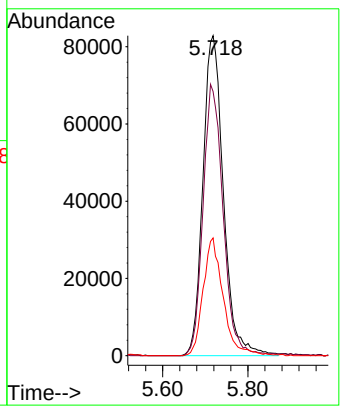


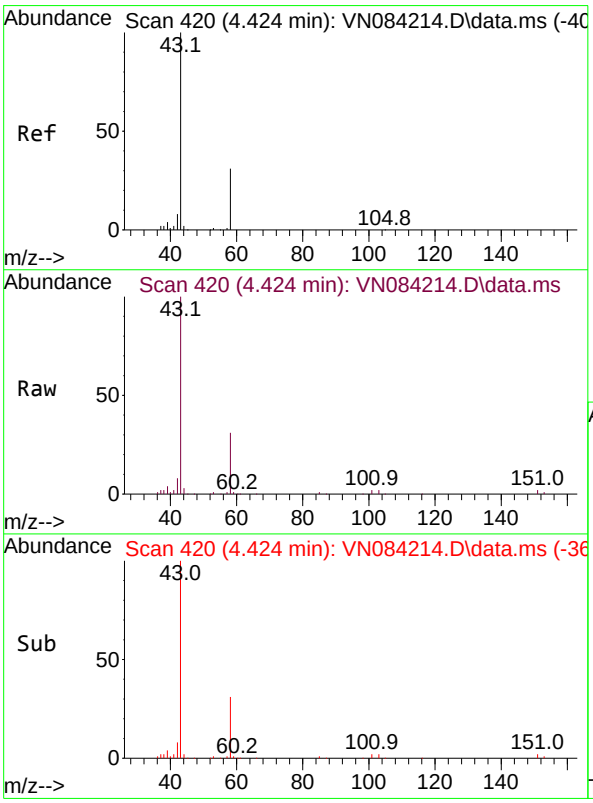
#15
Acrylonitrile
Concen: 256.145 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

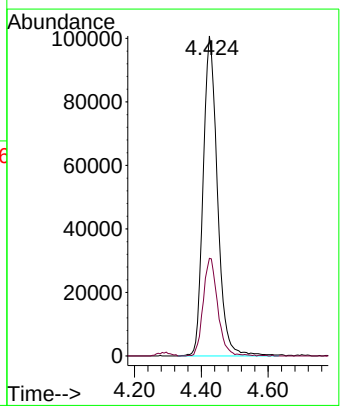


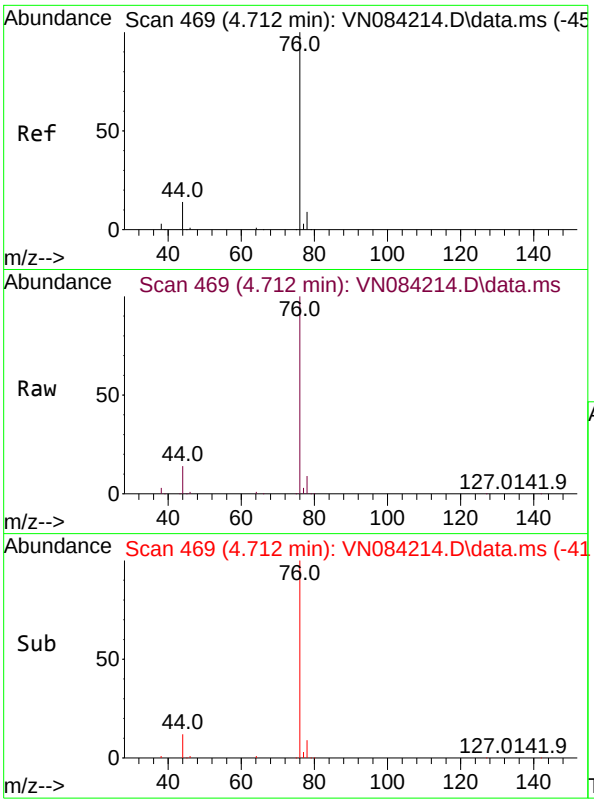


#16
Acetone
Concen: 268.132 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 299515

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.4	36.6



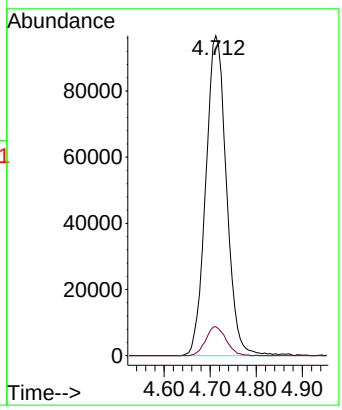


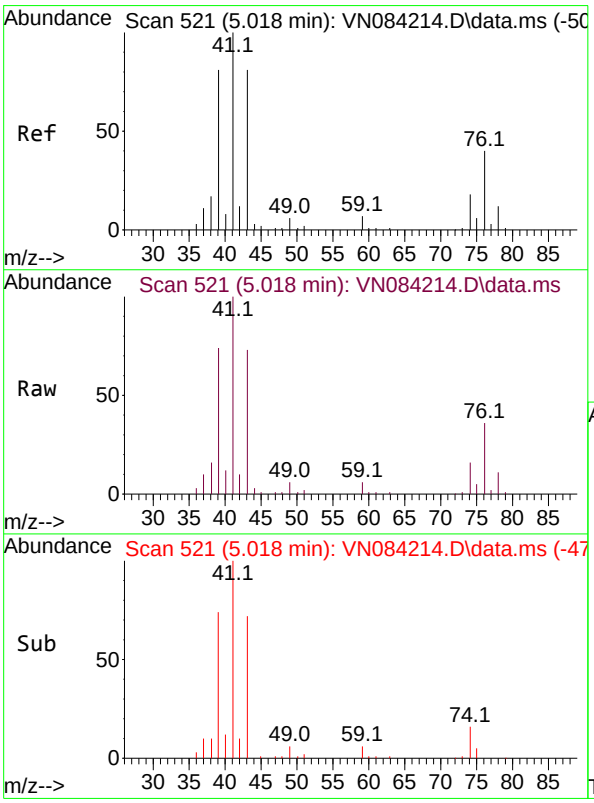
#17
Carbon Disulfide
Concen: 48.335 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 302183

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

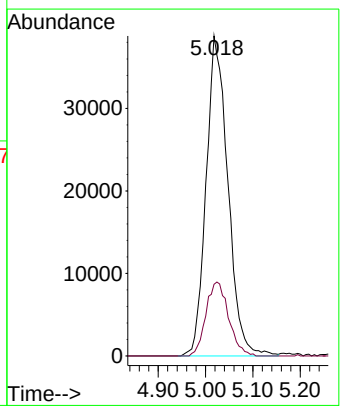


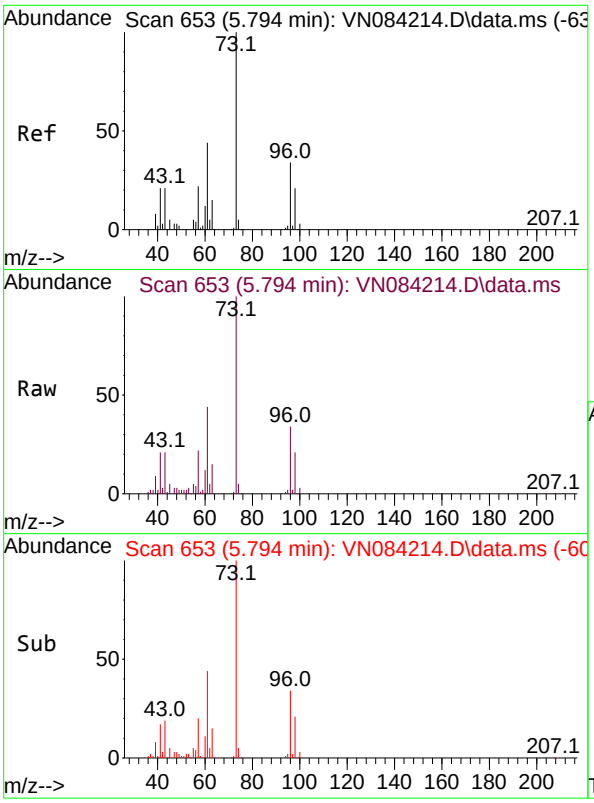


#18
Methyl Acetate
Concen: 50.934 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 43 Resp: 124007

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



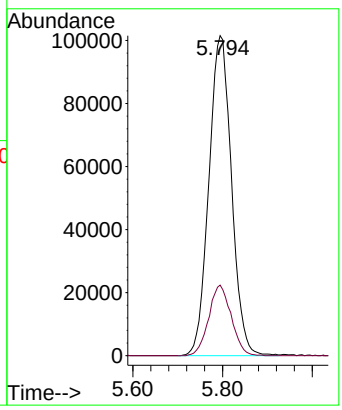


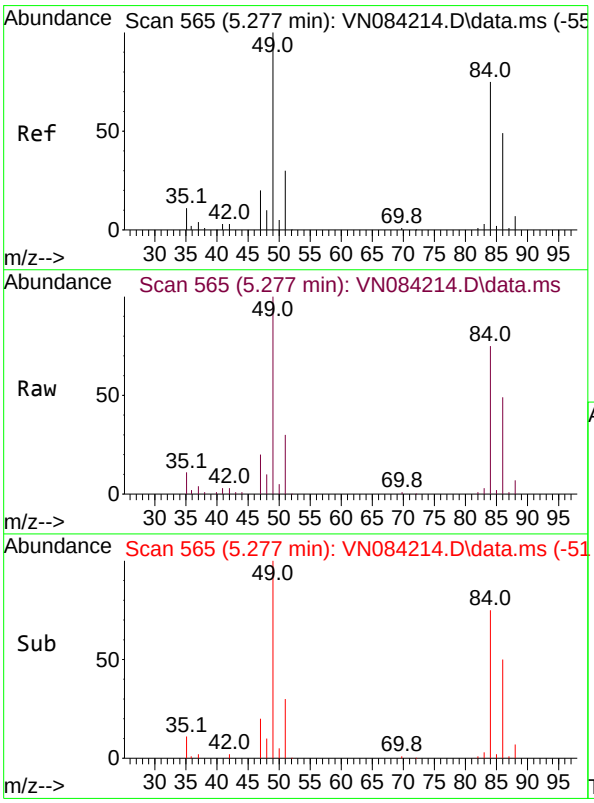
#19
Methyl tert-butyl Ether
Concen: 53.487 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 356478

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

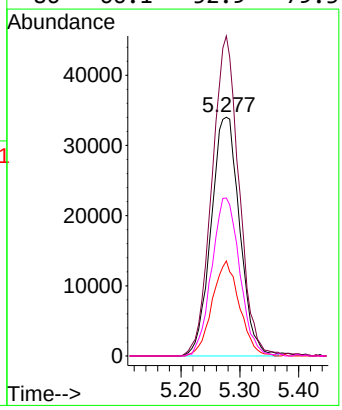


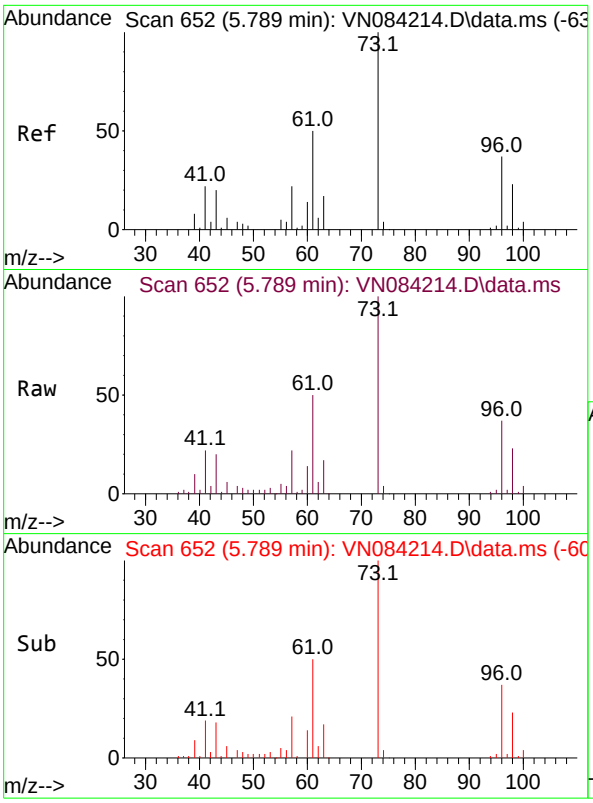


#20
Methylene Chloride
Concen: 50.609 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



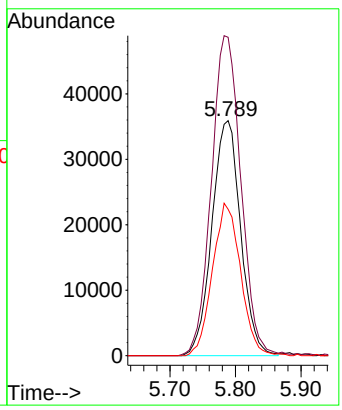


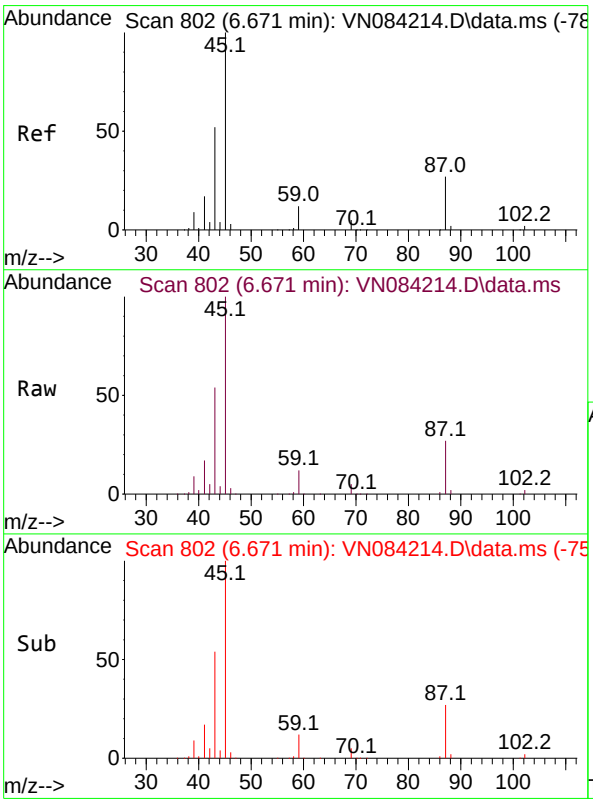
#21
trans-1,2-Dichloroethene
Concen: 52.711 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

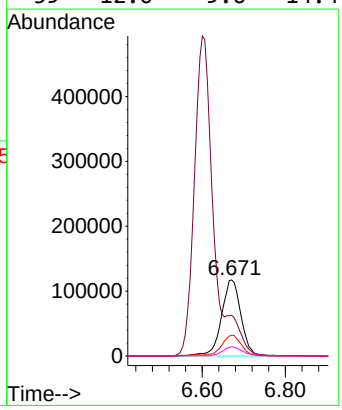


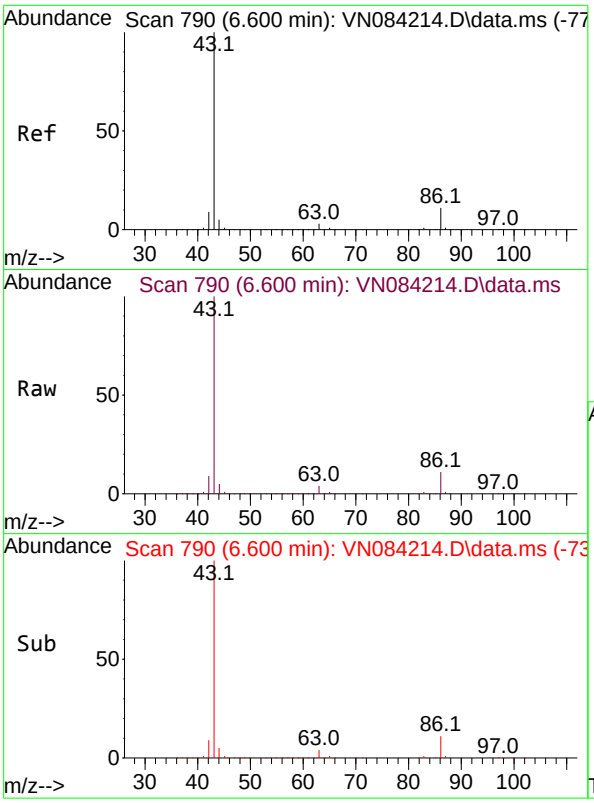


#22
Diisopropyl ether
Concen: 53.501 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



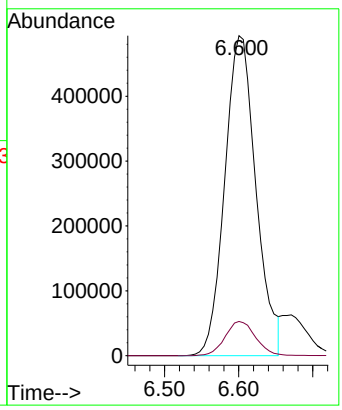


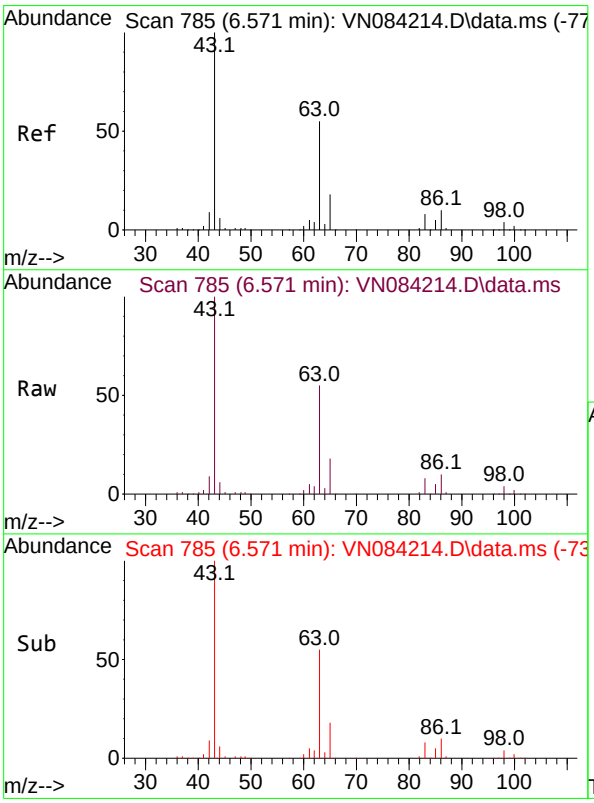
#23
Vinyl Acetate
Concen: 273.176 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1444909

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

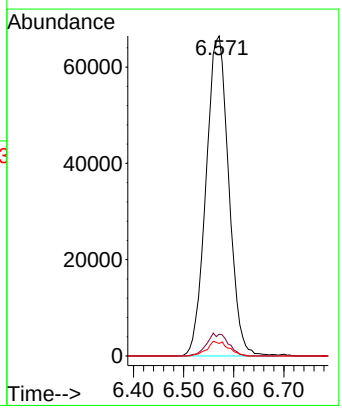


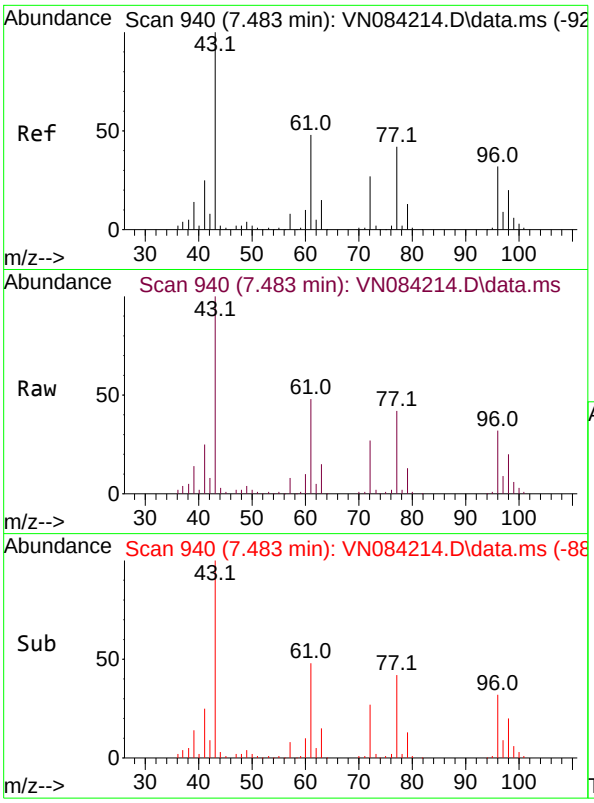


#24
1,1-Dichloroethane
Concen: 52.742 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



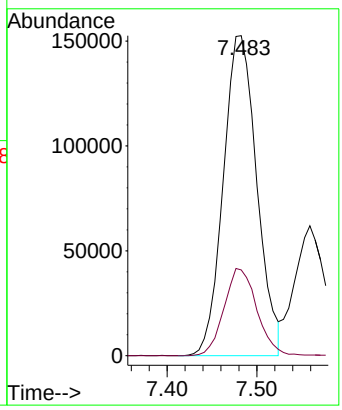


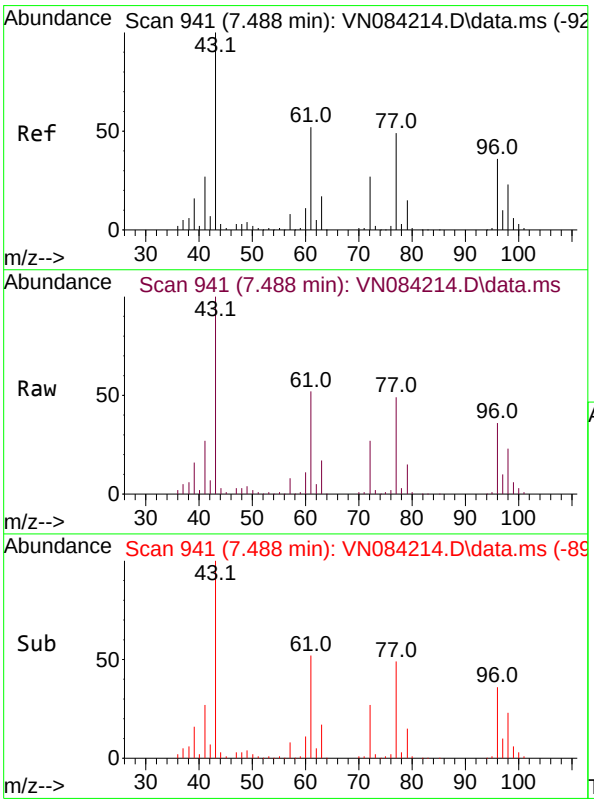
#25
2-Butanone
Concen: 260.524 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 396369

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

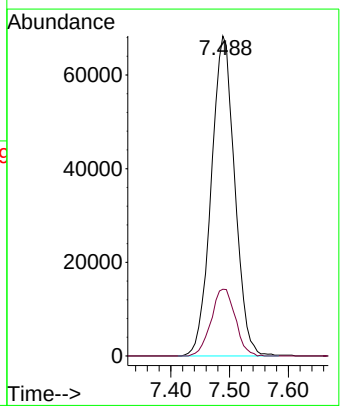


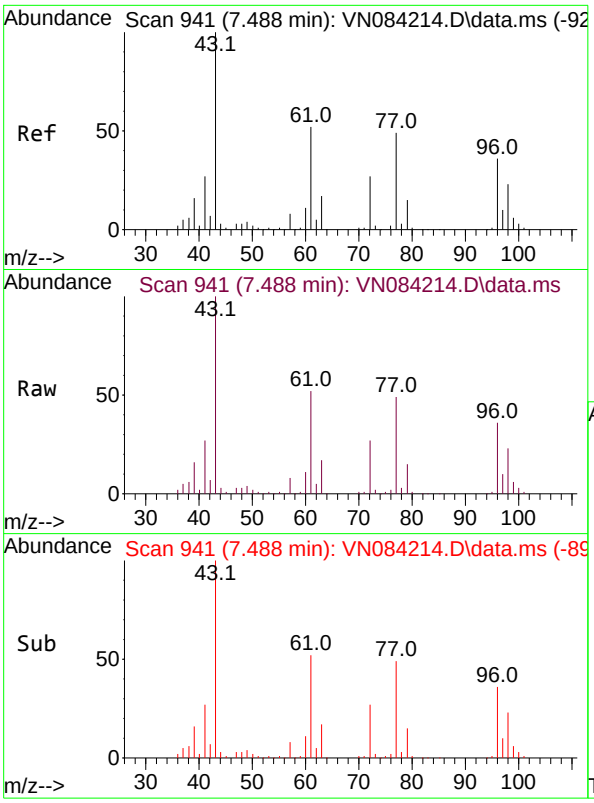


#26
2,2-Dichloropropane
Concen: 53.050 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 77 Resp: 189745

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.8	32.3



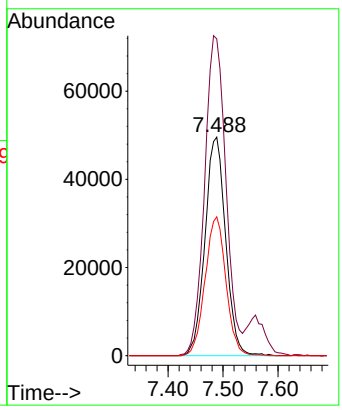


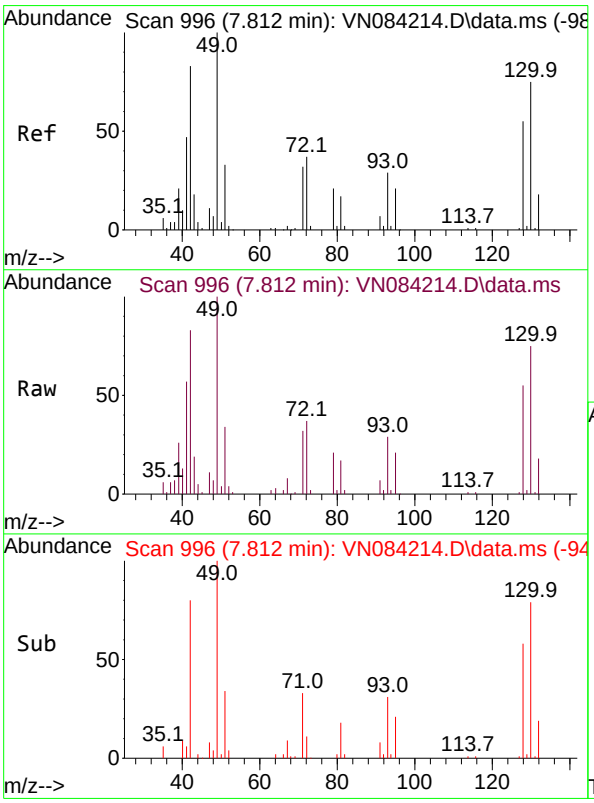
#27
cis-1,2-Dichloroethene
Concen: 51.951 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

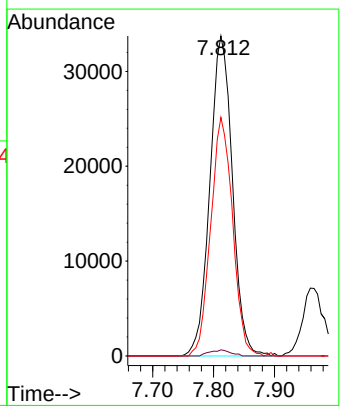


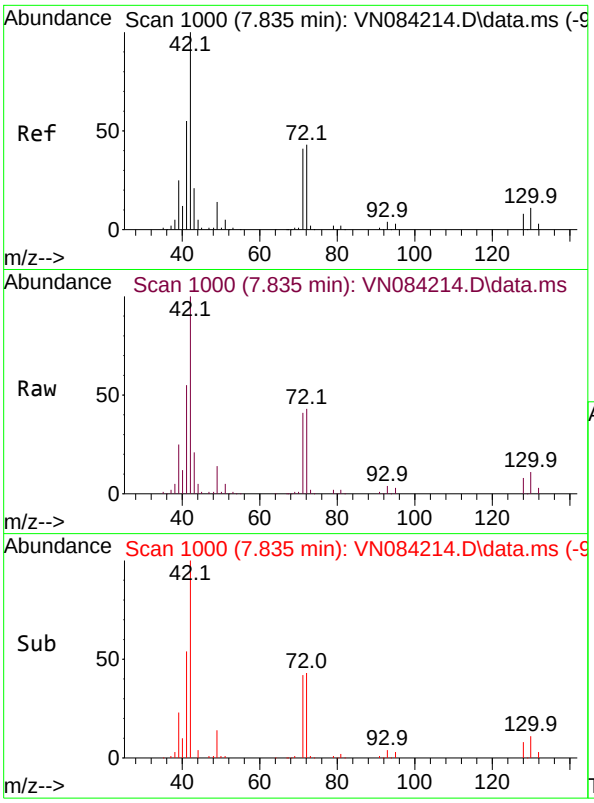


#28
Bromochloromethane
Concen: 48.919 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



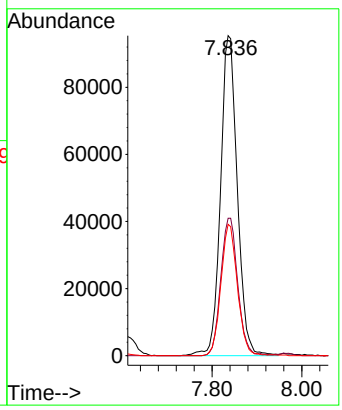


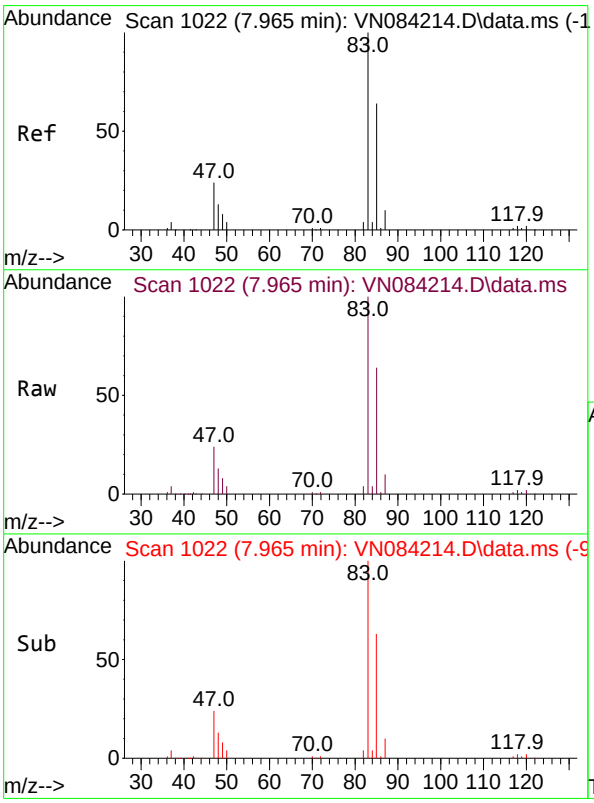
#29
Tetrahydrofuran
Concen: 264.488 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

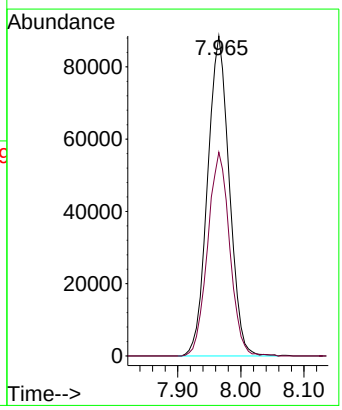


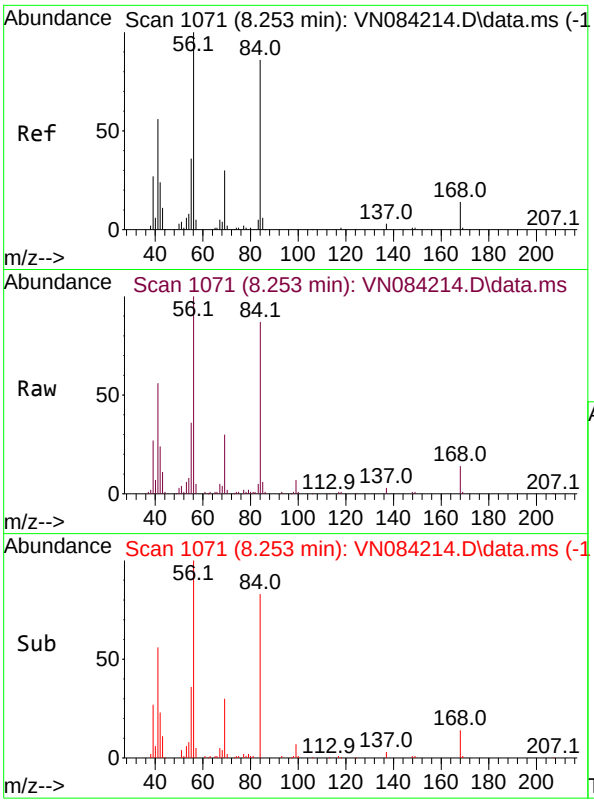


#30
Chloroform
Concen: 51.249 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 83 Resp: 211178

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4



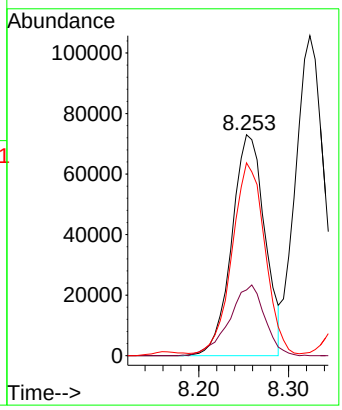


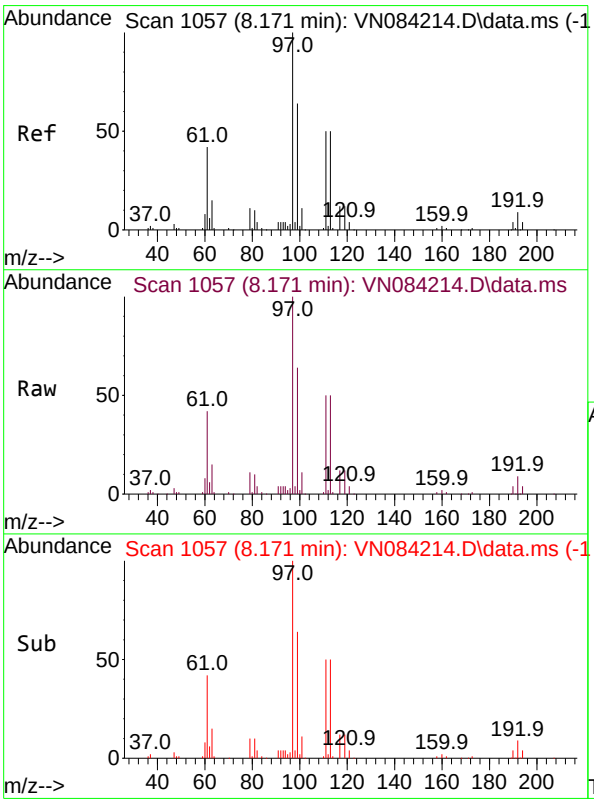
#31
Cyclohexane
Concen: 48.624 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

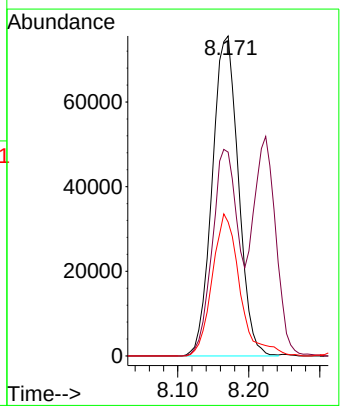


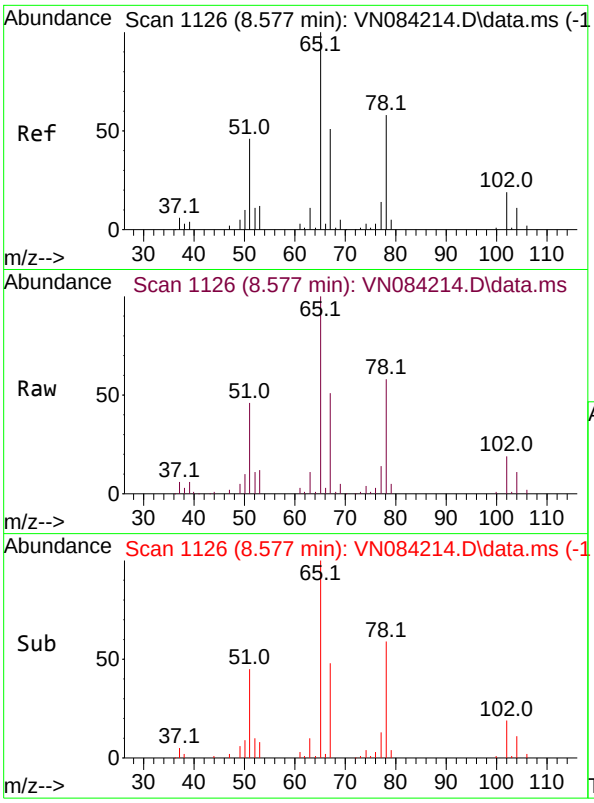


#32
1,1,1-Trichloroethane
Concen: 52.237 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



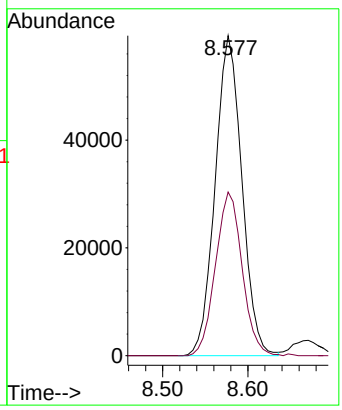


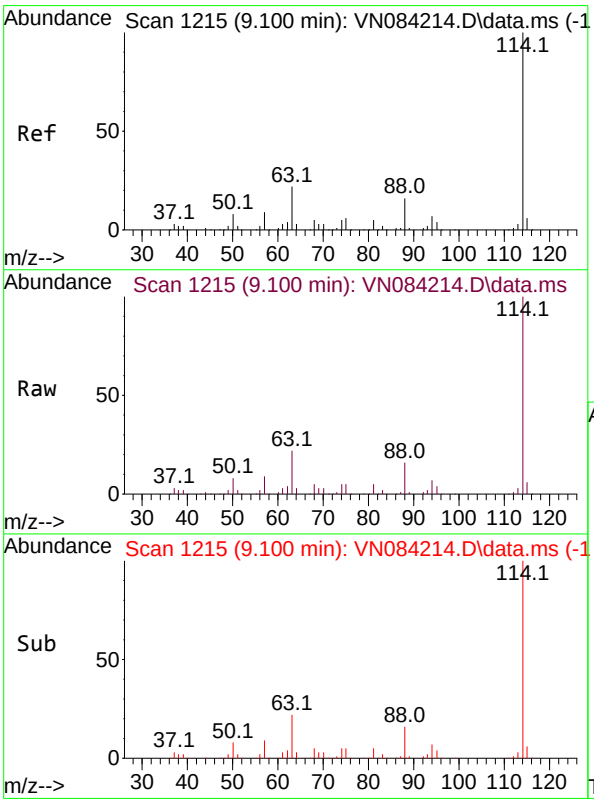
#33
1,2-Dichloroethane-d4
Concen: 49.725 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 129300

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

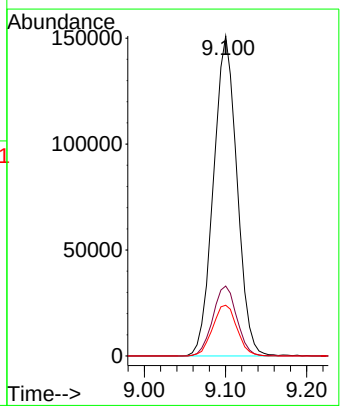


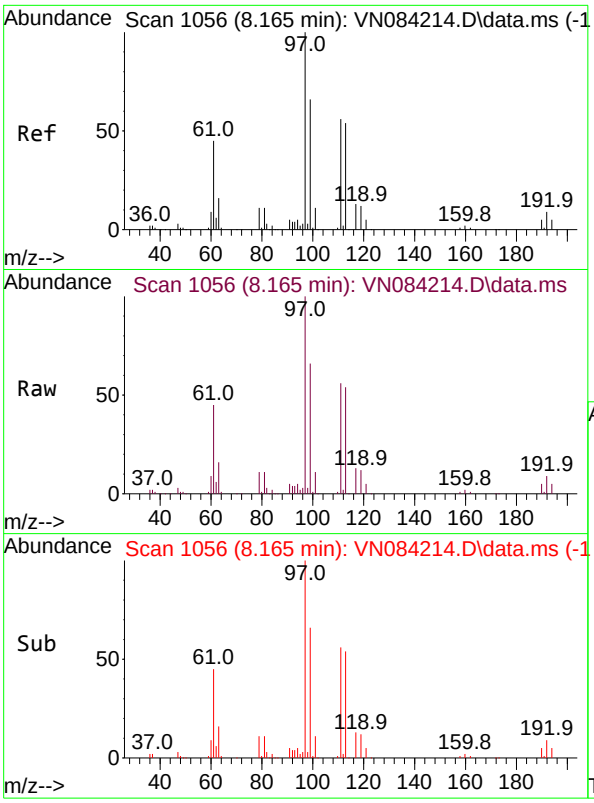


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



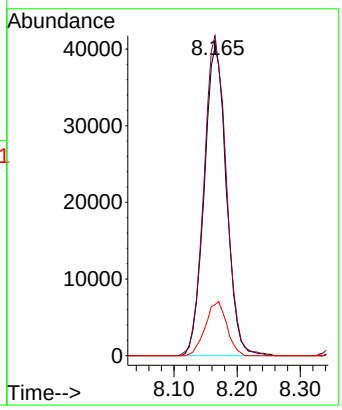


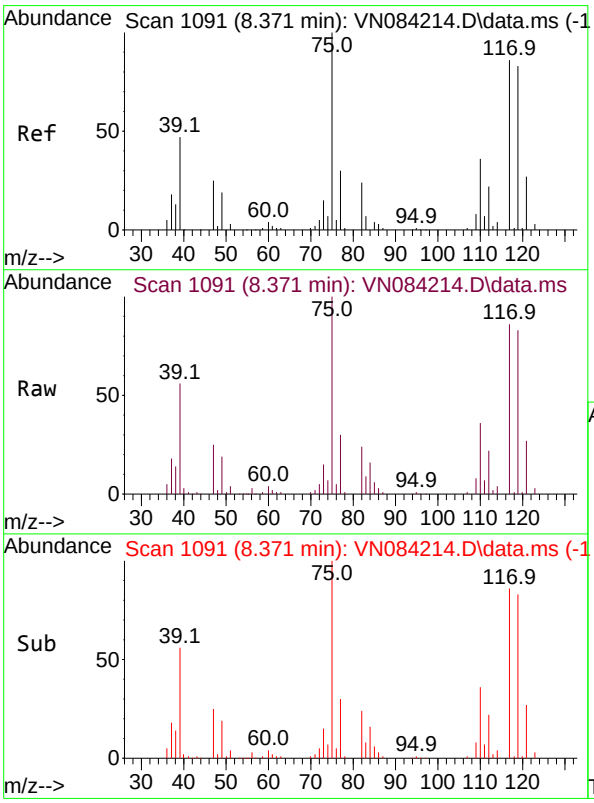
#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

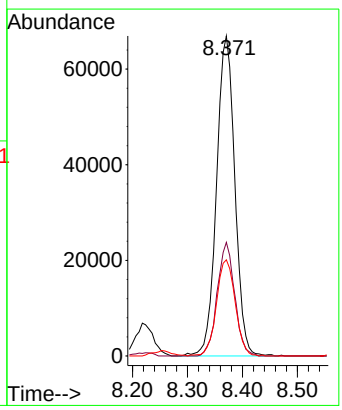


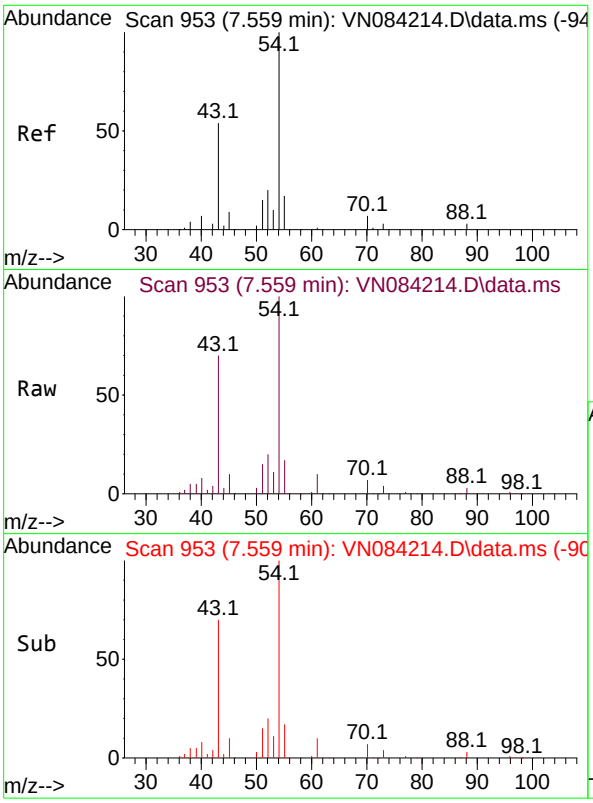


#36
1,1-Dichloropropene
Concen: 53.172 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



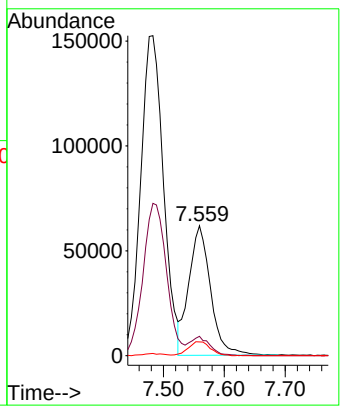


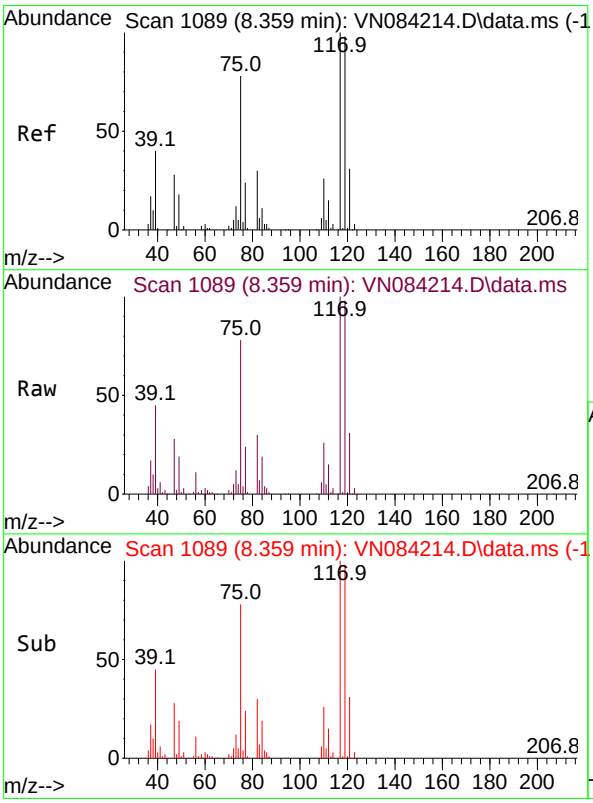
#37
Ethyl Acetate
Concen: 51.216 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

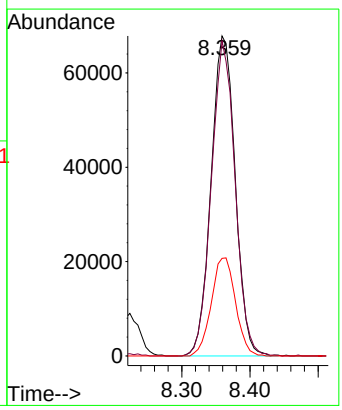


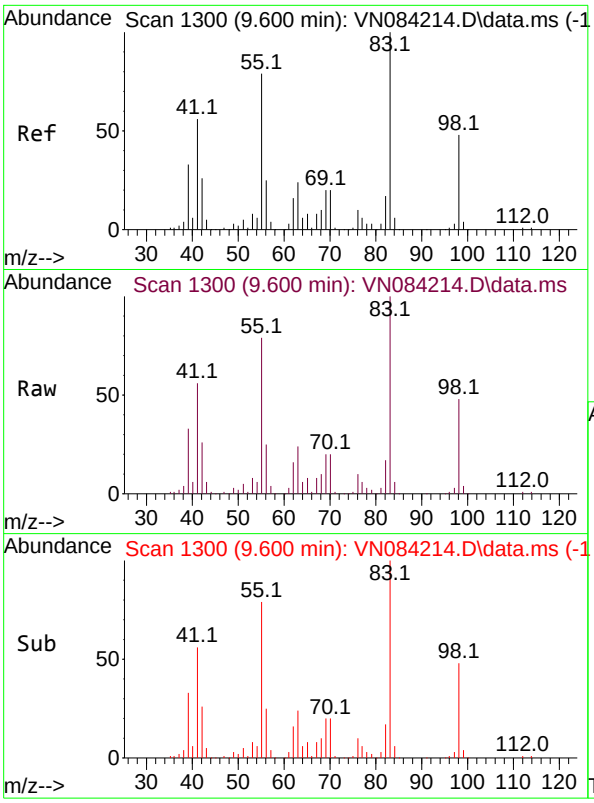


#38
Carbon Tetrachloride
Concen: 52.301 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



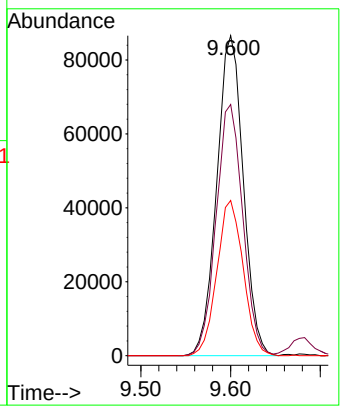


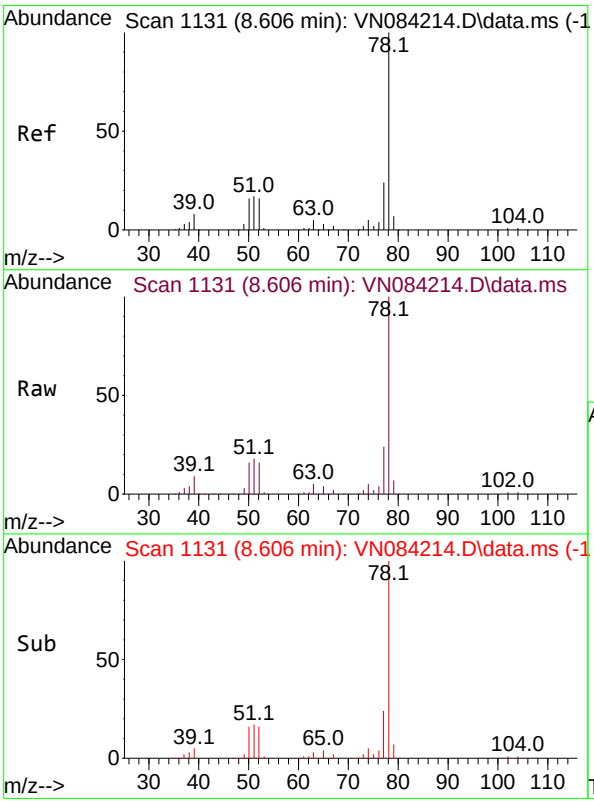
#39
Methylcyclohexane
Concen: 54.741 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

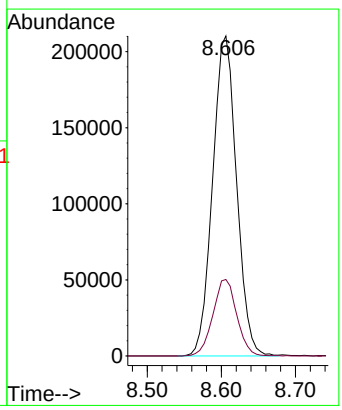


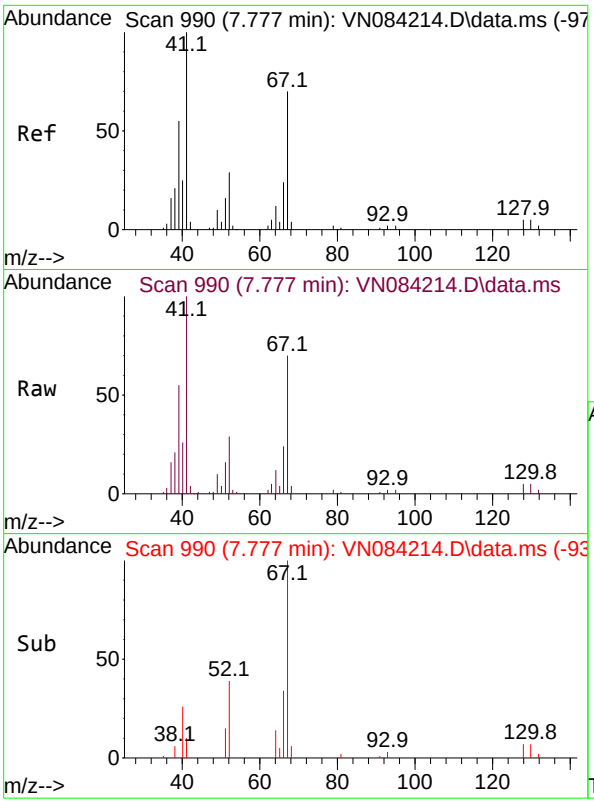


#40
Benzene
Concen: 52.037 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 78 Resp: 472170

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7



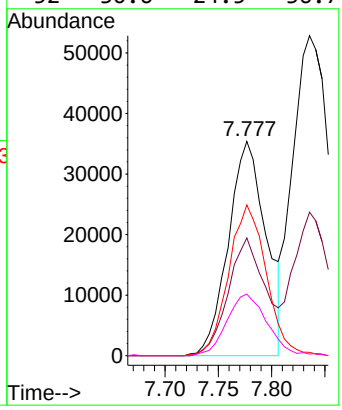


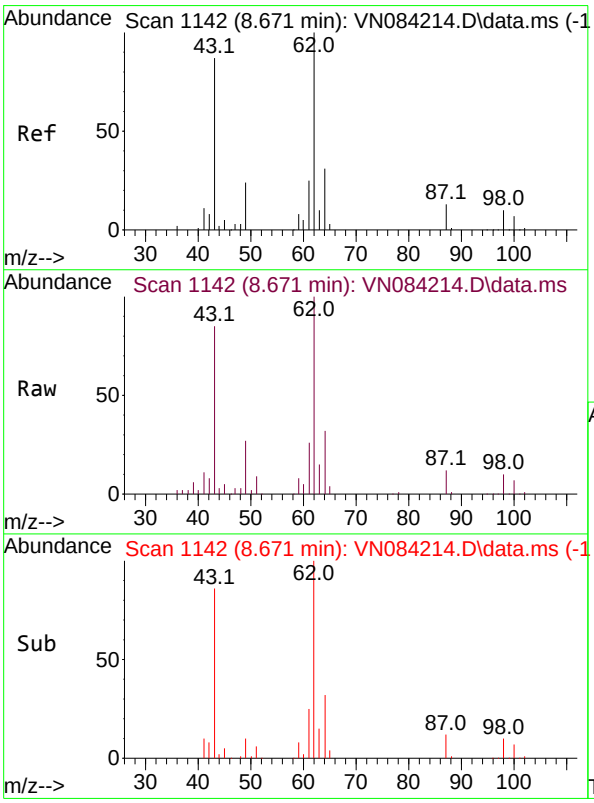
#41
Methacrylonitrile
Concen: 53.861 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

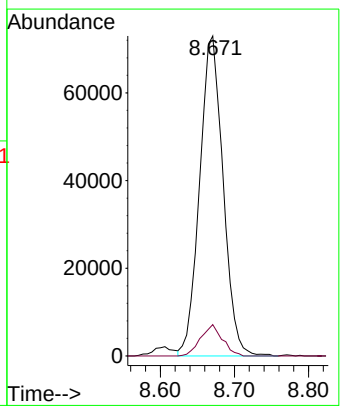


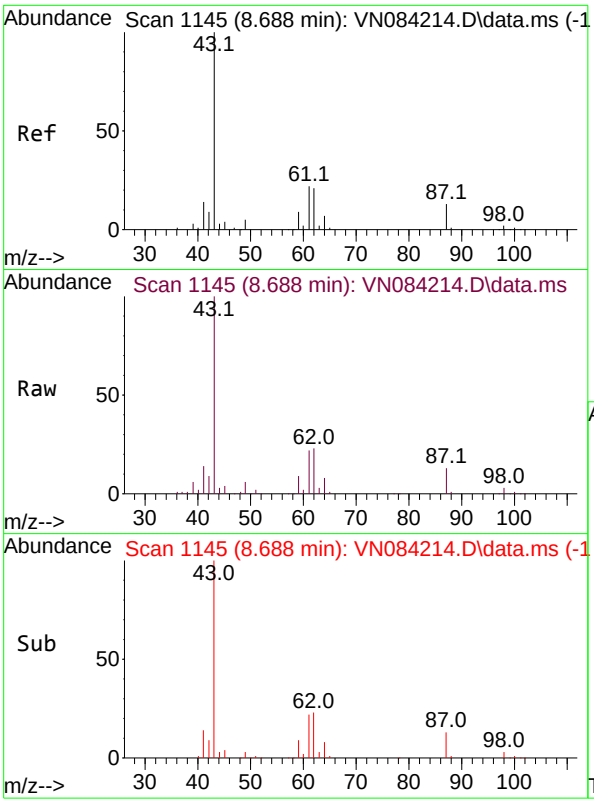


#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 62 Resp: 160606

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



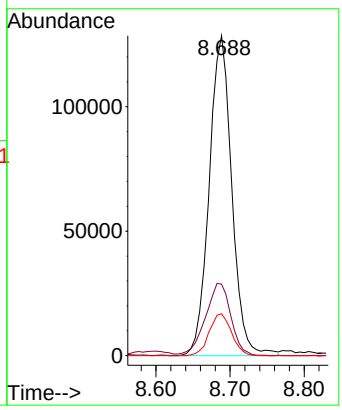


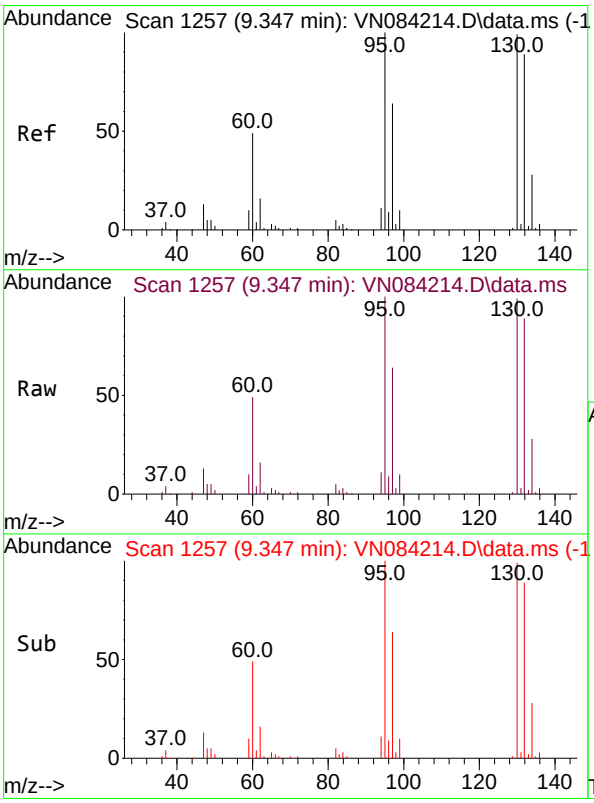
#43
Isopropyl Acetate
Concen: 46.667 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

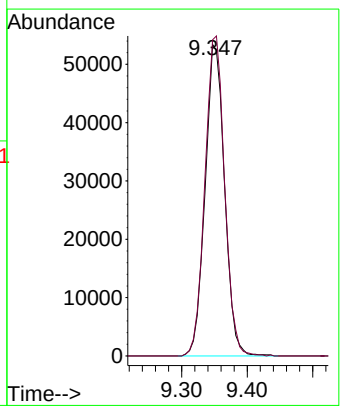


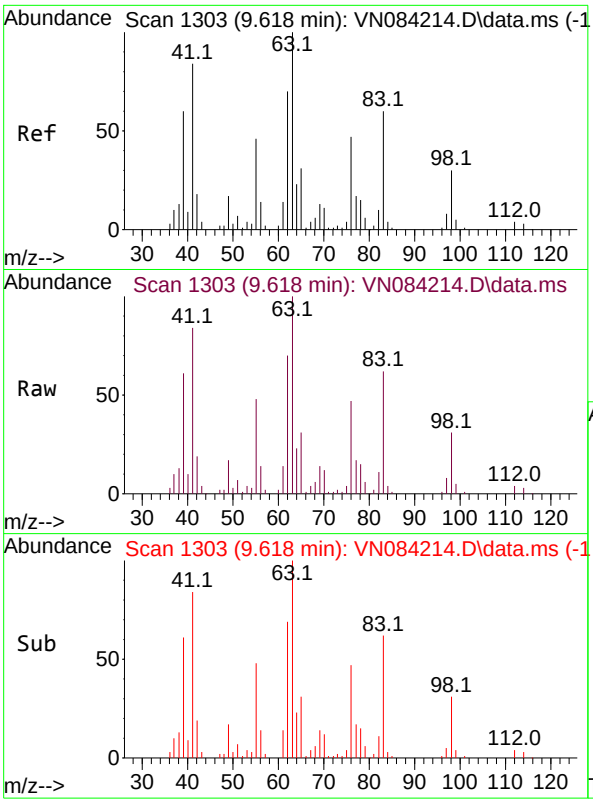


#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:130 Resp: 110119

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0



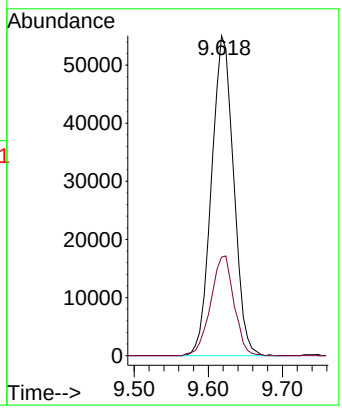


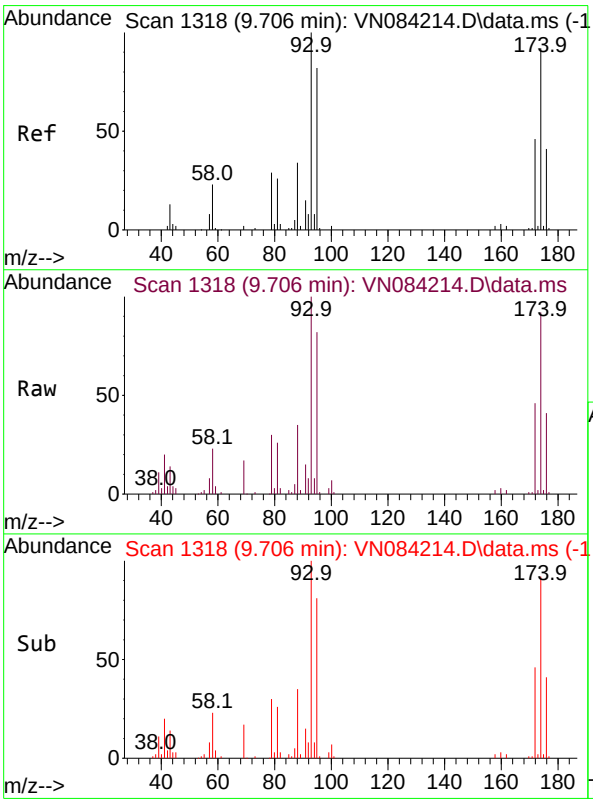
#45
1,2-Dichloropropane
Concen: 53.176 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 114143

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

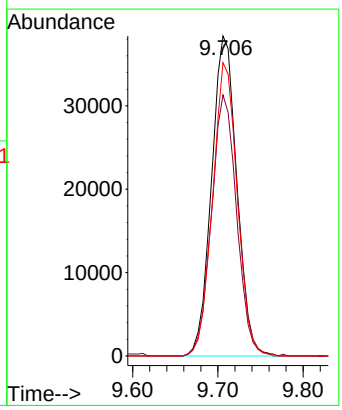


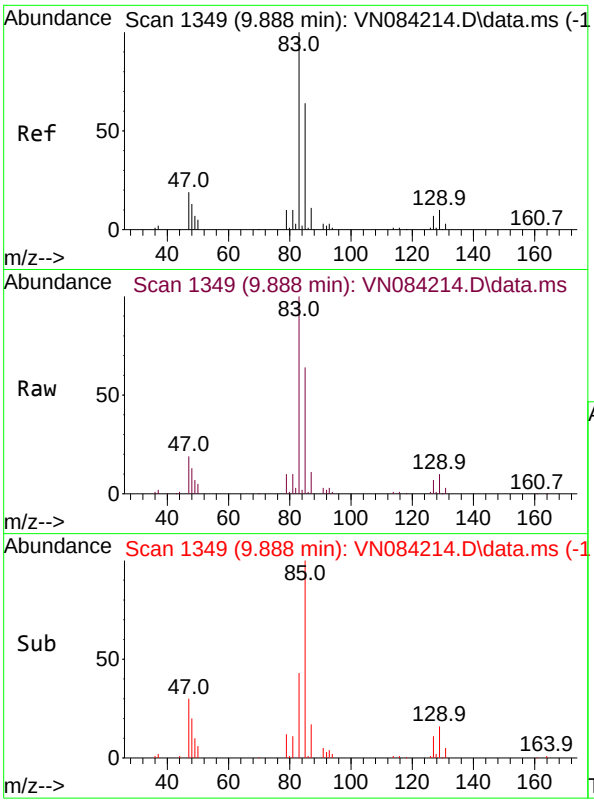


#46
Dibromomethane
Concen: 54.542 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



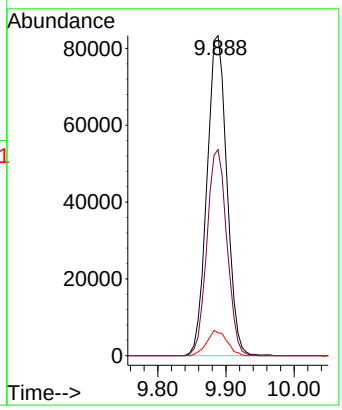


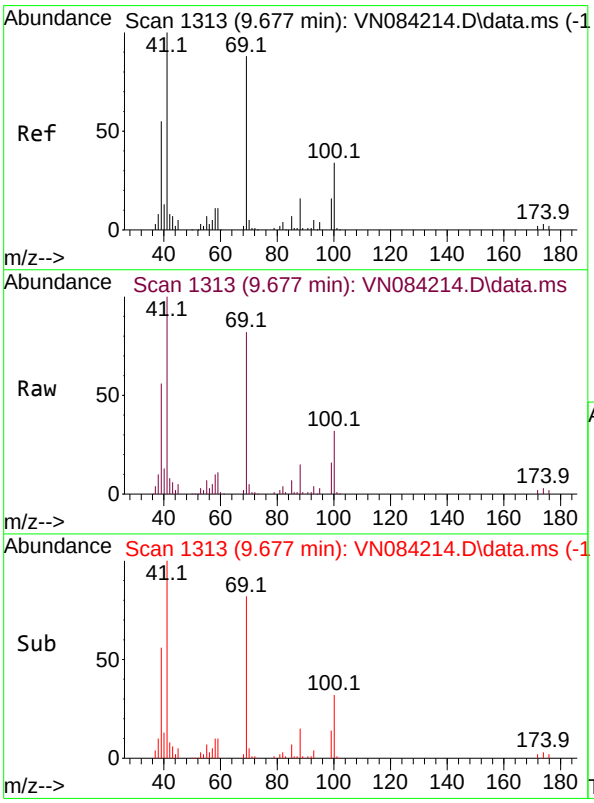
#47
Bromodichloromethane
Concen: 52.595 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

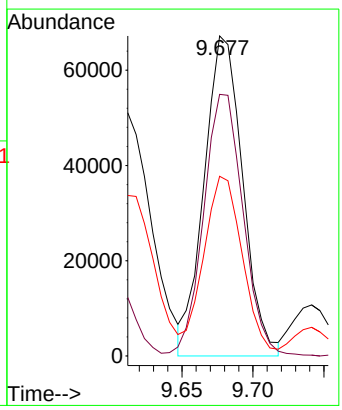


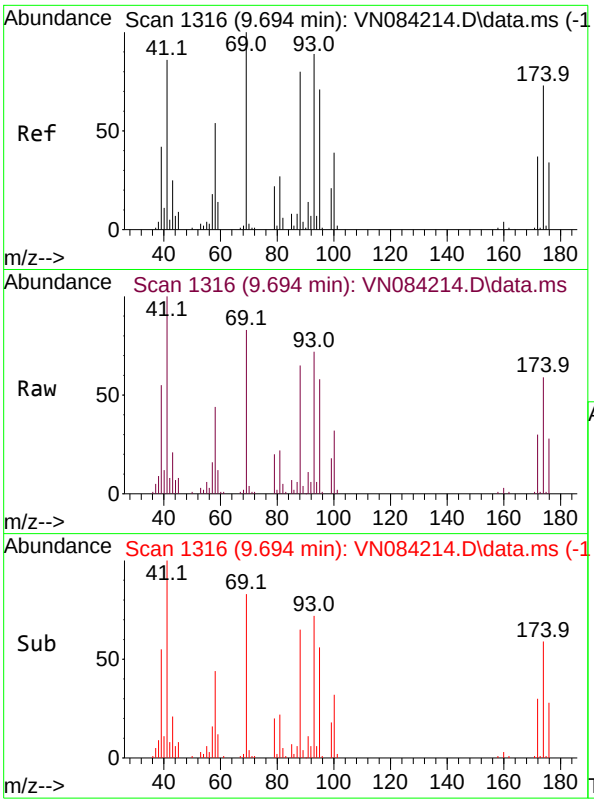


#48
Methyl methacrylate
Concen: 54.534 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



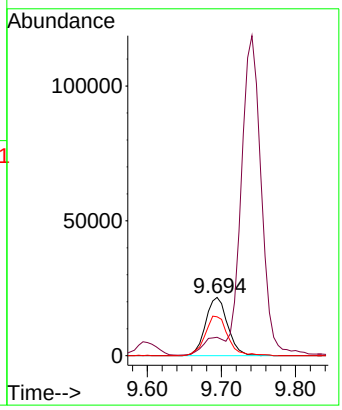


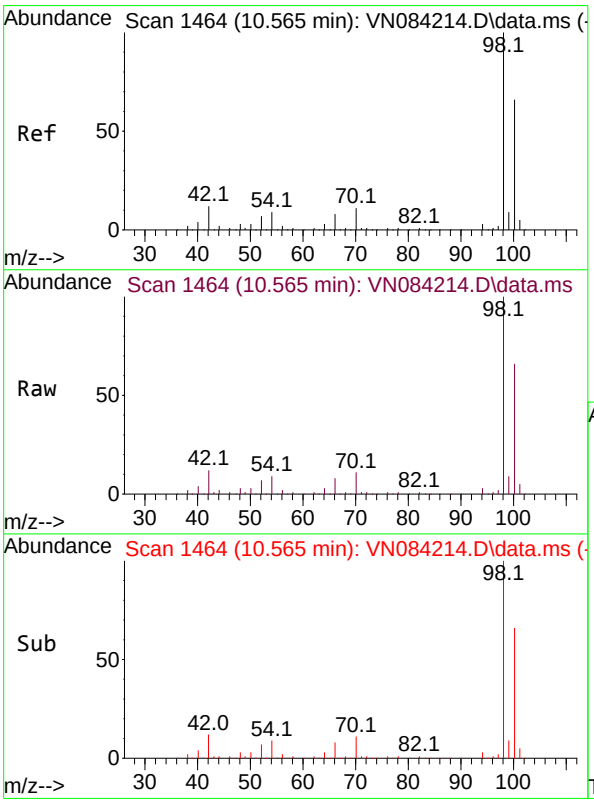
#49
1,4-Dioxane
Concen: 1037.858 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

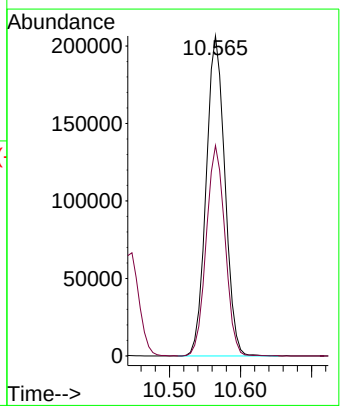


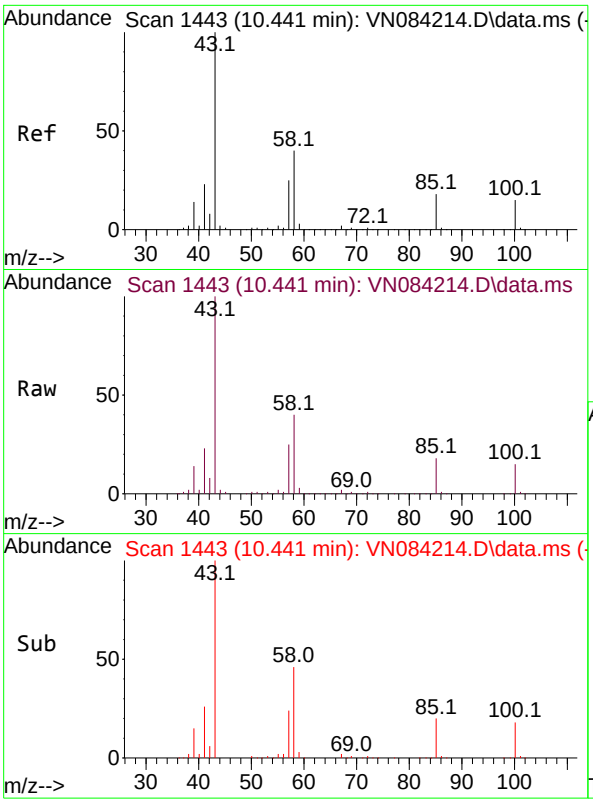


#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 98 Resp: 377886

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



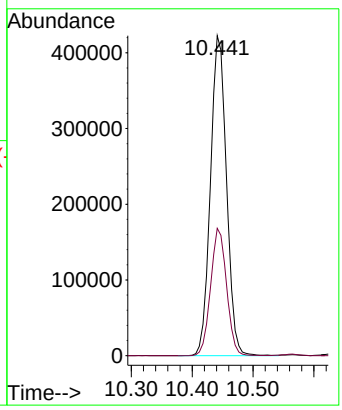


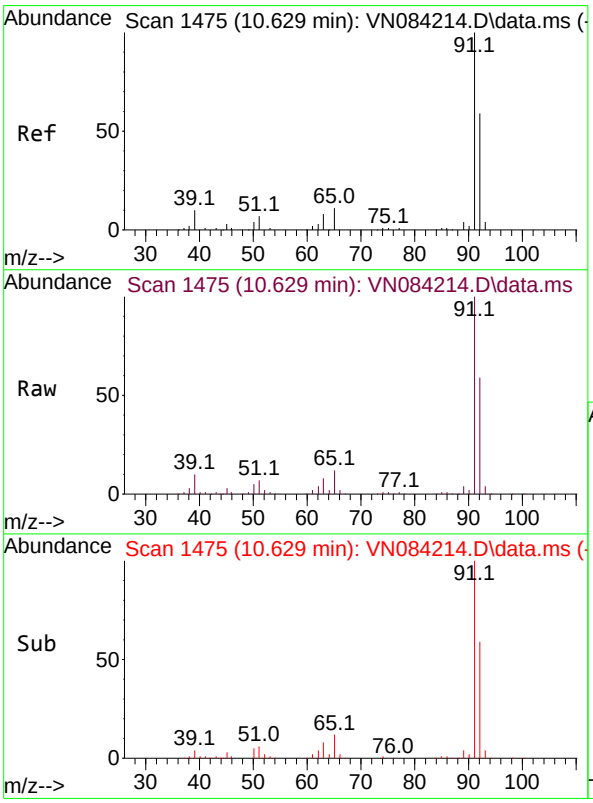
#51
4-Methyl-2-Pentanone
Concen: 271.750 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 772927

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

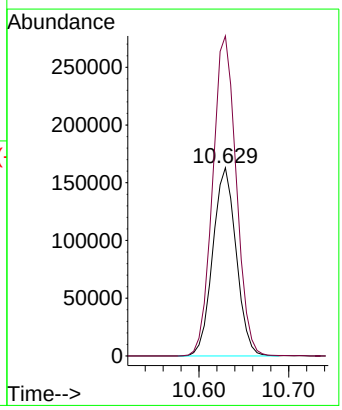


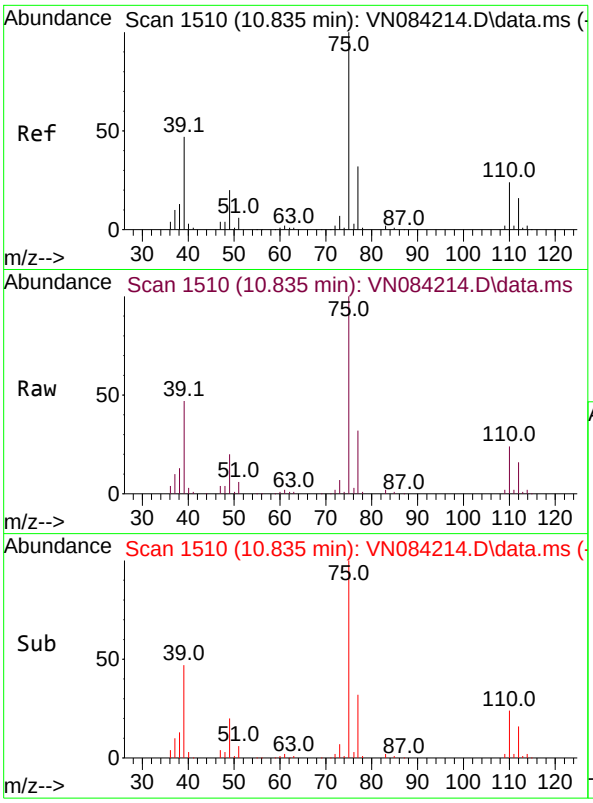


#52
Toluene
Concen: 53.332 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 92 Resp: 295099

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



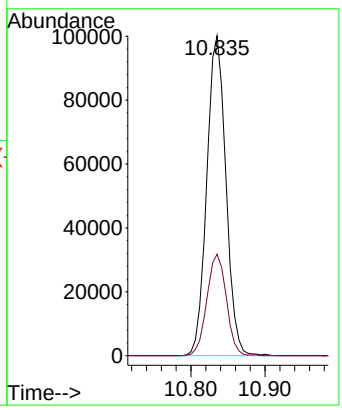


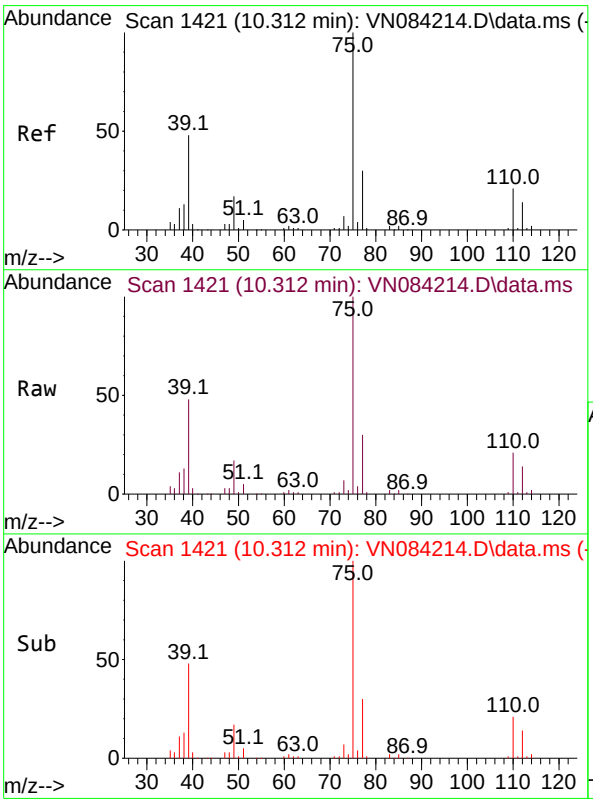
#53
t-1,3-Dichloropropene
Concen: 54.703 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 179453

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

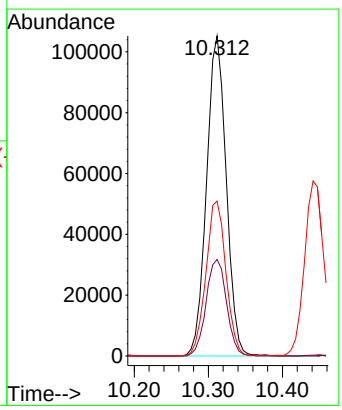


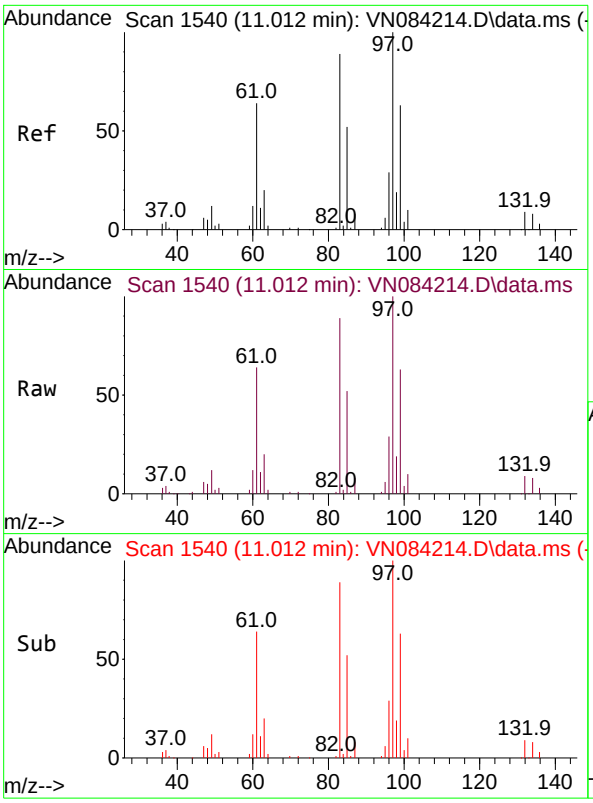


#54
cis-1,3-Dichloropropene
Concen: 54.966 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



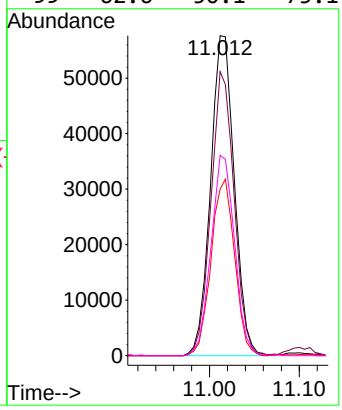


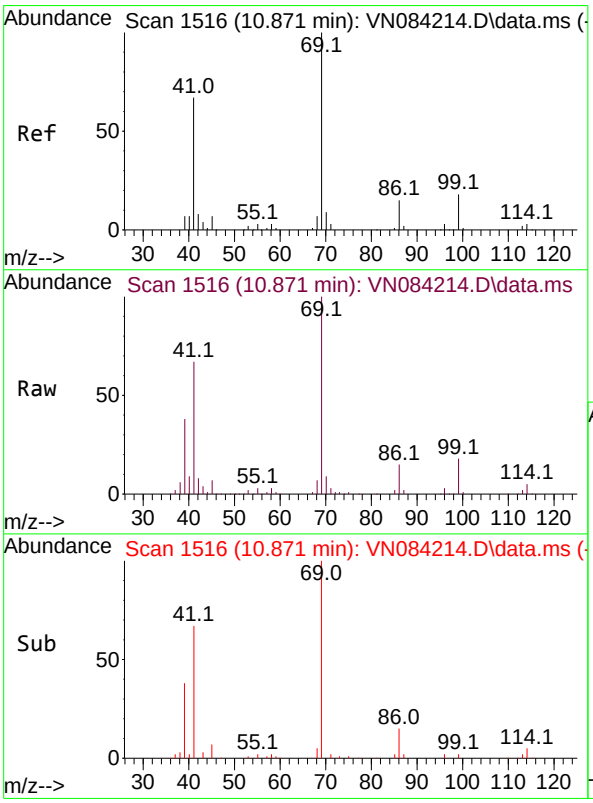
#55
1,1,2-Trichloroethane
Concen: 53.583 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

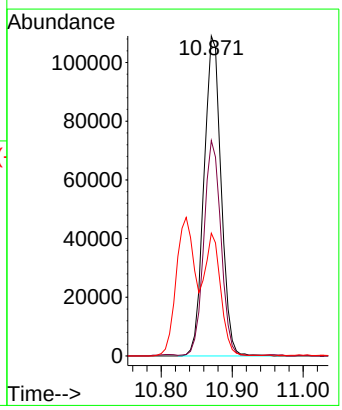


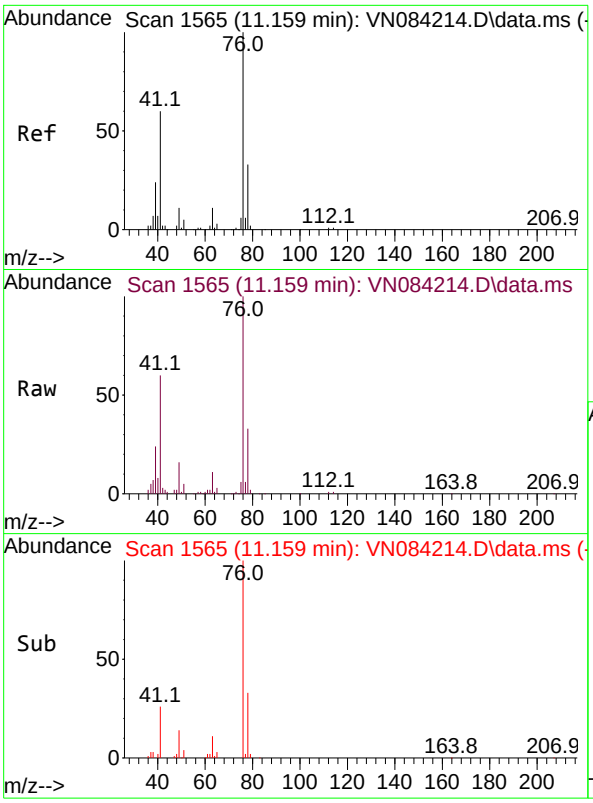


#56
Ethyl methacrylate
Concen: 56.085 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



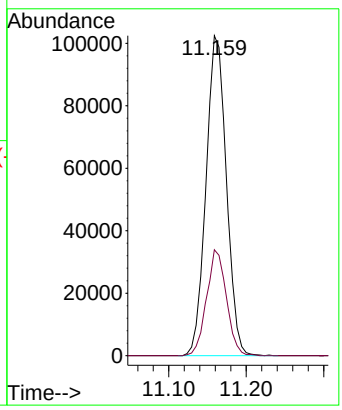


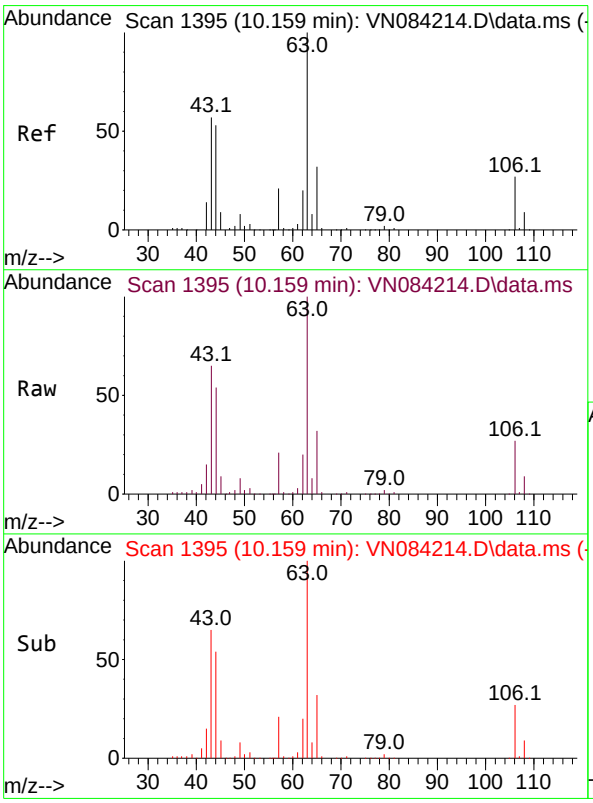
#57
1,3-Dichloropropane
Concen: 52.864 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 187372

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

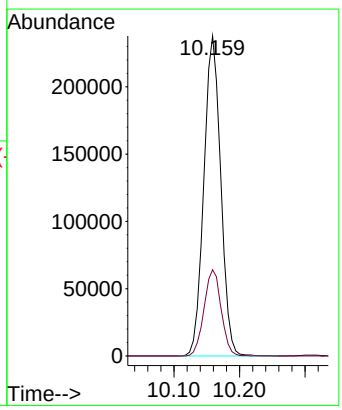


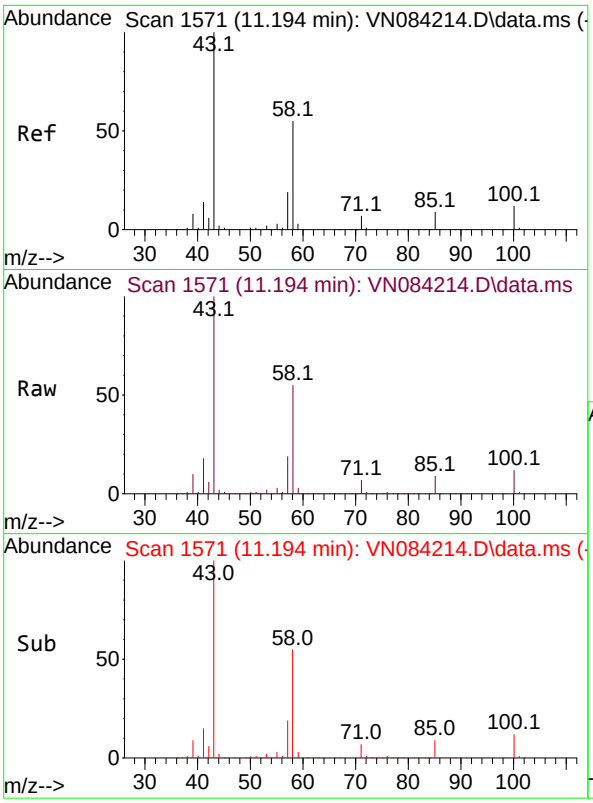


#58
2-Chloroethyl Vinyl ether
Concen: 281.593 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 63 Resp: 426364

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6



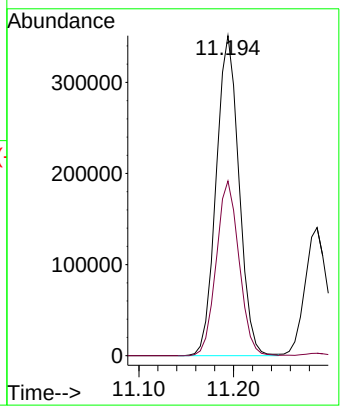


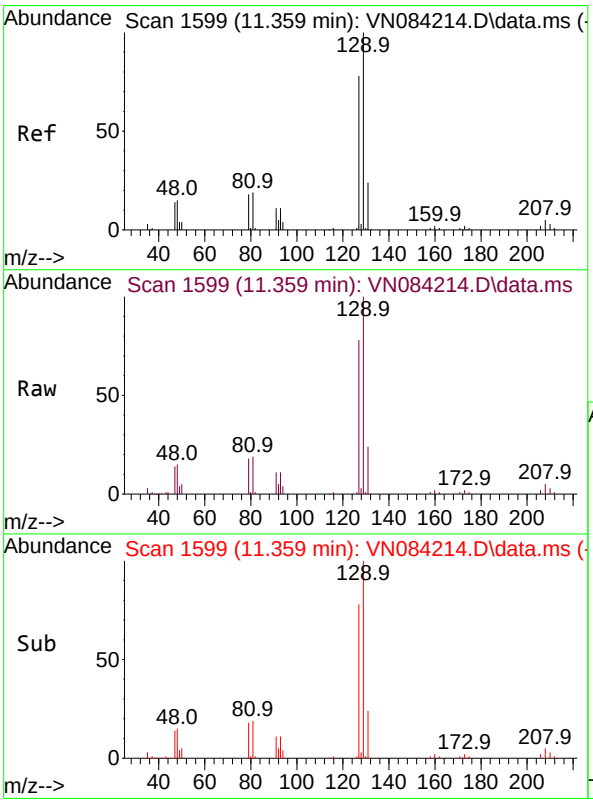
#59
2-Hexanone
Concen: 276.767 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 588361

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

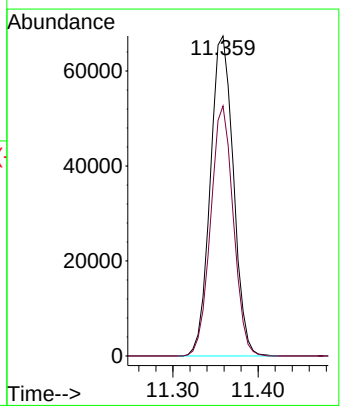


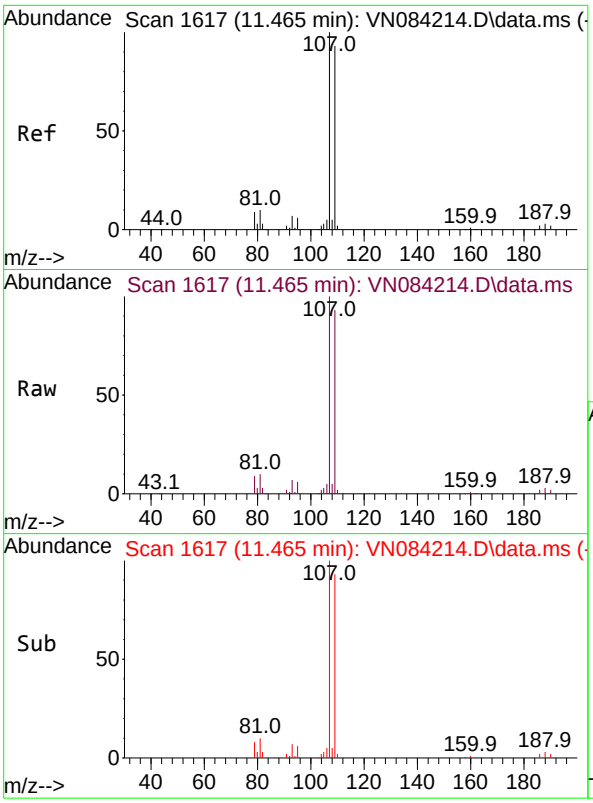


#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:129 Resp: 126992

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9



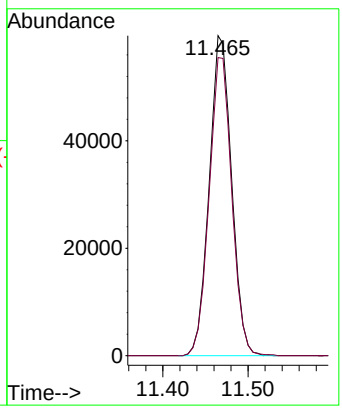


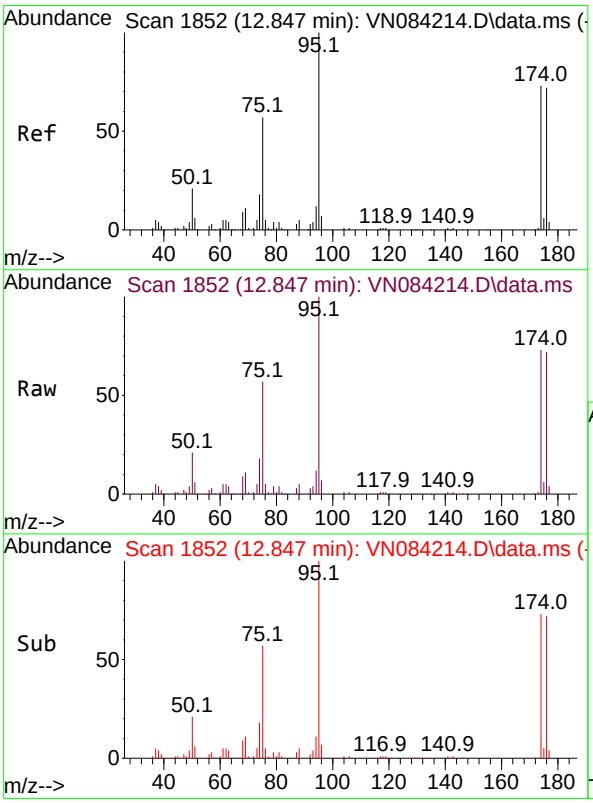
#61
1,2-Dibromoethane
Concen: 52.794 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 108817

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

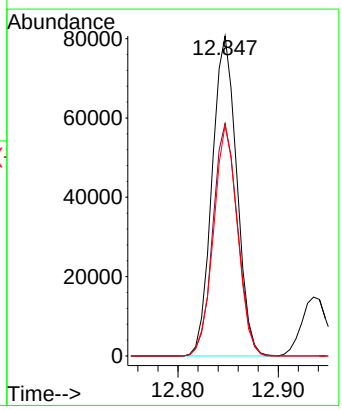


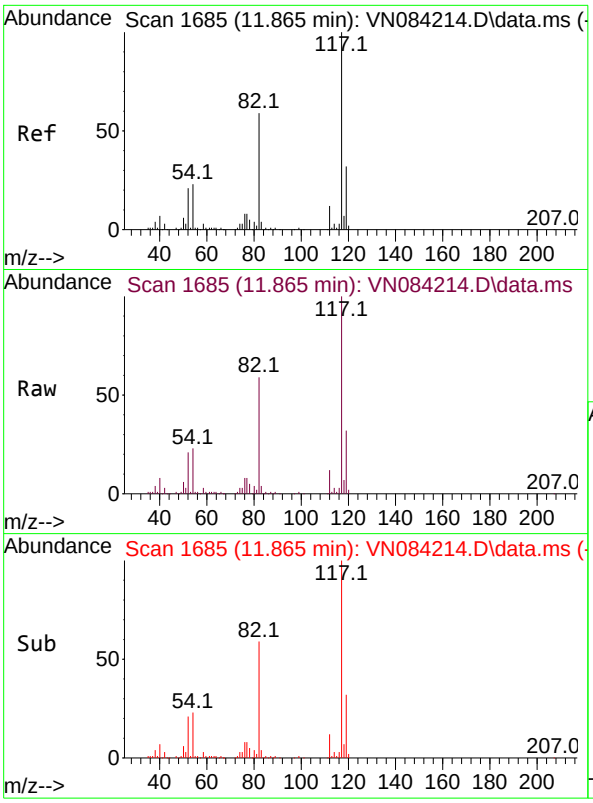


#62
4-Bromofluorobenzene
Concen: 51.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



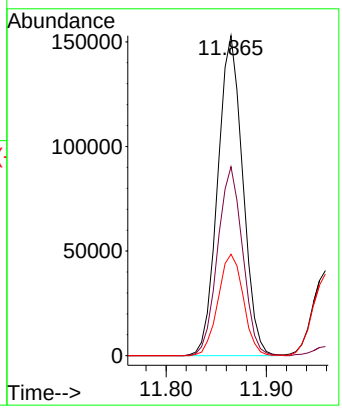


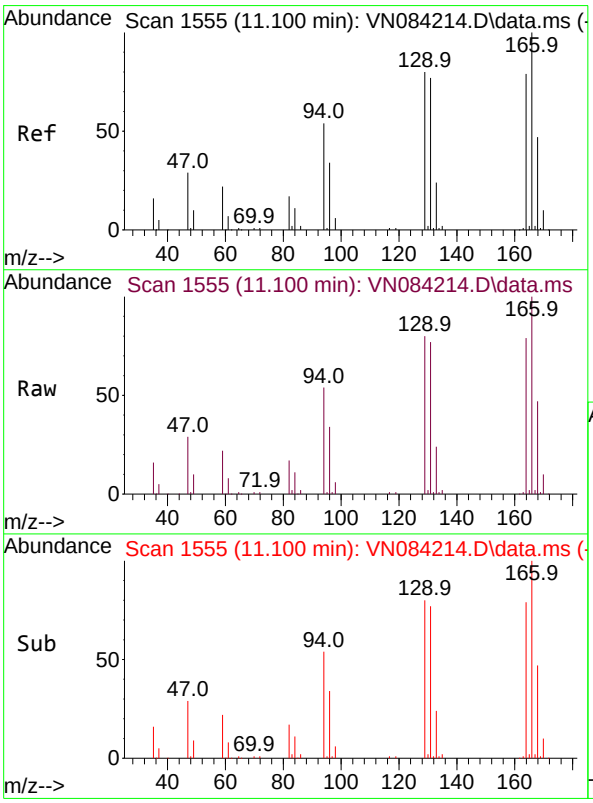
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

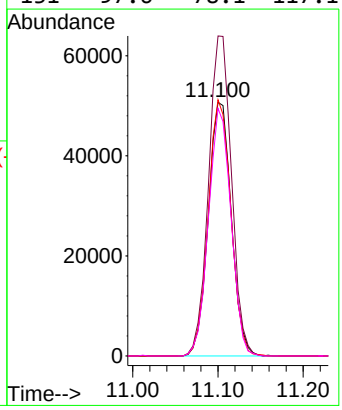


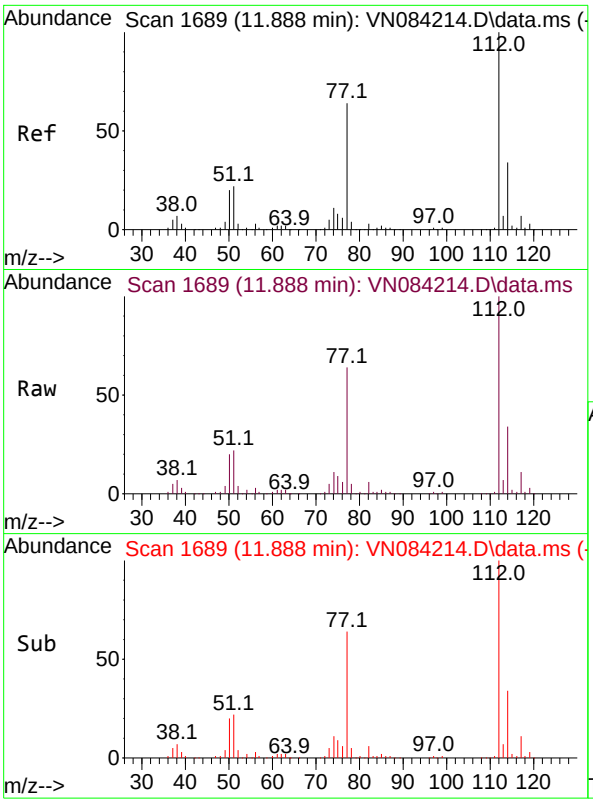


#64
Tetrachloroethene
Concen: 51.486 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



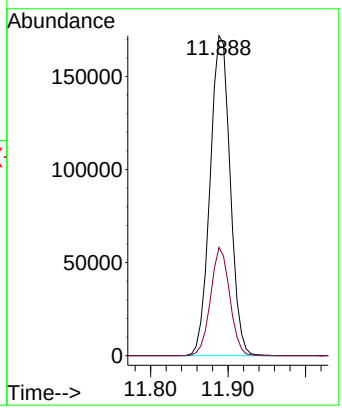


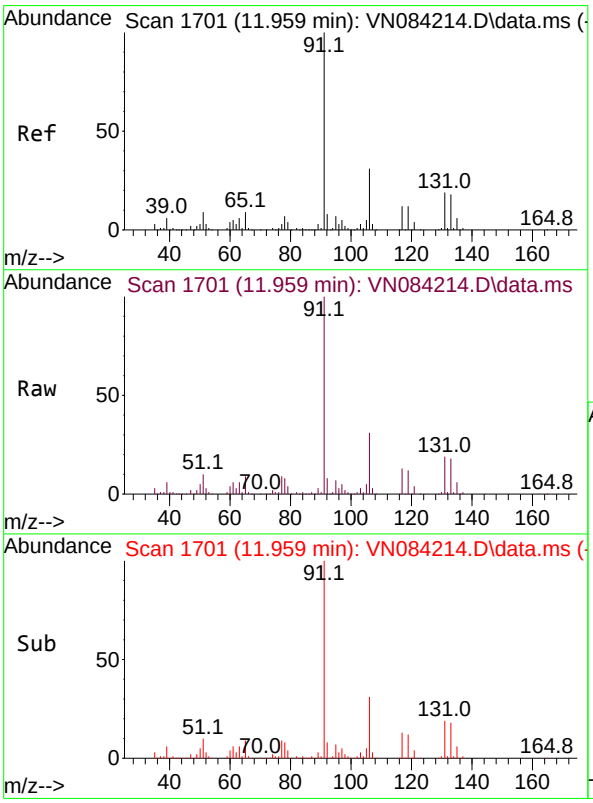
#65
Chlorobenzene
Concen: 52.770 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 309849

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6

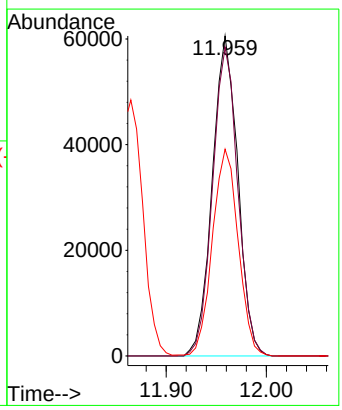


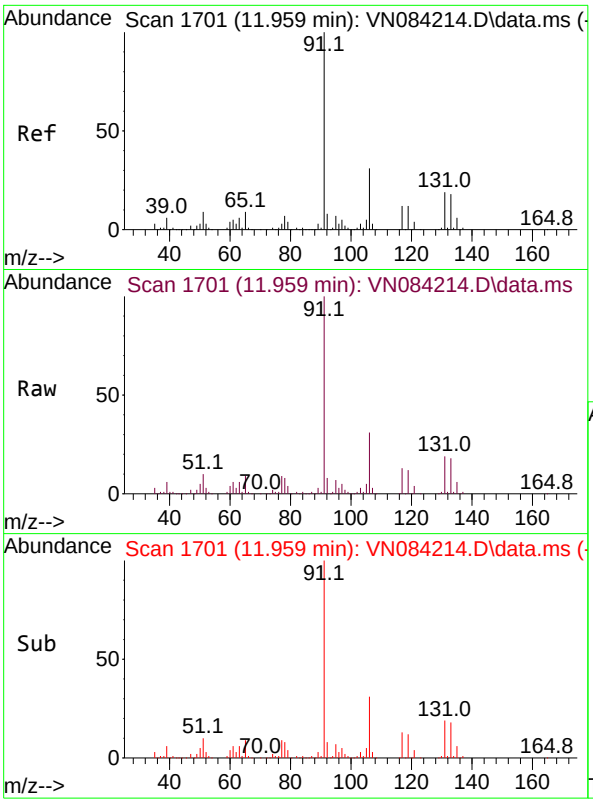


#66
1,1,1,2-Tetrachloroethane
Concen: 52.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



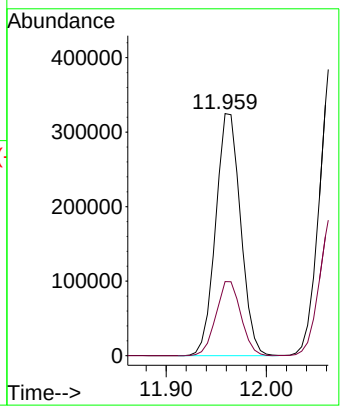


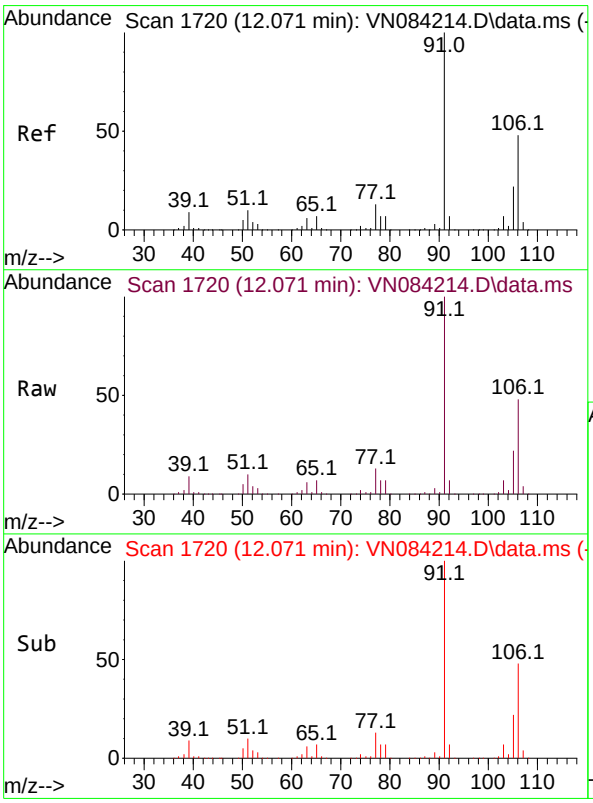
#67
Ethyl Benzene
Concen: 54.100 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 561770

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7

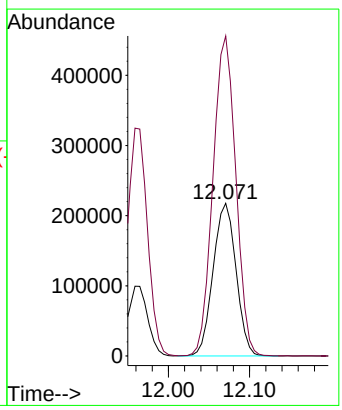


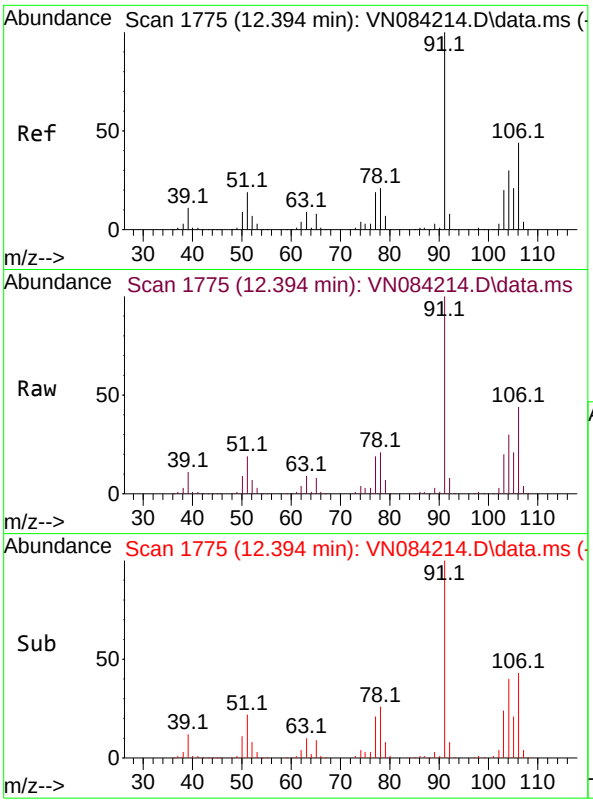


#68
m/p-Xylenes
Concen: 111.201 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:106 Resp: 427131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7



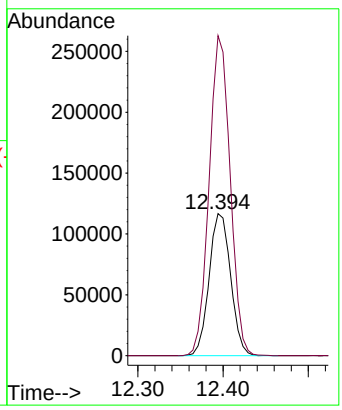


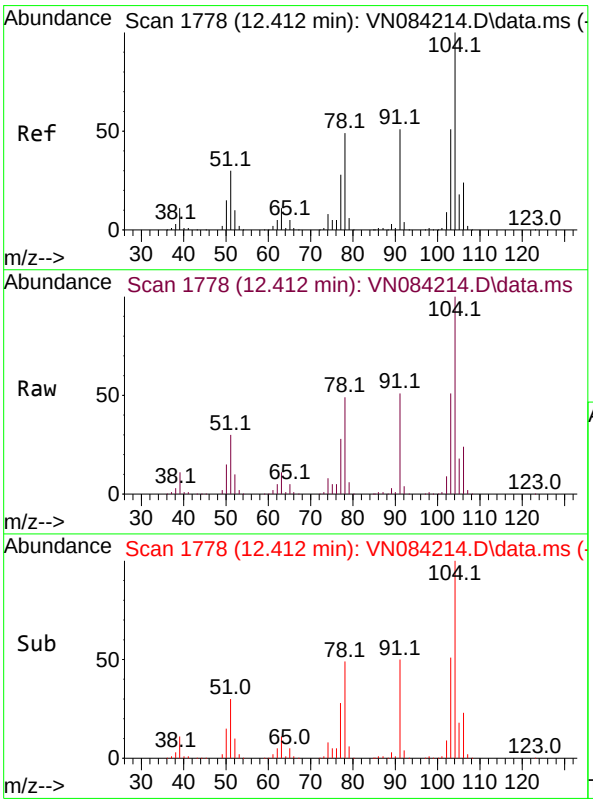
#69
o-Xylene
Concen: 56.370 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 204854

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.2	330.6

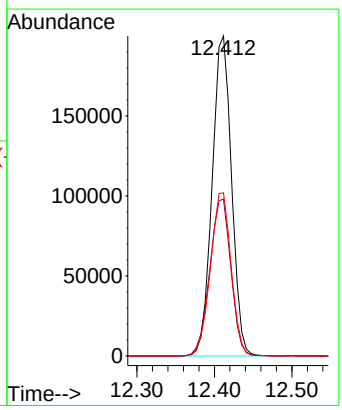


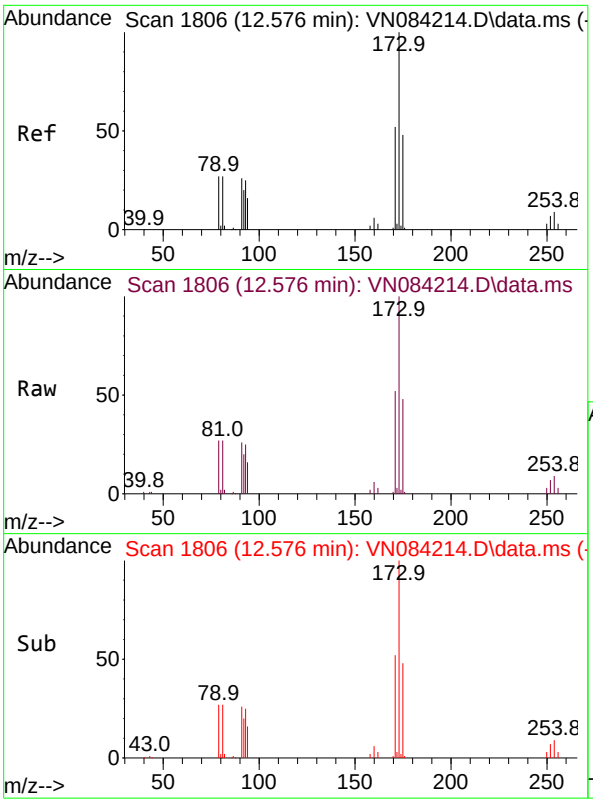


#70
Styrene
Concen: 56.434 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



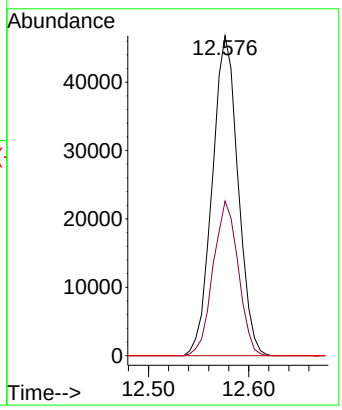


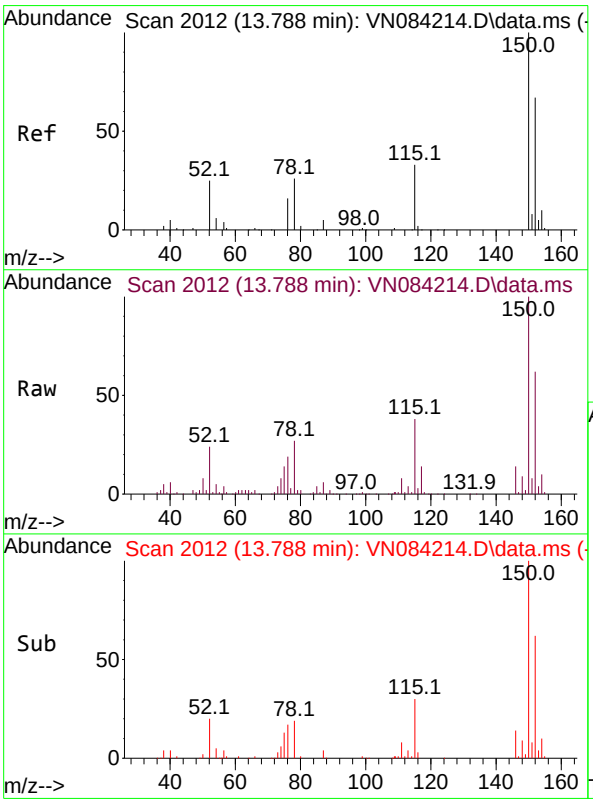
#71
Bromoform
Concen: 56.070 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

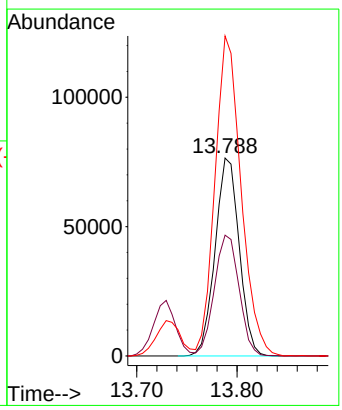


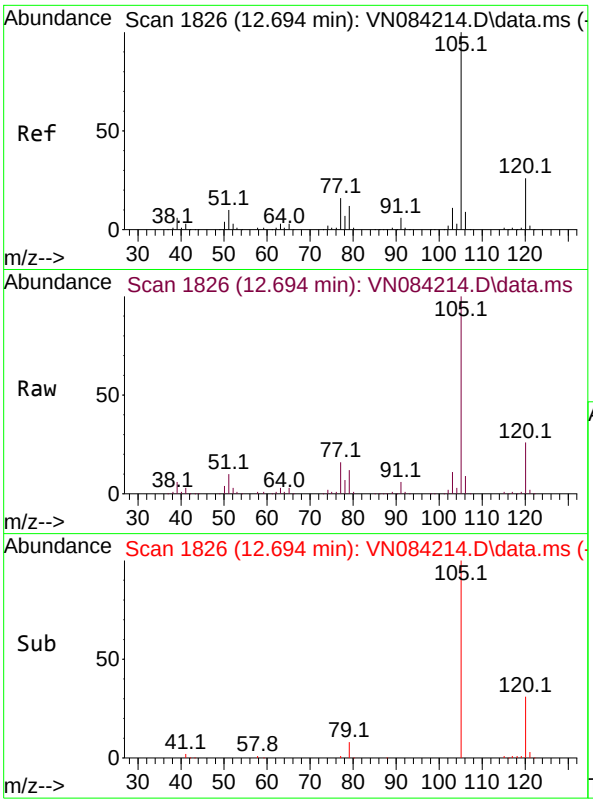


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



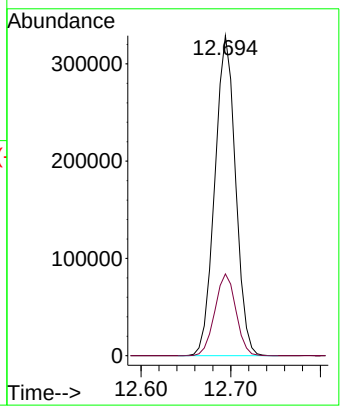


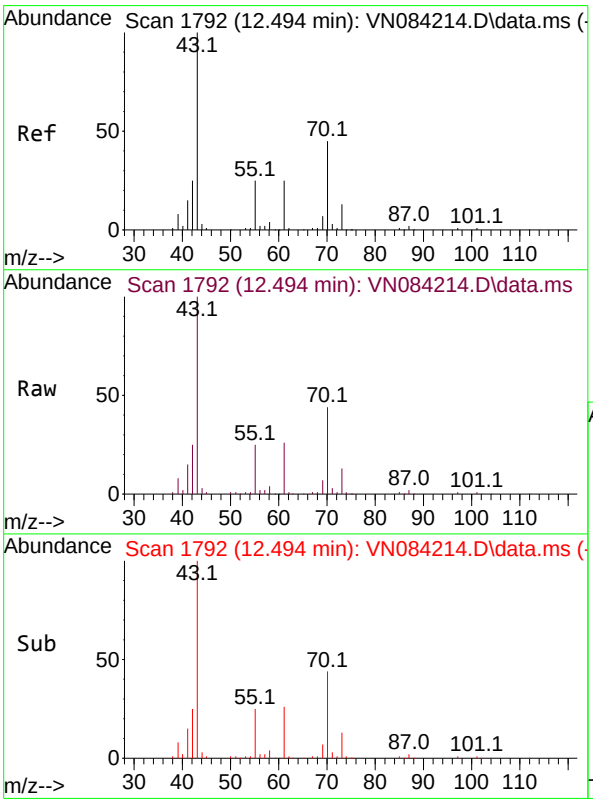
#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 527625

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

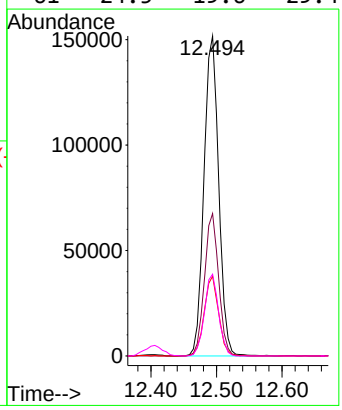


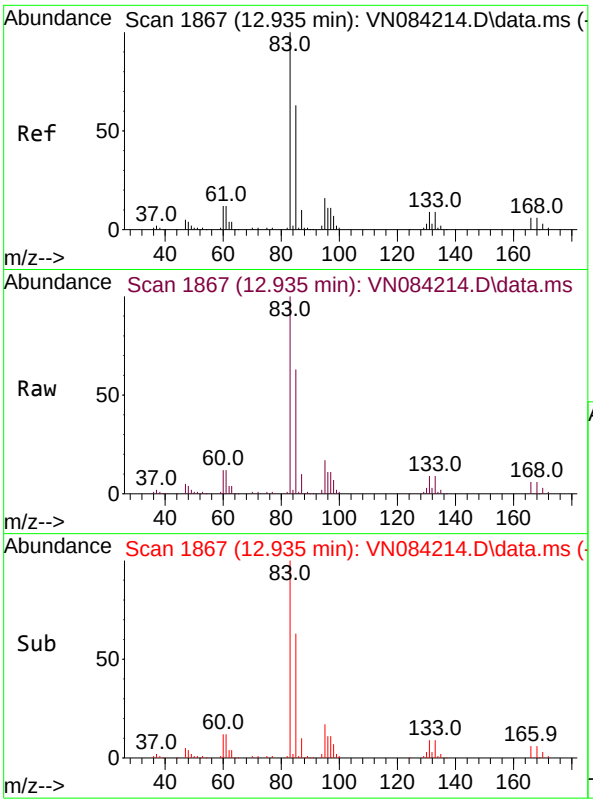


#74
N-amyl acetate
Concen: 53.738 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



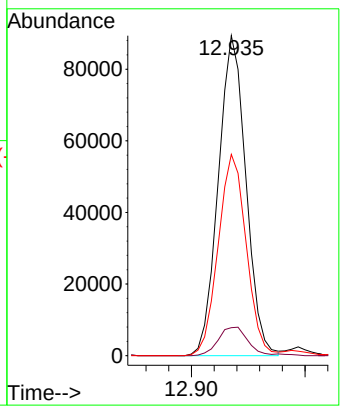


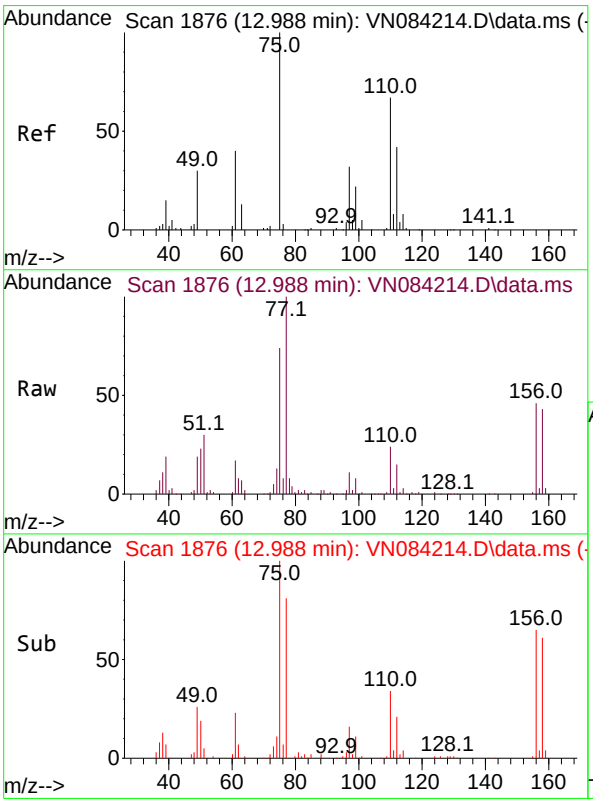
#75
1,1,2,2-Tetrachloroethane
Concen: 51.560 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

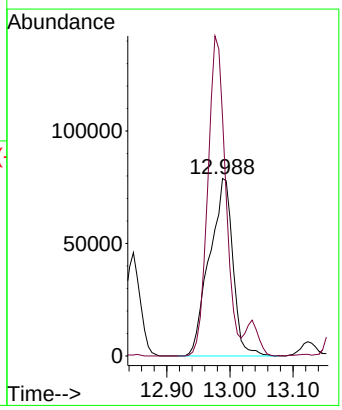


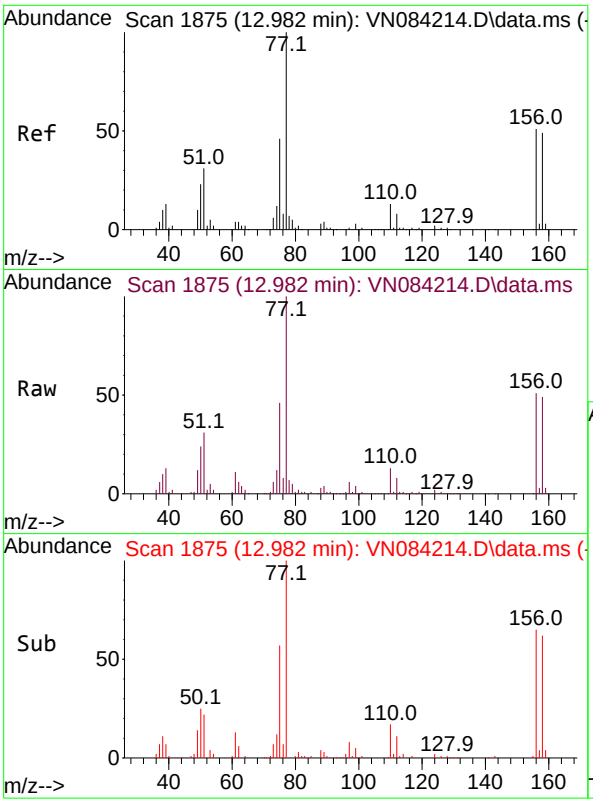


#76
1,2,3-Trichloropropane
Concen: 79.983 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 75 Resp: 203575

Ion	Ratio	Lower	Upper
75	100		
77	136.7	96.9	290.7



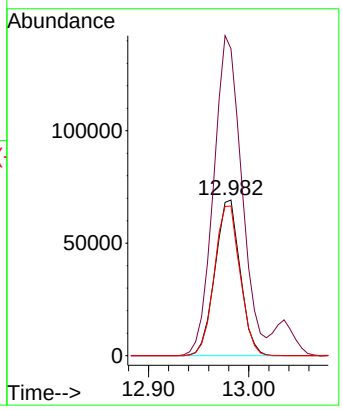


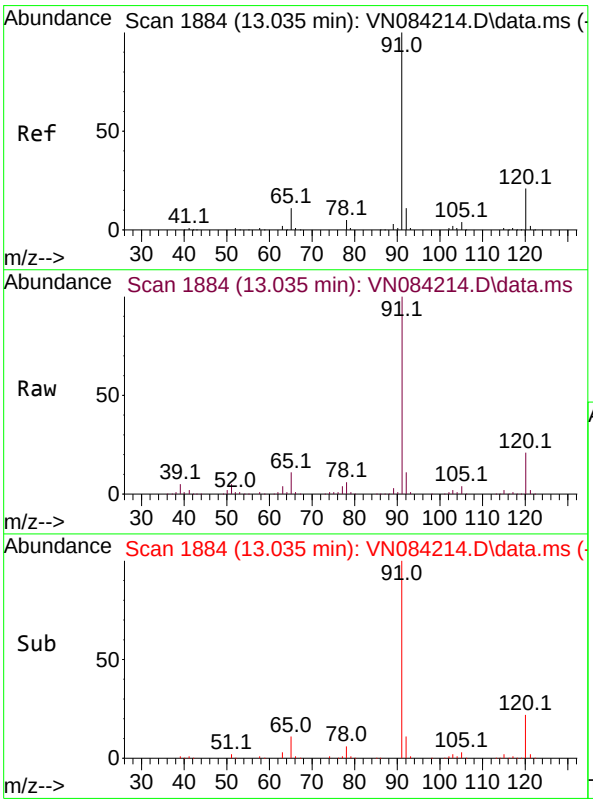
#77
Bromobenzene
Concen: 51.442 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

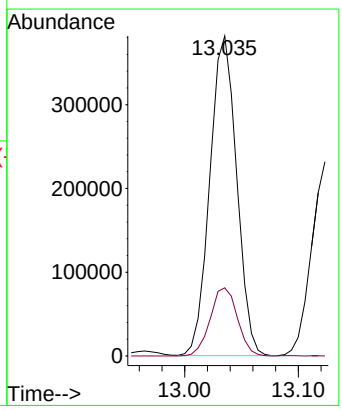


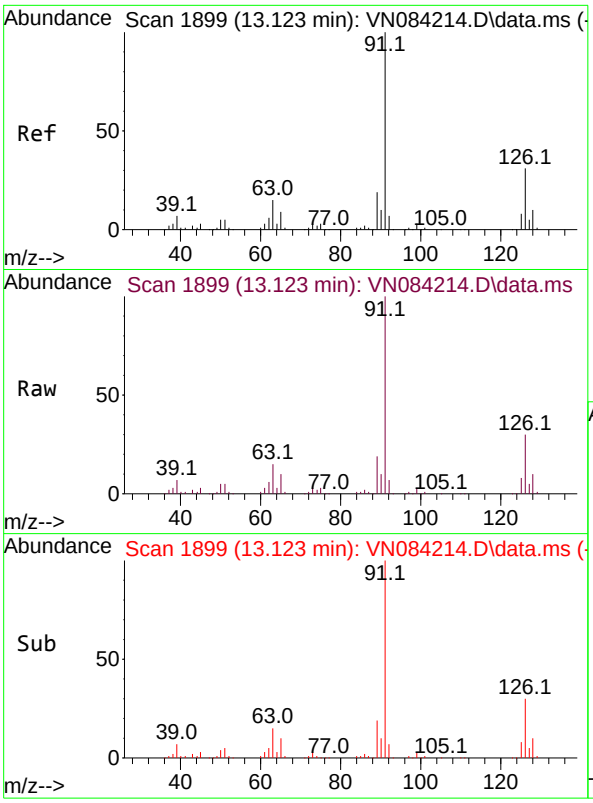


#78
n-propylbenzene
Concen: 55.490 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 626503

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



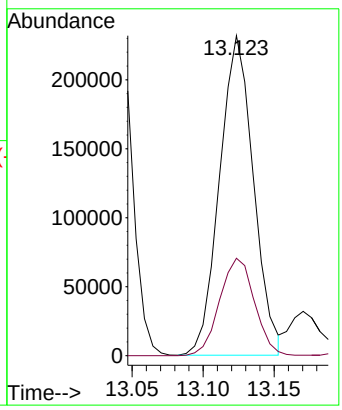


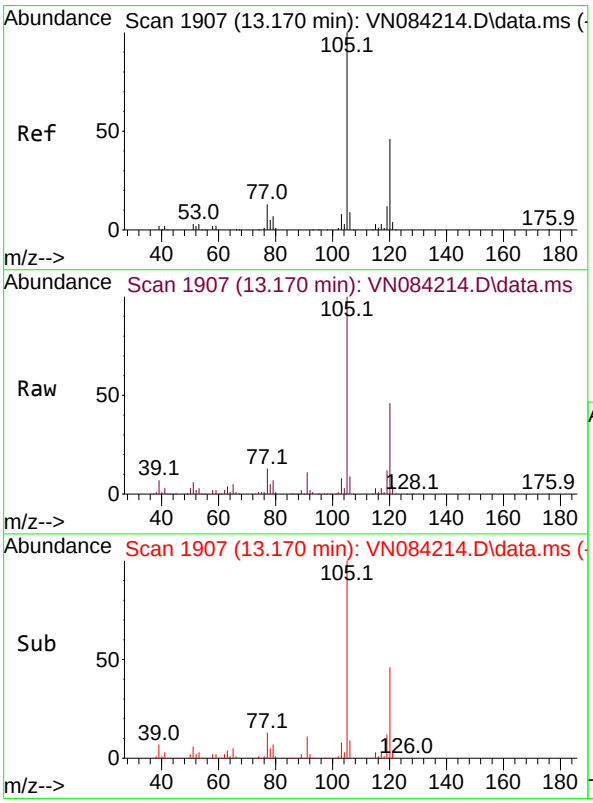
#79
2-Chlorotoluene
Concen: 53.411 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 384795

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

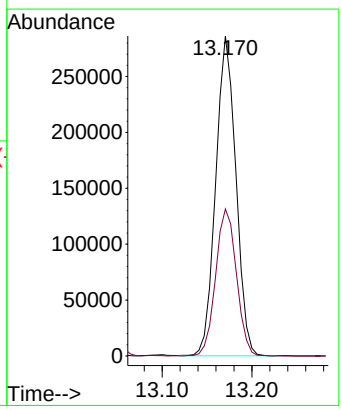


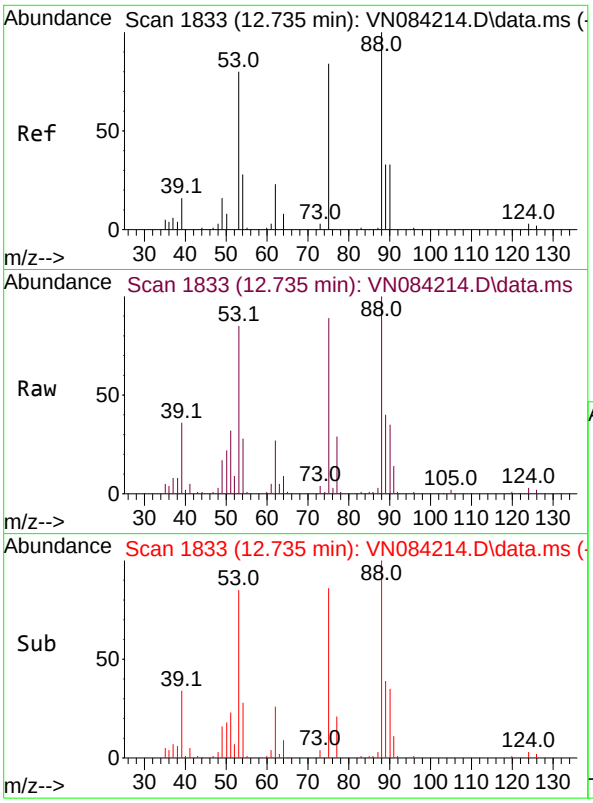


#80
1,3,5-Trimethylbenzene
Concen: 56.084 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 445807

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



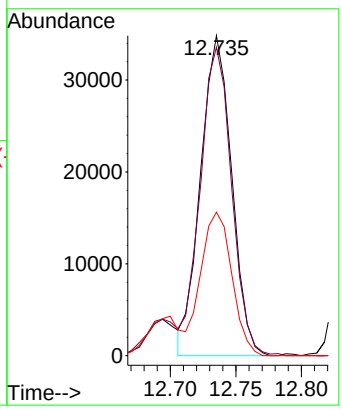


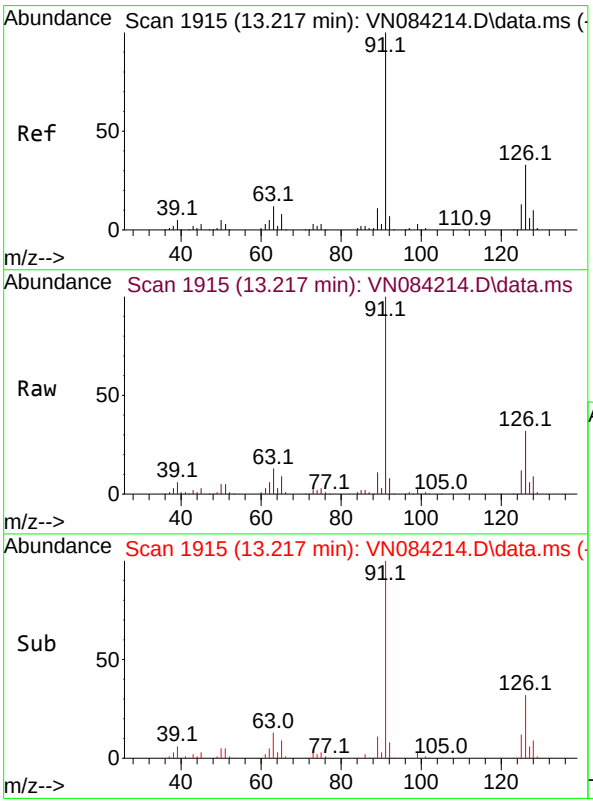
#81
trans-1,4-Dichloro-2-butene
Concen: 52.943 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

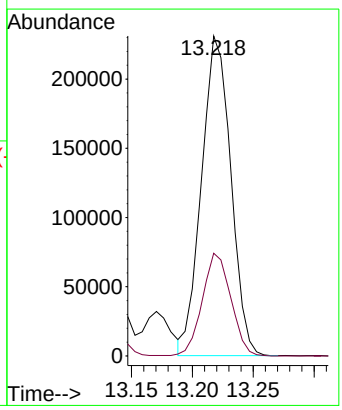


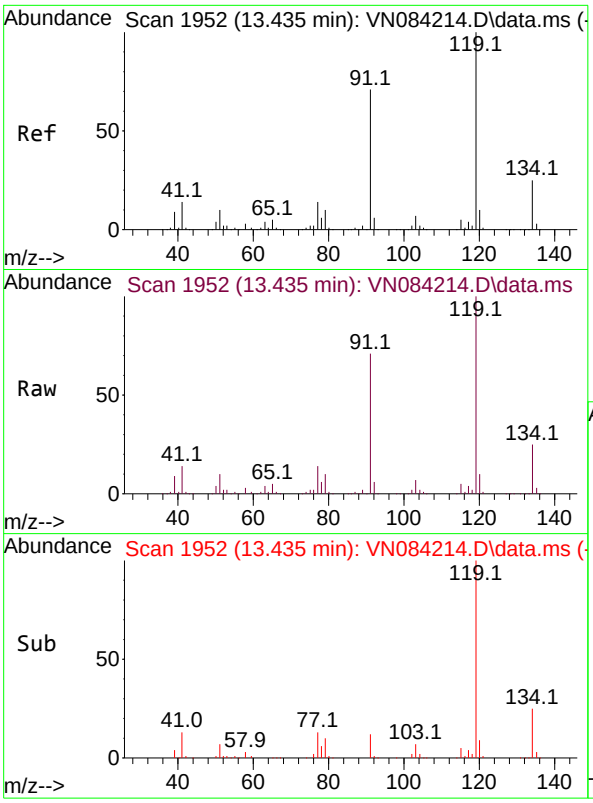


#82
4-Chlorotoluene
Concen: 53.341 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion: 91 Resp: 386854

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



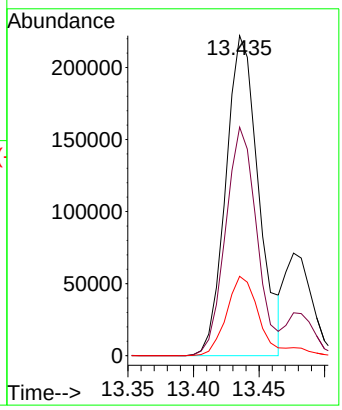


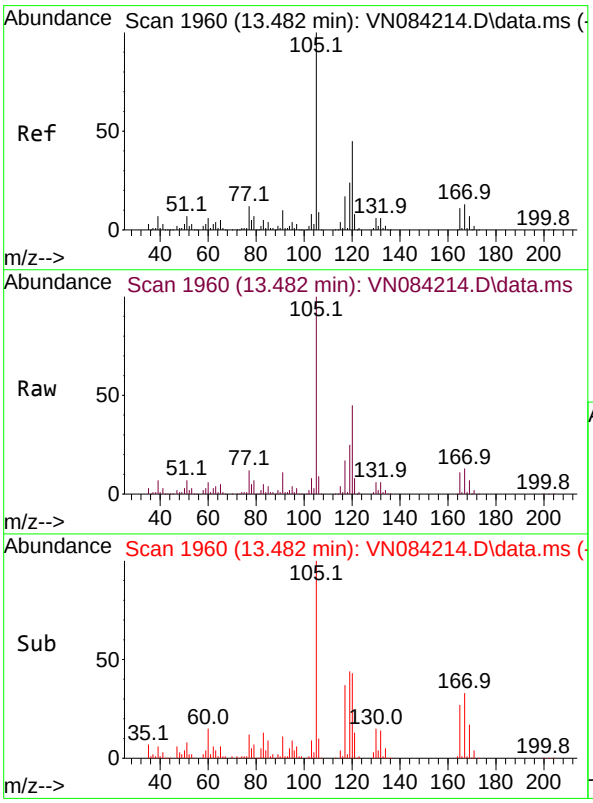
#83
tert-Butylbenzene
Concen: 54.711 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

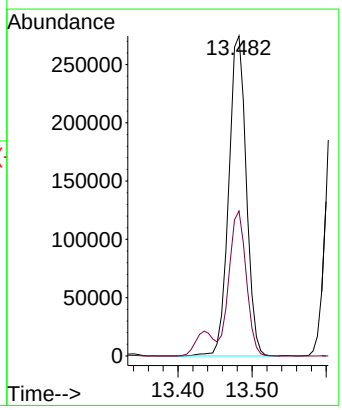


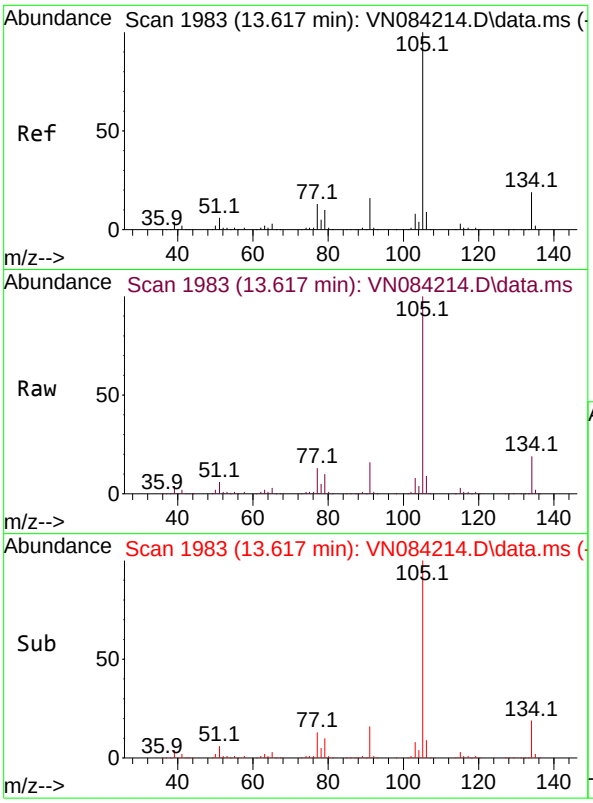


#84
1,2,4-Trimethylbenzene
Concen: 56.161 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:105 Resp: 449720

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.8



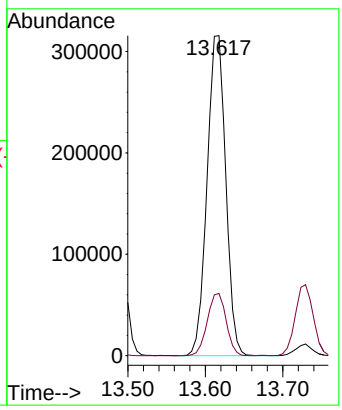


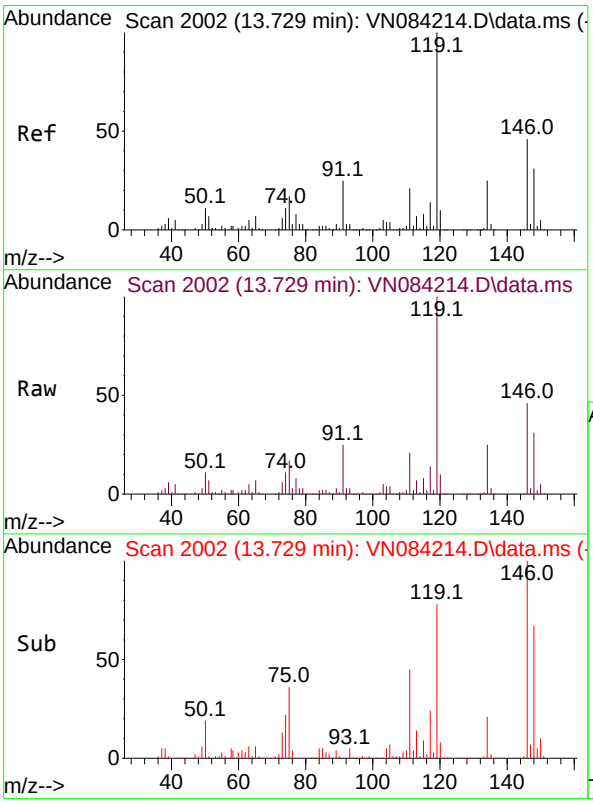
#85
sec-Butylbenzene
Concen: 56.119 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 529076

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

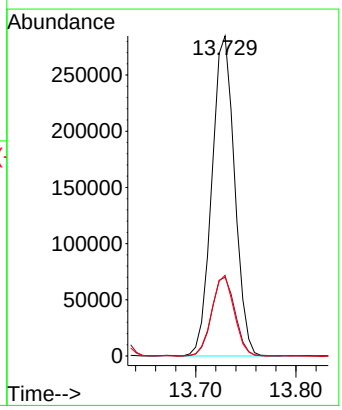


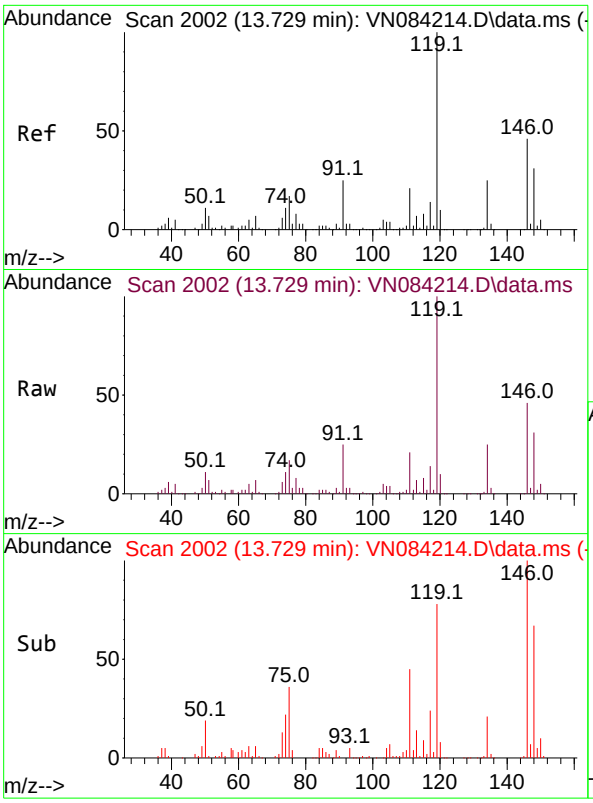


#86
p-Isopropyltoluene
Concen: 57.485 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



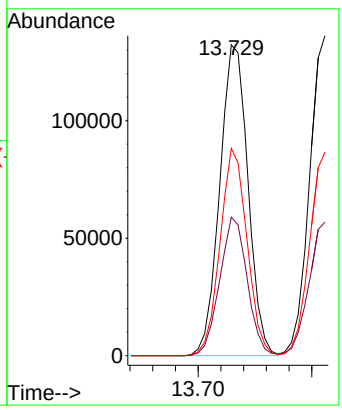


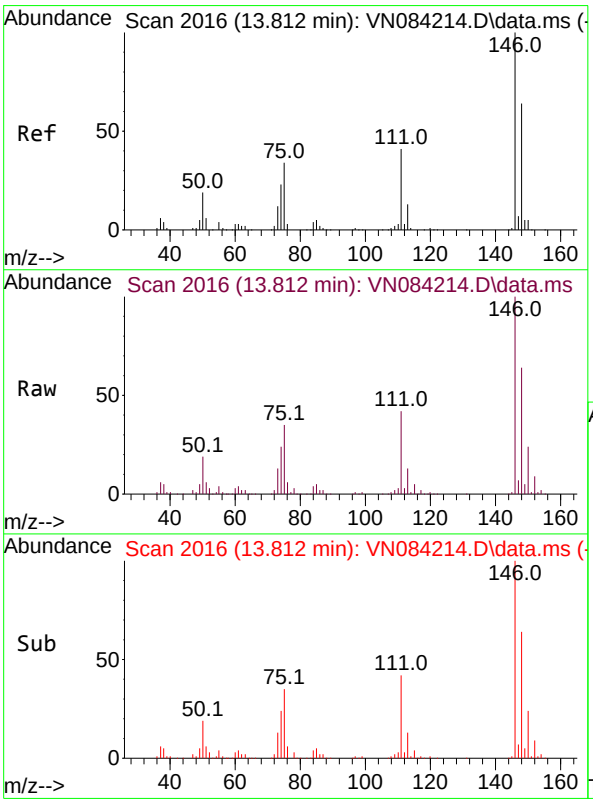
#87
1,3-Dichlorobenzene
Concen: 51.755 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

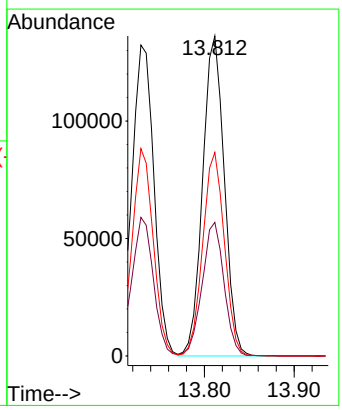


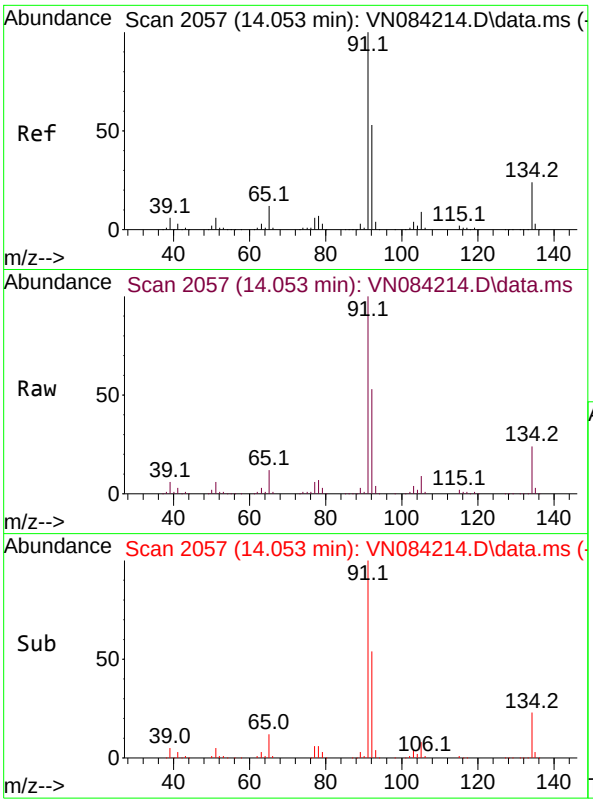


#88
1,4-Dichlorobenzene
Concen: 51.163 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



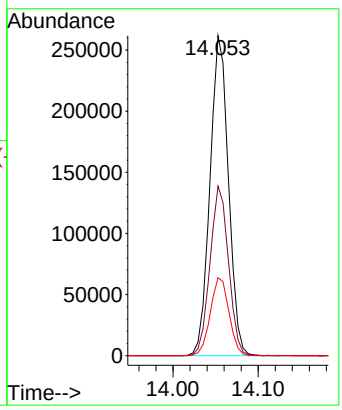


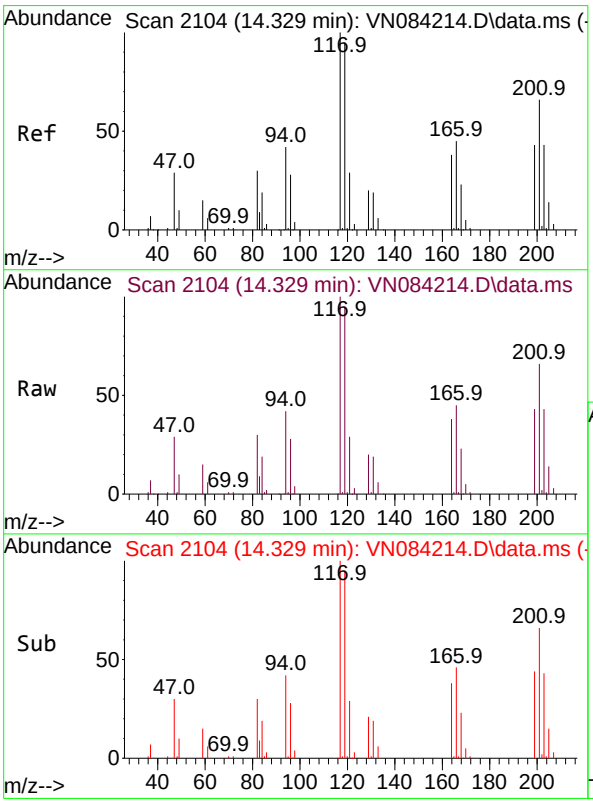
#89
n-Butylbenzene
Concen: 55.854 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

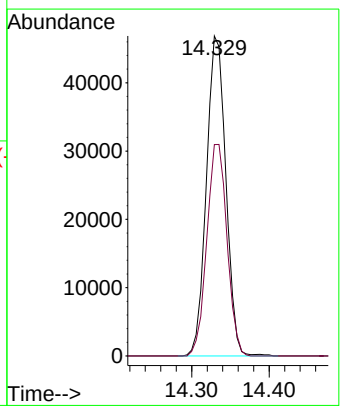


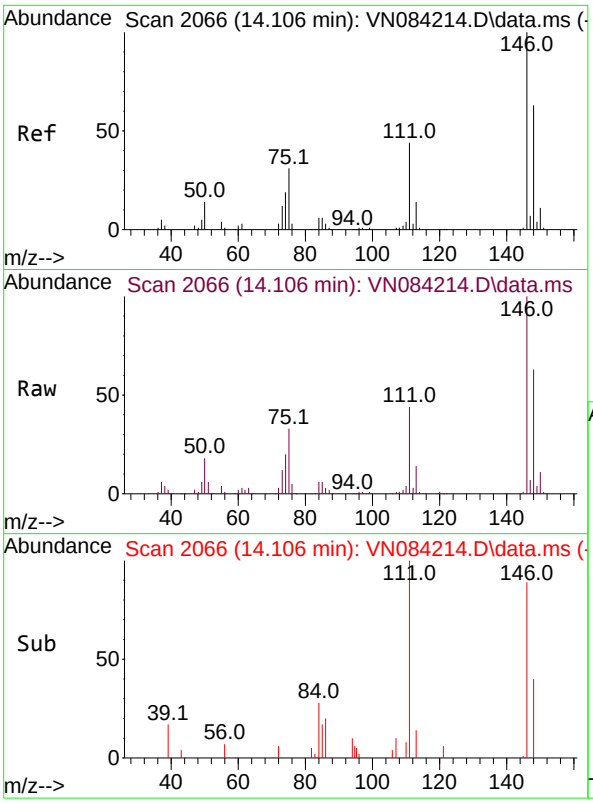


#90
Hexachloroethane
Concen: 51.582 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

Tgt Ion:117 Resp: 81626

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2



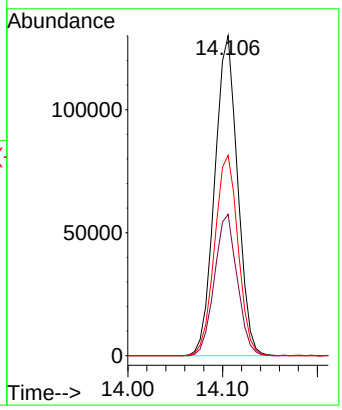


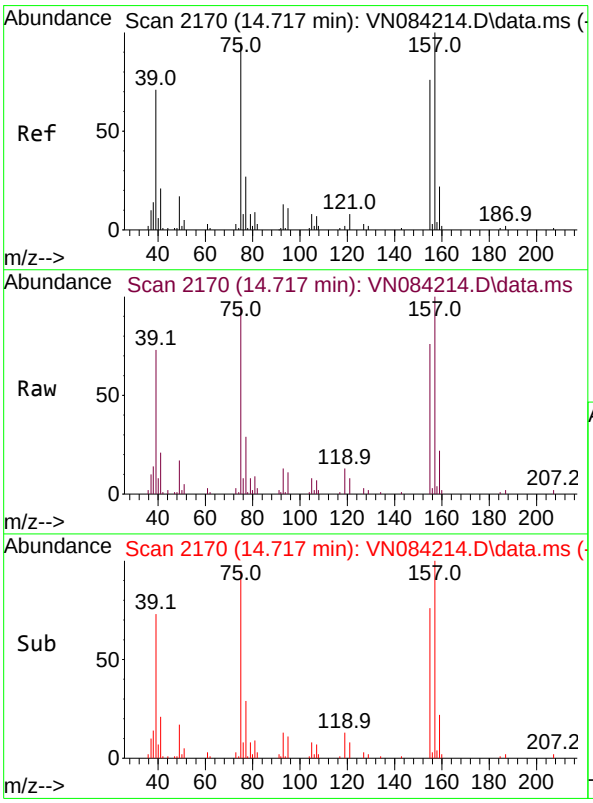
#91
1,2-Dichlorobenzene
Concen: 50.506 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

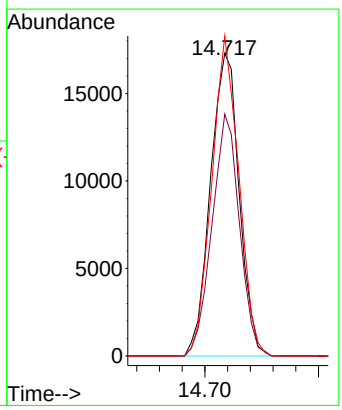


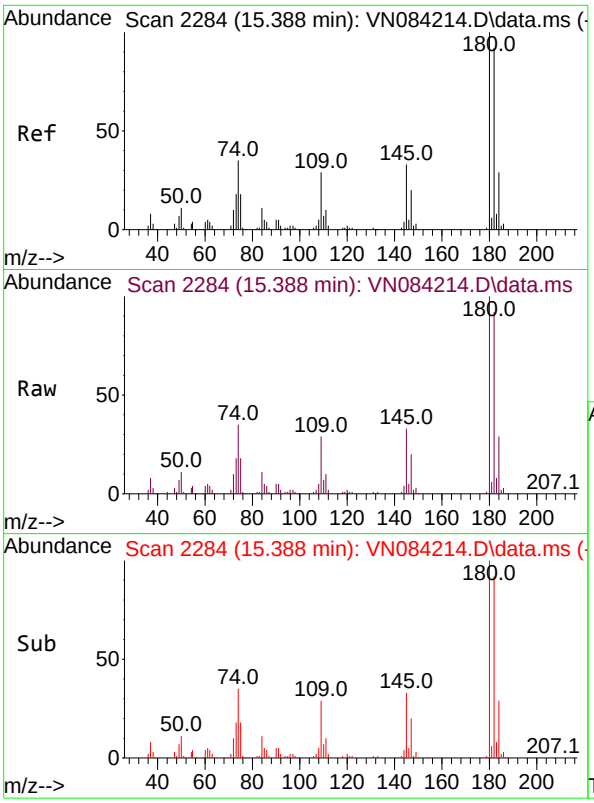


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



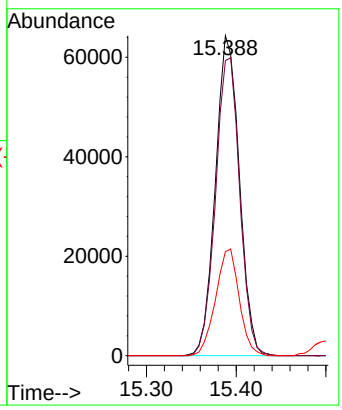


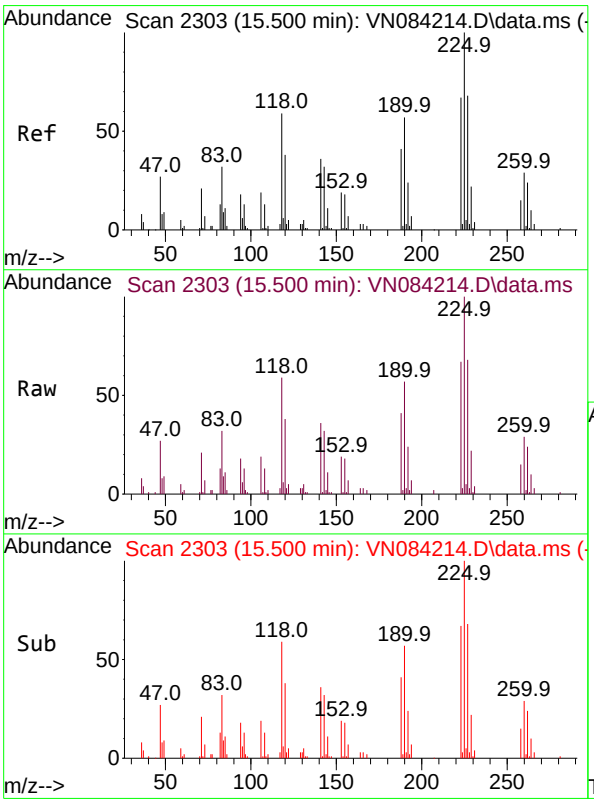
#93
1,2,4-Trichlorobenzene
Concen: 55.953 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

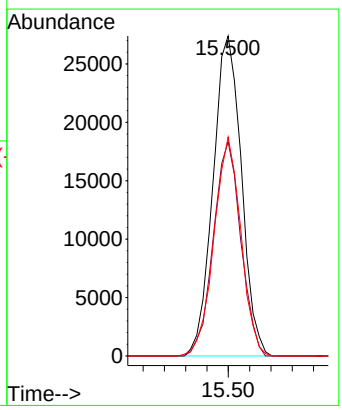


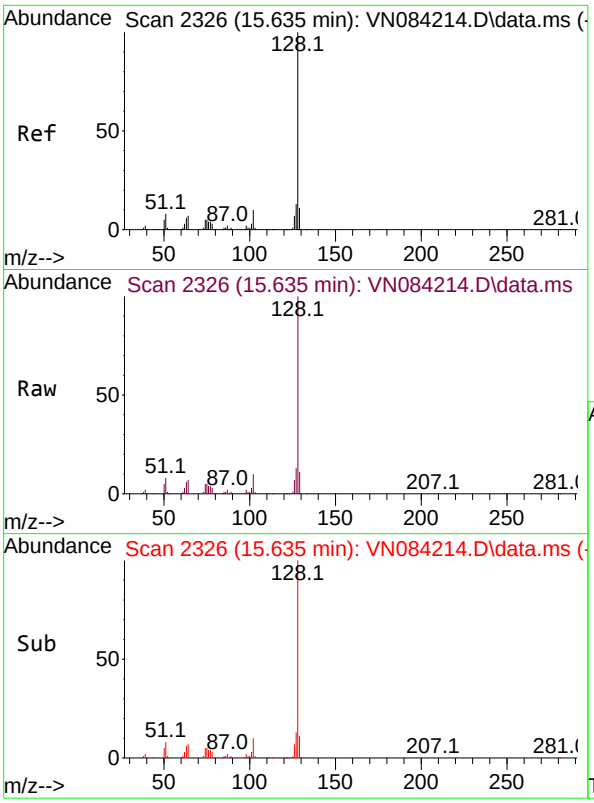


#94
Hexachlorobutadiene
Concen: 47.718 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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



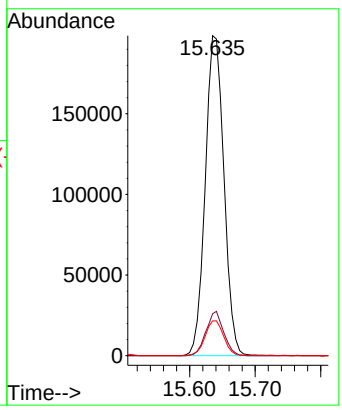


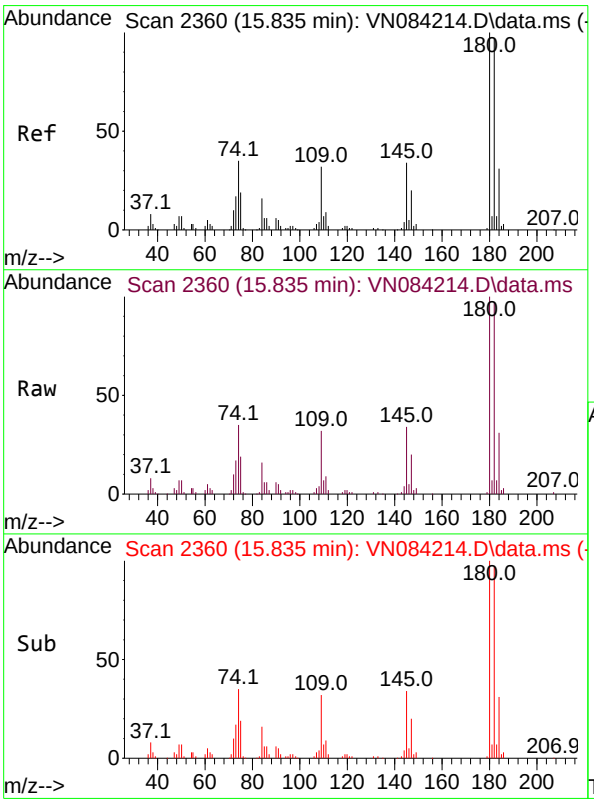
#95
Naphthalene
Concen: 55.688 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

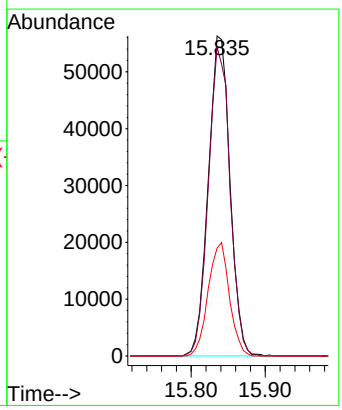




#96
1,2,3-Trichlorobenzene
Concen: 53.701 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084214.D
Acq: 30 Sep 2024 12:49

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

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

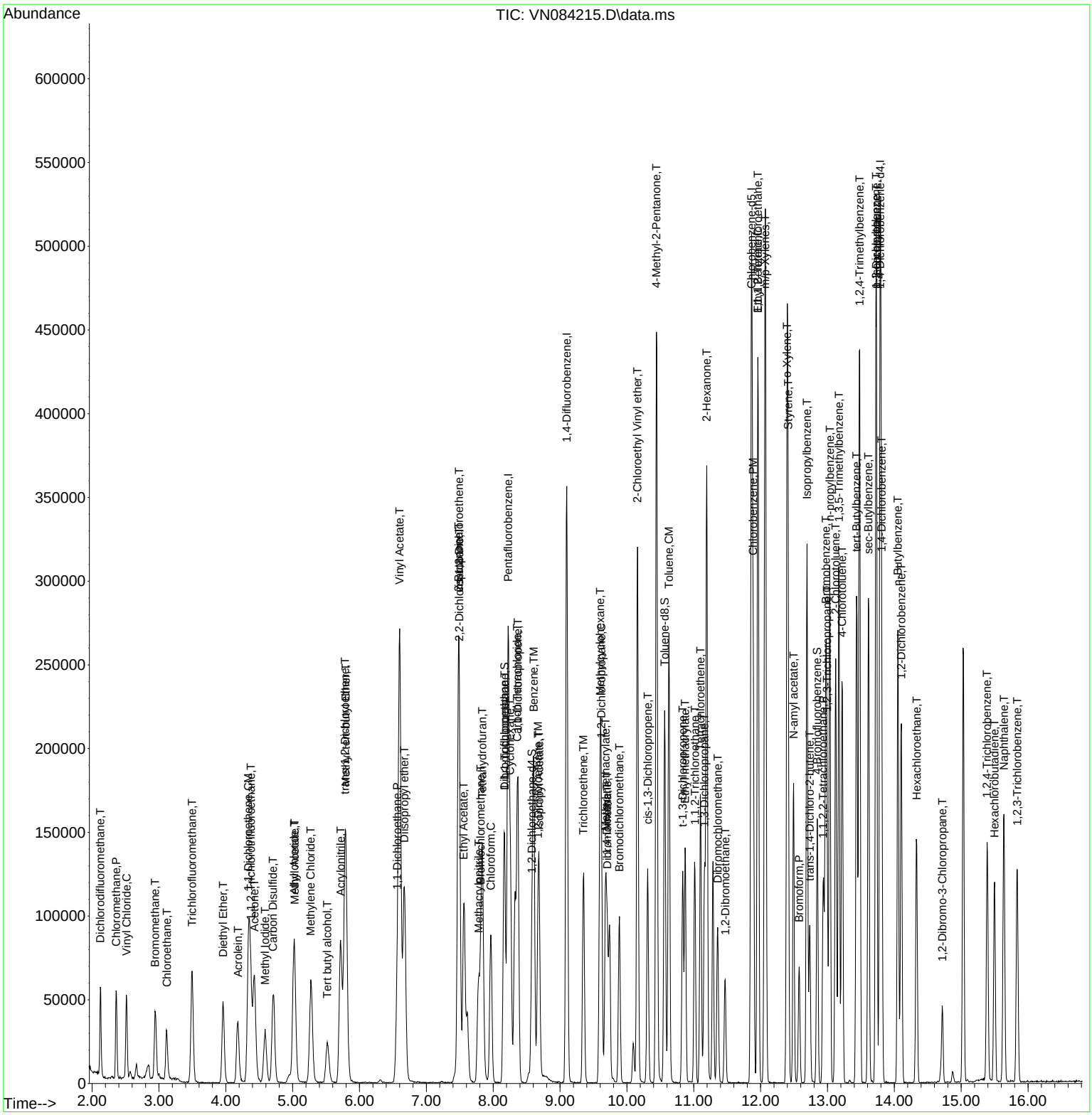
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

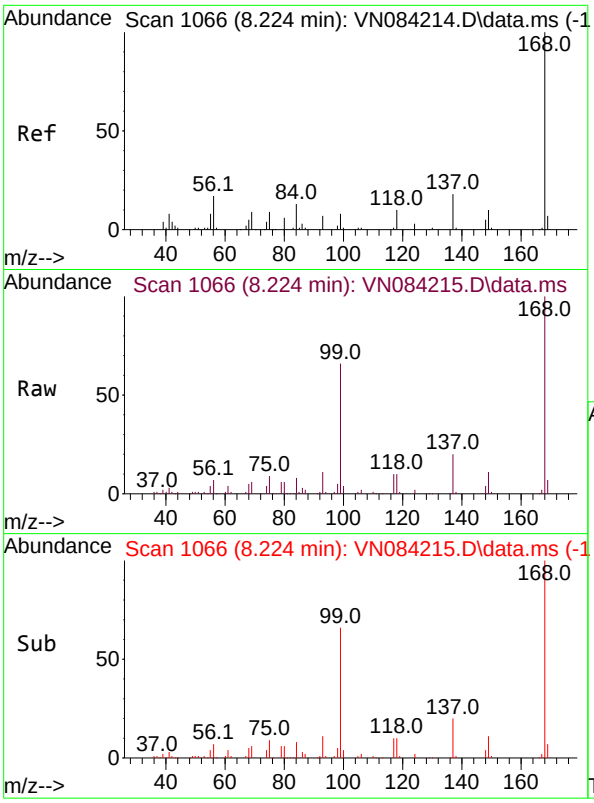
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



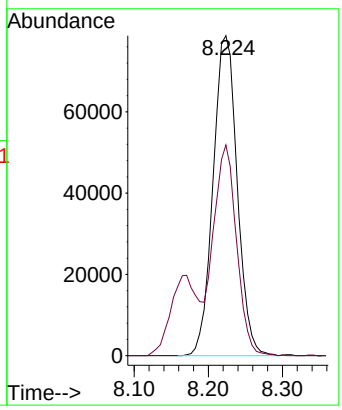


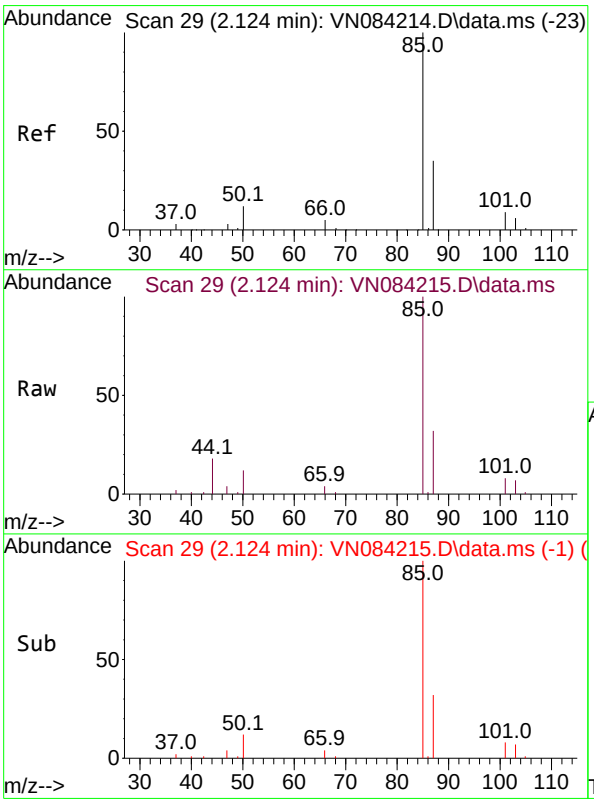
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 178087

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2

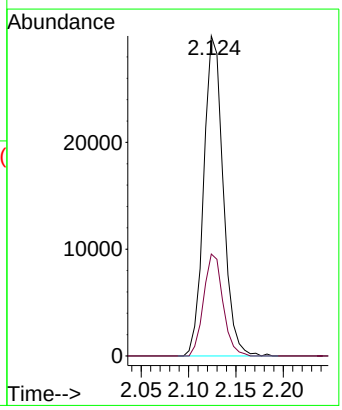


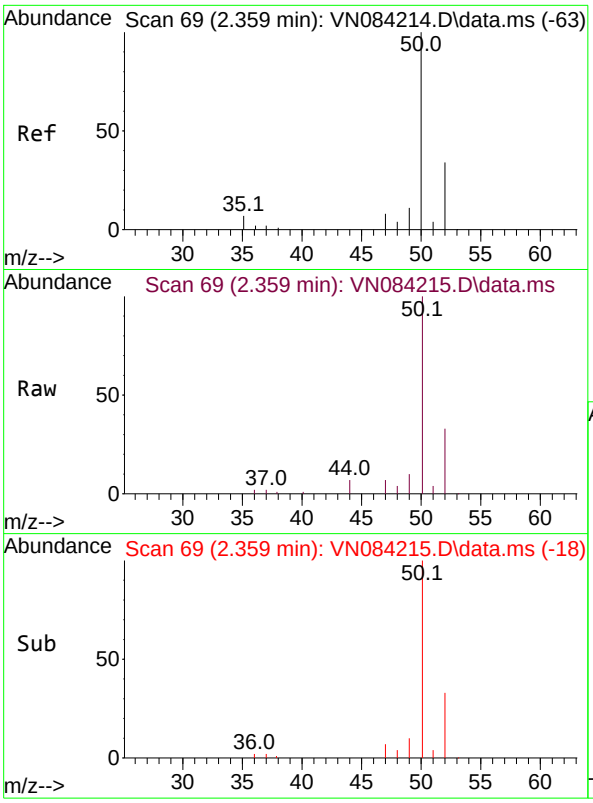


#2
Dichlorodifluoromethane
Concen: 20.275 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 85 Resp: 42709

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



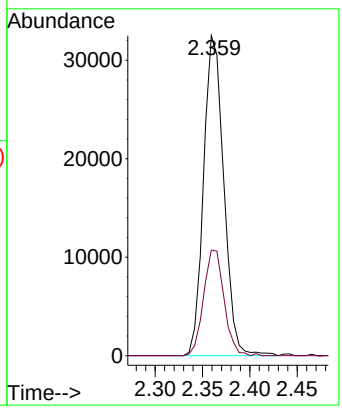


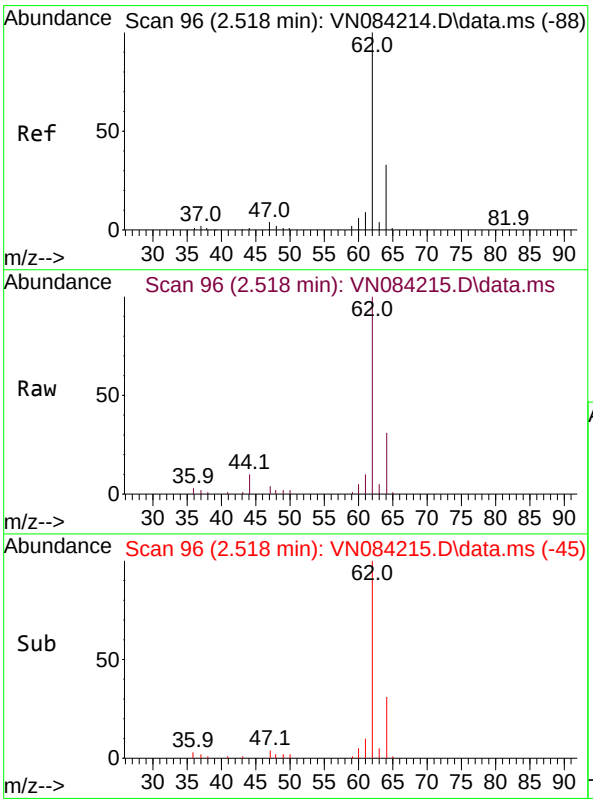
#3
Chloromethane
Concen: 20.047 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 48218

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2

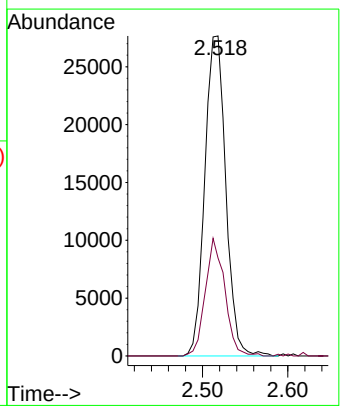


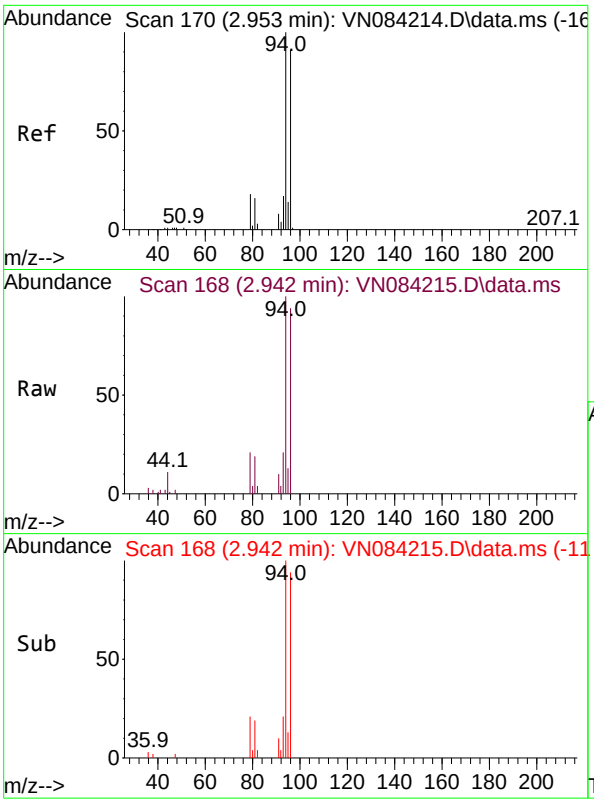


#4
Vinyl Chloride
Concen: 20.334 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 47375

Ion	Ratio	Lower	Upper
62	100		
64	30.6	26.2	39.4



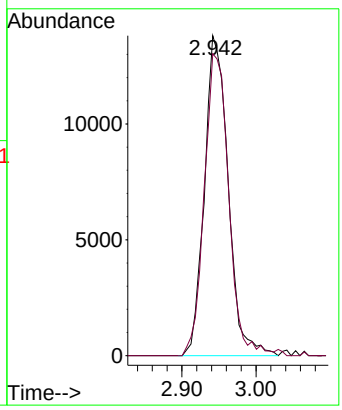


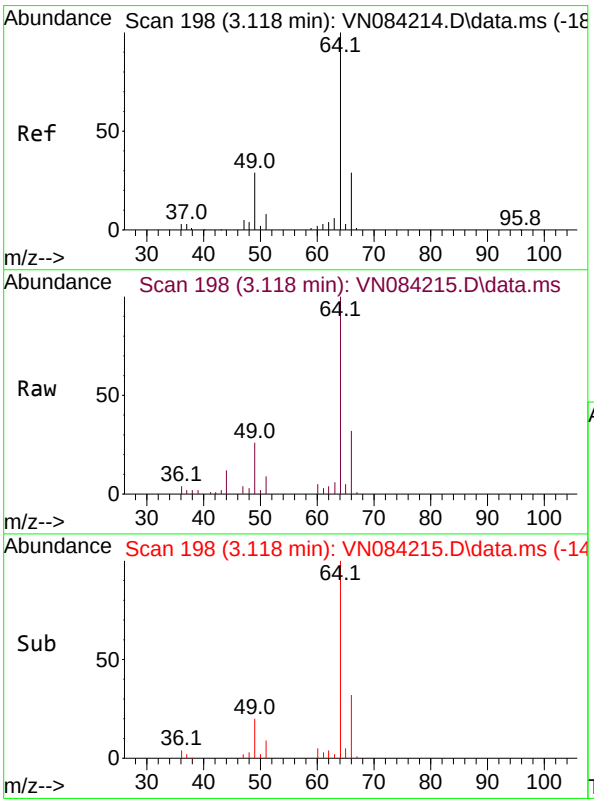
#5
Bromomethane
Concen: 20.010 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 30751

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3

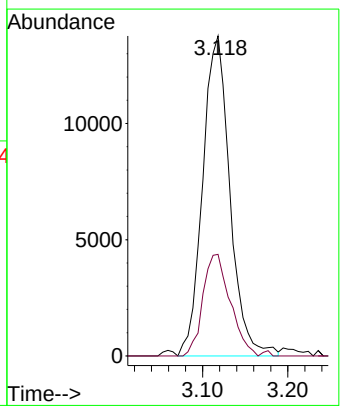


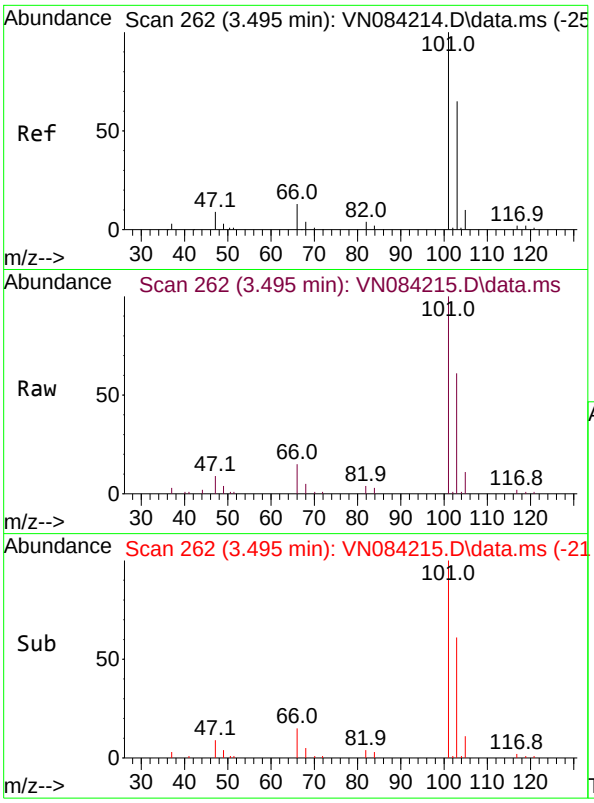


#6
Chloroethane
Concen: 18.369 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 64 Resp: 30650

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.5	35.3



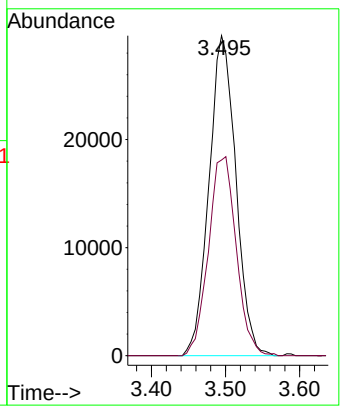


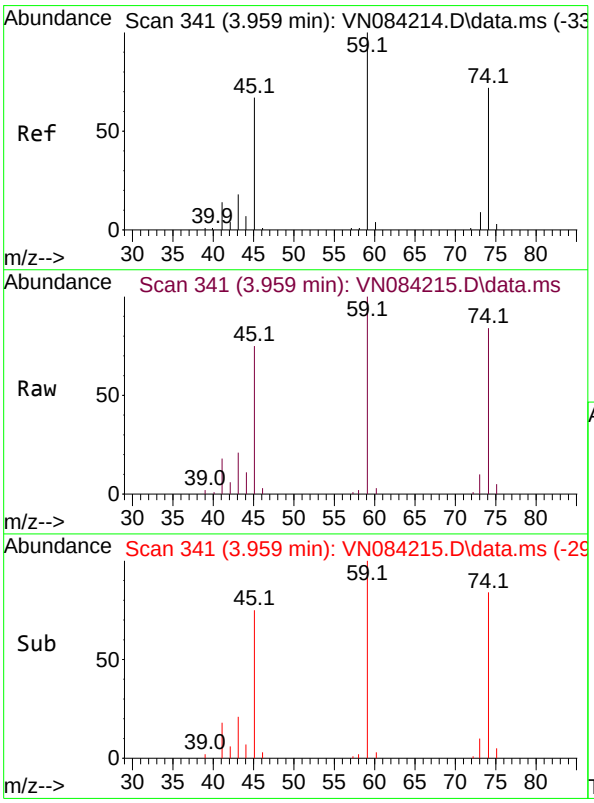
#7
Trichlorofluoromethane
Concen: 20.557 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 74579

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.8	77.6

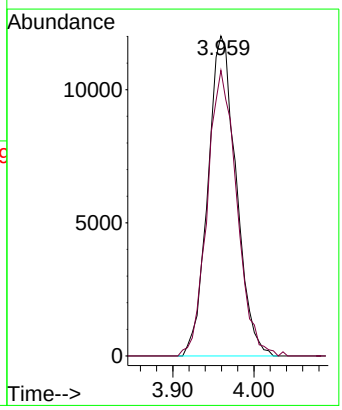


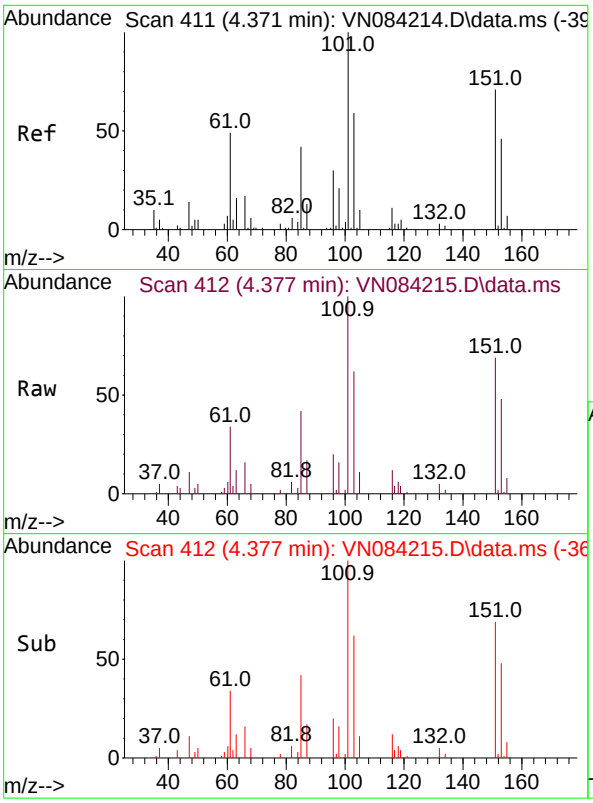


#8
Diethyl Ether
Concen: 21.619 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 74 Resp: 29090

Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.7	143.1



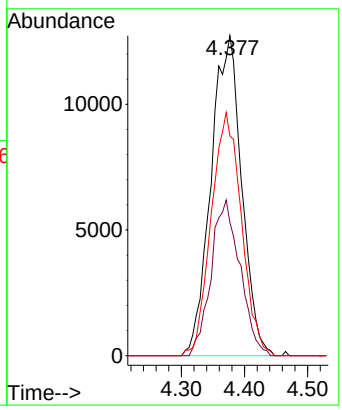


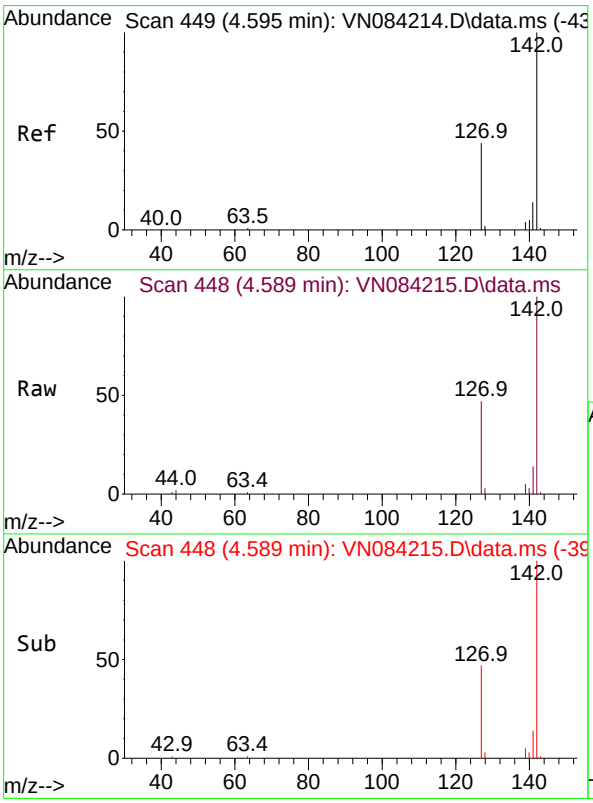
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

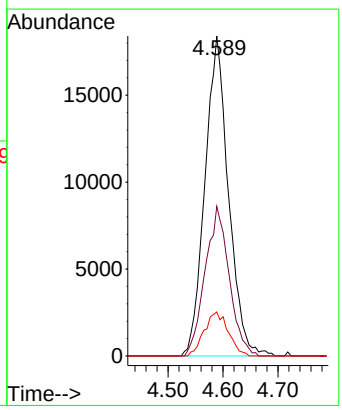


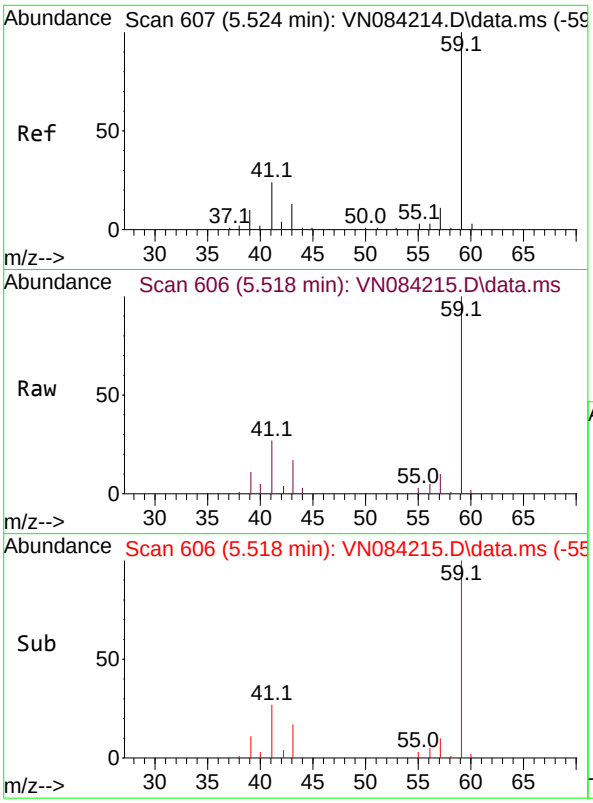


#10
Methyl Iodide
Concen: 20.458 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



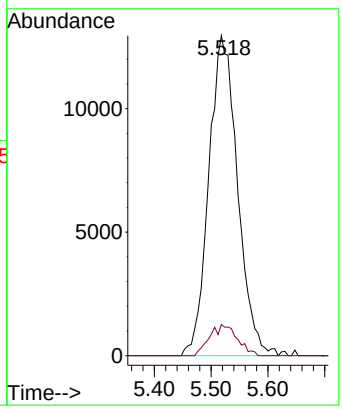


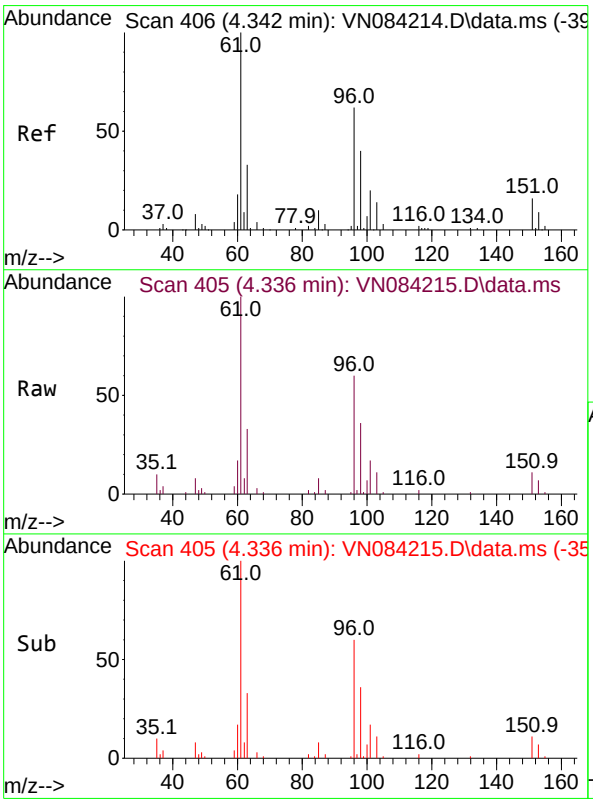
#11
Tert butyl alcohol
Concen: 104.506 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 45501

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

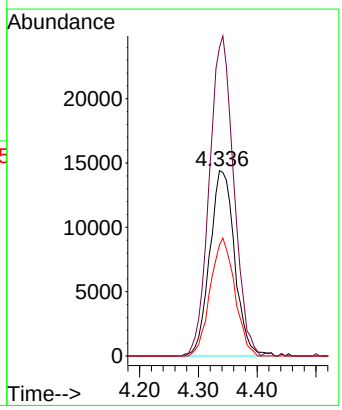


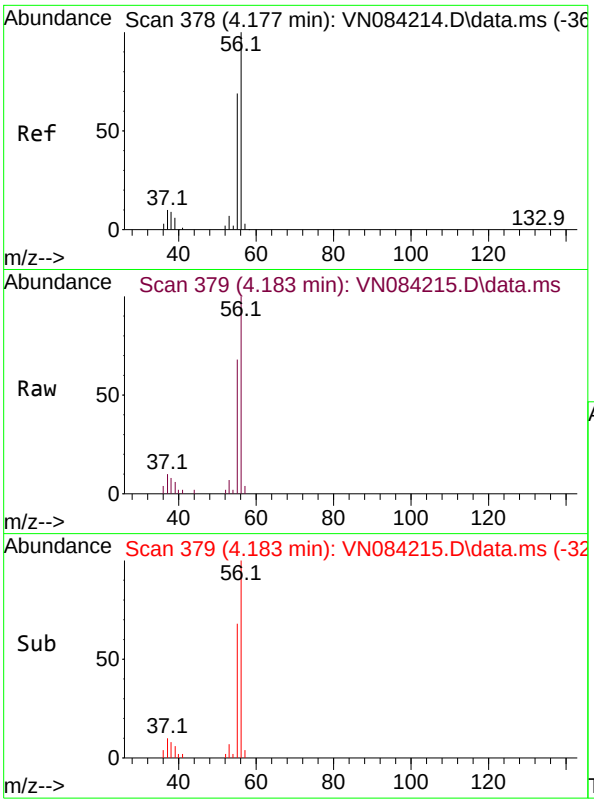


#12
1,1-Dichloroethene
Concen: 21.171 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



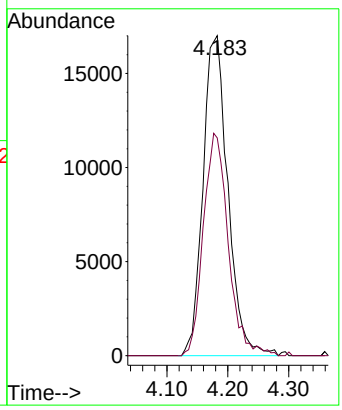


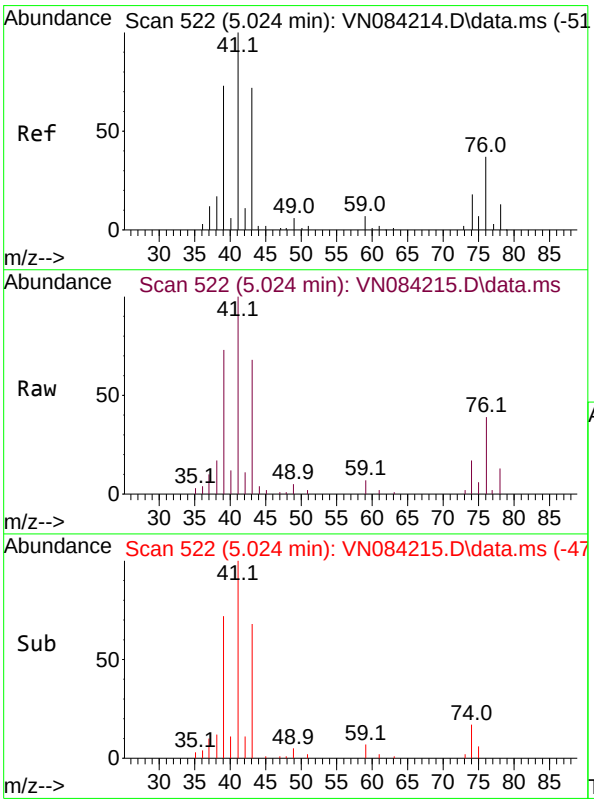
#13
Acrolein
Concen: 96.553 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 48261

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.2	85.8

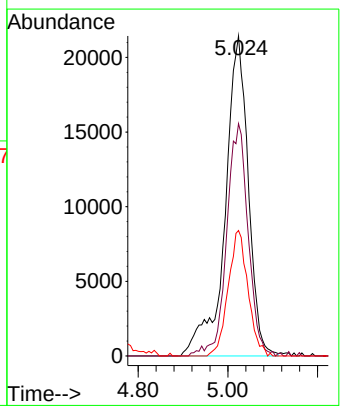


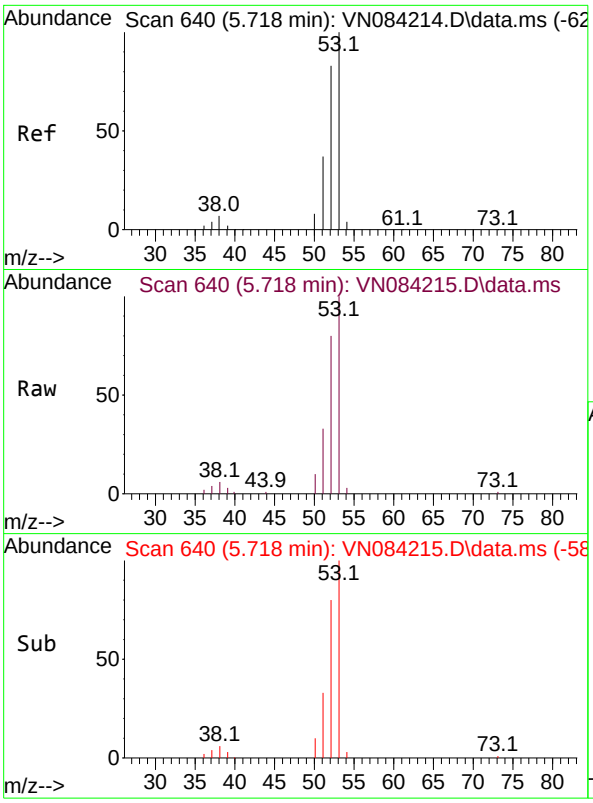


#14
Allyl chloride
Concen: 22.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



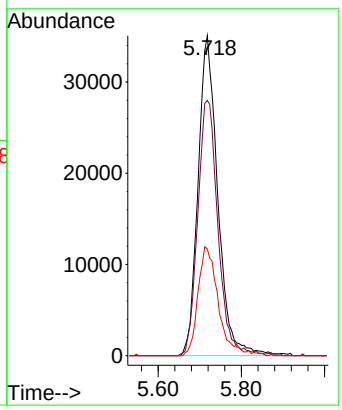


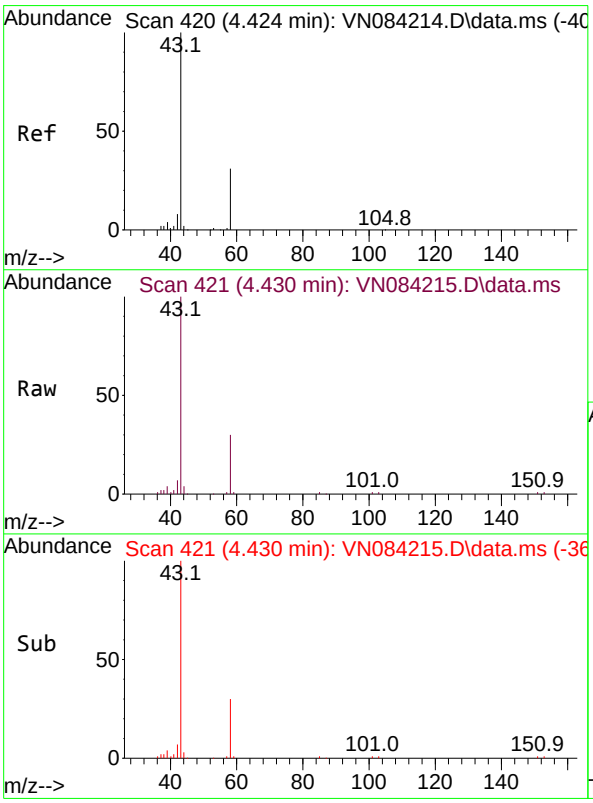
#15
Acrylonitrile
Concen: 105.004 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

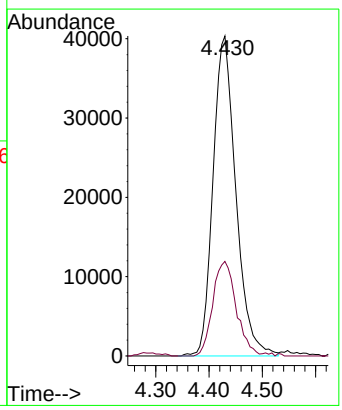


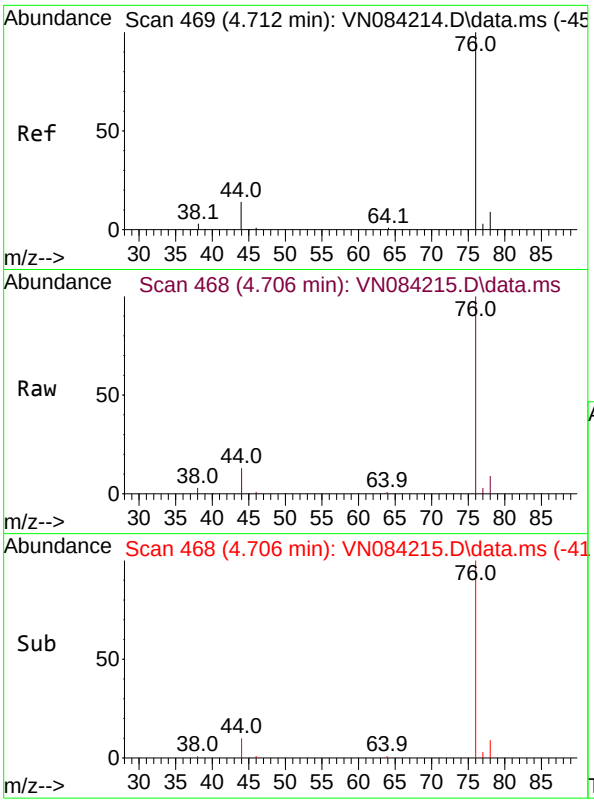


#16
Acetone
Concen: 105.747 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



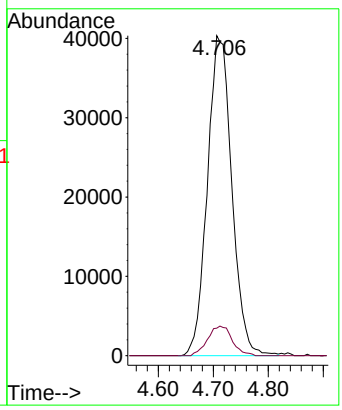


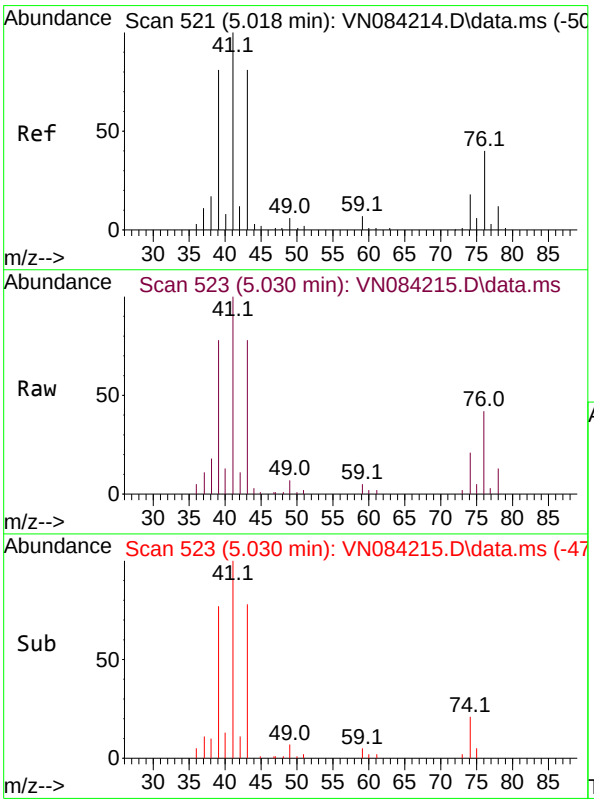
#17
Carbon Disulfide
Concen: 19.590 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 124366

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

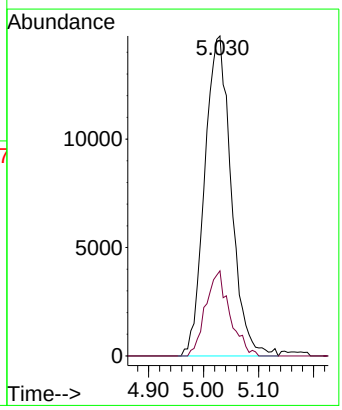


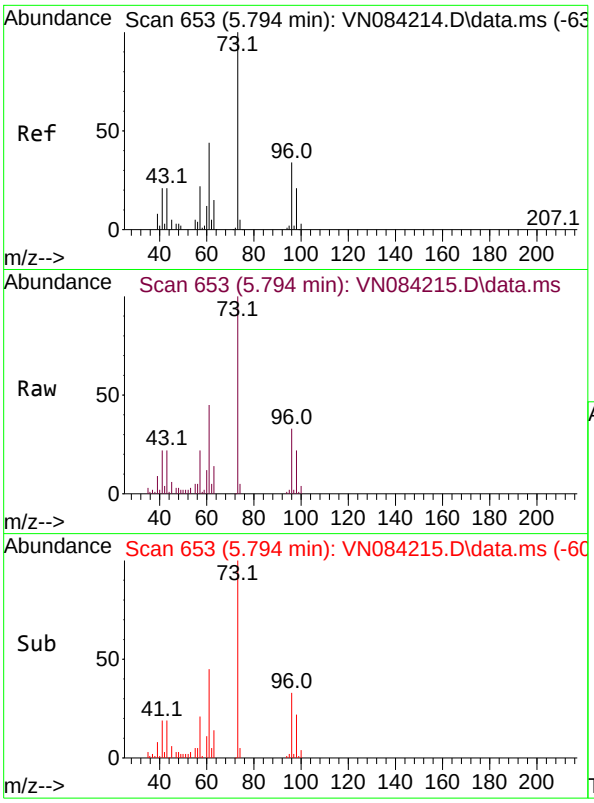


#18
Methyl Acetate
Concen: 19.996 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 43 Resp: 49436

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8



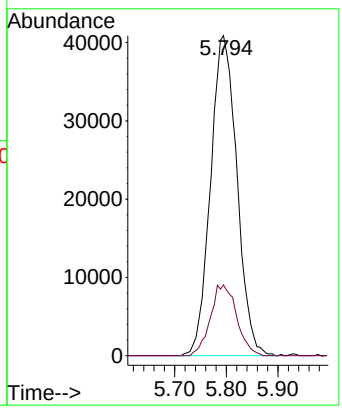


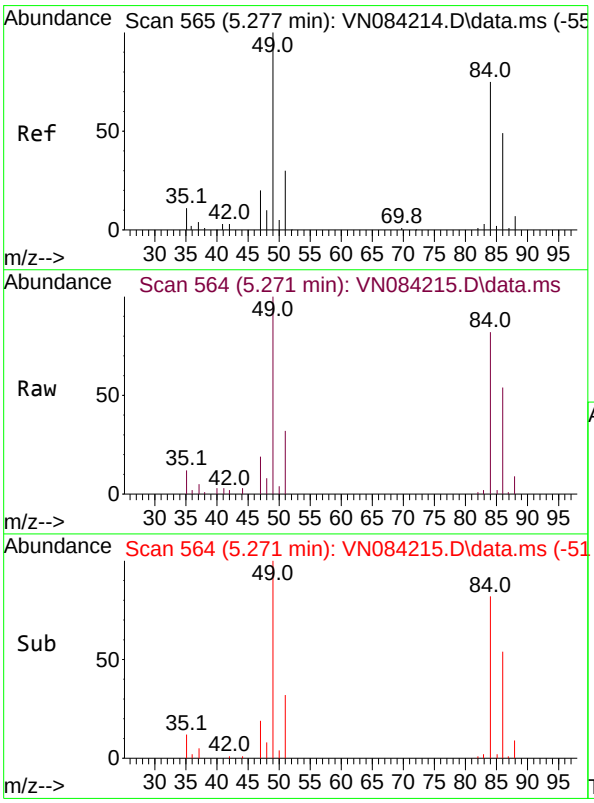
#19
Methyl tert-butyl Ether
Concen: 21.421 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 144972

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

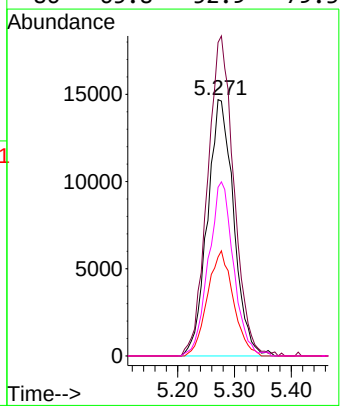


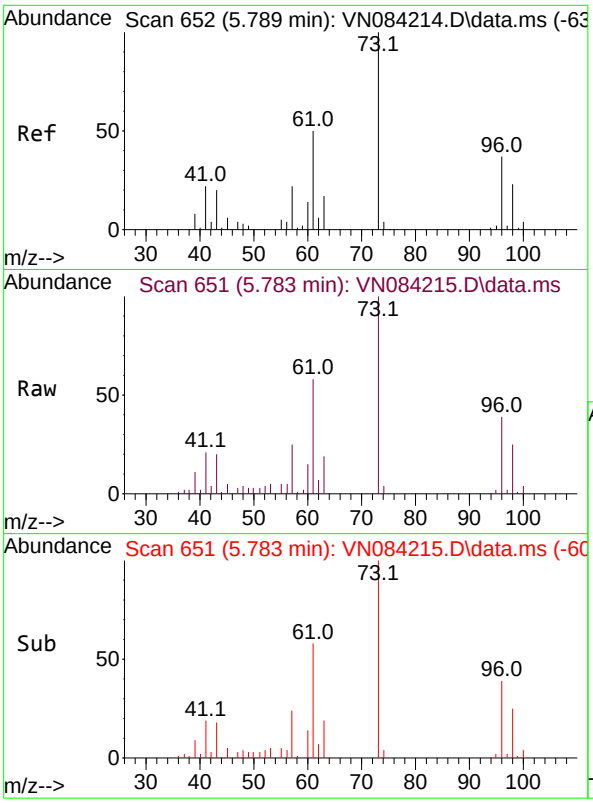


#20
Methylene Chloride
Concen: 20.423 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



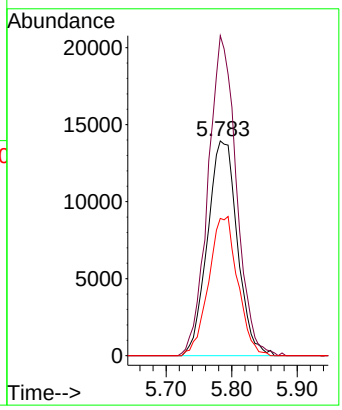


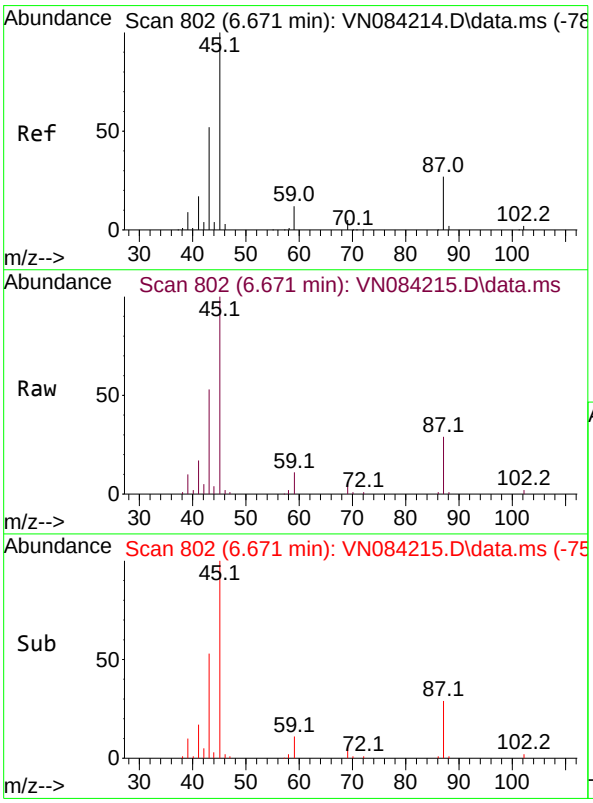
#21
trans-1,2-Dichloroethene
Concen: 20.976 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

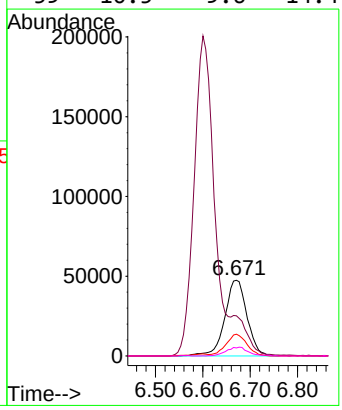


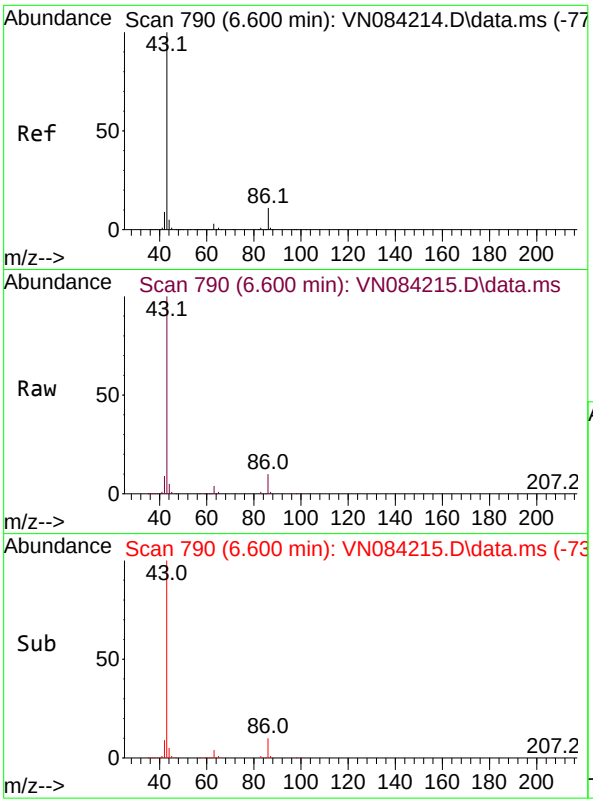


#22
Diisopropyl ether
Concen: 21.460 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



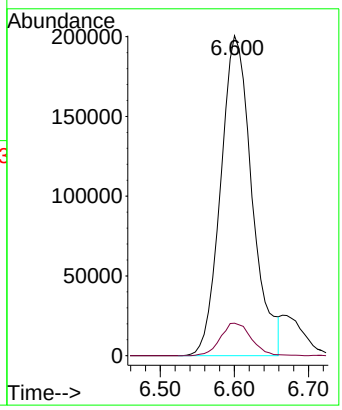


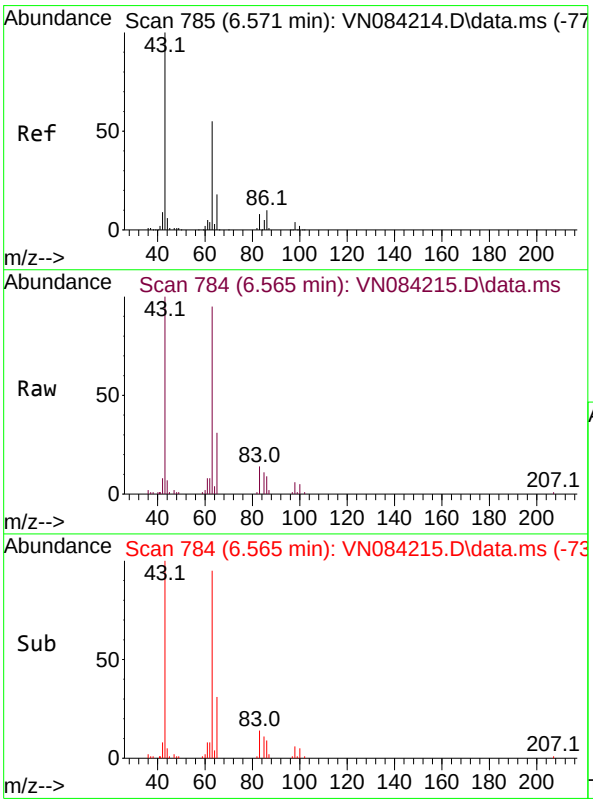
#23
Vinyl Acetate
Concen: 109.739 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 589404

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.6	12.8

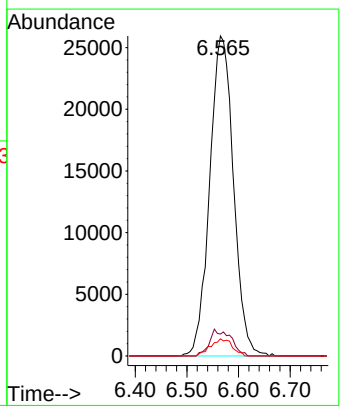


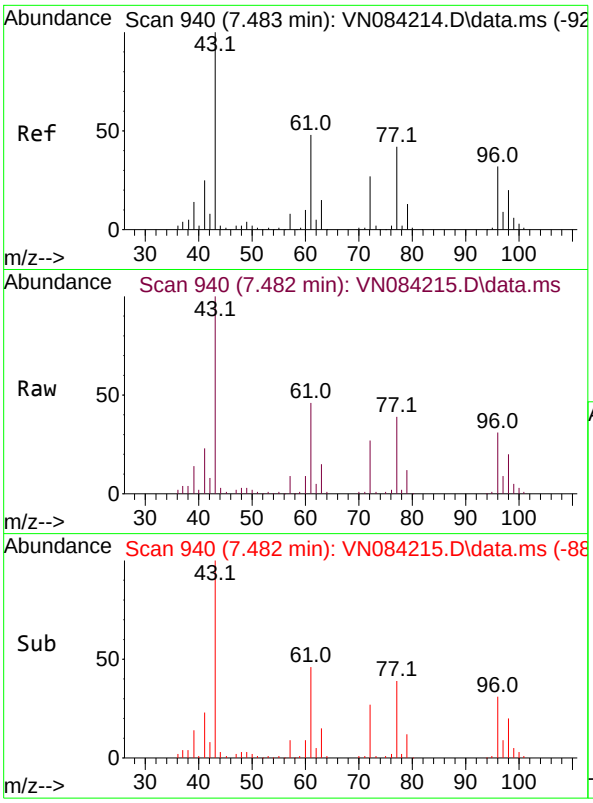


#24
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



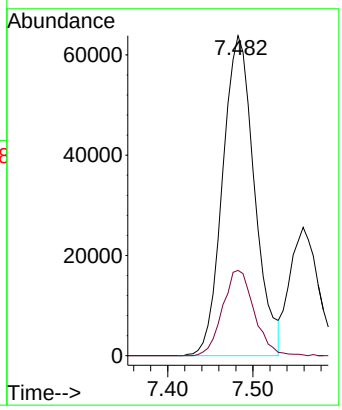


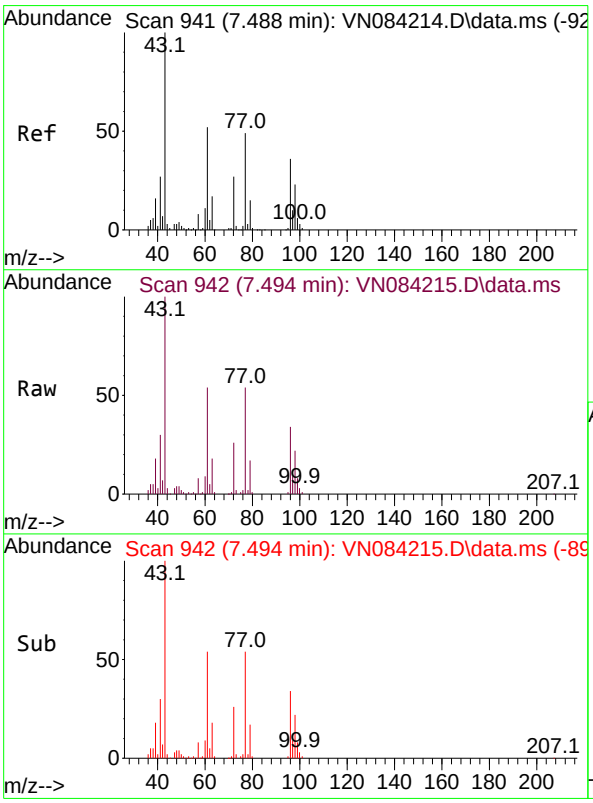
#25
2-Butanone
Concen: 107.295 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 165762

Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2

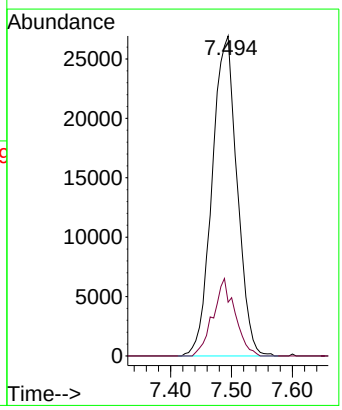


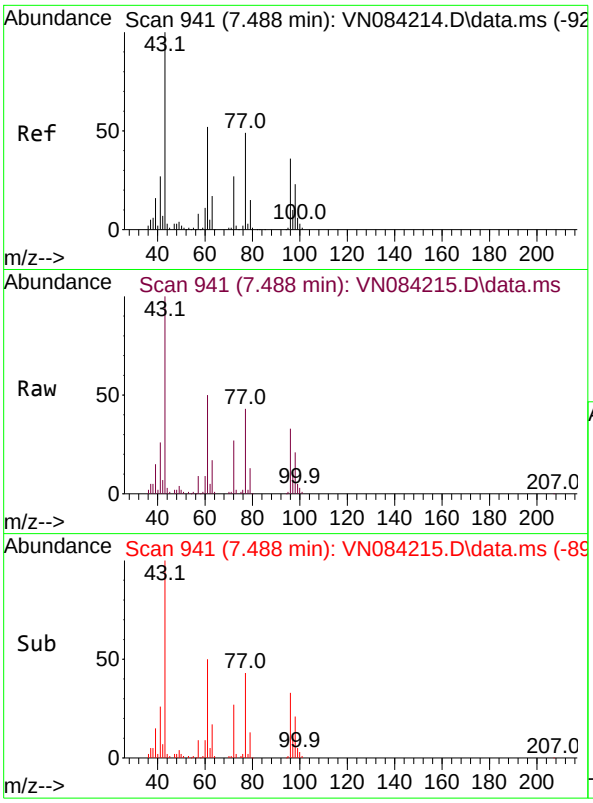


#26
2,2-Dichloropropane
Concen: 21.152 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 77 Resp: 76824

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.8	32.3



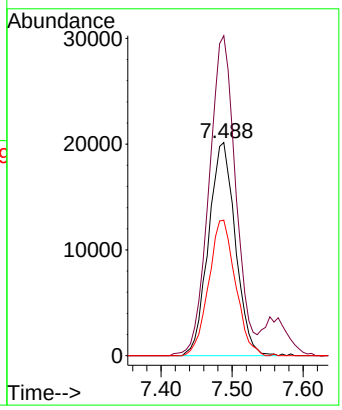


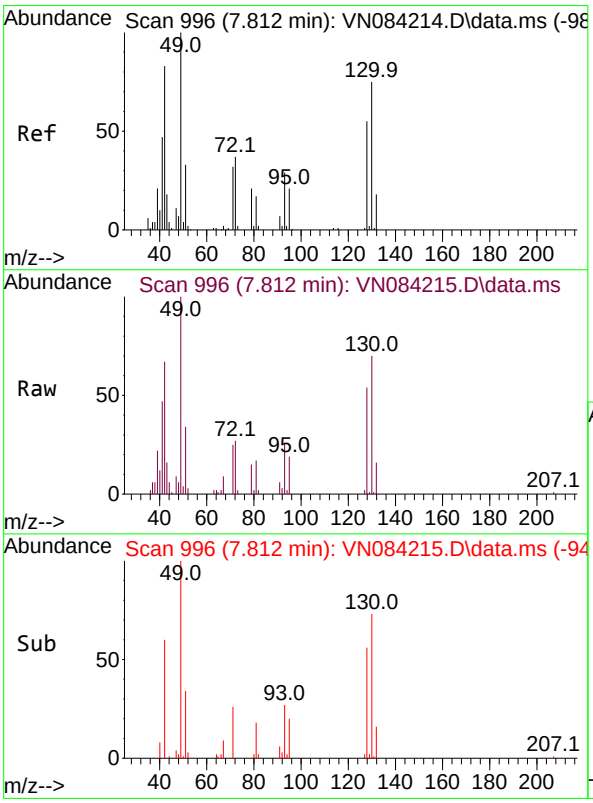
#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

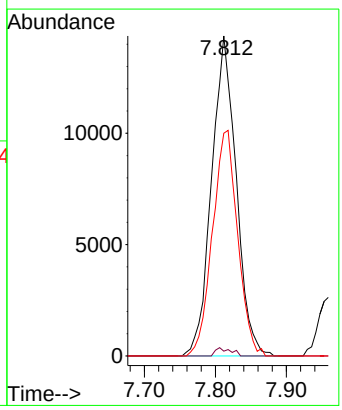


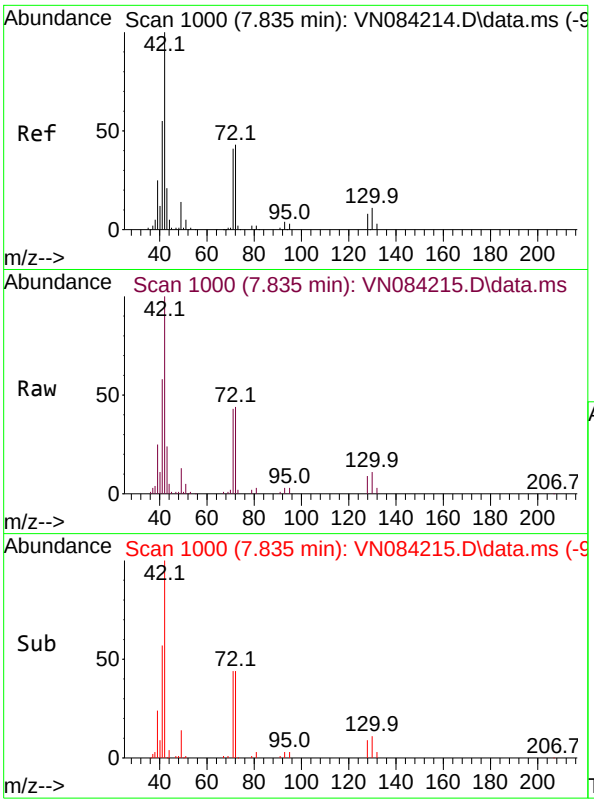


#28
Bromochloromethane
Concen: 19.246 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



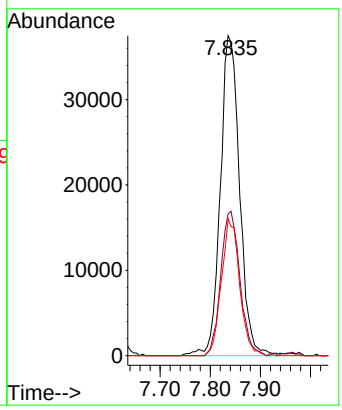


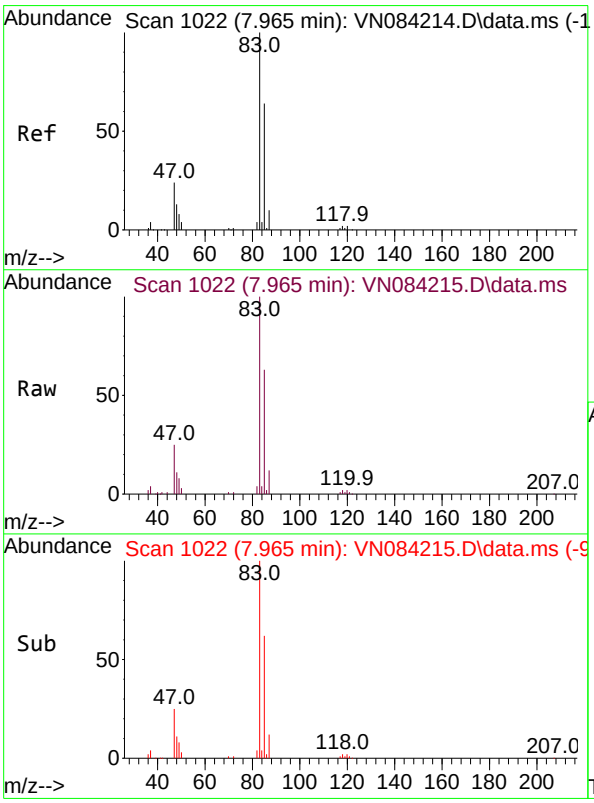
#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

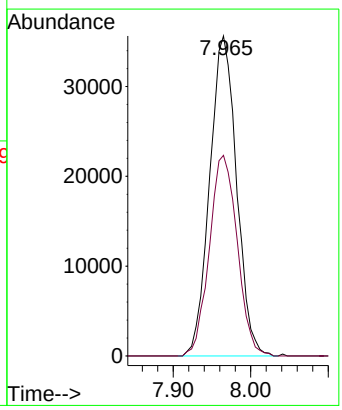


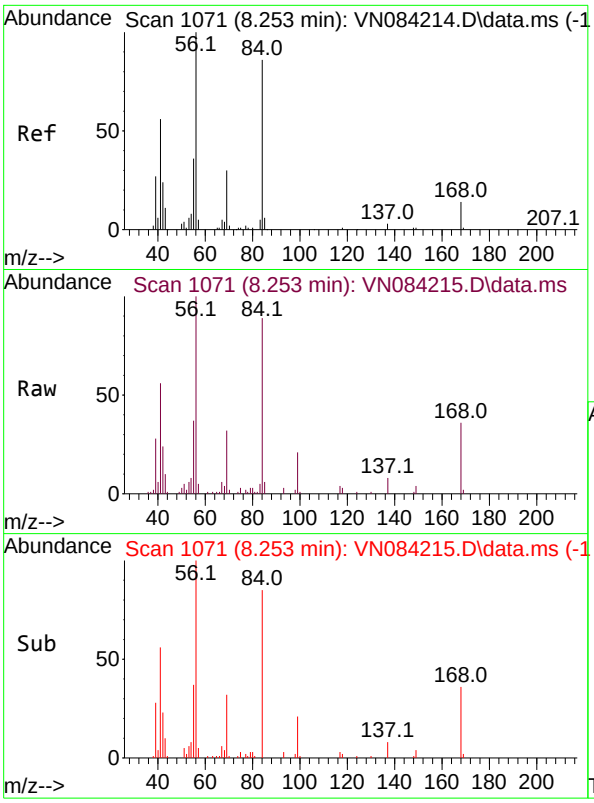


#30
Chloroform
Concen: 20.517 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 83 Resp: 85848

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4



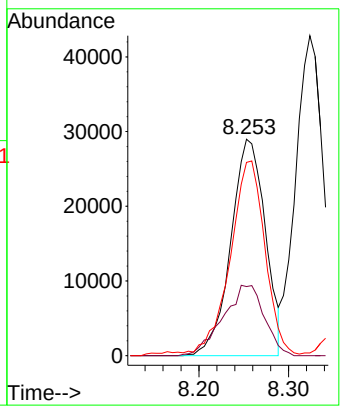


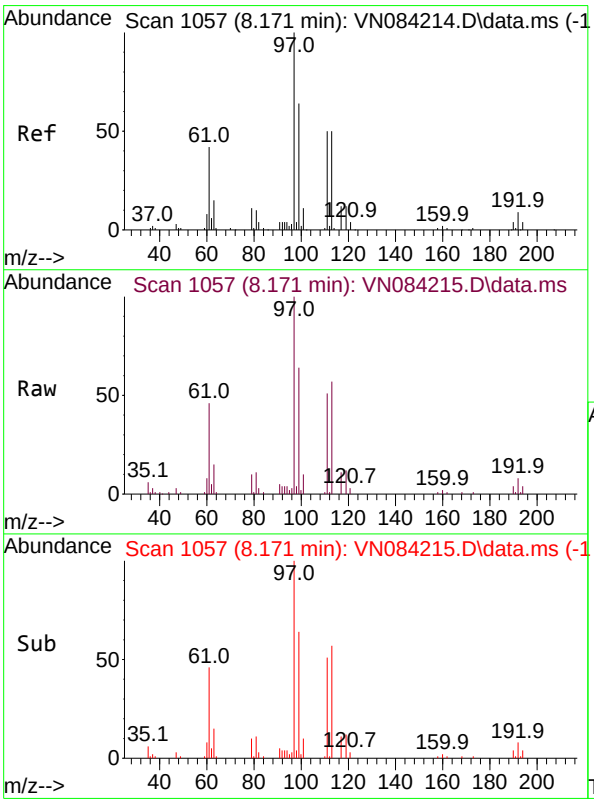
#31
Cyclohexane
Concen: 19.743 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

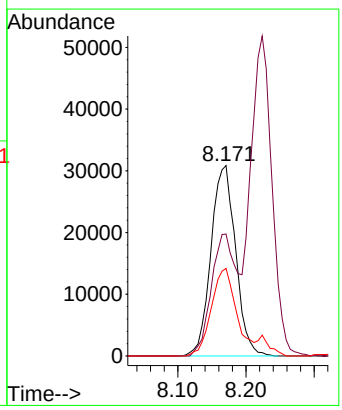


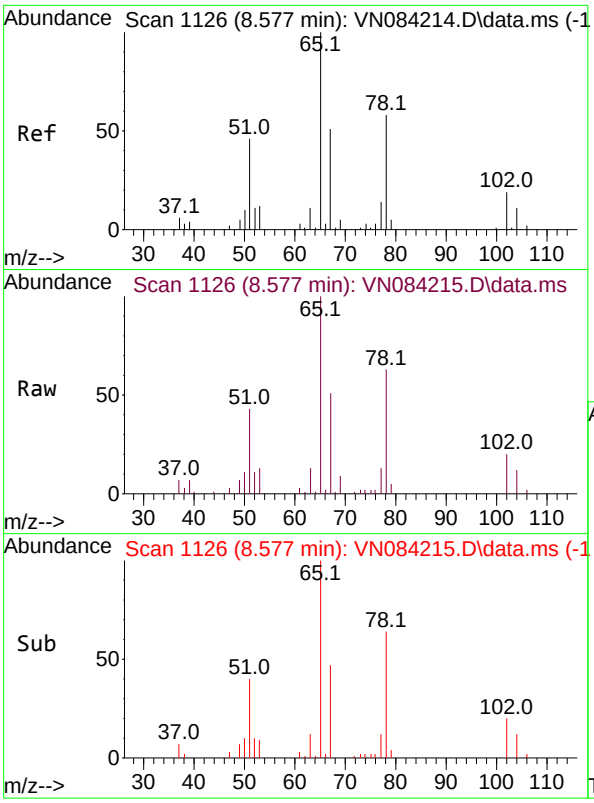


#32
1,1,1-Trichloroethane
Concen: 20.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



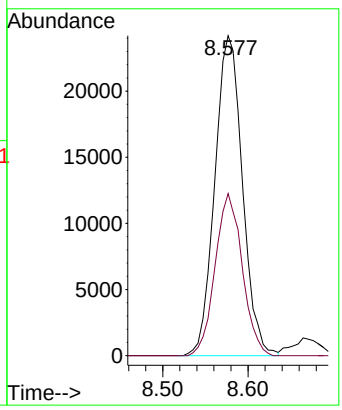


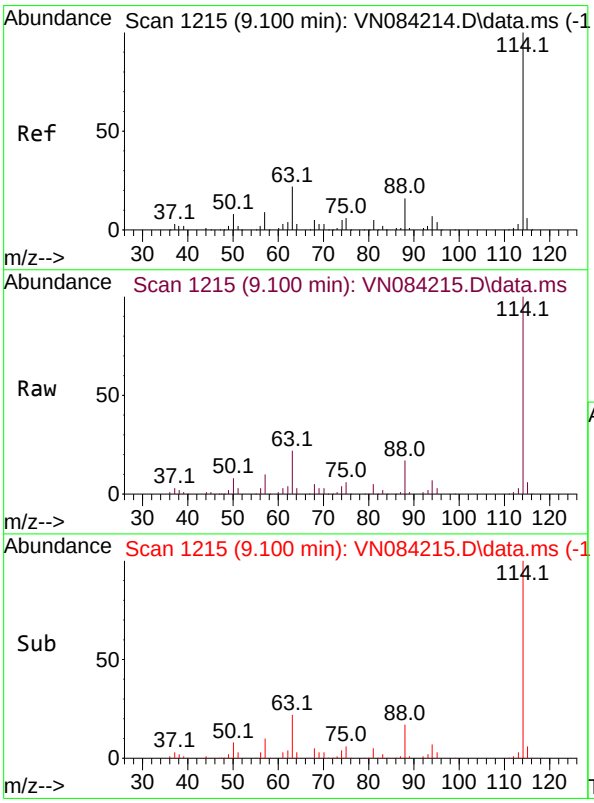
#33
1,2-Dichloroethane-d4
Concen: 20.606 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 54409

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.0

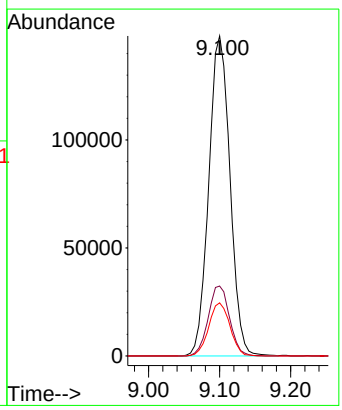


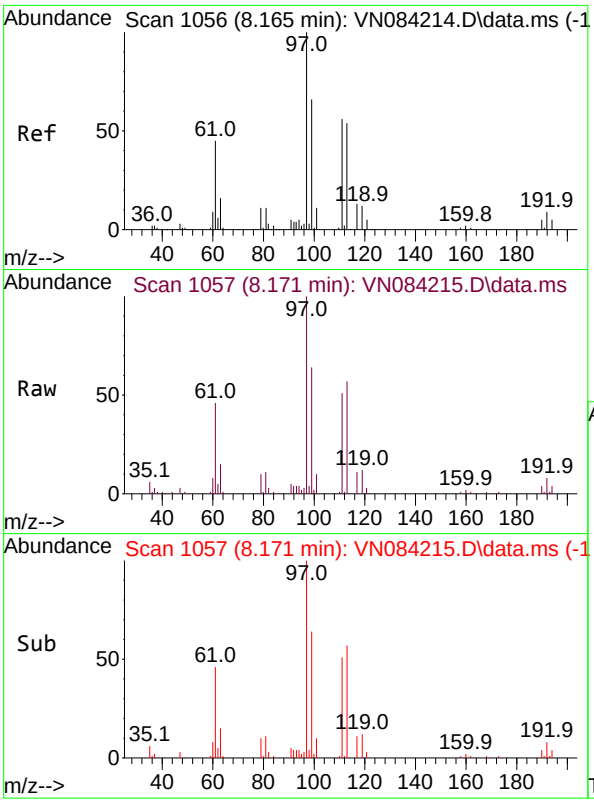


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



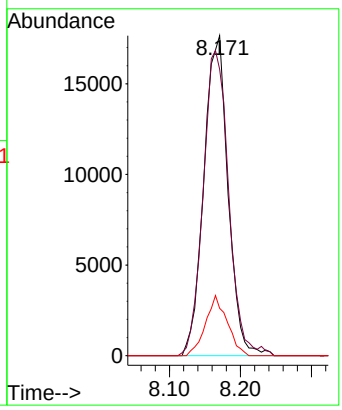


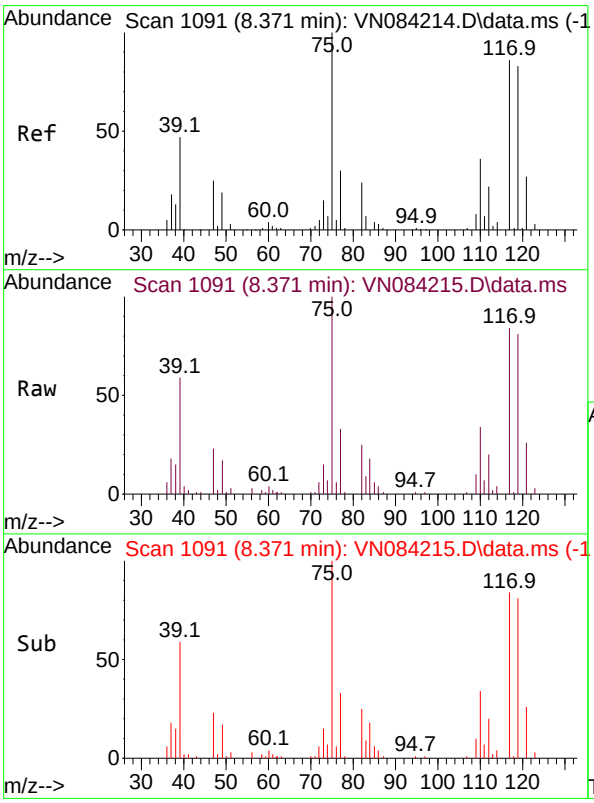
#35
Dibromofluoromethane
Concen: 20.684 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

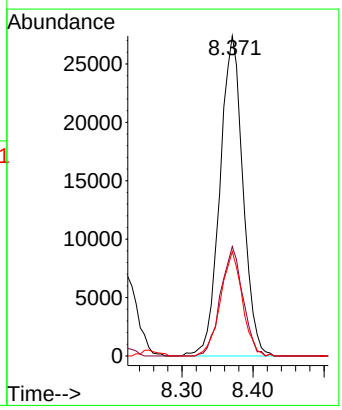


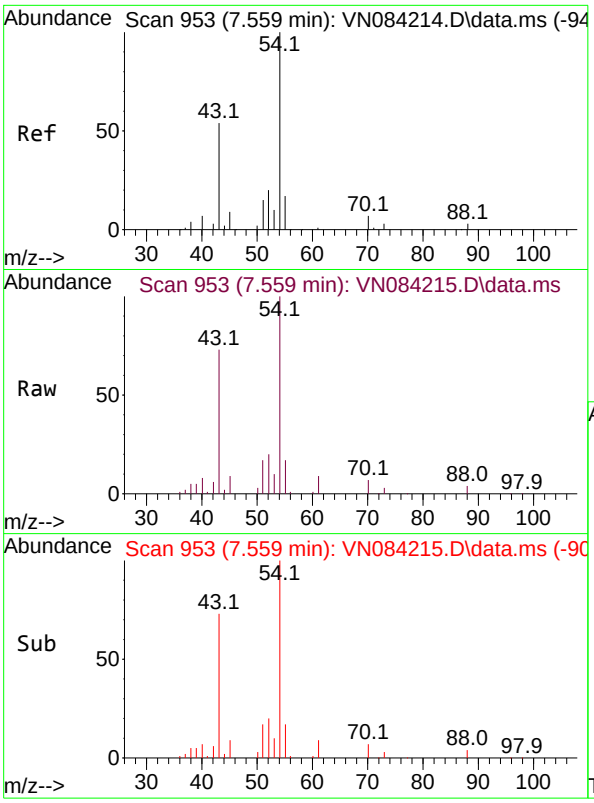


#36
1,1-Dichloropropene
Concen: 20.918 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



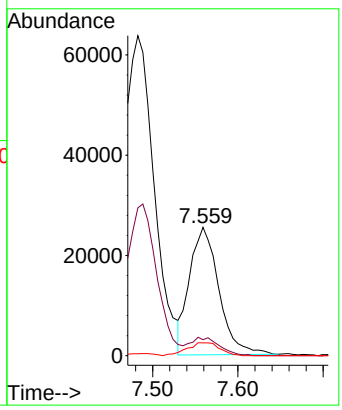


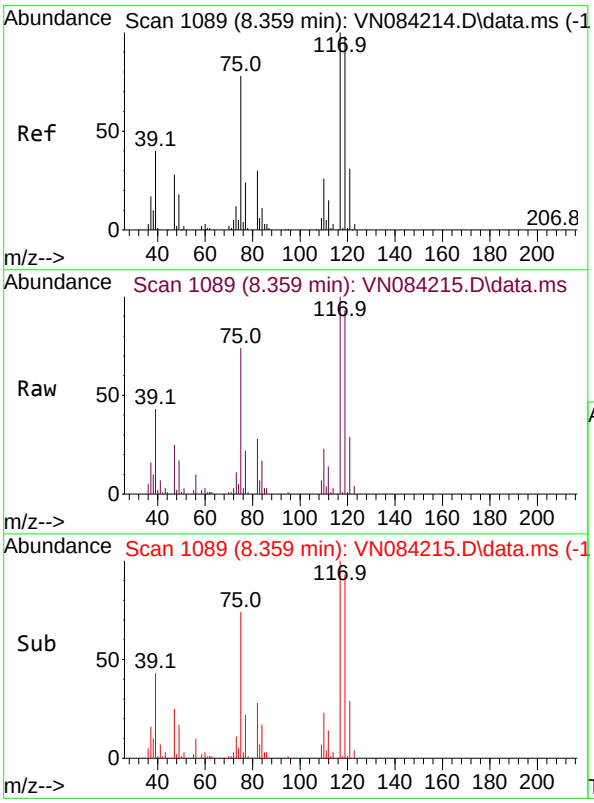
#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

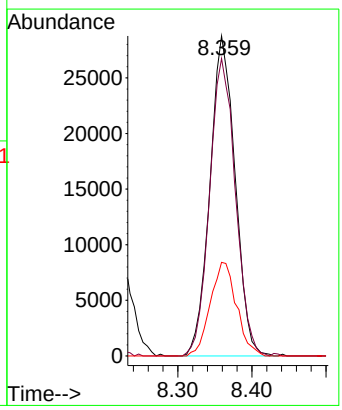


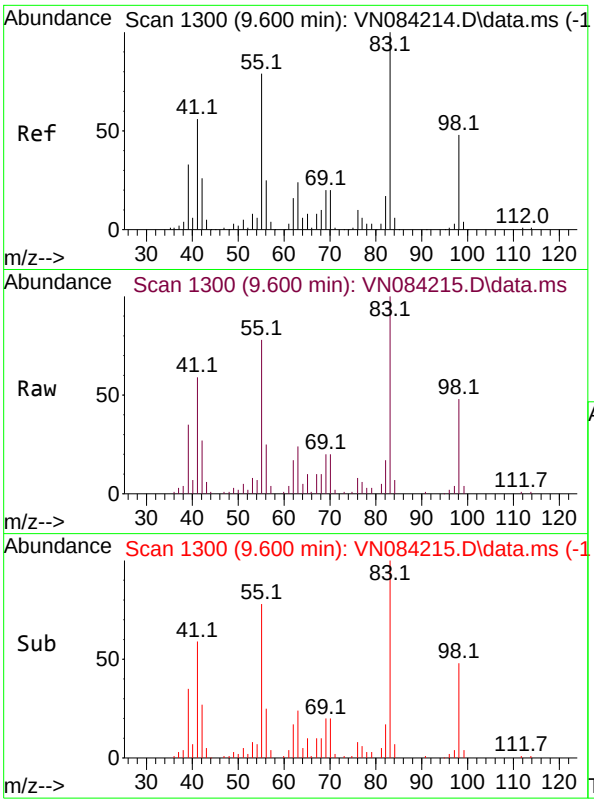


#38
Carbon Tetrachloride
Concen: 21.039 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



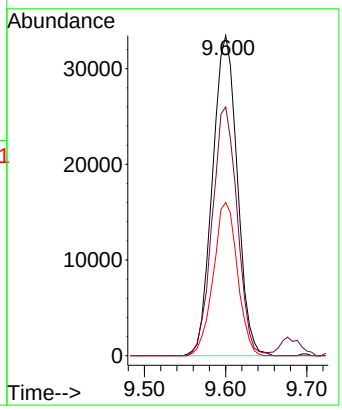


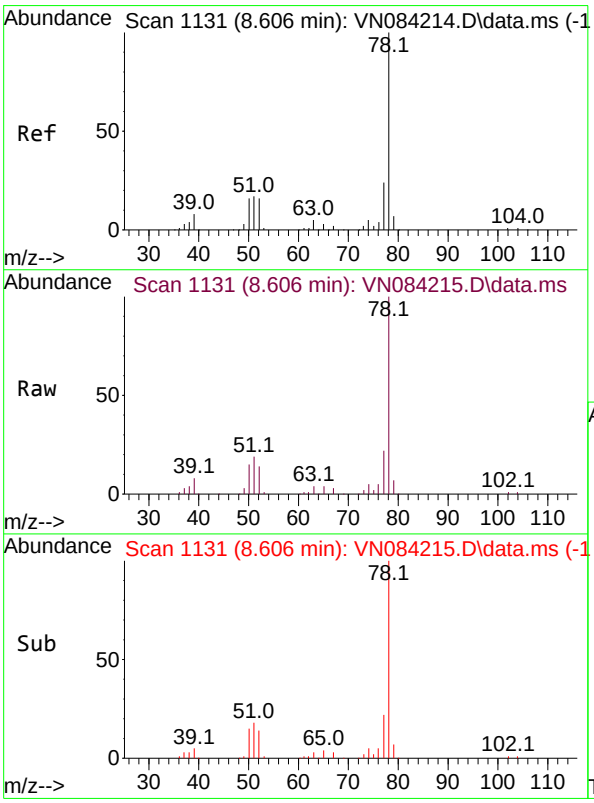
#39
Methylcyclohexane
Concen: 21.665 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

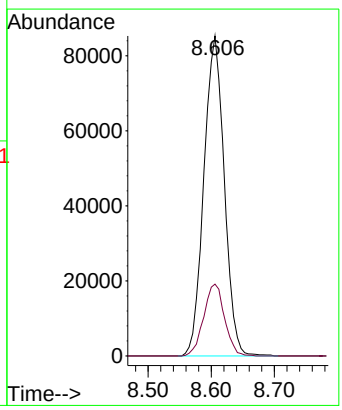


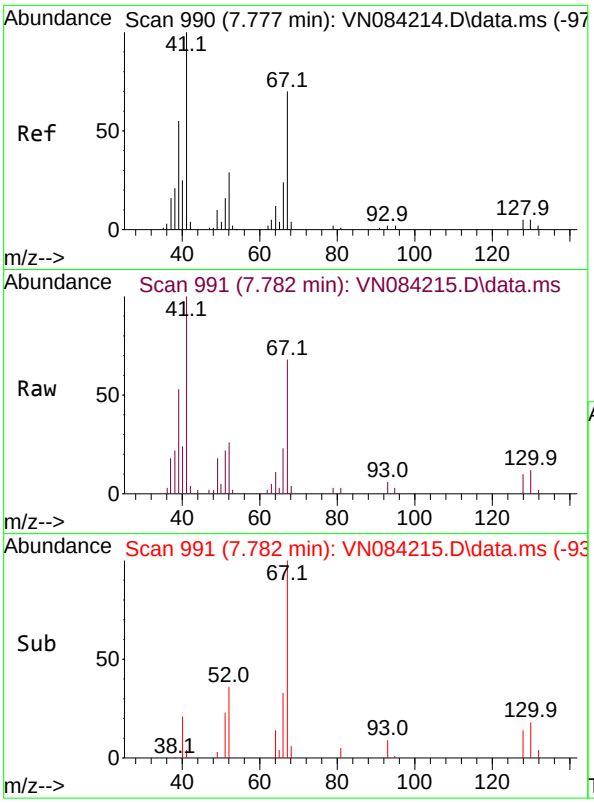


#40
Benzene
Concen: 20.896 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 78 Resp: 191581

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7



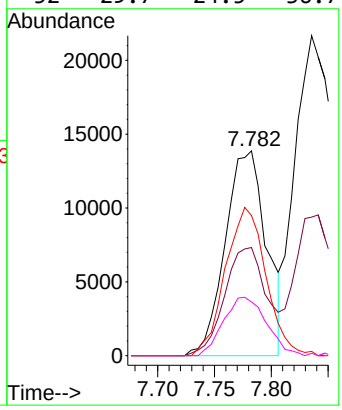


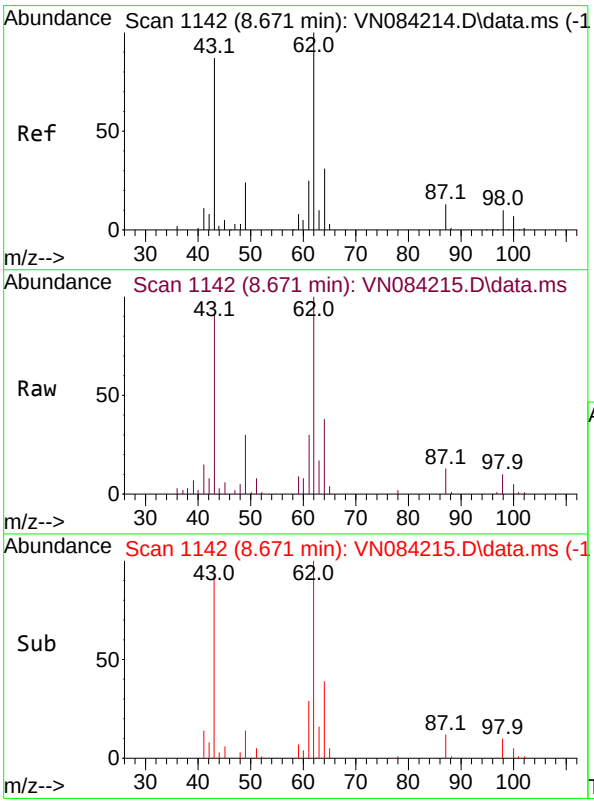
#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

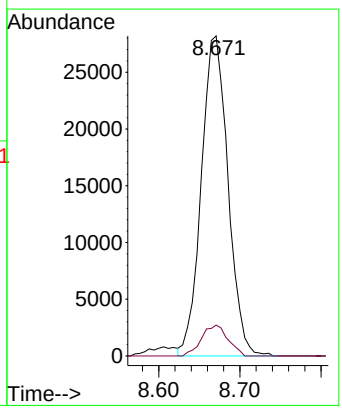


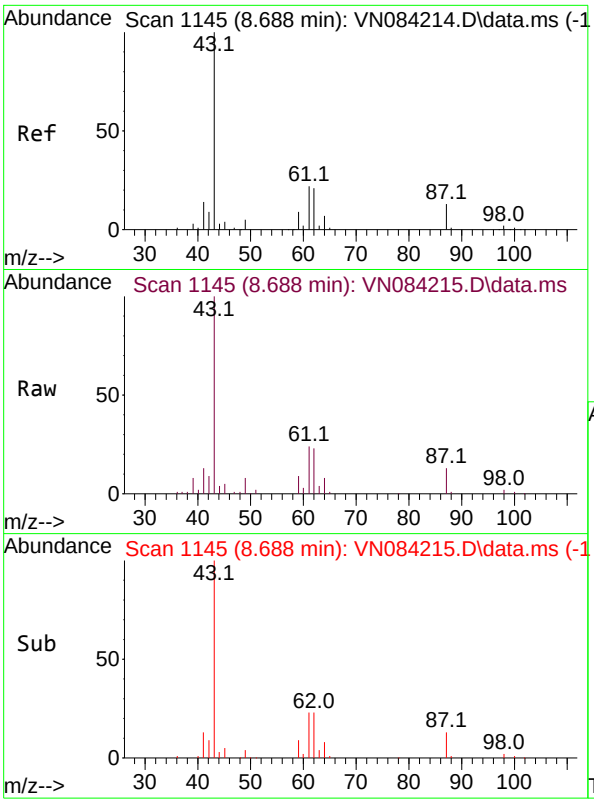


#42
1,2-Dichloroethane
Concen: 20.736 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 62 Resp: 64453

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



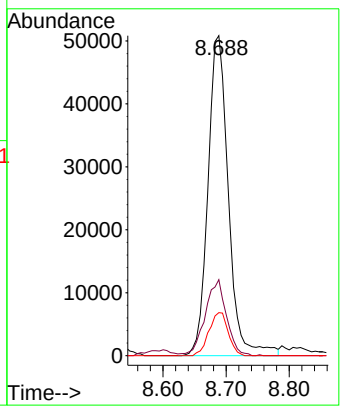


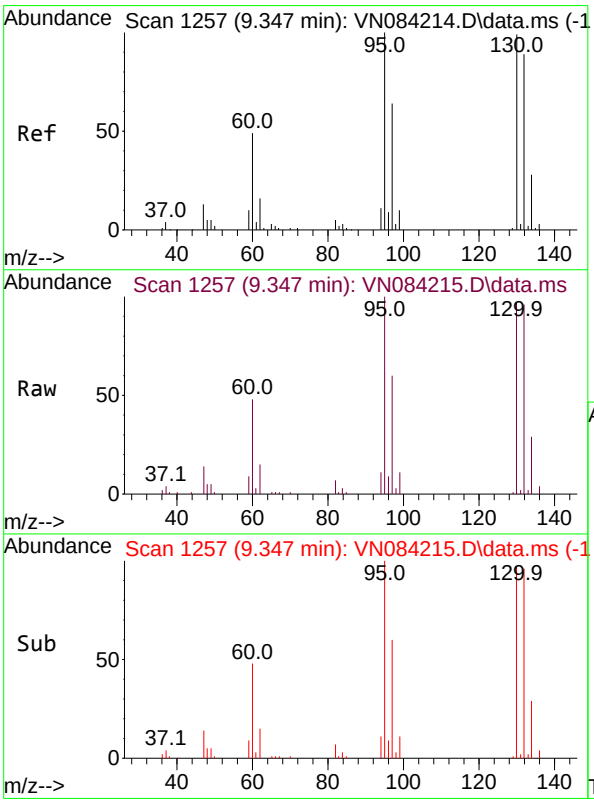
#43
Isopropyl Acetate
Concen: 19.334 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

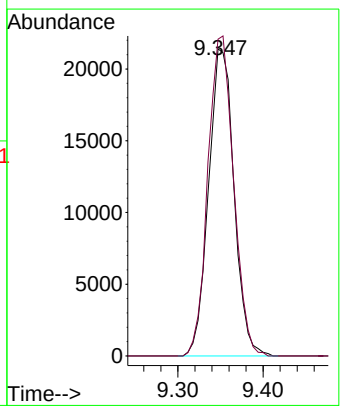


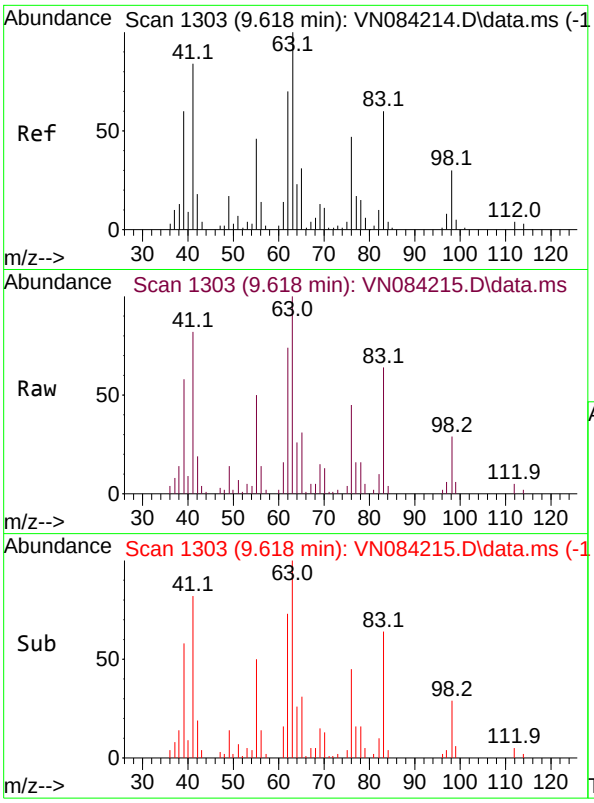


#44
Trichloroethene
Concen: 20.740 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:130 Resp: 44412

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	203.0



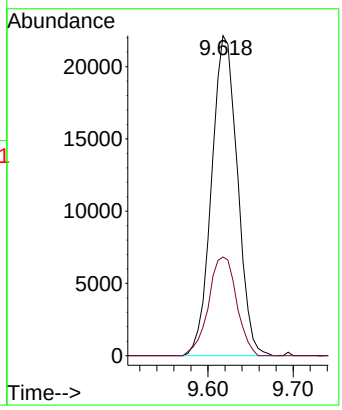


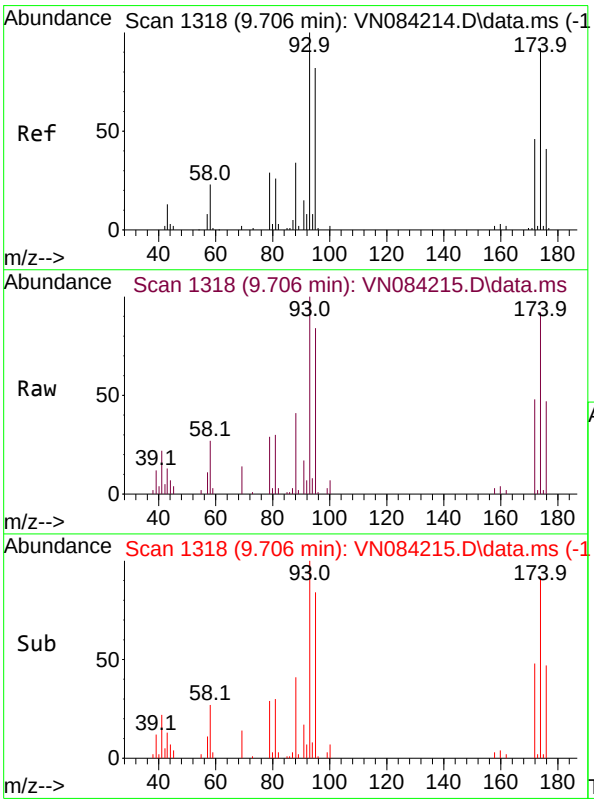
#45
1,2-Dichloropropane
Concen: 21.509 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 46651

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	37.0

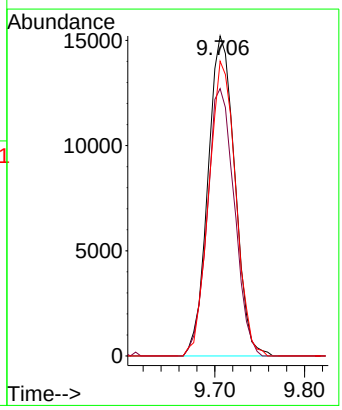


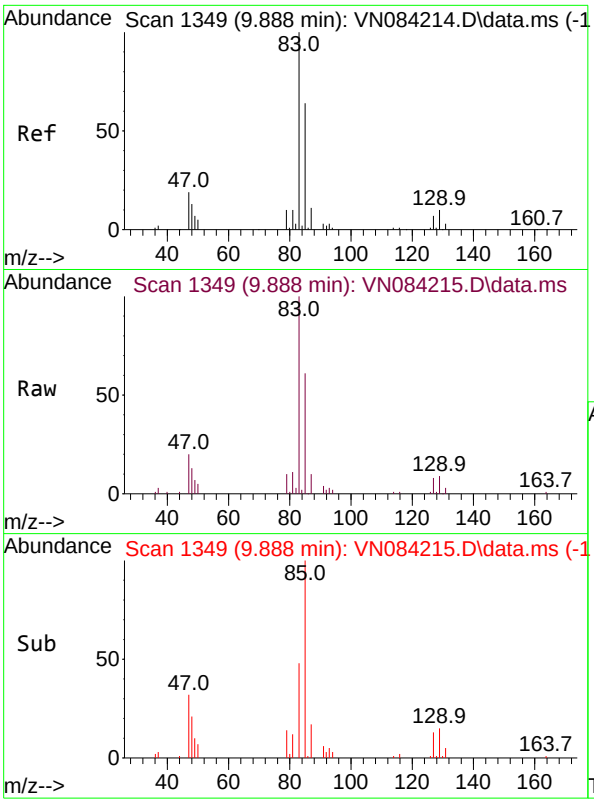


#46
Dibromomethane
Concen: 21.639 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



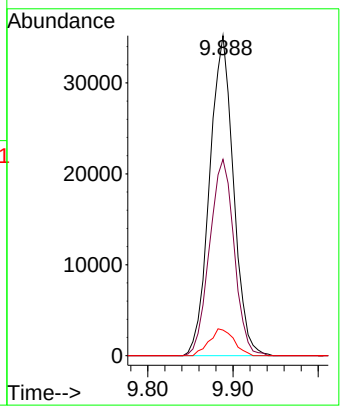


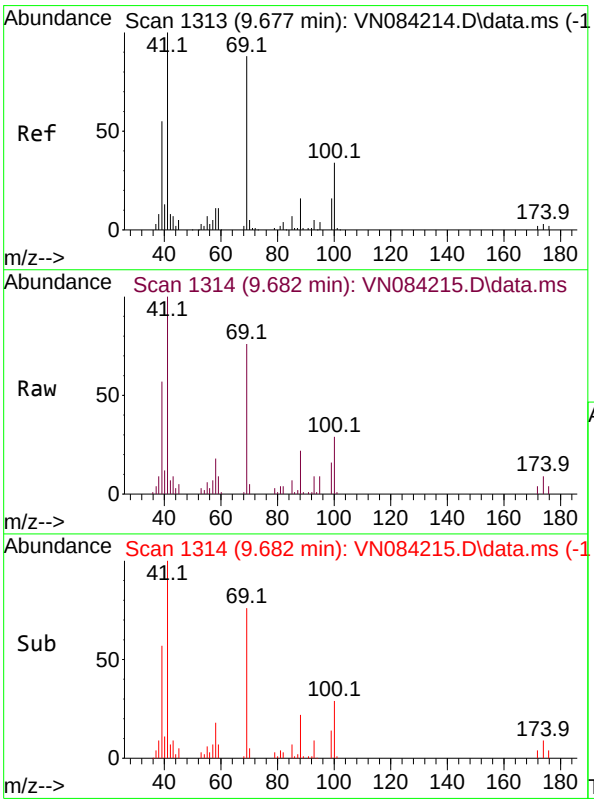
#47
Bromodichloromethane
Concen: 21.017 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

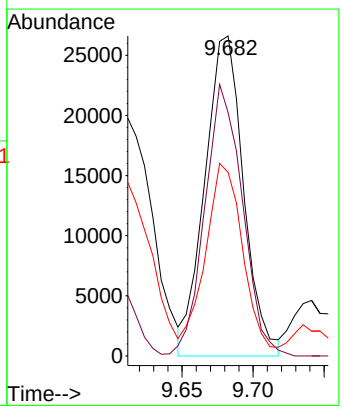


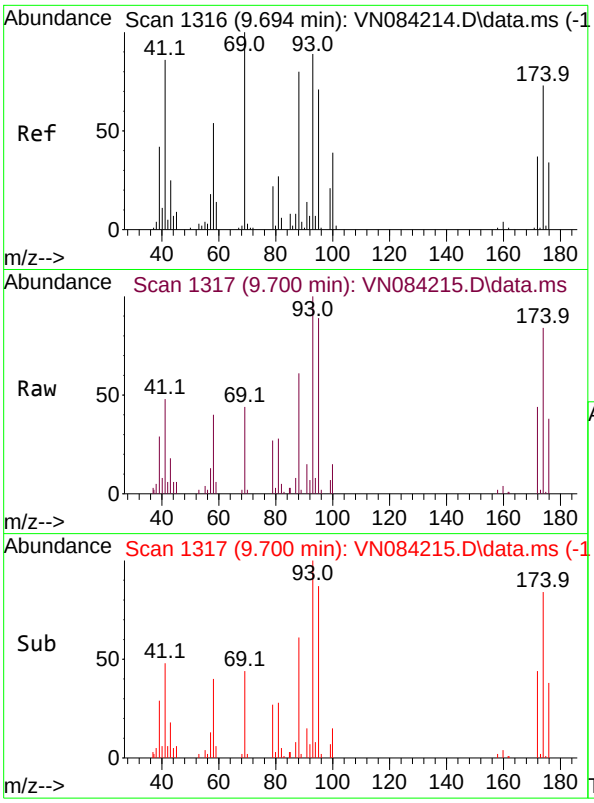


#48
Methyl methacrylate
Concen: 21.453 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



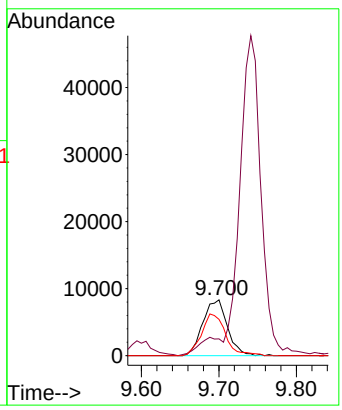


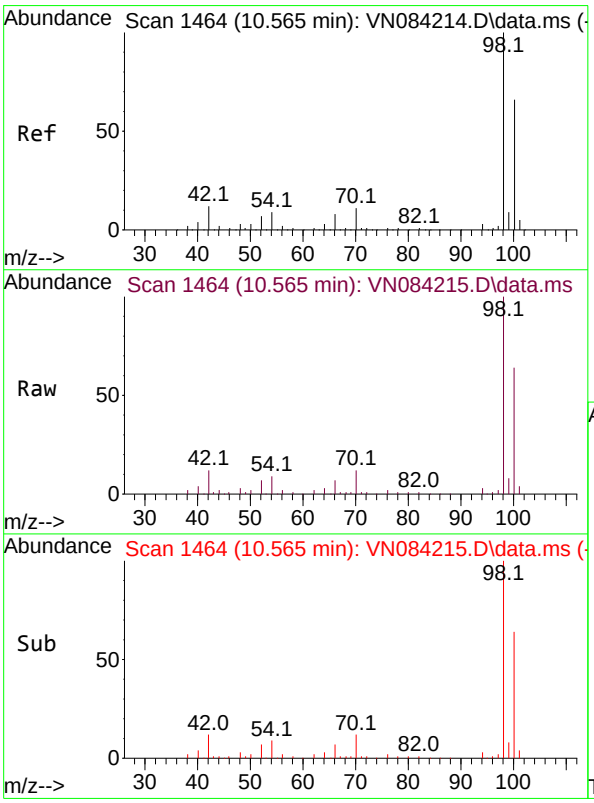
#49
1,4-Dioxane
Concen: 424.848 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

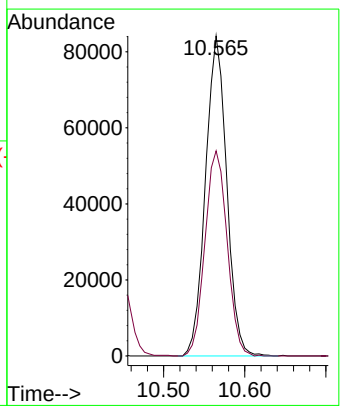


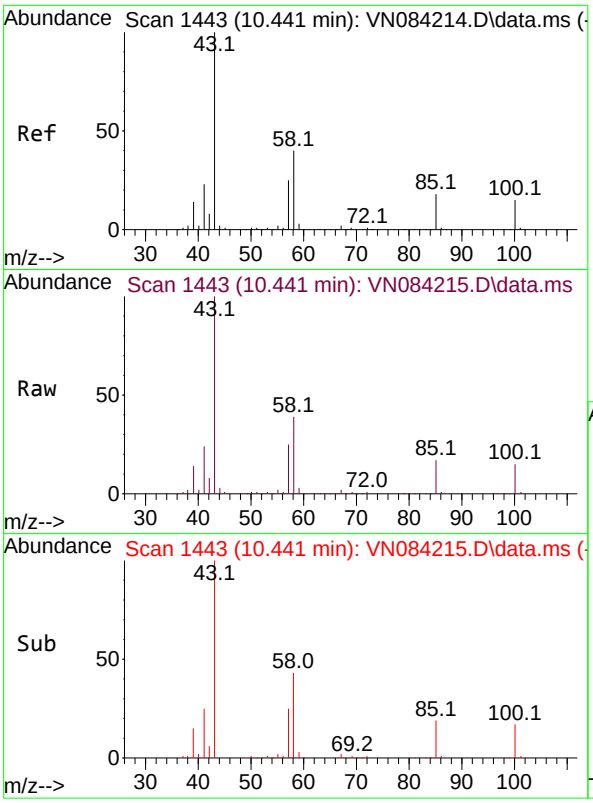


#50
Toluene-d8
Concen: 20.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 98 Resp: 152668

Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.7	79.1



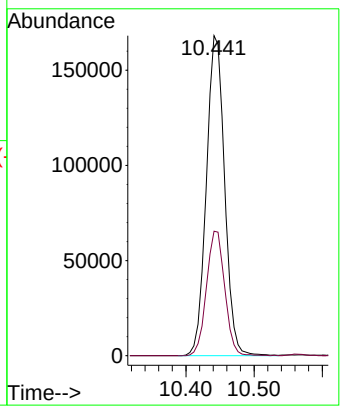


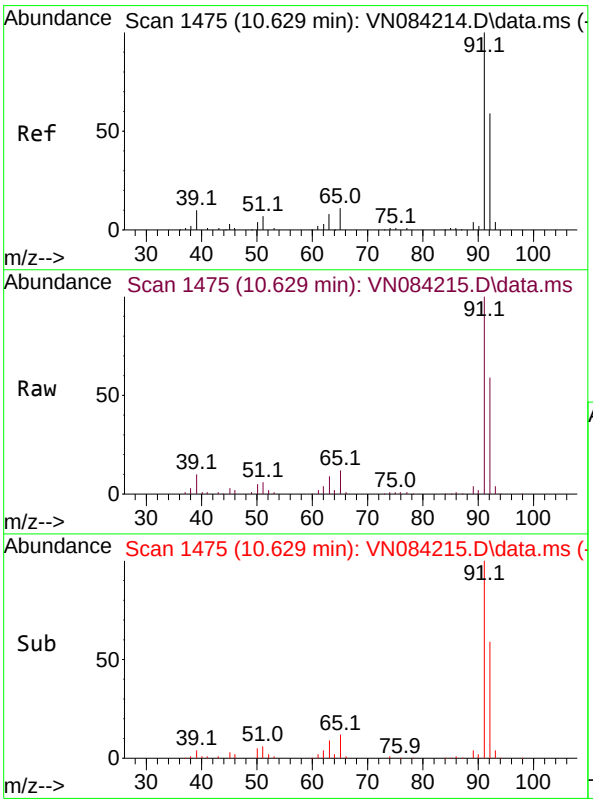
#51
4-Methyl-2-Pentanone
Concen: 109.132 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 313636

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

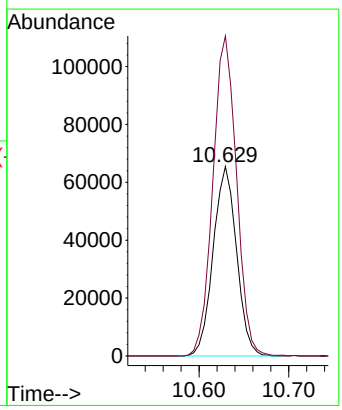


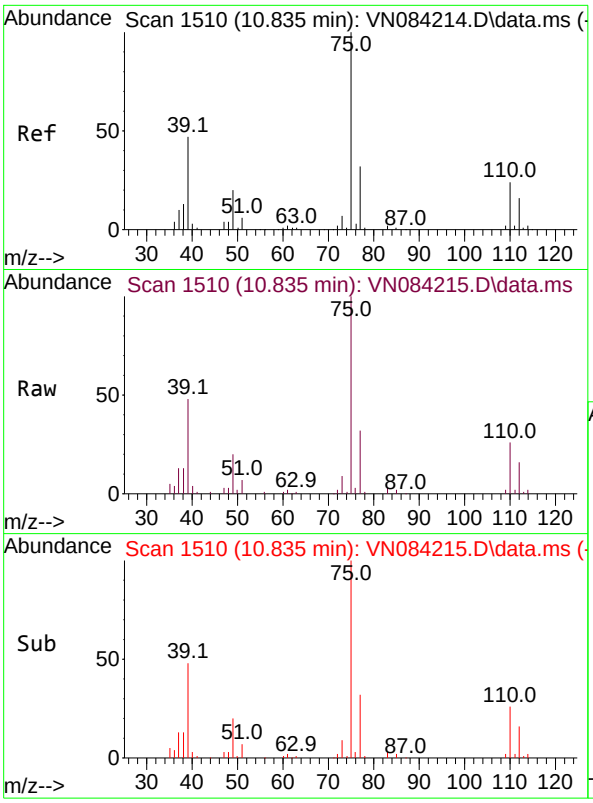


#52
Toluene
Concen: 21.179 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 92 Resp: 118412

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



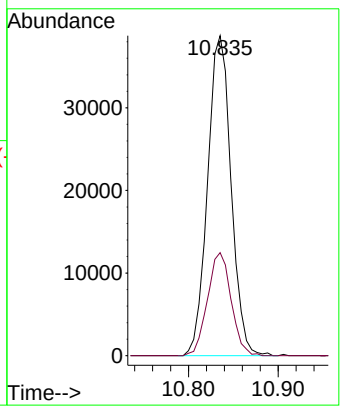


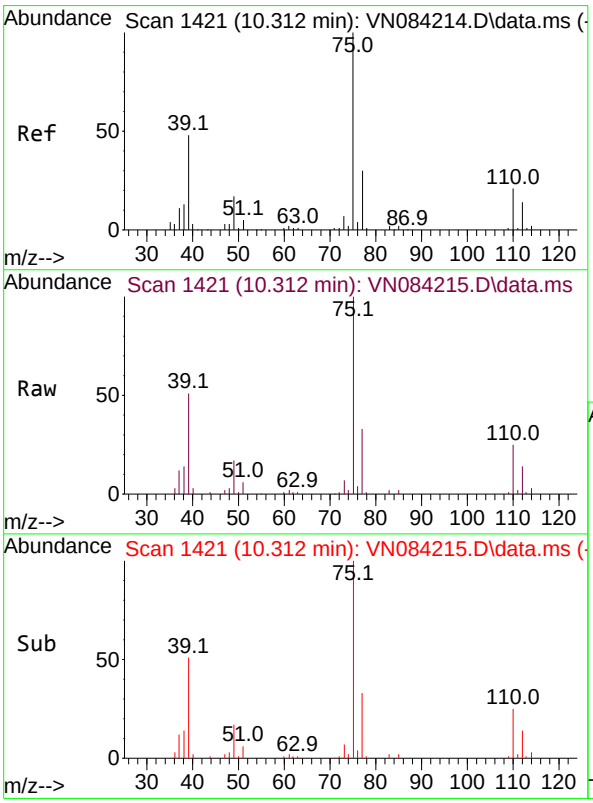
#53
t-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 70403

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

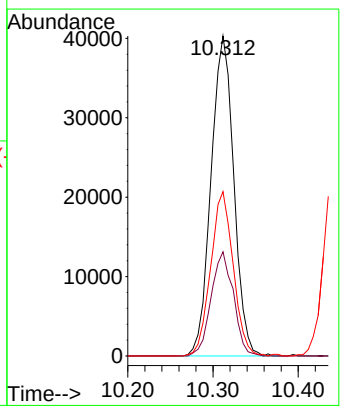


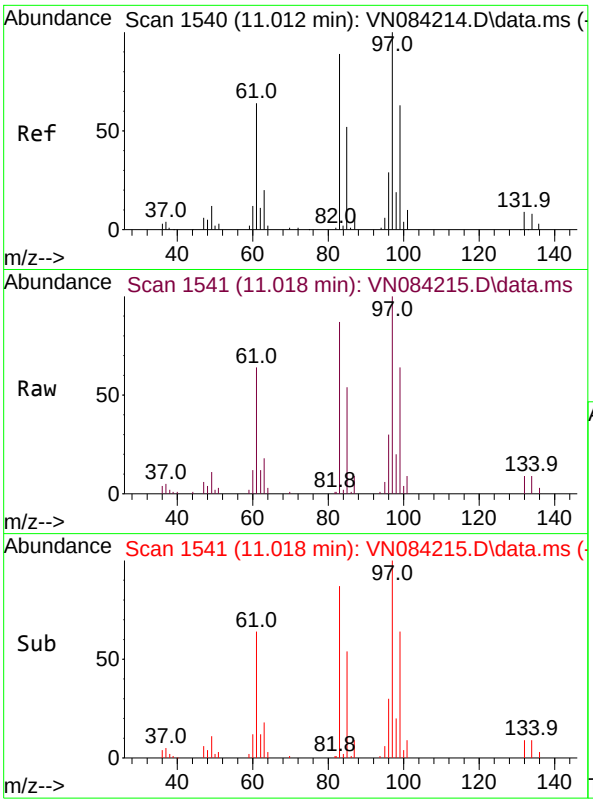


#54
cis-1,3-Dichloropropene
Concen: 20.973 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



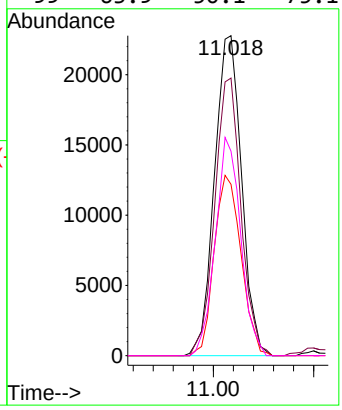


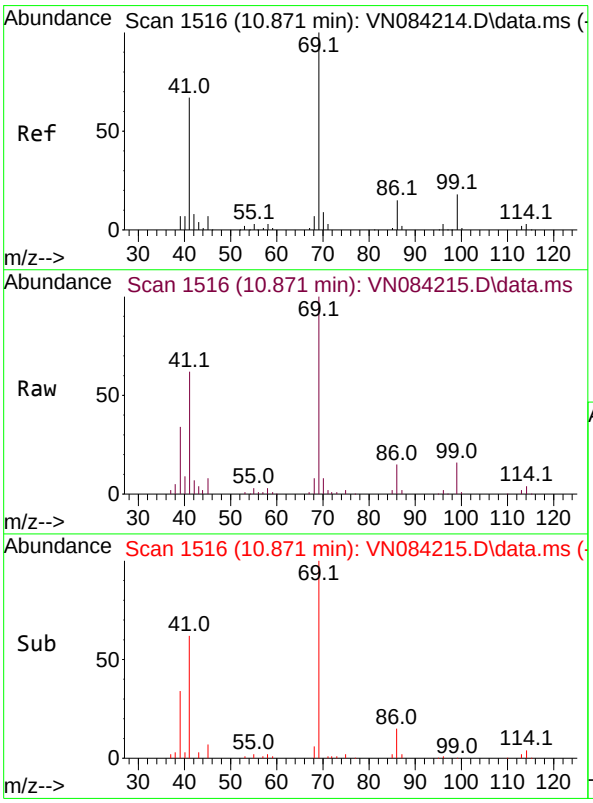
#55
1,1,2-Trichloroethane
Concen: 21.270 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

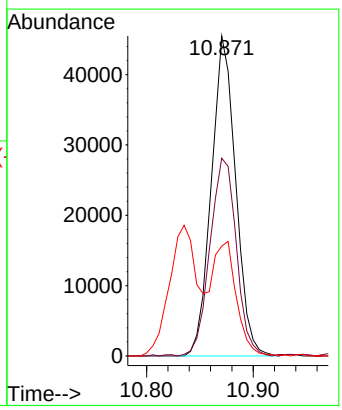


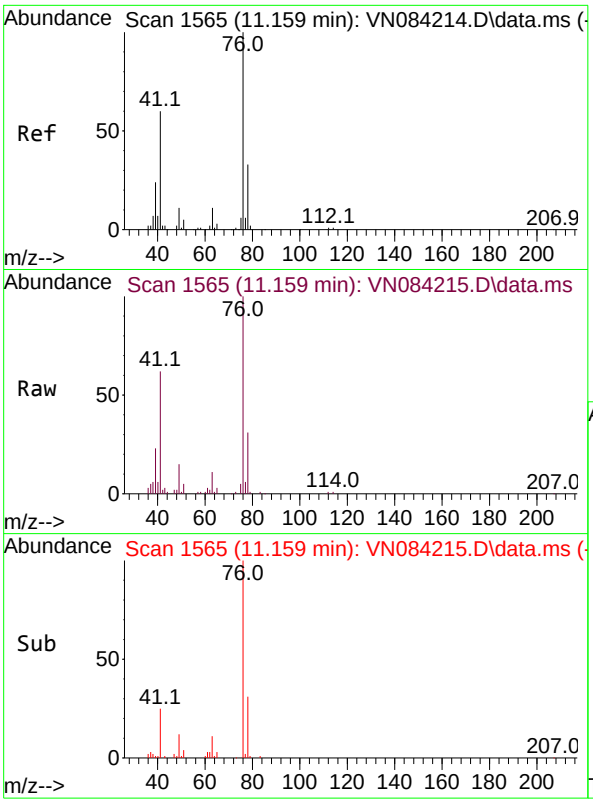


#56
Ethyl methacrylate
Concen: 21.880 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



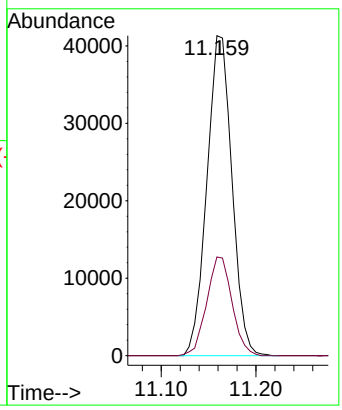


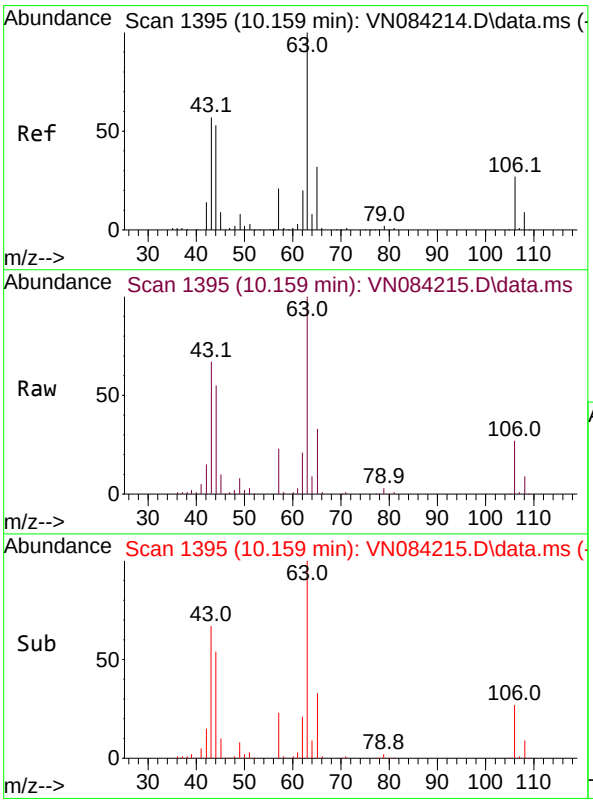
#57
1,3-Dichloropropane
Concen: 21.197 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 75915

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6

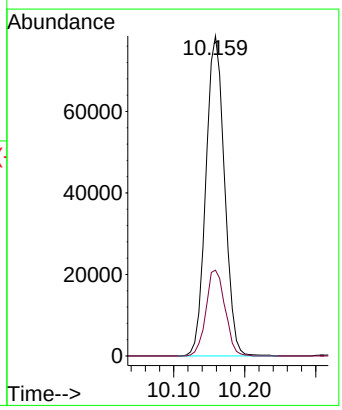


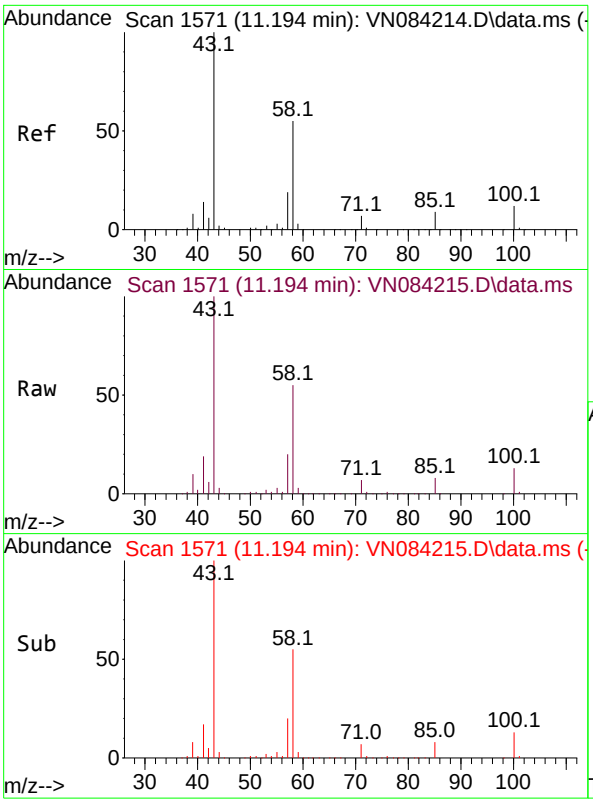


#58
2-Chloroethyl Vinyl ether
Concen: 93.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 63 Resp: 142843

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6



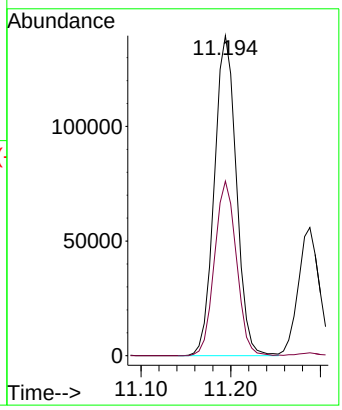


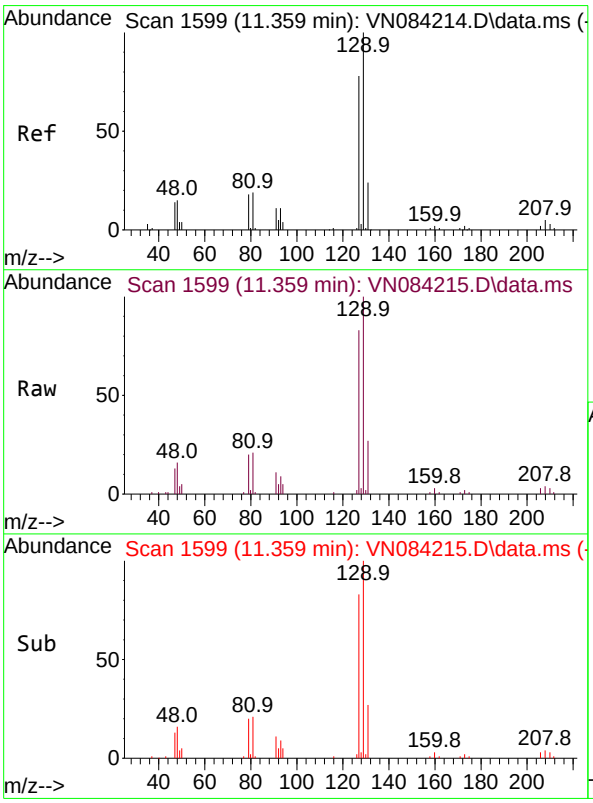
#59
2-Hexanone
Concen: 110.658 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 237694

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

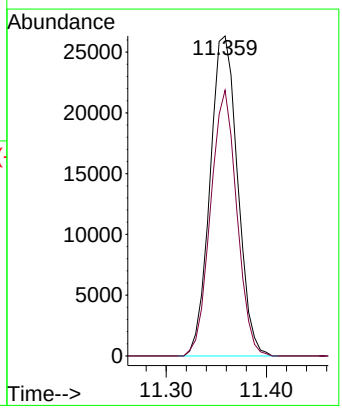


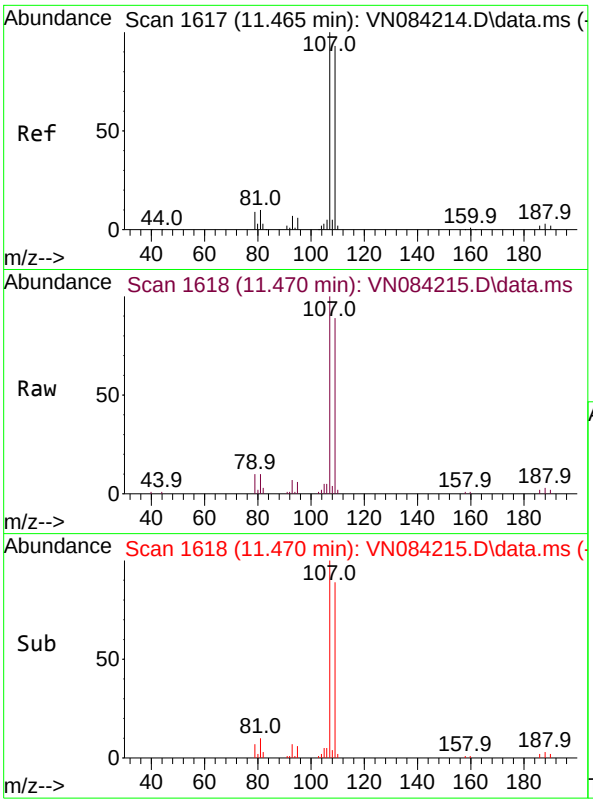


#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:129 Resp: 50326

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.9



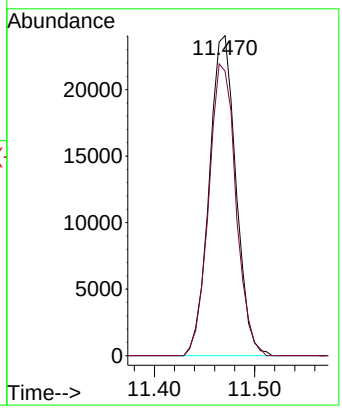


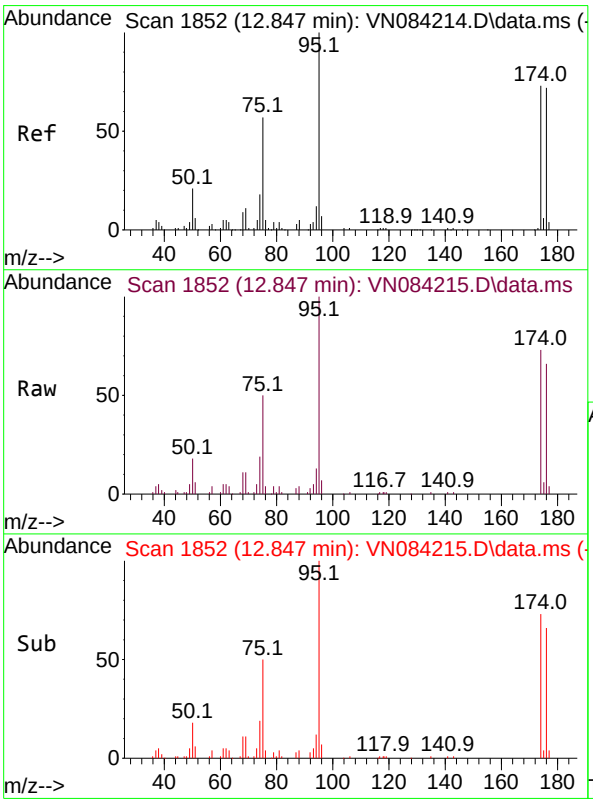
#61
1,2-Dibromoethane
Concen: 21.393 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 44554

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

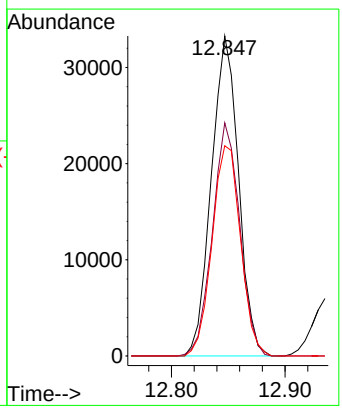


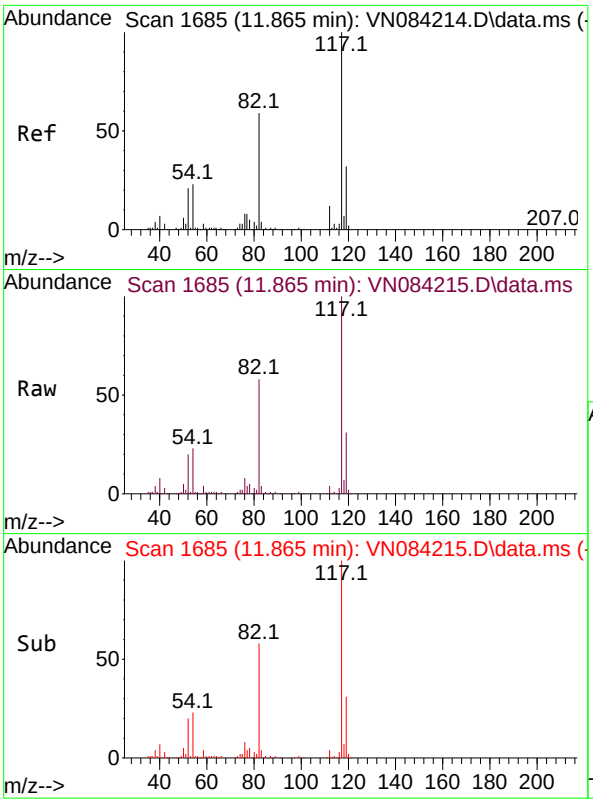


#62
4-Bromofluorobenzene
Concen: 20.329 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



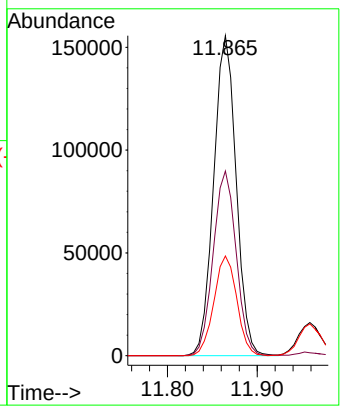


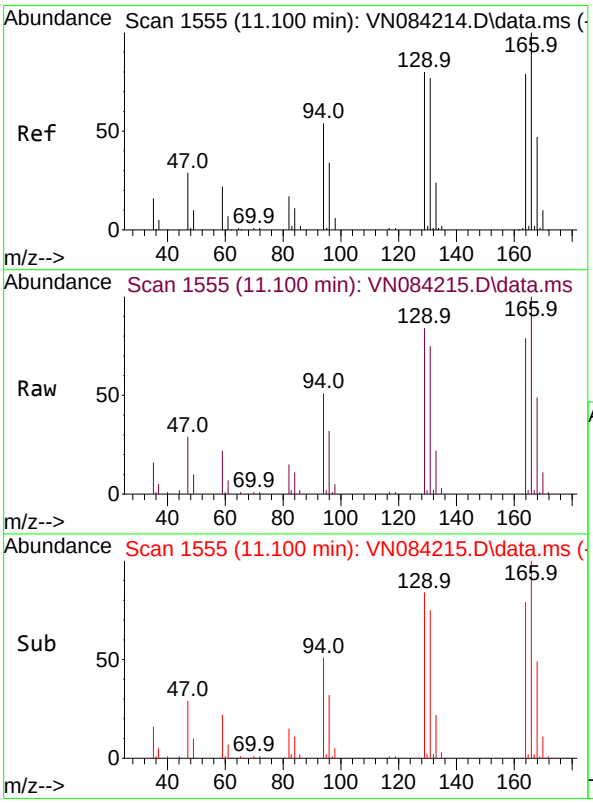
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

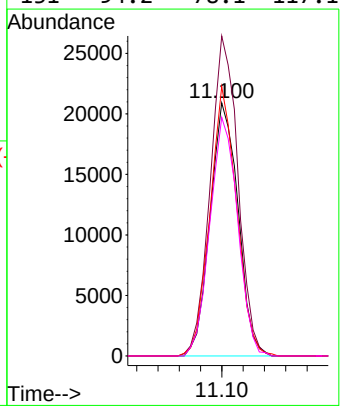


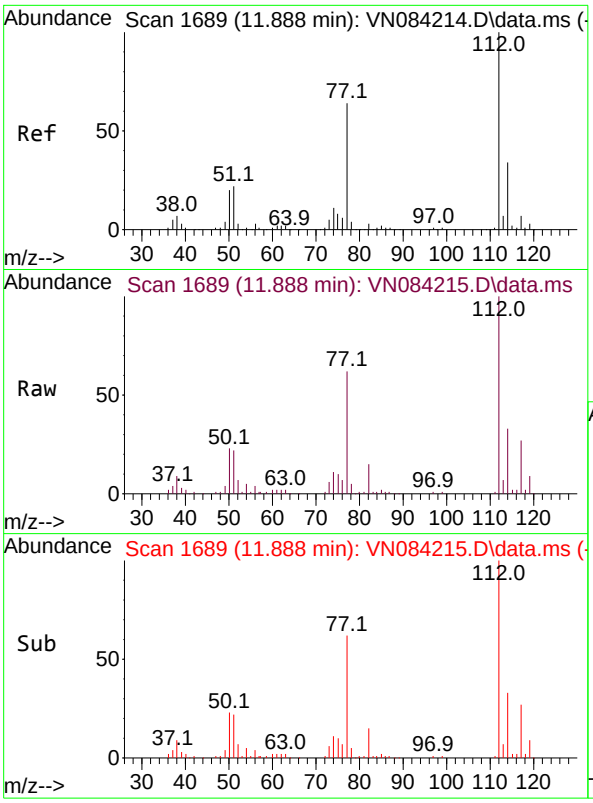


#64
Tetrachloroethene
Concen: 20.179 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



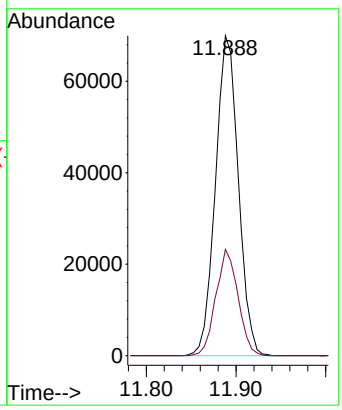


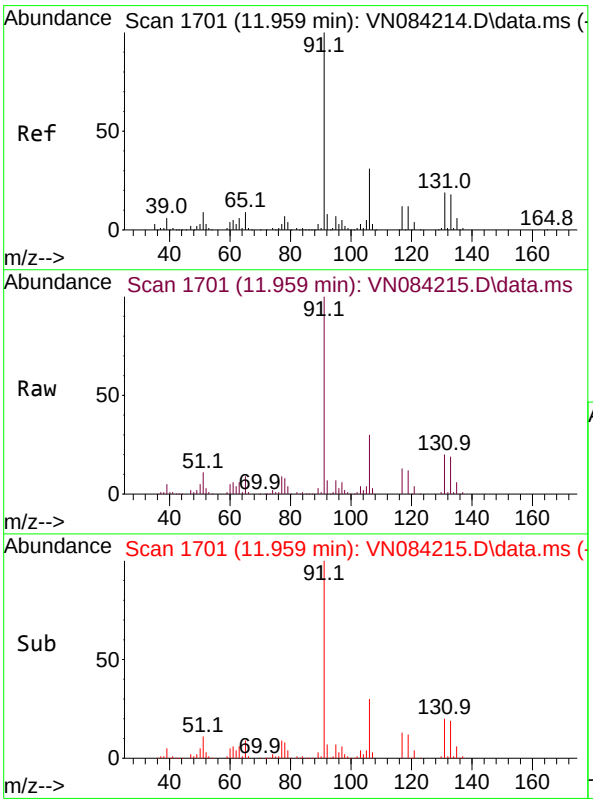
#65
Chlorobenzene
Concen: 20.620 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 123787

Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.0	40.6

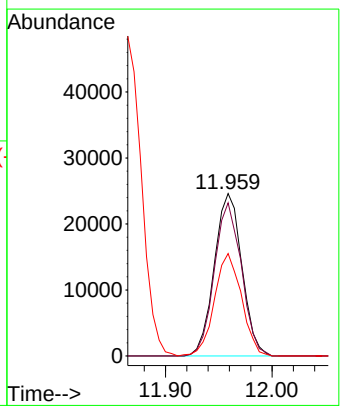


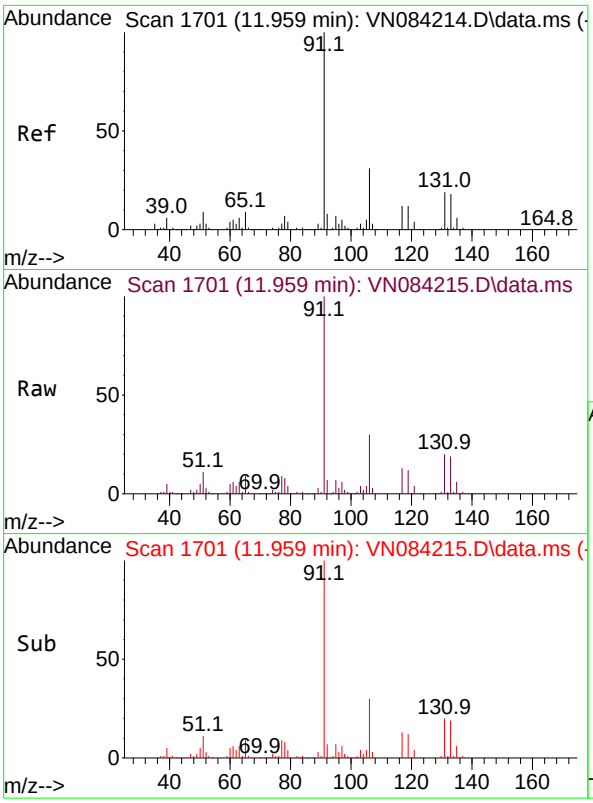


#66
1,1,1,2-Tetrachloroethane
Concen: 21.417 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



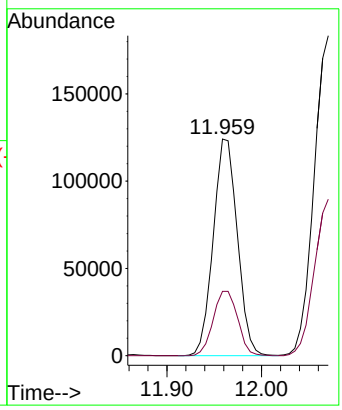


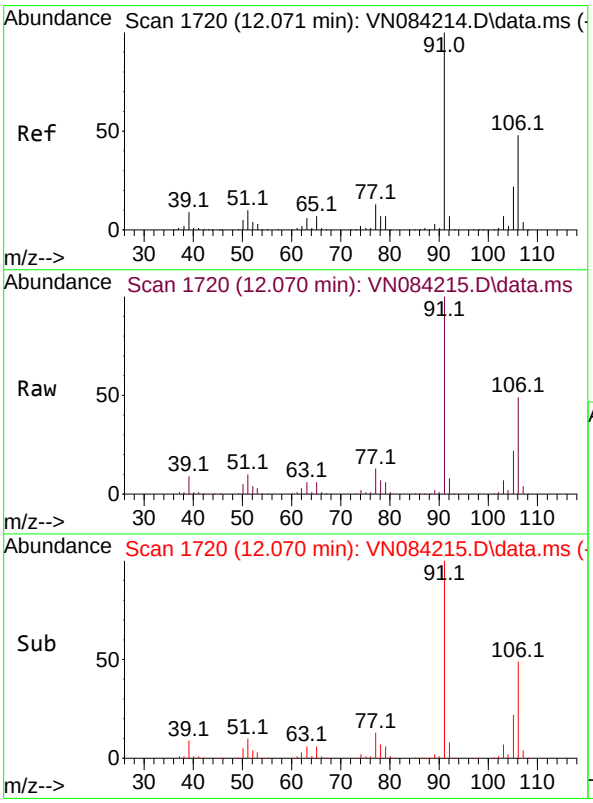
#67
Ethyl Benzene
Concen: 20.688 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 219635

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

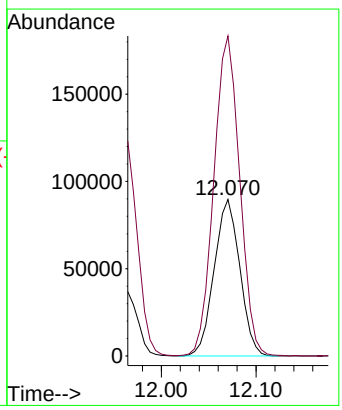


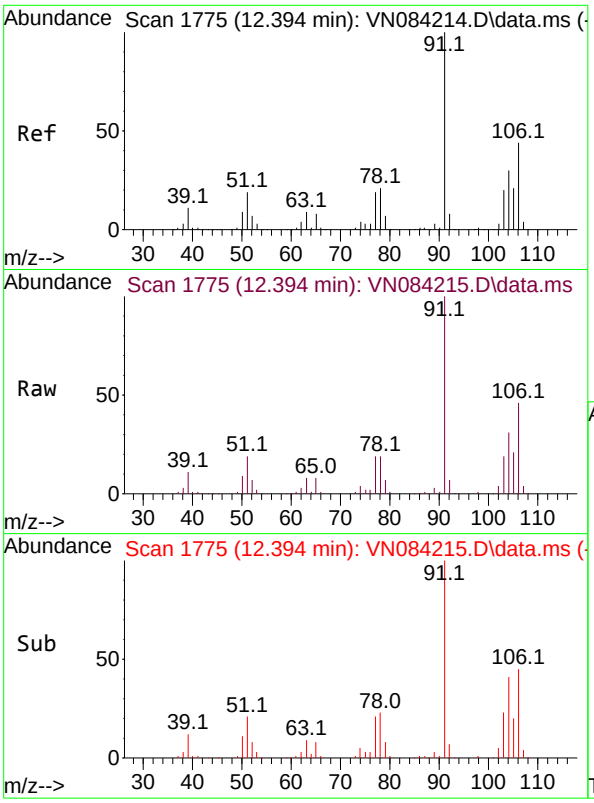


#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:106 Resp: 168826

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.1	250.7



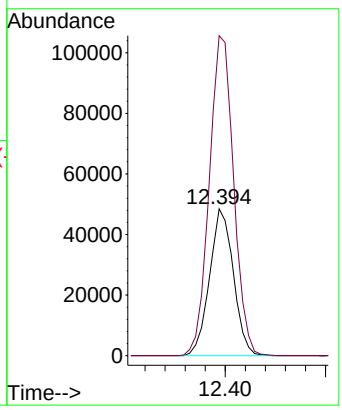


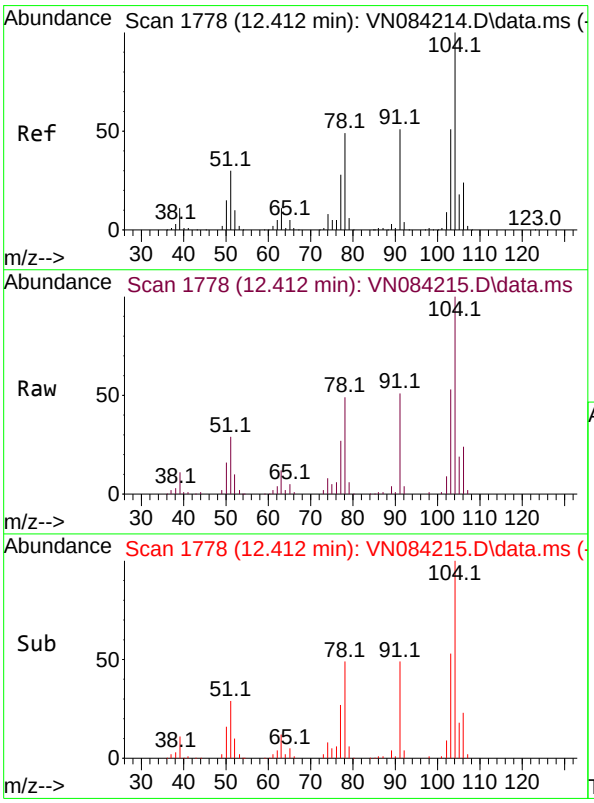
#69
o-Xylene
Concen: 21.503 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 79896

Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.2	330.6

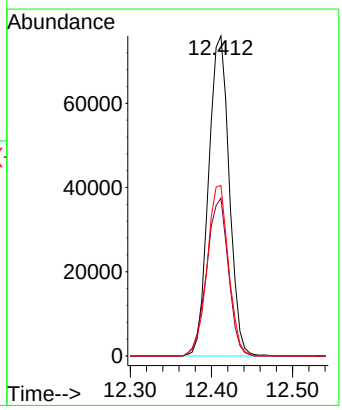


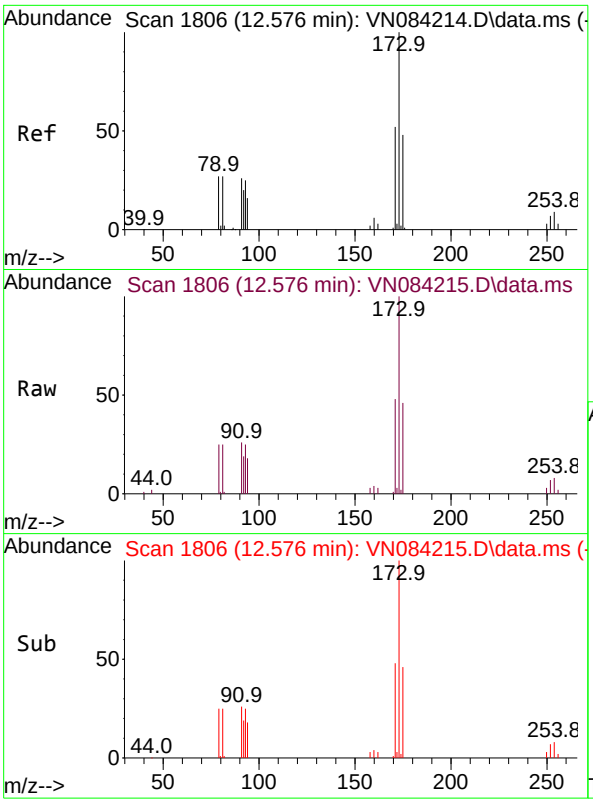


#70
Styrene
Concen: 21.302 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



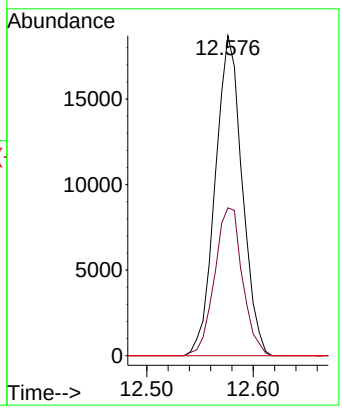


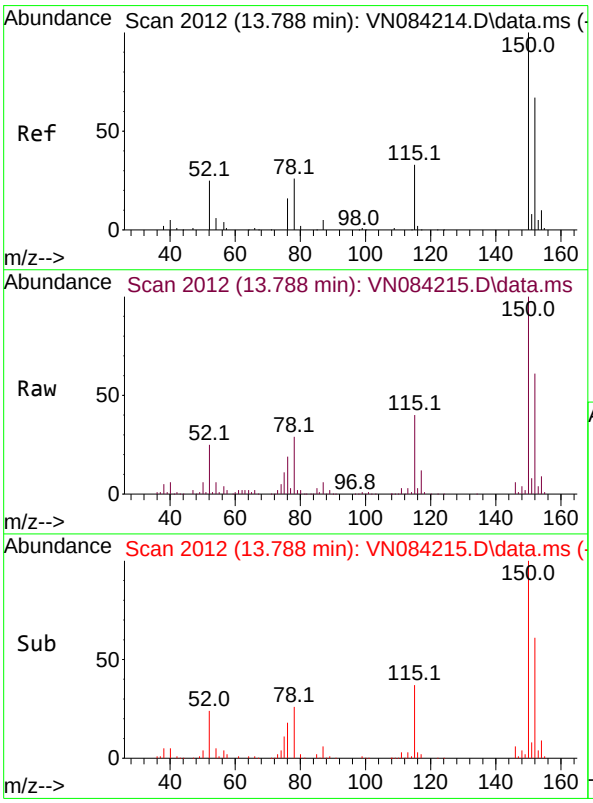
#71
Bromoform
Concen: 21.561 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

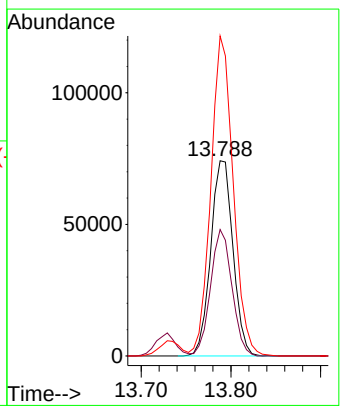


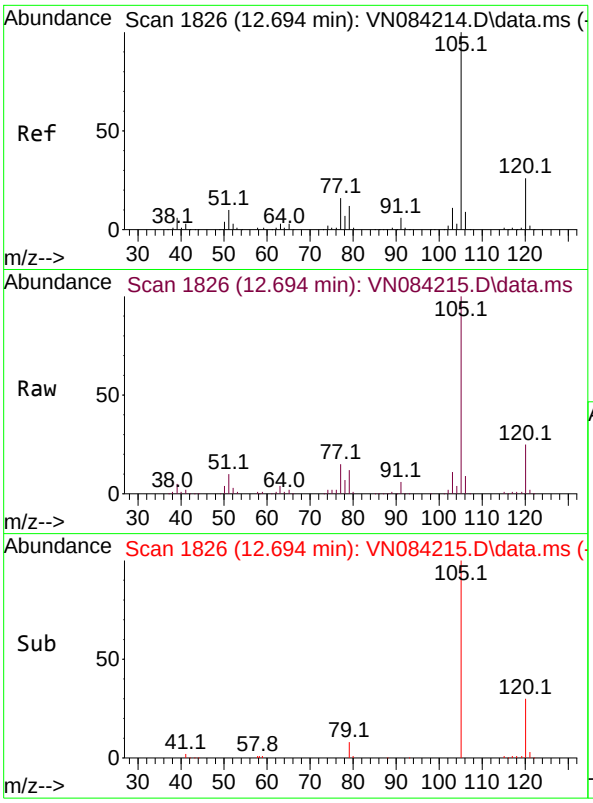


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



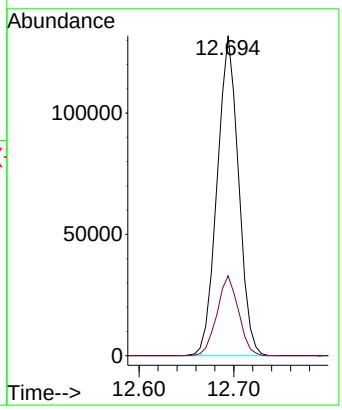


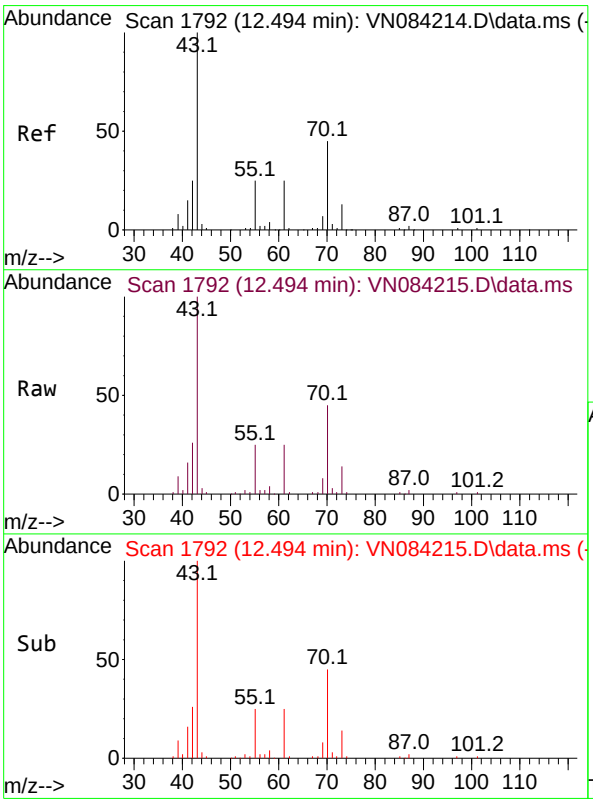
#73
Isopropylbenzene
Concen: 21.254 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 207217

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.9	38.7

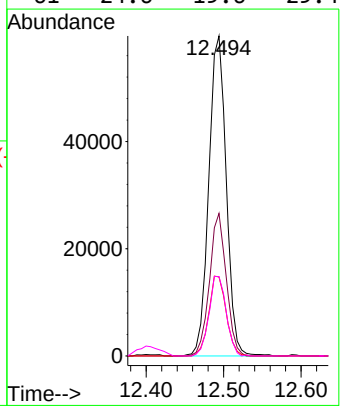


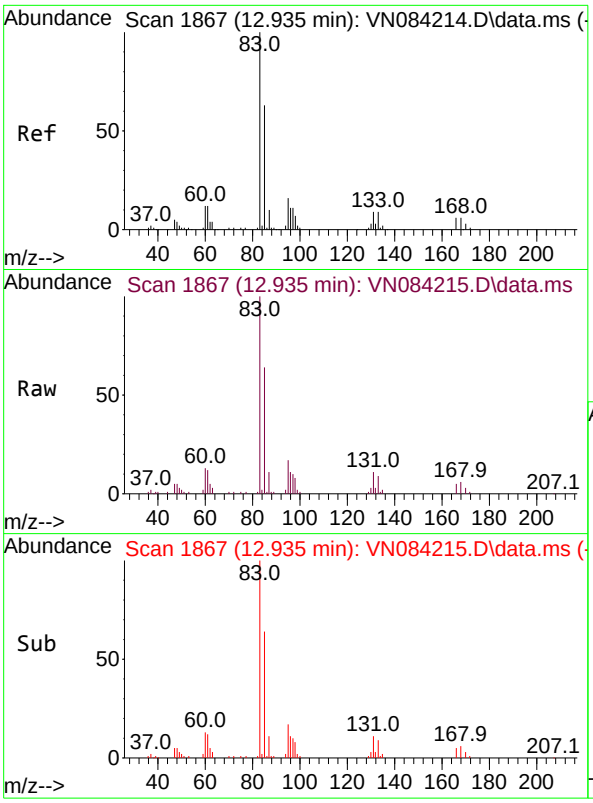


#74
N-amyl acetate
Concen: 21.154 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



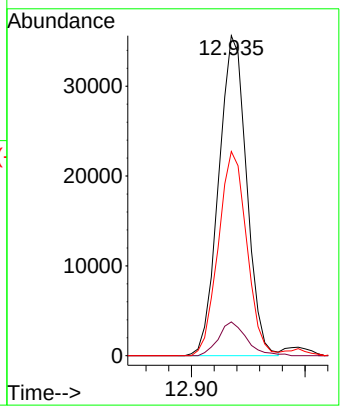


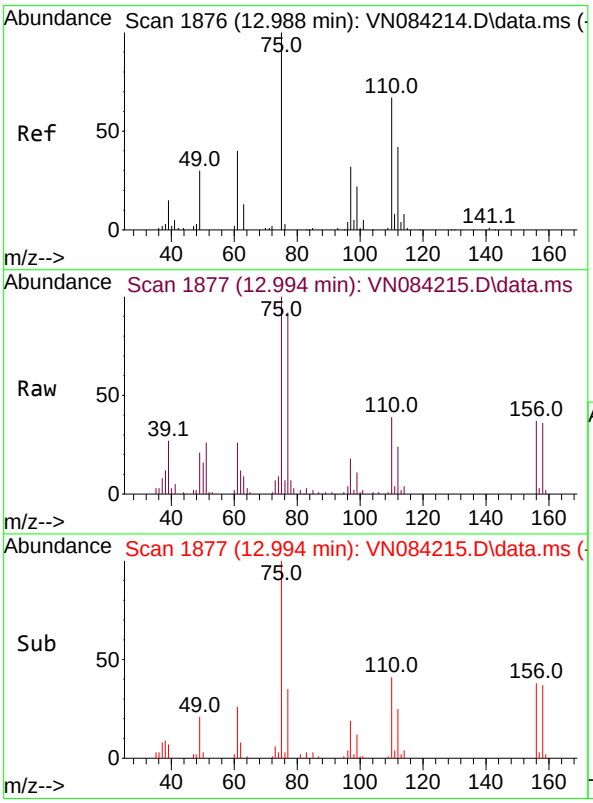
#75
1,1,2,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

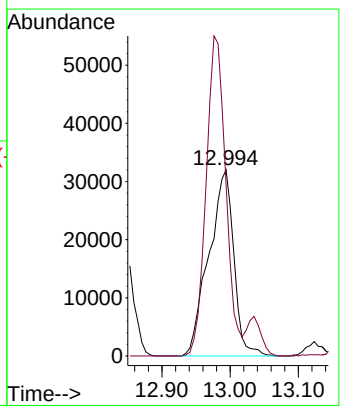


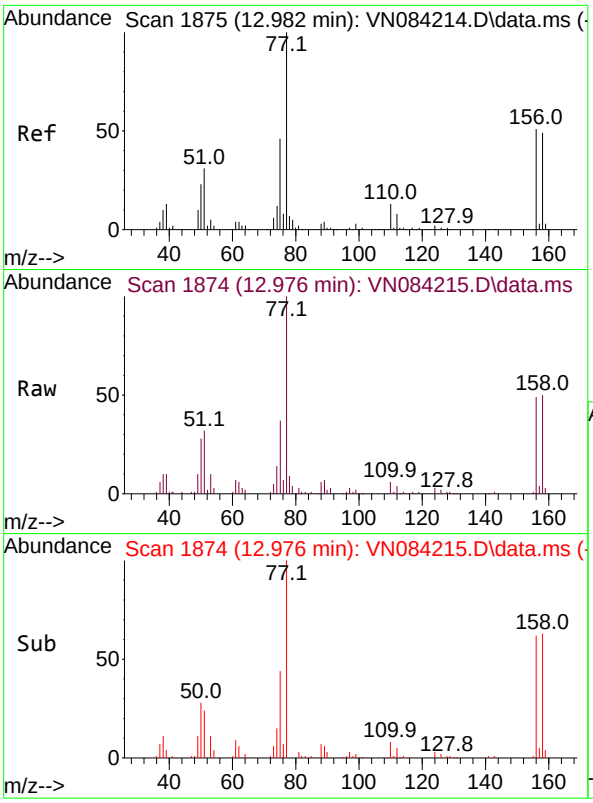


#76
1,2,3-Trichloropropane
Concen: 31.983 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 75 Resp: 81444

Ion	Ratio	Lower	Upper
75	100		
77	136.1	96.9	290.7



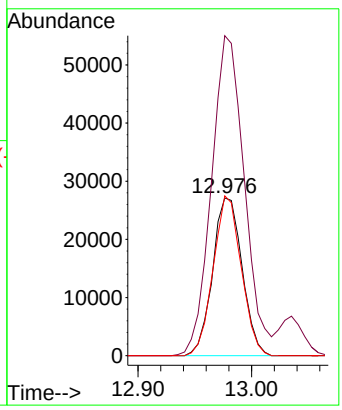


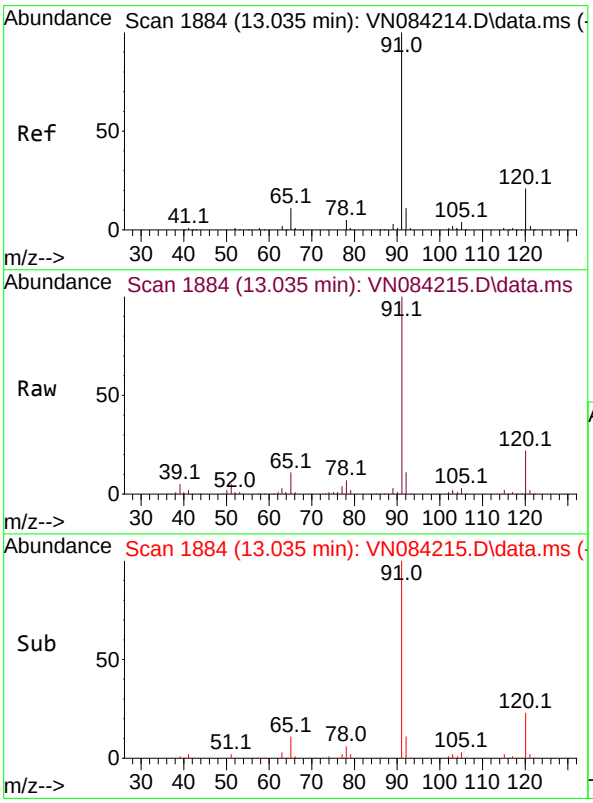
#77
Bromobenzene
Concen: 20.752 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

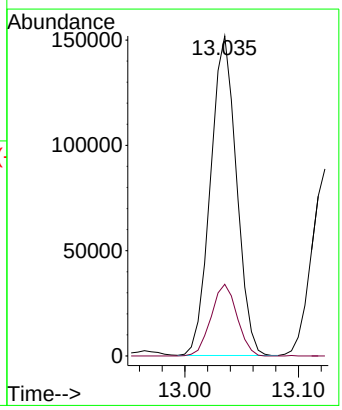


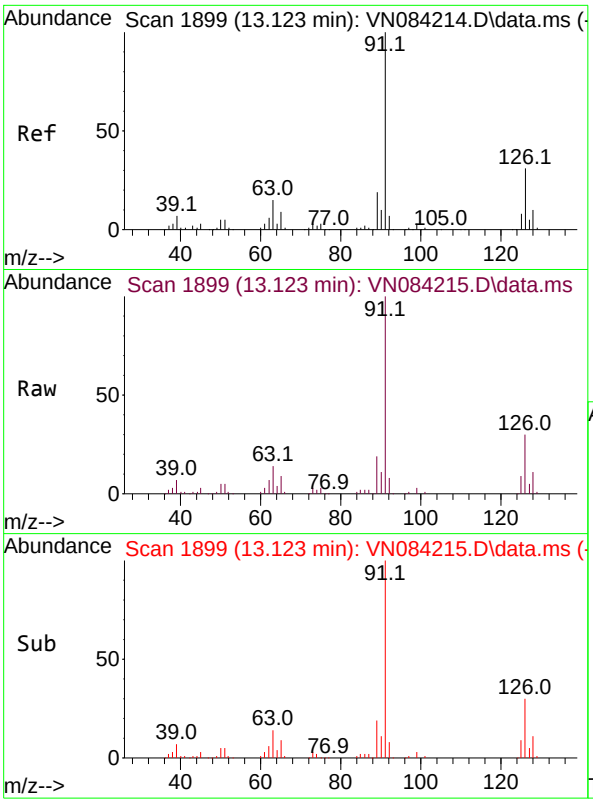


#78
n-propylbenzene
Concen: 21.350 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 241164

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



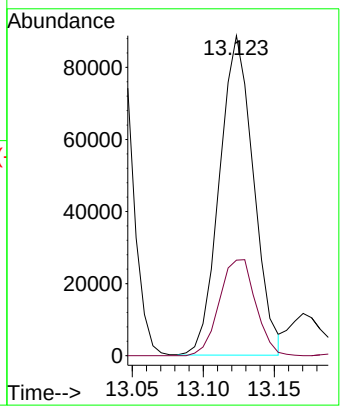


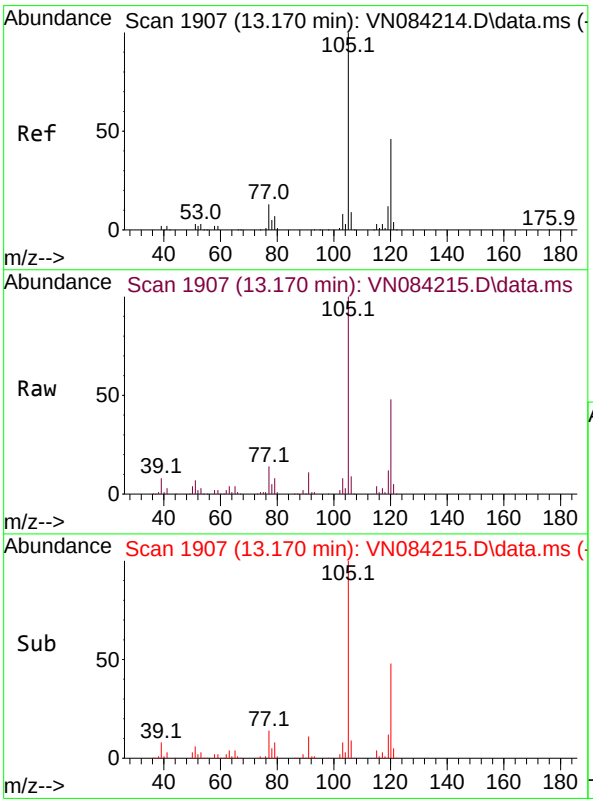
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 147738

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

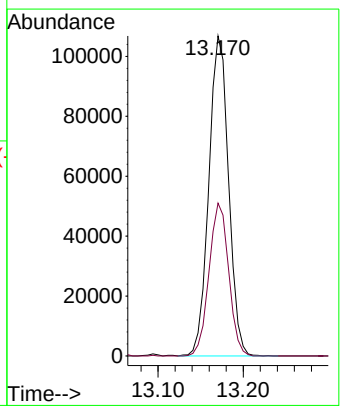


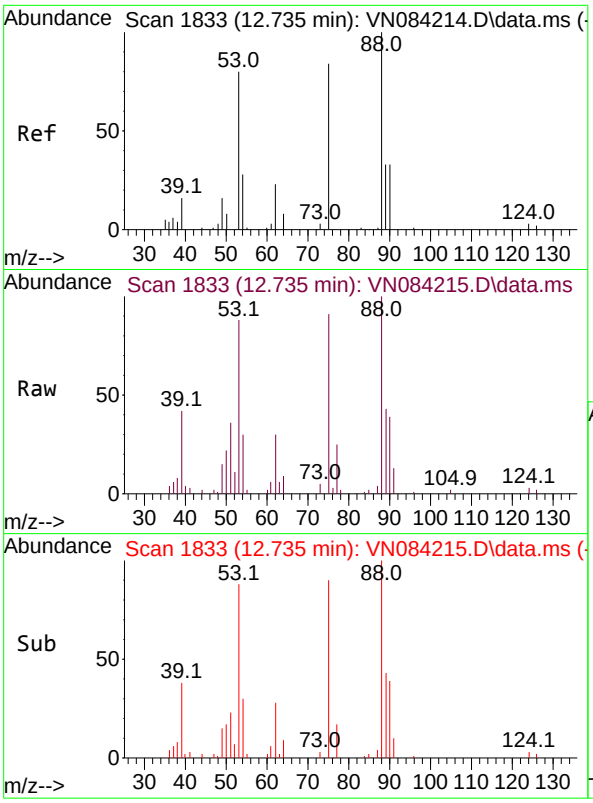


#80
1,3,5-Trimethylbenzene
Concen: 21.577 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 171600

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



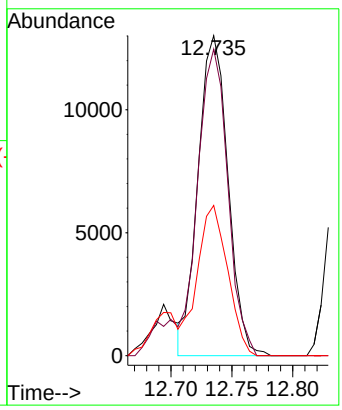


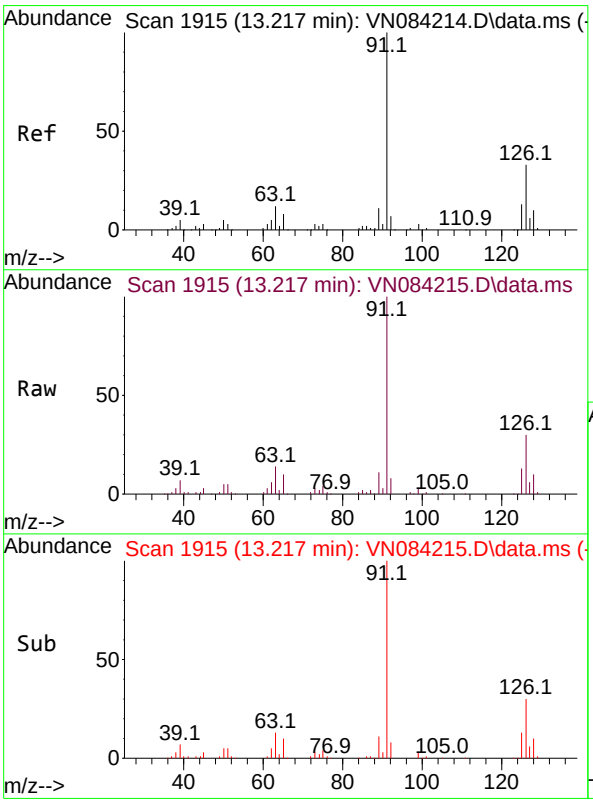
#81
trans-1,4-Dichloro-2-butene
Concen: 20.426 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

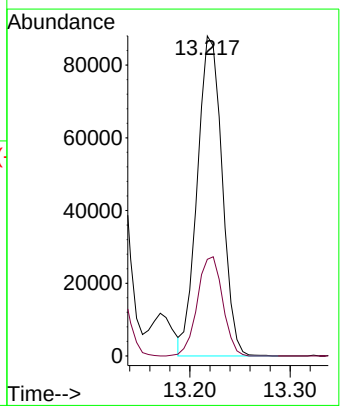


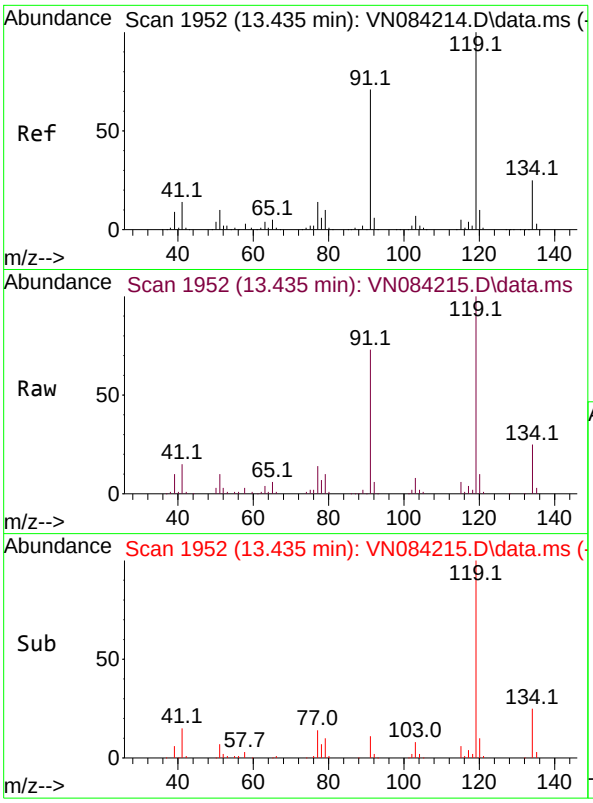


#82
4-Chlorotoluene
Concen: 20.864 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion: 91 Resp: 151387

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



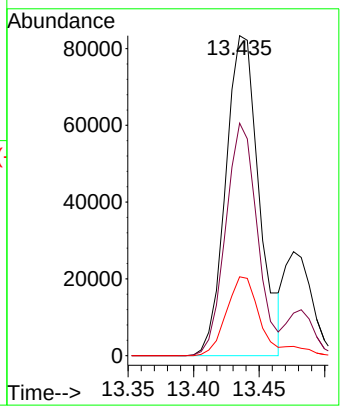


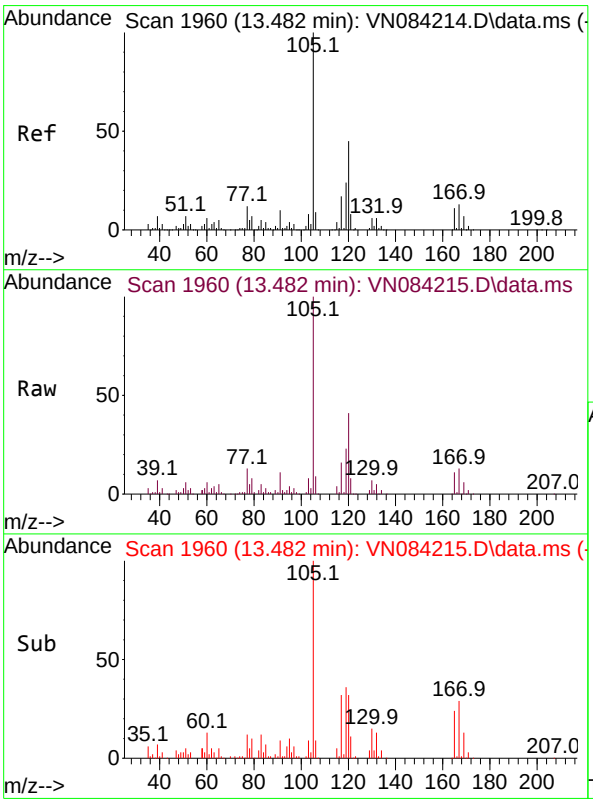
#83
tert-Butylbenzene
Concen: 20.899 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

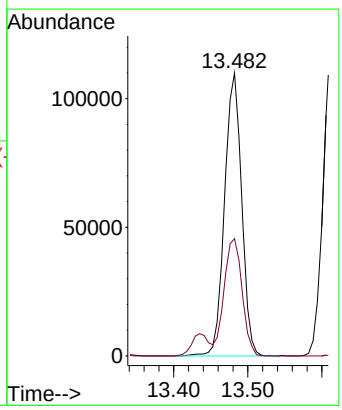


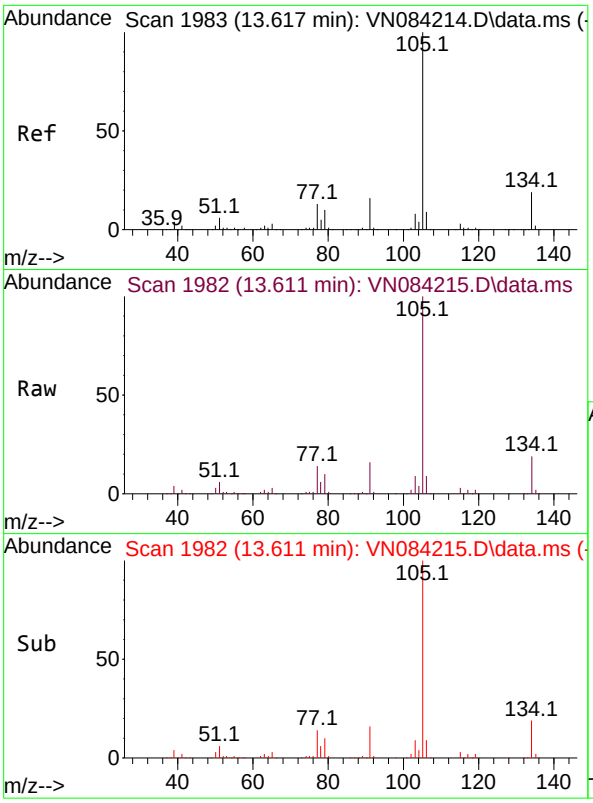


#84
1,2,4-Trimethylbenzene
Concen: 22.004 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:105 Resp: 176283

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8



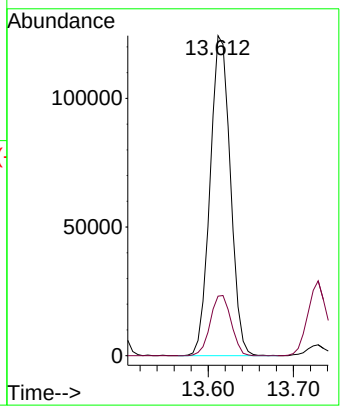


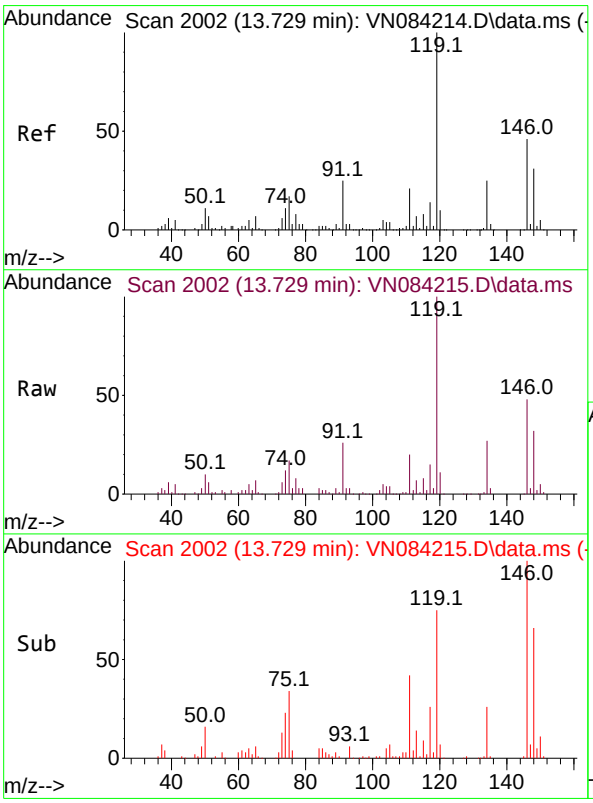
#85
sec-Butylbenzene
Concen: 21.784 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 205477

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

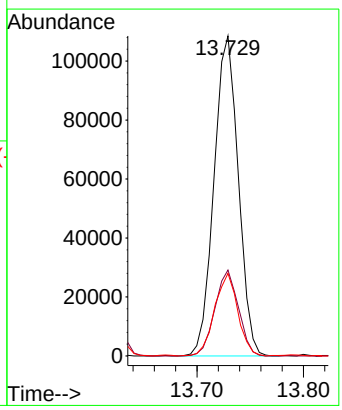


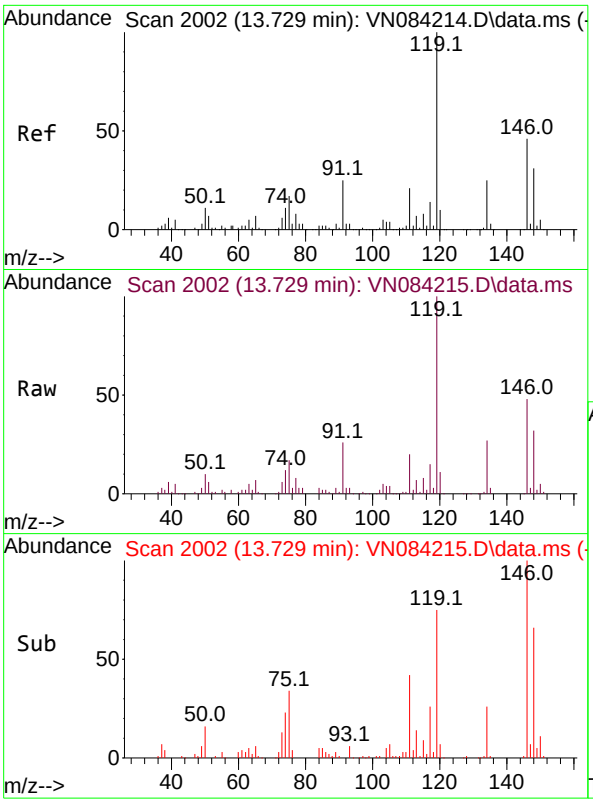


#86
p-Isopropyltoluene
Concen: 22.022 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



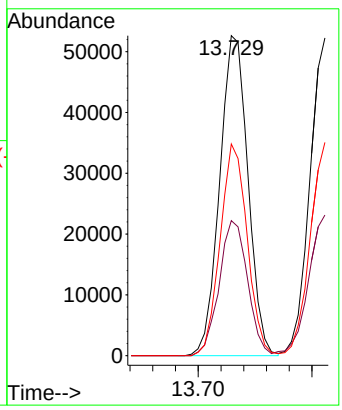


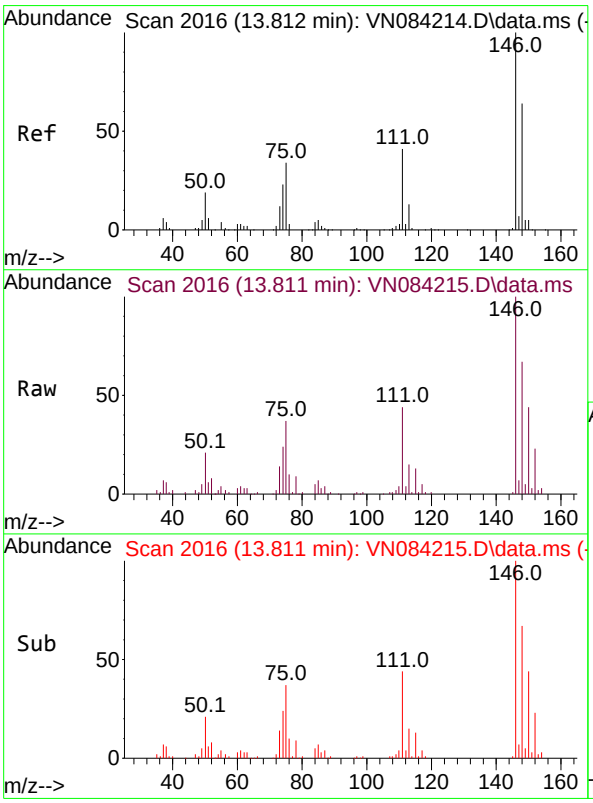
#87
1,3-Dichlorobenzene
Concen: 20.620 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

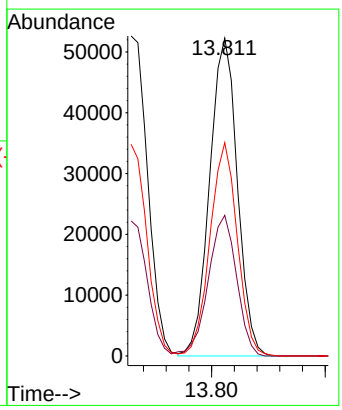


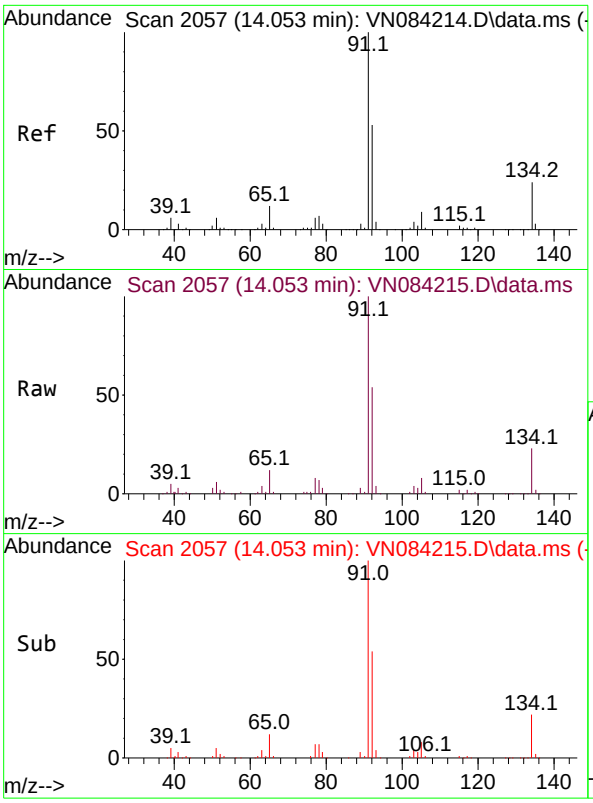


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



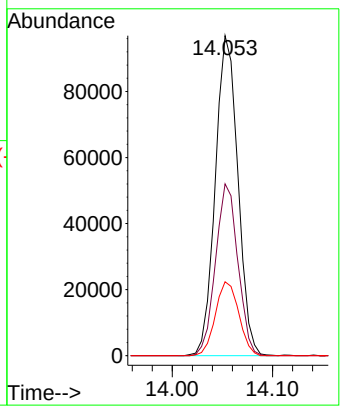


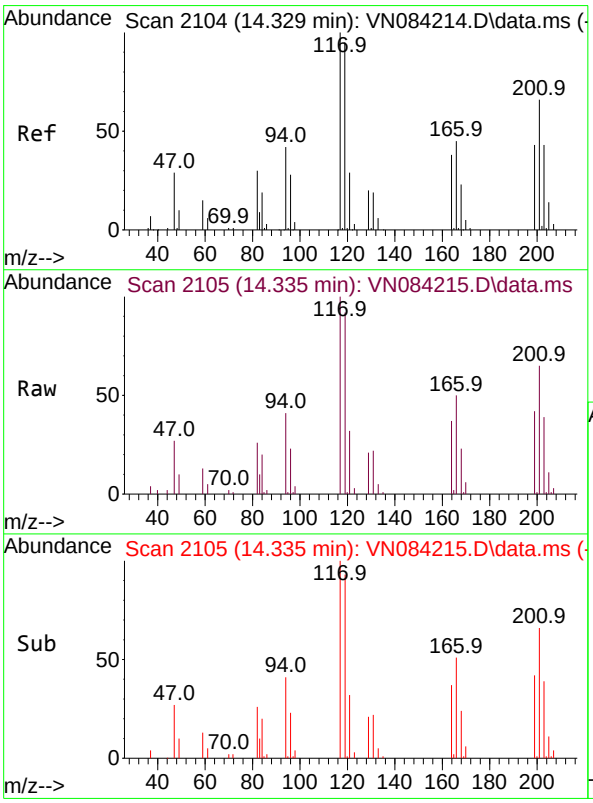
#89
n-Butylbenzene
Concen: 21.398 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

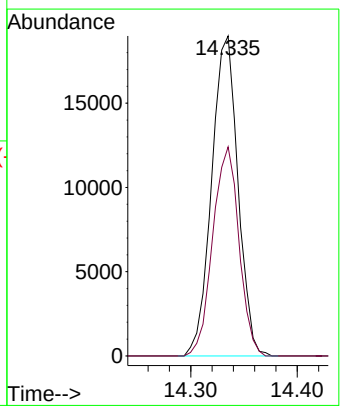


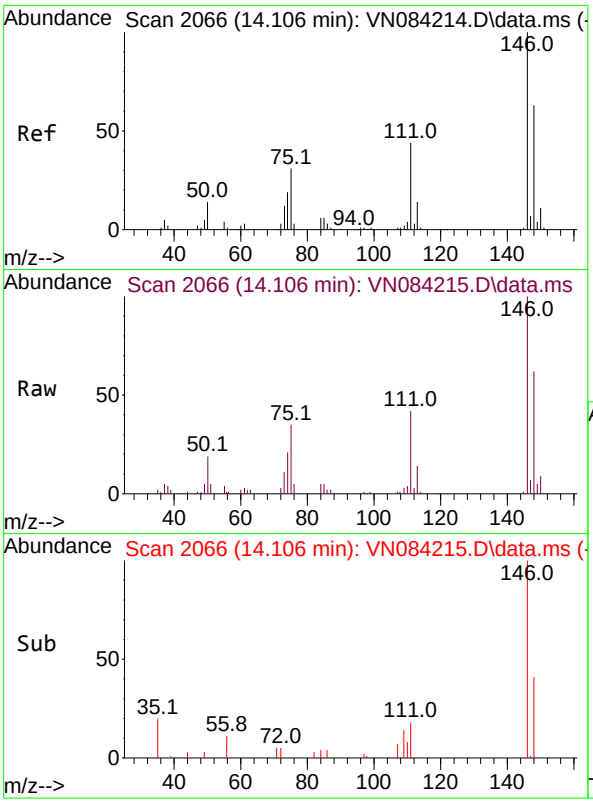


#90
Hexachloroethane
Concen: 20.562 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

Tgt Ion:117 Resp: 32554

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2



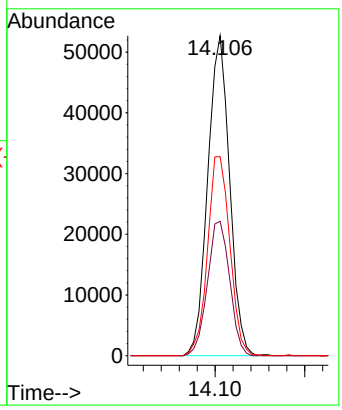


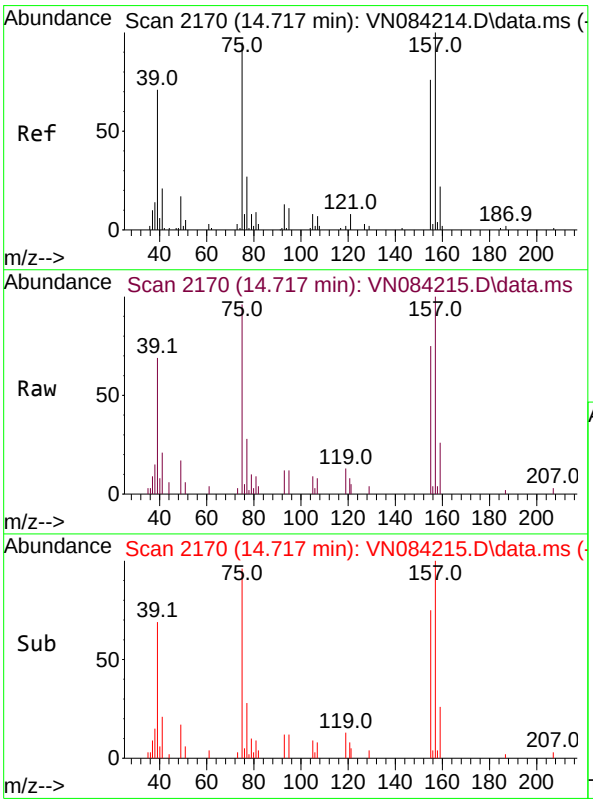
#91
1,2-Dichlorobenzene
Concen: 20.560 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

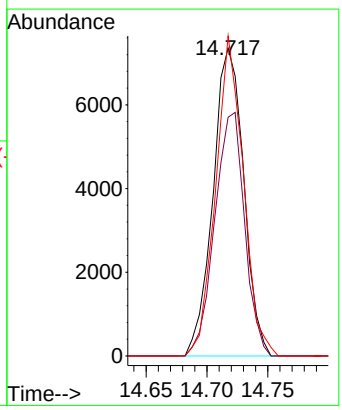


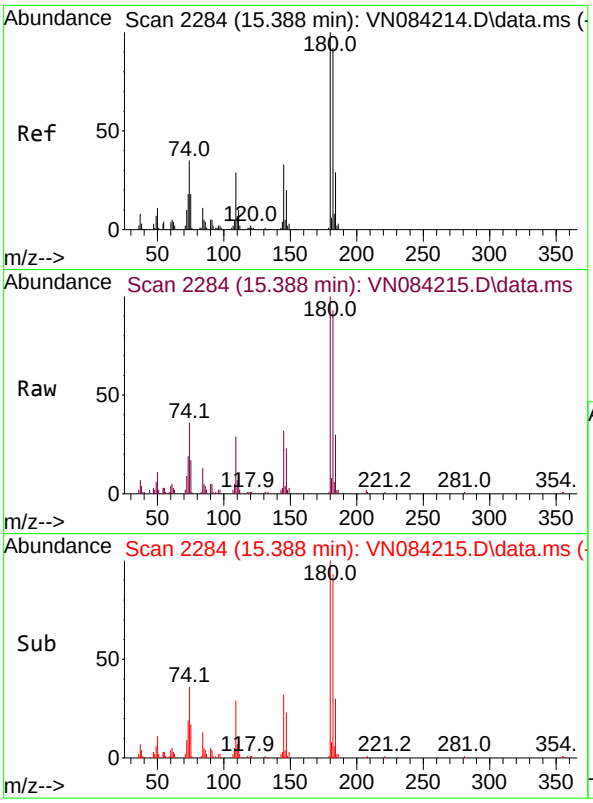


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.347 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



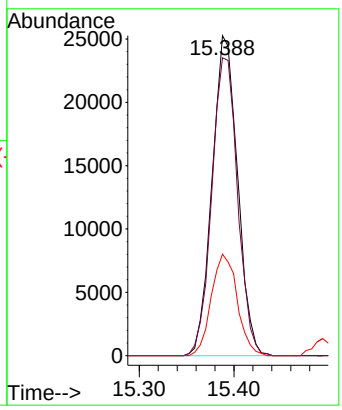


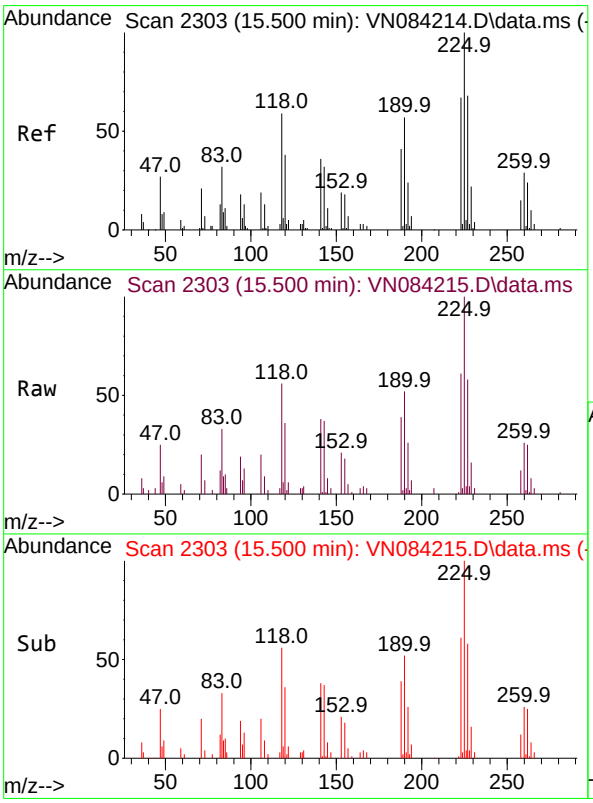
#93
1,2,4-Trichlorobenzene
Concen: 22.128 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

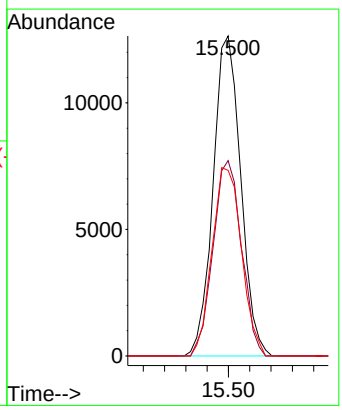


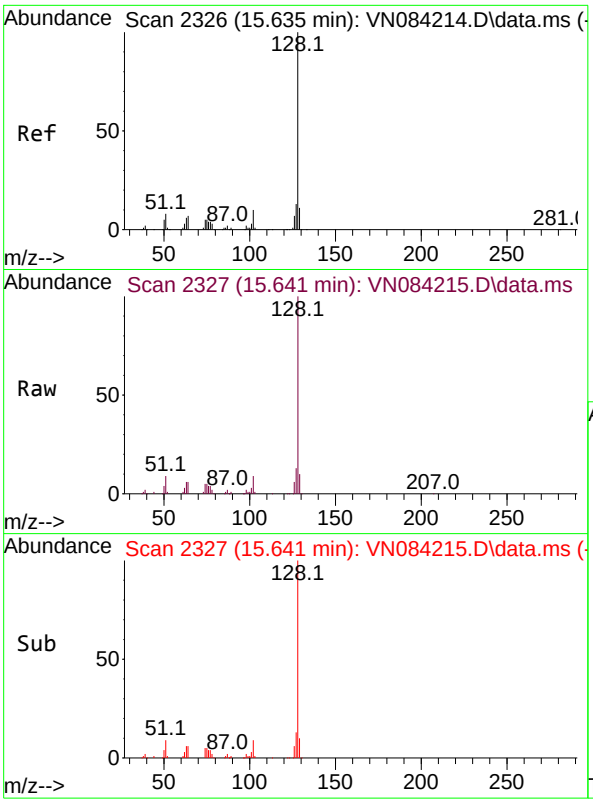


#94
Hexachlorobutadiene
Concen: 21.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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



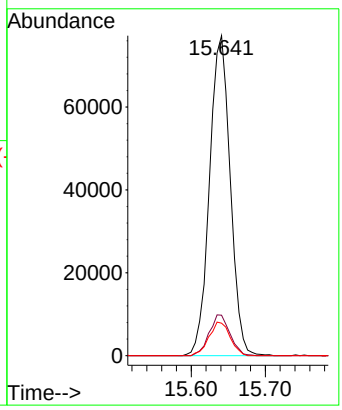


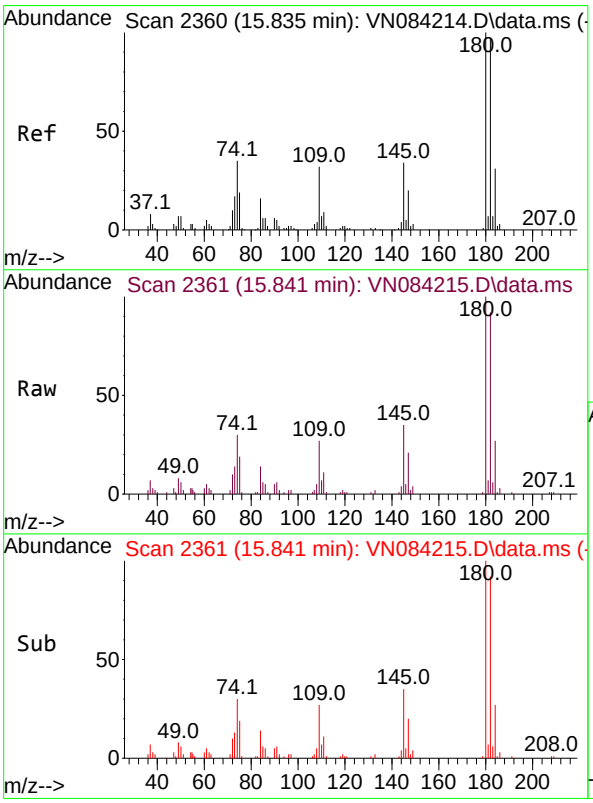
#95
Naphthalene
Concen: 21.233 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

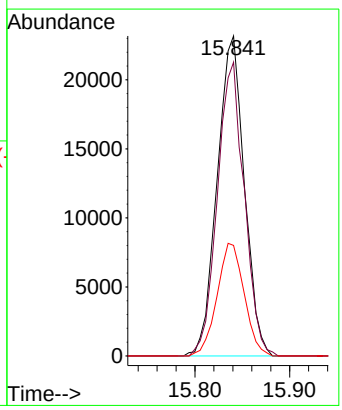




#96
1,2,3-Trichlorobenzene
Concen: 21.639 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084215.D
Acq: 30 Sep 2024 13:13

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

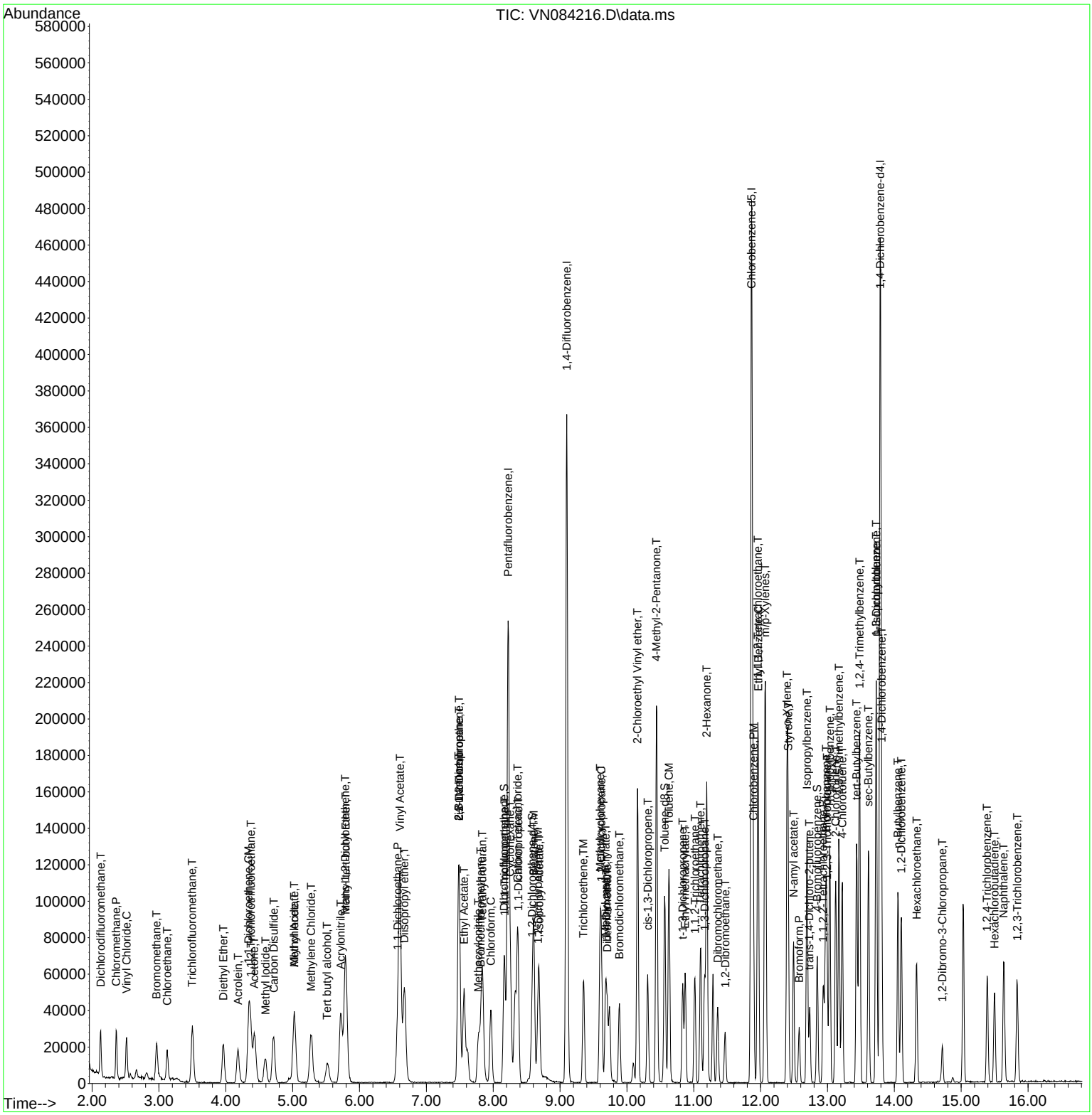
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

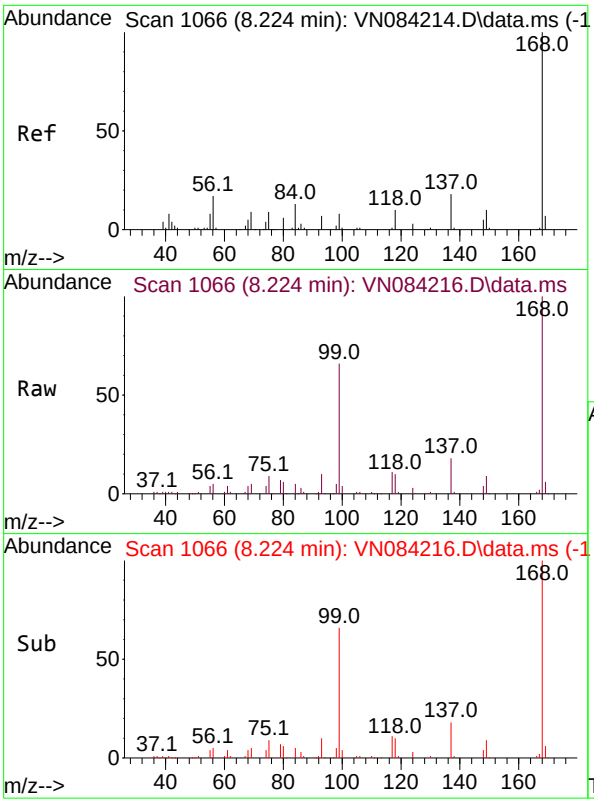
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



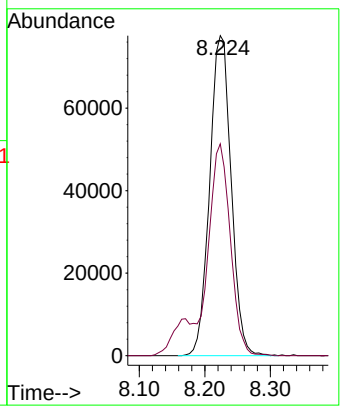


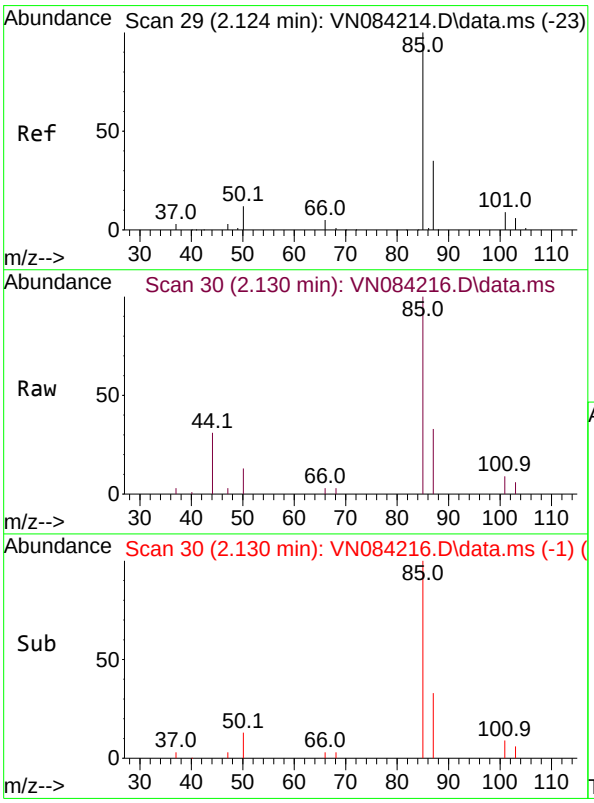
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 176243

Ion	Ratio	Lower	Upper
168	100		
99	66.2	54.2	81.2

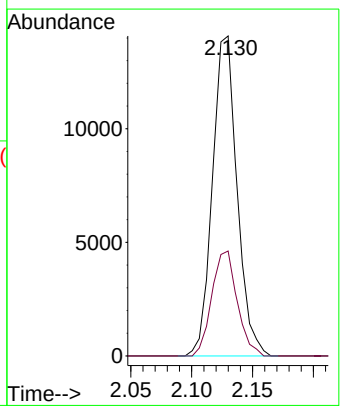


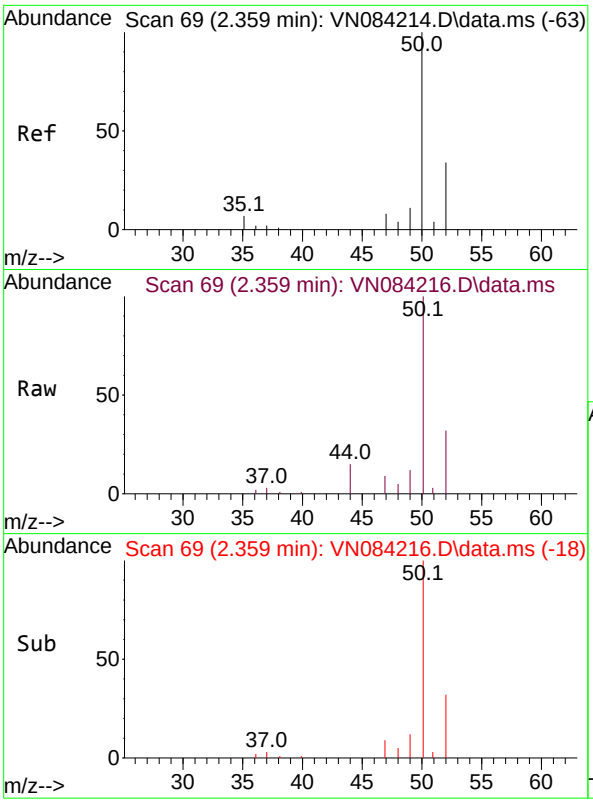


#2
Dichlorodifluoromethane
Concen: 9.501 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 85 Resp: 19806

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9



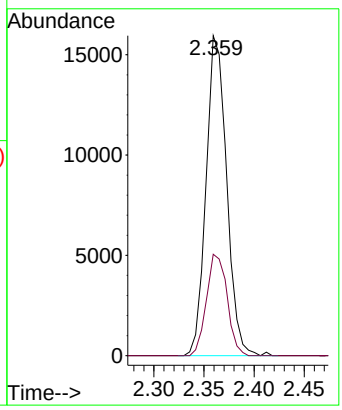


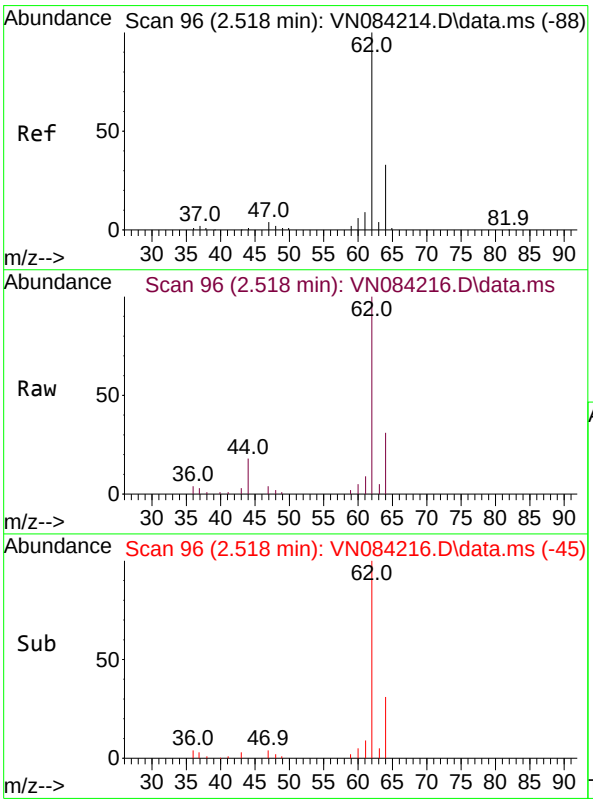
#3
Chloromethane
Concen: 9.595 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 22840

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.8	40.2

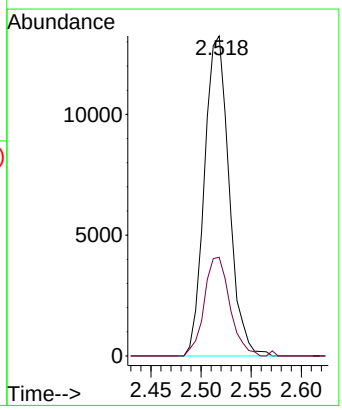


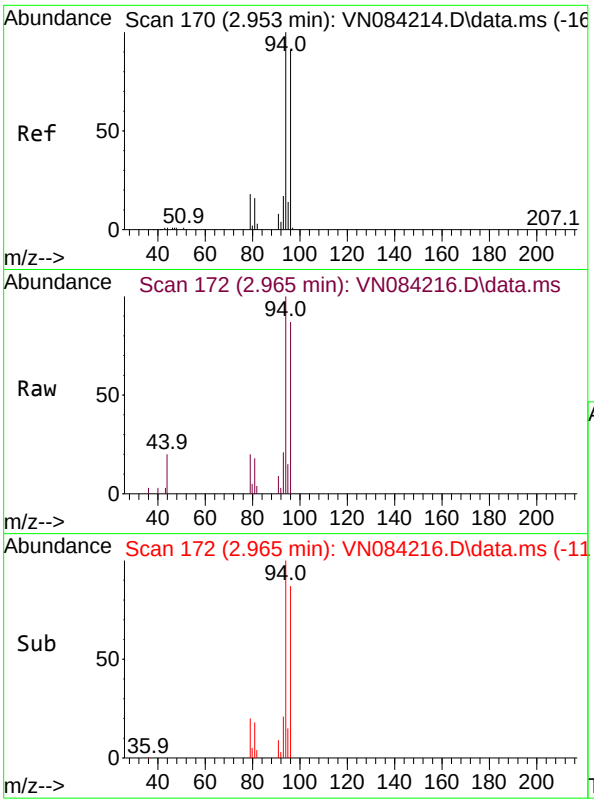


#4
Vinyl Chloride
Concen: 9.795 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 22584

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4



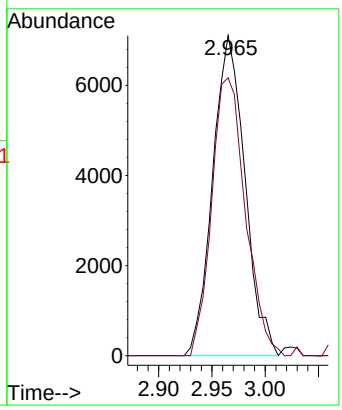


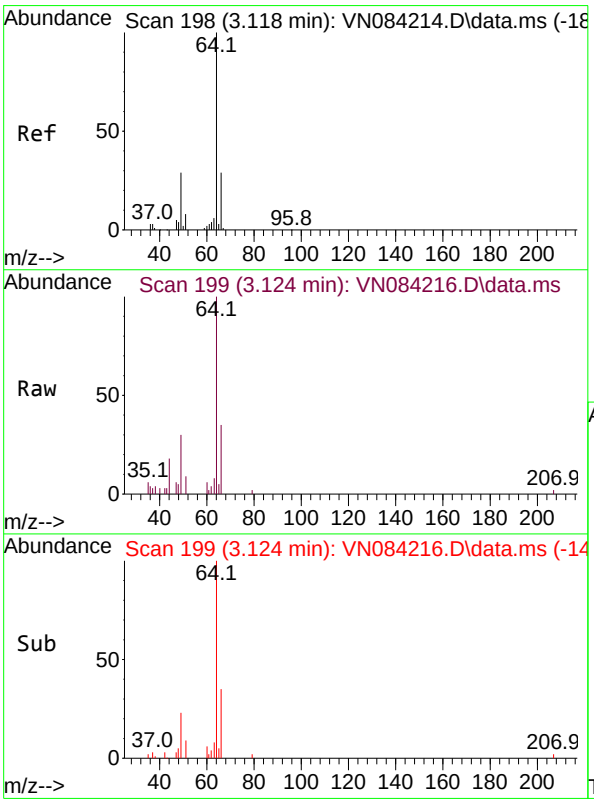
#5
Bromomethane
Concen: 9.835 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 14957

Ion	Ratio	Lower	Upper
94	100		
96	86.8	72.9	109.3

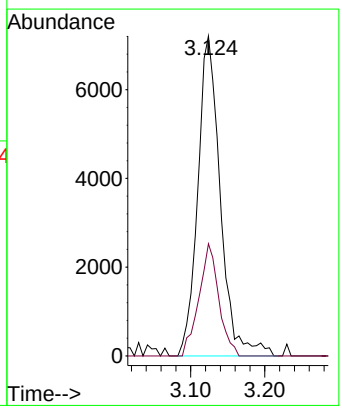


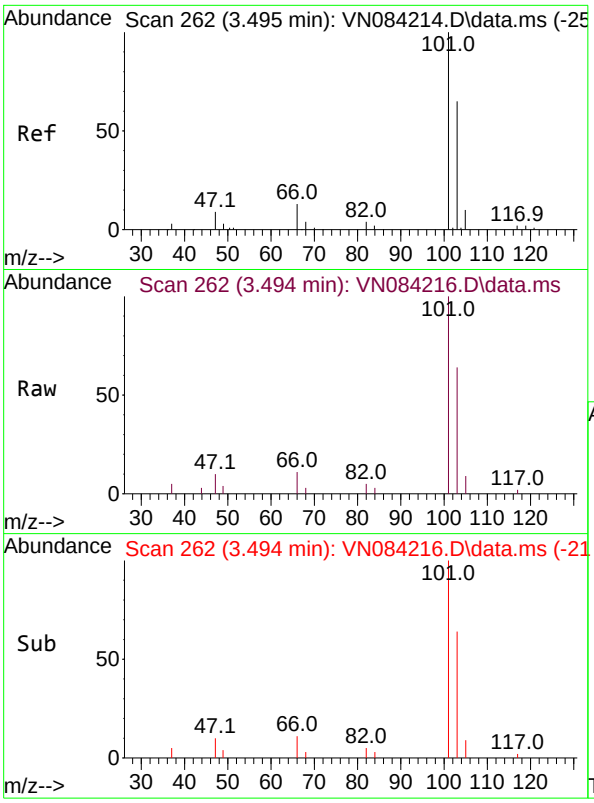


#6
Chloroethane
Concen: 9.238 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 64 Resp: 15254

Ion	Ratio	Lower	Upper
64	100		
66	35.0	23.5	35.3



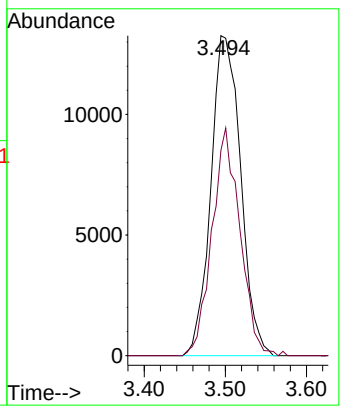


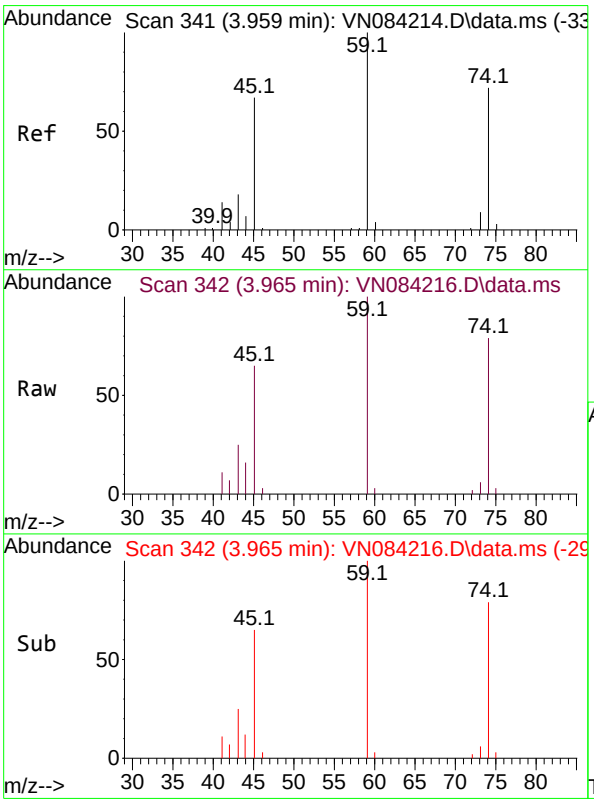
#7
Trichlorofluoromethane
Concen: 9.420 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33820

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

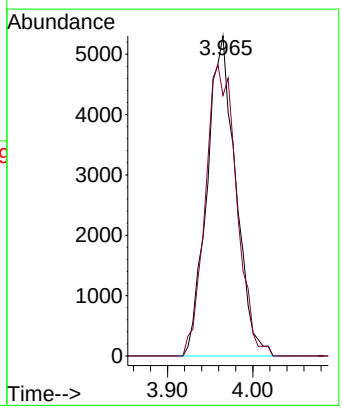


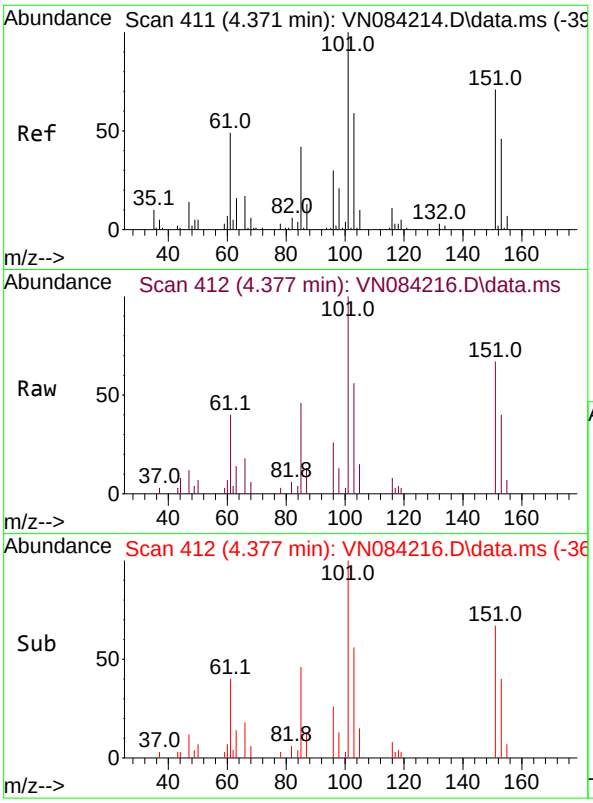


#8
Diethyl Ether
Concen: 9.328 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 74 Resp: 12422

Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.7	143.1



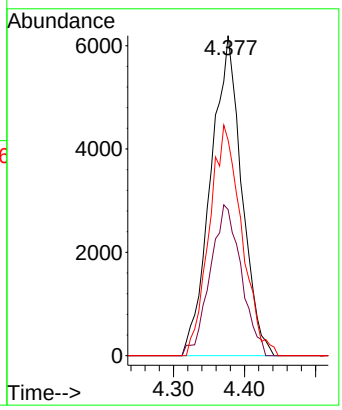


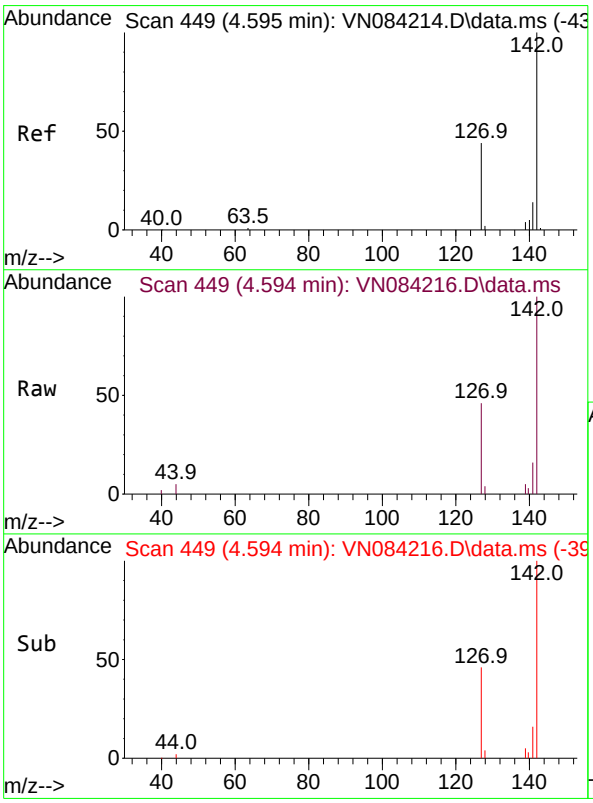
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.113 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

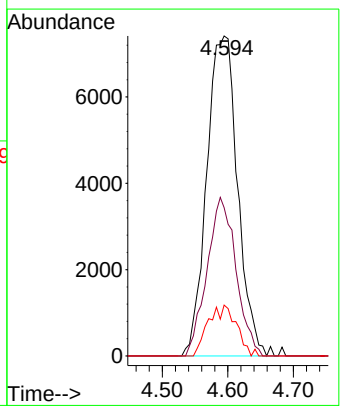


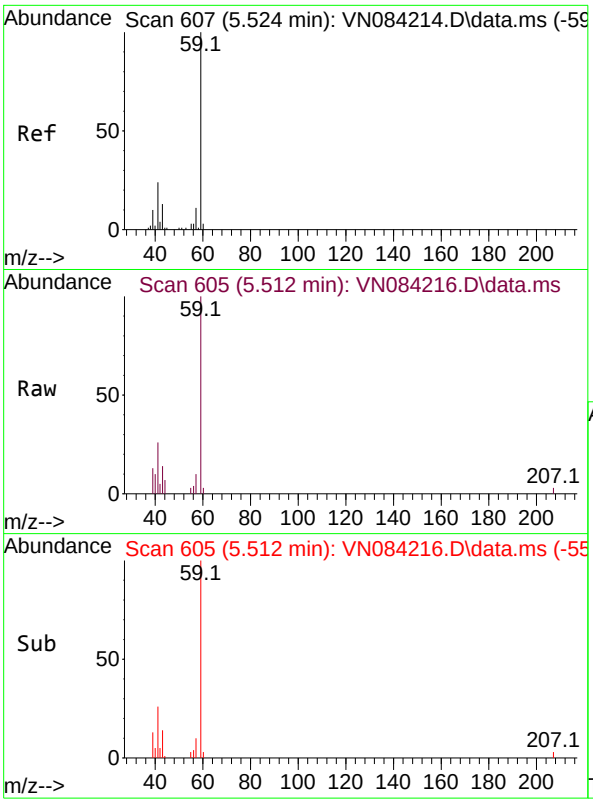


#10
Methyl Iodide
Concen: 9.160 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



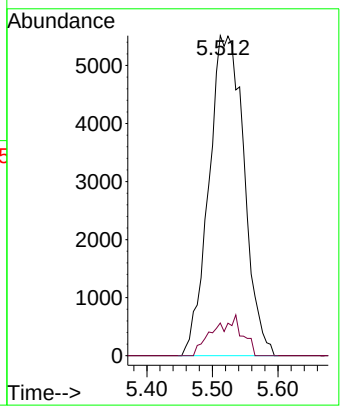


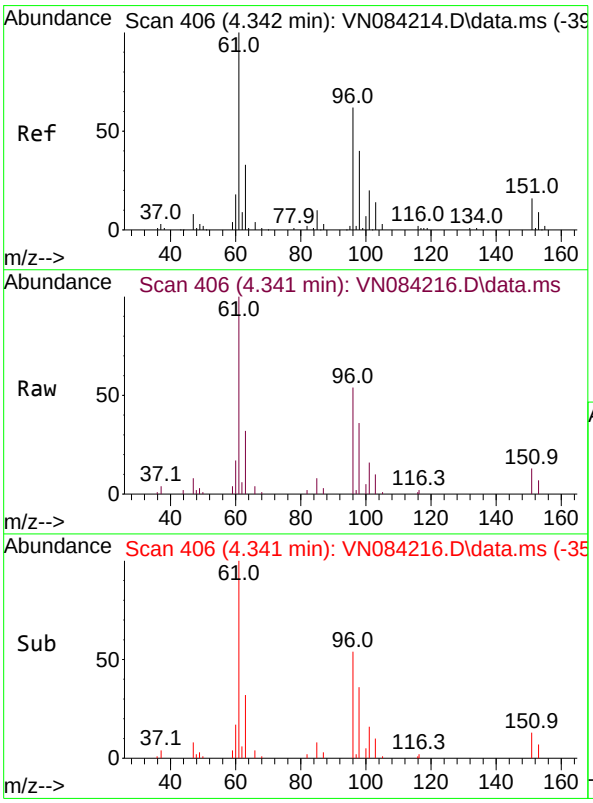
#11
Tert butyl alcohol
Concen: 47.553 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 20490

Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.2#

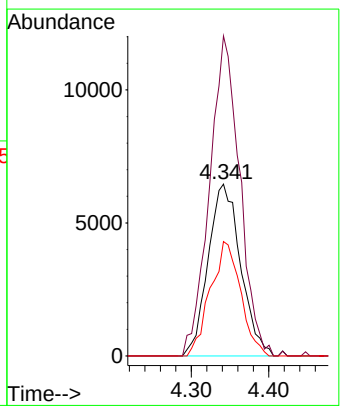


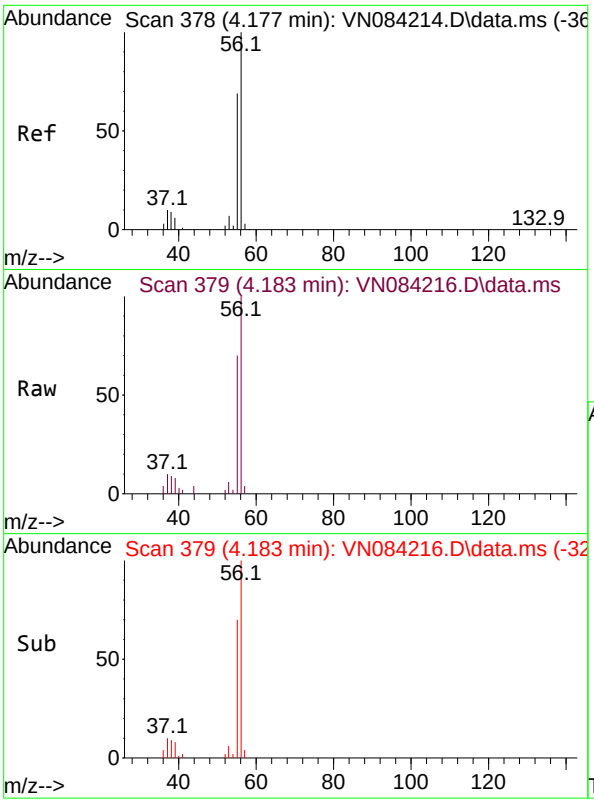


#12
1,1-Dichloroethene
Concen: 9.473 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



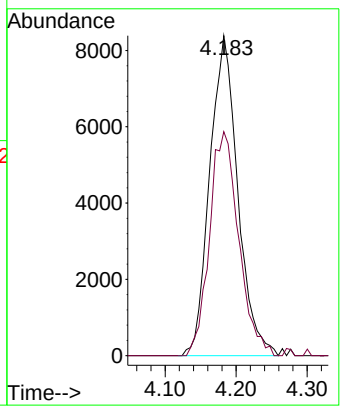


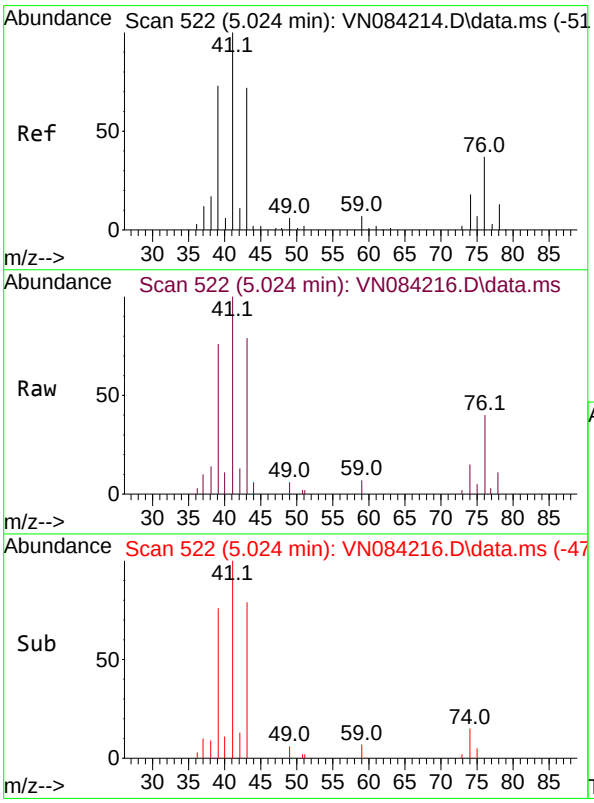
#13
Acrolein
Concen: 46.448 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 22976

Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8

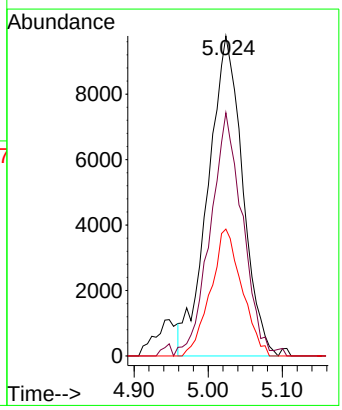


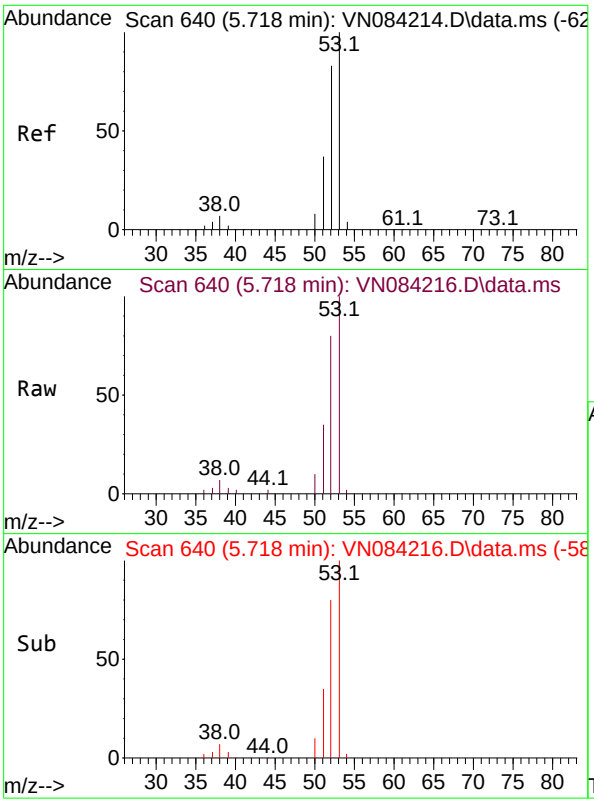


#14
Allyl chloride
Concen: 9.161 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



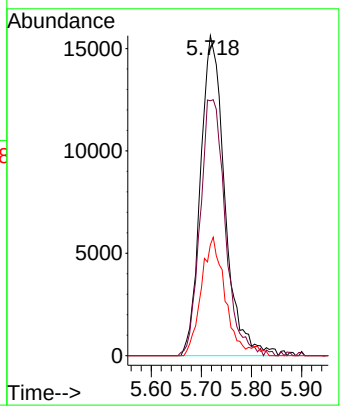


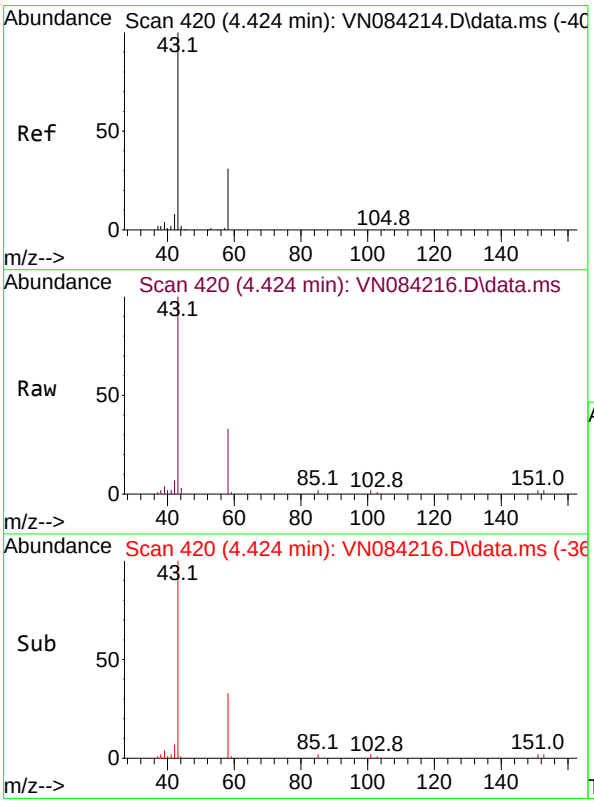
#15
Acrylonitrile
Concen: 48.533 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

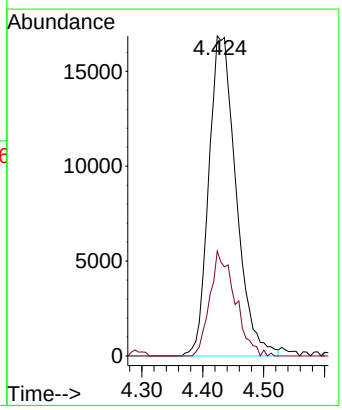


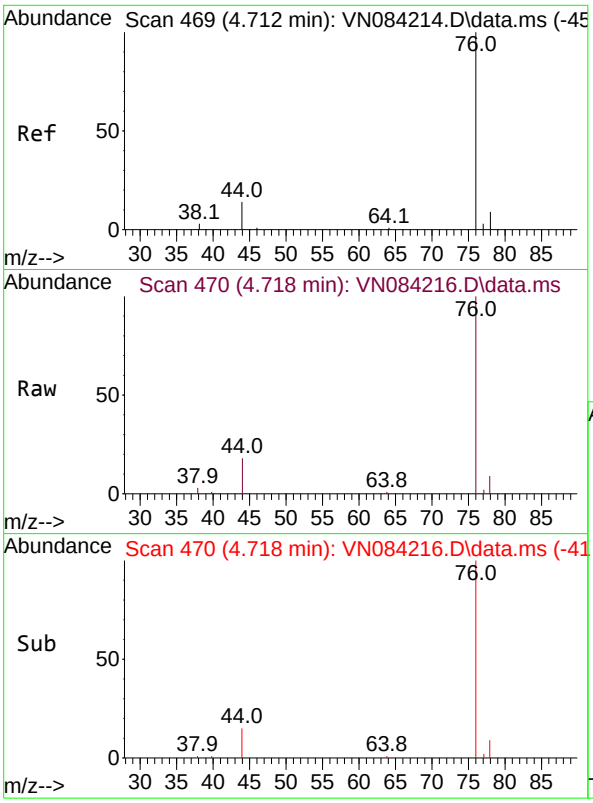


#16
Acetone
Concen: 46.785 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 52518

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6



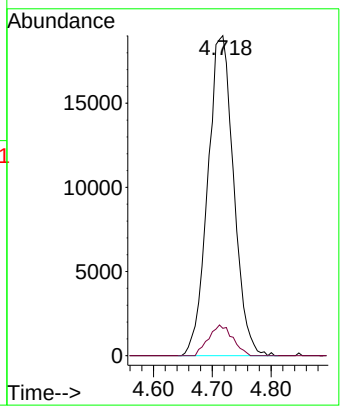


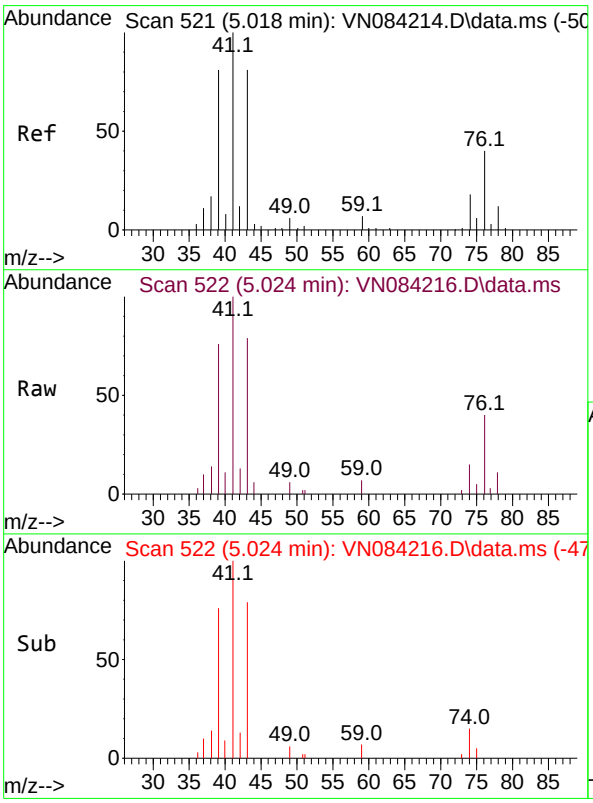
#17
Carbon Disulfide
Concen: 9.257 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 58158

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

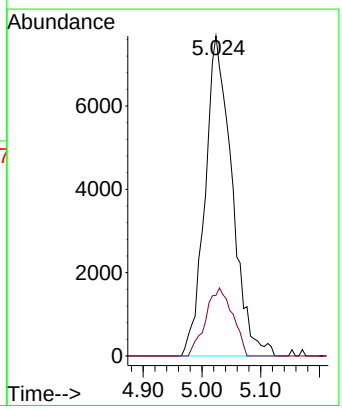


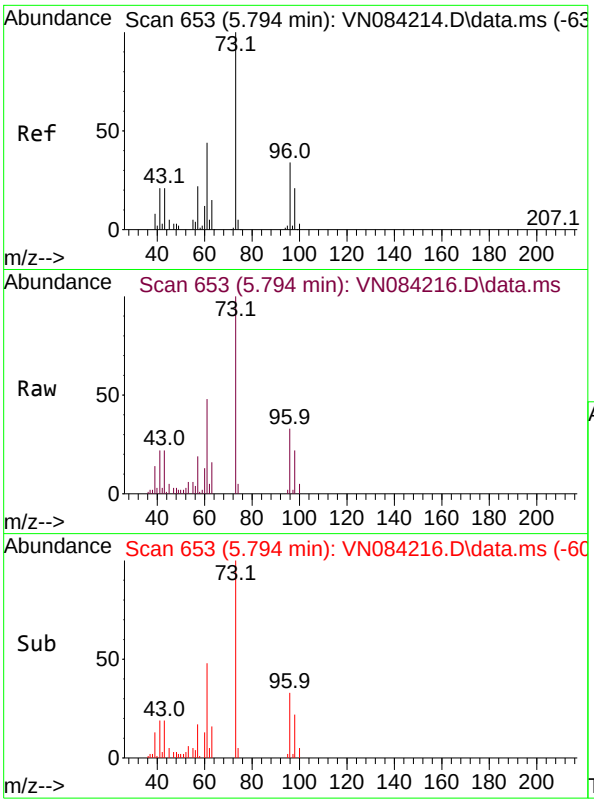


#18
Methyl Acetate
Concen: 9.959 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 43 Resp: 24366

Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.2	28.8



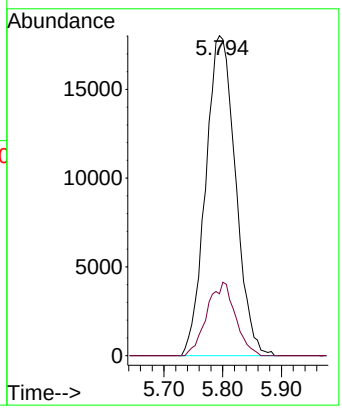


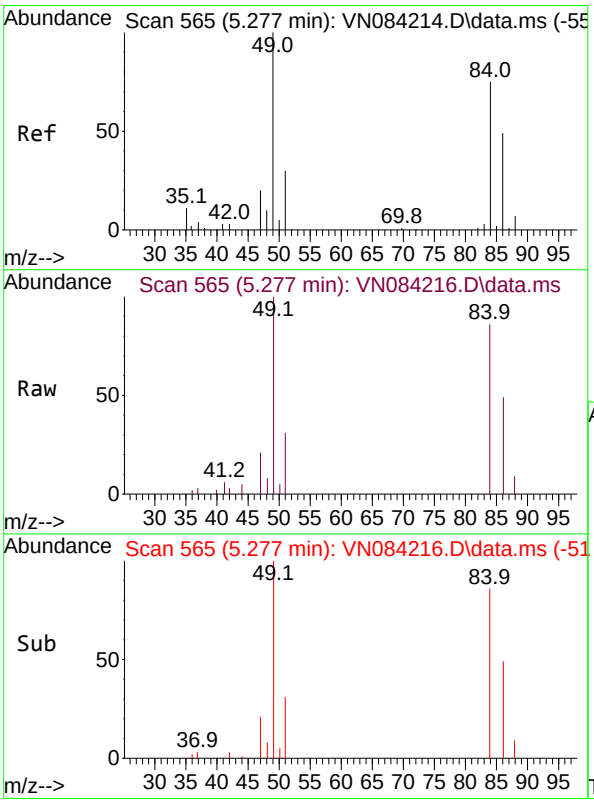
#19
Methyl tert-butyl Ether
Concen: 9.486 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 63531

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.7	26.5

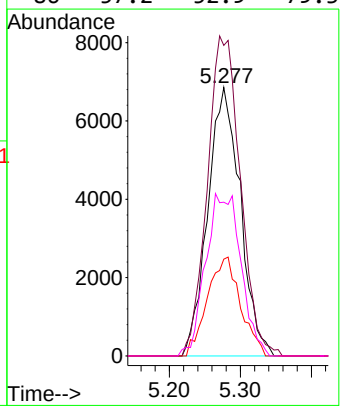


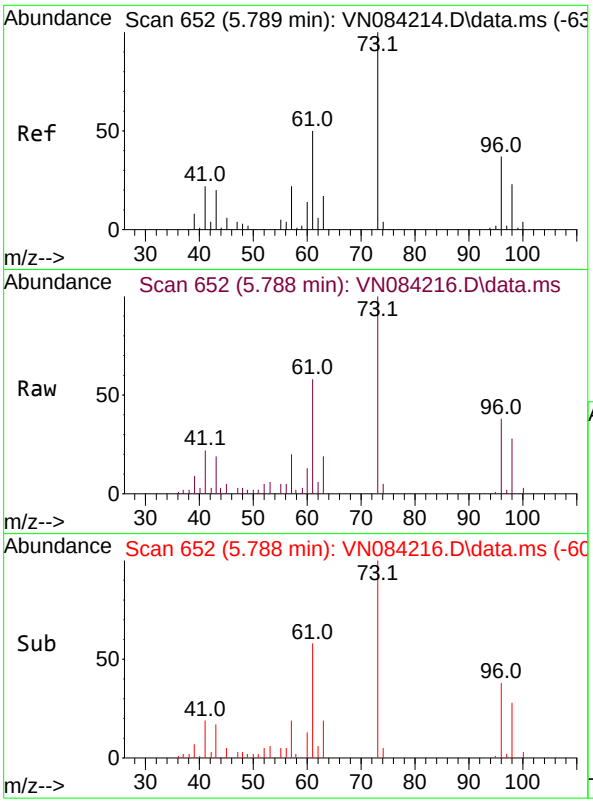


#20
Methylene Chloride
Concen: 9.554 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



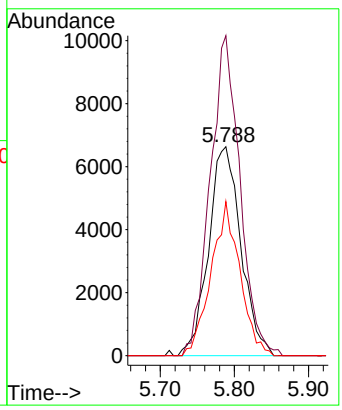


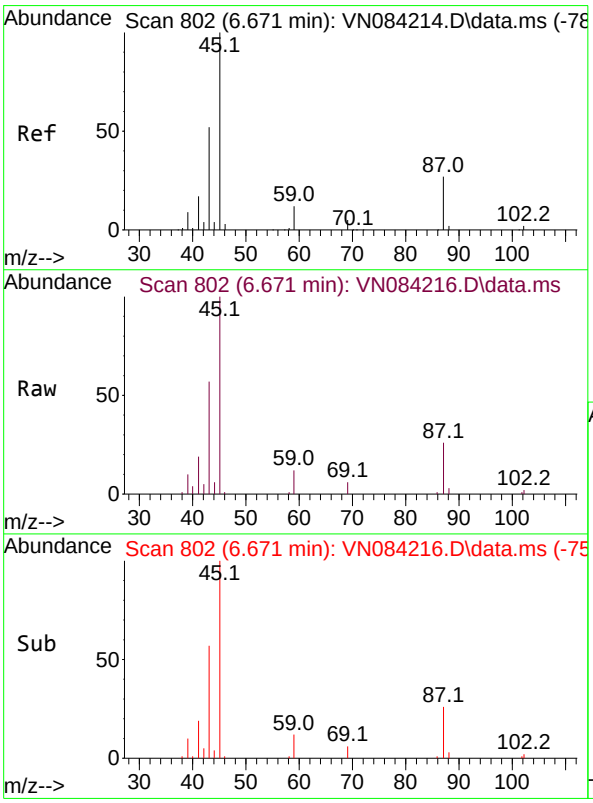
#21
trans-1,2-Dichloroethene
Concen: 9.672 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

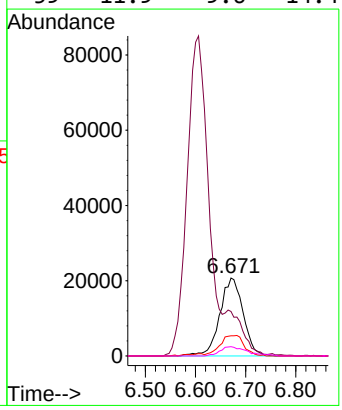


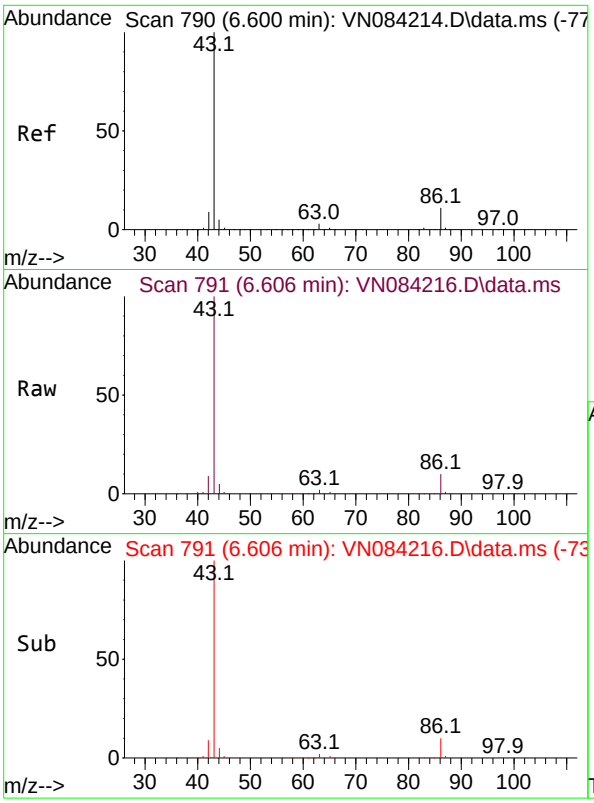


#22
Diisopropyl ether
Concen: 9.393 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



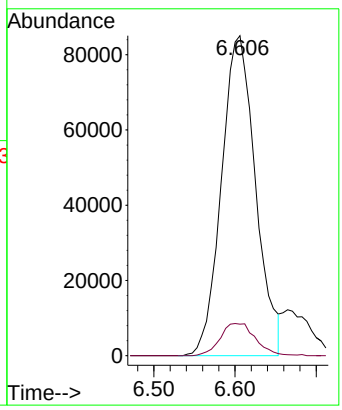


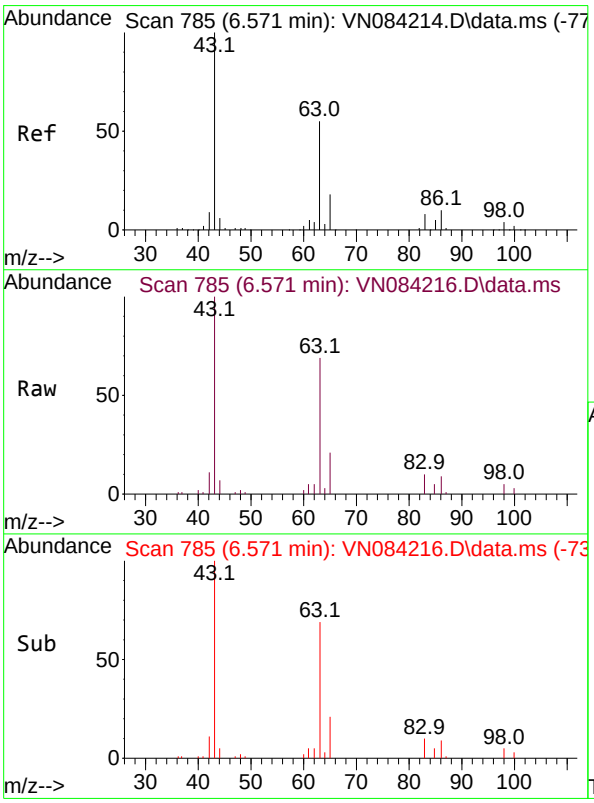
#23
Vinyl Acetate
Concen: 46.769 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 248594

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8

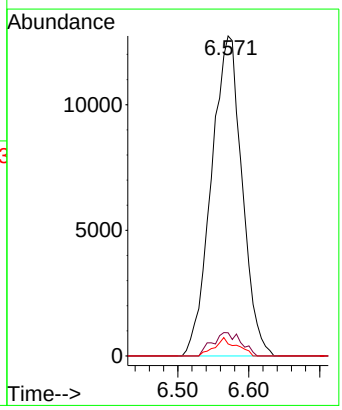


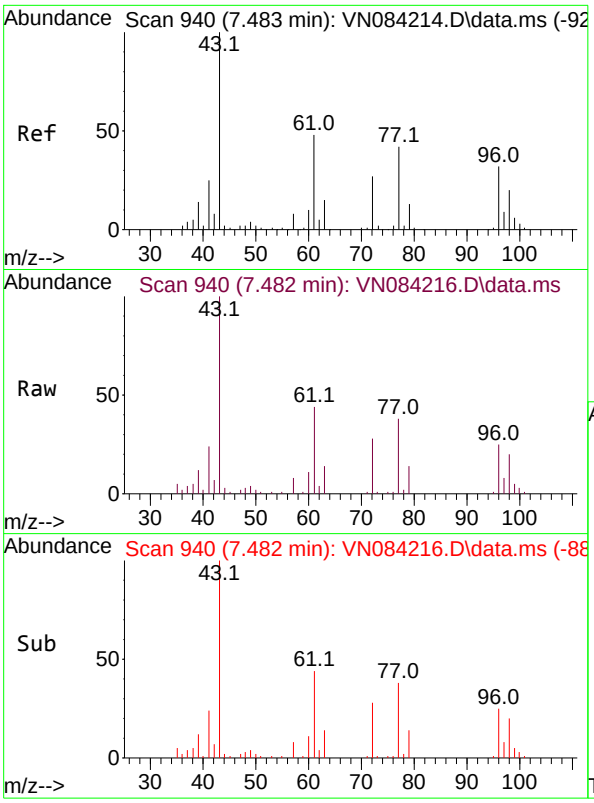


#24
1,1-Dichloroethane
Concen: 9.586 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



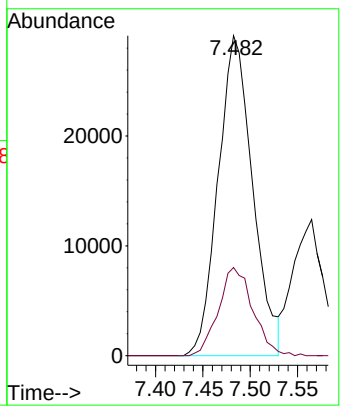


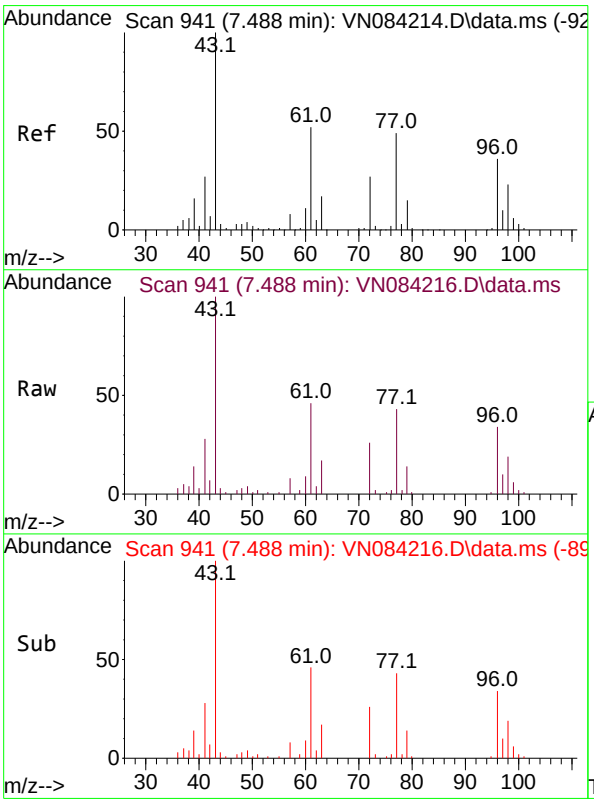
#25
2-Butanone
Concen: 48.320 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 73877

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2

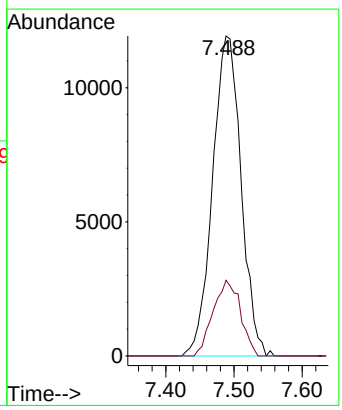


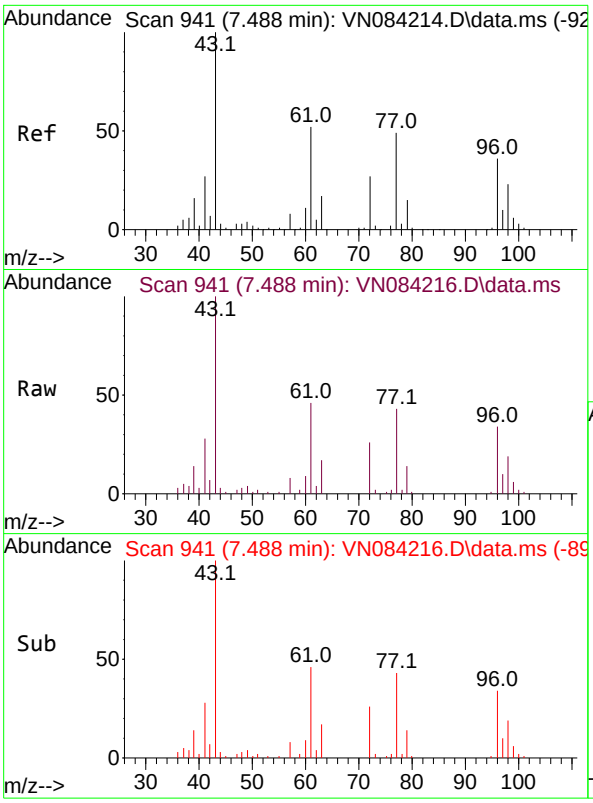


#26
2,2-Dichloropropane
Concen: 9.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 77 Resp: 34655

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.8	32.3



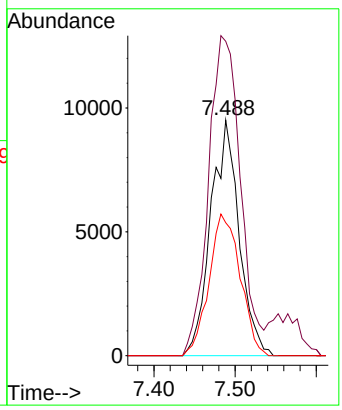


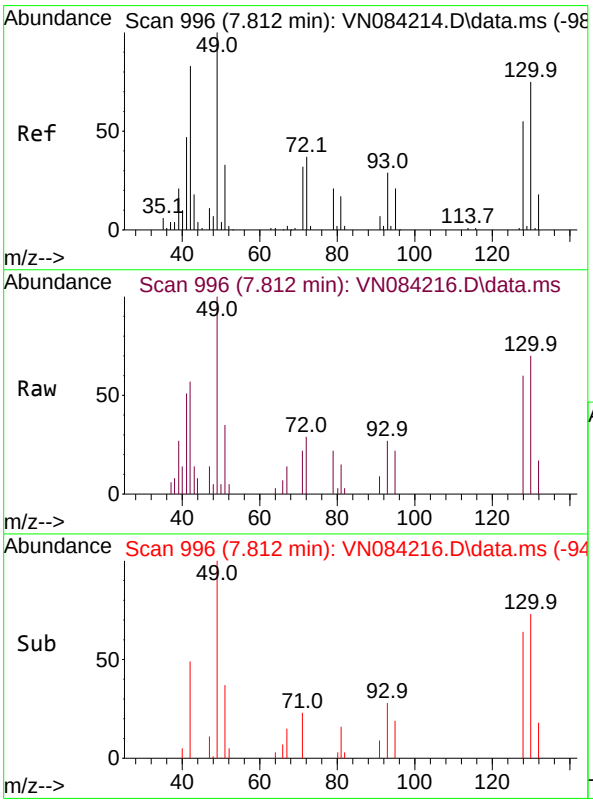
#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

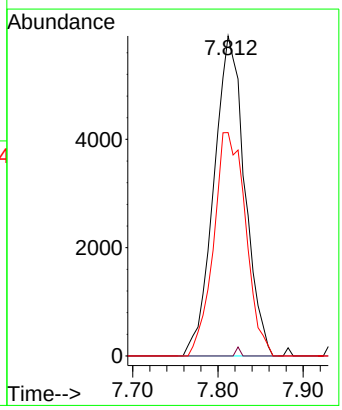


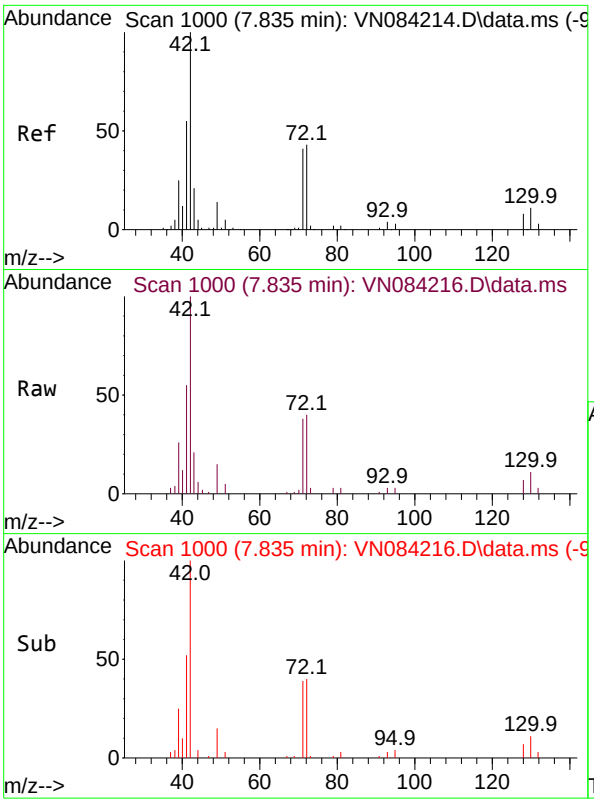


#28
Bromochloromethane
Concen: 8.379 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



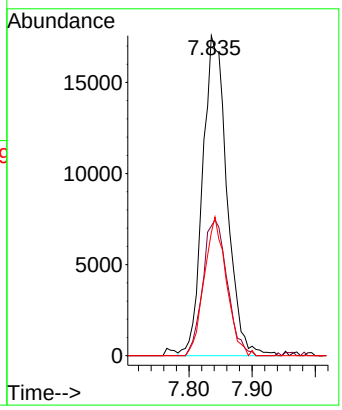


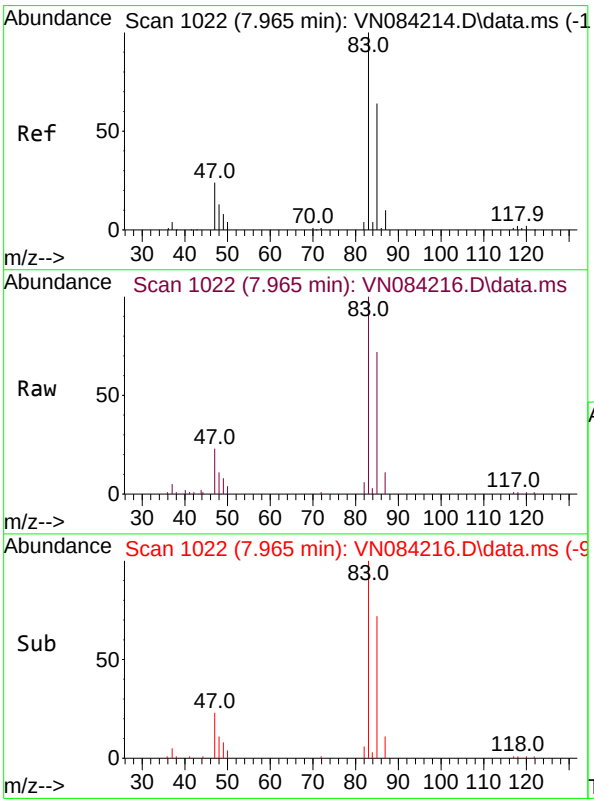
#29
Tetrahydrofuran
Concen: 49.725 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

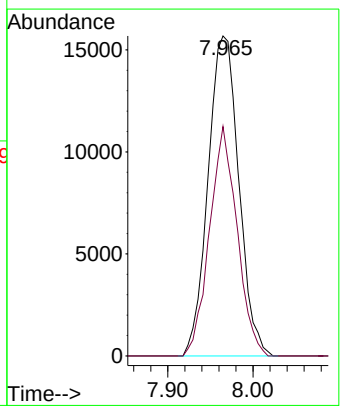


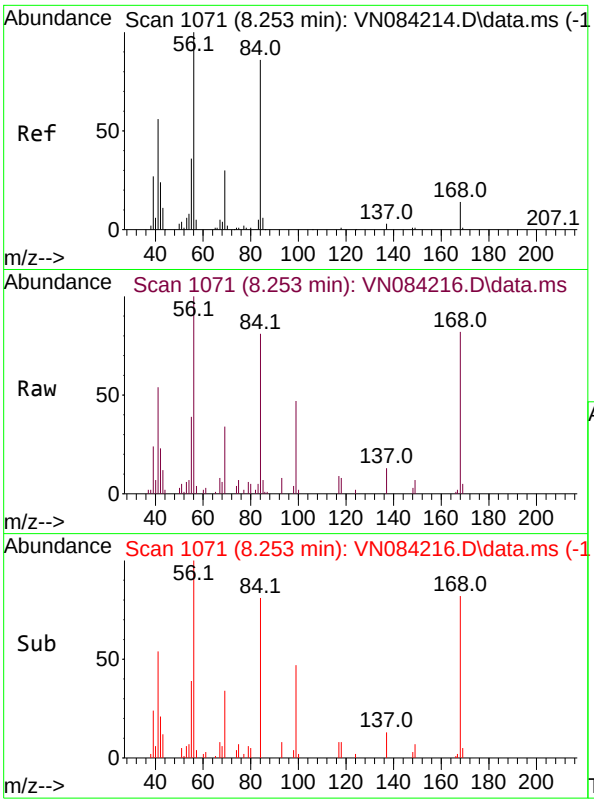


#30
Chloroform
Concen: 9.504 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 83 Resp: 39355

Ion	Ratio	Lower	Upper
83	100		
85	71.7	51.0	76.4



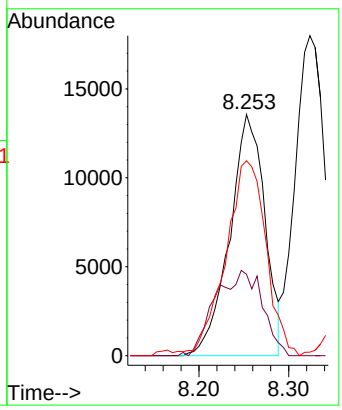


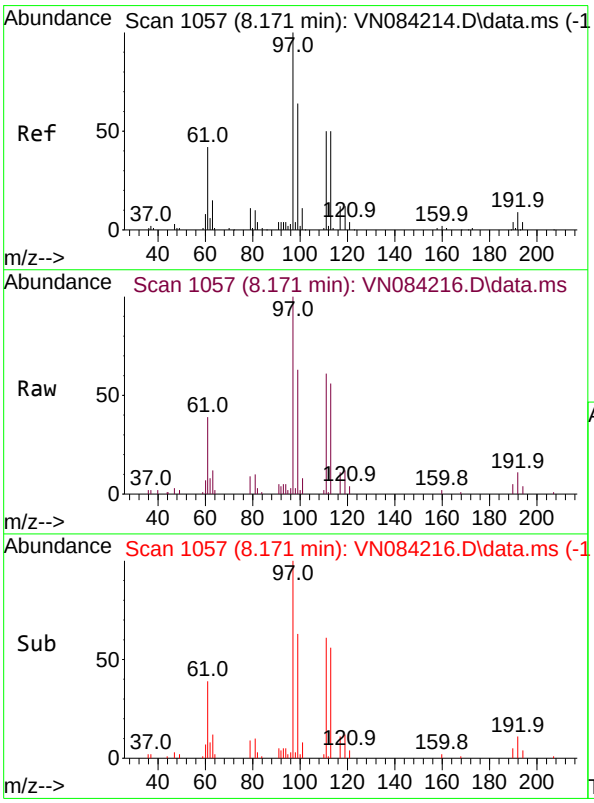
#31
Cyclohexane
Concen: 9.538 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

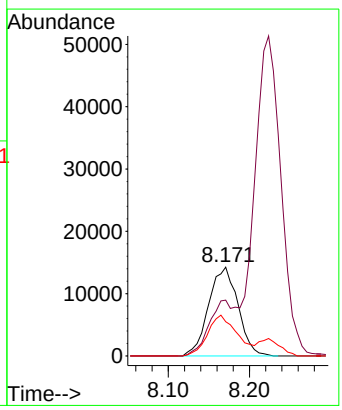


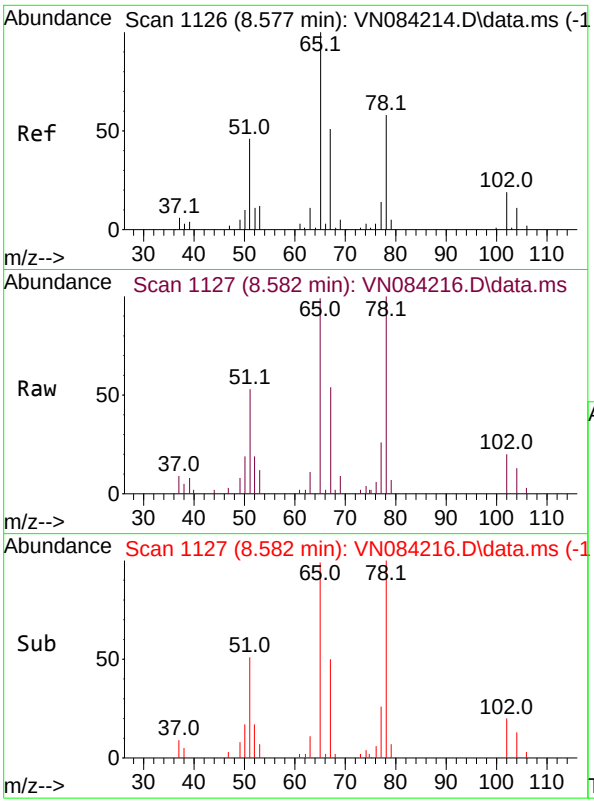


#32
1,1,1-Trichloroethane
Concen: 9.645 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



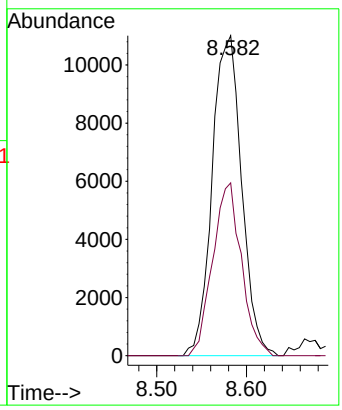


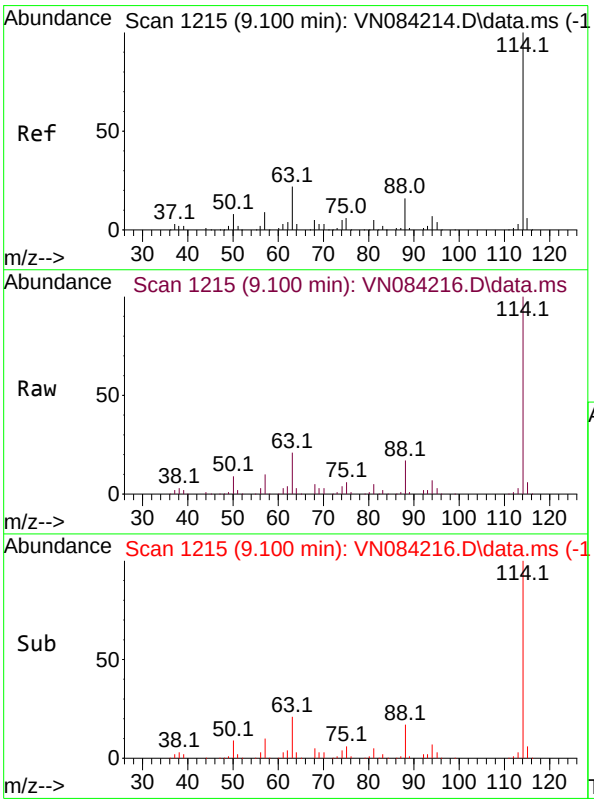
#33
1,2-Dichloroethane-d4
Concen: 9.599 ug/l
RT: 8.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25083

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0

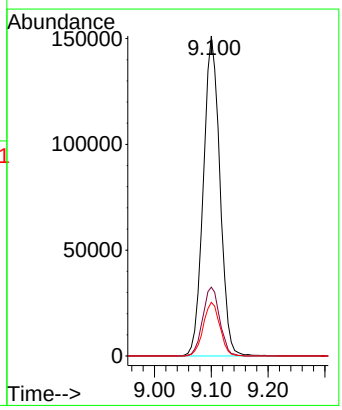


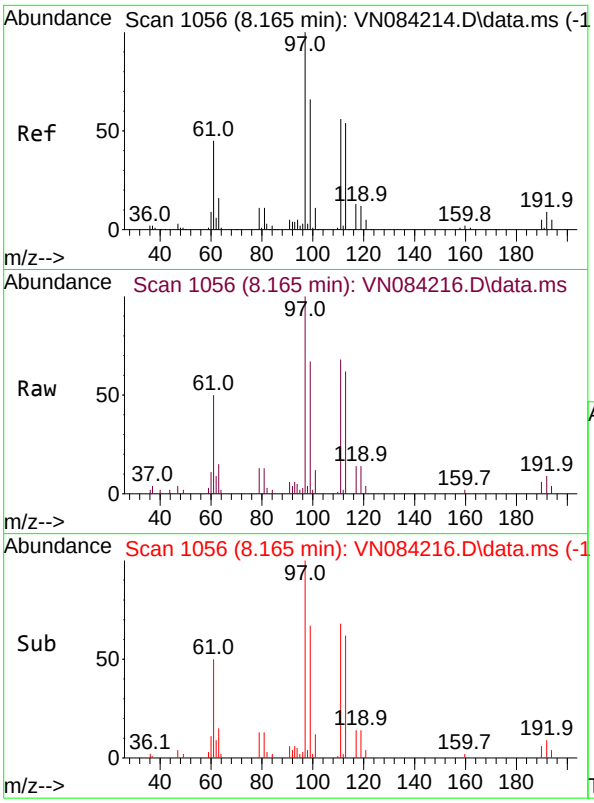


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



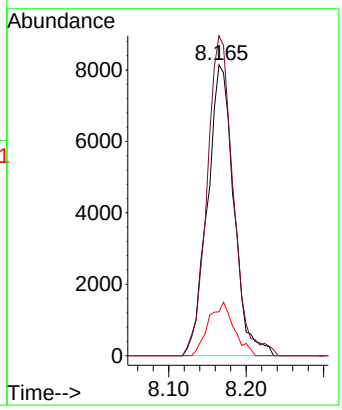


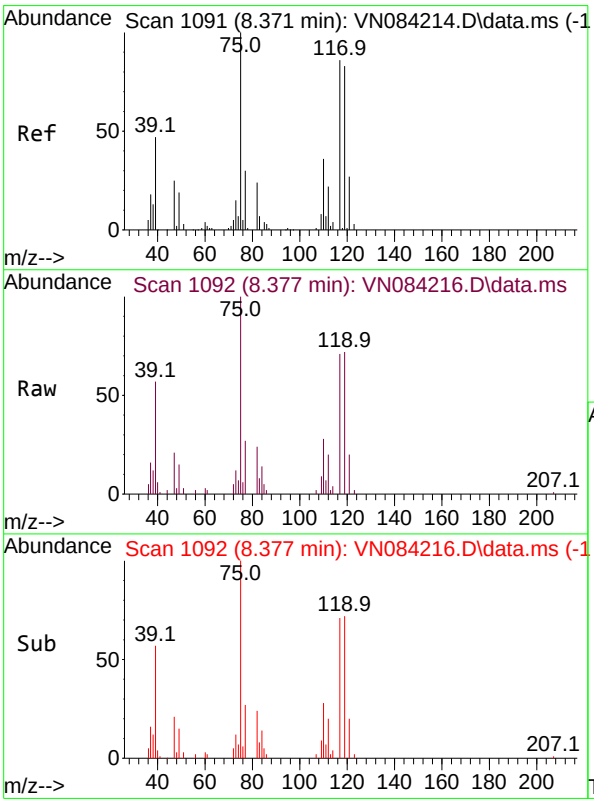
#35
Dibromofluoromethane
Concen: 9.594 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

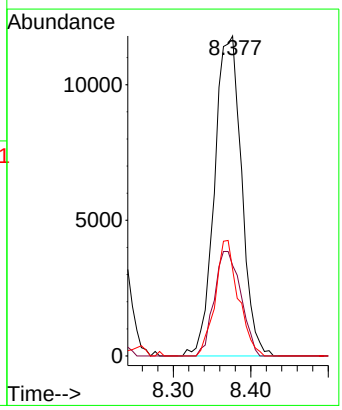


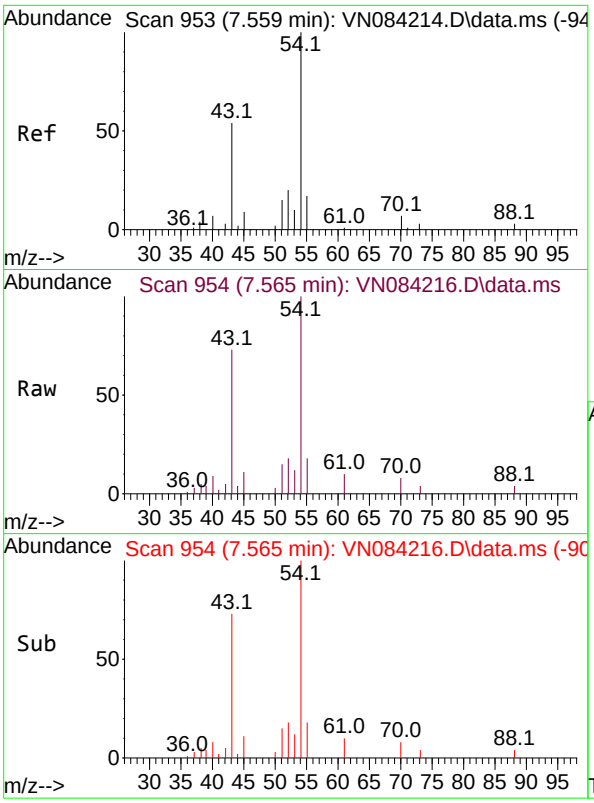


#36
1,1-Dichloropropene
Concen: 9.767 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



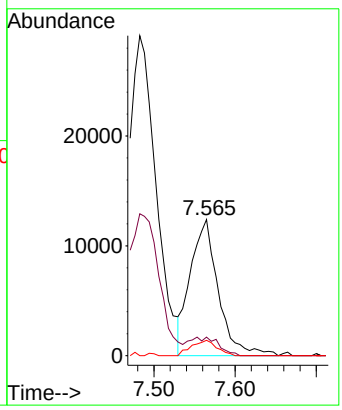


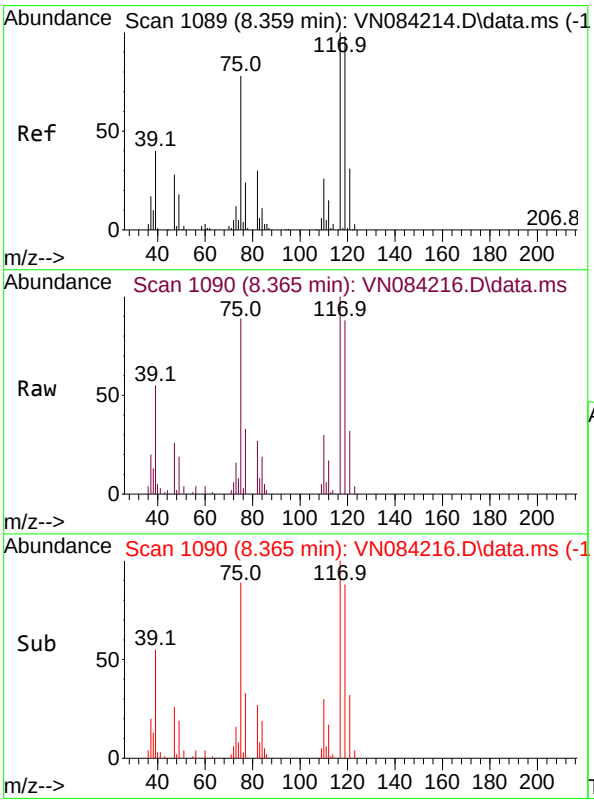
#37
Ethyl Acetate
Concen: 9.931 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

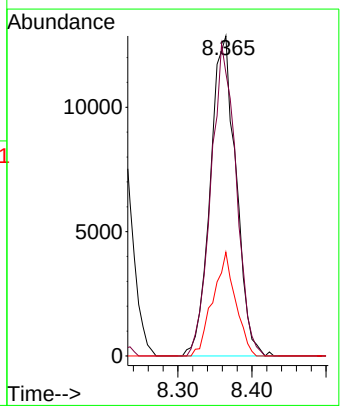


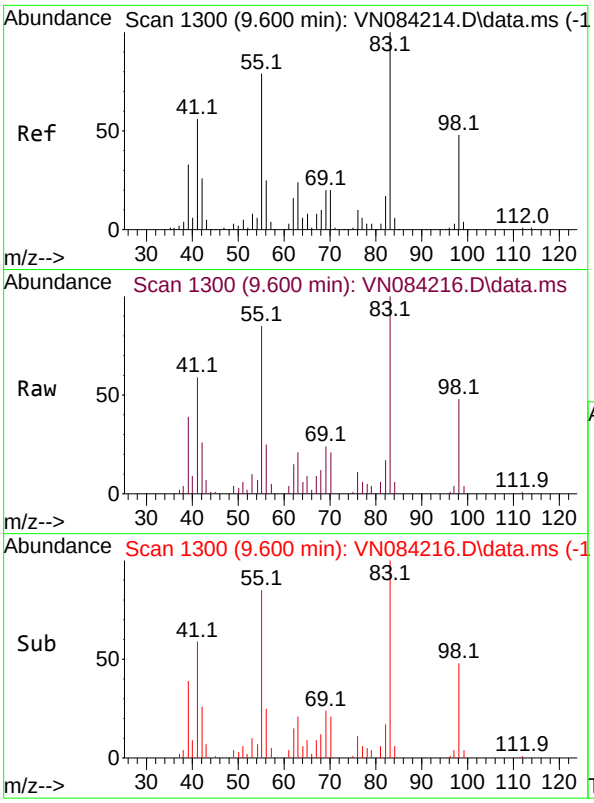


#38
Carbon Tetrachloride
Concen: 9.665 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



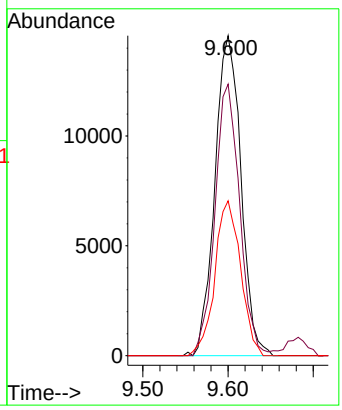


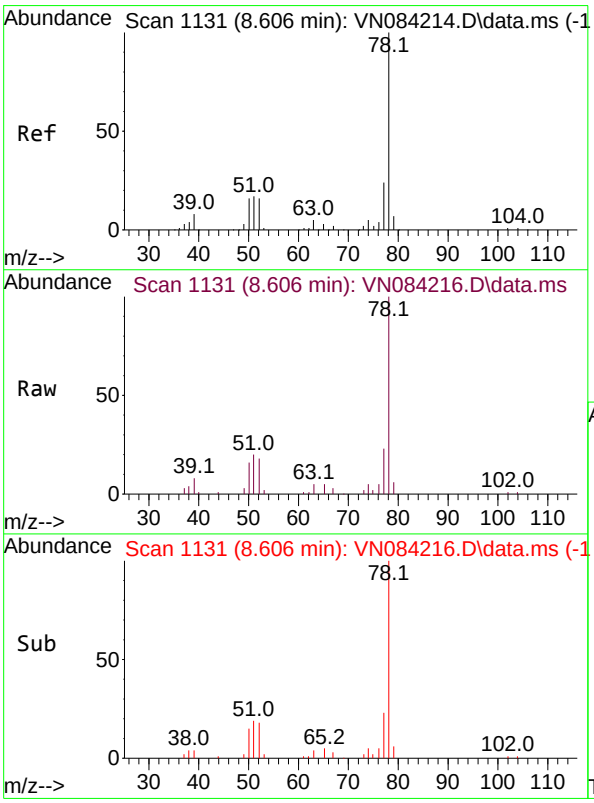
#39
Methylcyclohexane
Concen: 9.516 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

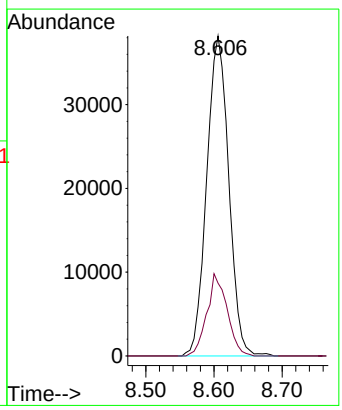


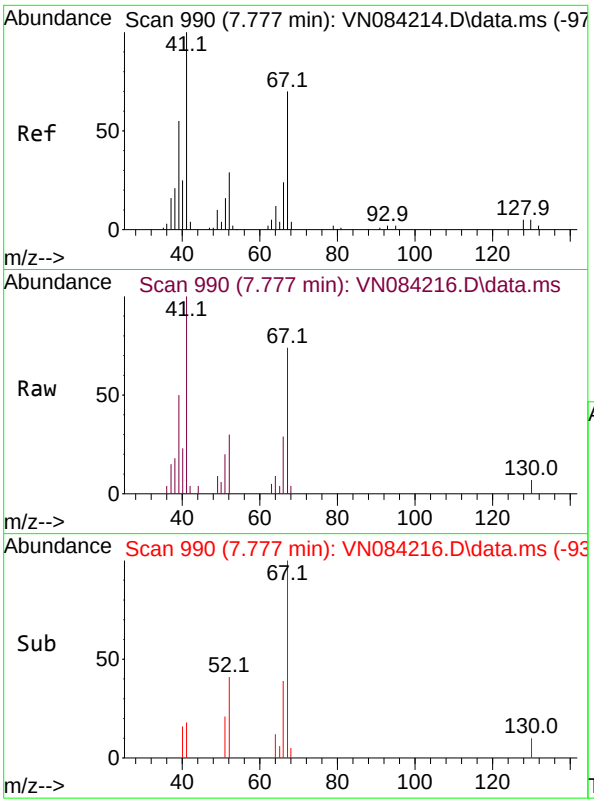


#40
Benzene
Concen: 9.454 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 78 Resp: 86029

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7



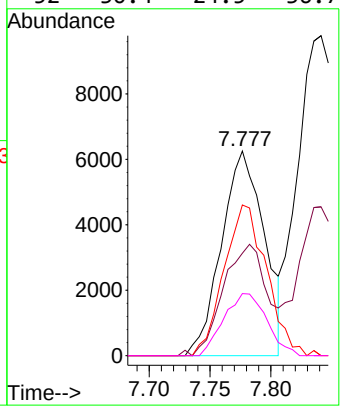


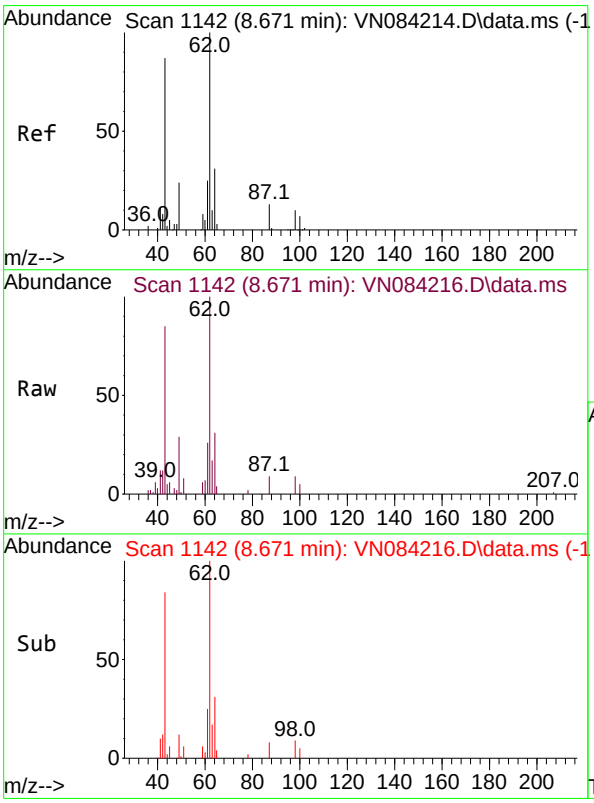
#41
Methacrylonitrile
Concen: 9.426 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

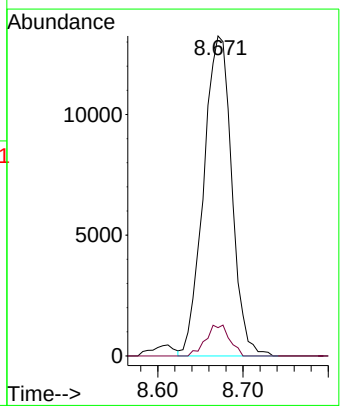


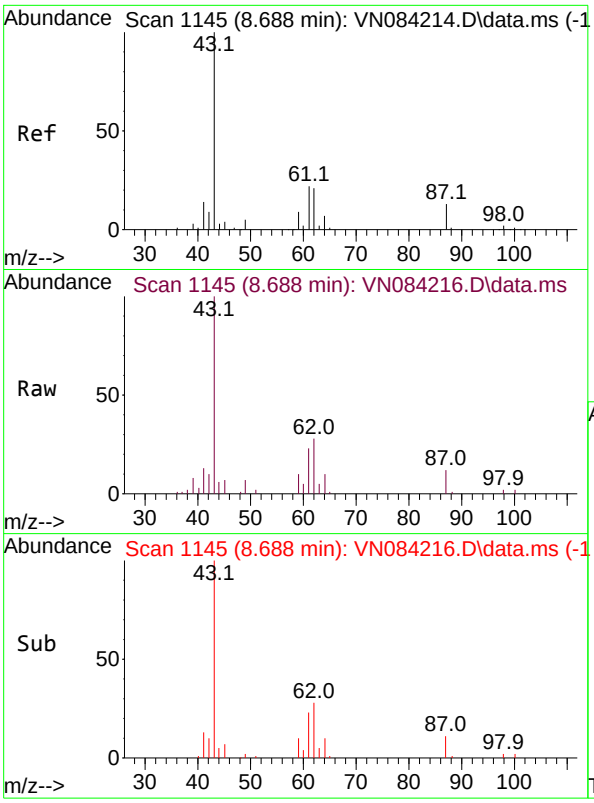


#42
1,2-Dichloroethane
Concen: 9.855 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 62 Resp: 30402

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2



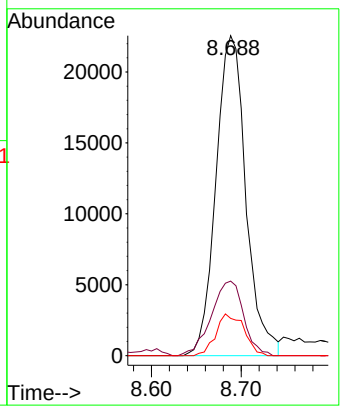


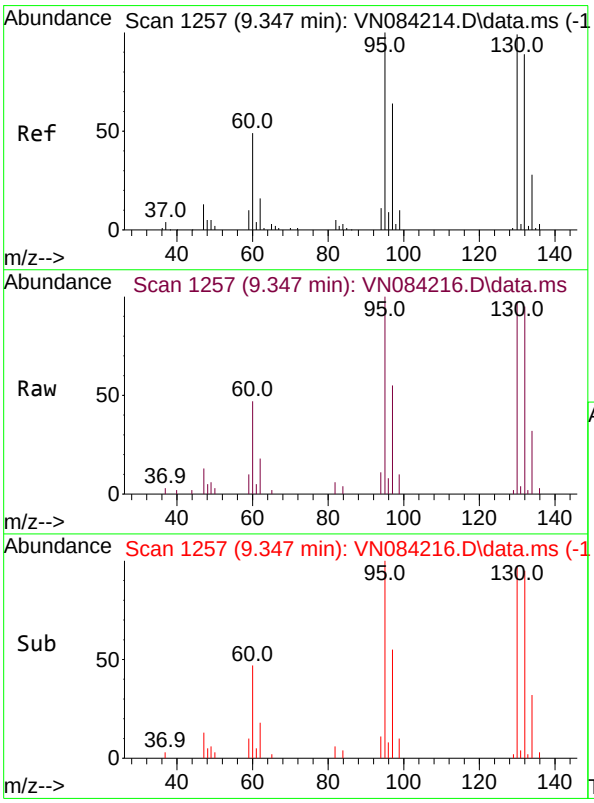
#43
Isopropyl Acetate
Concen: 8.906 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

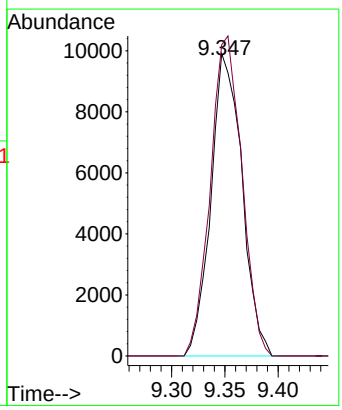


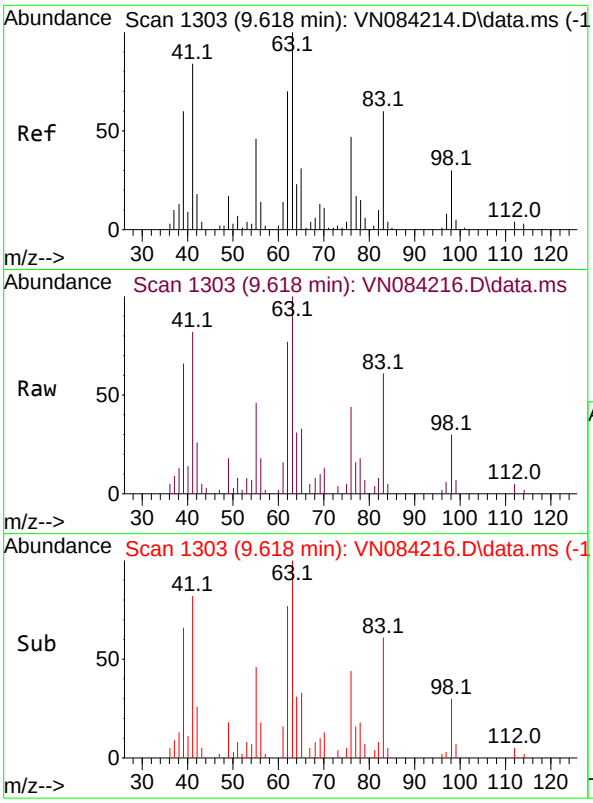


#44
Trichloroethene
Concen: 9.454 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:130 Resp: 20092

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.0



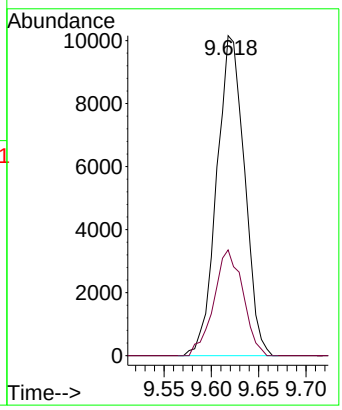


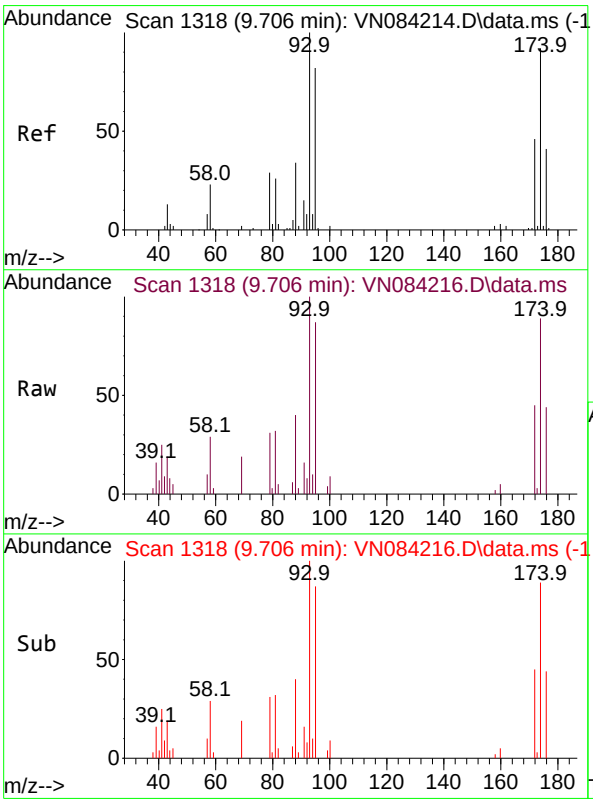
#45
1,2-Dichloropropane
Concen: 9.618 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 20703

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

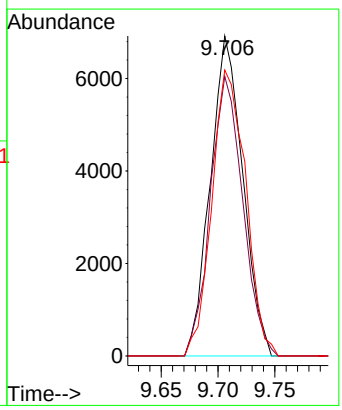


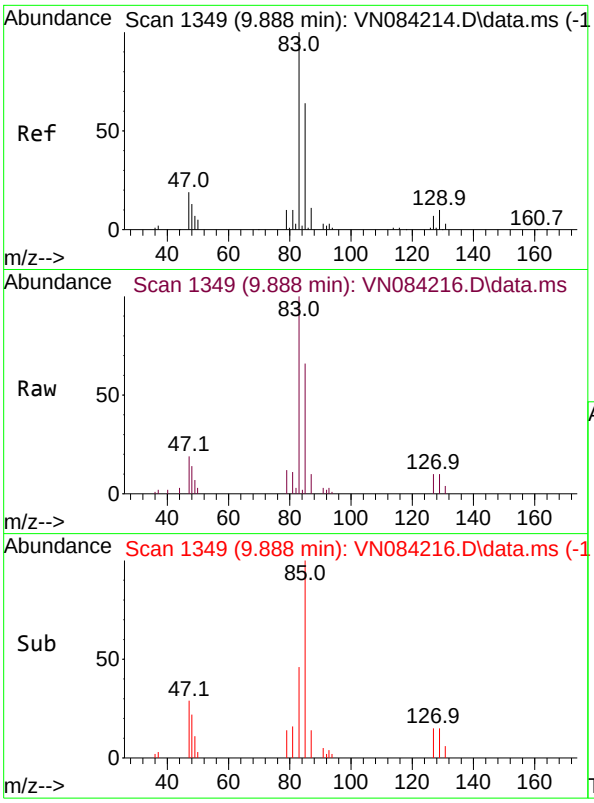


#46
Dibromomethane
Concen: 9.479 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



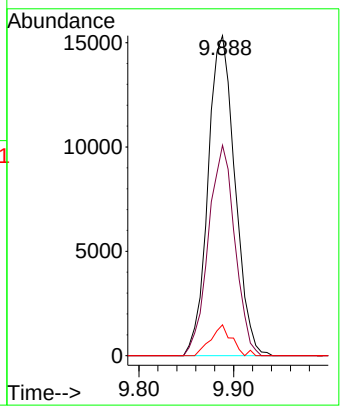


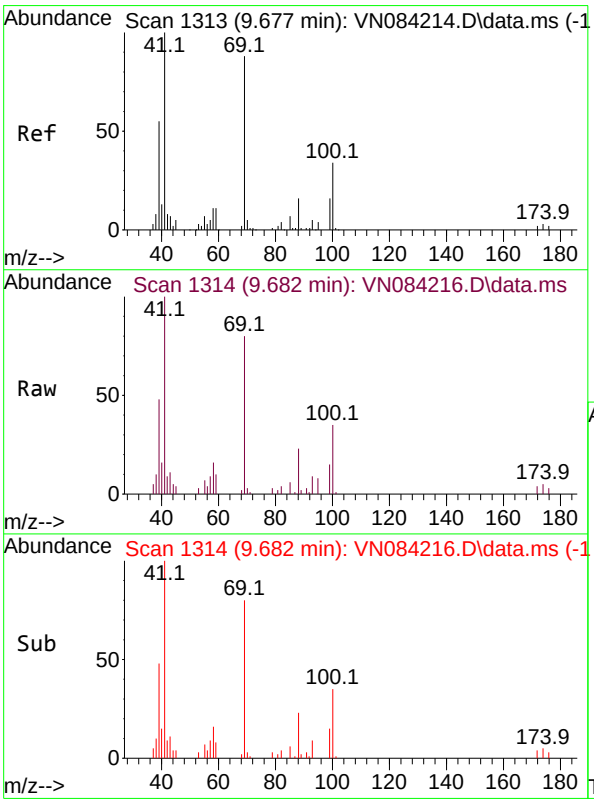
#47
Bromodichloromethane
Concen: 9.385 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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#

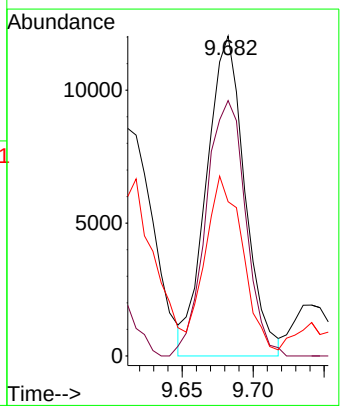


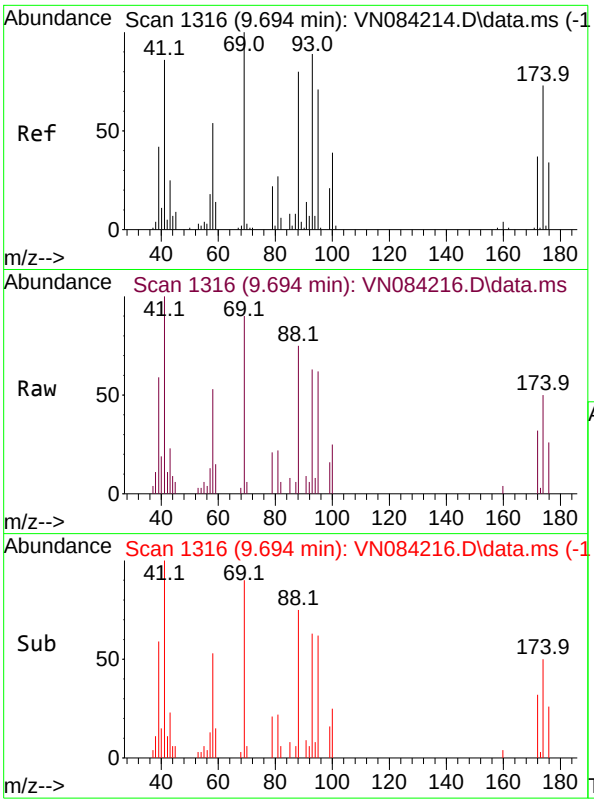


#48
Methyl methacrylate
Concen: 9.679 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



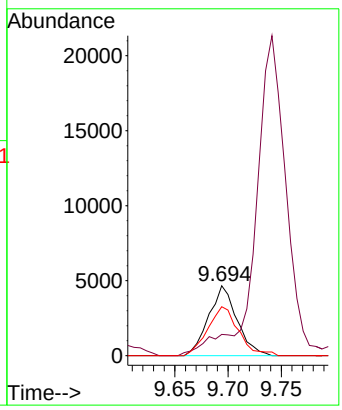


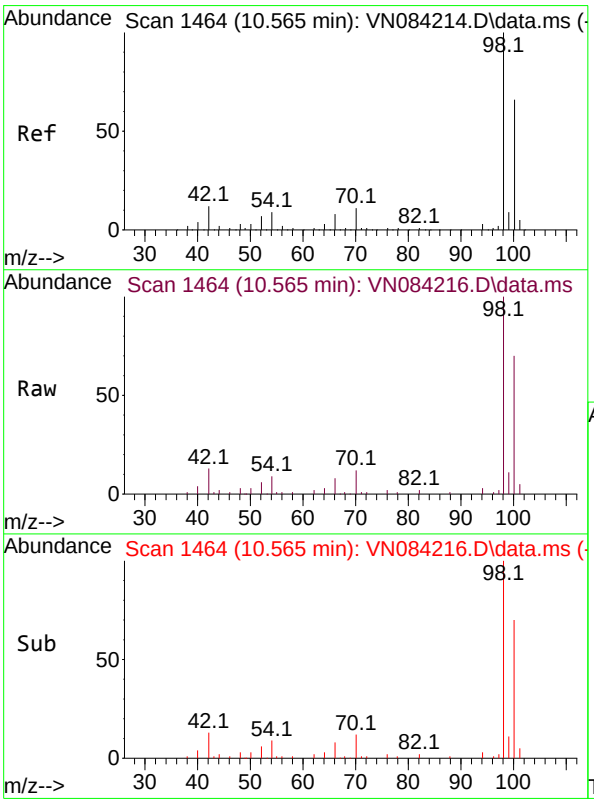
#49
1,4-Dioxane
Concen: 200.587 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

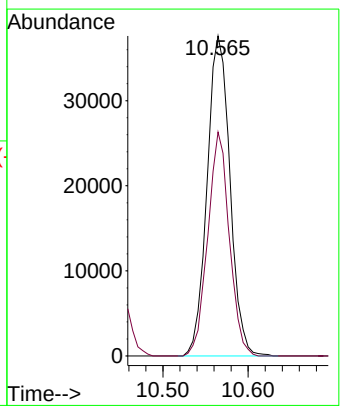


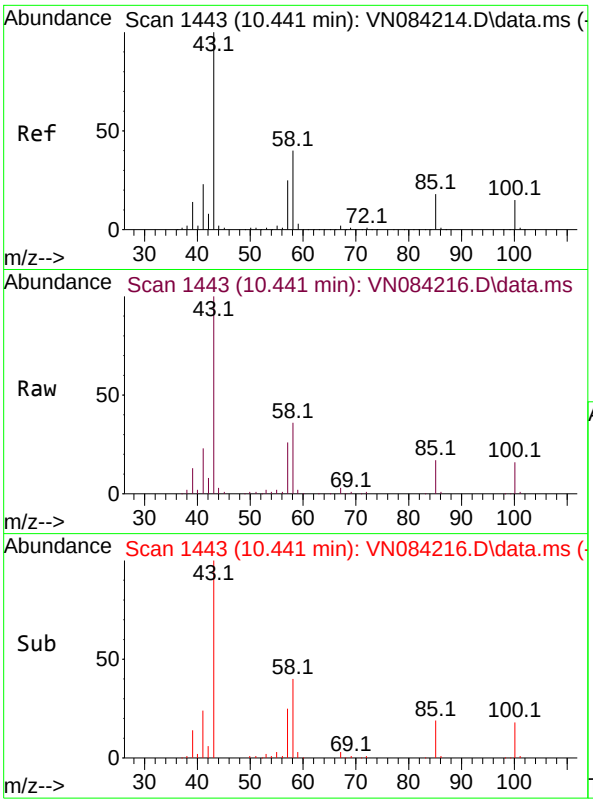


#50
Toluene-d8
Concen: 9.463 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 98 Resp: 70000

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



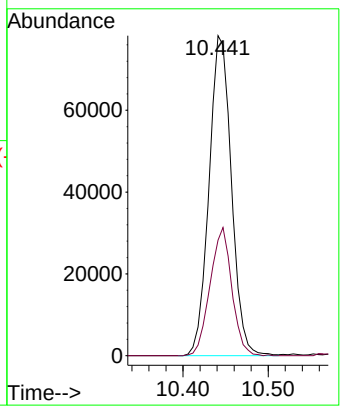


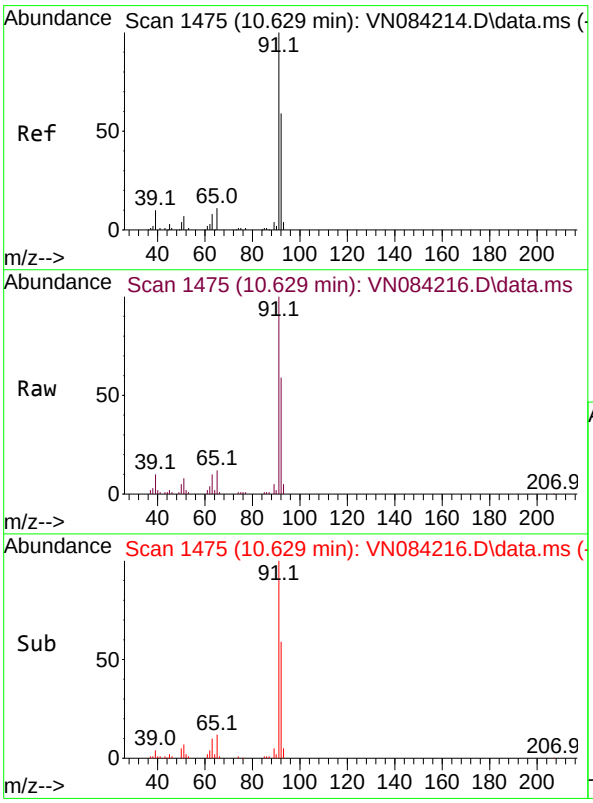
#51
4-Methyl-2-Pentanone
Concen: 50.007 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 142632

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

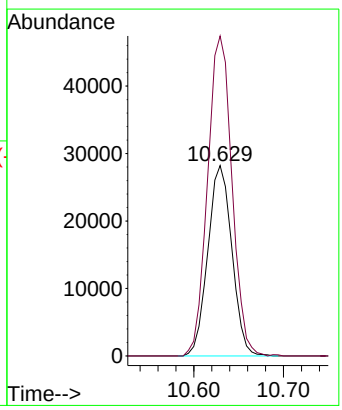


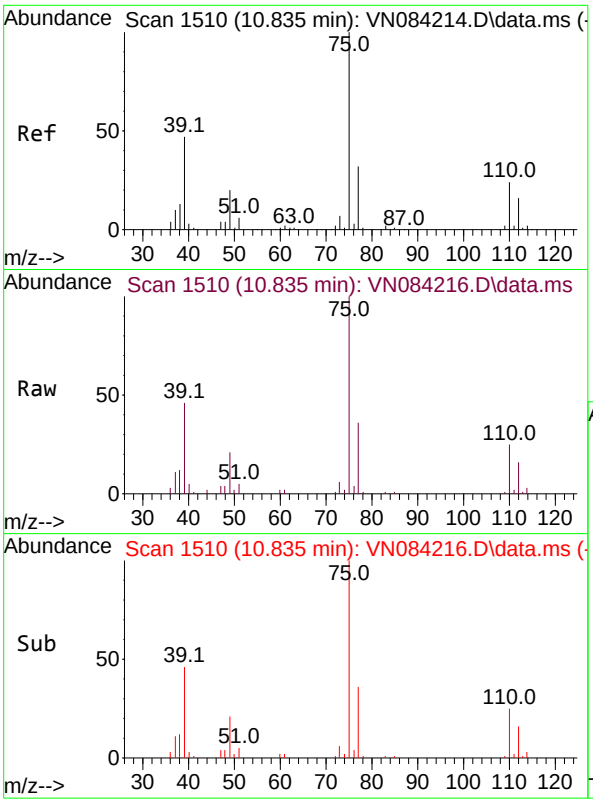


#52
Toluene
Concen: 9.468 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 92 Resp: 52537

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.3	205.9



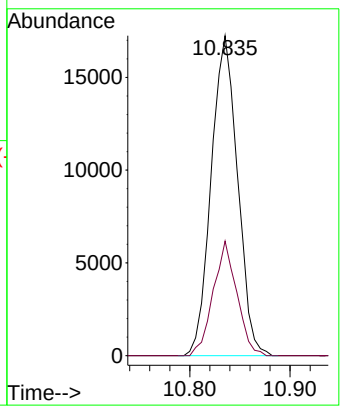


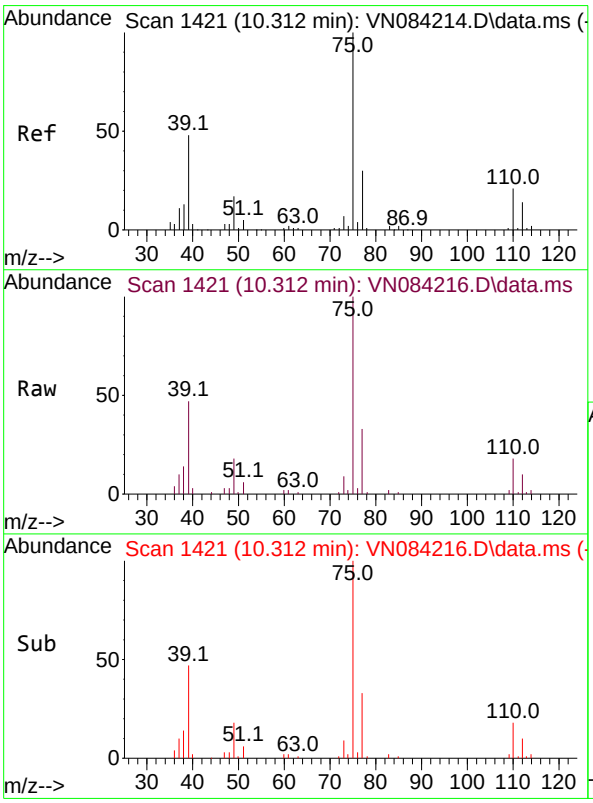
#53
t-1,3-Dichloropropene
Concen: 9.592 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 31555

Ion	Ratio	Lower	Upper
75	100		
77	35.8	25.4	38.0

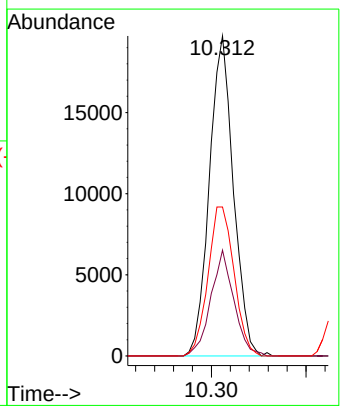


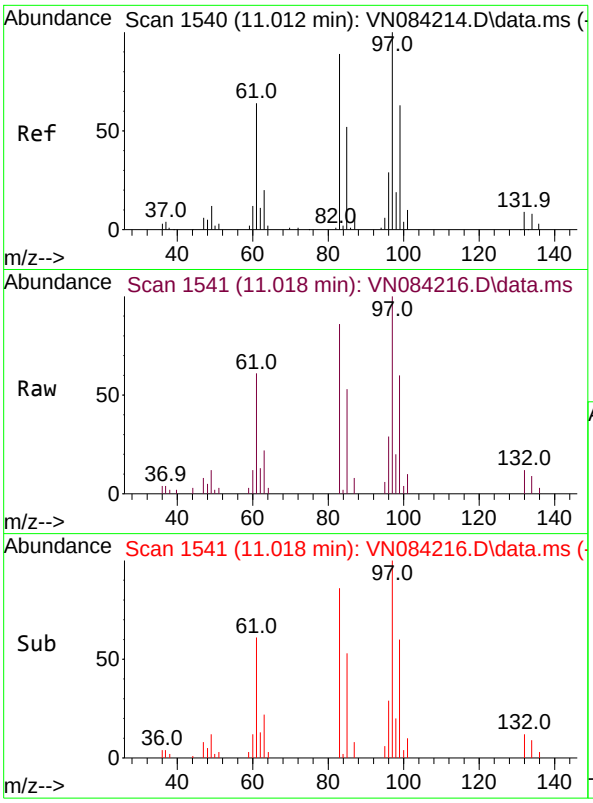


#54
cis-1,3-Dichloropropene
Concen: 9.802 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



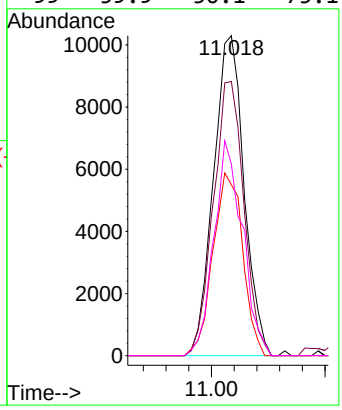


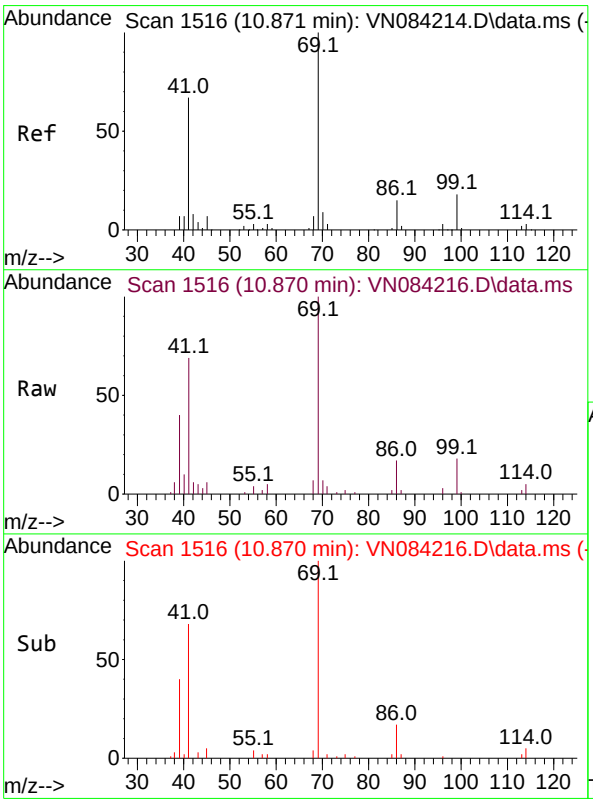
#55
1,1,2-Trichloroethane
Concen: 9.675 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

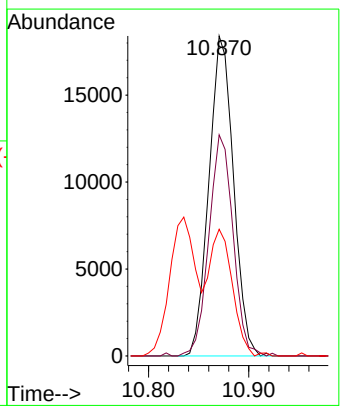


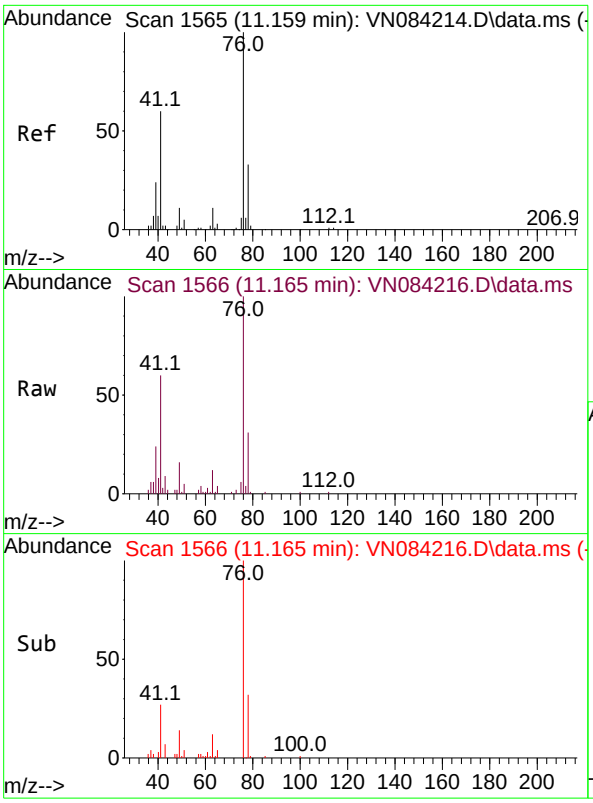


#56
Ethyl methacrylate
Concen: 9.551 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



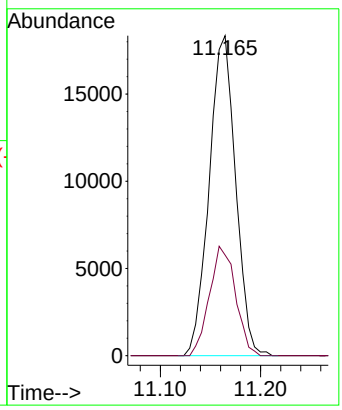


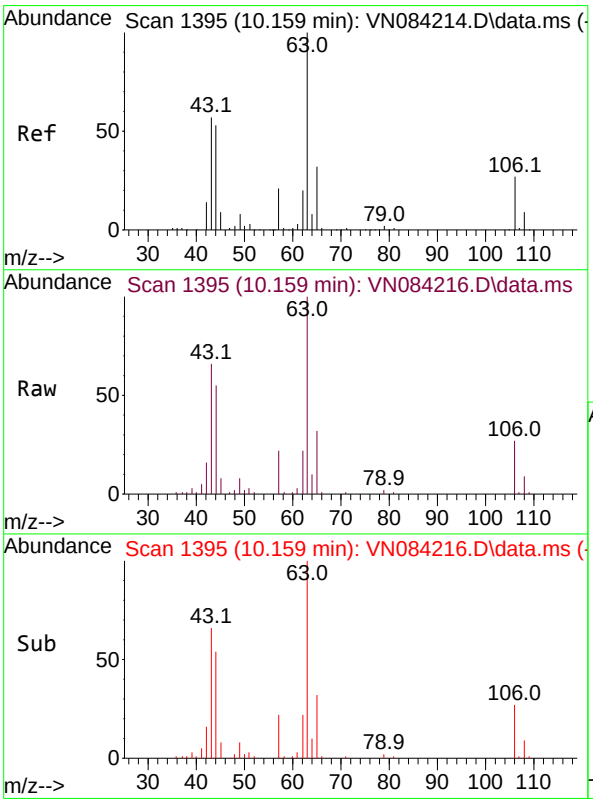
#57
1,3-Dichloropropane
Concen: 9.457 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 33613

Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6

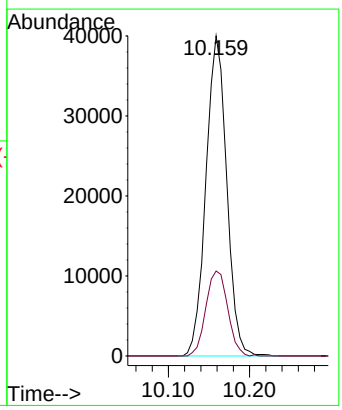


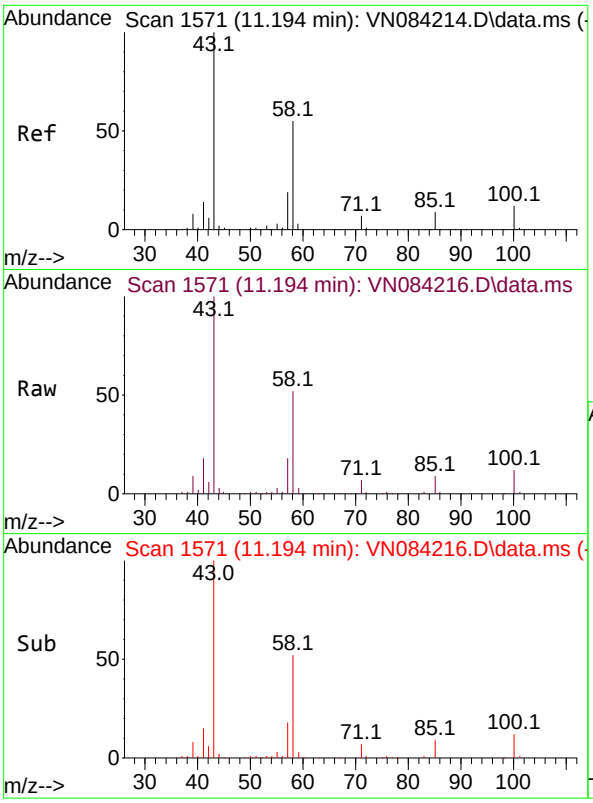


#58
2-Chloroethyl Vinyl ether
Concen: 46.784 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 63 Resp: 71035

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6



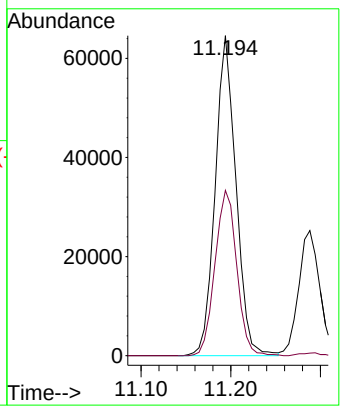


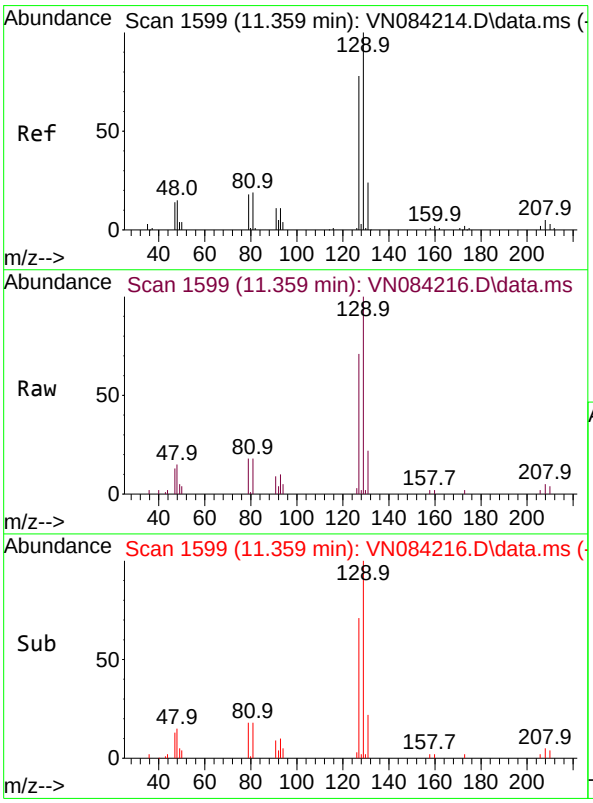
#59
2-Hexanone
Concen: 48.604 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 103615

Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.3	81.8

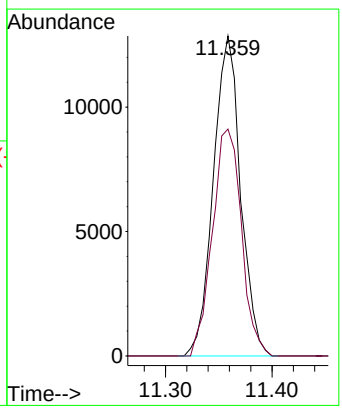


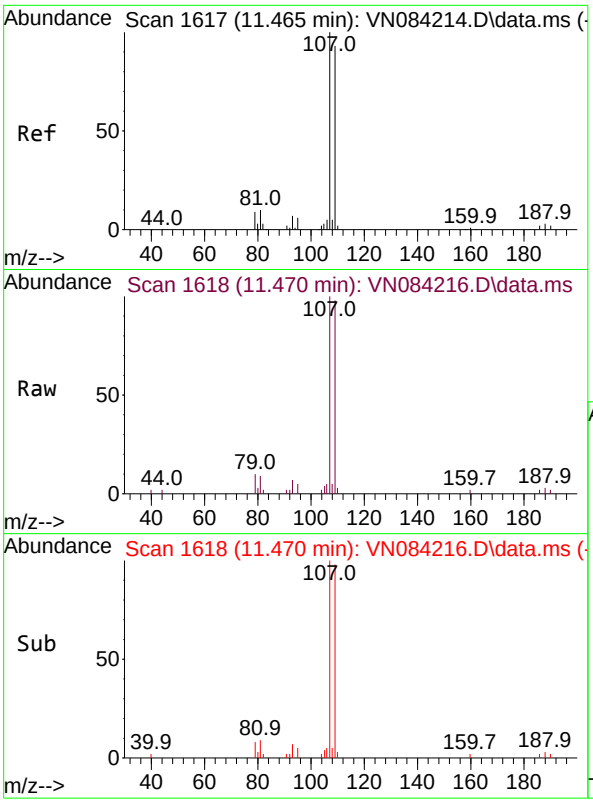


#60
Dibromochloromethane
Concen: 9.715 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:129 Resp: 22833

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.3	114.9



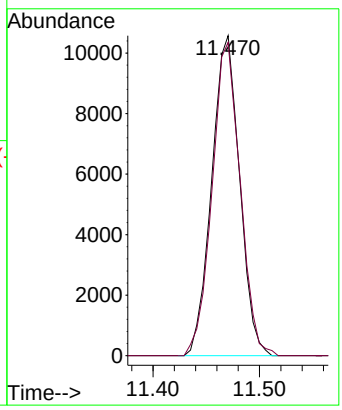


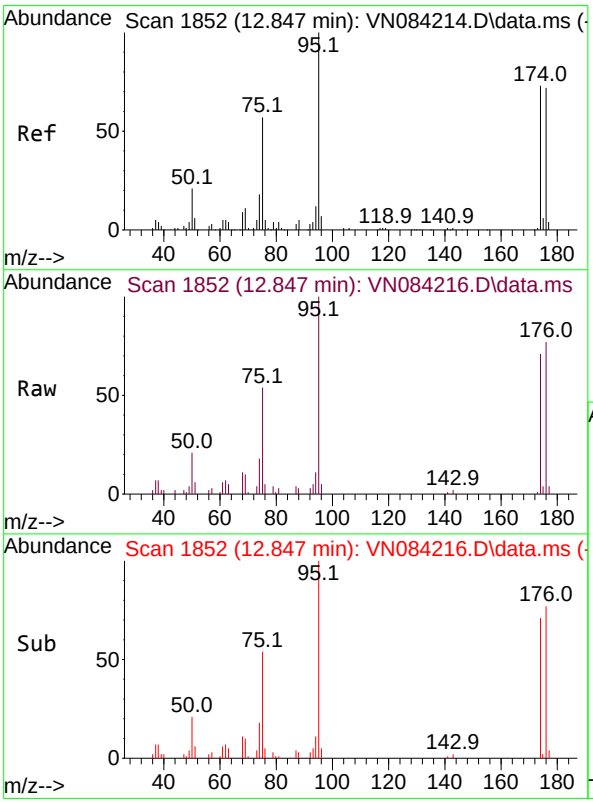
#61
1,2-Dibromoethane
Concen: 9.299 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 19220

Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.4	113.0

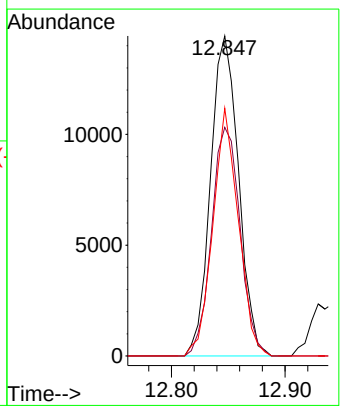


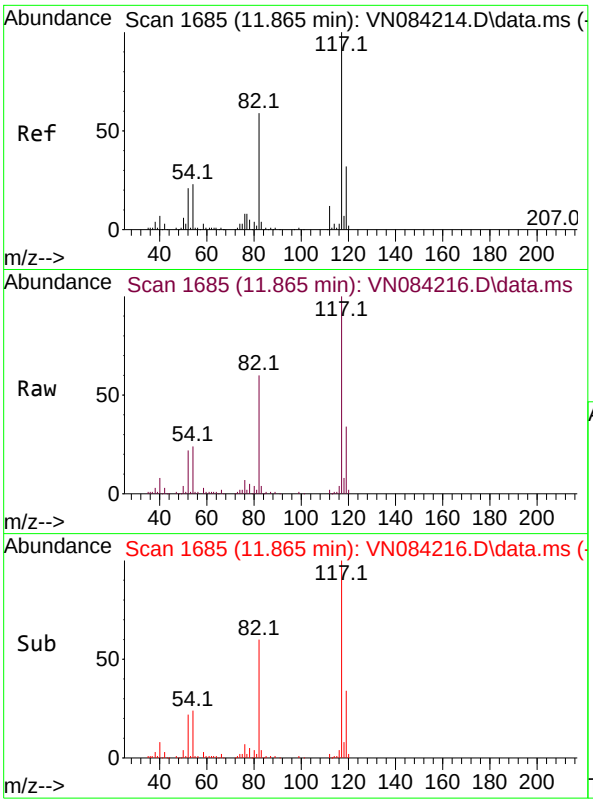


#62
4-Bromofluorobenzene
Concen: 9.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



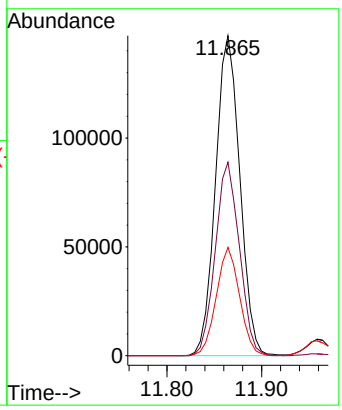


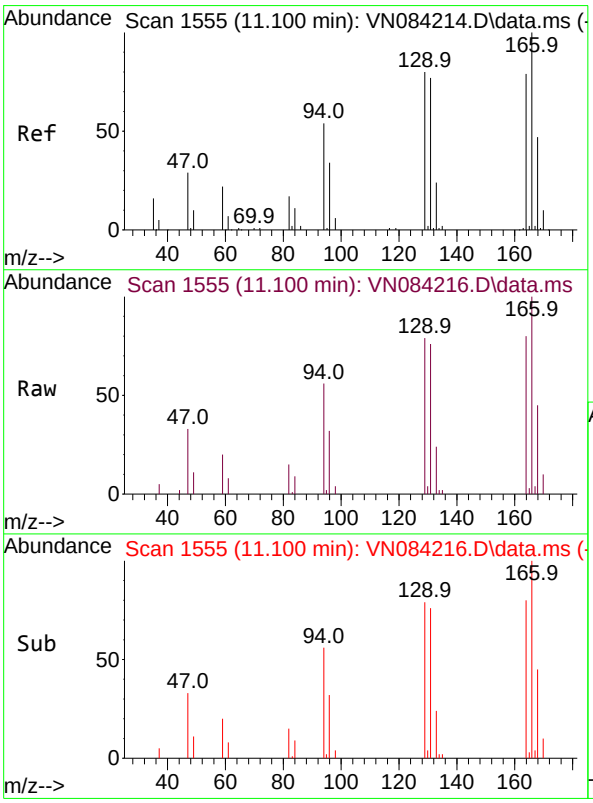
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

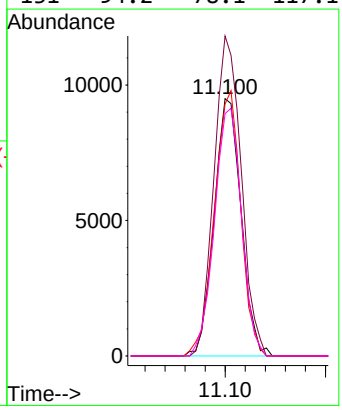


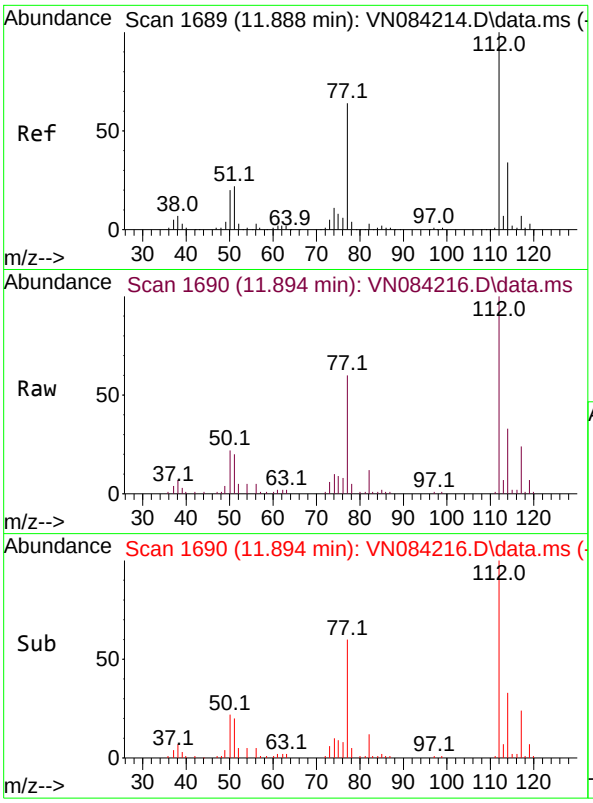


#64
Tetrachloroethene
Concen: 9.711 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



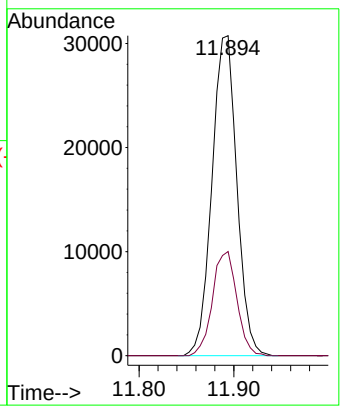


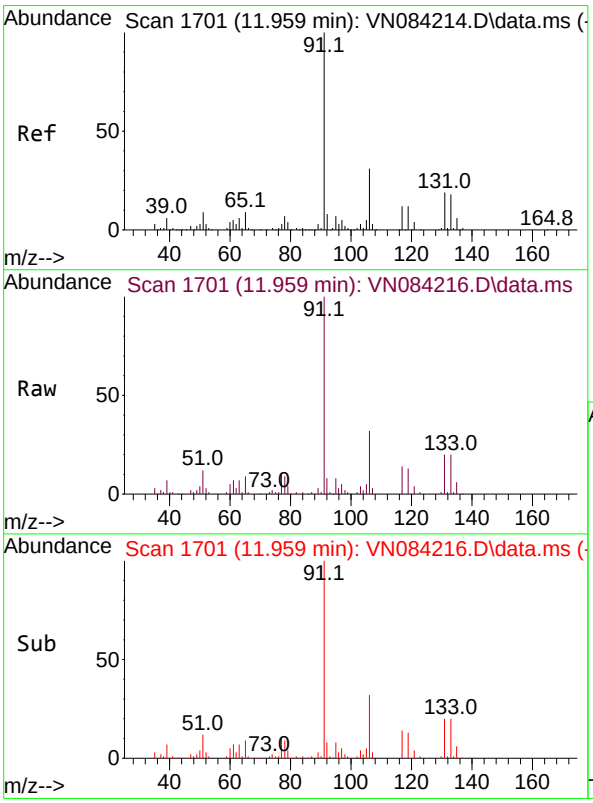
#65
Chlorobenzene
Concen: 9.645 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 56099

Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.0	40.6

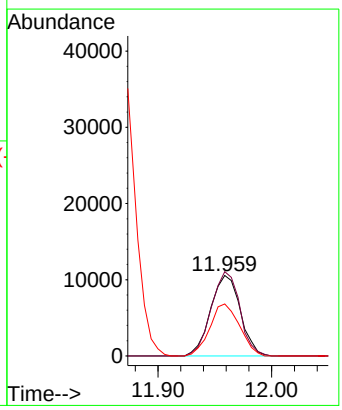


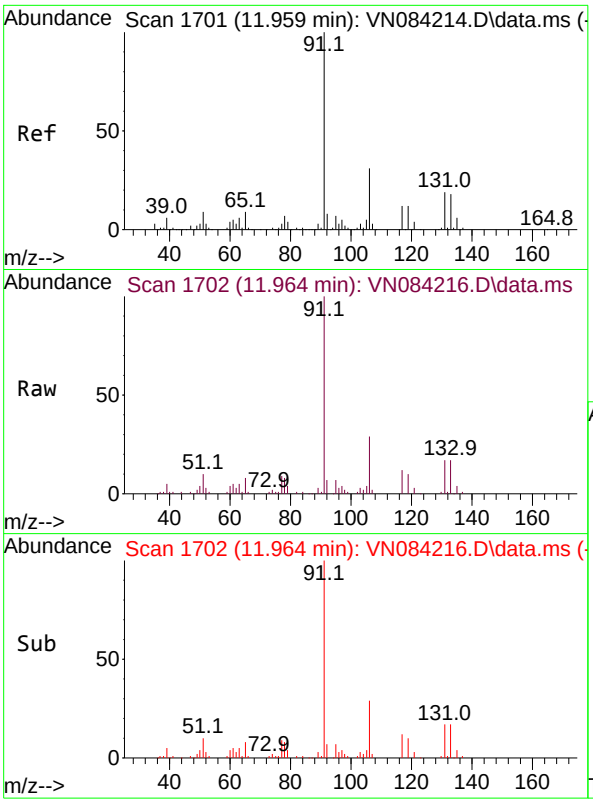


#66
1,1,1,2-Tetrachloroethane
Concen: 9.597 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



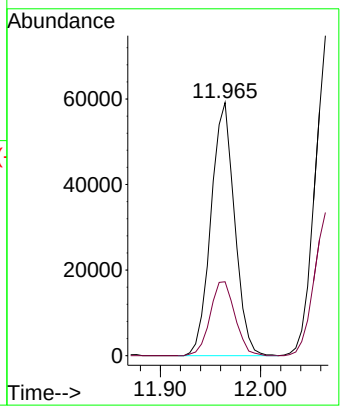


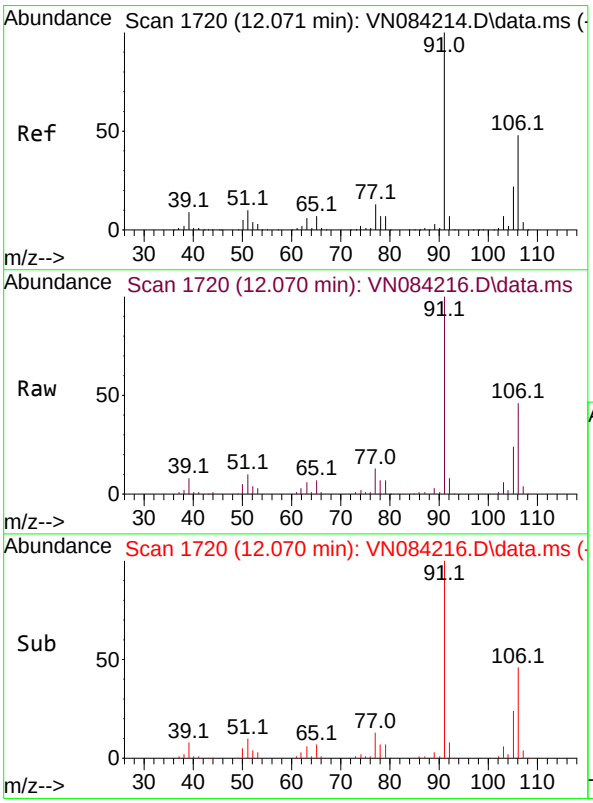
#67
Ethyl Benzene
Concen: 9.385 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 96533

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.5	36.7

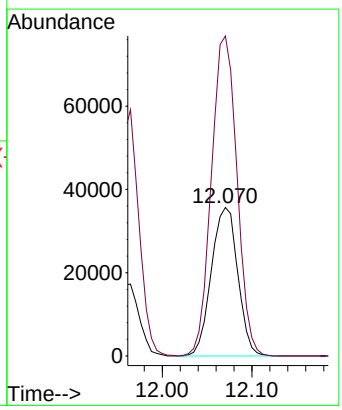


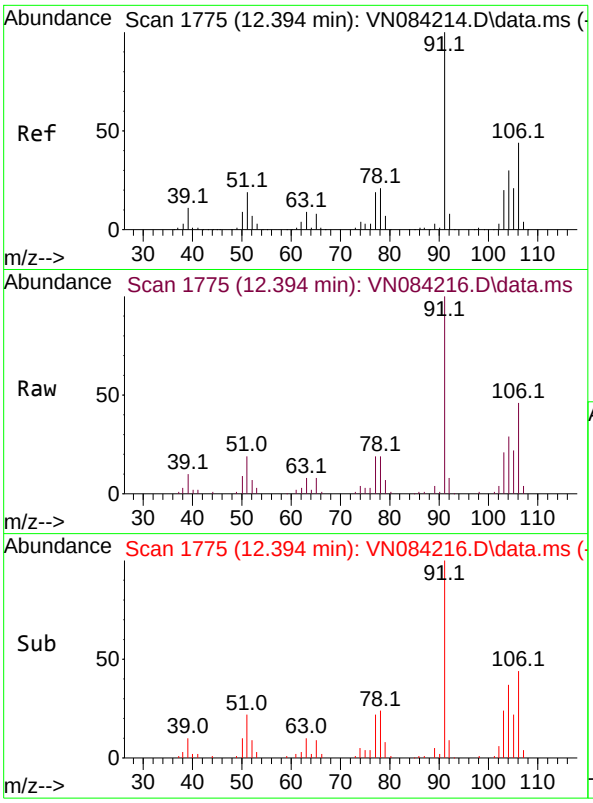


#68
m/p-Xylenes
Concen: 19.162 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:106 Resp: 72910

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7



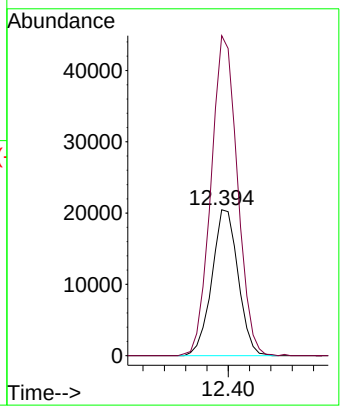


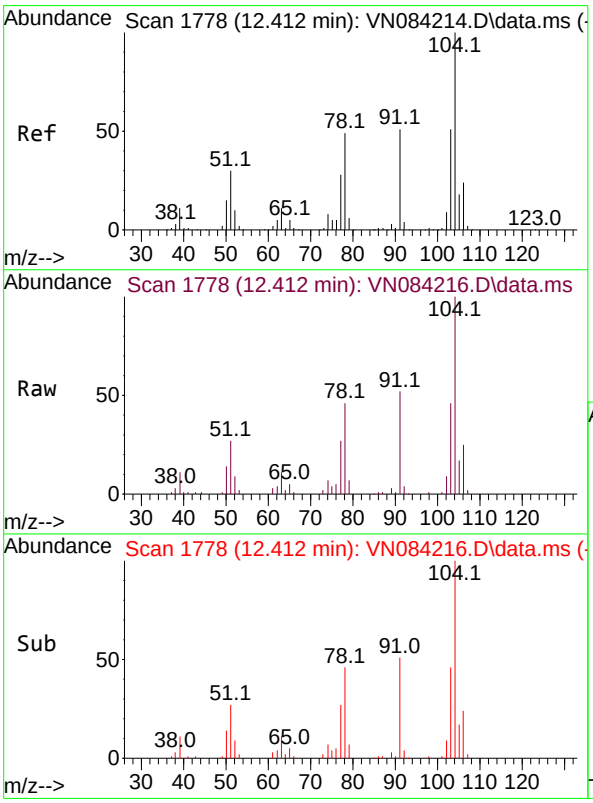
#69
o-Xylene
Concen: 9.713 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 34965

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6

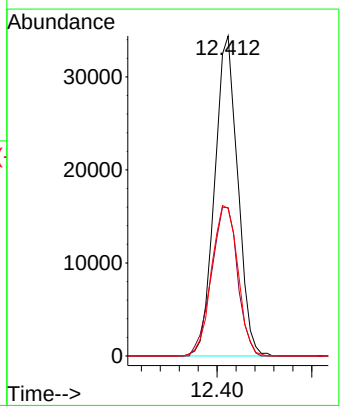


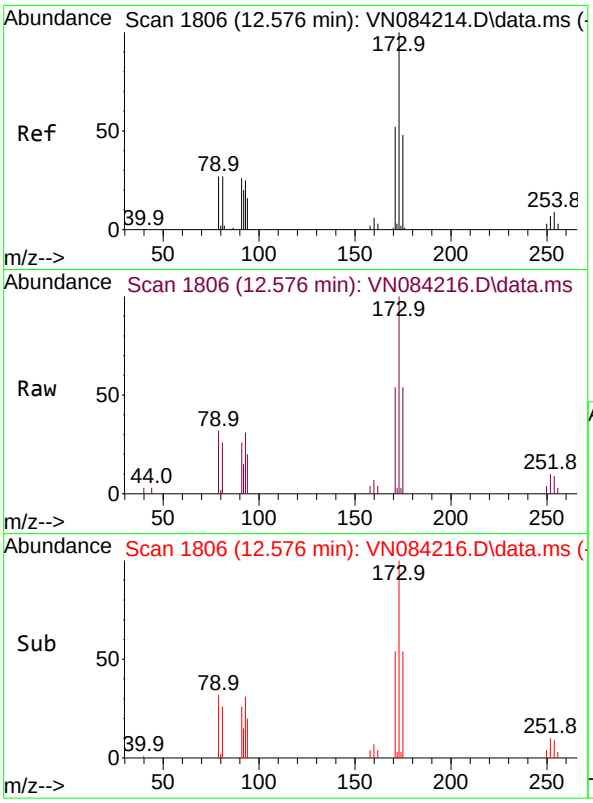


#70
Styrene
Concen: 9.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



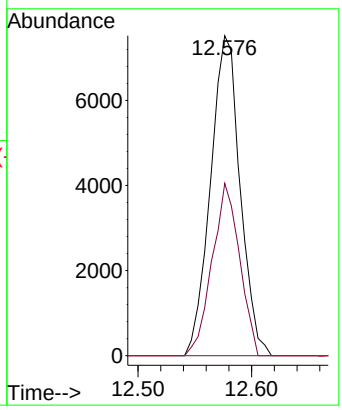


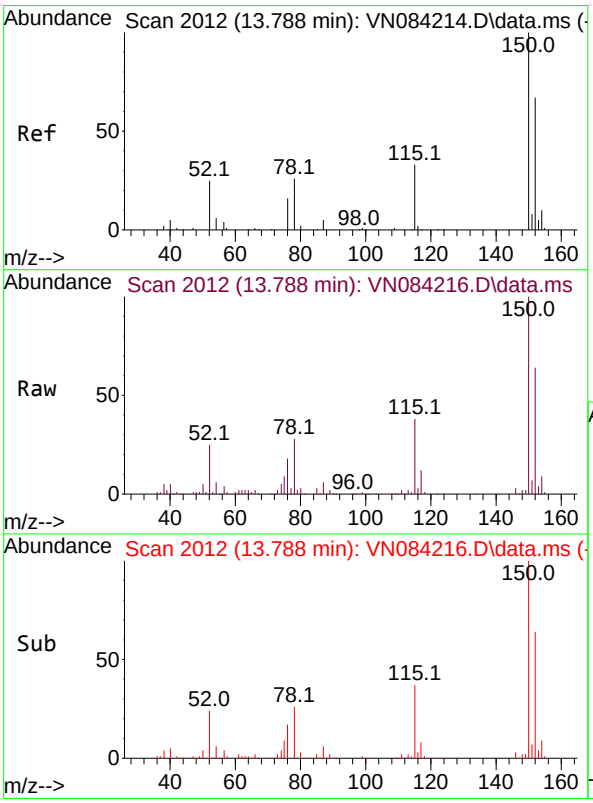
#71
Bromoform
Concen: 9.233 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

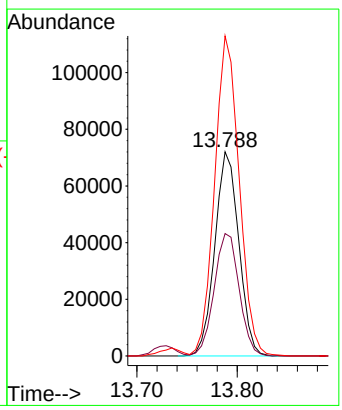


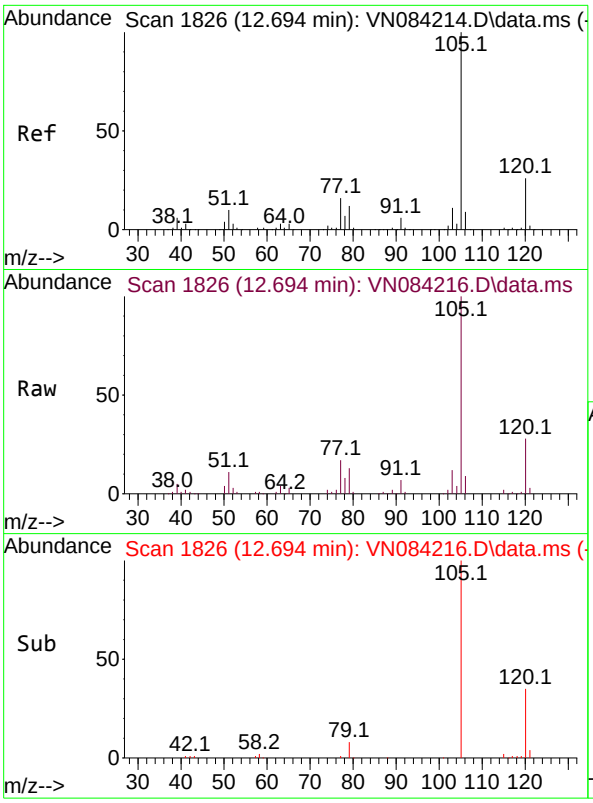


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



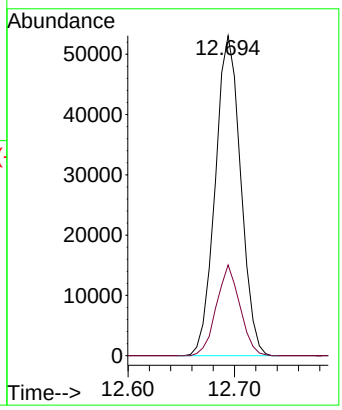


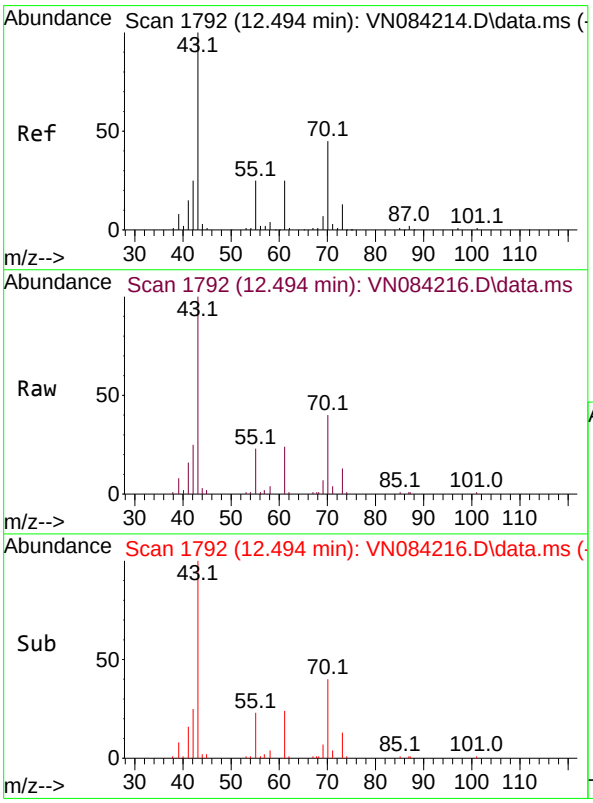
#73
Isopropylbenzene
Concen: 9.638 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 88000

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

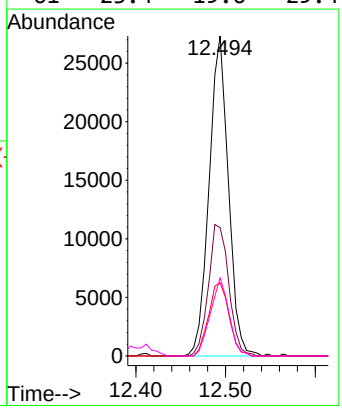


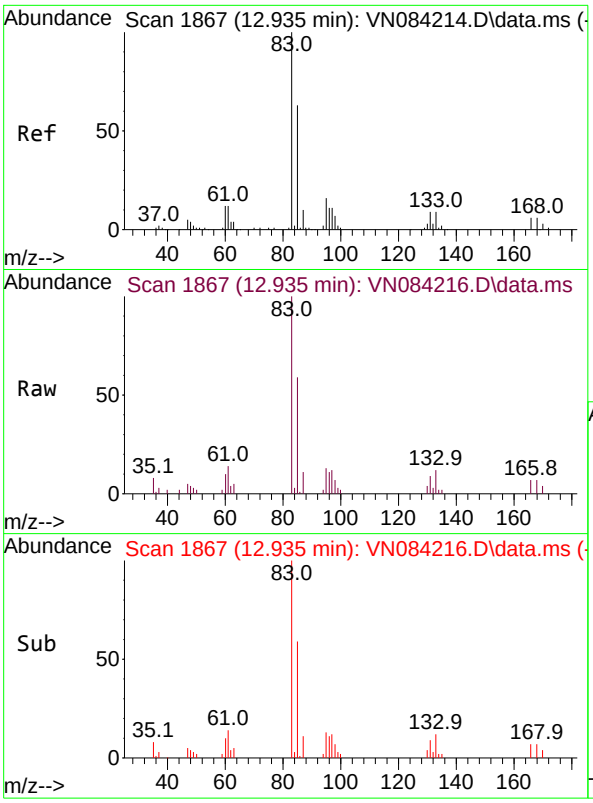


#74
N-amyl acetate
Concen: 9.868 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



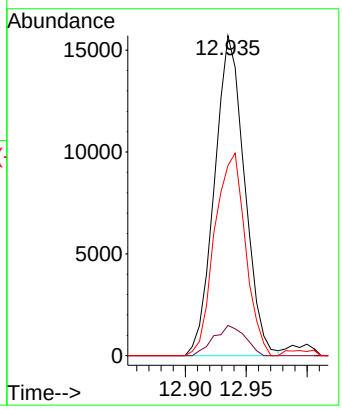


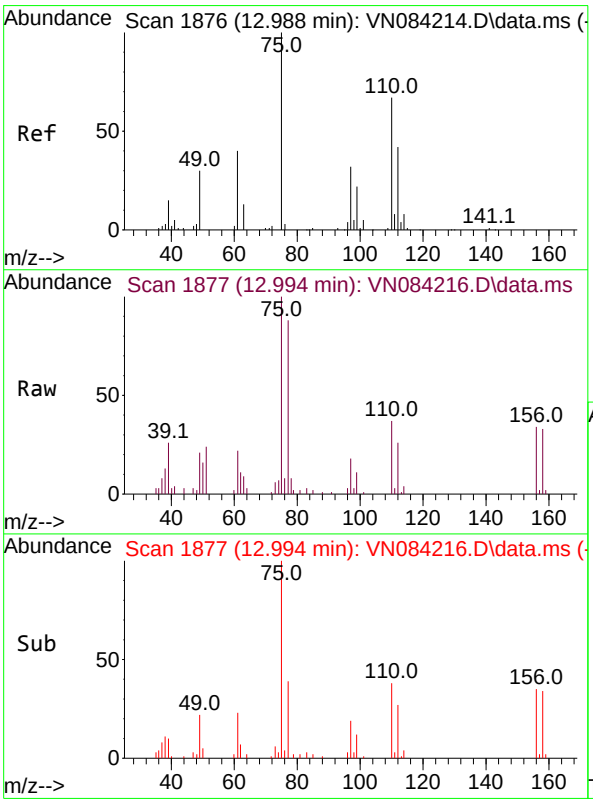
#75
1,1,2,2-Tetrachloroethane
Concen: 9.822 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

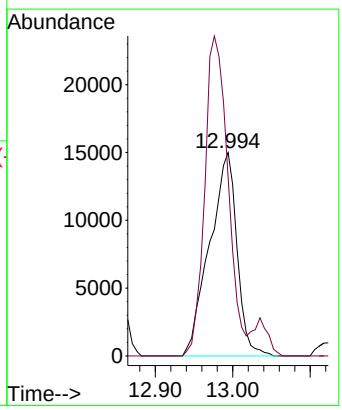


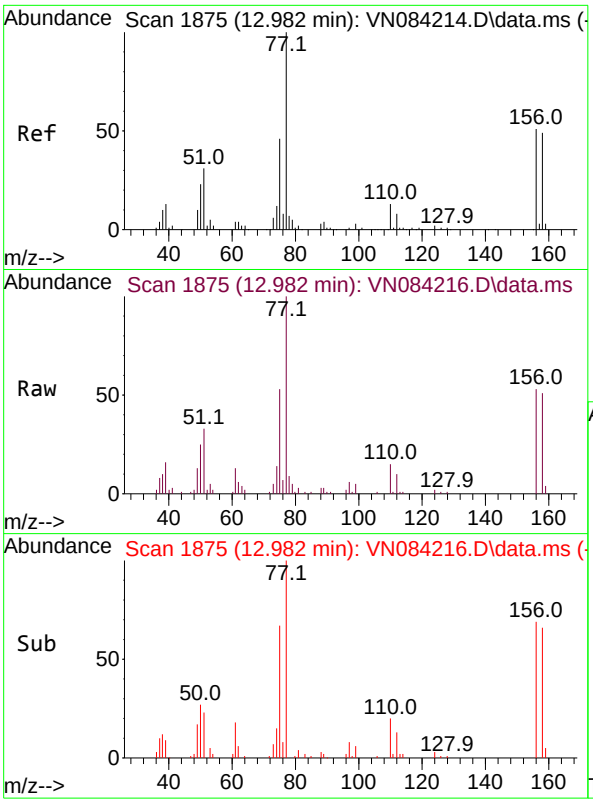


#76
1,2,3-Trichloropropane
Concen: 15.426 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 75 Resp: 36789

Ion	Ratio	Lower	Upper
75	100		
77	133.4	96.9	290.7



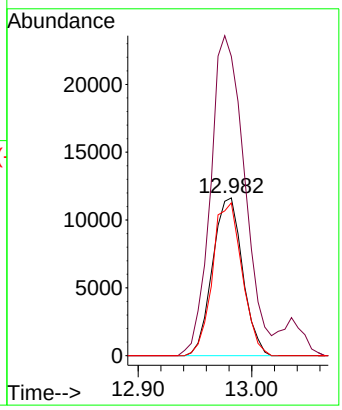


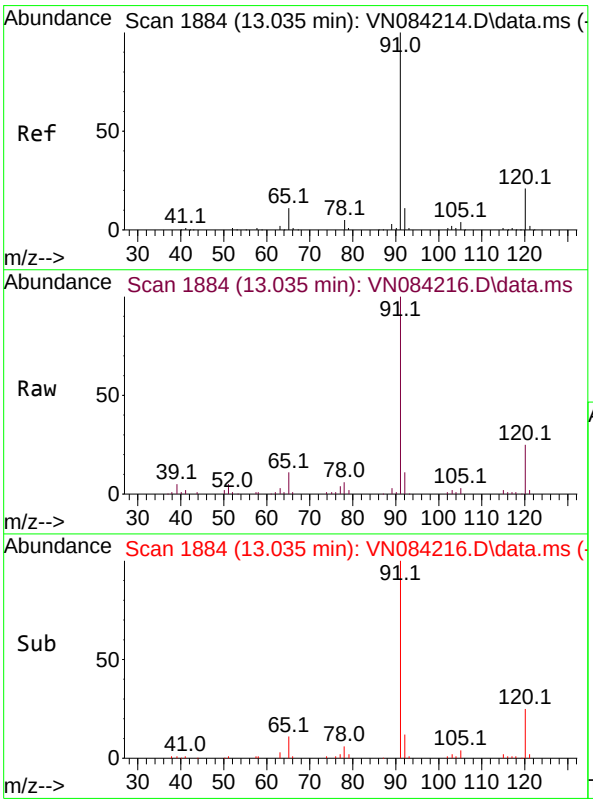
#77
Bromobenzene
Concen: 9.734 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

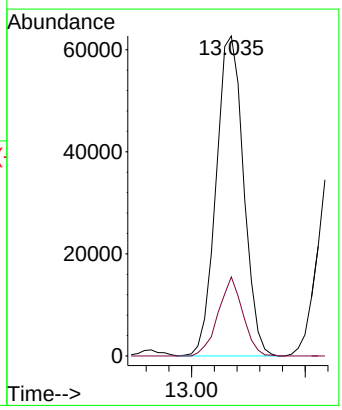


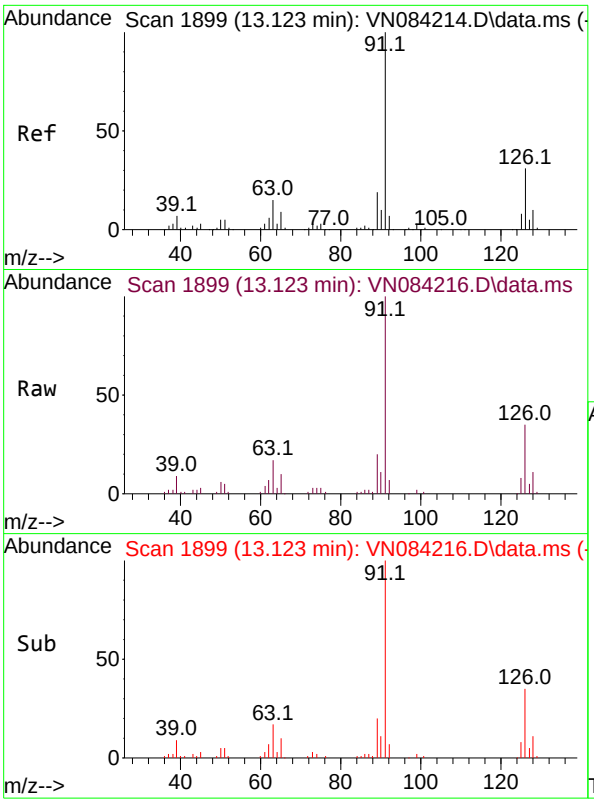


#78
n-propylbenzene
Concen: 9.957 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 105334

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



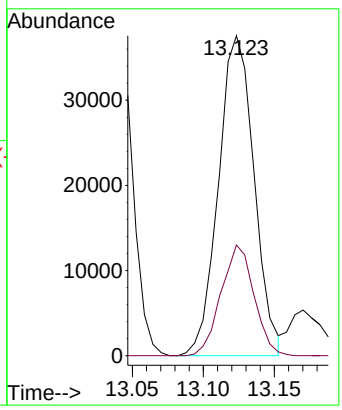


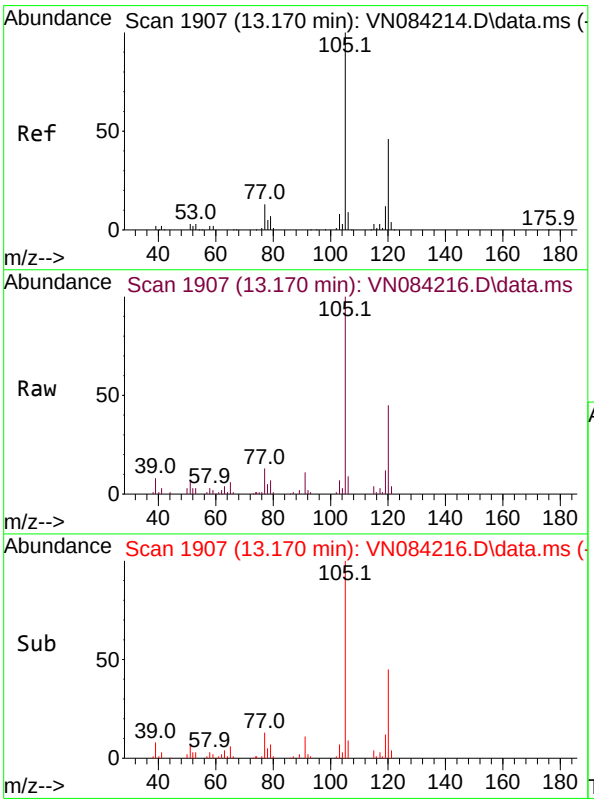
#79
2-Chlorotoluene
Concen: 9.704 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 65511

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

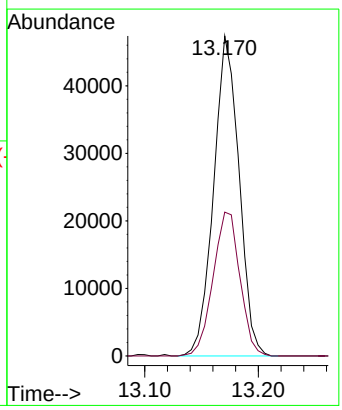


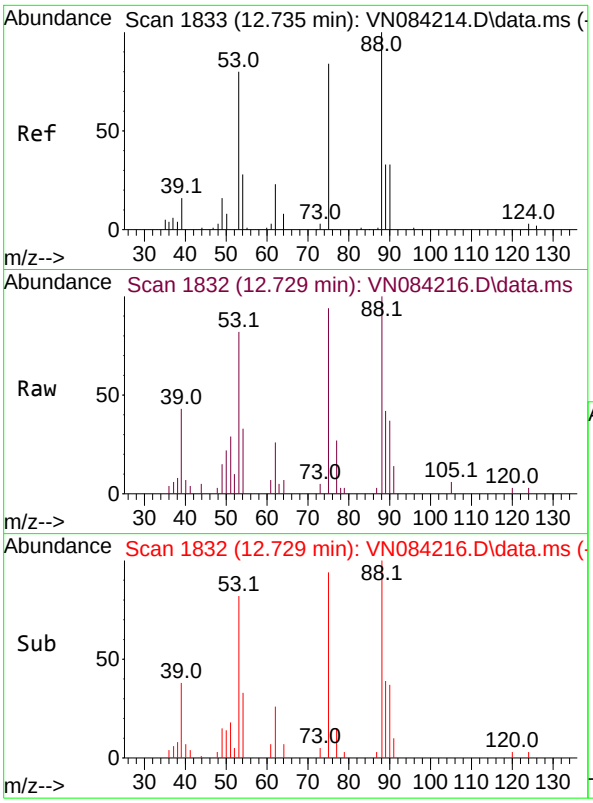


#80
1,3,5-Trimethylbenzene
Concen: 9.887 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 73637

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



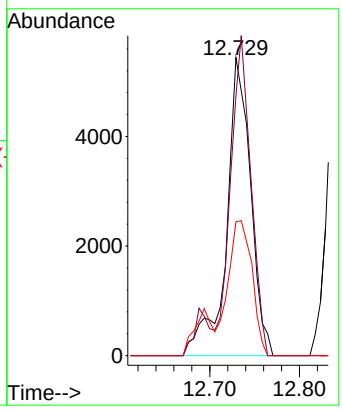


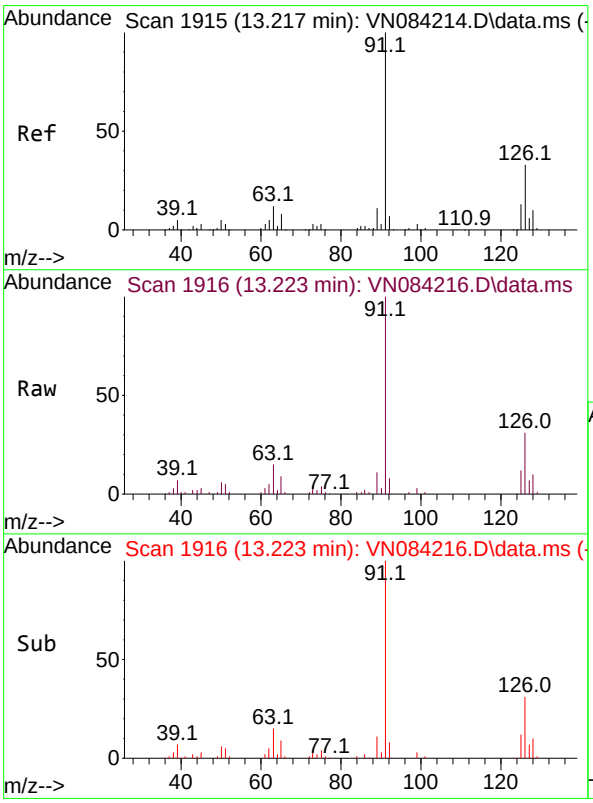
#81
trans-1,4-Dichloro-2-butene
Concen: 10.047 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

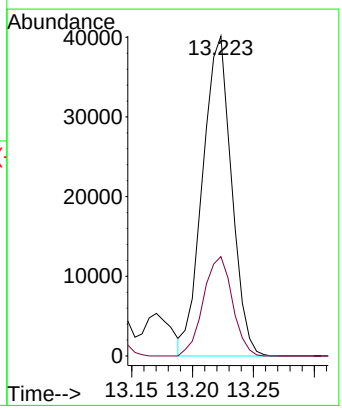


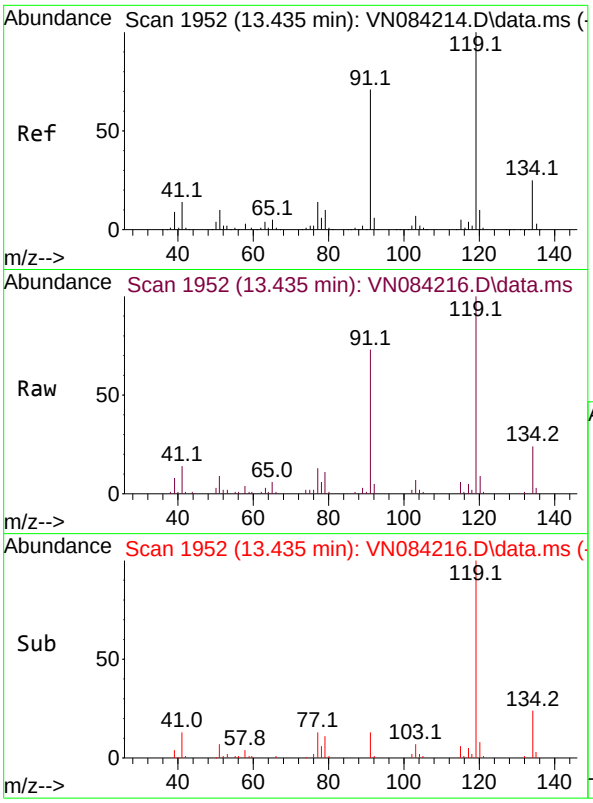


#82
4-Chlorotoluene
Concen: 9.778 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion: 91 Resp: 66449

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1



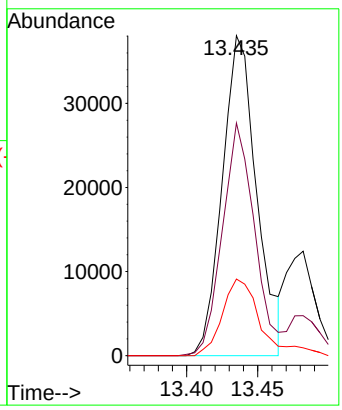


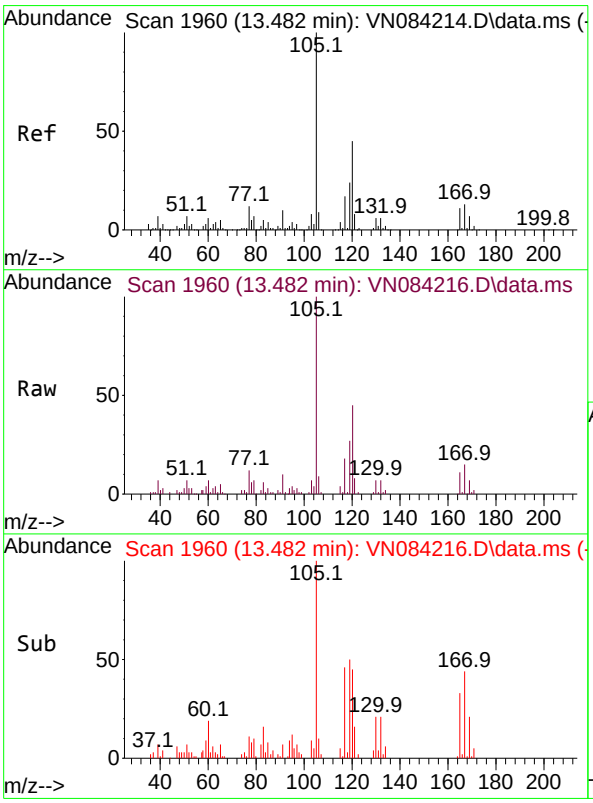
#83
tert-Butylbenzene
Concen: 9.691 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

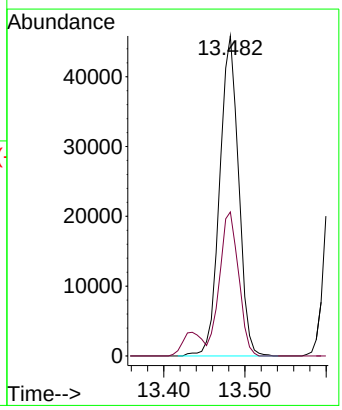


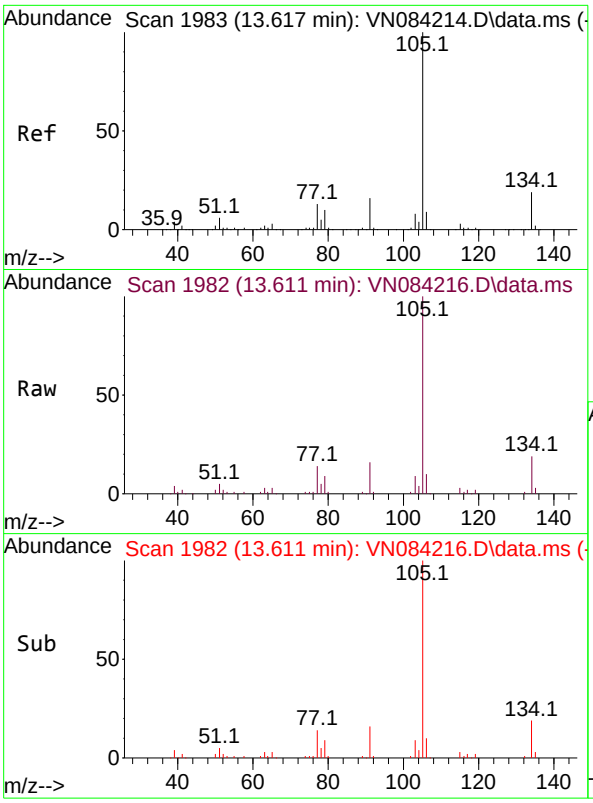


#84
1,2,4-Trimethylbenzene
Concen: 9.895 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:105 Resp: 74245

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8



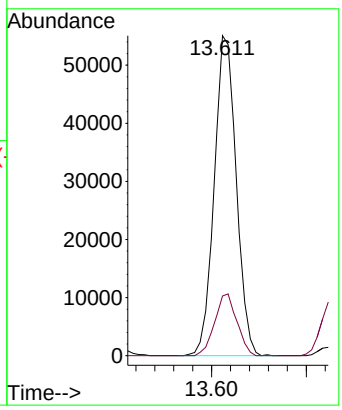


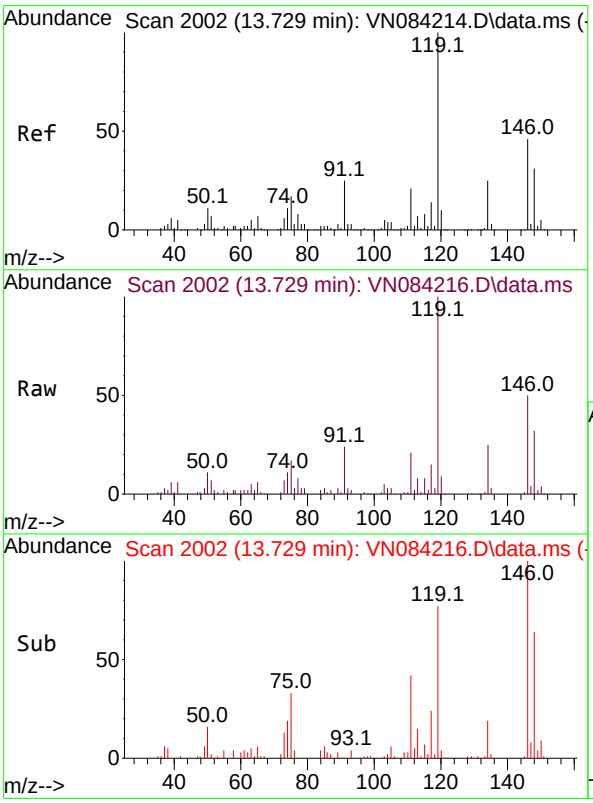
#85
sec-Butylbenzene
Concen: 10.065 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 88913

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

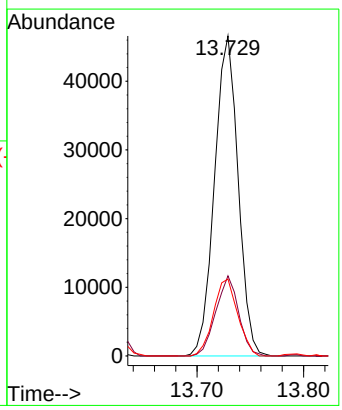


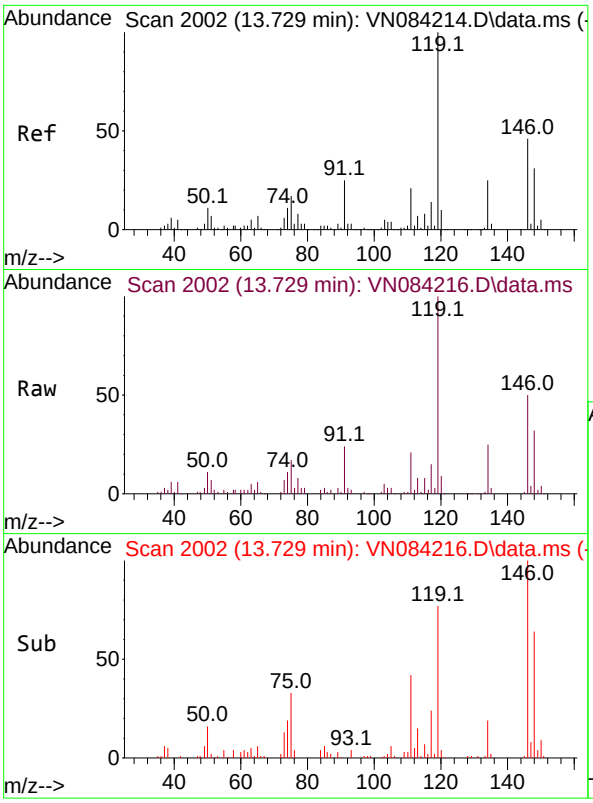


#86
p-Isopropyltoluene
Concen: 9.812 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



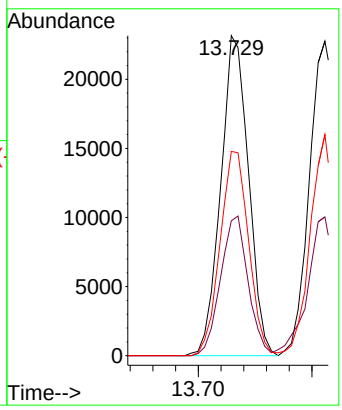


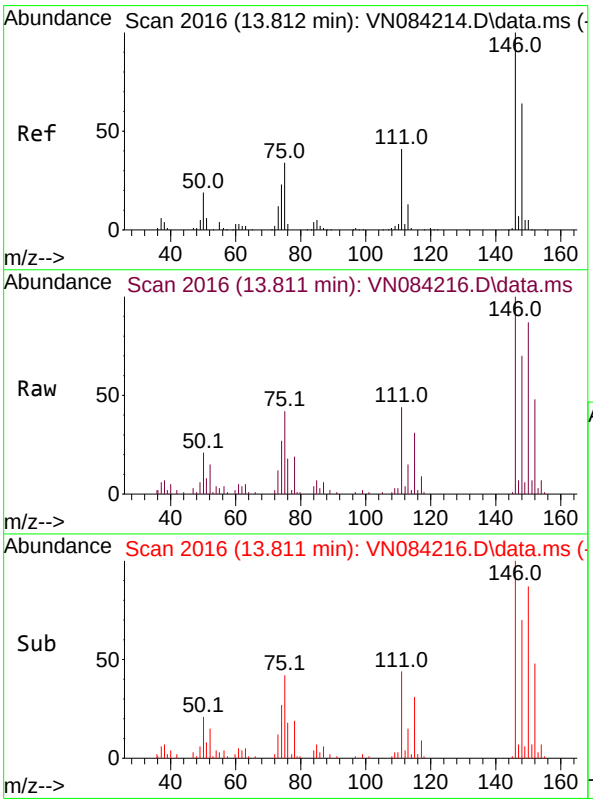
#87
1,3-Dichlorobenzene
Concen: 9.536 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

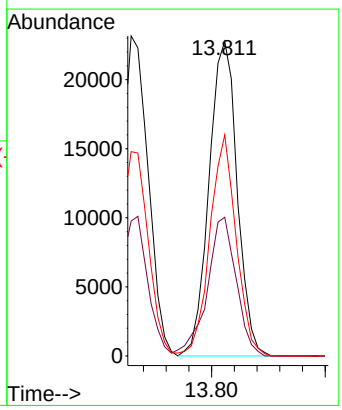


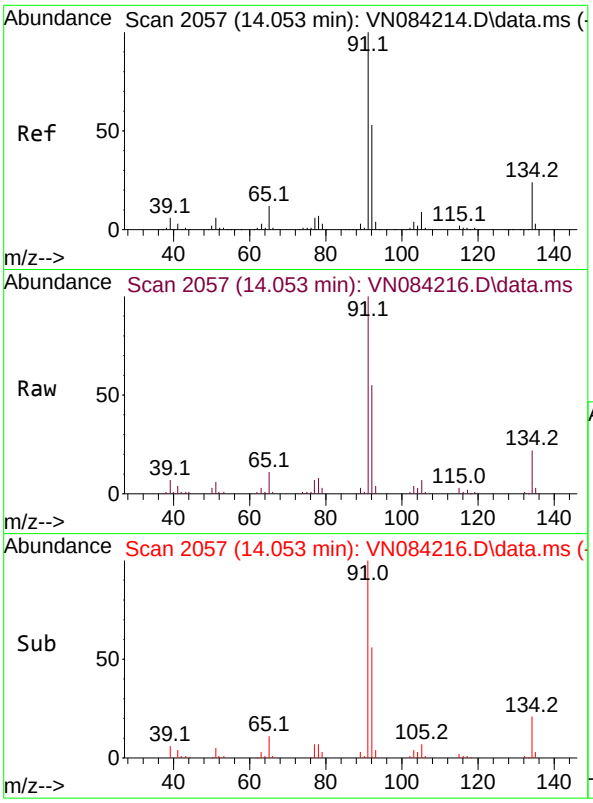


#88
1,4-Dichlorobenzene
Concen: 9.392 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



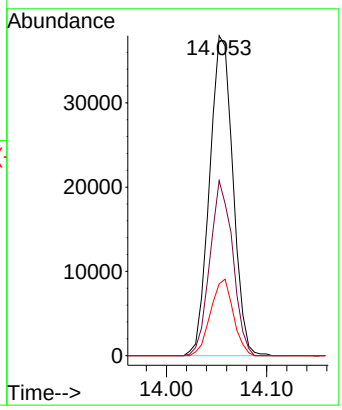


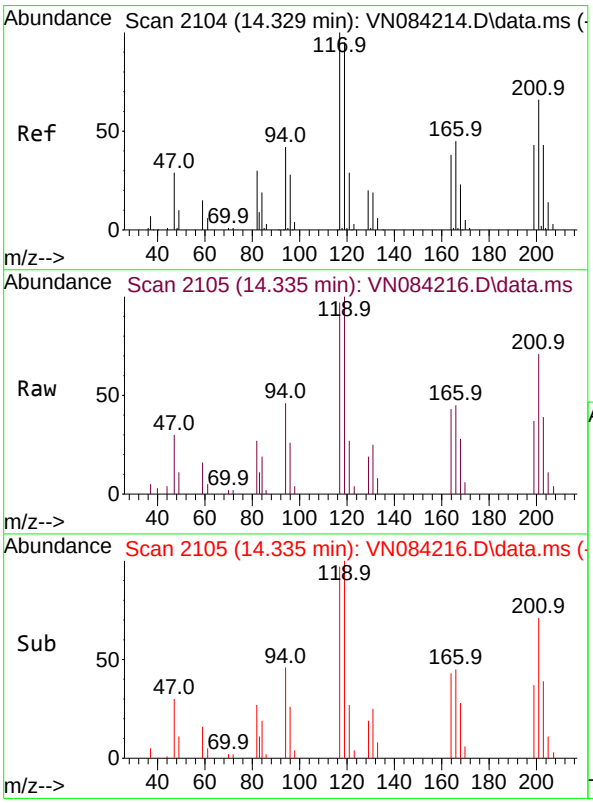
#89
n-Butylbenzene
Concen: 9.273 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

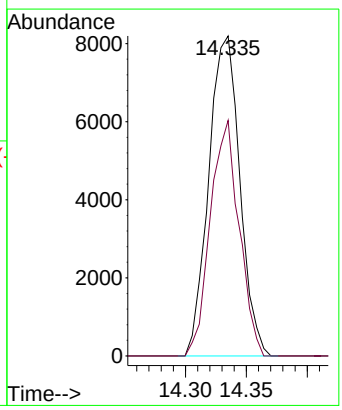


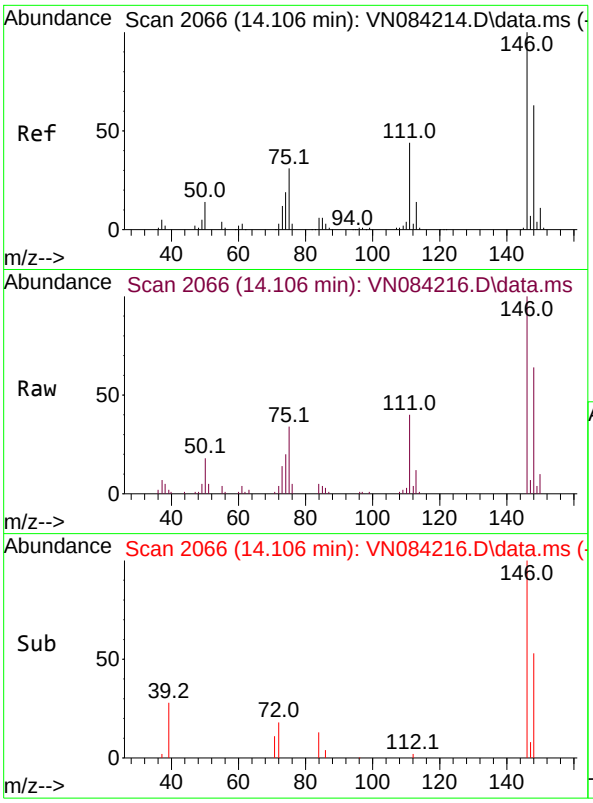


#90
Hexachloroethane
Concen: 9.820 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

Tgt Ion:117 Resp: 14560

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.4	103.2



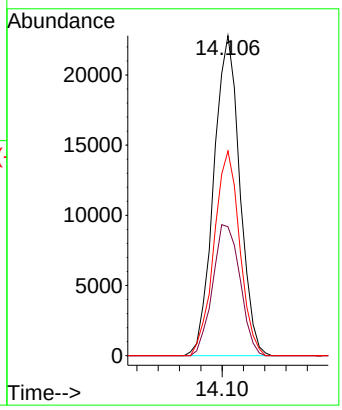


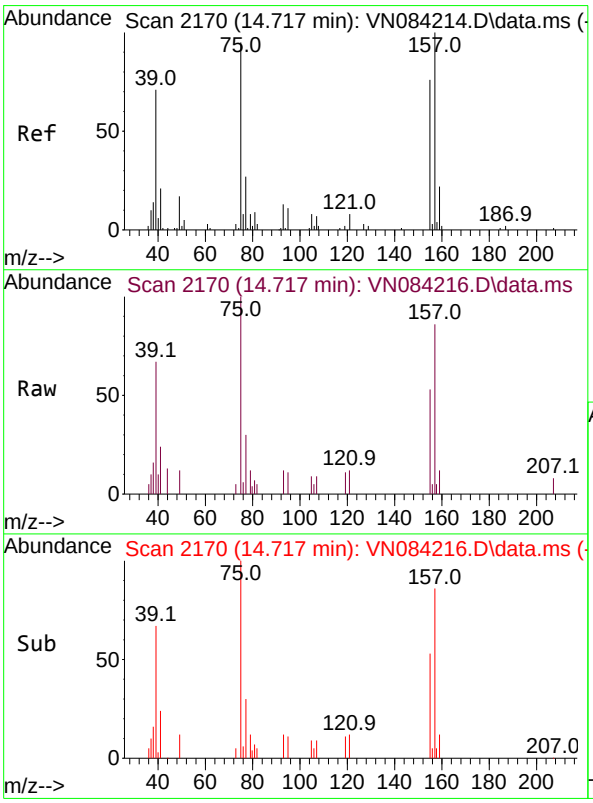
#91
1,2-Dichlorobenzene
Concen: 9.526 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

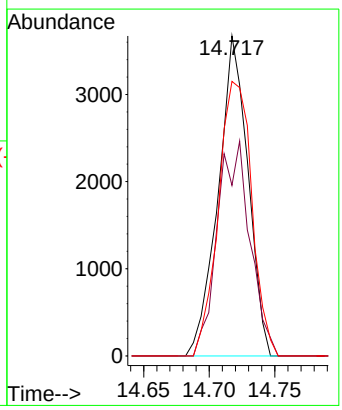


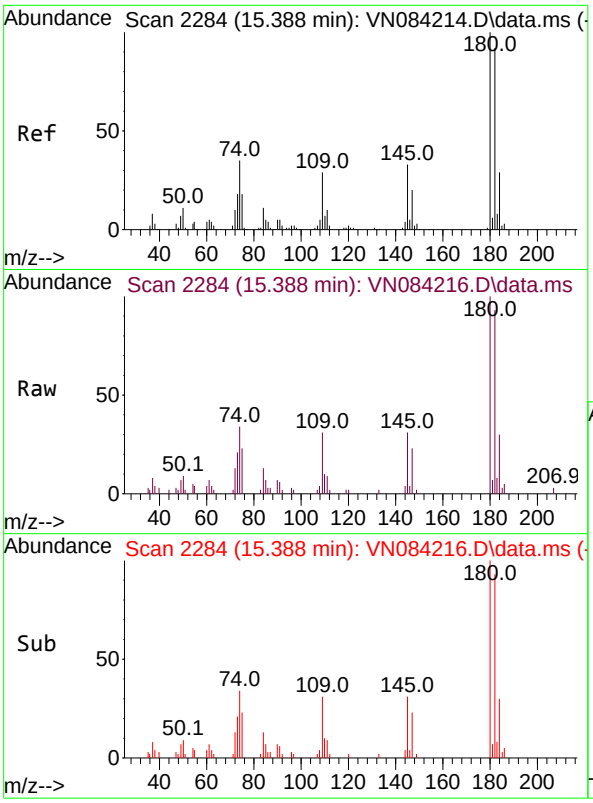


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.235 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



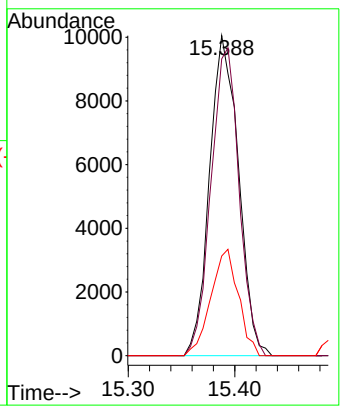


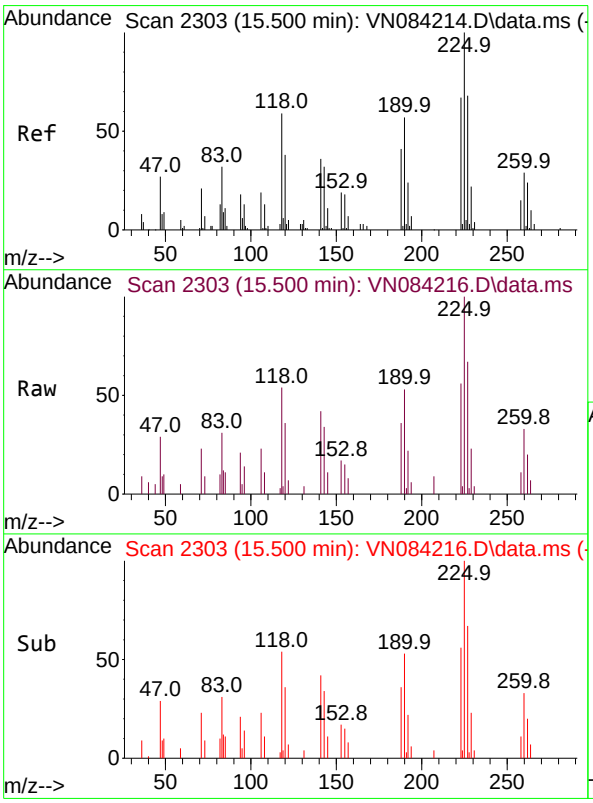
#93
1,2,4-Trichlorobenzene
Concen: 9.501 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

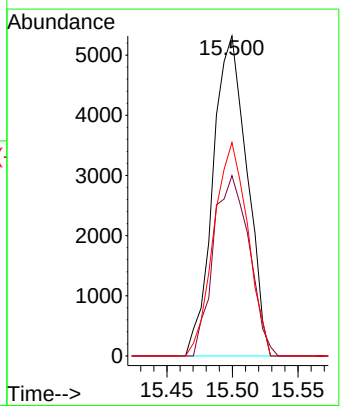


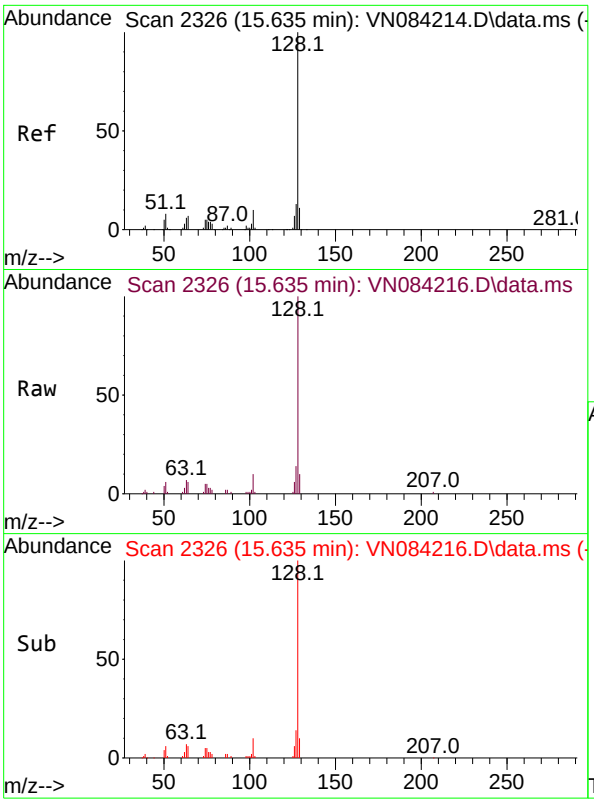


#94
Hexachlorobutadiene
Concen: 9.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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



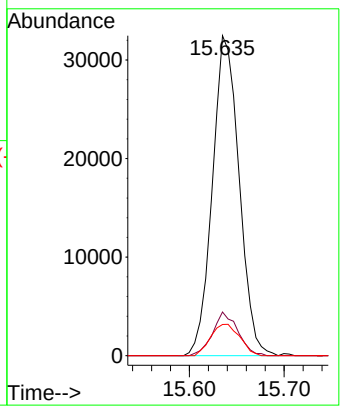


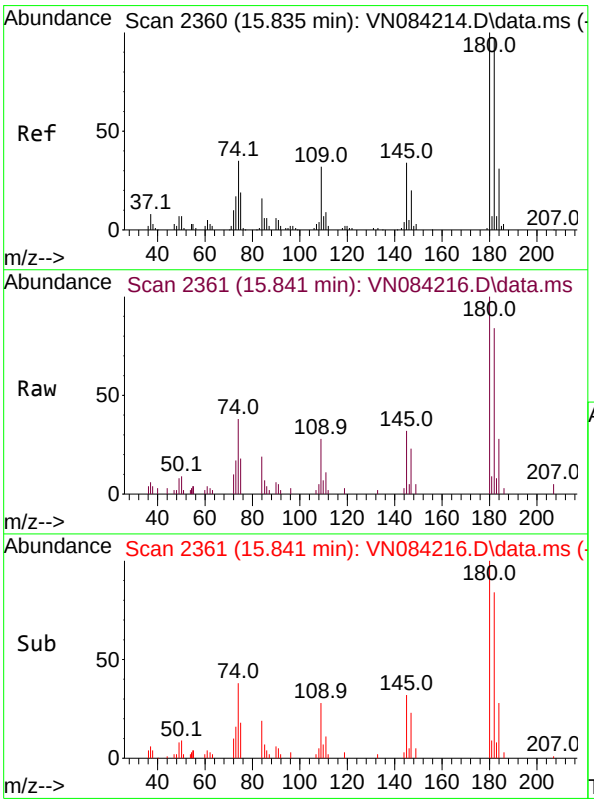
#95
Naphthalene
Concen: 9.613 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

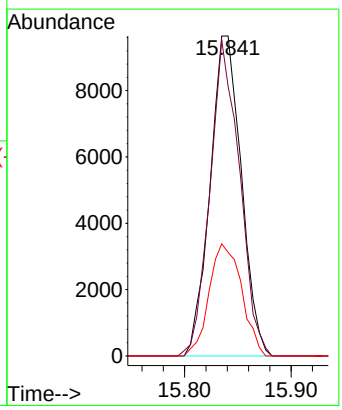




#96
1,2,3-Trichlorobenzene
Concen: 9.826 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084216.D
Acq: 30 Sep 2024 13:37

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

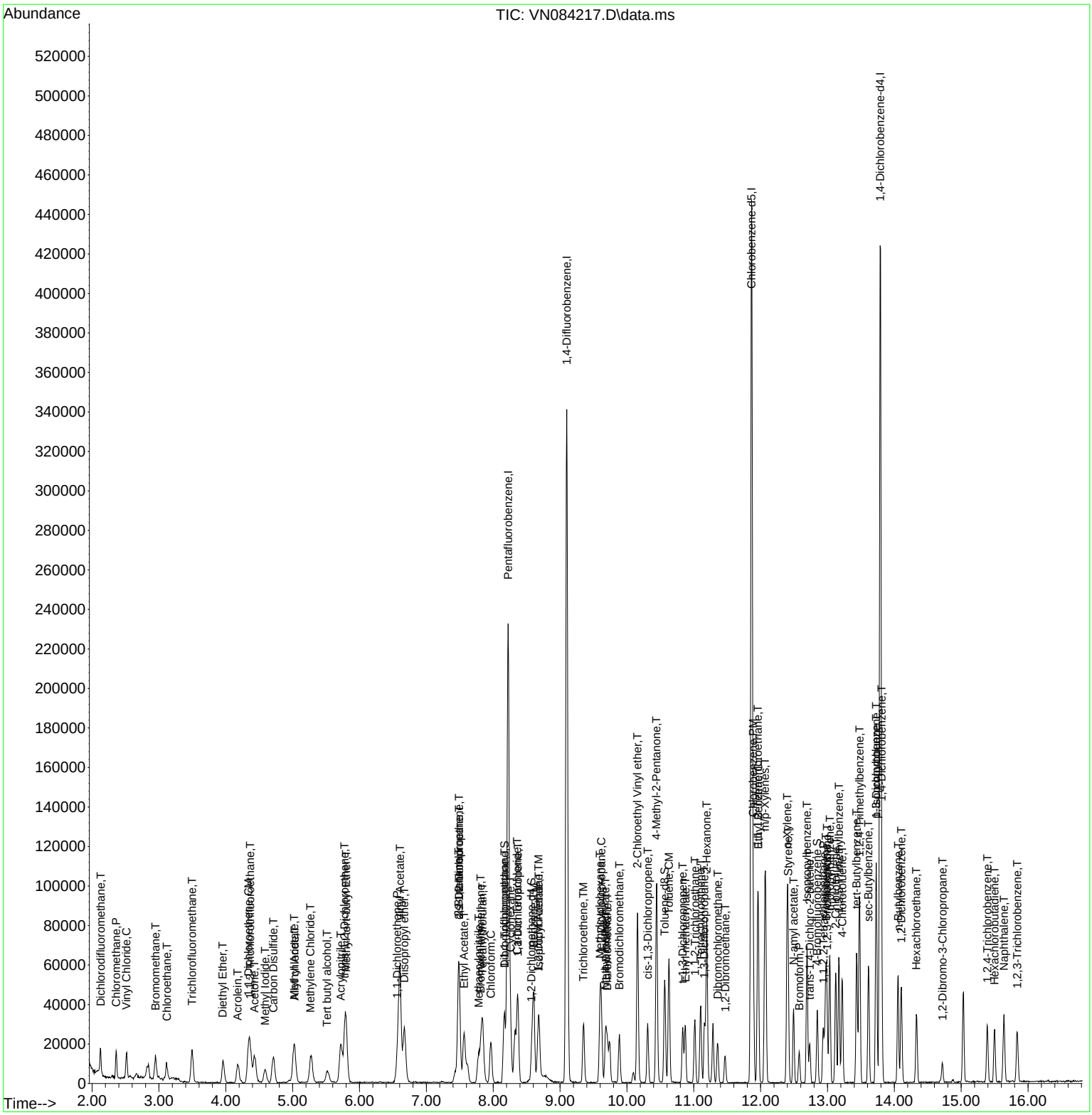
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

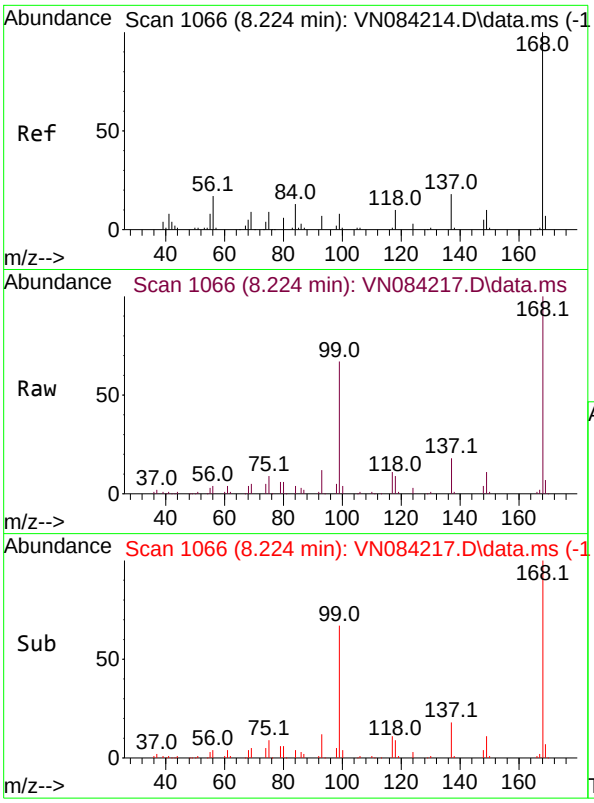
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



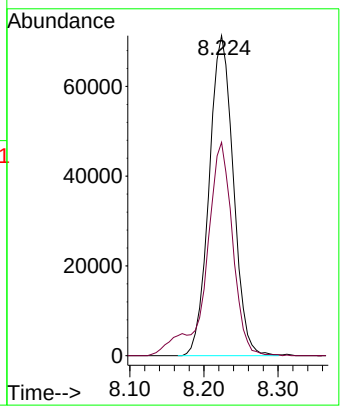


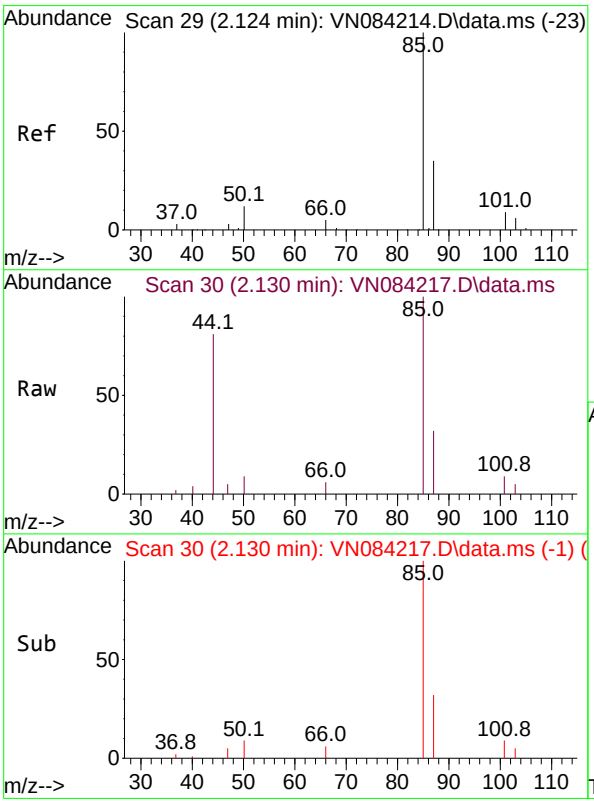
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 161547

Ion	Ratio	Lower	Upper
168	100		
99	66.3	54.2	81.2

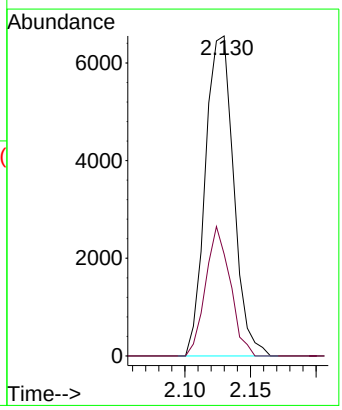


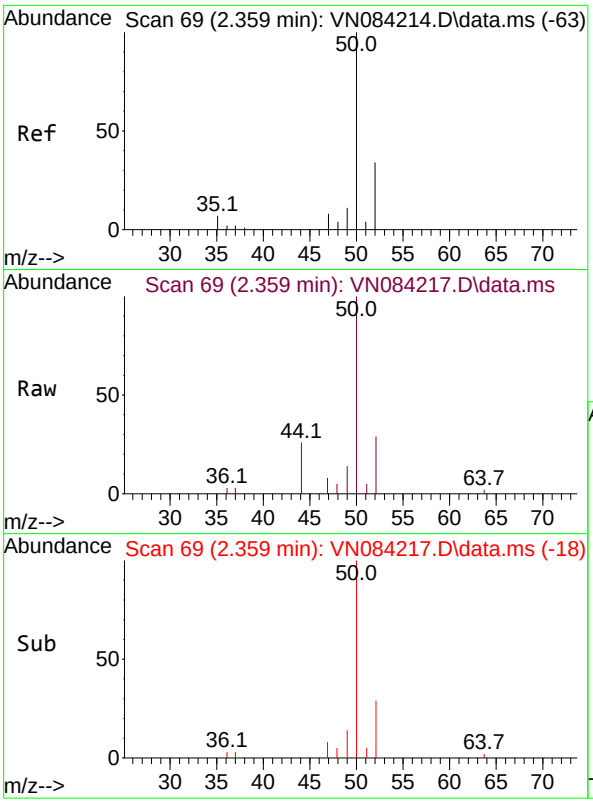


#2
Dichlorodifluoromethane
Concen: 5.132 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 85 Resp: 9807

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



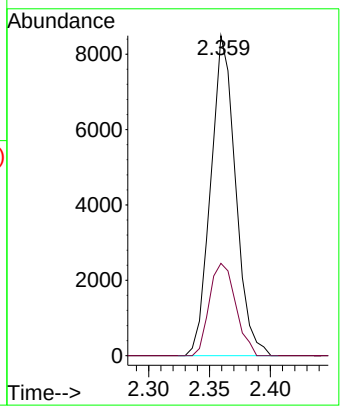


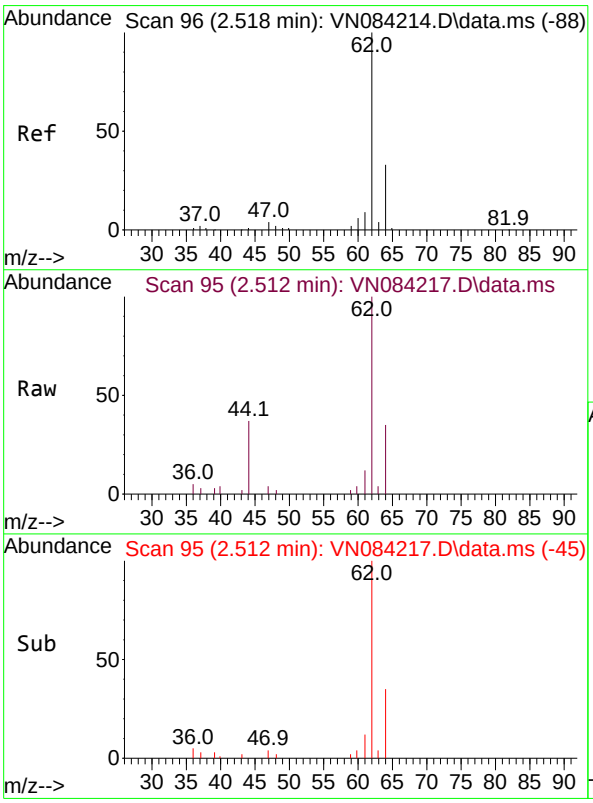
#3
Chloromethane
Concen: 5.529 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 12064

Ion	Ratio	Lower	Upper
50	100		
52	28.9	26.8	40.2

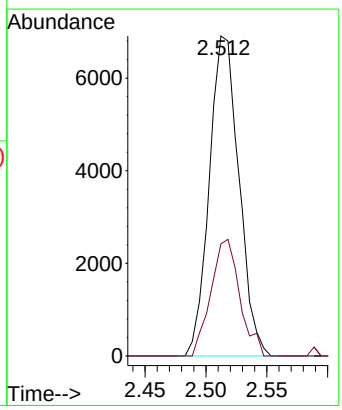


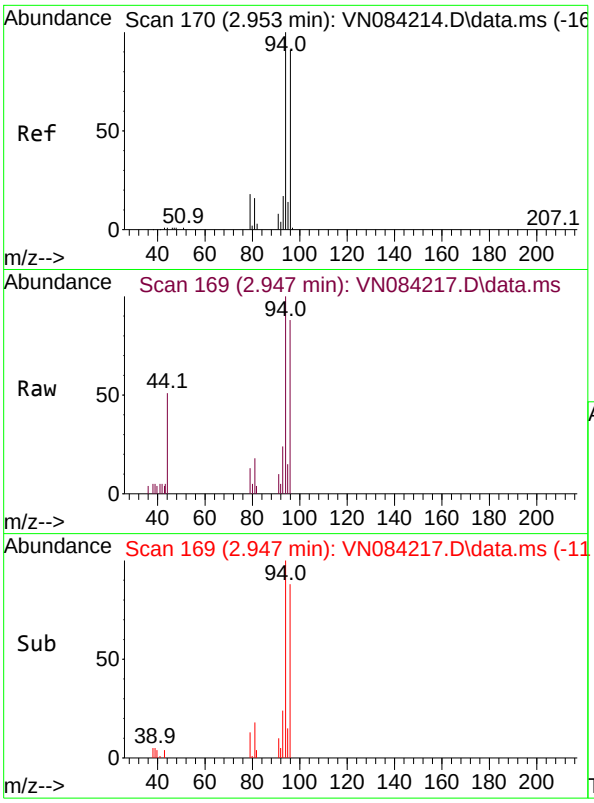


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 11701

Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.2	39.4



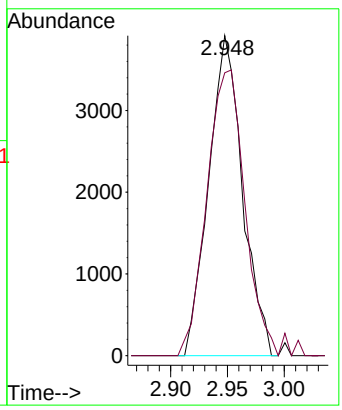


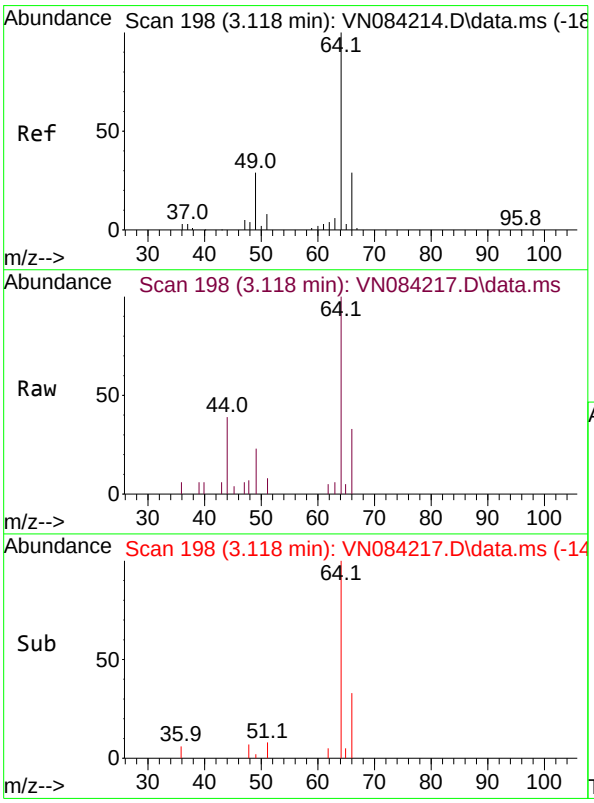
#5
Bromomethane
Concen: 5.804 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8091

Ion	Ratio	Lower	Upper
94	100		
96	88.4	72.9	109.3

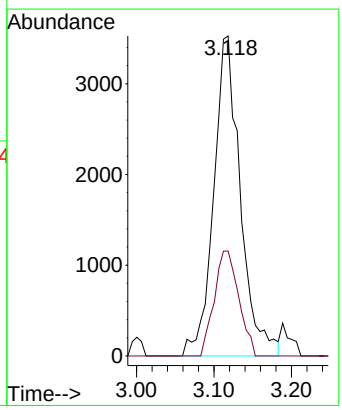


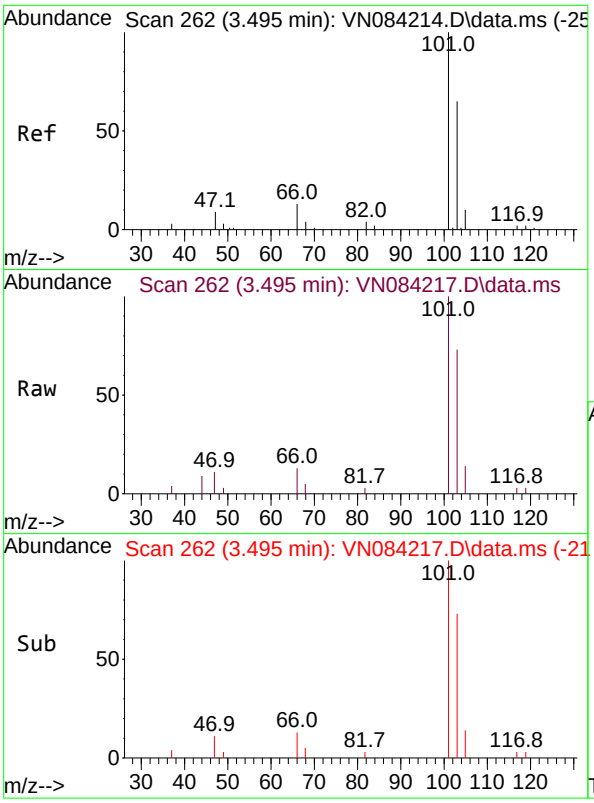


#6
Chloroethane
Concen: 5.571 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 64 Resp: 8433

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



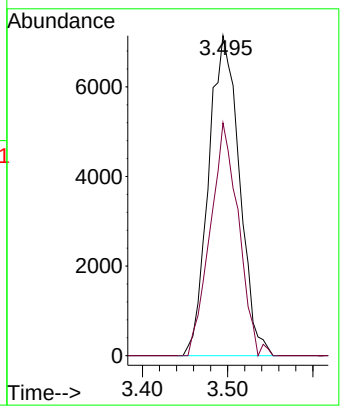


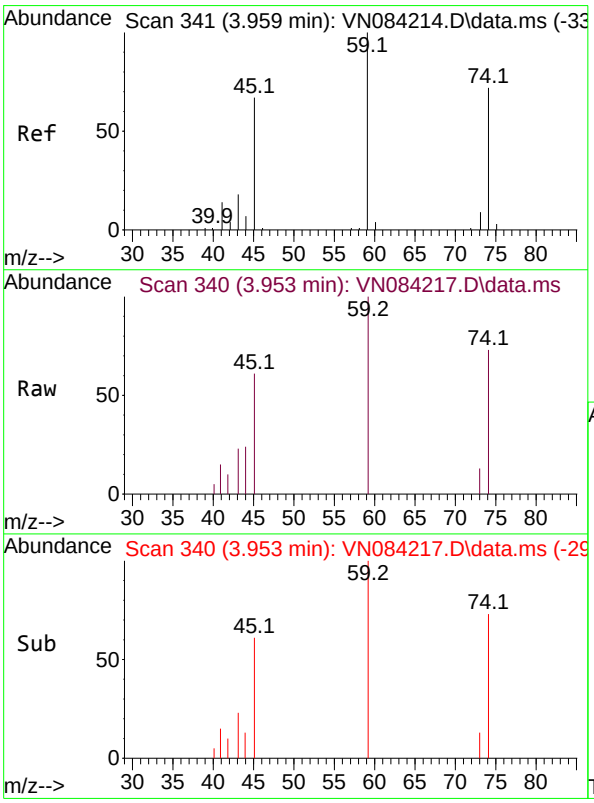
#7
Trichlorofluoromethane
Concen: 5.466 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17988

Ion	Ratio	Lower	Upper
101	100		
103	72.8	51.8	77.6

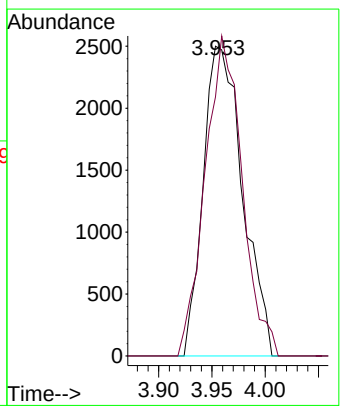


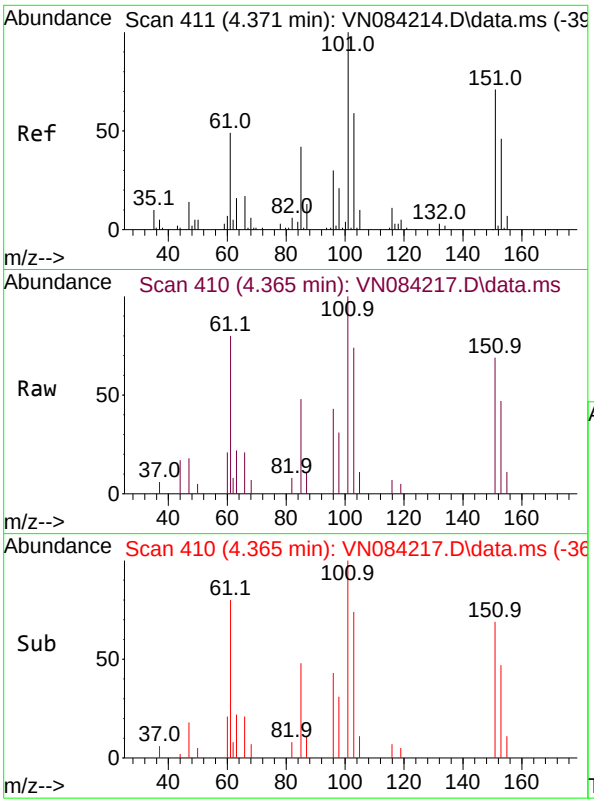


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 74 Resp: 6430

Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.7	143.1



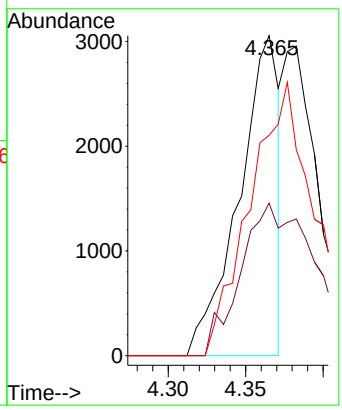


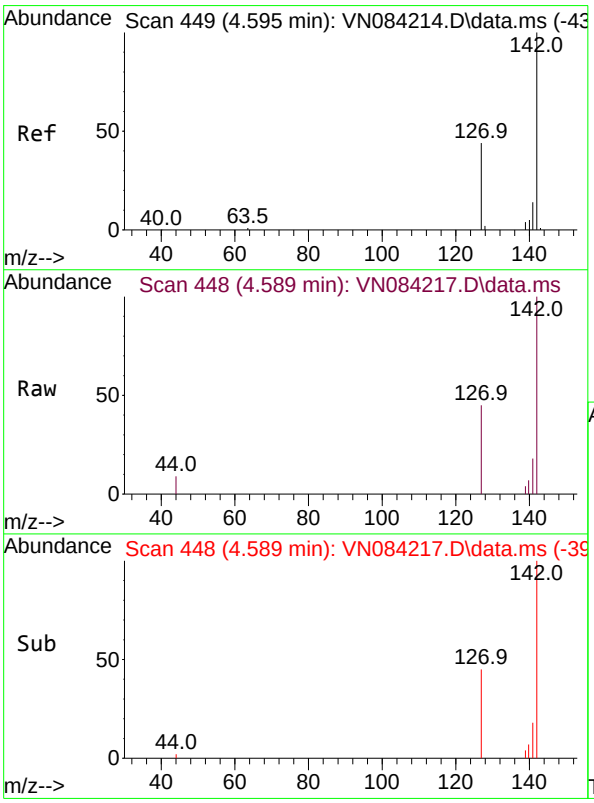
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.907 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

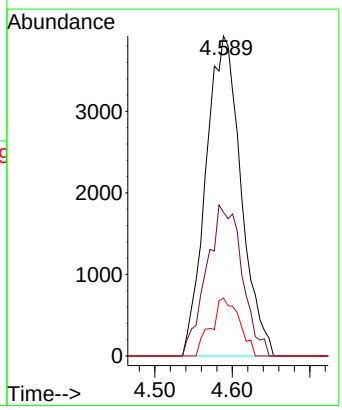


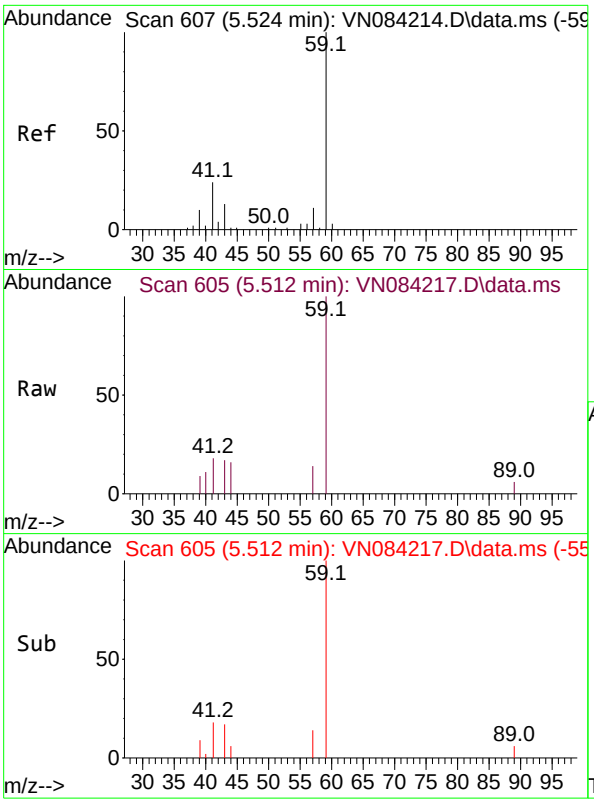


#10
Methyl Iodide
Concen: 5.083 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#



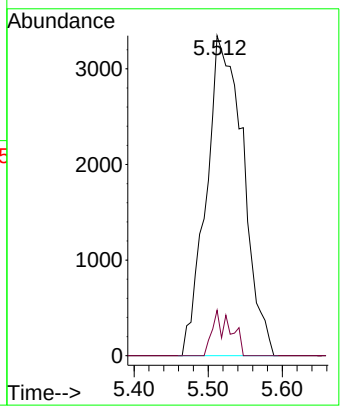


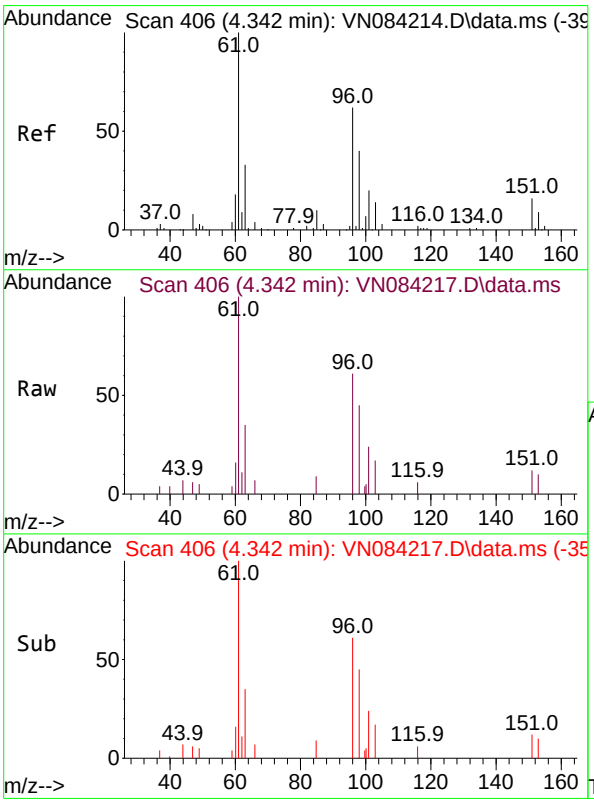
#11
Tert butyl alcohol
Concen: 29.211 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 11537

Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.2	12.2#

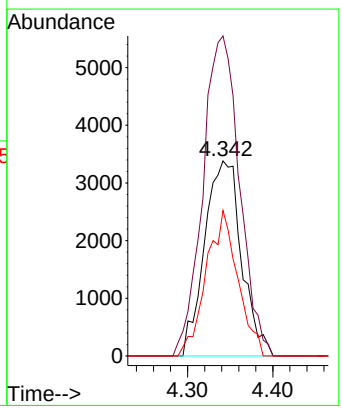


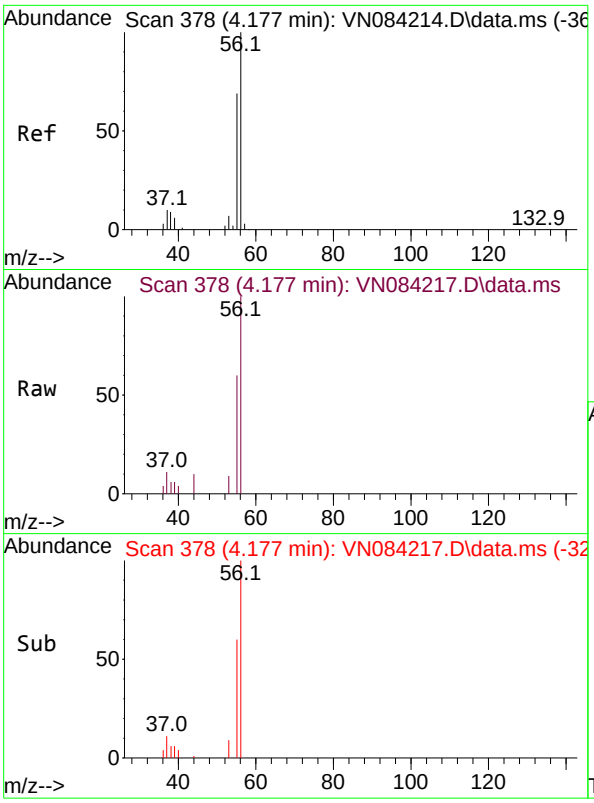


#12
1,1-Dichloroethene
Concen: 5.603 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



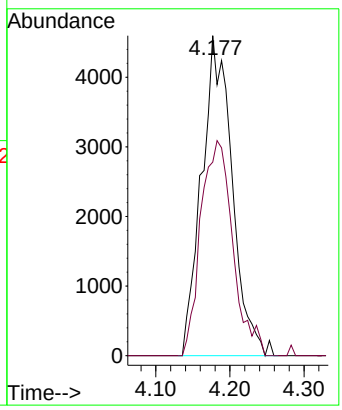


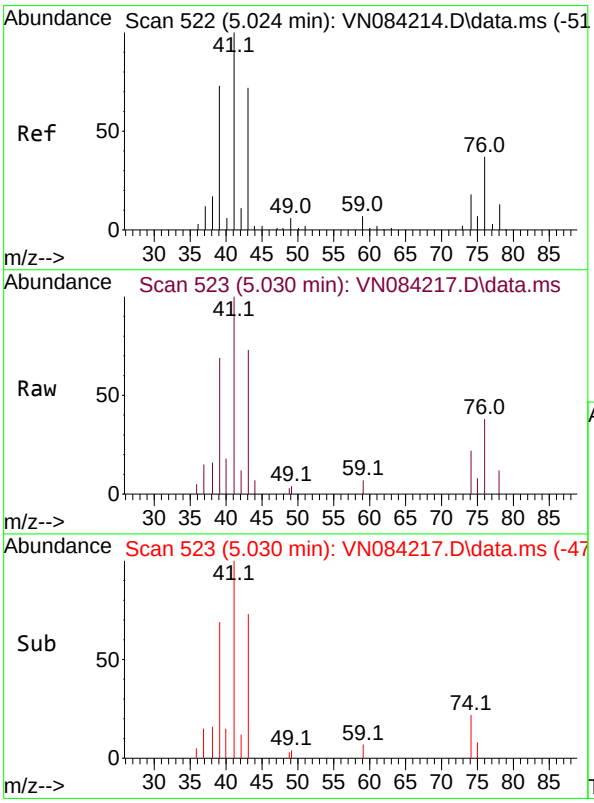
#13
Acrolein
Concen: 28.940 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 13122

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8

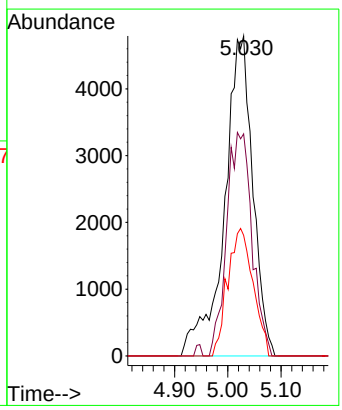


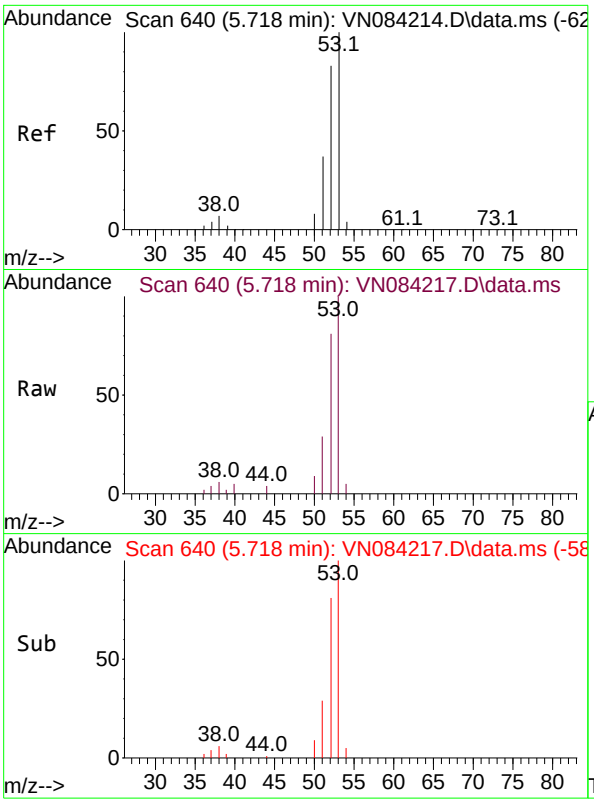


#14
Allyl chloride
Concen: 5.611 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



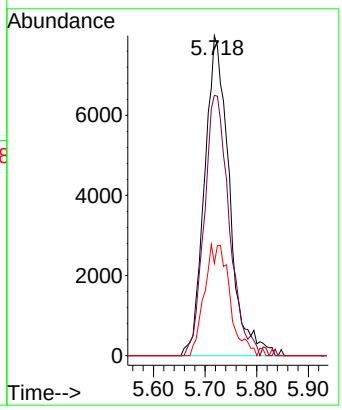


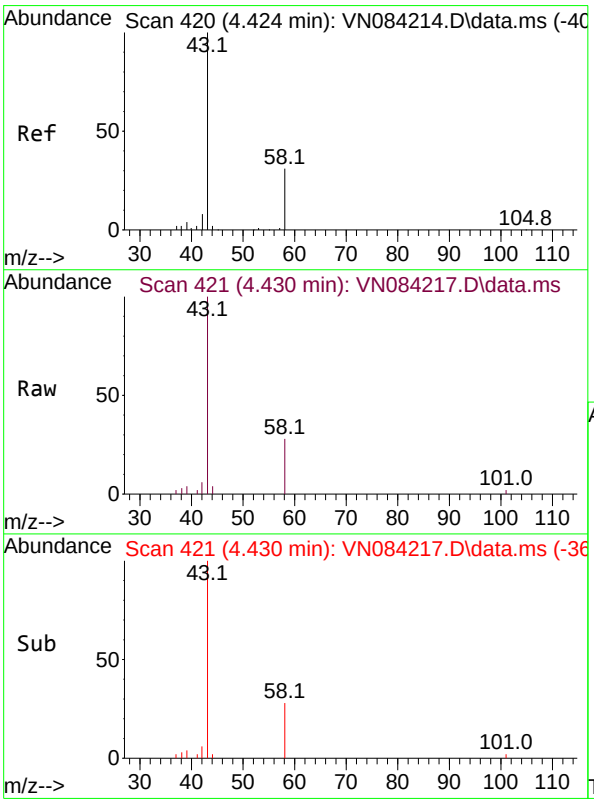
#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

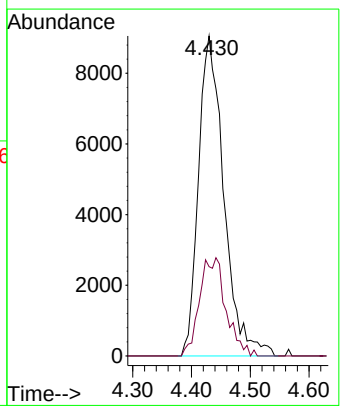


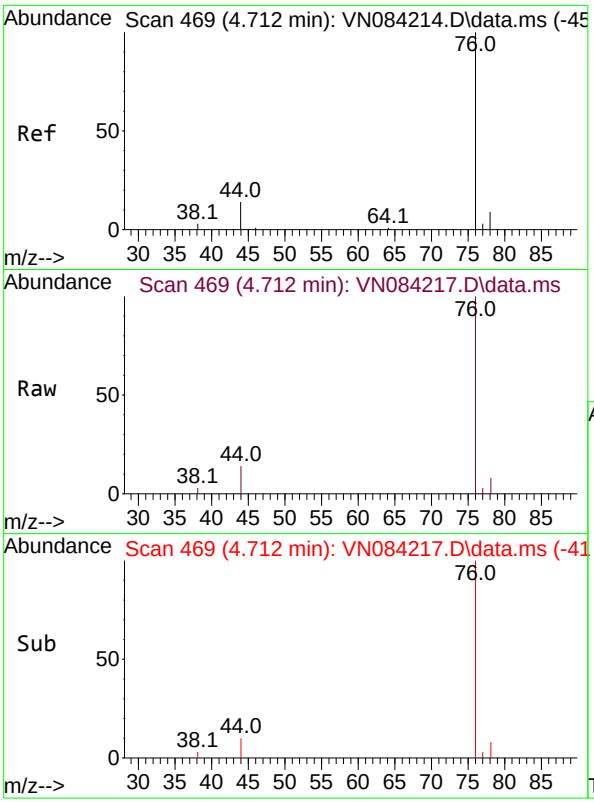


#16
Acetone
Concen: 26.389 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 27153

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.4	36.6



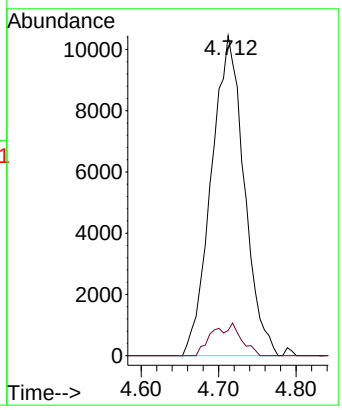


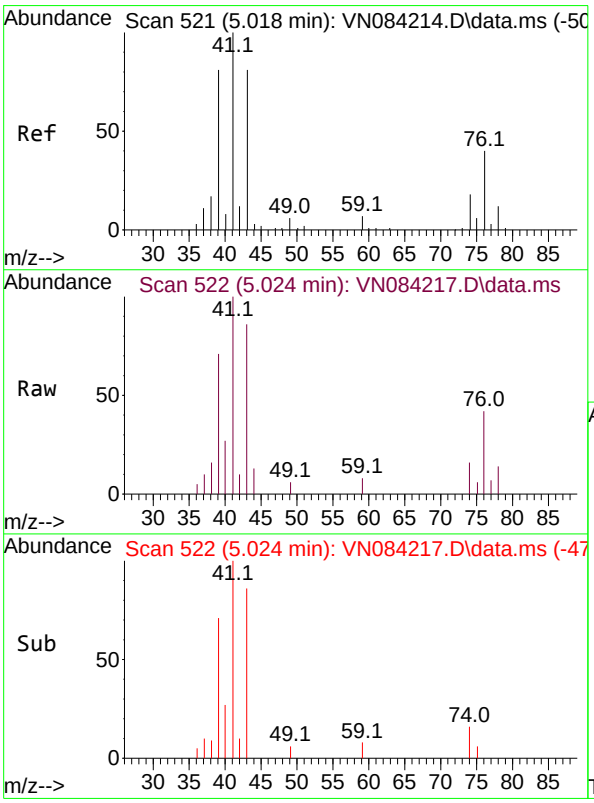
#17
Carbon Disulfide
Concen: 5.351 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30816

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

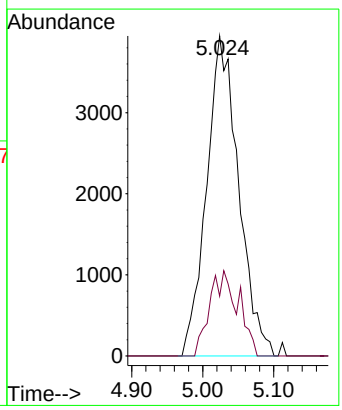


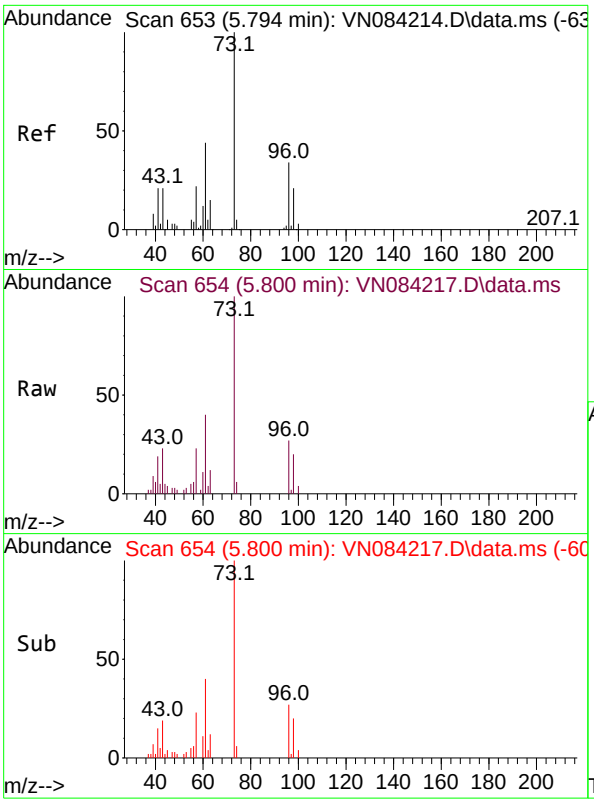


#18
Methyl Acetate
Concen: 5.509 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 43 Resp: 12354

Ion	Ratio	Lower	Upper
43	100		
74	9.9	19.2	28.8#



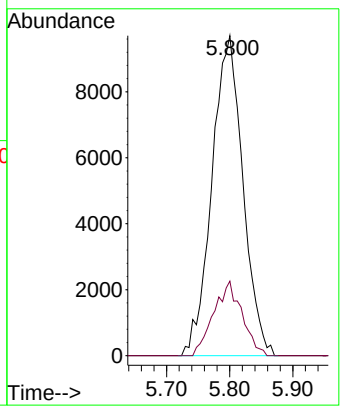


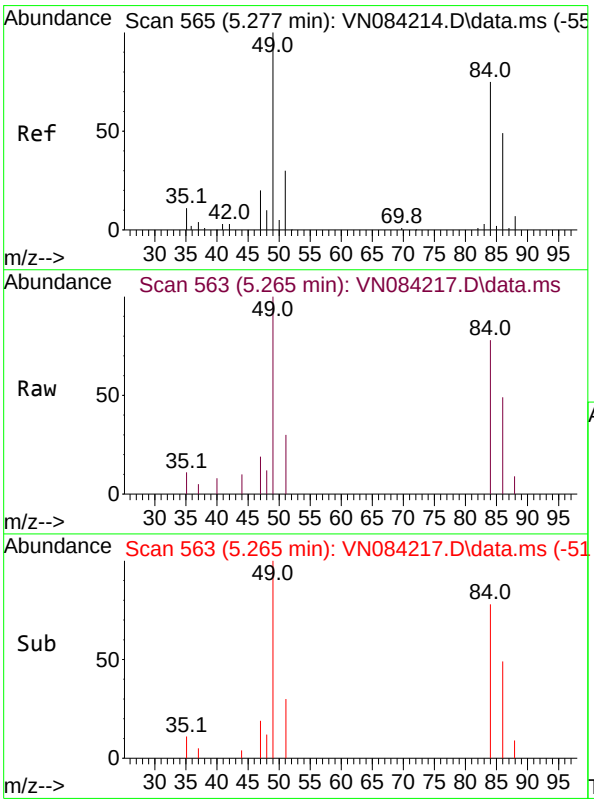
#19
Methyl tert-butyl Ether
Concen: 5.392 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 33101

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5

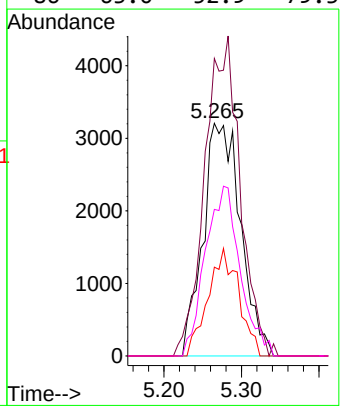


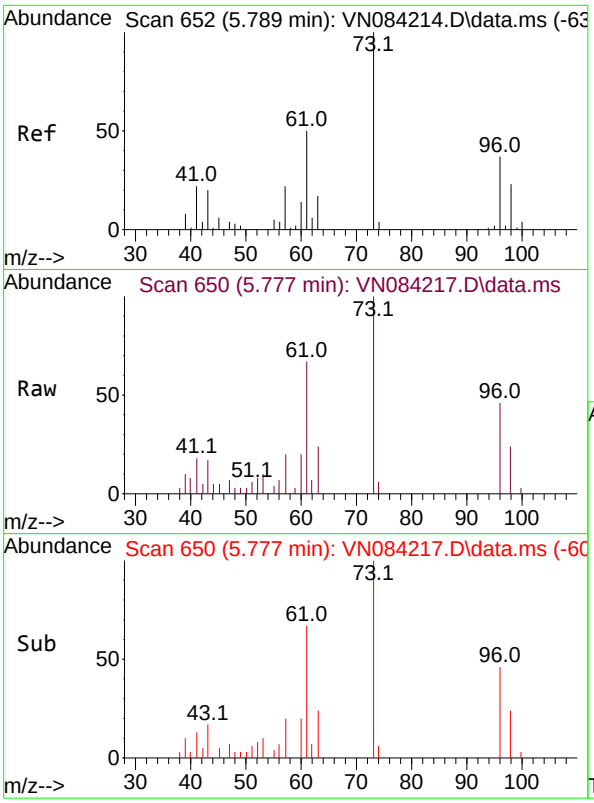


#20
Methylene Chloride
Concen: 5.168 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



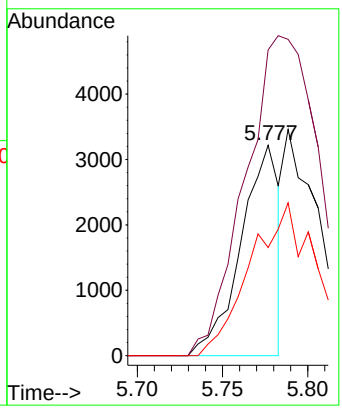


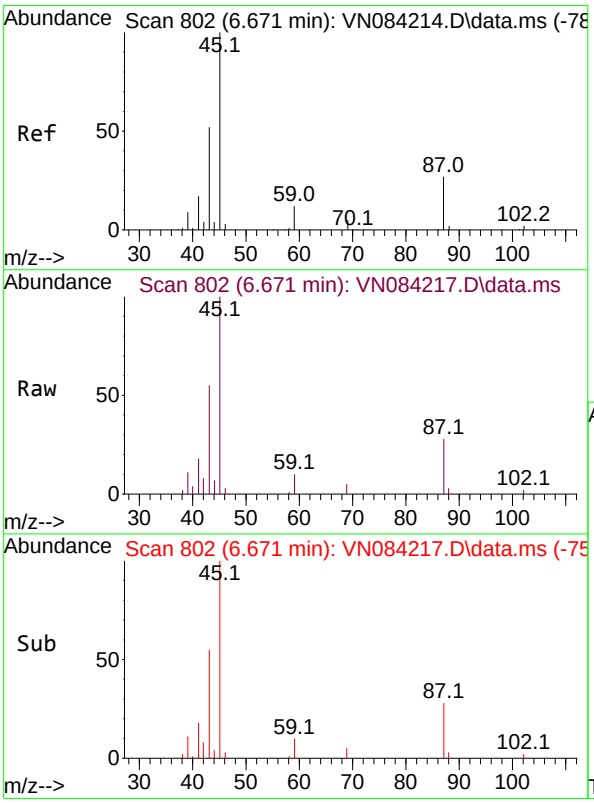
#21
trans-1,2-Dichloroethene
Concen: 2.626 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

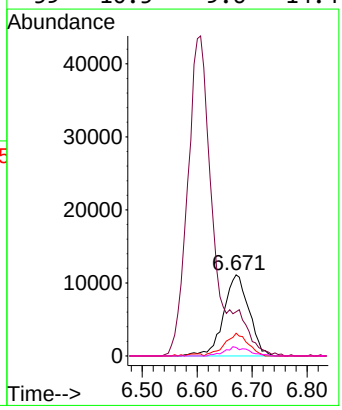


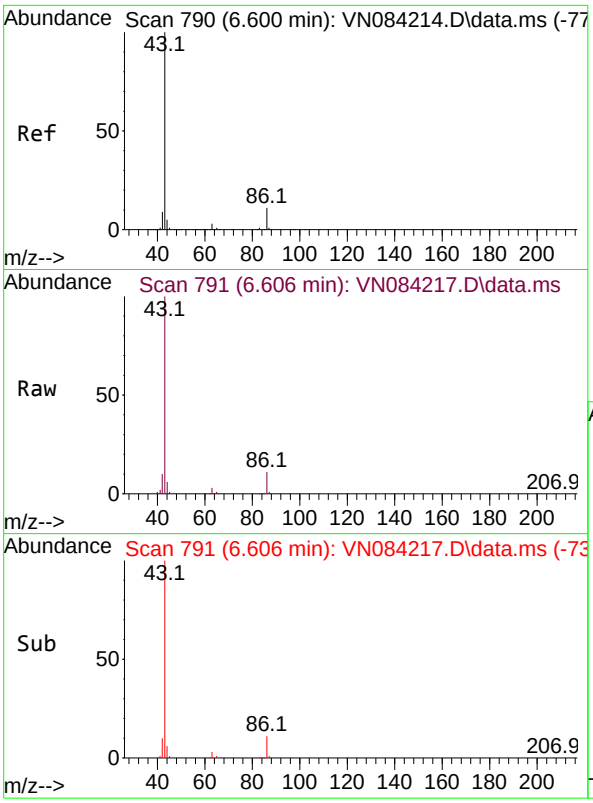


#22
Diisopropyl ether
Concen: 5.457 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



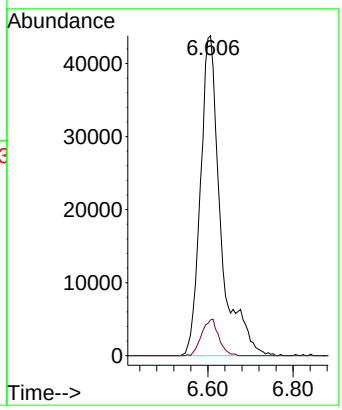


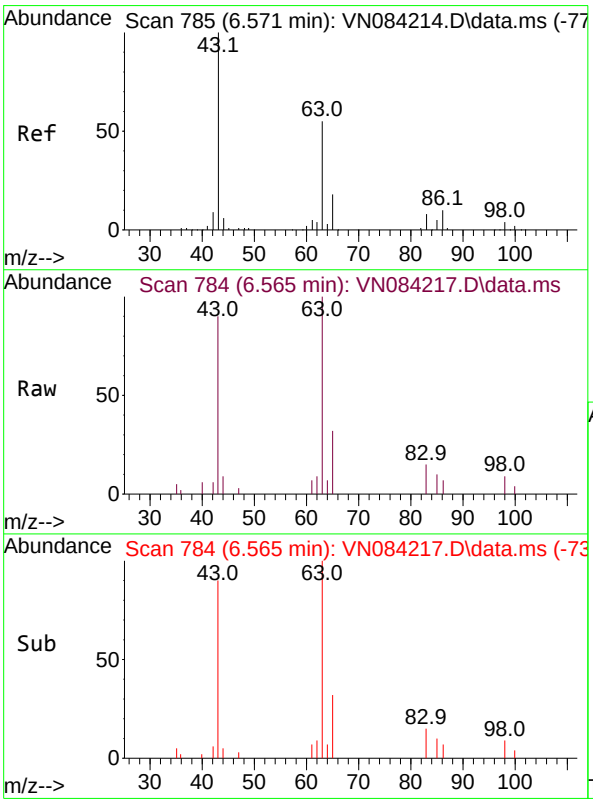
#23
Vinyl Acetate
Concen: 29.570 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 144069

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

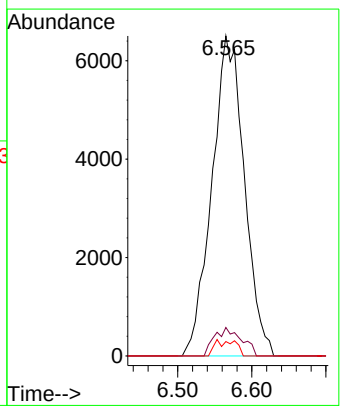


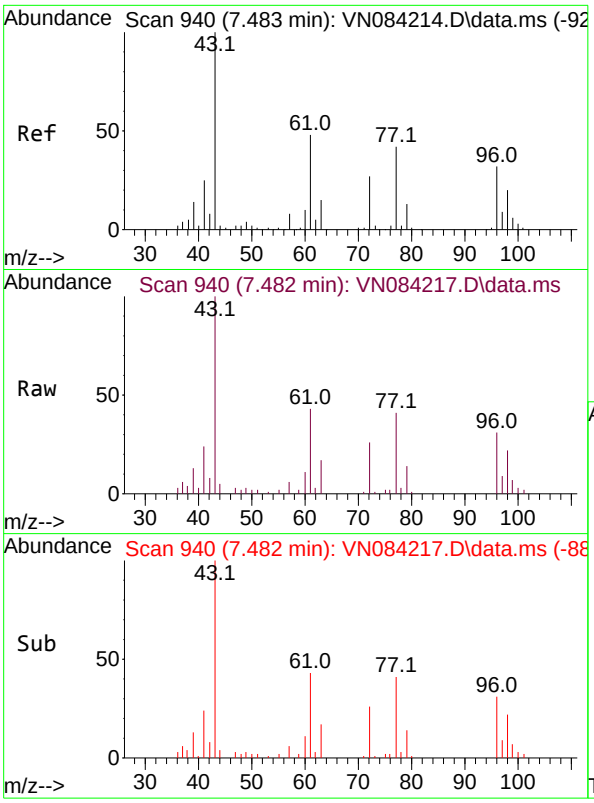


#24
1,1-Dichloroethane
Concen: 5.419 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



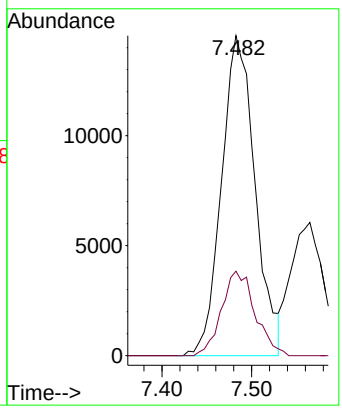


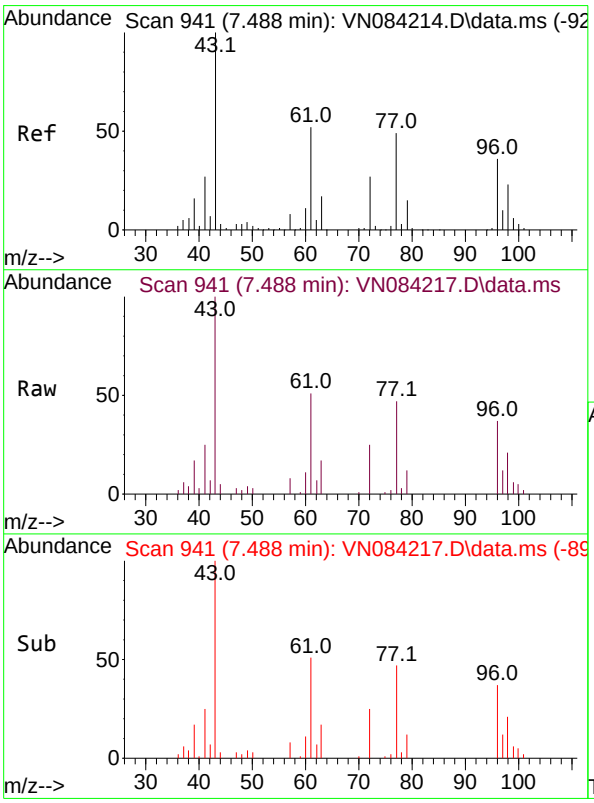
#25
2-Butanone
Concen: 26.929 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 37739

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

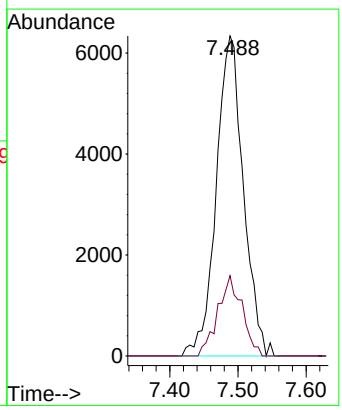


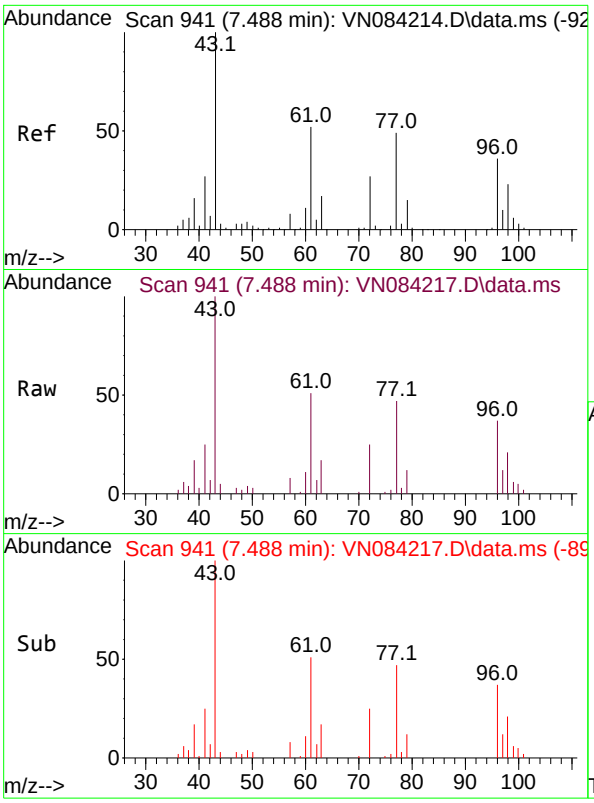


#26
2,2-Dichloropropane
Concen: 5.327 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 77 Resp: 17552

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



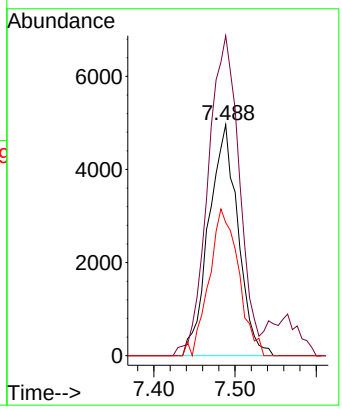


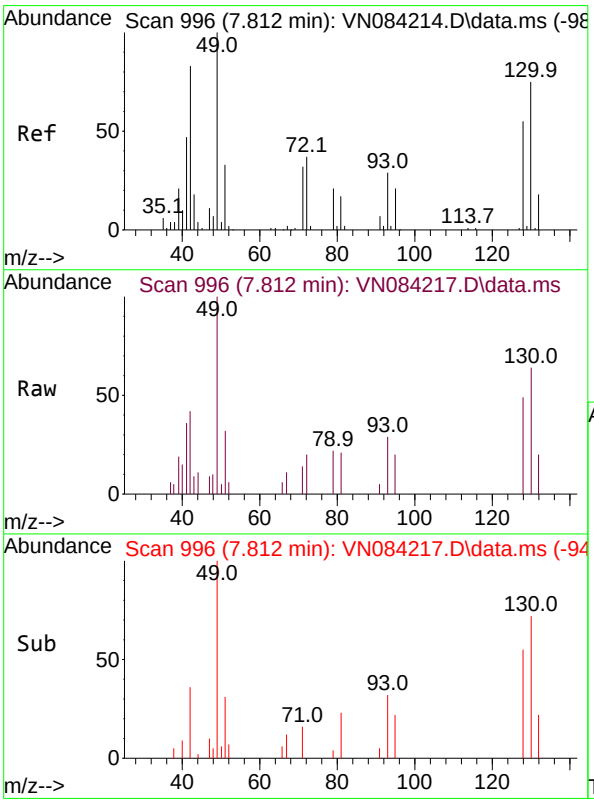
#27
cis-1,2-Dichloroethene
Concen: 5.380 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

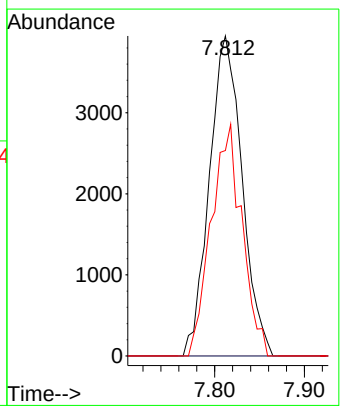


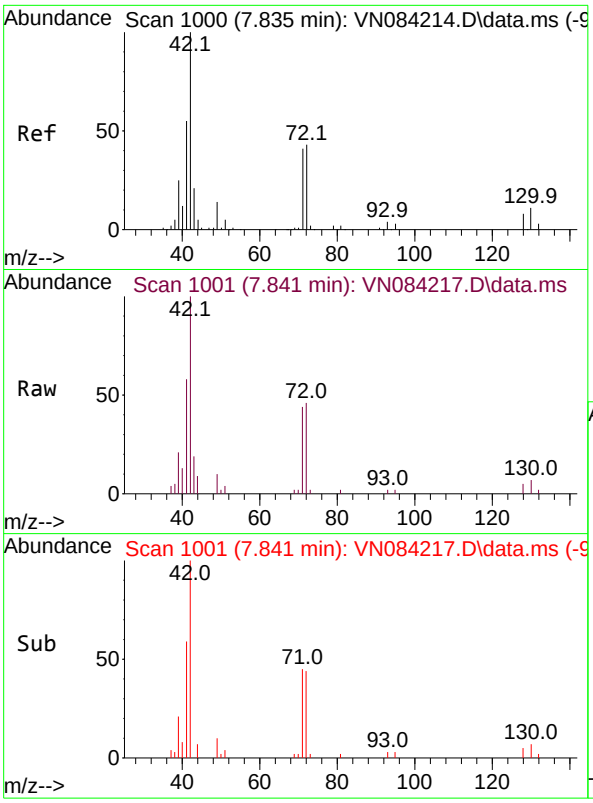


#28
Bromochloromethane
Concen: 6.131 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



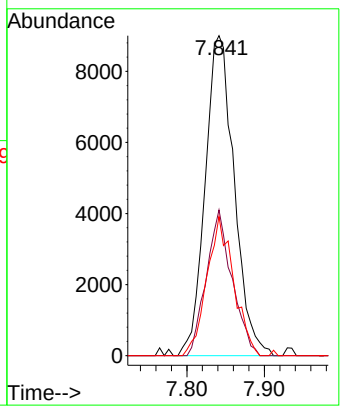


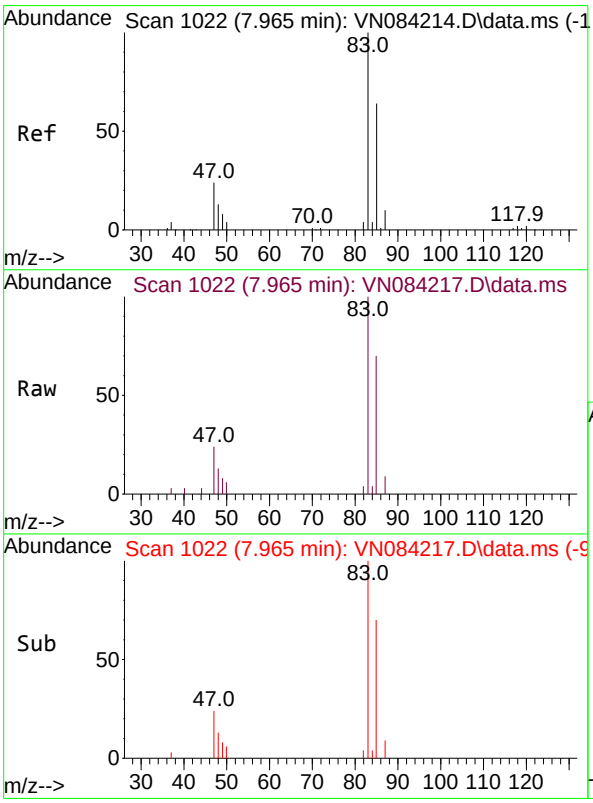
#29
Tetrahydrofuran
Concen: 27.121 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

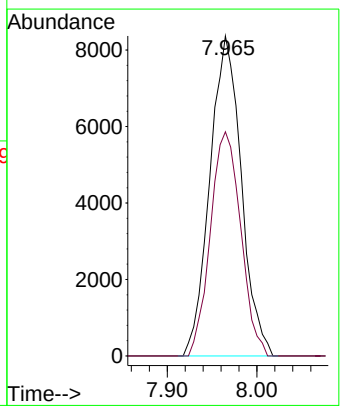


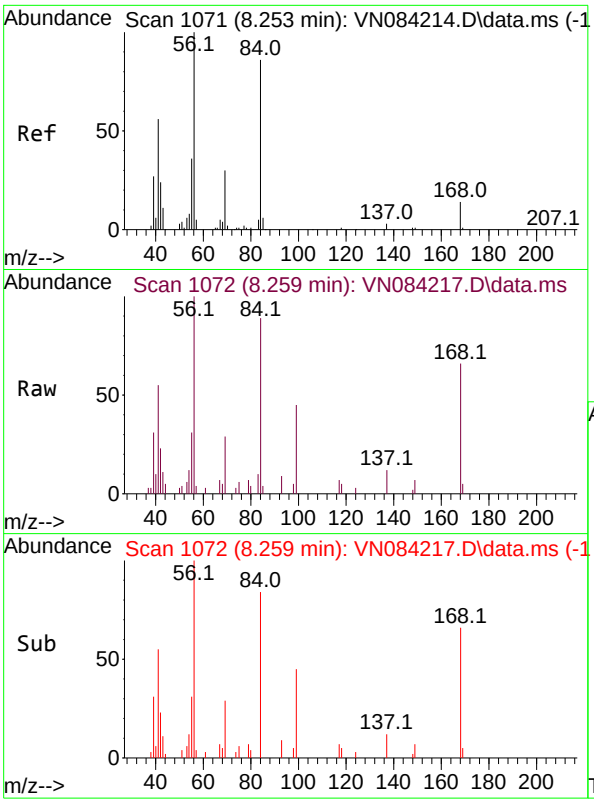


#30
Chloroform
Concen: 5.359 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 83 Resp: 20341

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.0	76.4



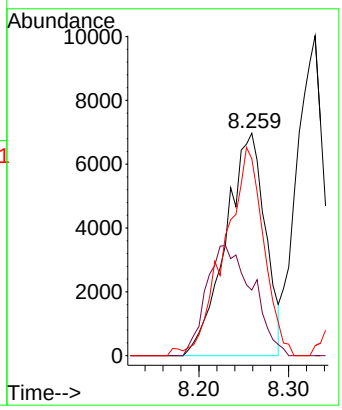


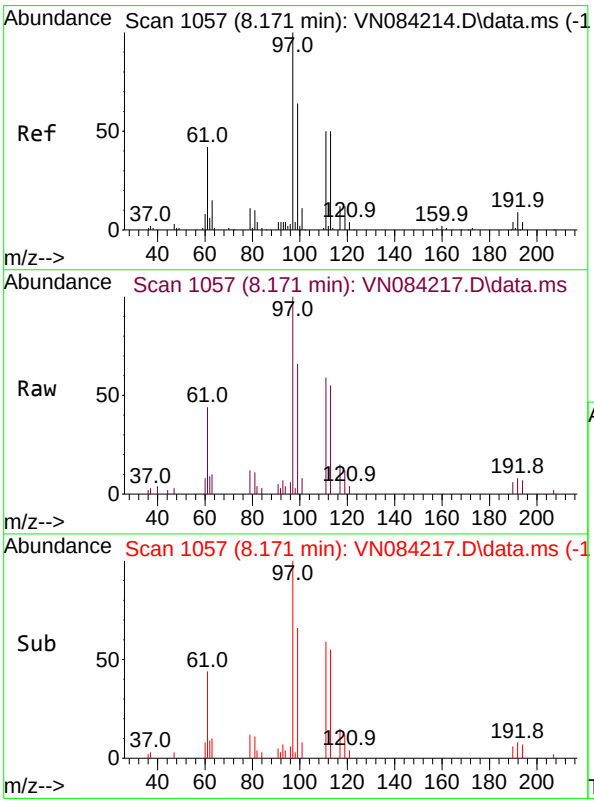
#31
Cyclohexane
Concen: 6.014 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

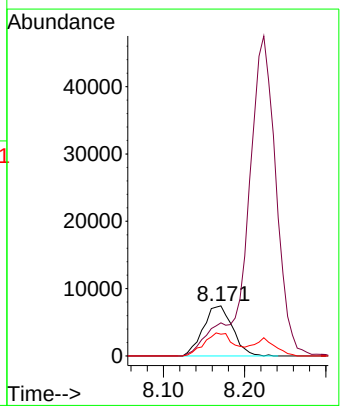


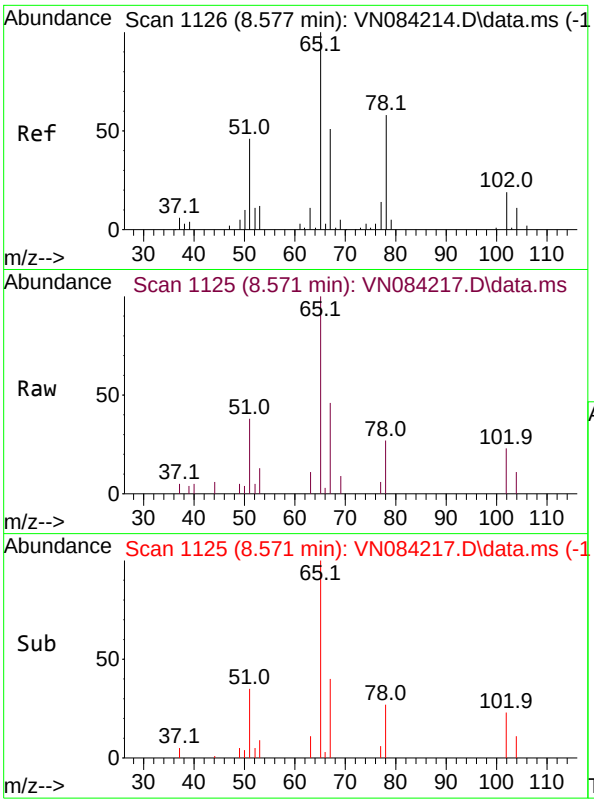


#32
1,1,1-Trichloroethane
Concen: 5.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



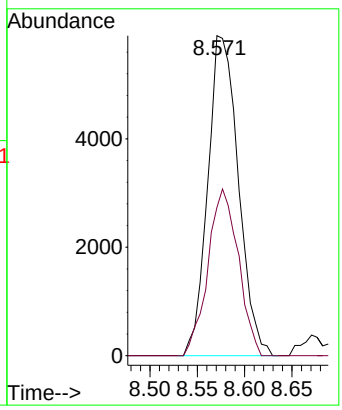


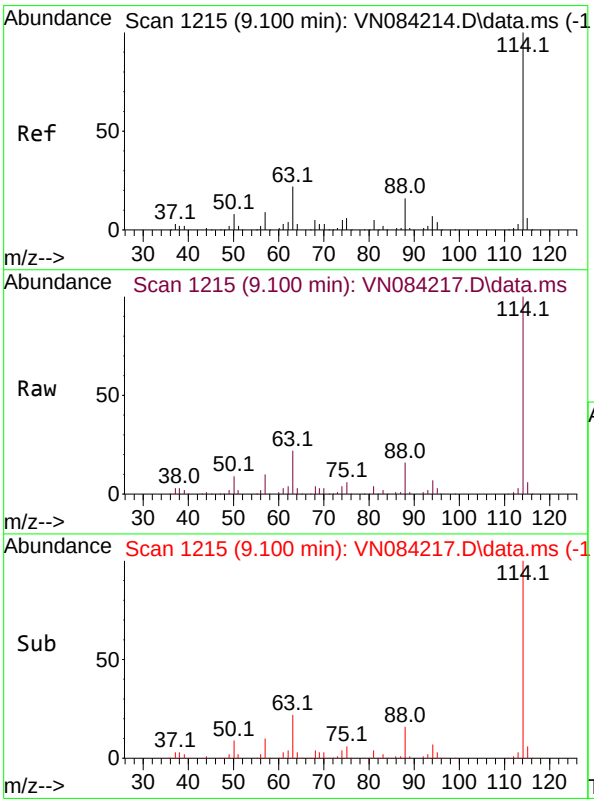
#33
1,2-Dichloroethane-d4
Concen: 5.537 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13262

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0

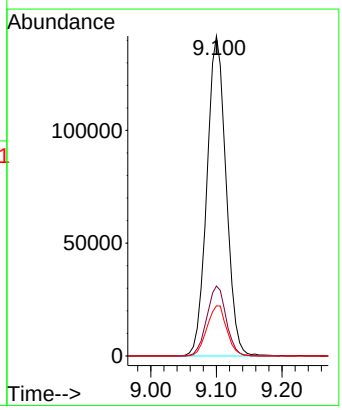


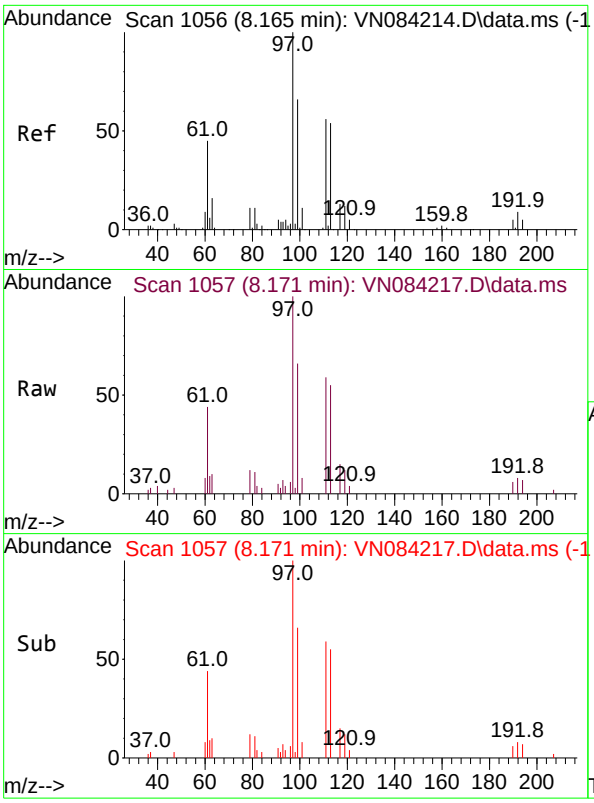


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



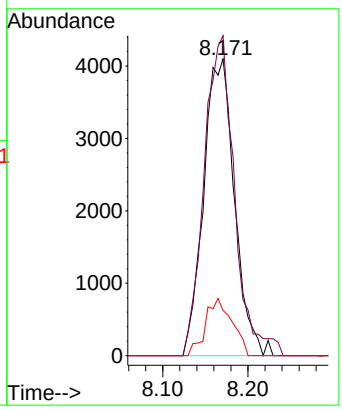


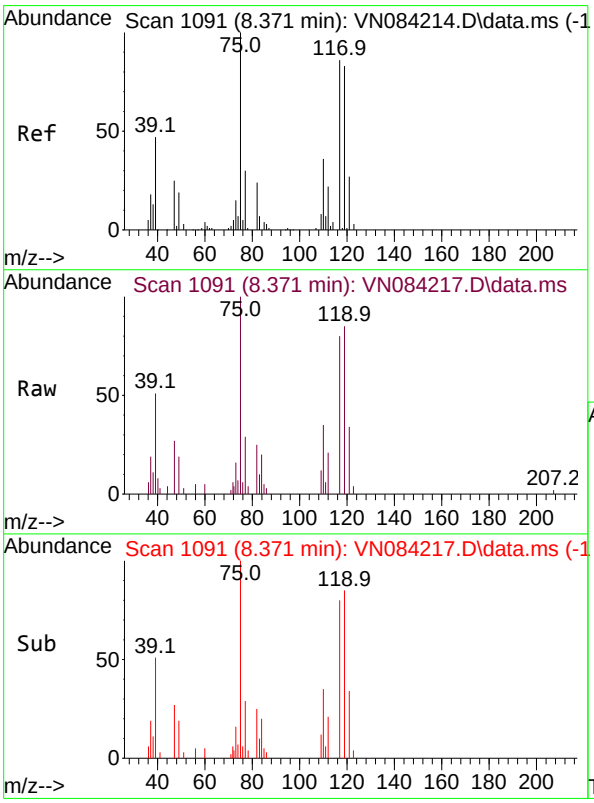
#35
Dibromofluoromethane
Concen: 5.441 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

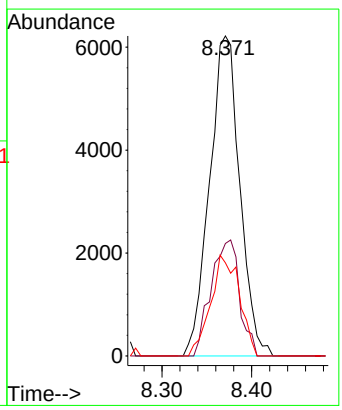


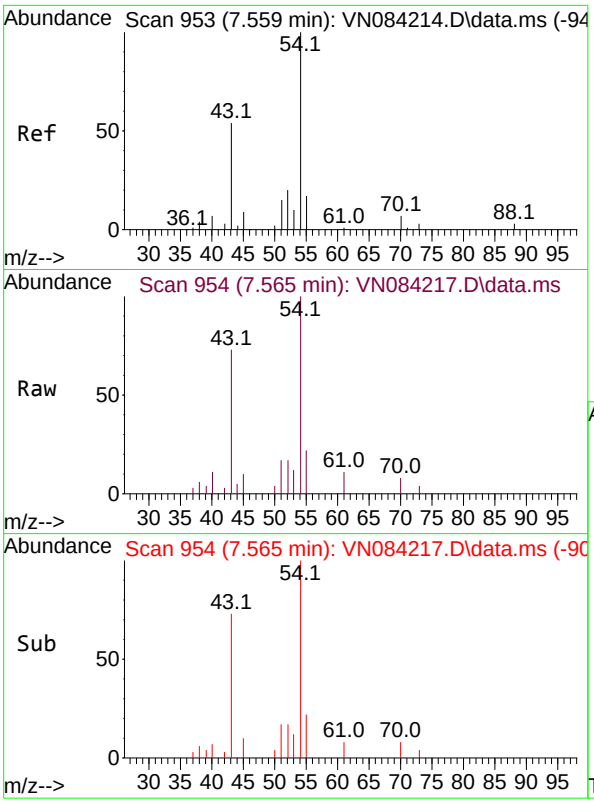


#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



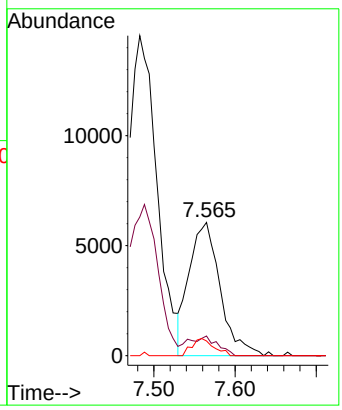


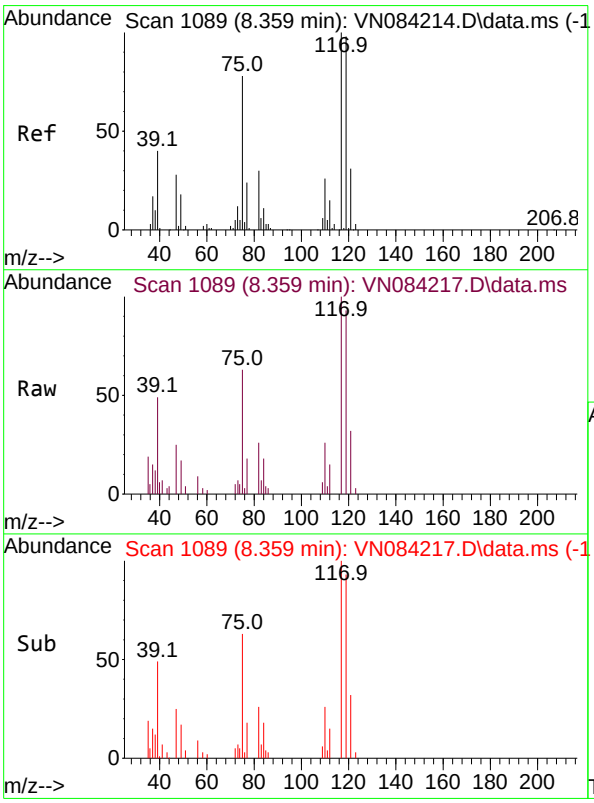
#37
Ethyl Acetate
Concen: 5.702 ug/l
RT: 7.565 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

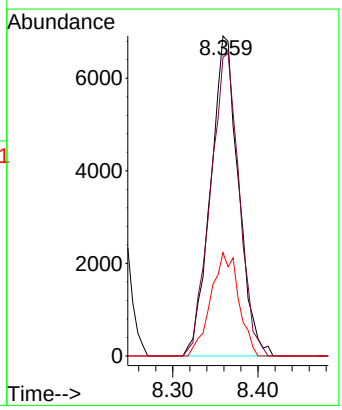


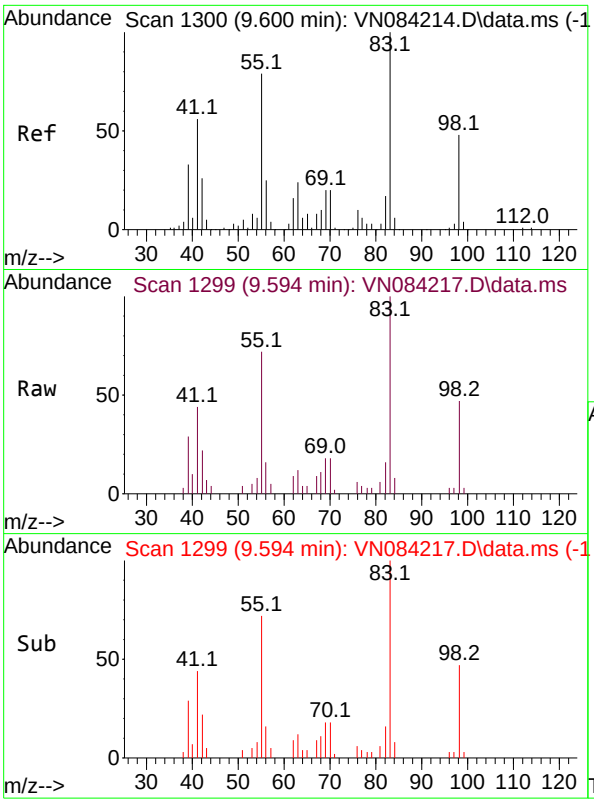


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



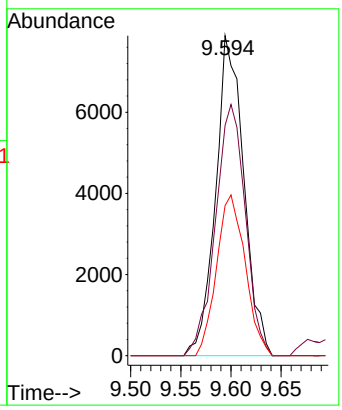


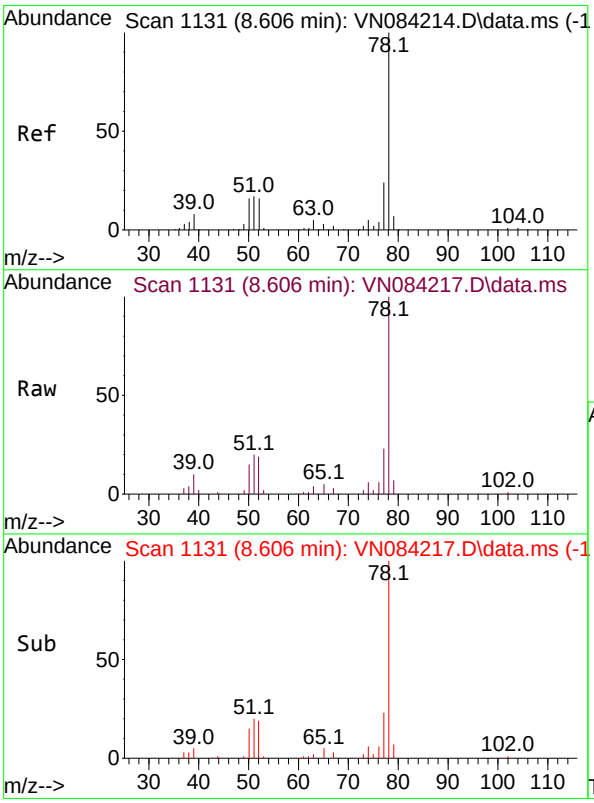
#39
Methylcyclohexane
Concen: 5.009 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

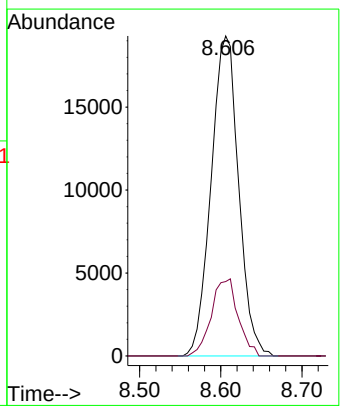


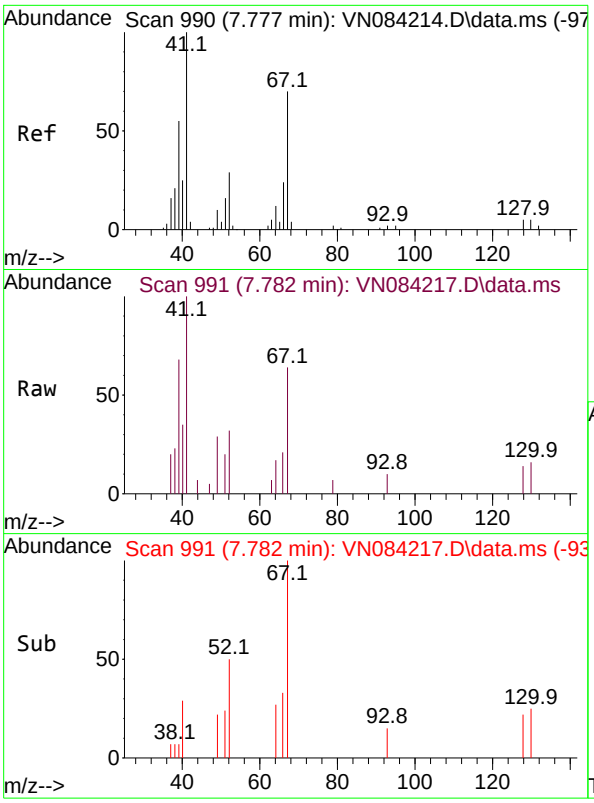


#40
Benzene
Concen: 5.276 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 78 Resp: 45343

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



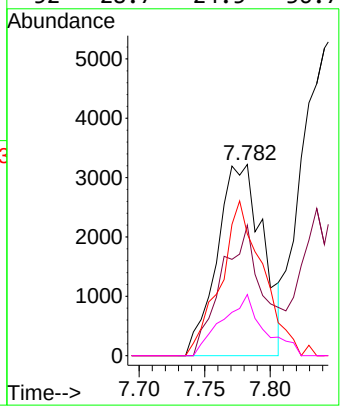


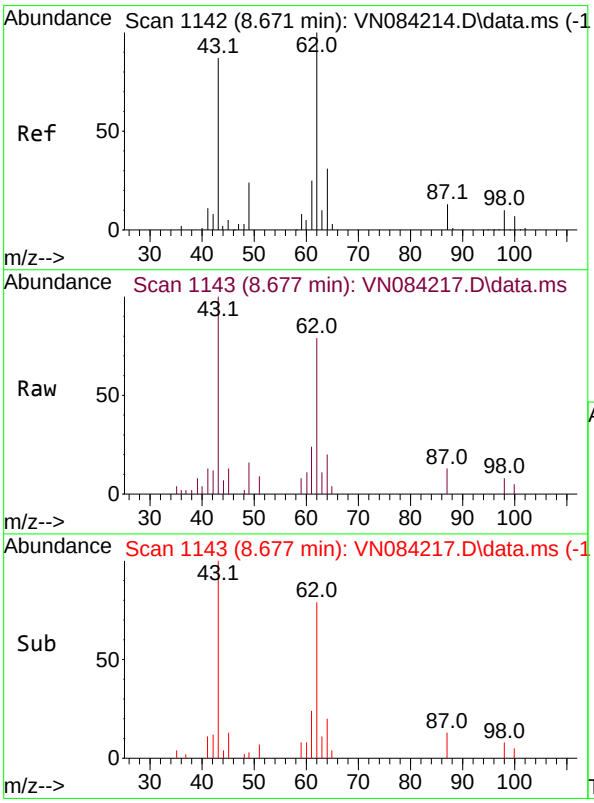
#41
Methacrylonitrile
Concen: 5.128 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

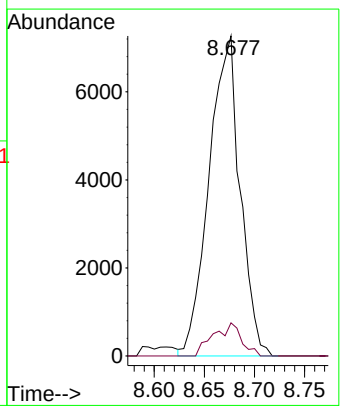


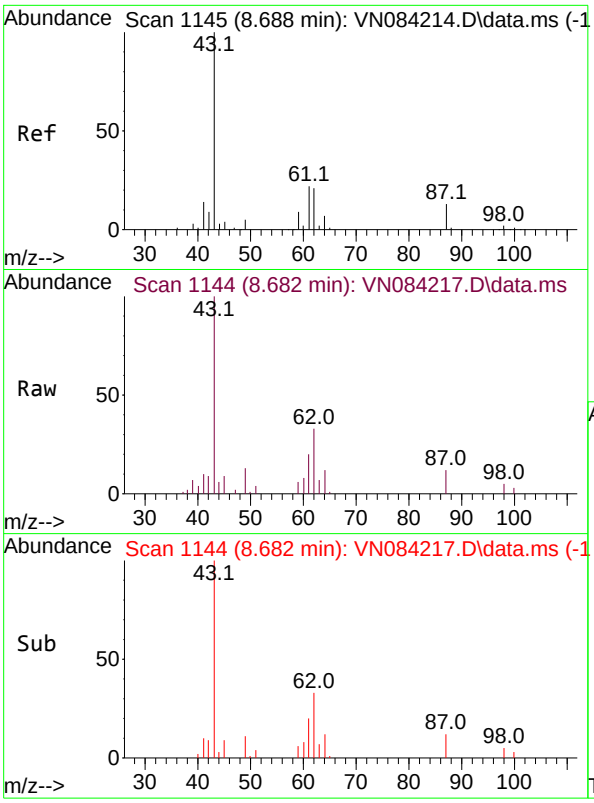


#42
1,2-Dichloroethane
Concen: 5.375 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 62 Resp: 15661

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



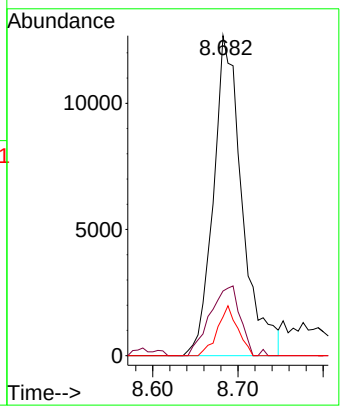


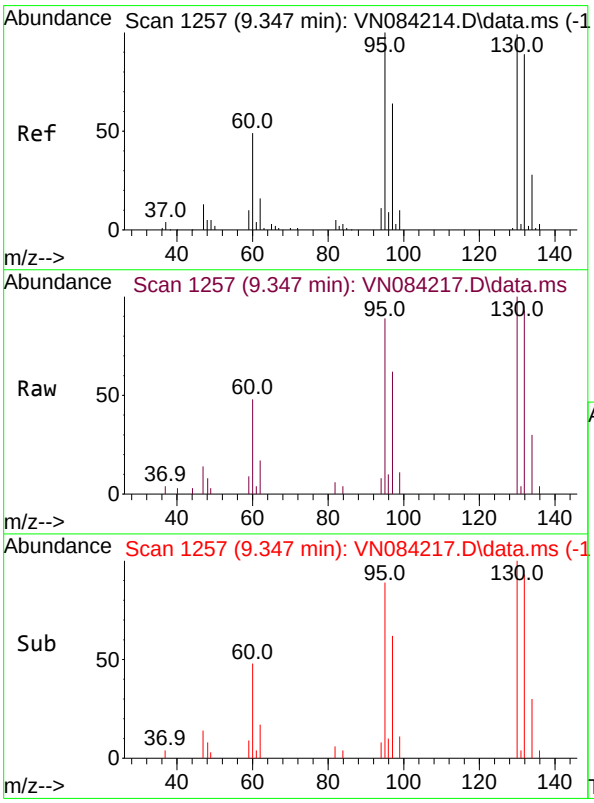
#43
Isopropyl Acetate
Concen: 5.374 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

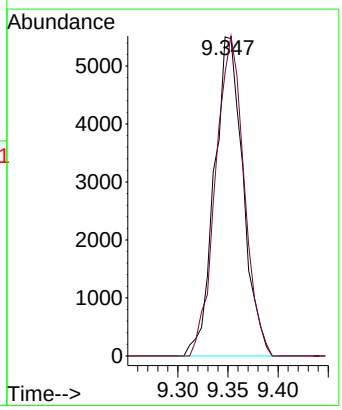


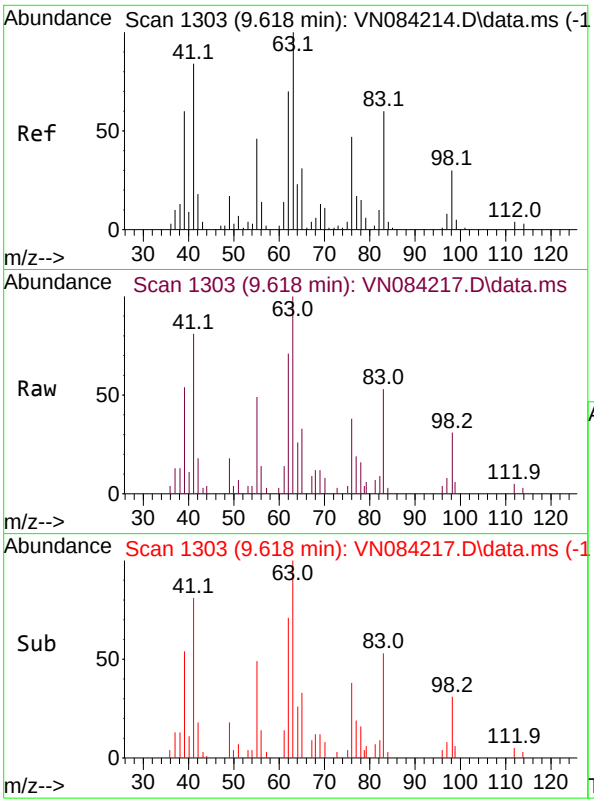


#44
Trichloroethene
Concen: 5.440 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:130 Resp: 10921

Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	203.0



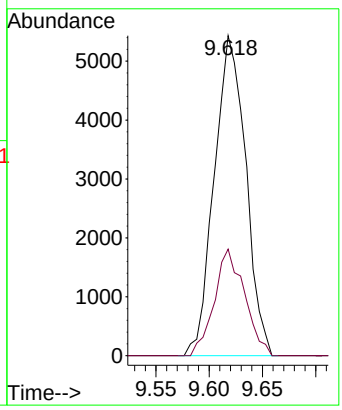


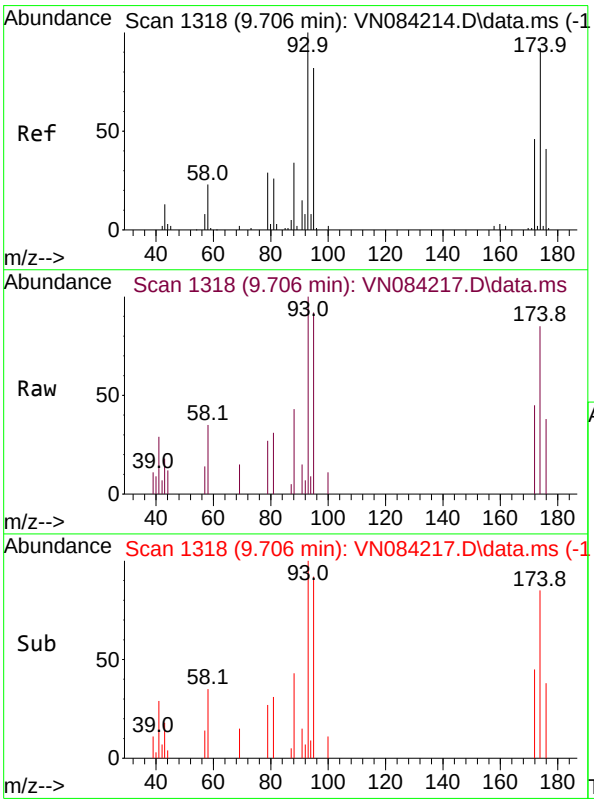
#45
1,2-Dichloropropane
Concen: 5.499 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11181

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0

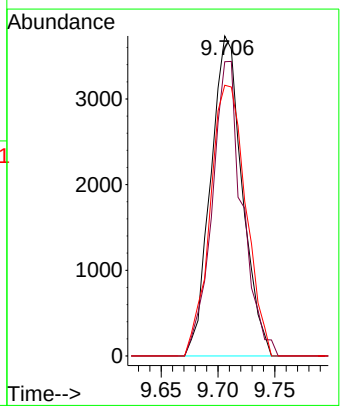


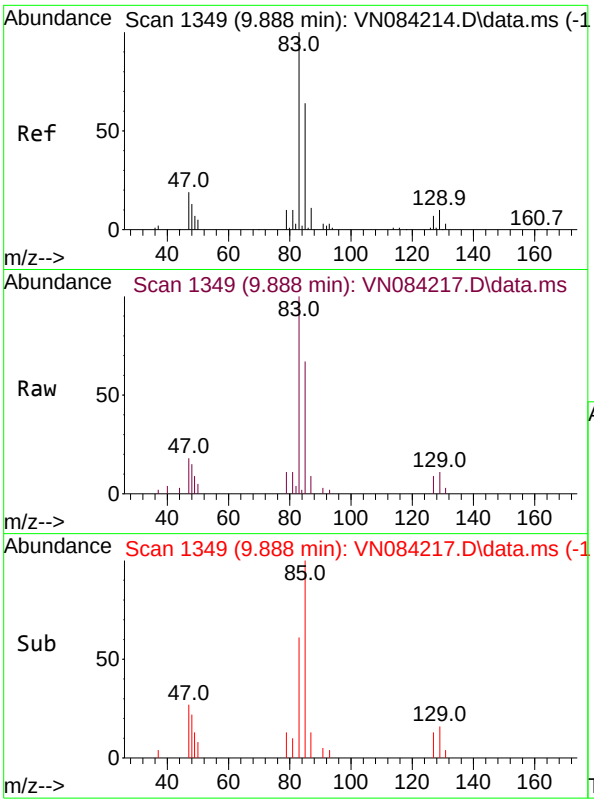


#46
Dibromomethane
Concen: 5.253 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



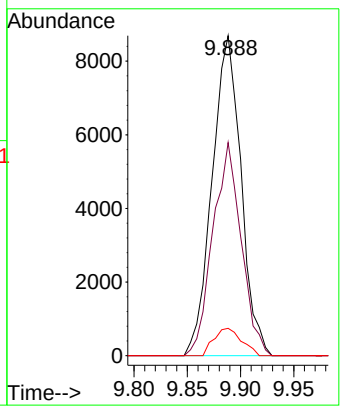


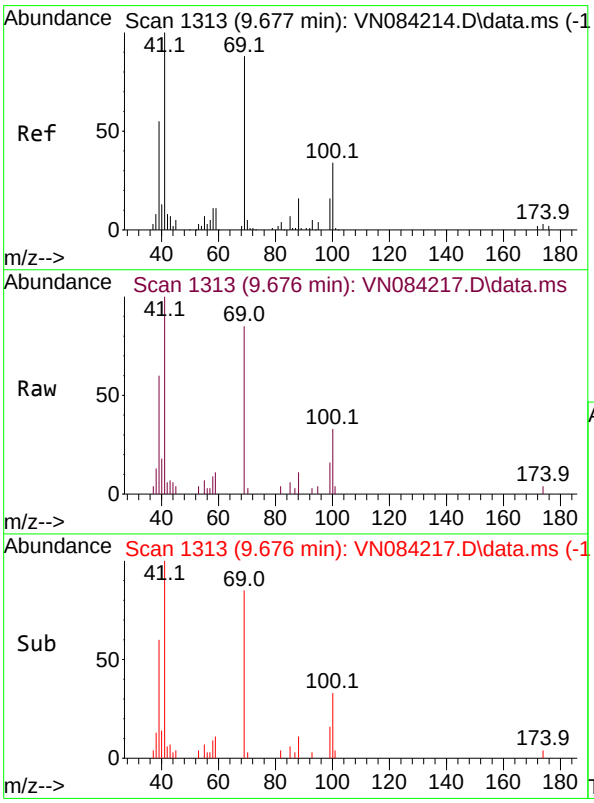
#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

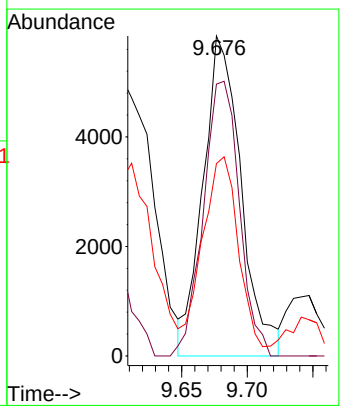


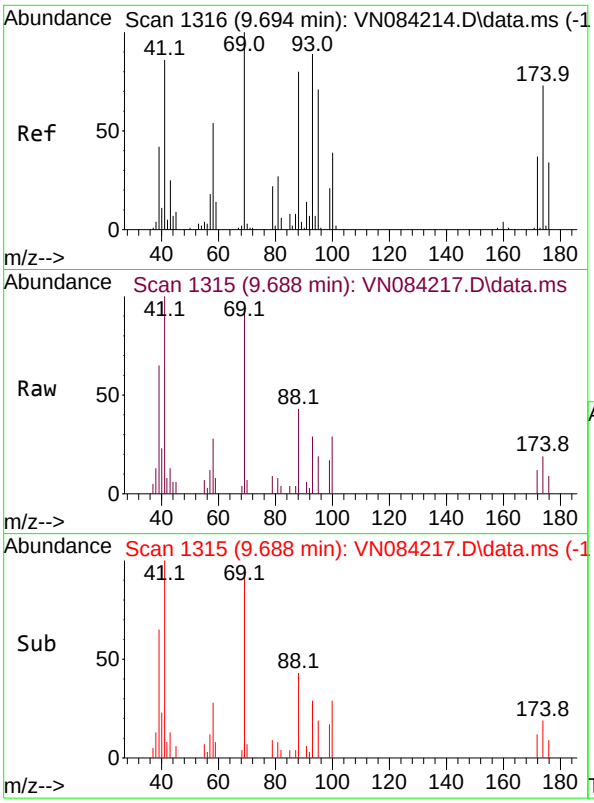


#48
Methyl methacrylate
Concen: 5.332 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



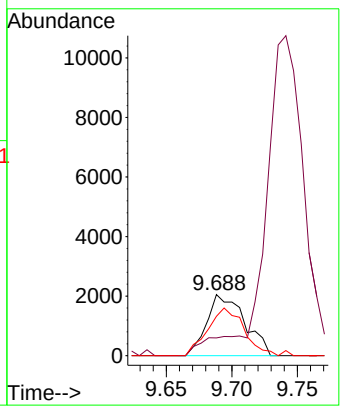


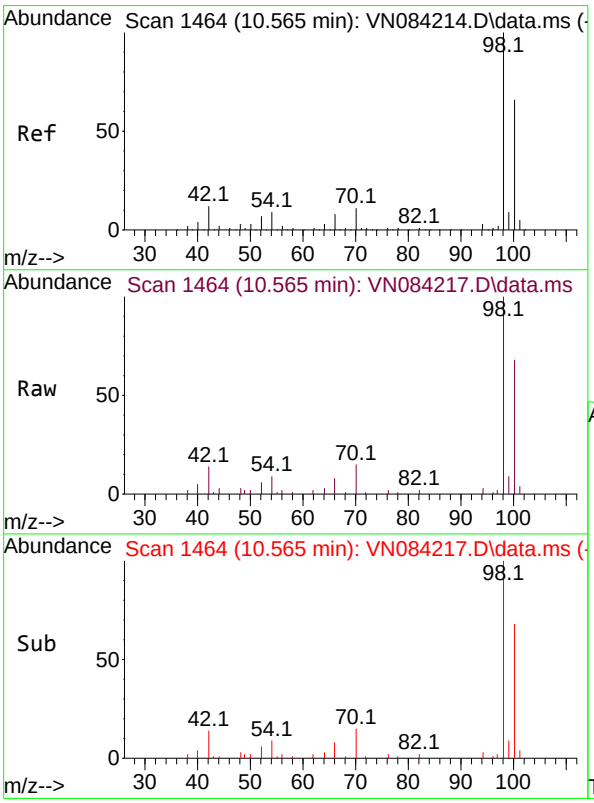
#49
1,4-Dioxane
Concen: 101.444 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

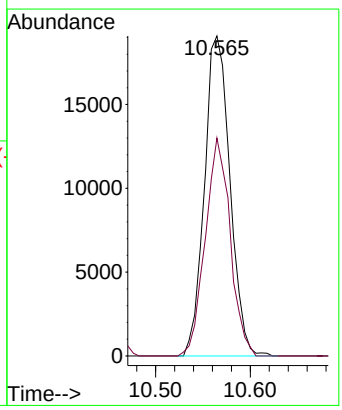


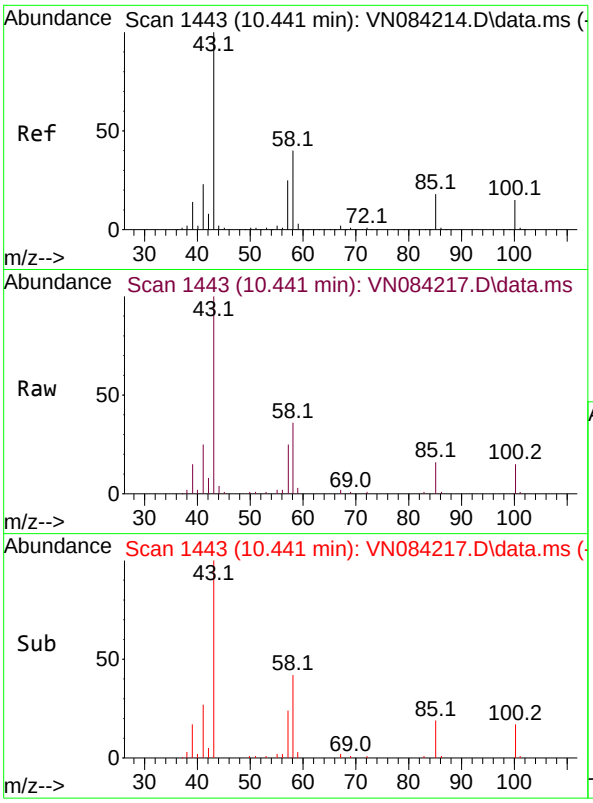


#50
Toluene-d8
Concen: 5.121 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 98 Resp: 35782

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1



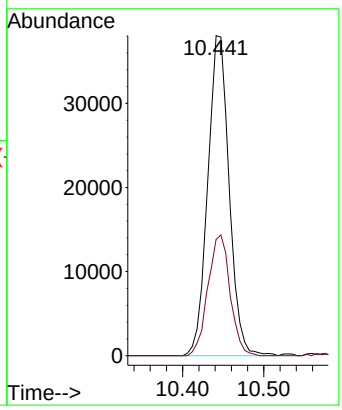


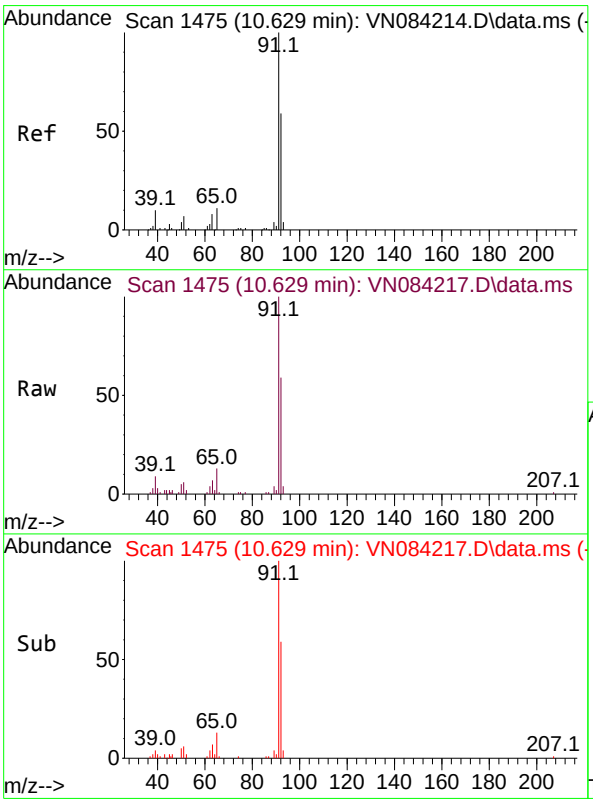
#51
4-Methyl-2-Pentanone
Concen: 25.883 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 69730

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4

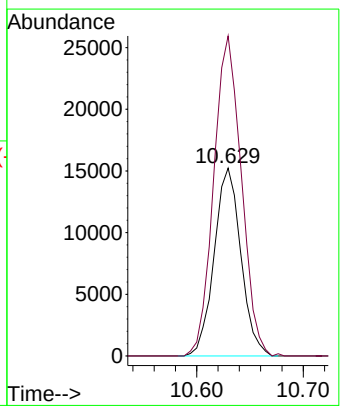


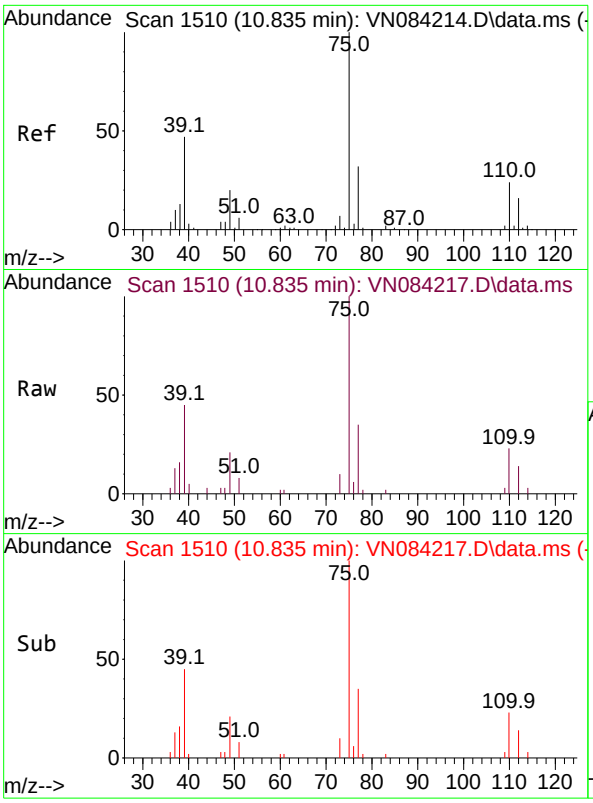


#52
Toluene
Concen: 5.054 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 92 Resp: 26489

Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.3	205.9



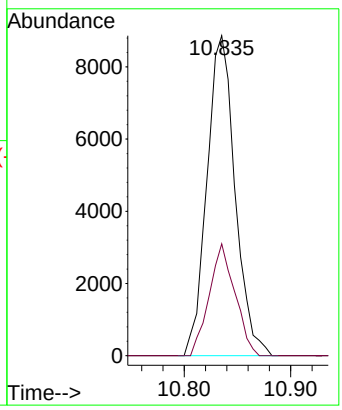


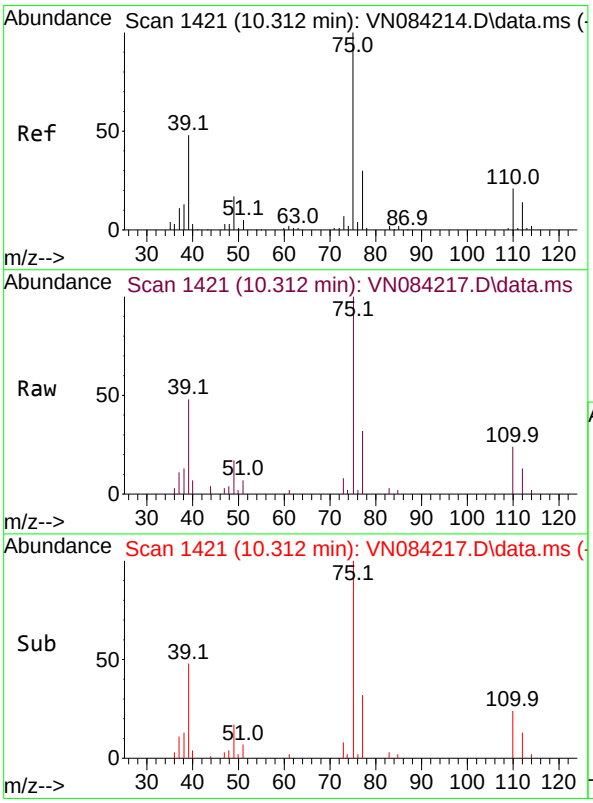
#53
t-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16242

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.0

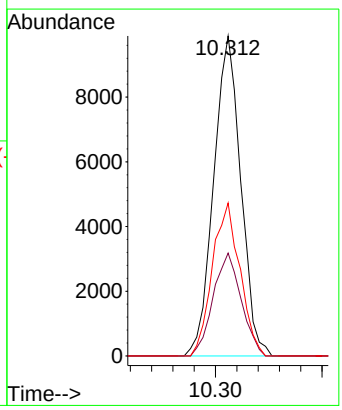


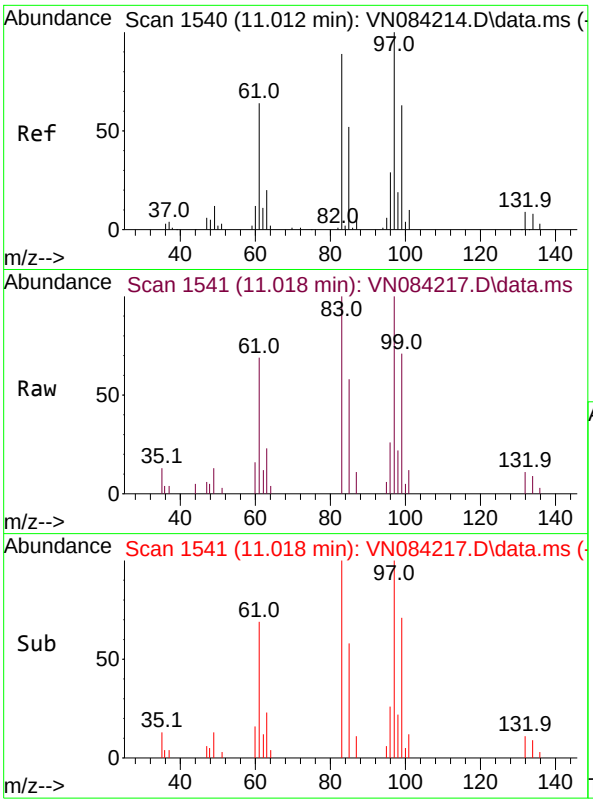


#54
cis-1,3-Dichloropropene
Concen: 5.220 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



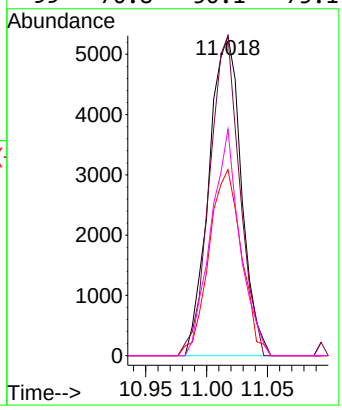


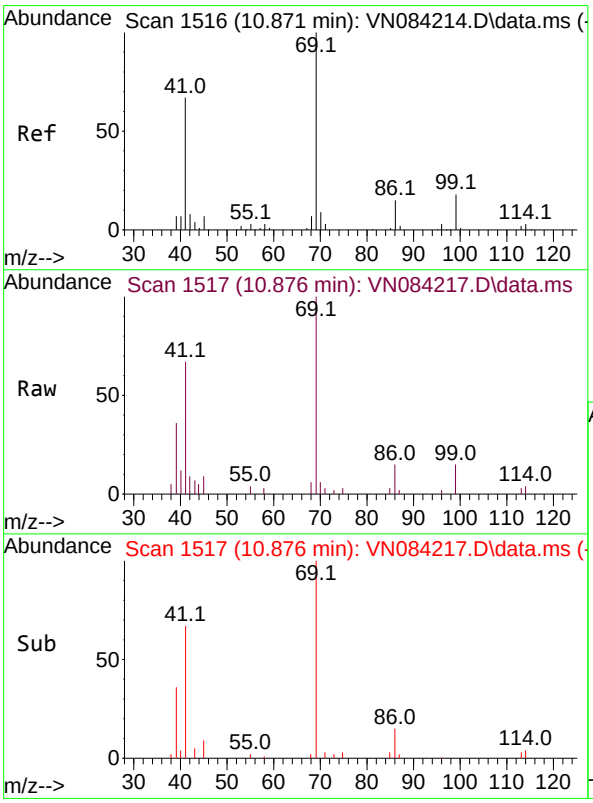
#55
1,1,2-Trichloroethane
Concen: 5.219 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

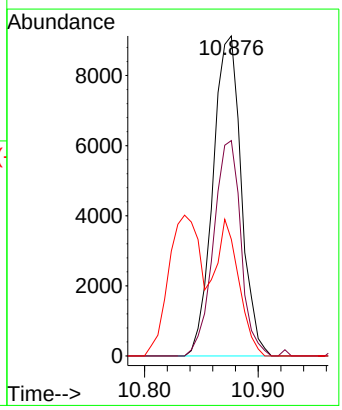


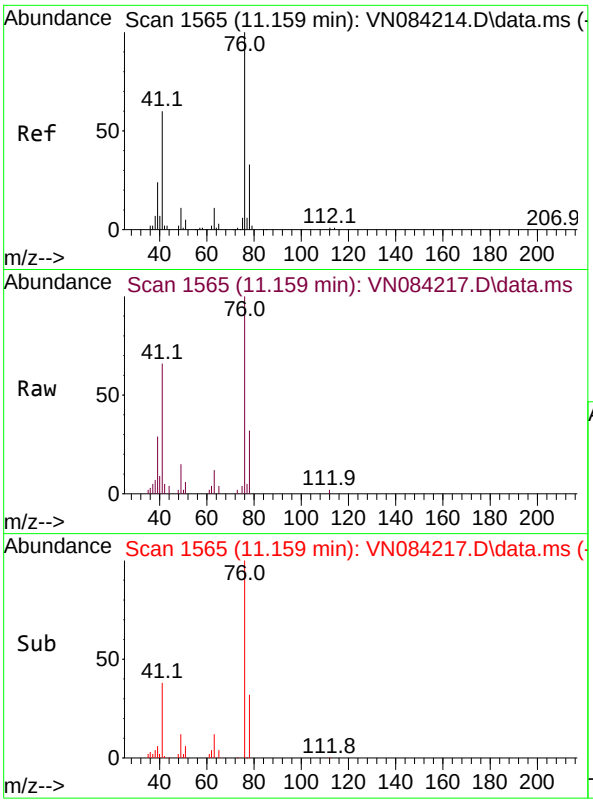


#56
Ethyl methacrylate
Concen: 5.109 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



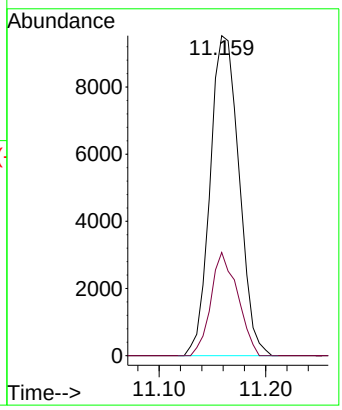


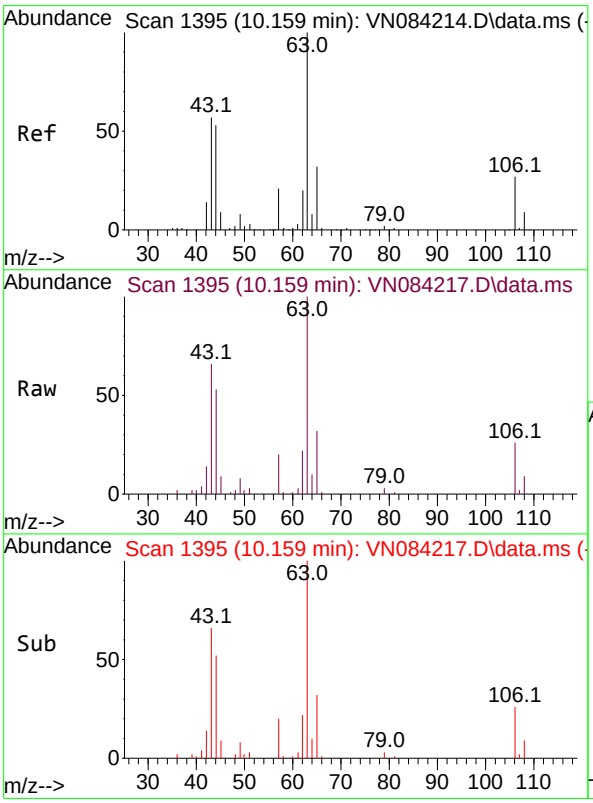
#57
1,3-Dichloropropane
Concen: 5.348 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 17954

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6

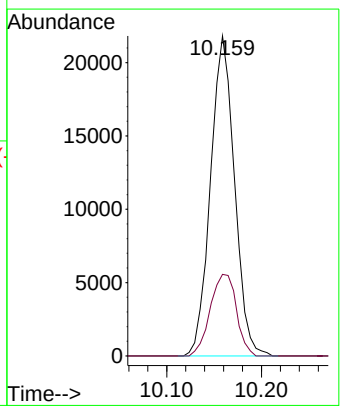


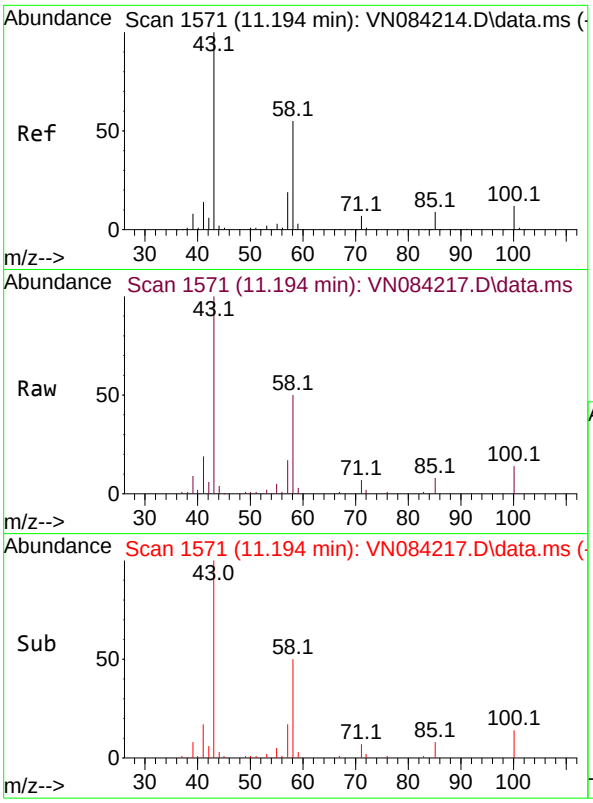


#58
2-Chloroethyl Vinyl ether
Concen: 26.787 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 63 Resp: 38417

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.8	32.6



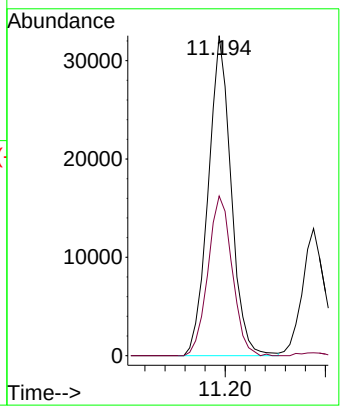


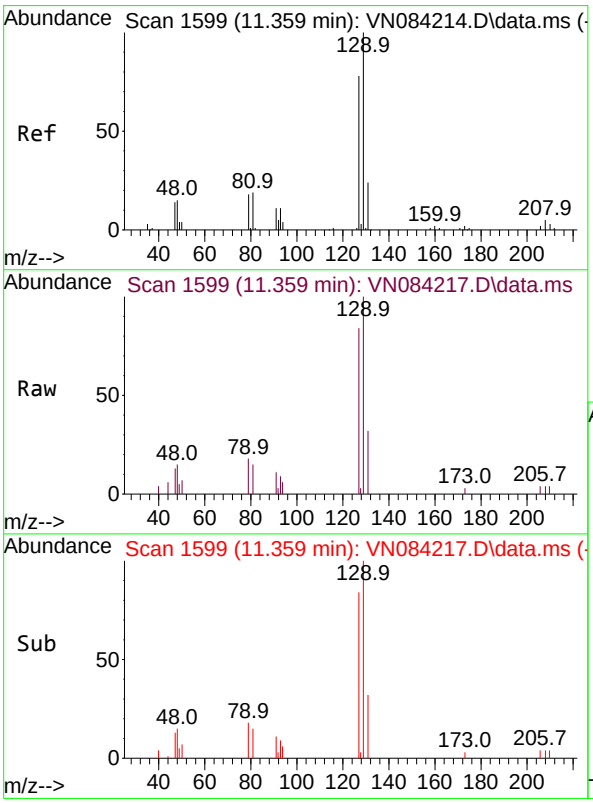
#59
2-Hexanone
Concen: 25.570 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 51488

Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.3	81.8

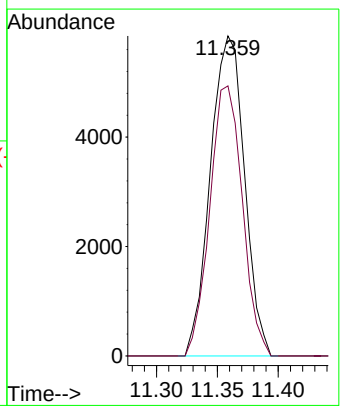


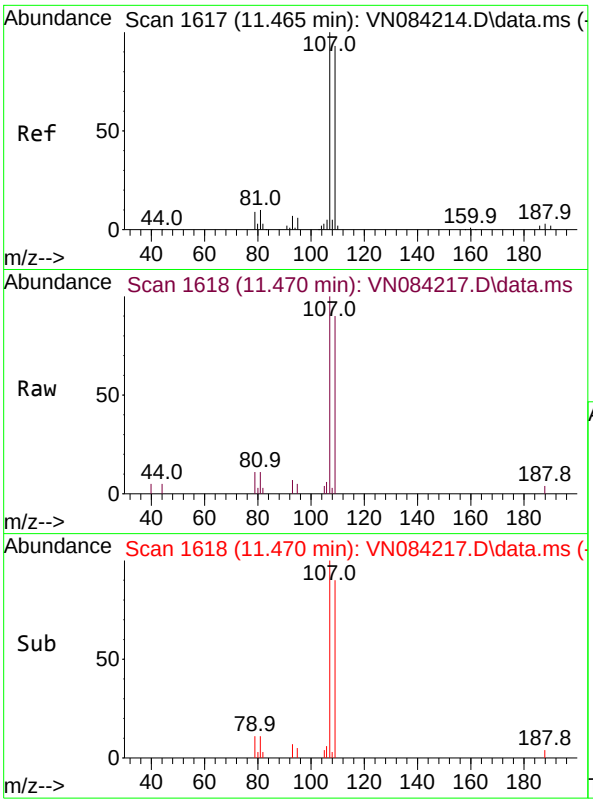


#60
Dibromochloromethane
Concen: 5.141 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:129 Resp: 11412

Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.3	114.9



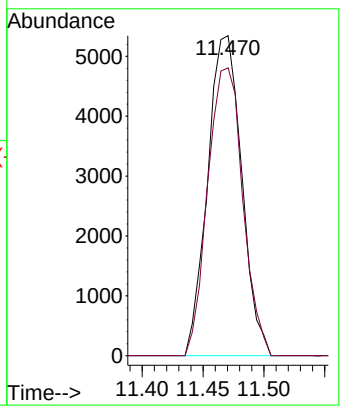


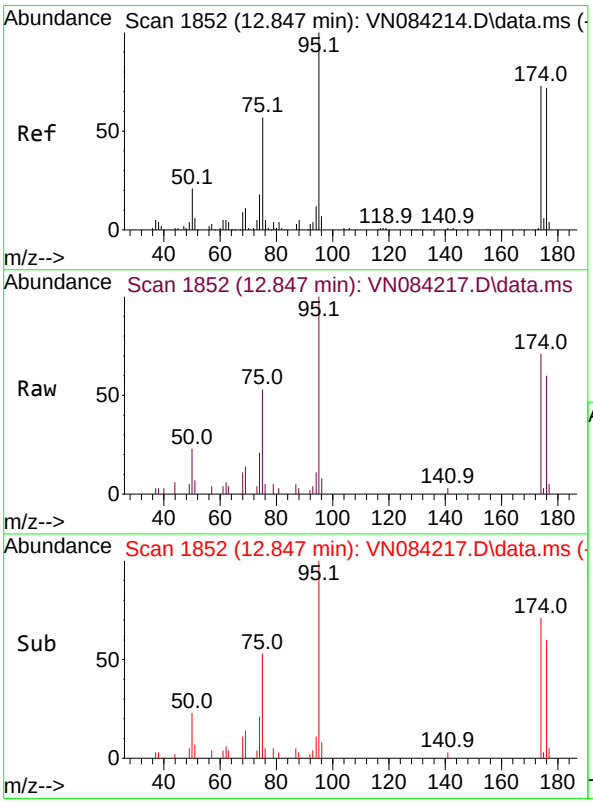
#61
1,2-Dibromoethane
Concen: 5.324 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10394

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.0

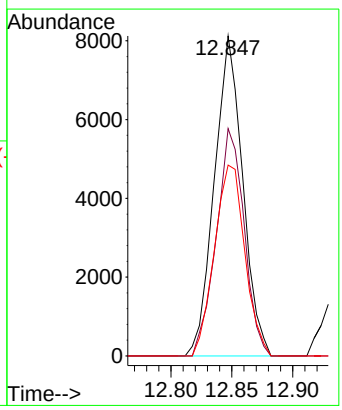


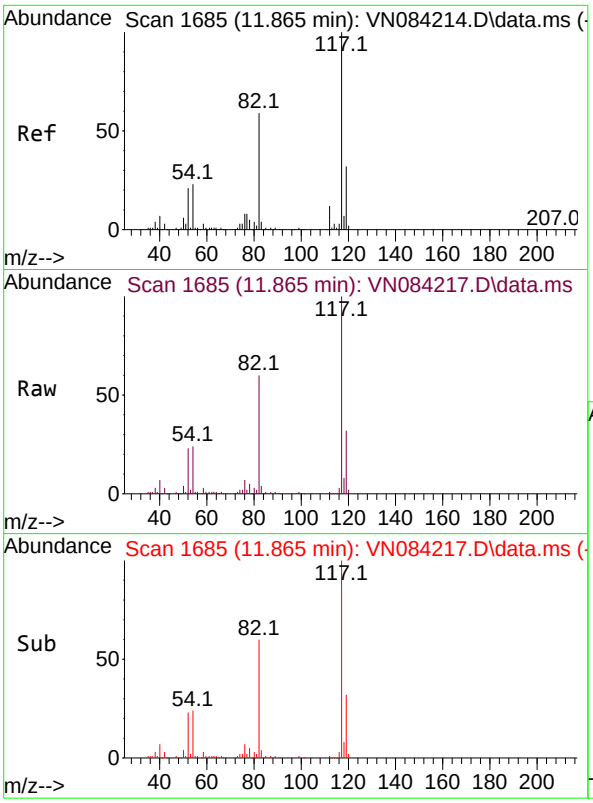


#62
4-Bromofluorobenzene
Concen: 5.159 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



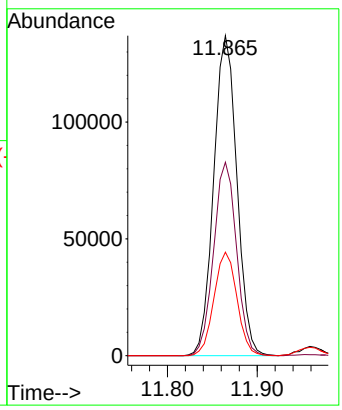


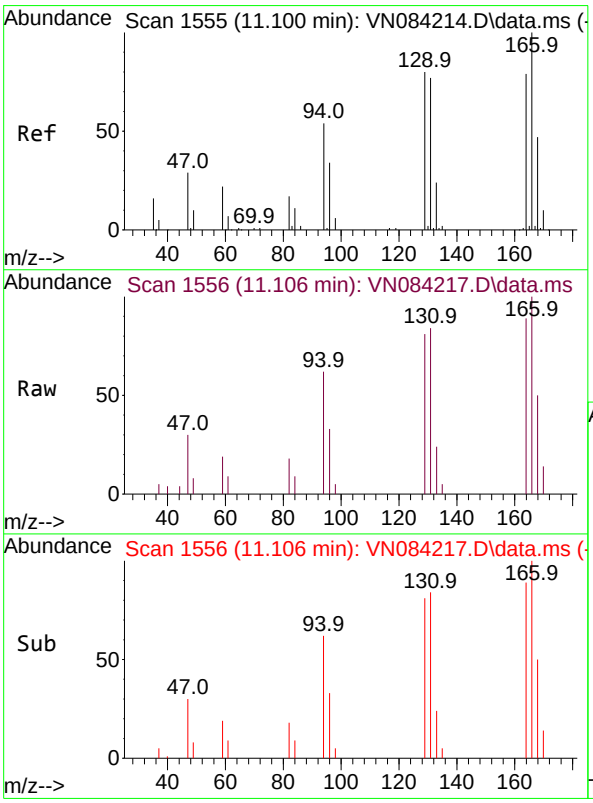
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

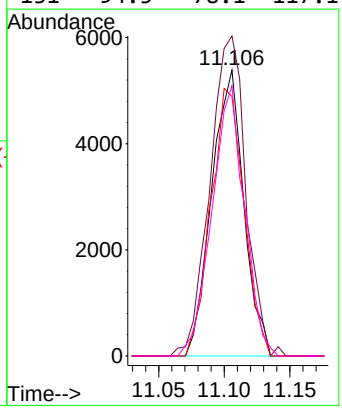


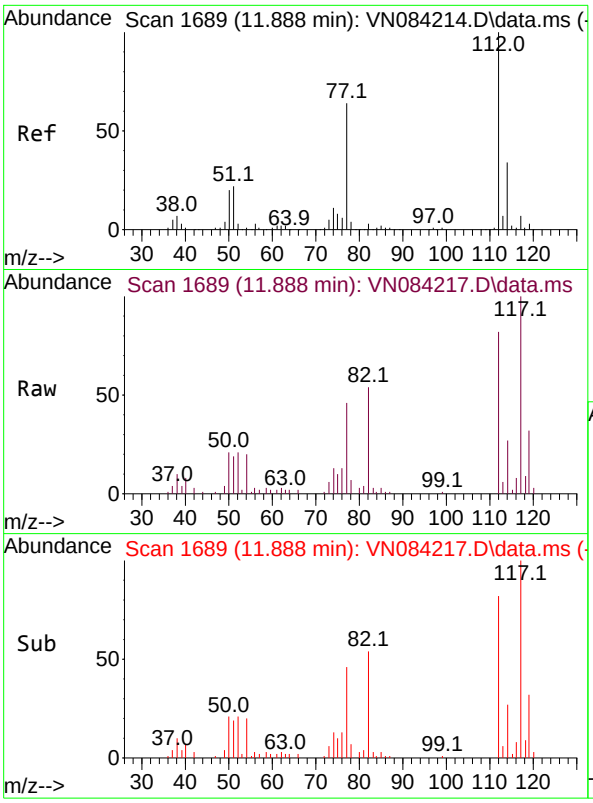


#64
Tetrachloroethene
Concen: 5.356 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



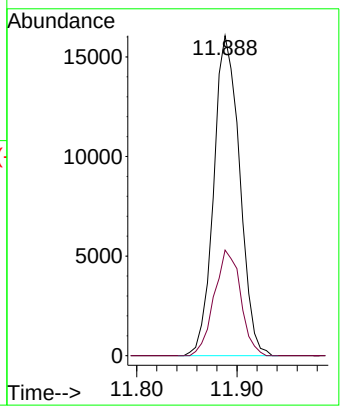


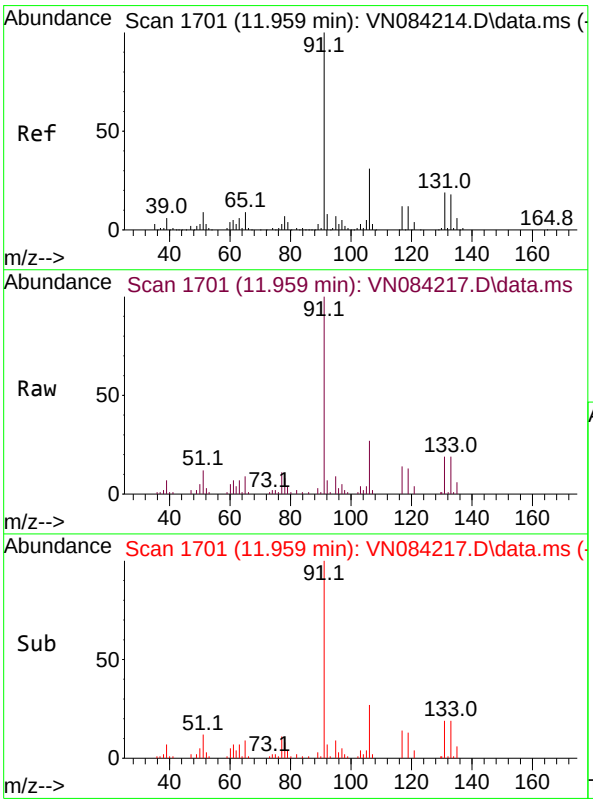
#65
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 28818

Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.0	40.6

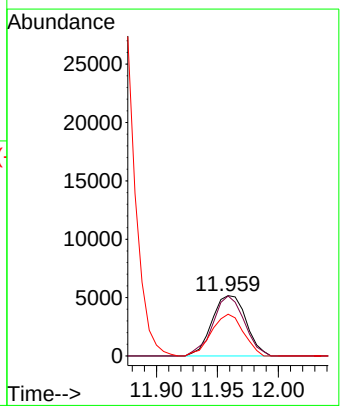


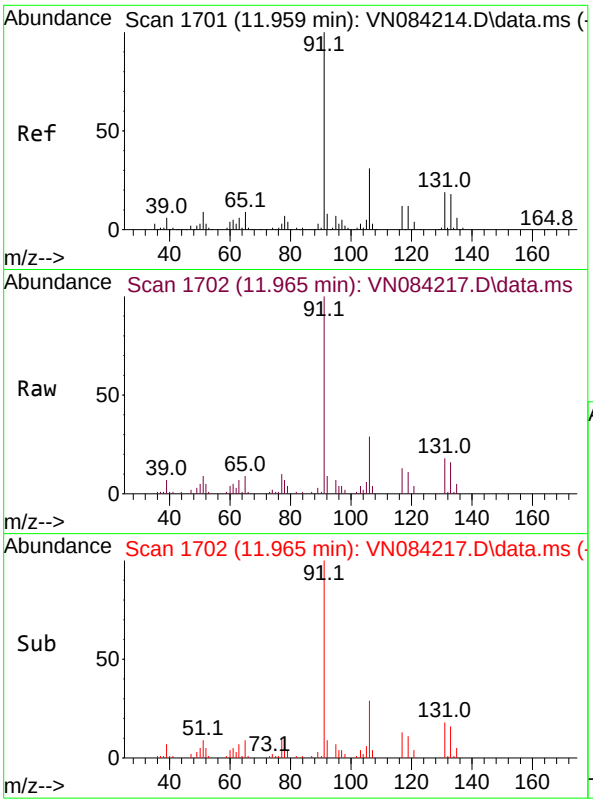


#66
1,1,1,2-Tetrachloroethane
Concen: 5.358 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



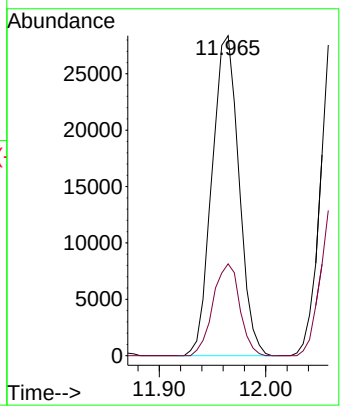


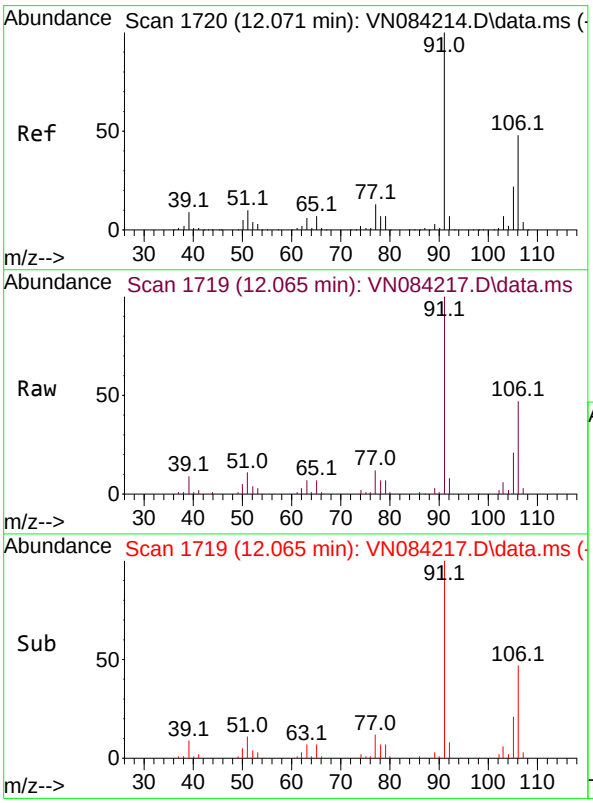
#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 49891

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7

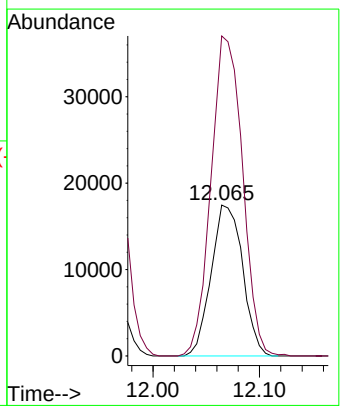


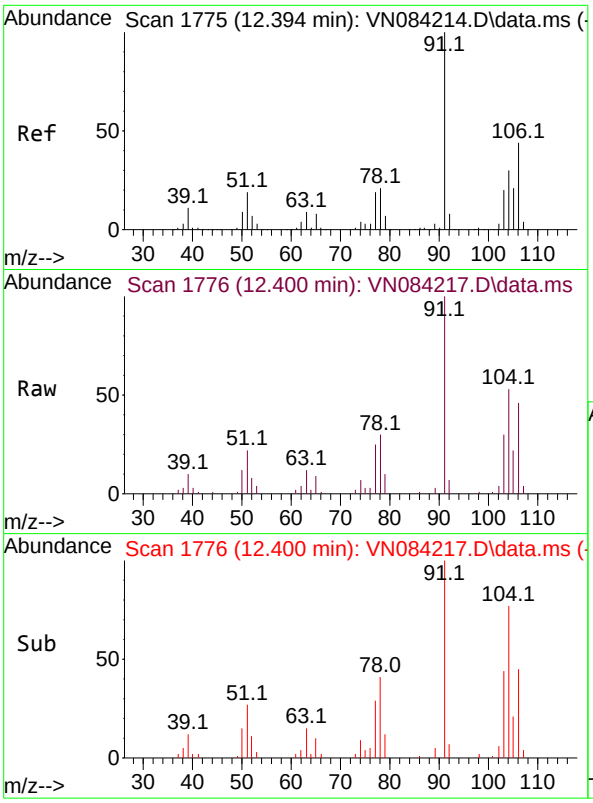


#68
m/p-Xylenes
Concen: 10.051 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:106 Resp: 35820

Ion	Ratio	Lower	Upper
106	100		
91	212.5	167.1	250.7



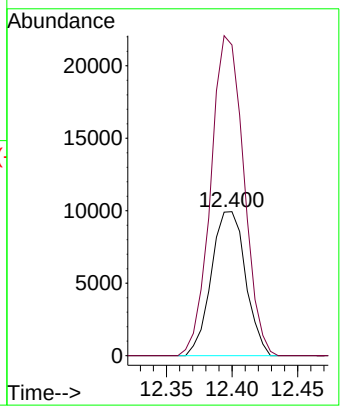


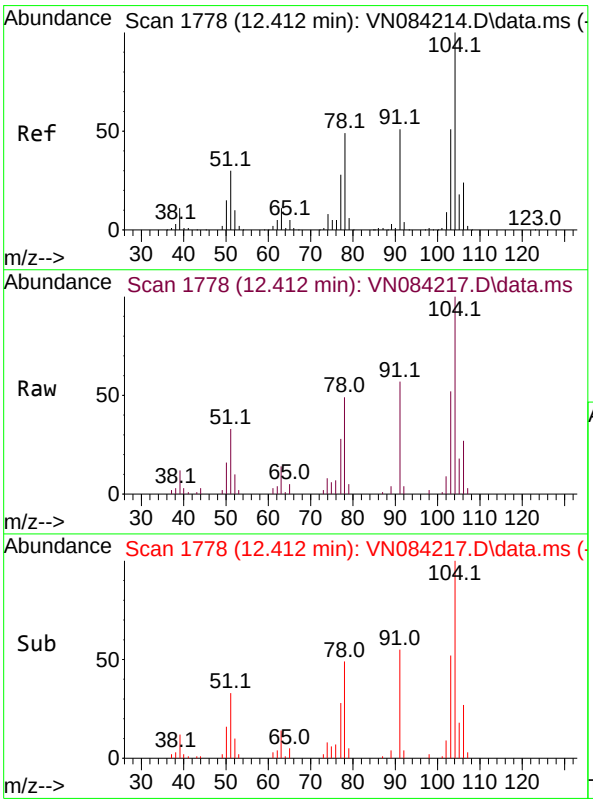
#69
o-Xylene
Concen: 5.350 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 18041

Ion	Ratio	Lower	Upper
106	100		
91	214.1	110.2	330.6

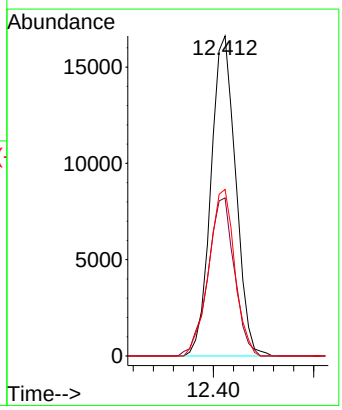


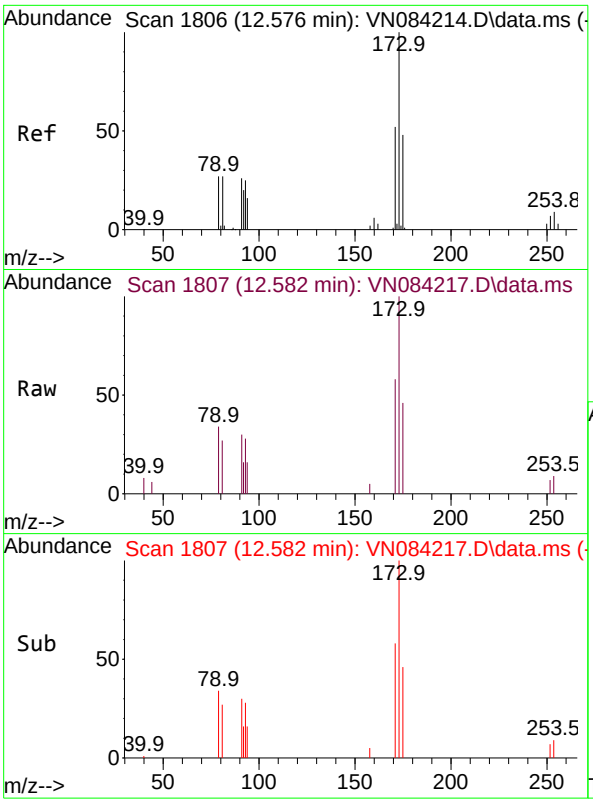


#70
Styrene
Concen: 4.985 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



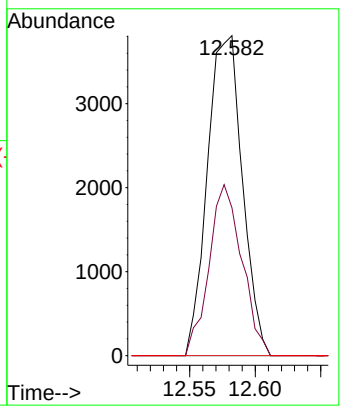


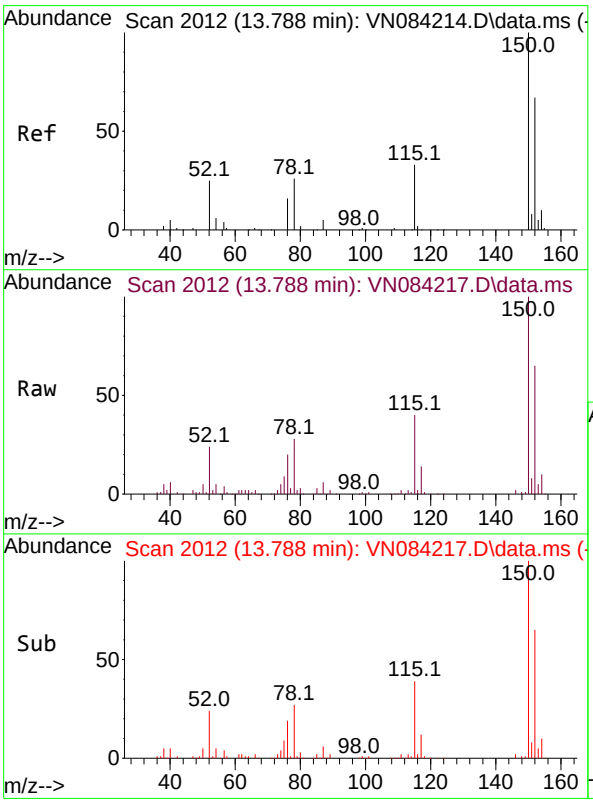
#71
Bromoform
Concen: 5.115 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

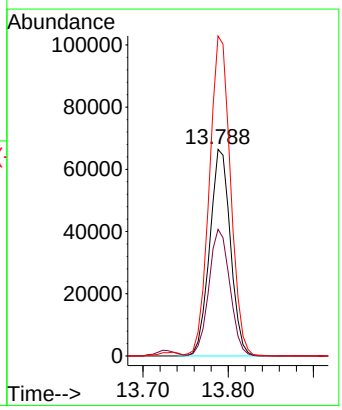


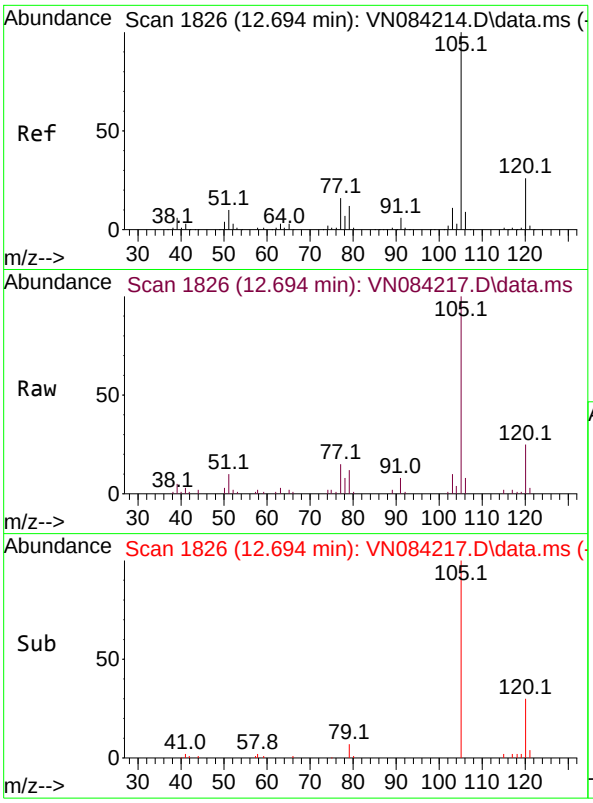


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



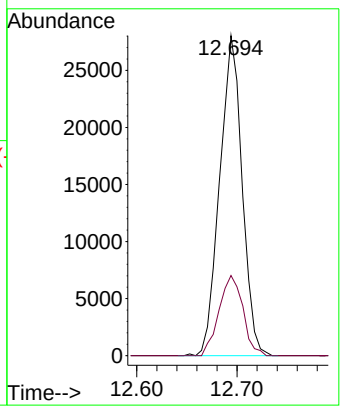


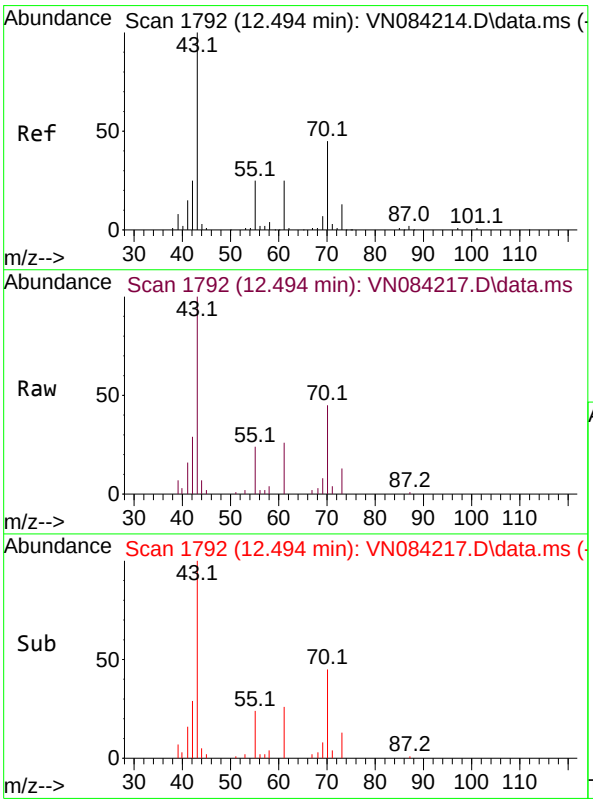
#73
Isopropylbenzene
Concen: 5.064 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 43468

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7

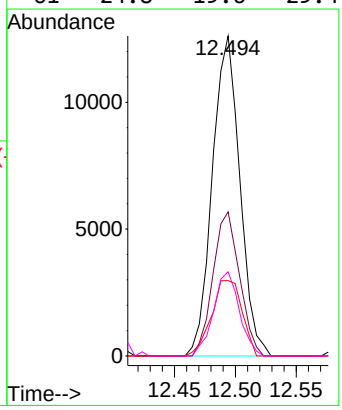


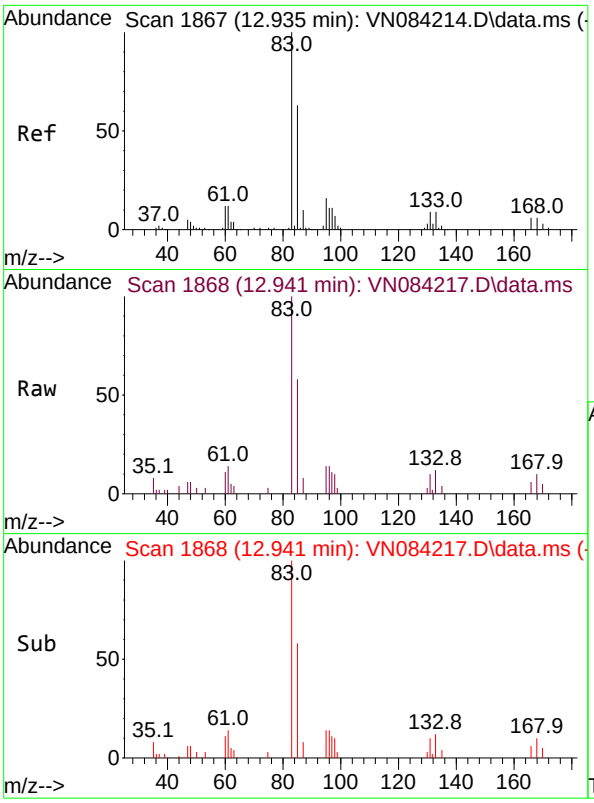


#74
N-amyl acetate
Concen: 5.087 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



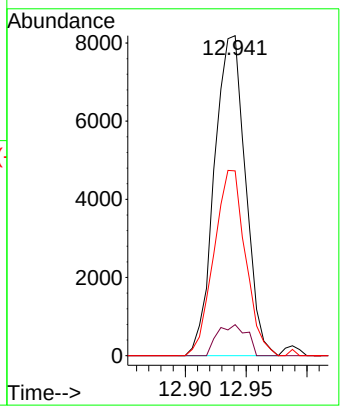


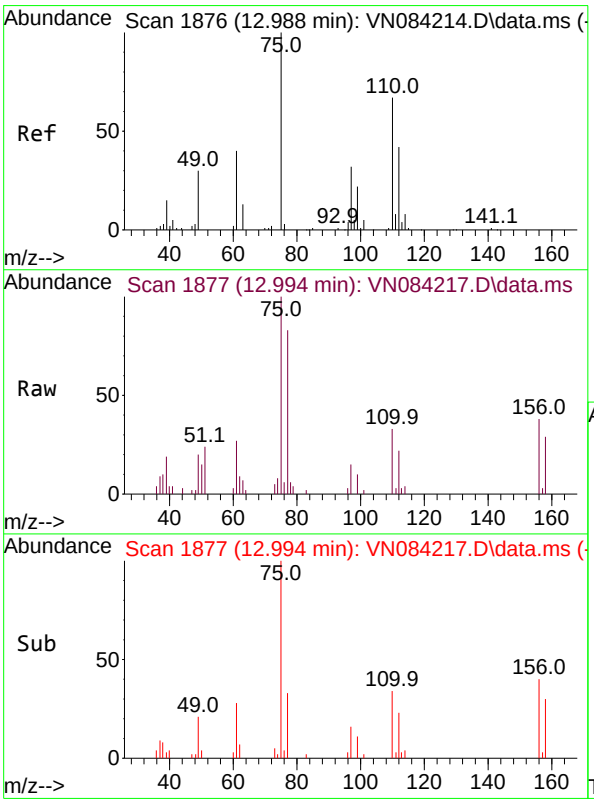
#75
1,1,2,2-Tetrachloroethane
Concen: 5.624 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

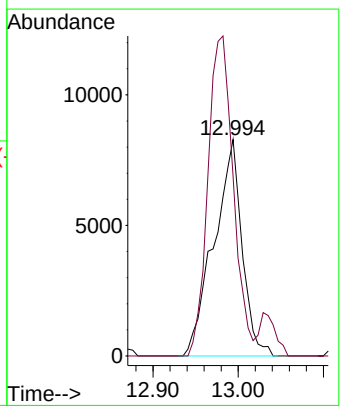


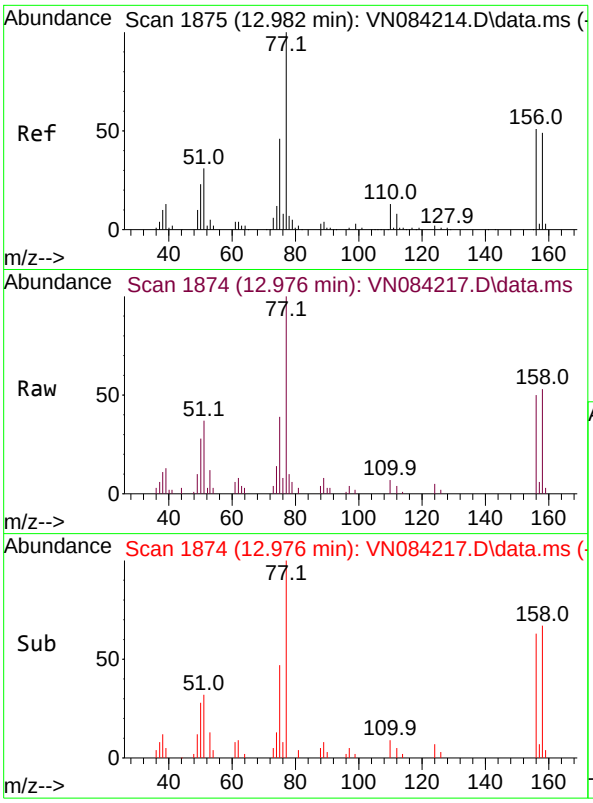


#76
1,2,3-Trichloropropane
Concen: 8.493 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 75 Resp: 19041

Ion	Ratio	Lower	Upper
75	100		
77	133.3	96.9	290.7



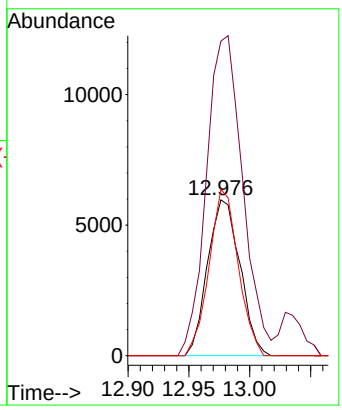


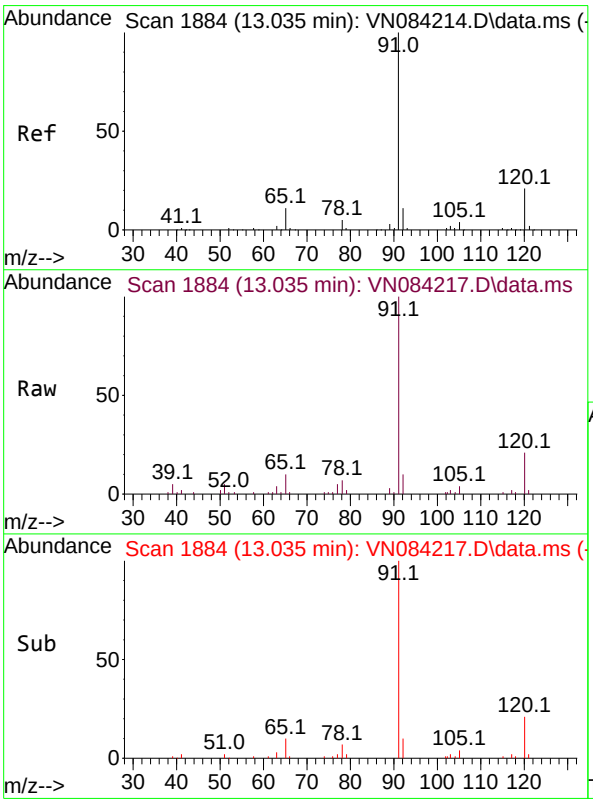
#77
Bromobenzene
Concen: 5.336 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

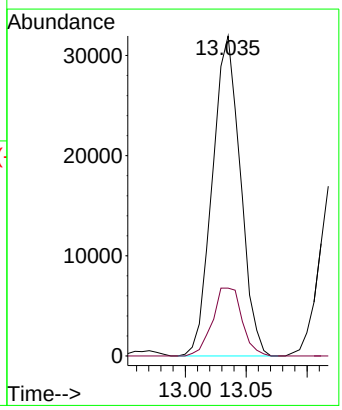


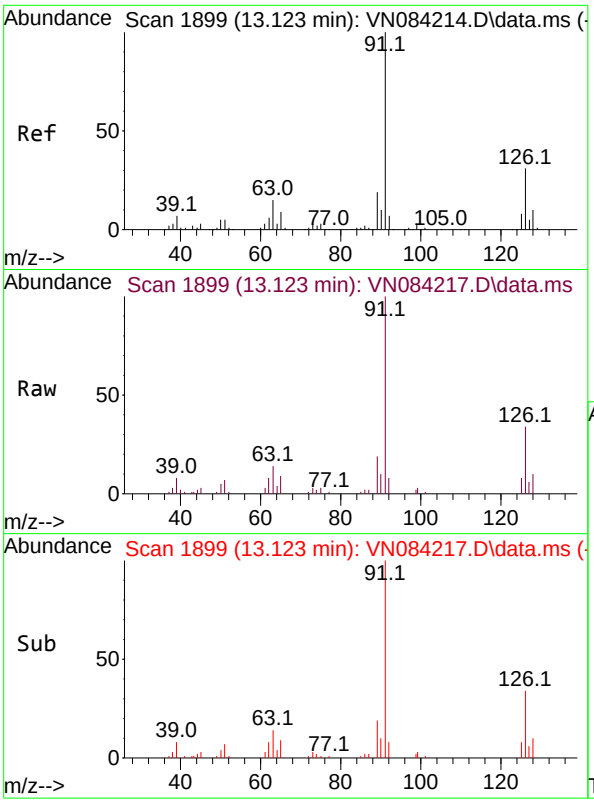


#78
n-propylbenzene
Concen: 5.140 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 51120

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



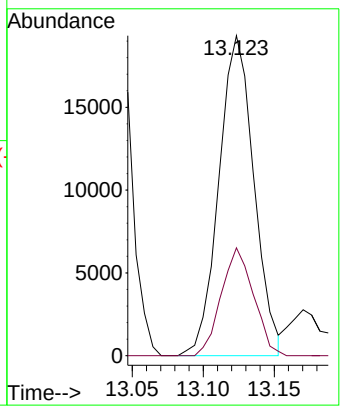


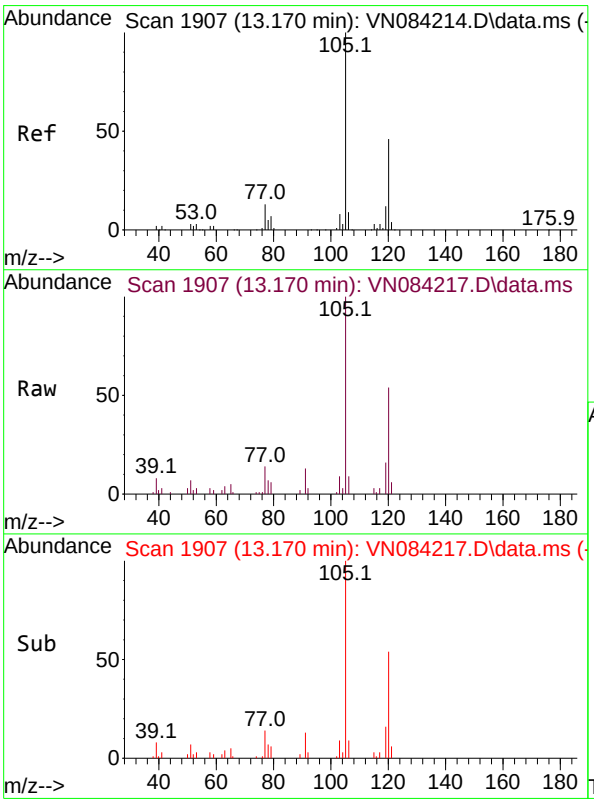
#79
2-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 33161

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.7	47.1

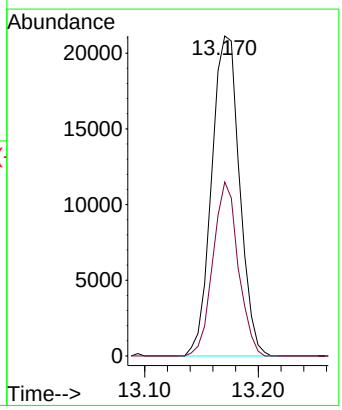


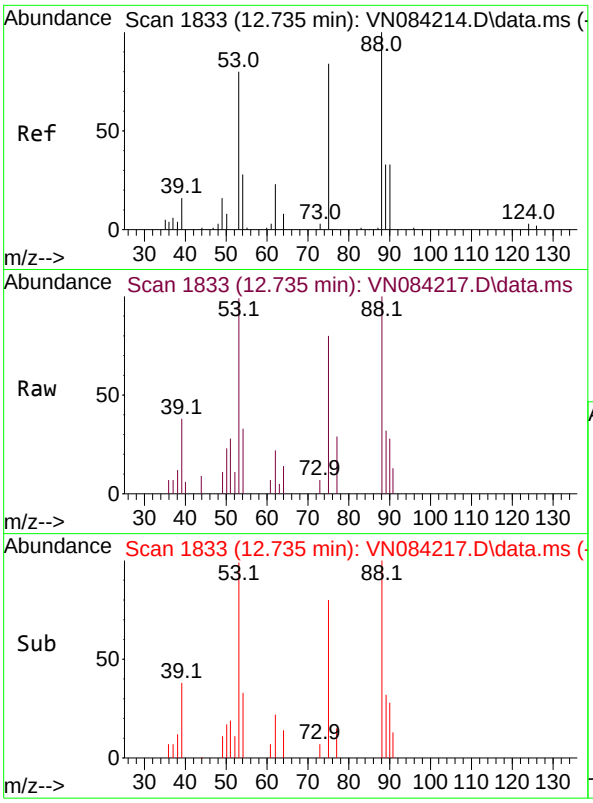


#80
1,3,5-Trimethylbenzene
Concen: 5.156 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36100

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1



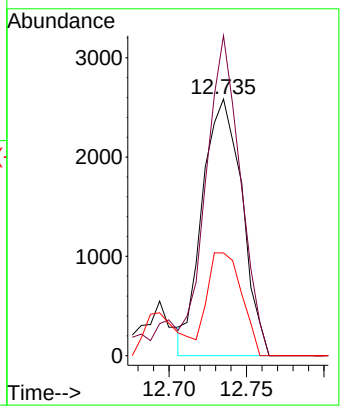


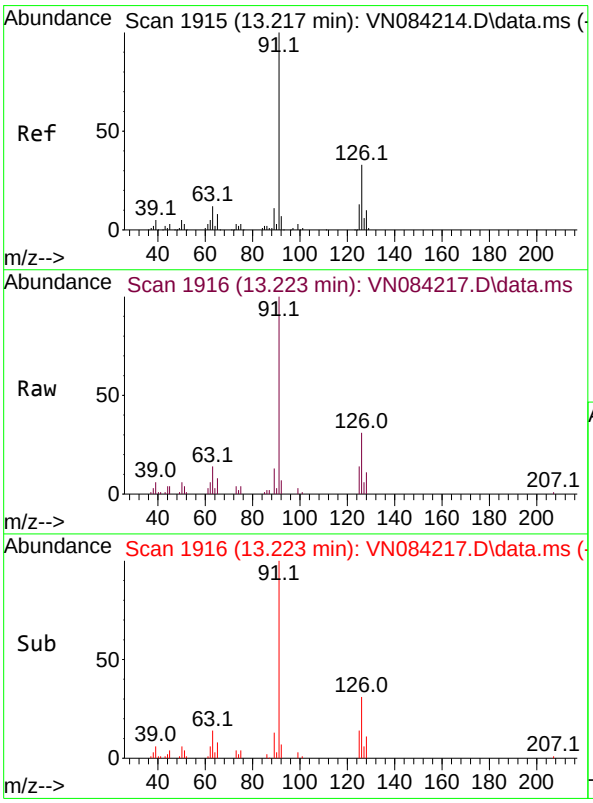
#81
trans-1,4-Dichloro-2-butene
Concen: 4.797 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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#

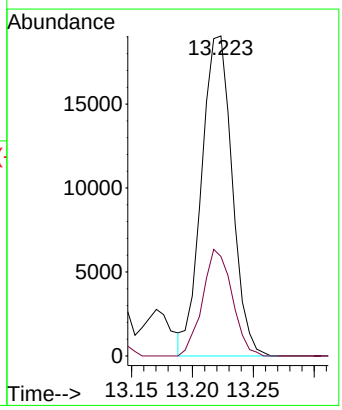


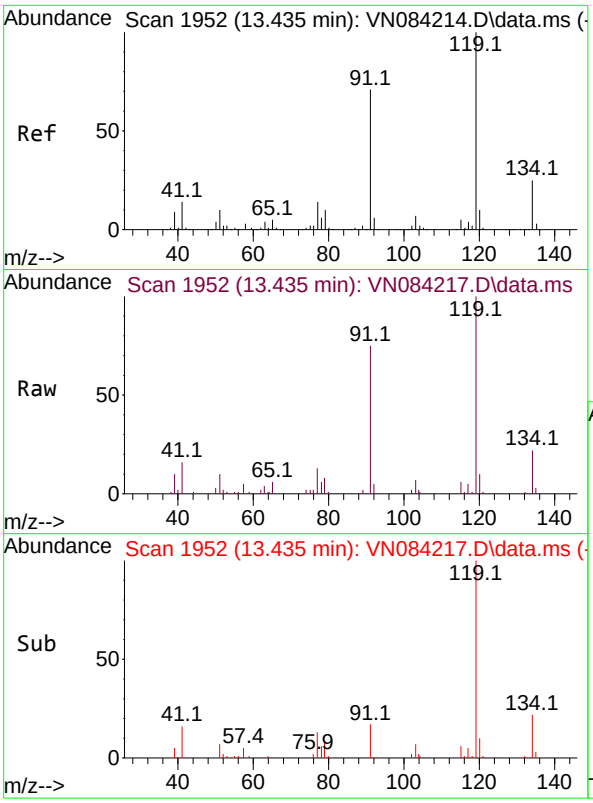


#82
4-Chlorotoluene
Concen: 5.225 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion: 91 Resp: 33382

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



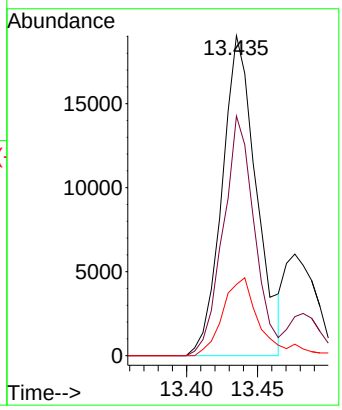


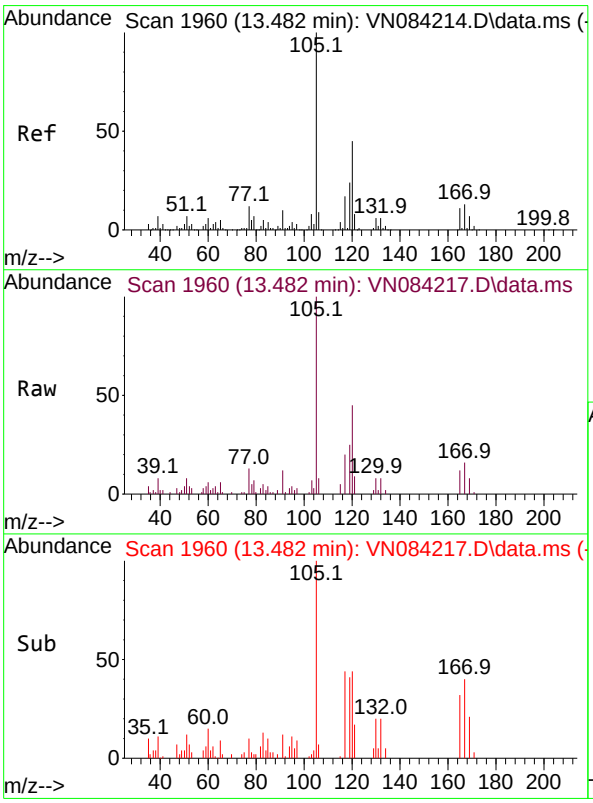
#83
tert-Butylbenzene
Concen: 5.140 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

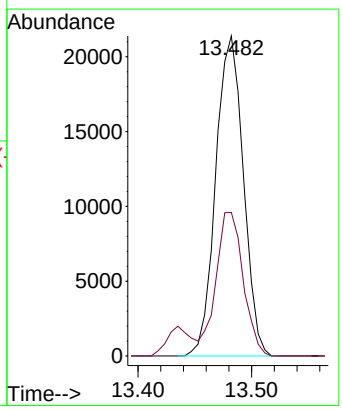


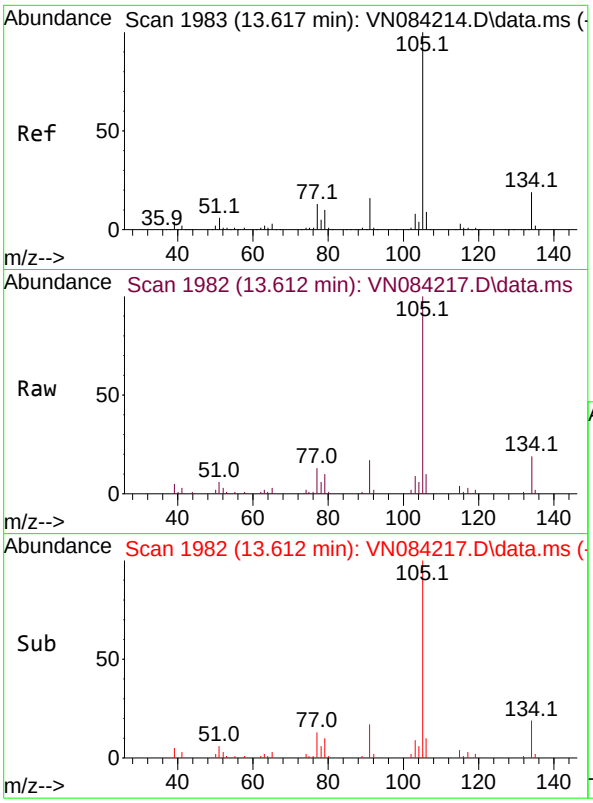


#84
1,2,4-Trimethylbenzene
Concen: 5.118 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:105 Resp: 36099

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8



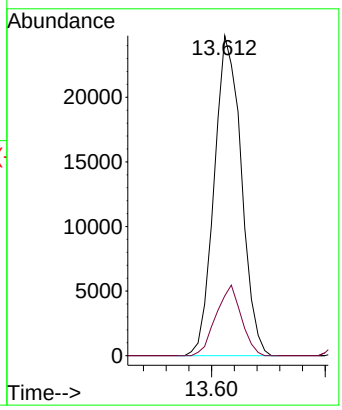


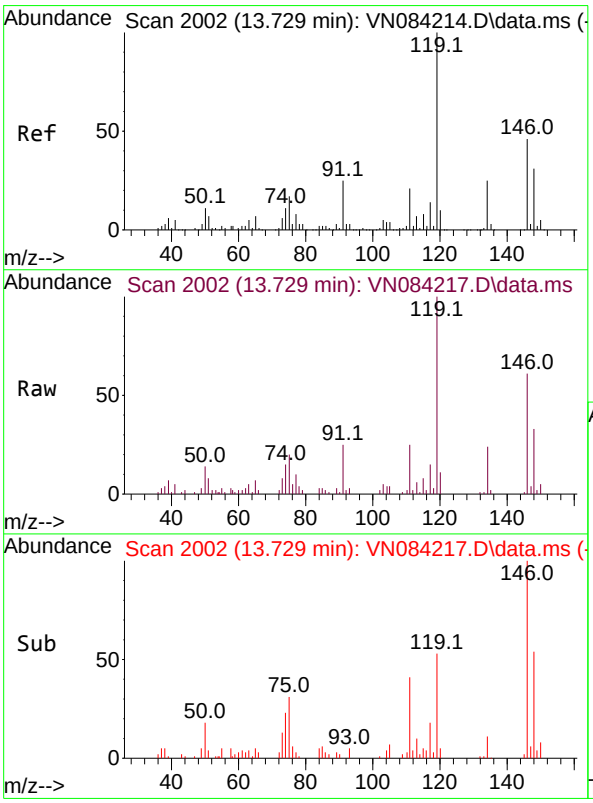
#85
sec-Butylbenzene
Concen: 4.931 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 40954

Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.4

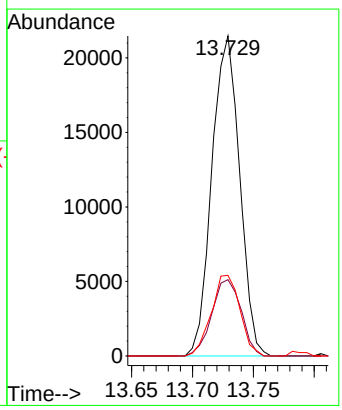


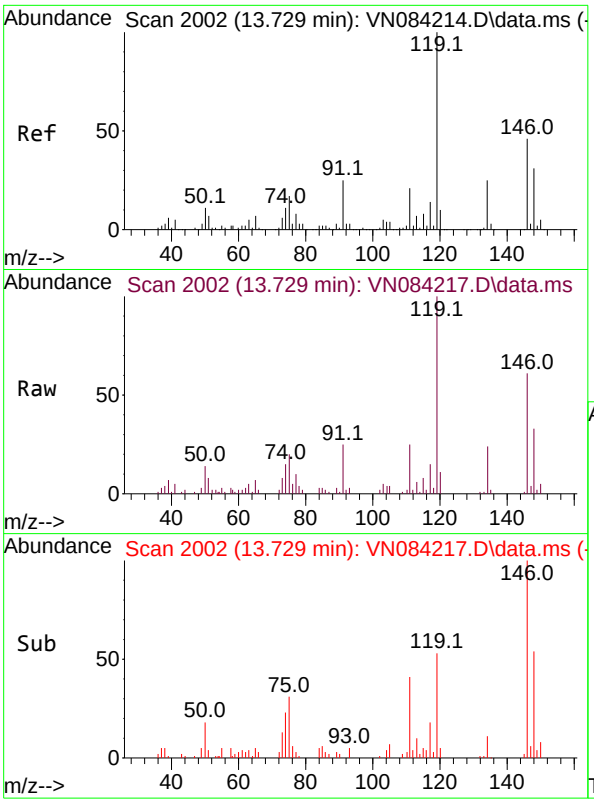


#86
p-Isopropyltoluene
Concen: 4.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



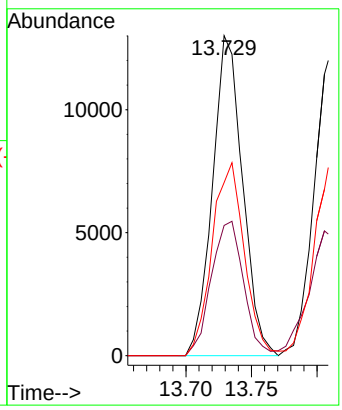


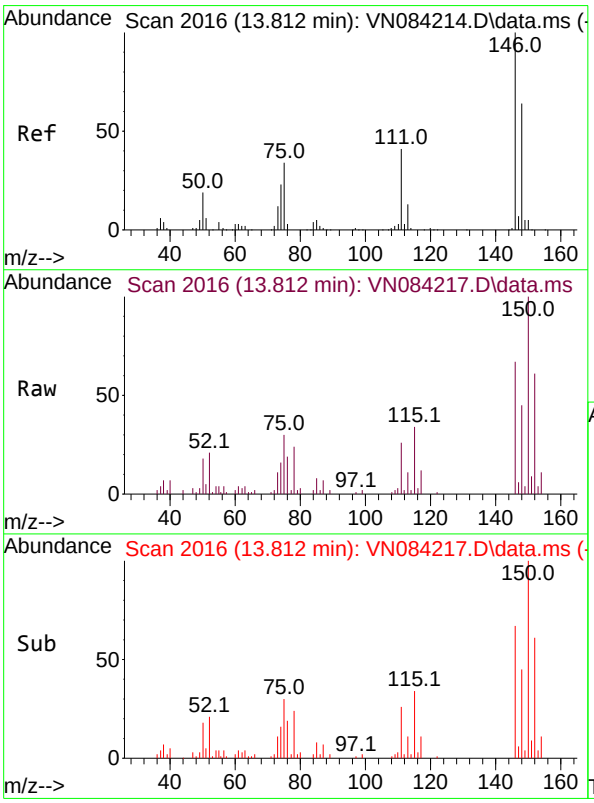
#87
1,3-Dichlorobenzene
Concen: 5.337 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

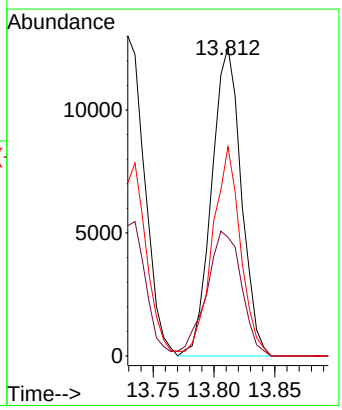


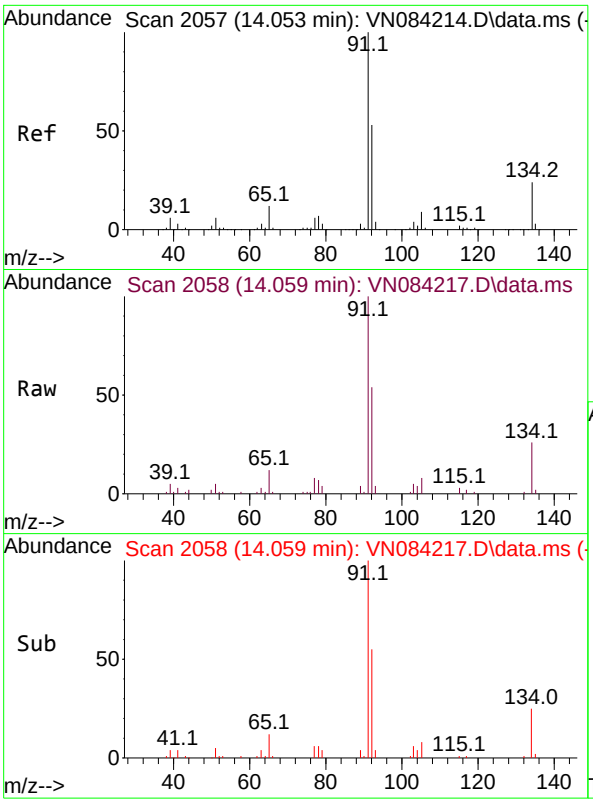


#88
1,4-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



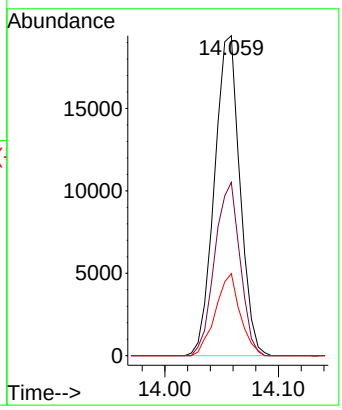


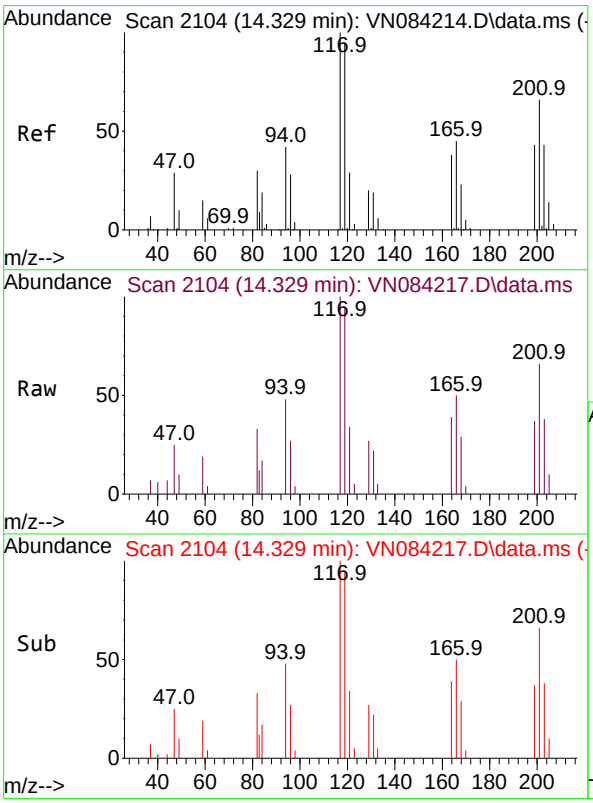
#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

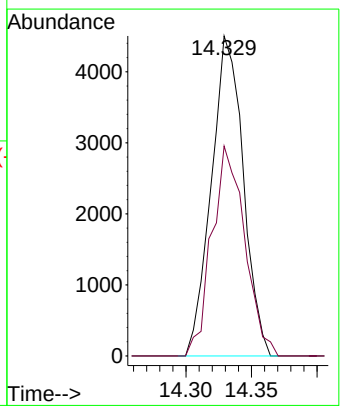


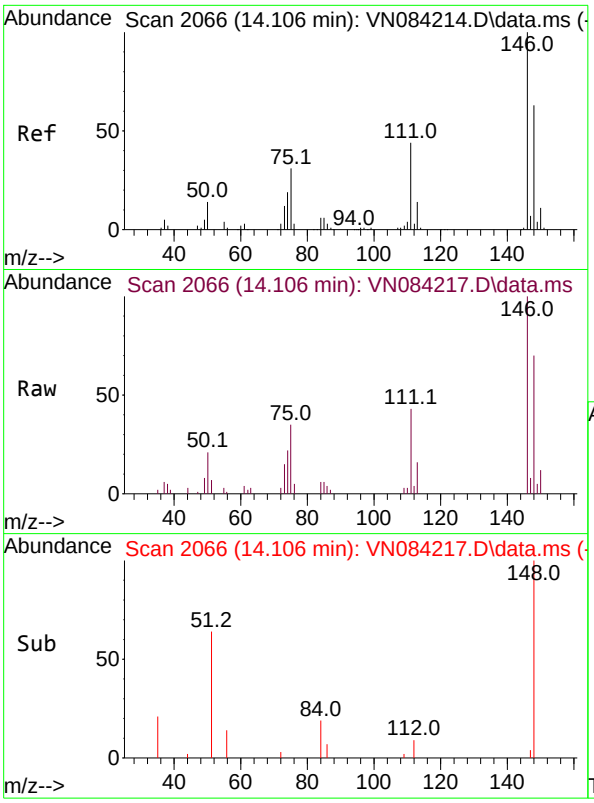


#90
Hexachloroethane
Concen: 5.472 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

Tgt Ion:117 Resp: 7628

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



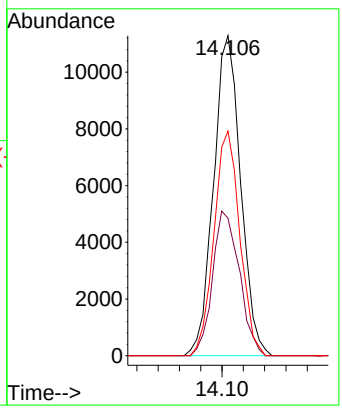


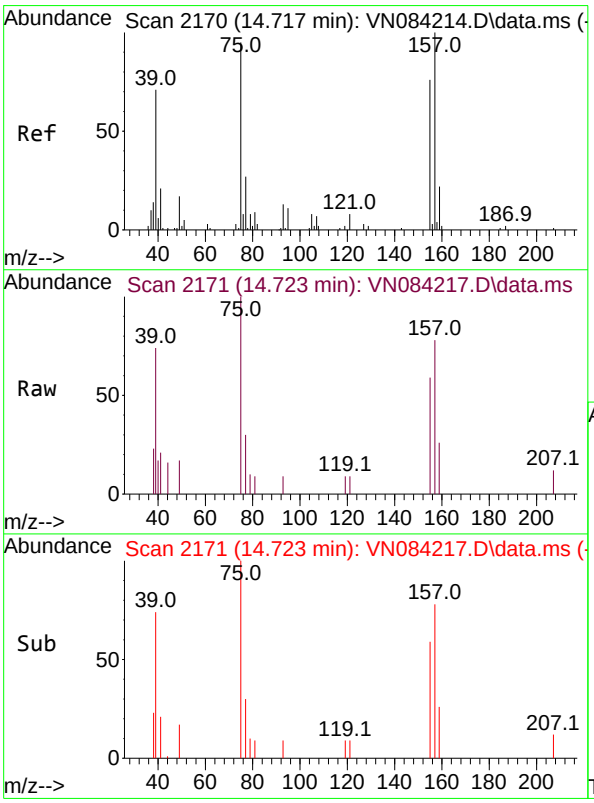
#91
1,2-Dichlorobenzene
Concen: 5.226 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

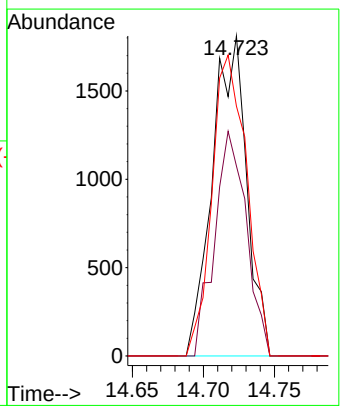


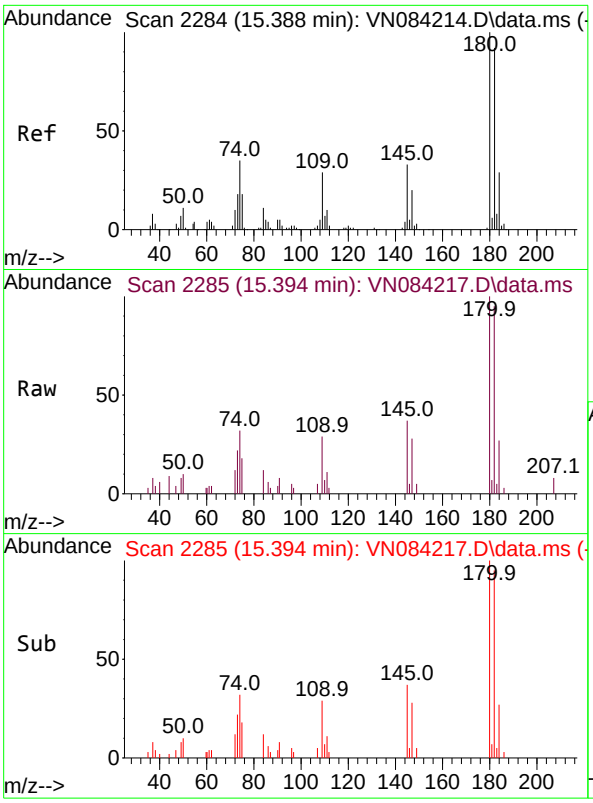


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



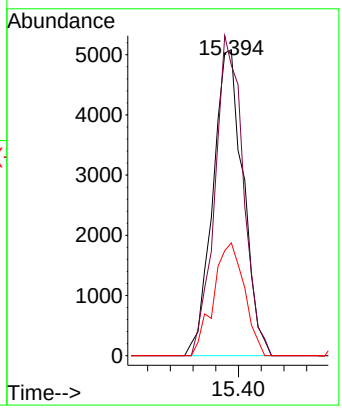


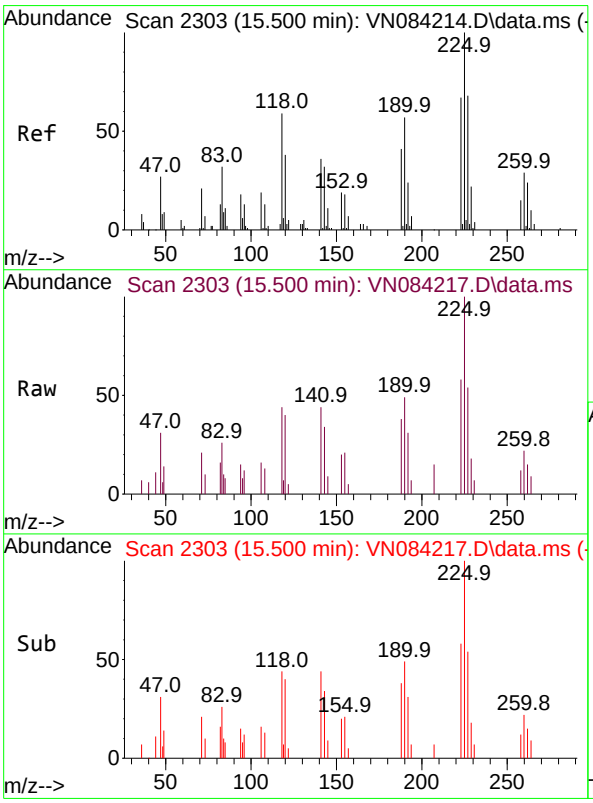
#93
1,2,4-Trichlorobenzene
Concen: 5.031 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

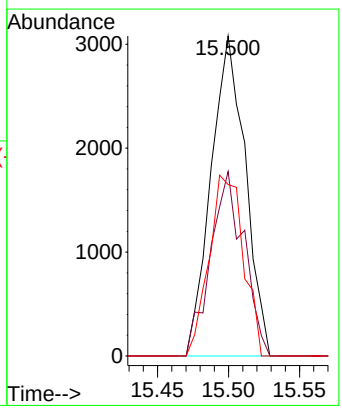


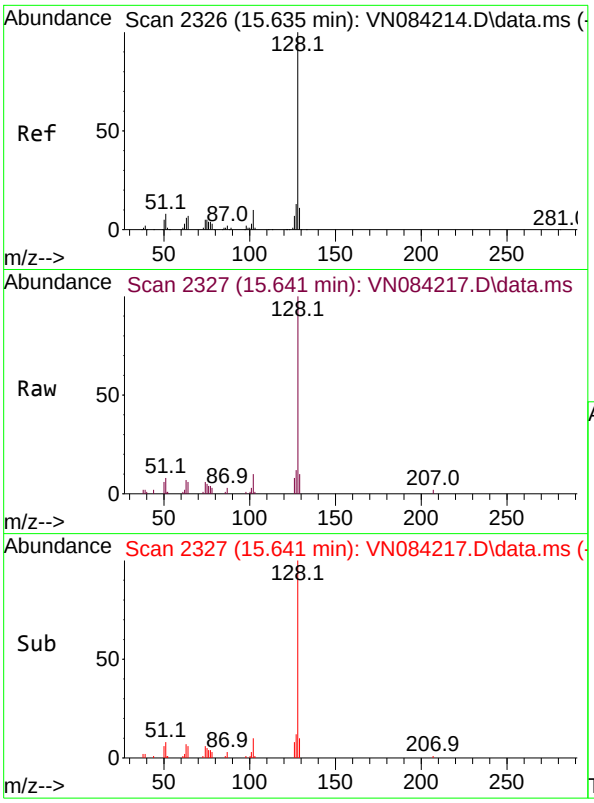


#94
Hexachlorobutadiene
Concen: 5.530 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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



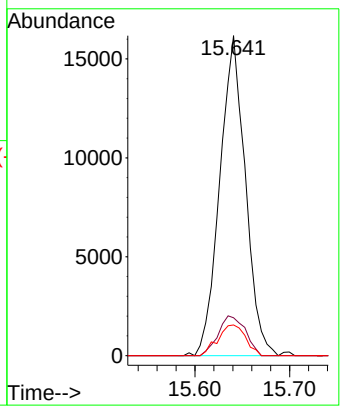


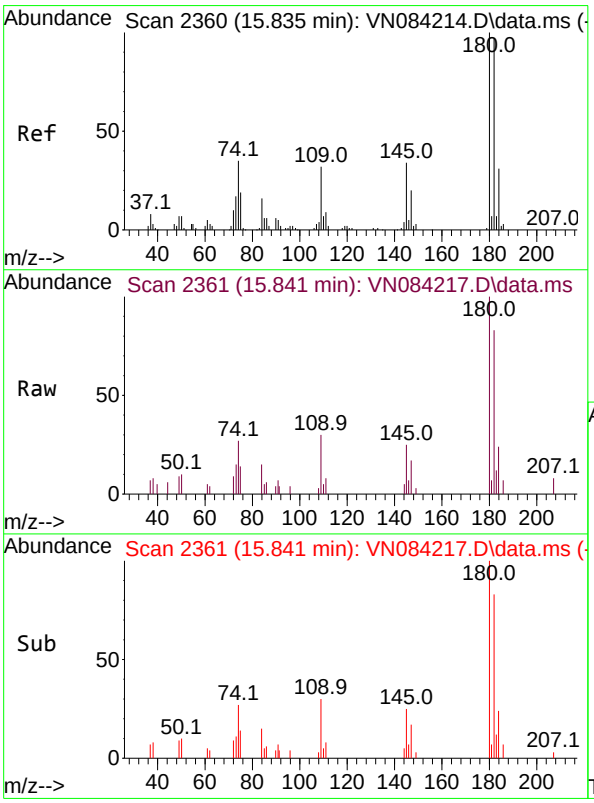
#95
Naphthalene
Concen: 4.886 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

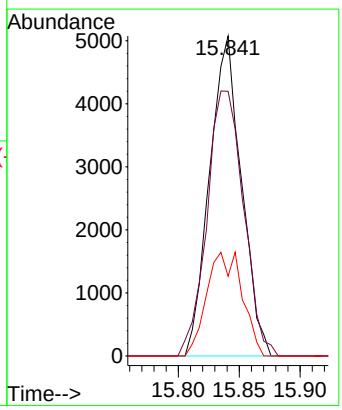




#96
1,2,3-Trichlorobenzene
Concen: 4.923 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084217.D
Acq: 30 Sep 2024 14:00

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

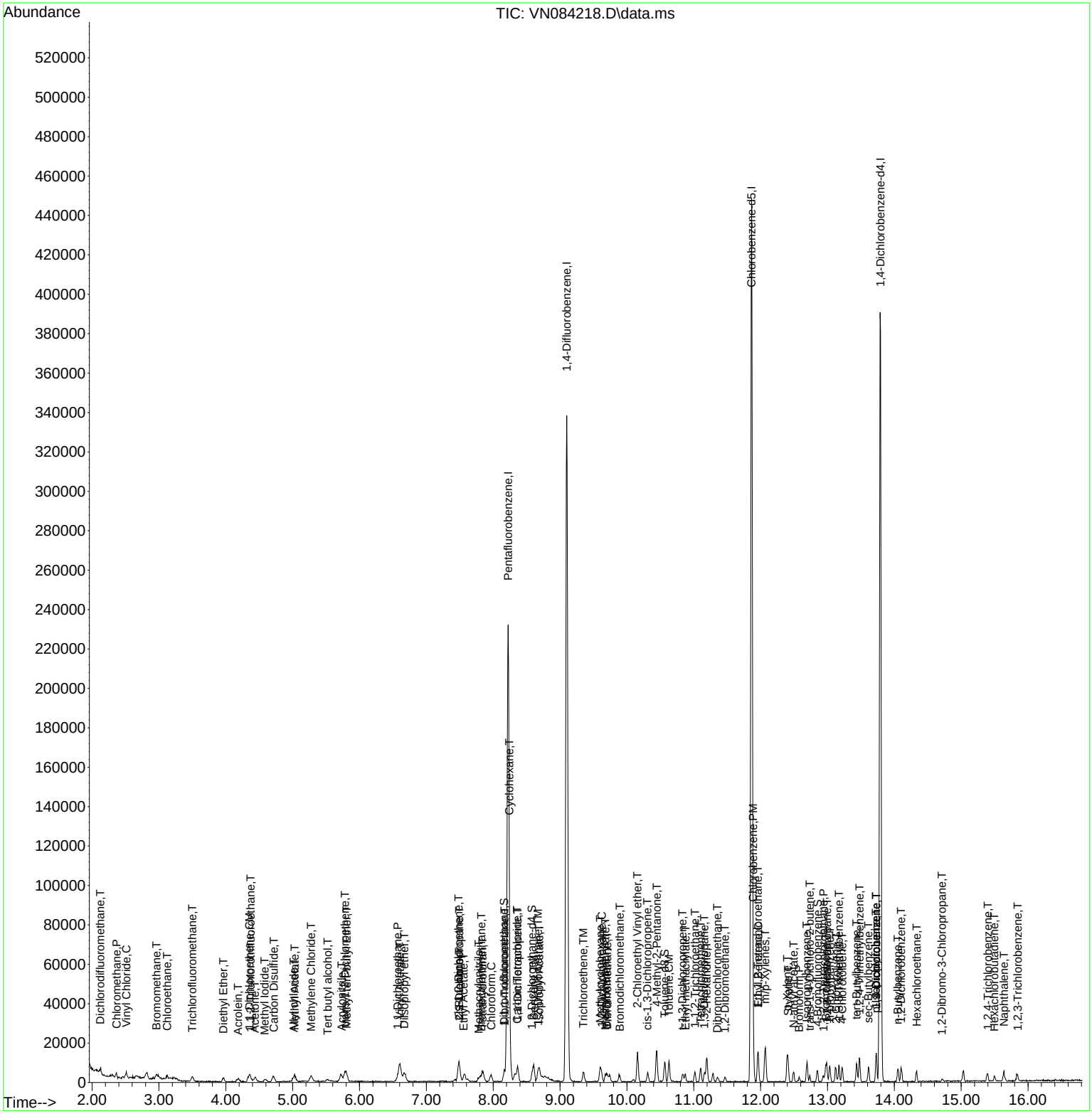
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

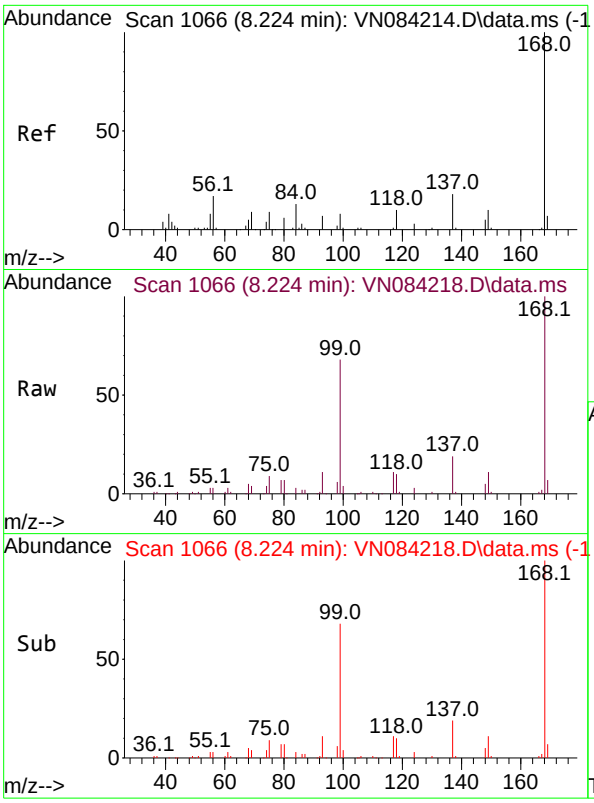
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



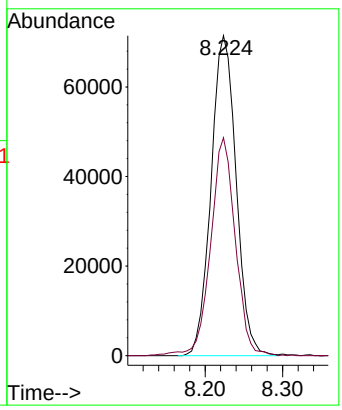


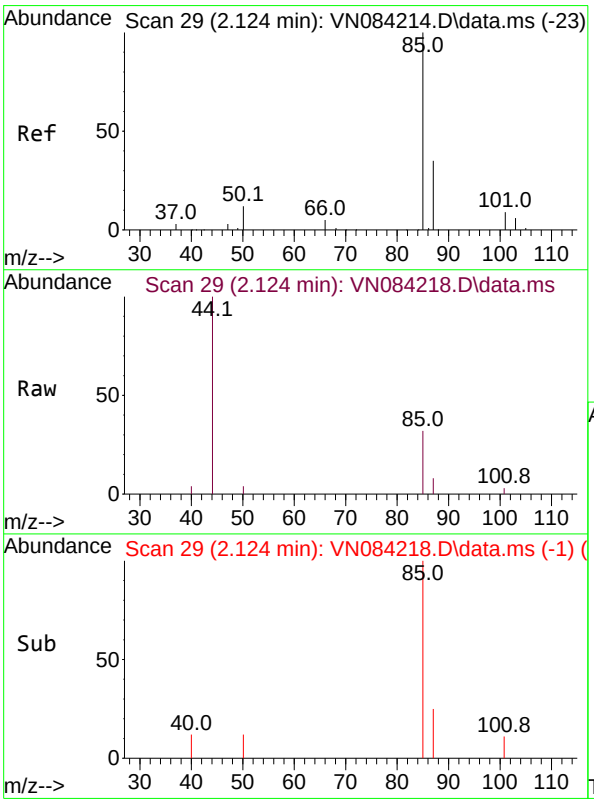
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 160573

Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.2	81.2

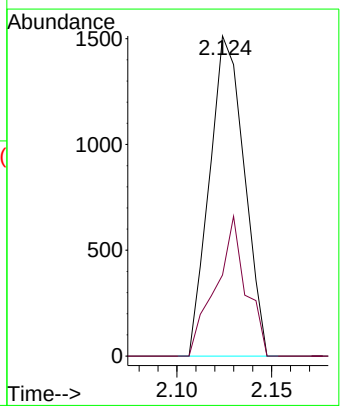


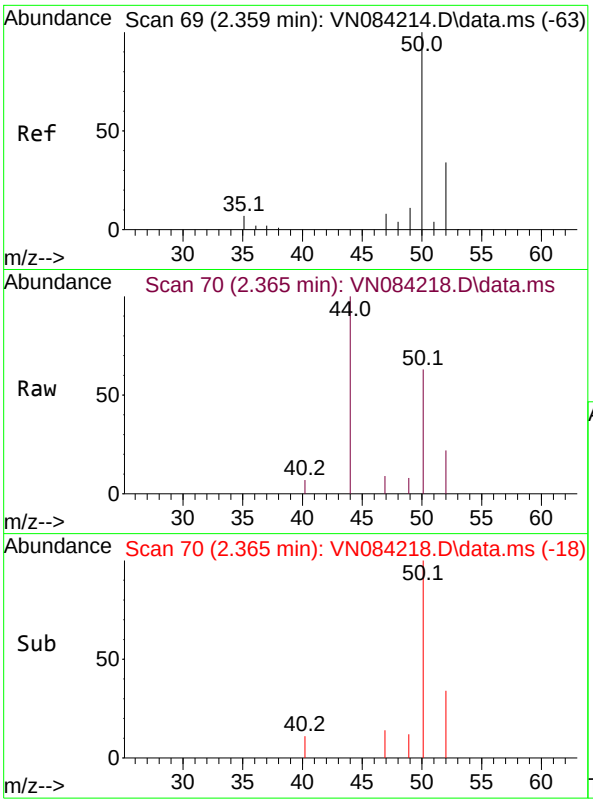


#2
Dichlorodifluoromethane
Concen: 1.015 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 85 Resp: 1928

Ion	Ratio	Lower	Upper
85	100		
87	25.3	17.6	52.9



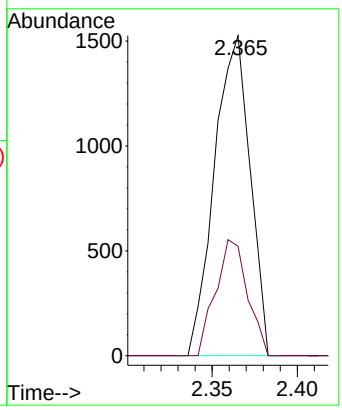


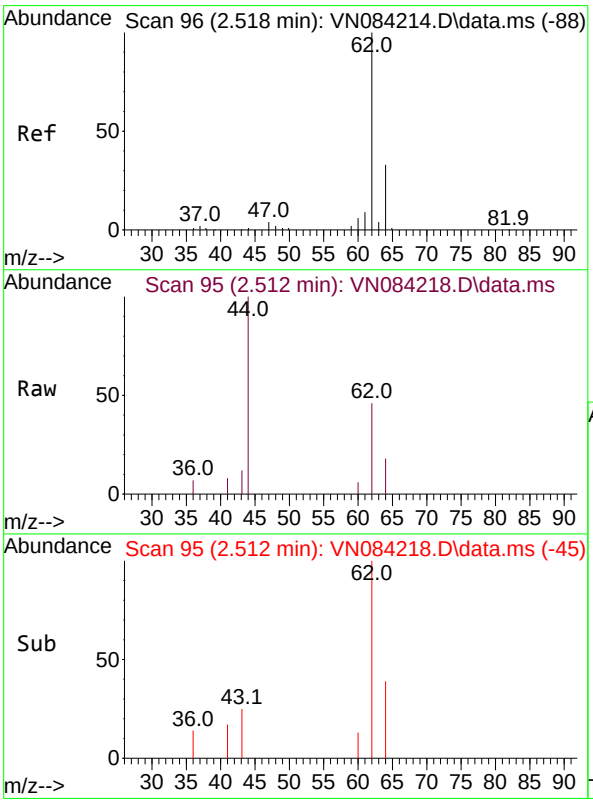
#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2217

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.8	40.2

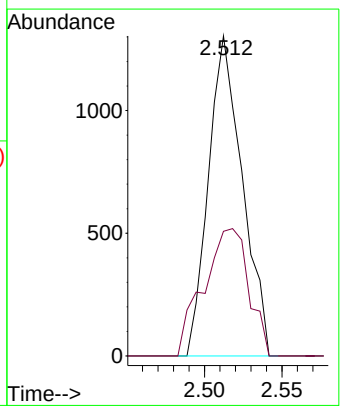


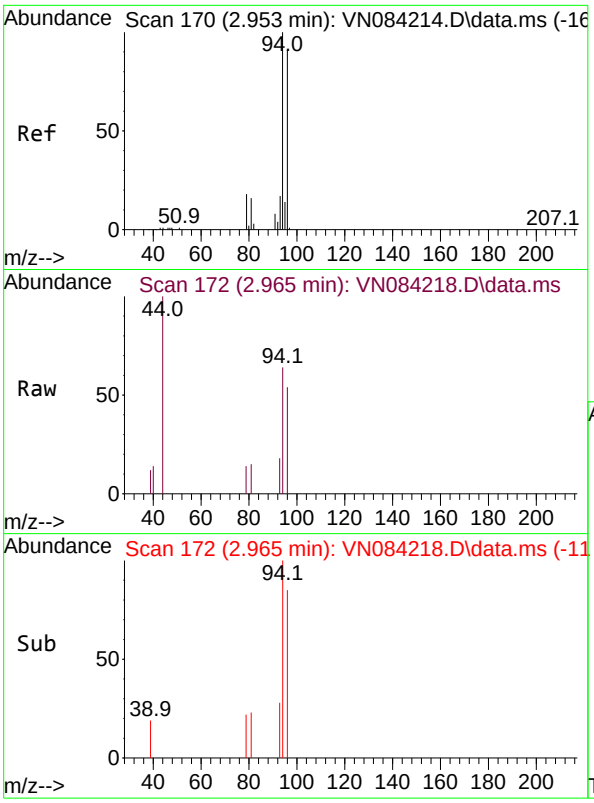


#4
Vinyl Chloride
Concen: 0.943 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
64	39.0	26.2	39.4



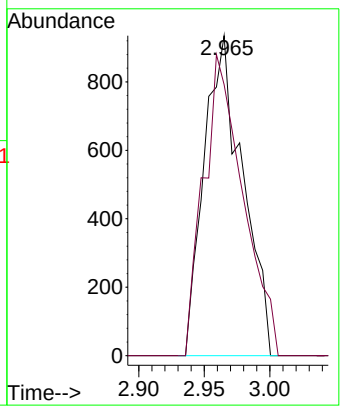


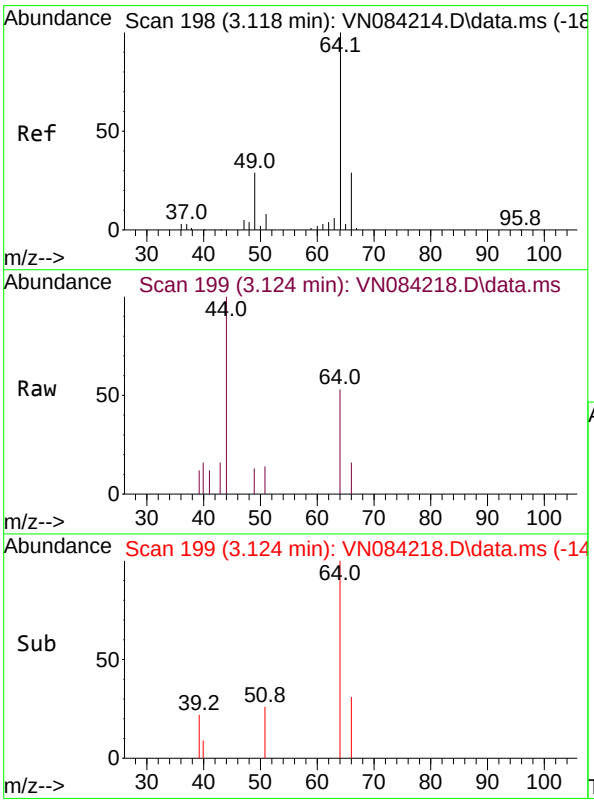
#5
Bromomethane
Concen: 1.378 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1910

Ion	Ratio	Lower	Upper
94	100		
96	84.7	72.9	109.3

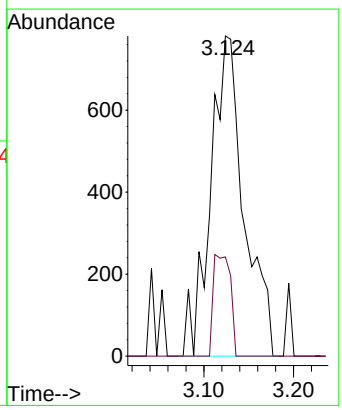


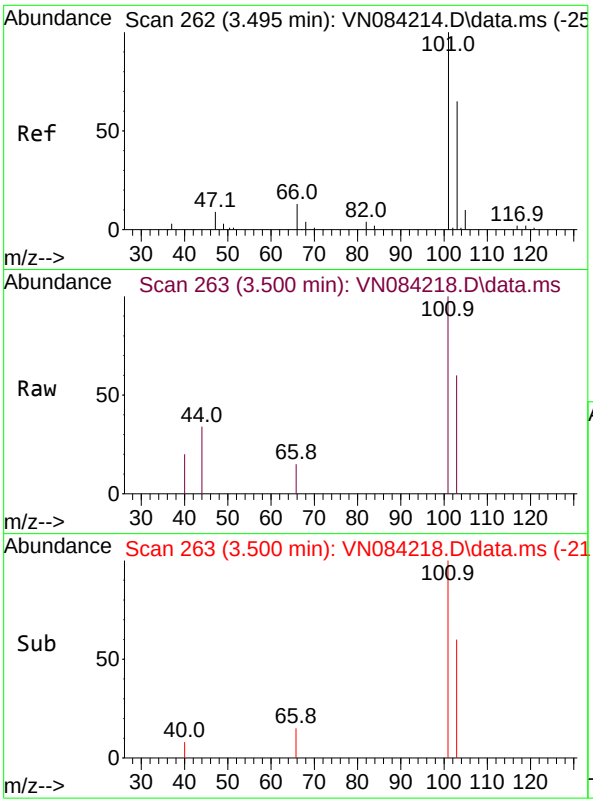


#6
Chloroethane
Concen: 1.349 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 64 Resp: 2029

Ion	Ratio	Lower	Upper
64	100		
66	31.0	23.5	35.3



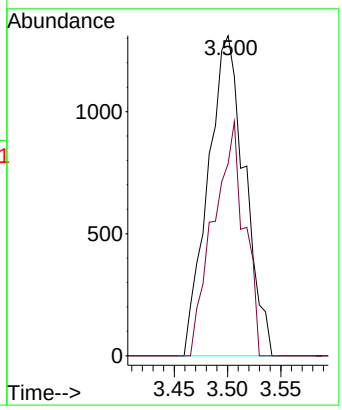


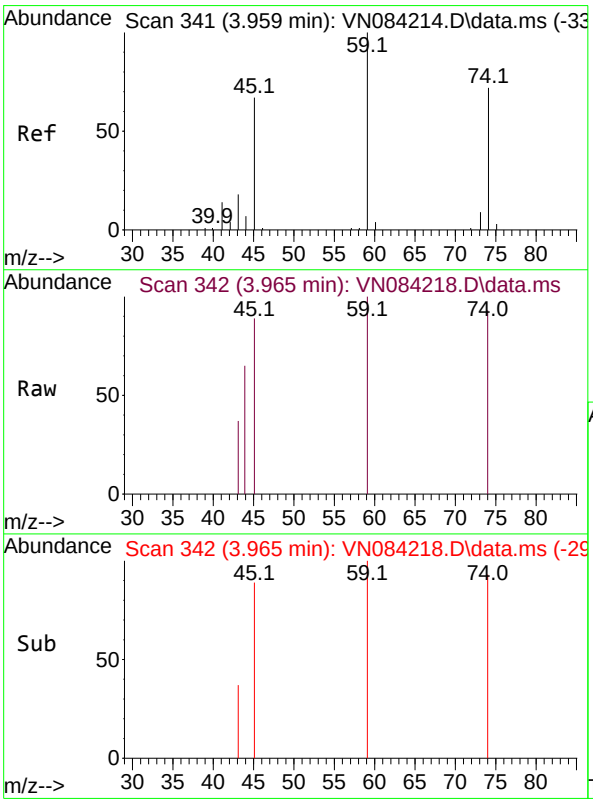
#7
Trichlorofluoromethane
Concen: 0.960 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3140

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.8	77.6

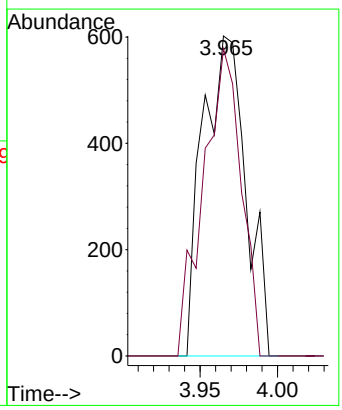


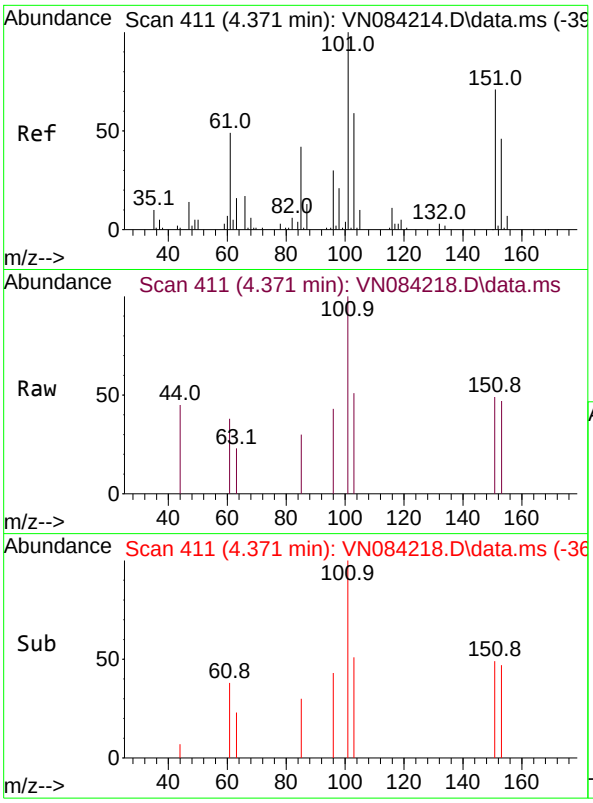


#8
Diethyl Ether
Concen: 0.962 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 74 Resp: 1167

Ion	Ratio	Lower	Upper
74	100		
45	83.9	47.7	143.1



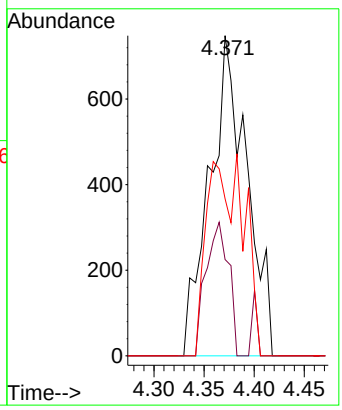


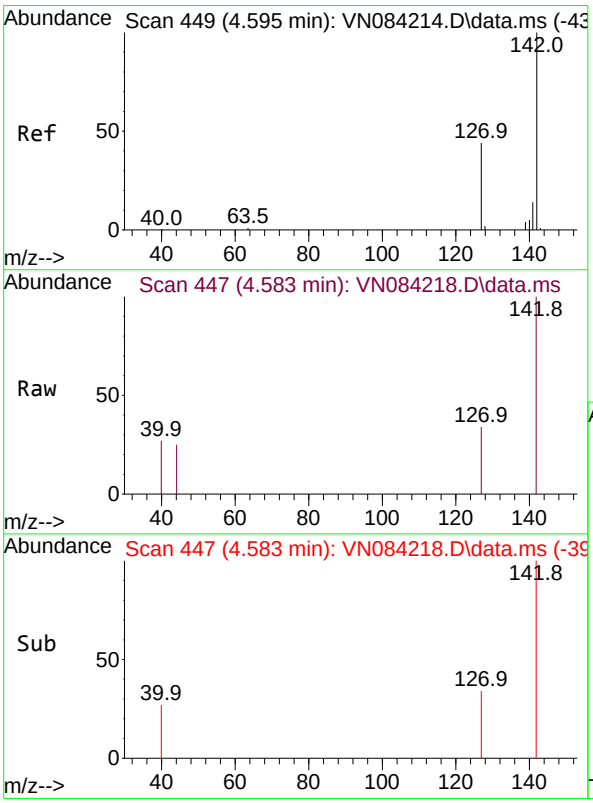
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.032 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

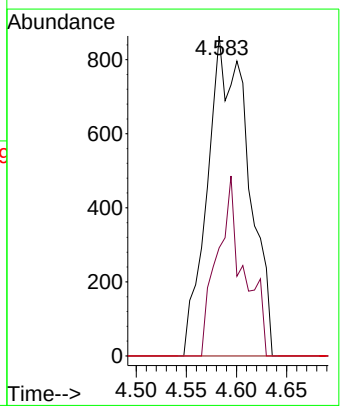


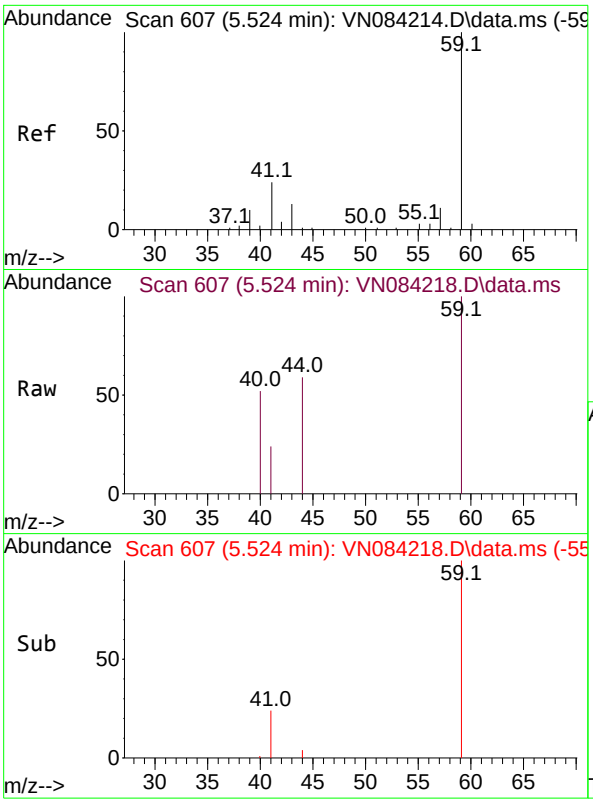


#10
Methyl Iodide
Concen: 1.013 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



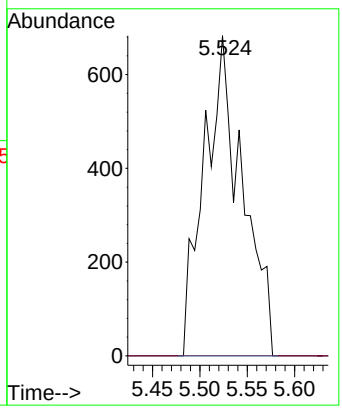


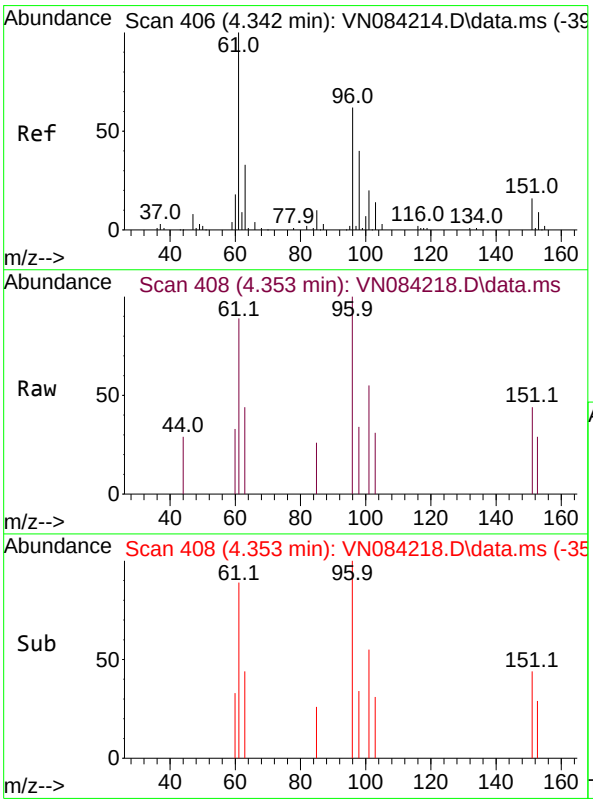
#11
Tert butyl alcohol
Concen: 4.888 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1919

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

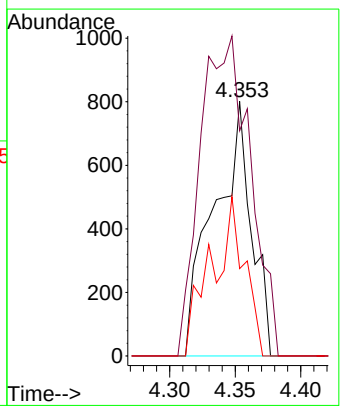


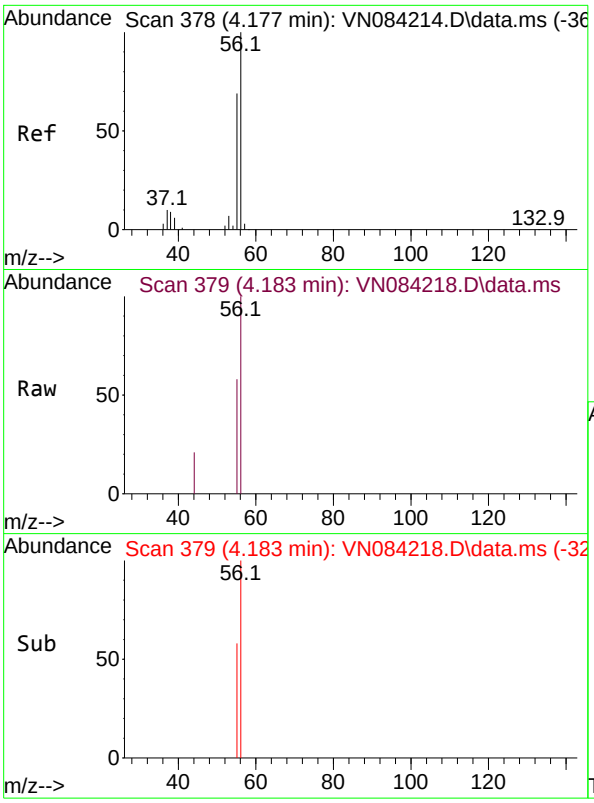


#12
1,1-Dichloroethene
Concen: 0.876 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



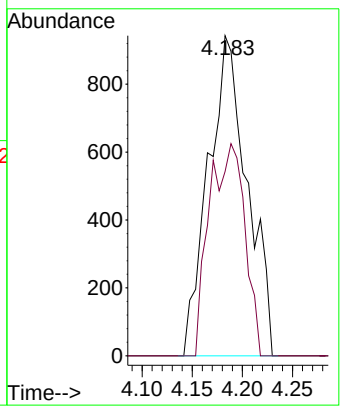


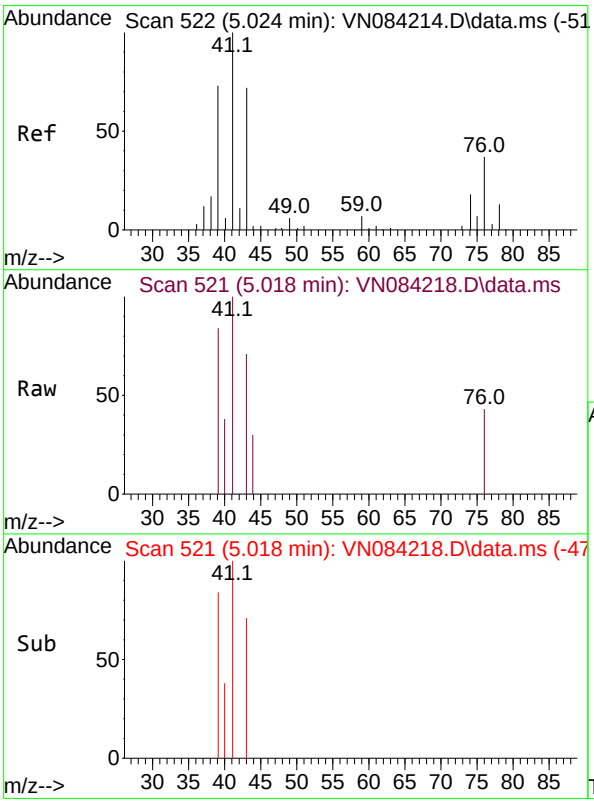
#13
Acrolein
Concen: 5.658 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2550

Ion	Ratio	Lower	Upper
56	100		
55	60.3	57.2	85.8

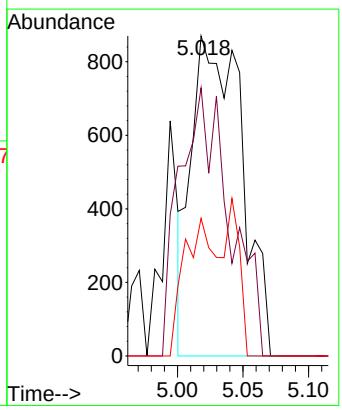


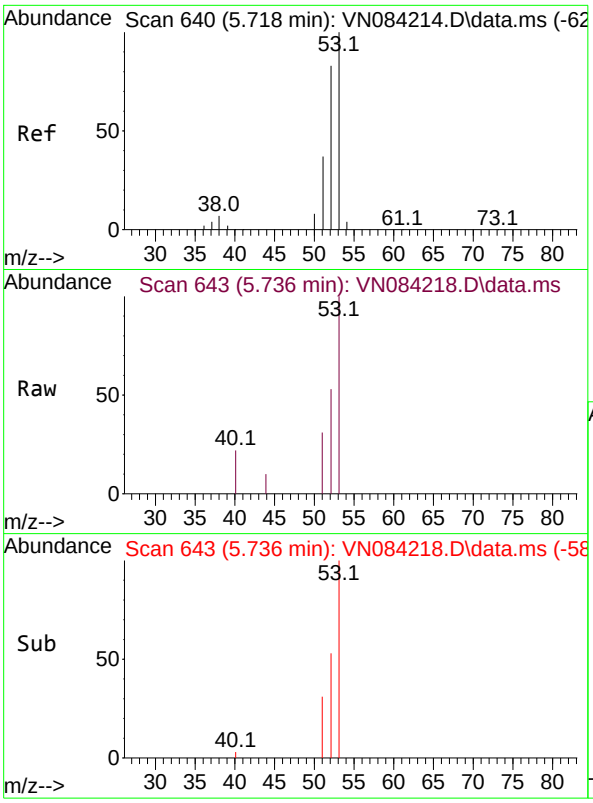


#14
Allyl chloride
Concen: 0.743 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



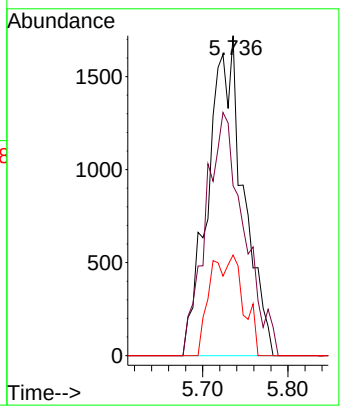


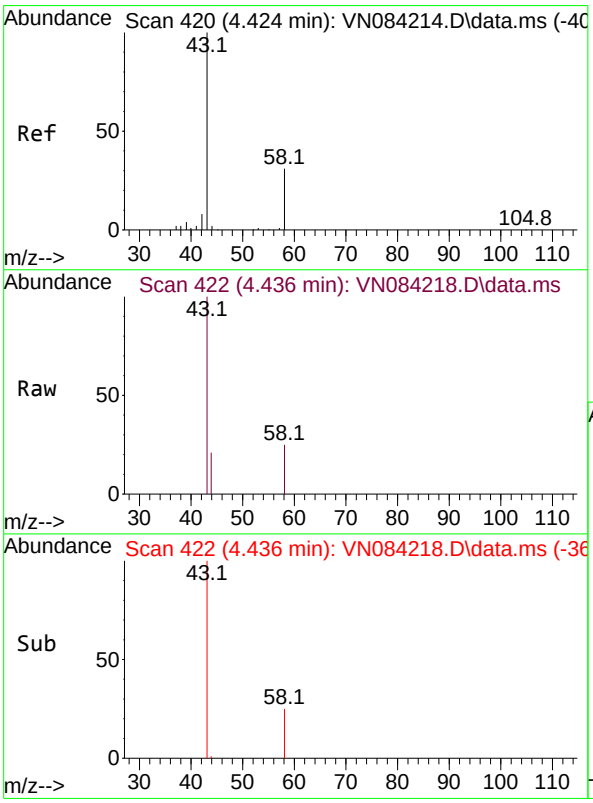
#15
Acrylonitrile
Concen: 4.963 ug/l
RT: 5.736 min Scan# 64
Delta R.T. 0.018 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

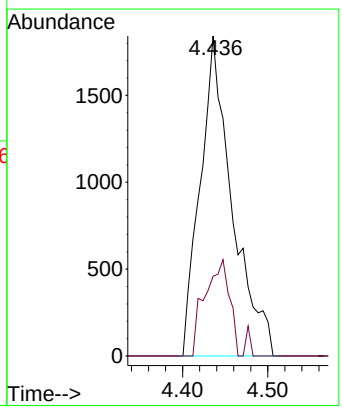


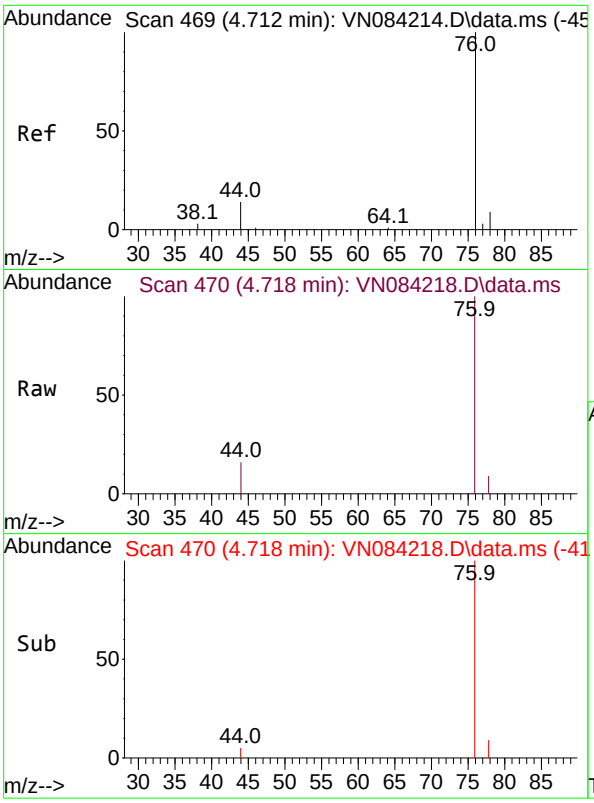


#16
Acetone
Concen: 4.692 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 4799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.4	36.6



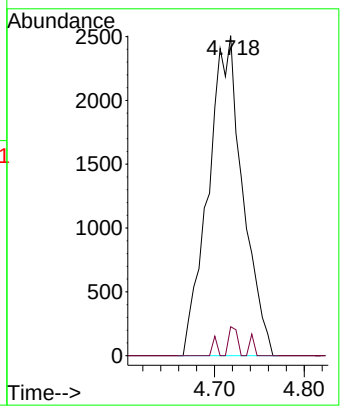


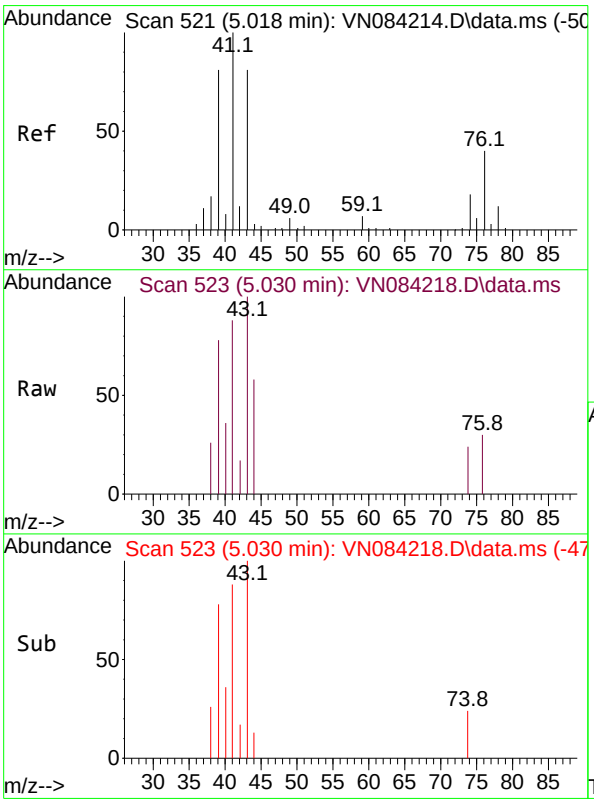
#17
Carbon Disulfide
Concen: 1.167 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 6680

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

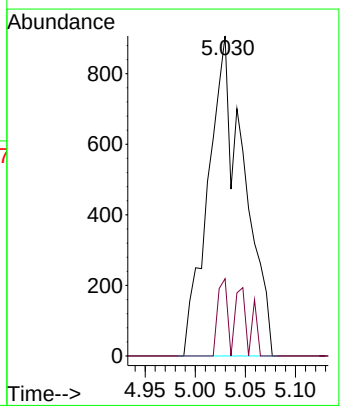


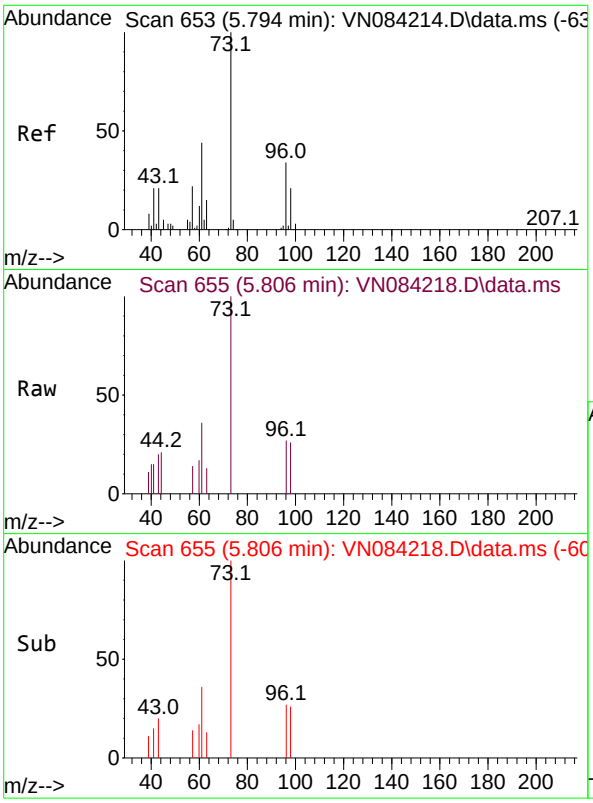


#18
Methyl Acetate
Concen: 1.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 43 Resp: 2249

Ion	Ratio	Lower	Upper
43	100		
74	6.4	19.2	28.8#



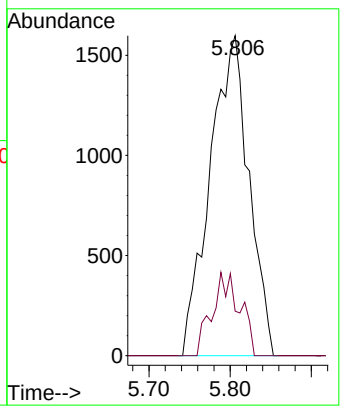


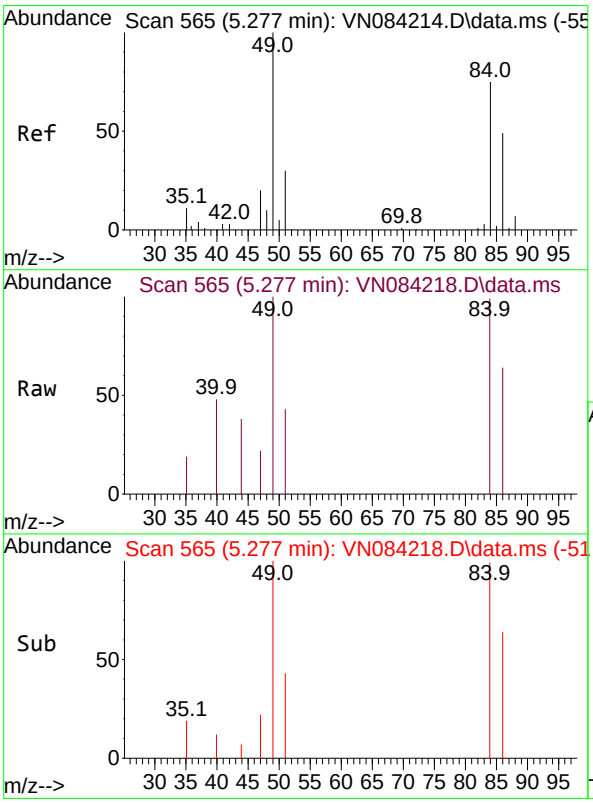
#19
Methyl tert-butyl Ether
Concen: 0.872 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5319

Ion	Ratio	Lower	Upper
73	100		
57	13.9	17.7	26.5#

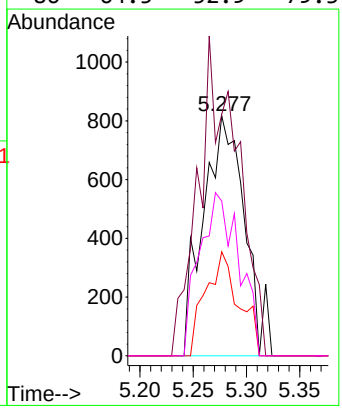


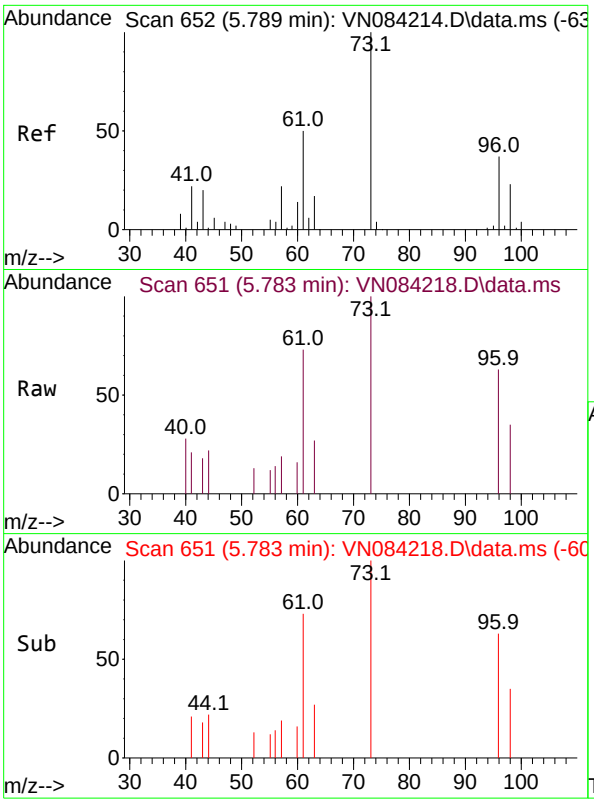


#20
Methylene Chloride
Concen: 1.060 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



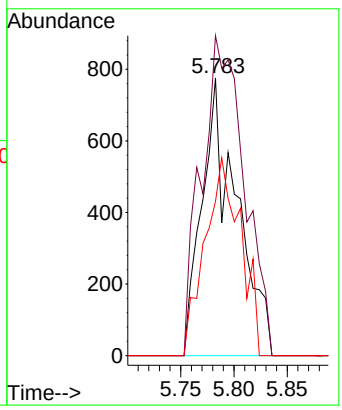


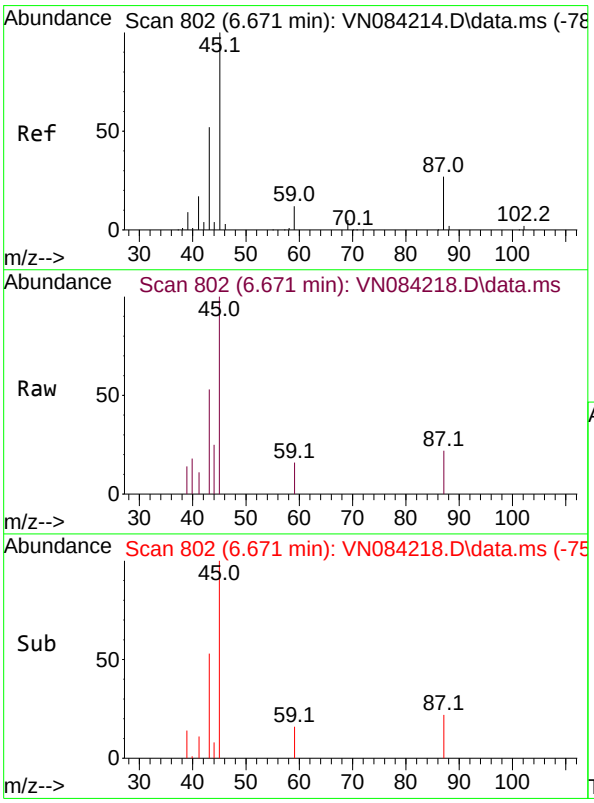
#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

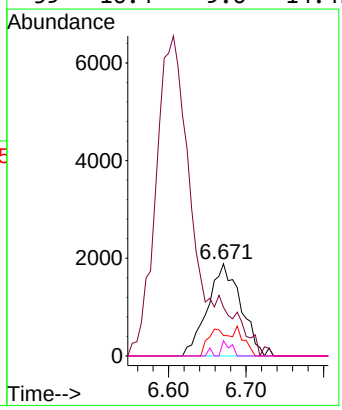


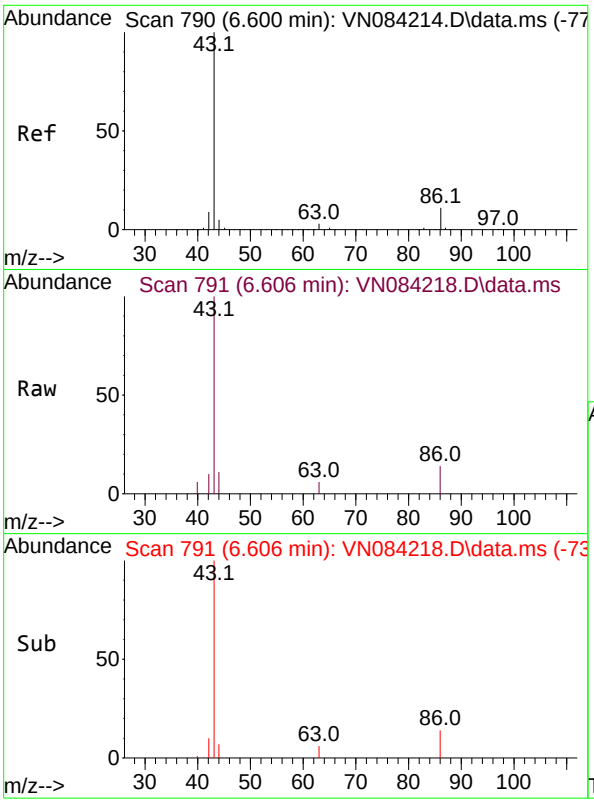


#22
Diisopropyl ether
Concen: 0.868 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



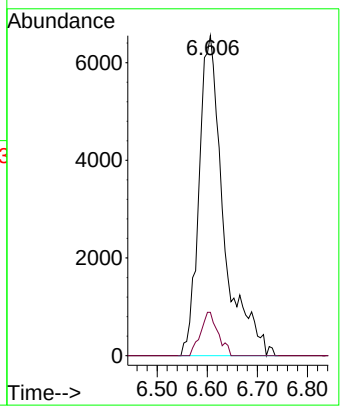


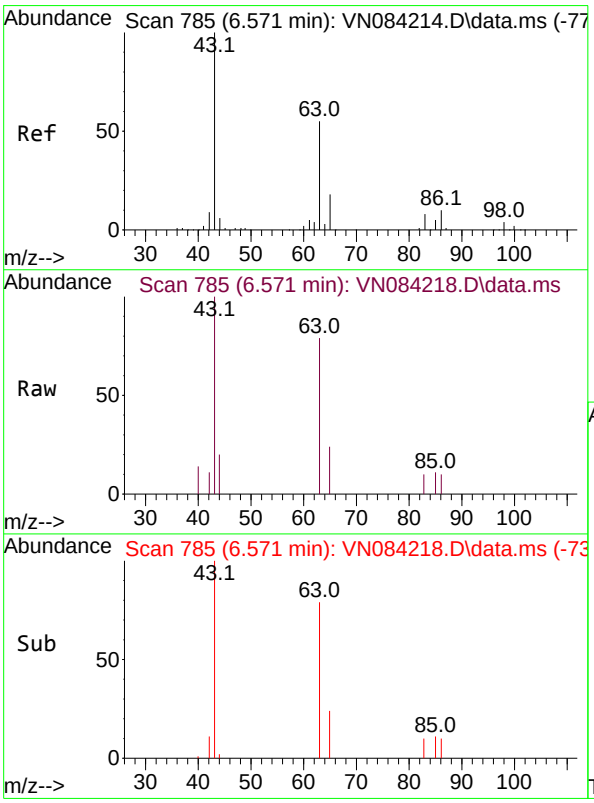
#23
Vinyl Acetate
Concen: 4.634 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 22441

Ion	Ratio	Lower	Upper
43	100		
86	13.5	8.6	12.8#

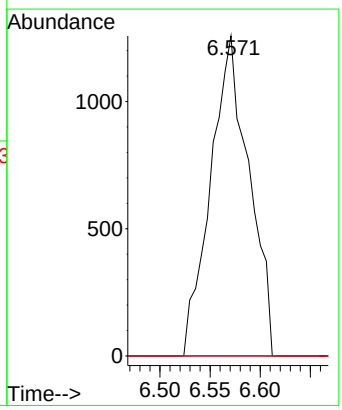


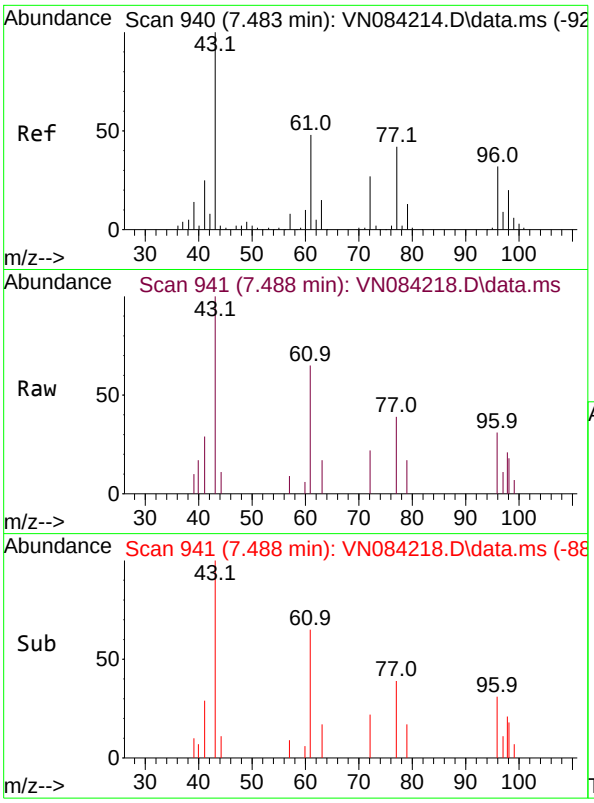


#24
1,1-Dichloroethane
Concen: 0.925 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



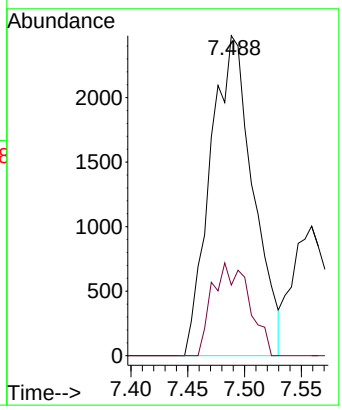


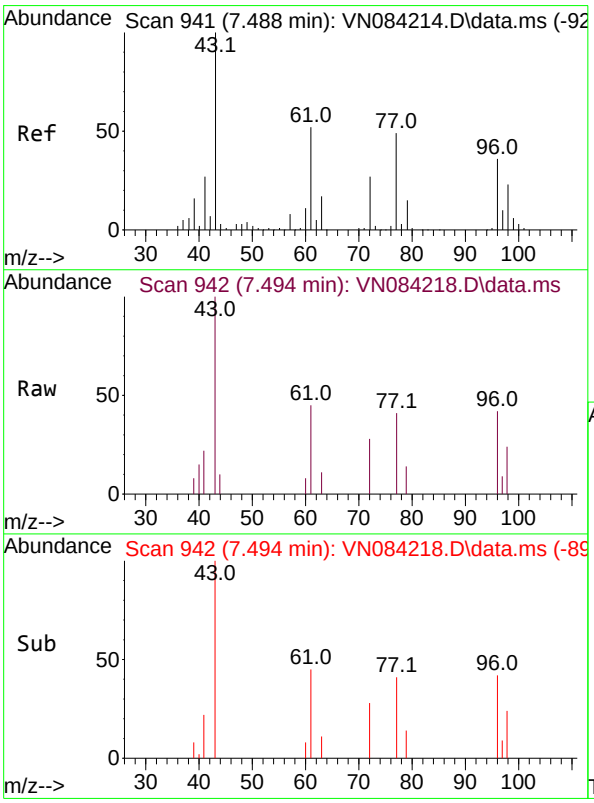
#25
2-Butanone
Concen: 4.658 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6488

Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.4	32.2

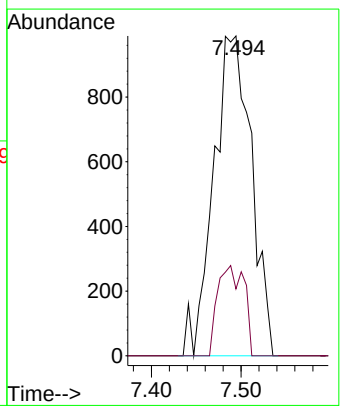


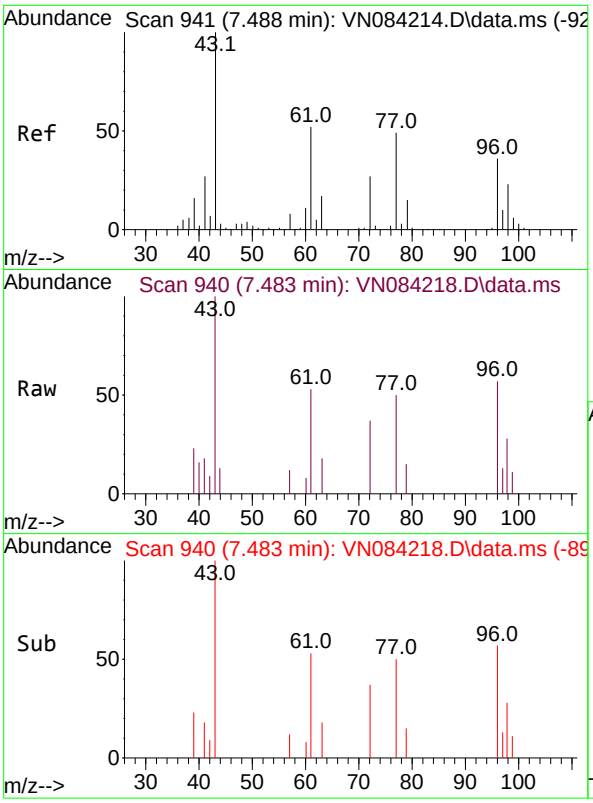


#26
2,2-Dichloropropane
Concen: 0.886 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 77 Resp: 2902

Ion	Ratio	Lower	Upper
77	100		
97	19.7	10.8	32.3



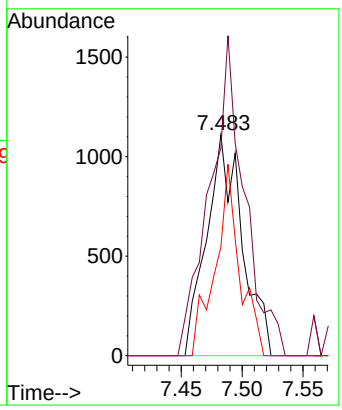


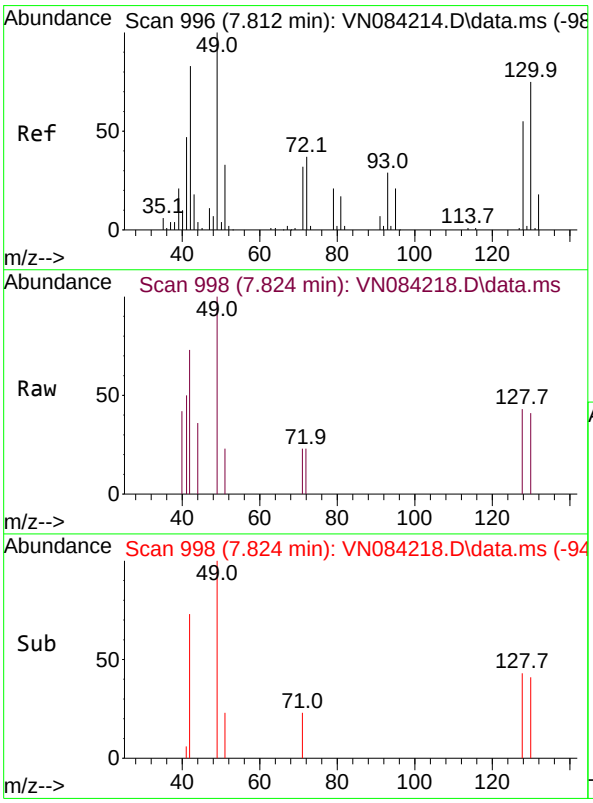
#27
cis-1,2-Dichloroethene
Concen: 0.987 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

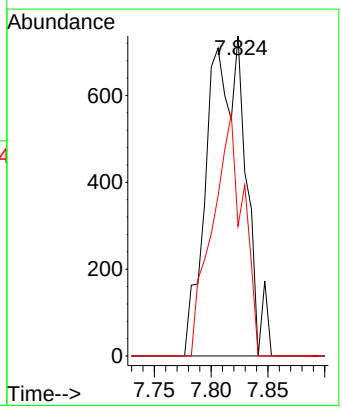


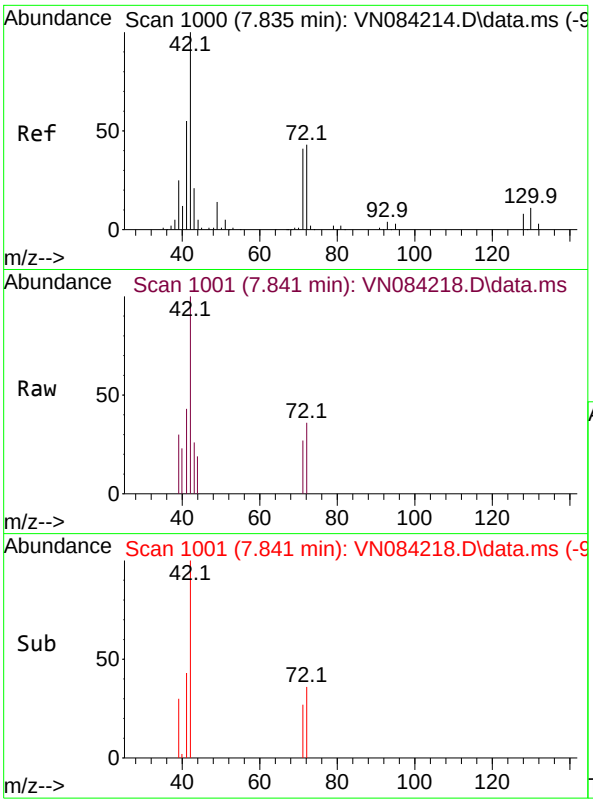


#28
Bromochloromethane
Concen: 1.060 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



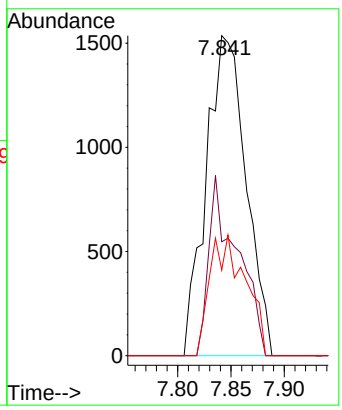


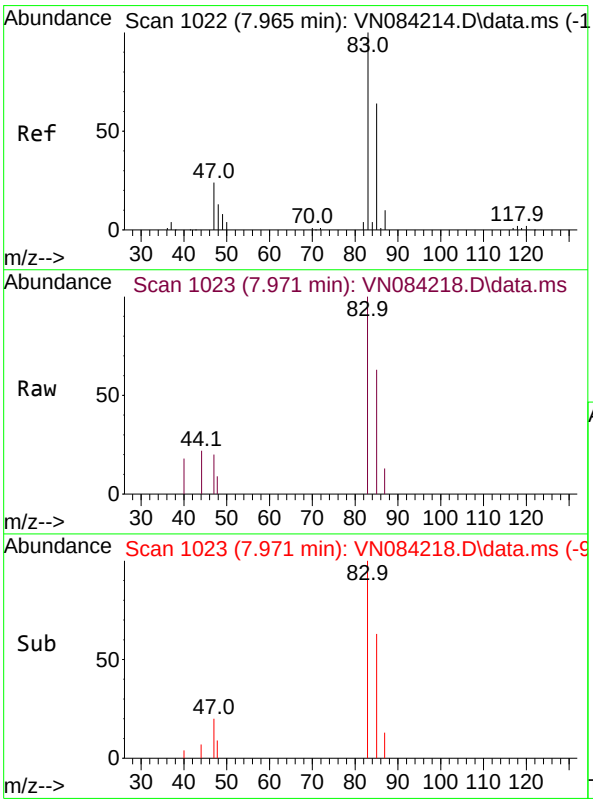
#29
Tetrahydrofuran
Concen: 4.660 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

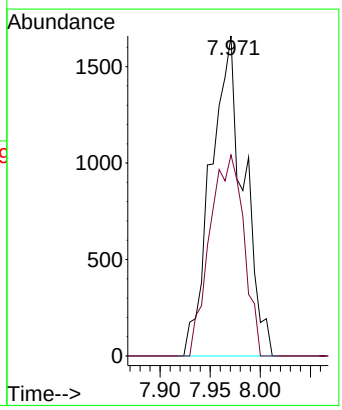


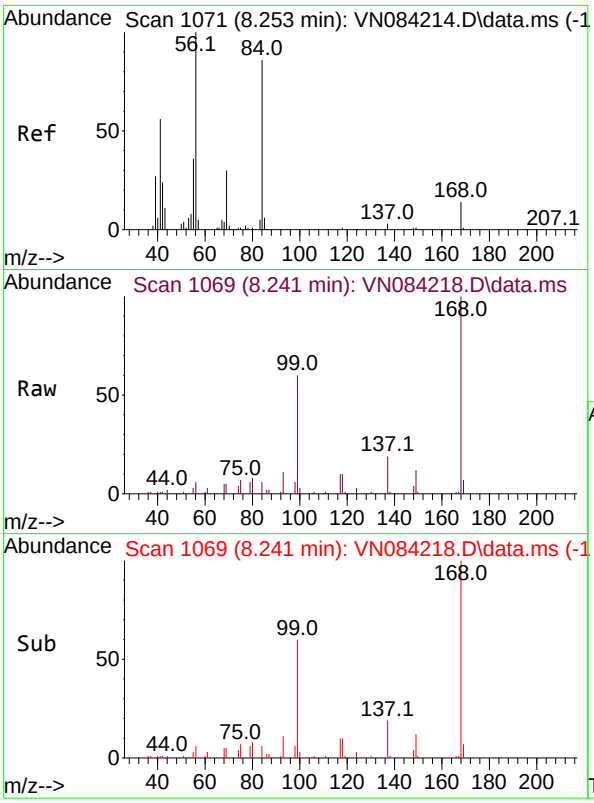


#30
Chloroform
Concen: 1.005 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 83 Resp: 3793

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4



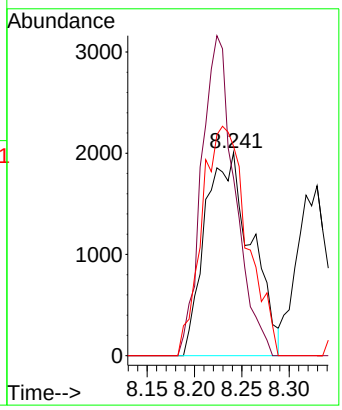


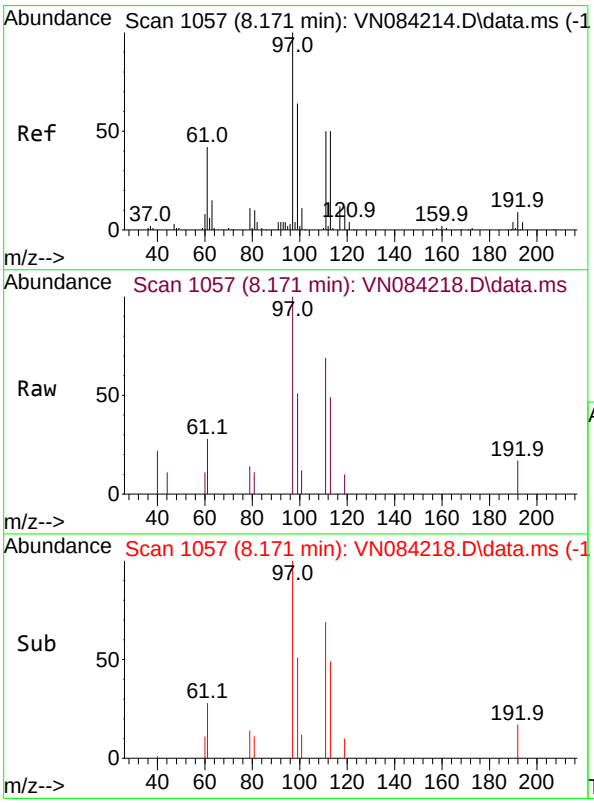
#31
Cyclohexane
Concen: 1.928 ug/l
RT: 8.241 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

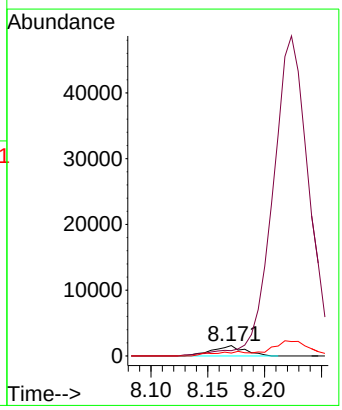


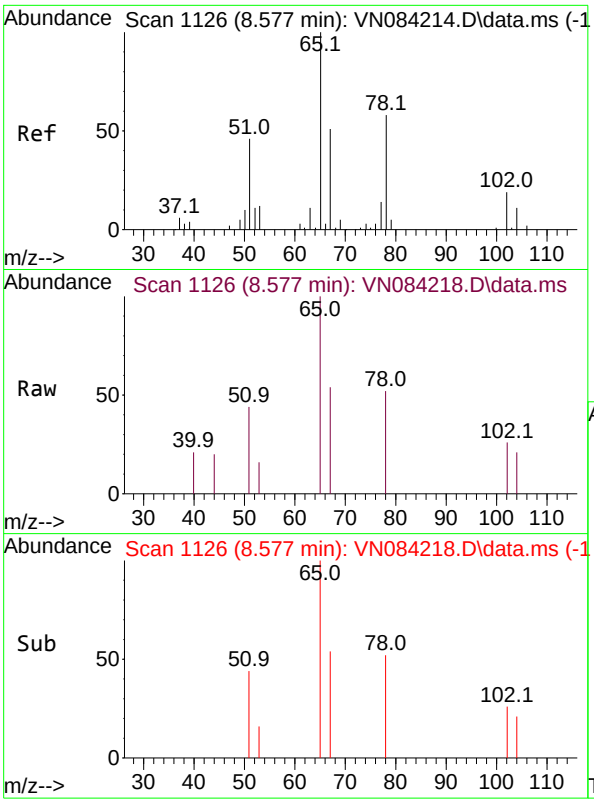


#32
1,1,1-Trichloroethane
Concen: 0.921 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



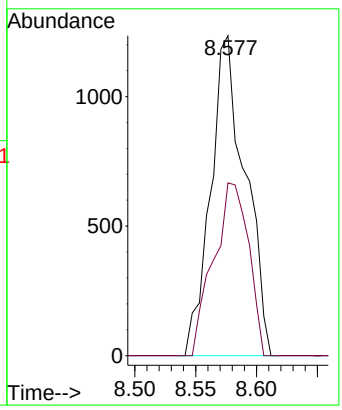


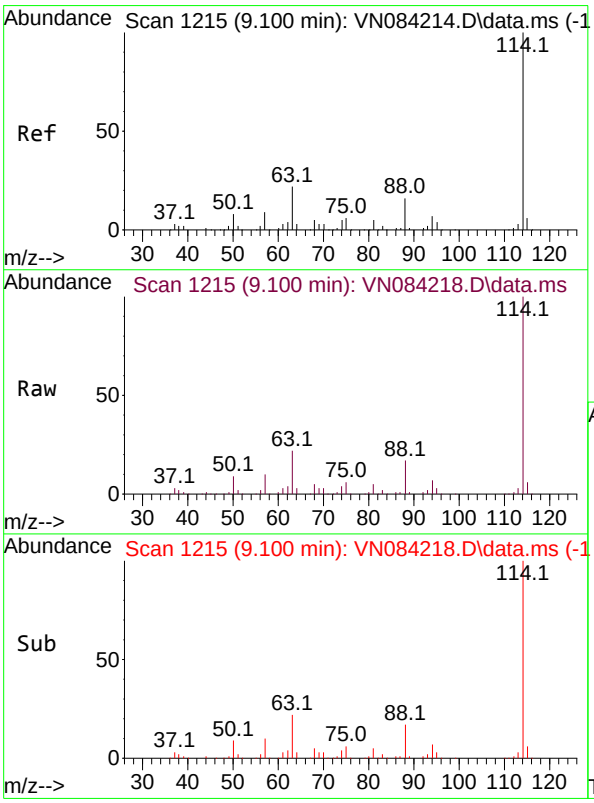
#33
1,2-Dichloroethane-d4
Concen: 1.026 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2443

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	102.0

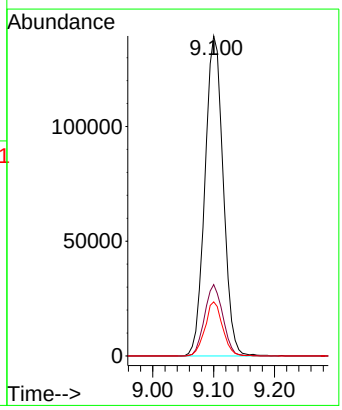


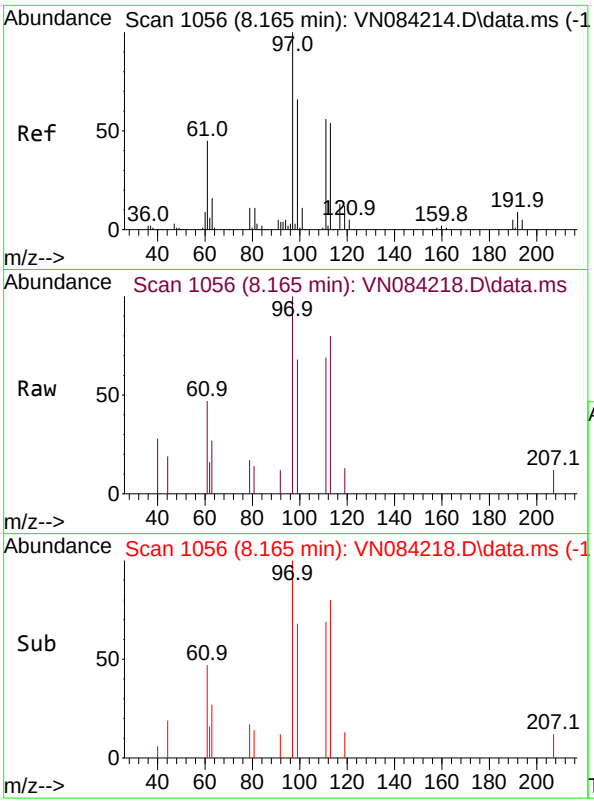


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



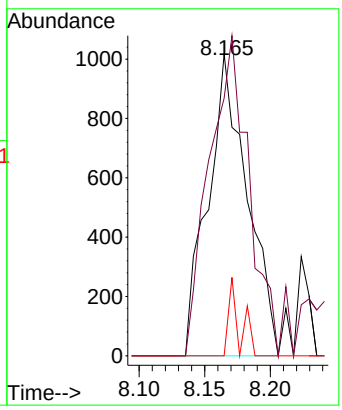


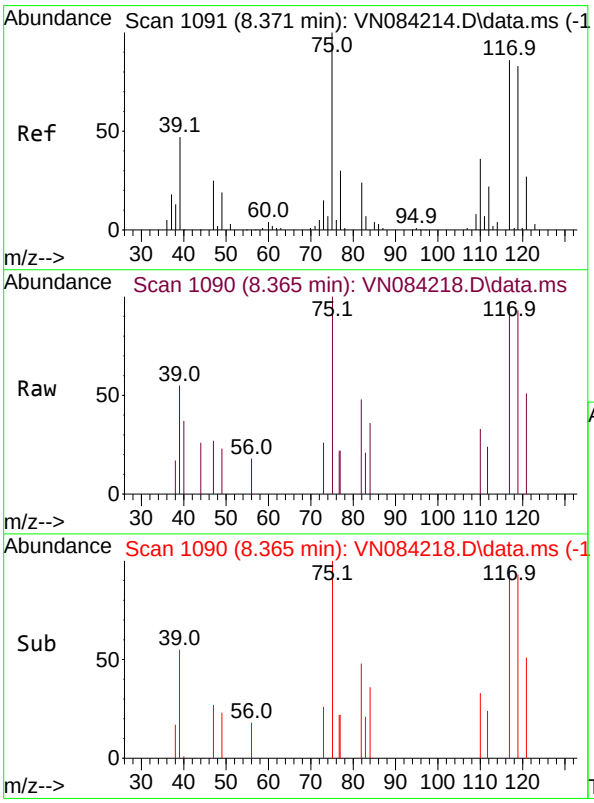
#35
Dibromofluoromethane
Concen: 1.105 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

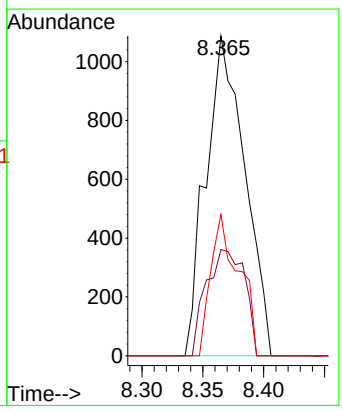


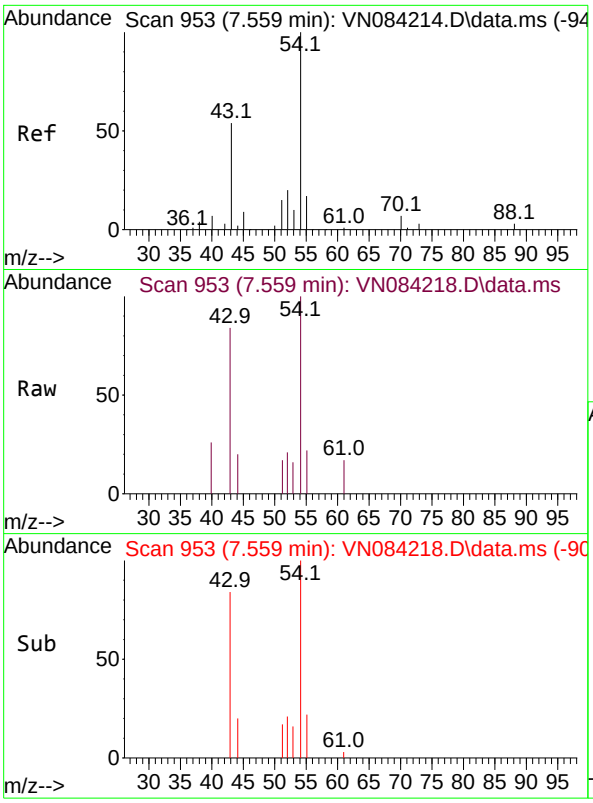


#36
1,1-Dichloropropene
Concen: 0.871 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



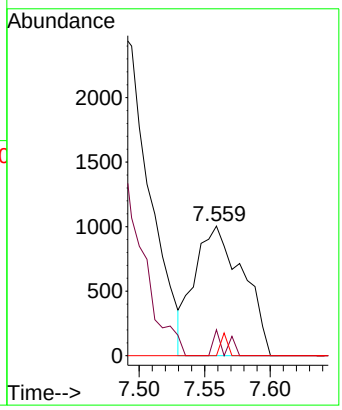


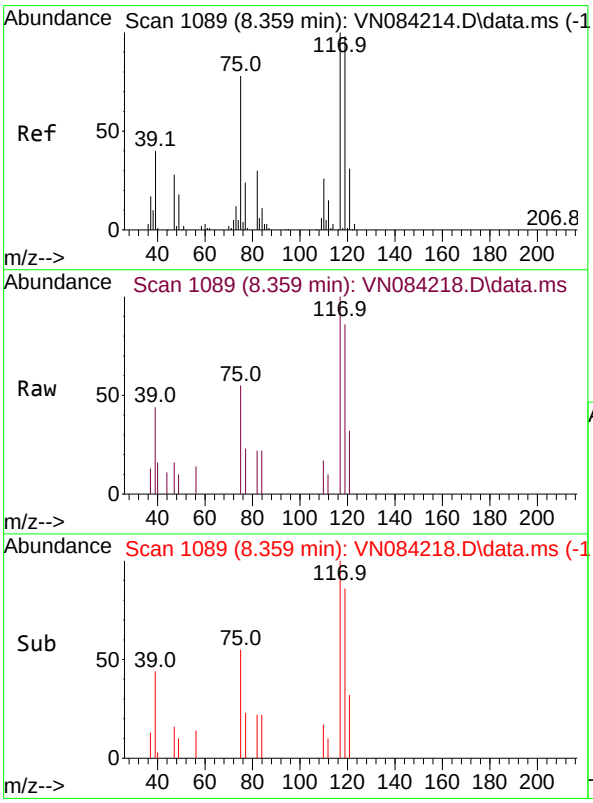
#37
Ethyl Acetate
Concen: 0.911 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

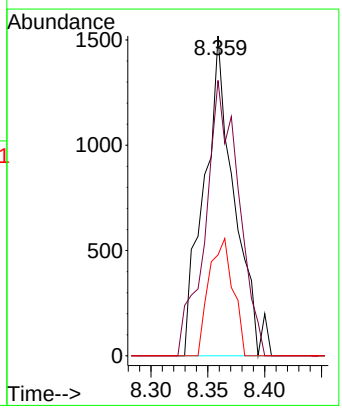


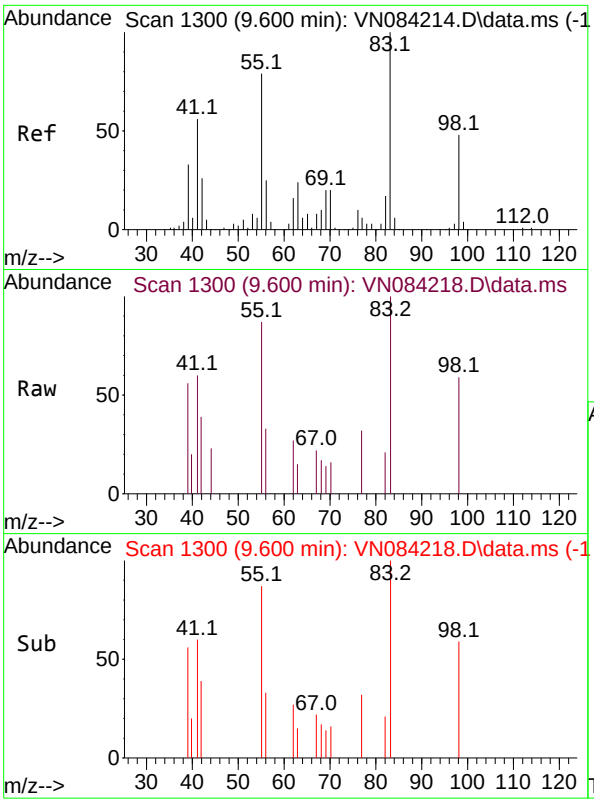


#38
Carbon Tetrachloride
Concen: 0.917 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



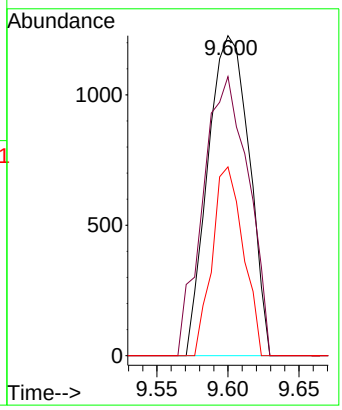


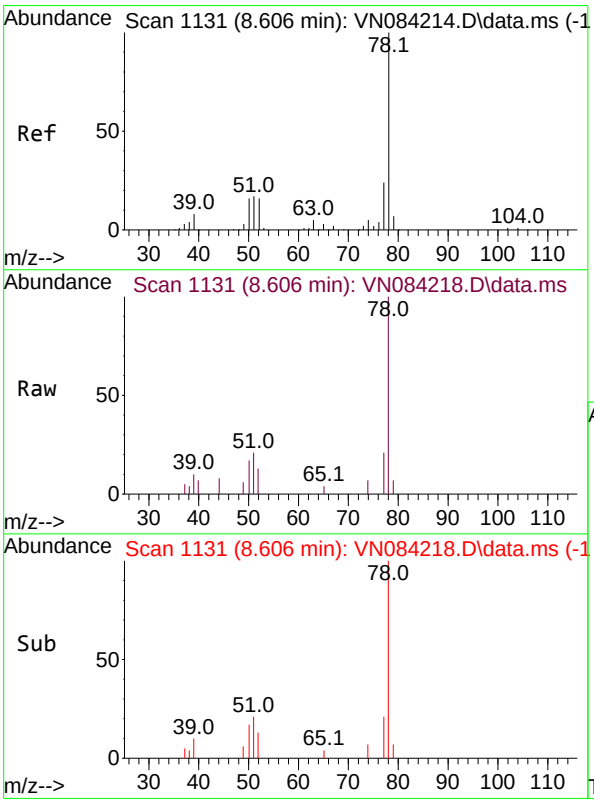
#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

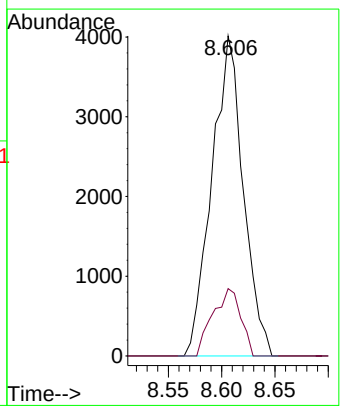


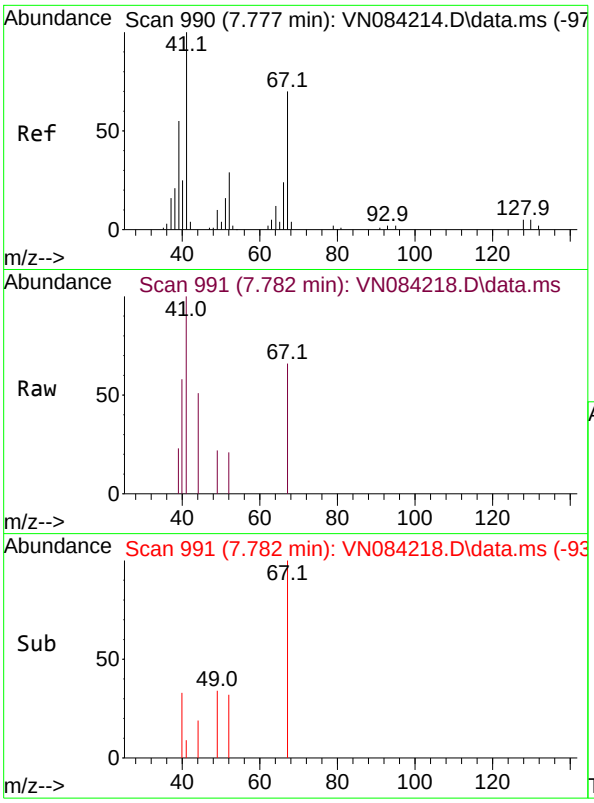


#40
Benzene
Concen: 0.952 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 78 Resp: 8245

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



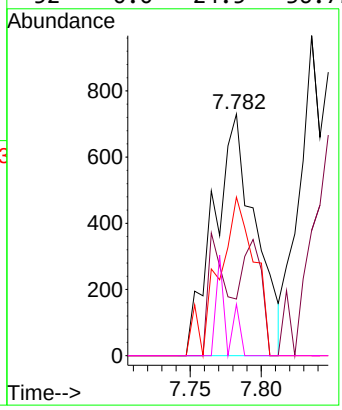


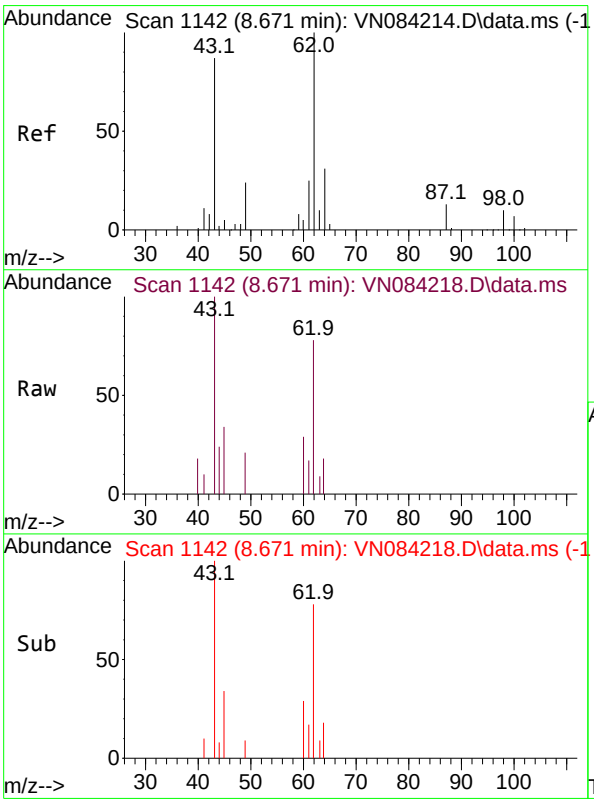
#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.782 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

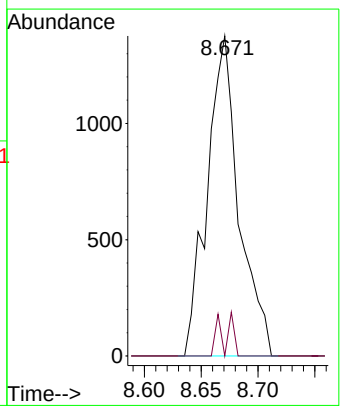


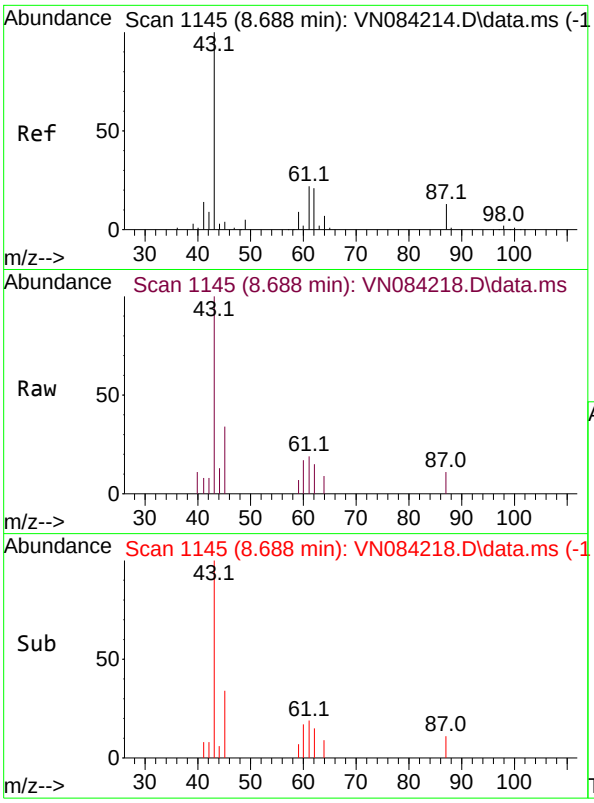


#42
1,2-Dichloroethane
Concen: 0.909 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 62 Resp: 2669

Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	18.2



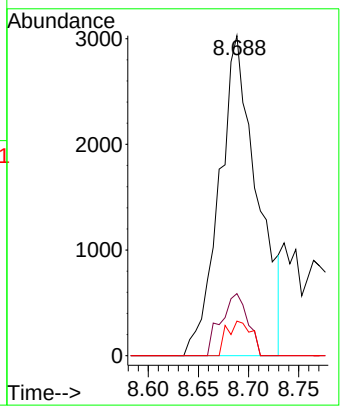


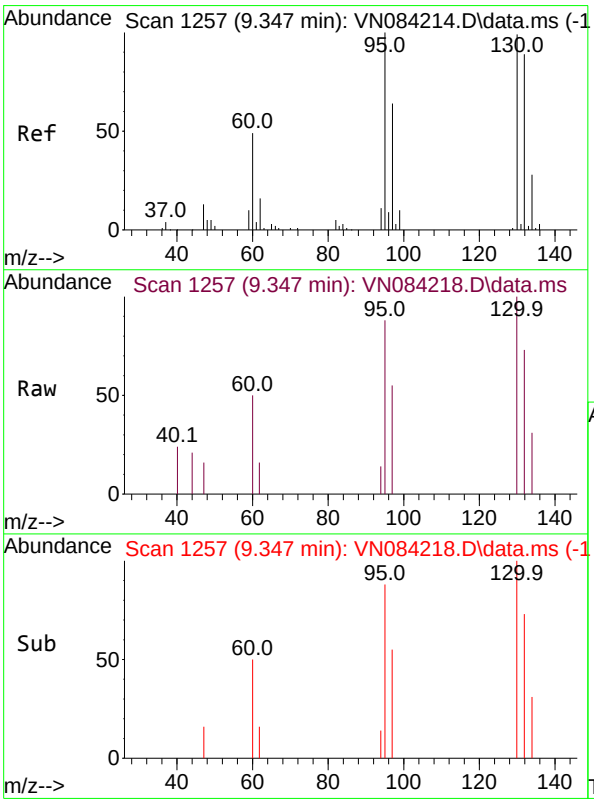
#43
Isopropyl Acetate
Concen: 1.424 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

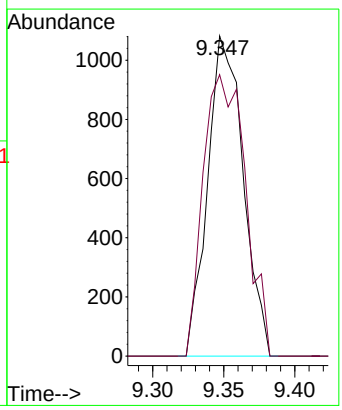


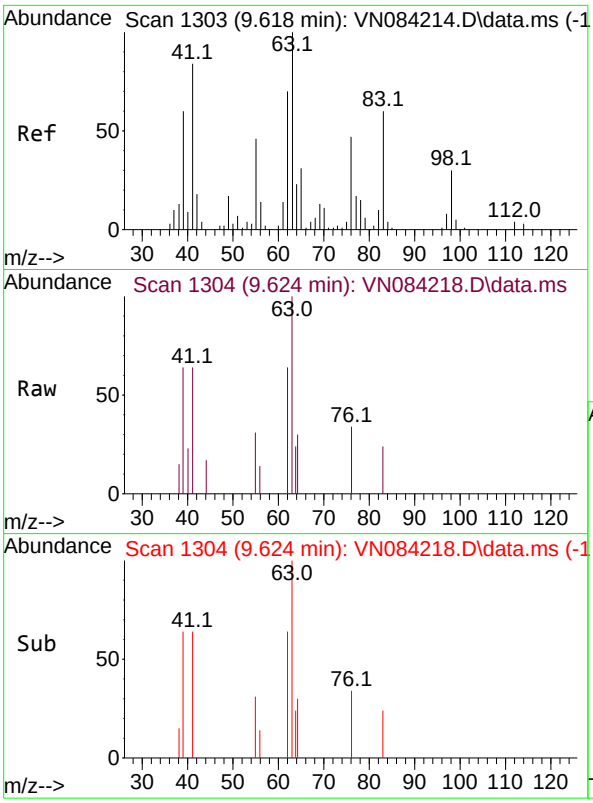


#44
Trichloroethene
Concen: 0.932 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:130 Resp: 1885

Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	203.0



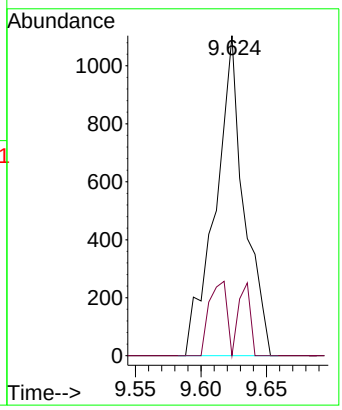


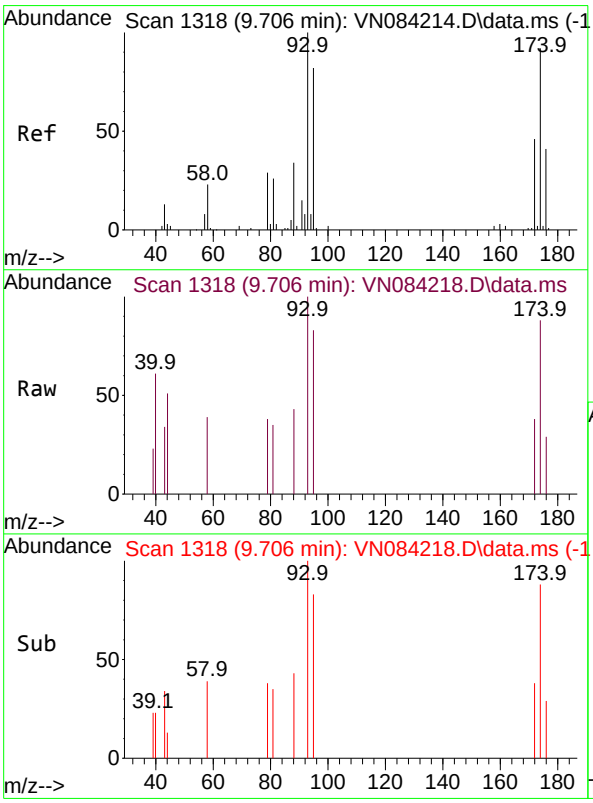
#45
1,2-Dichloropropane
Concen: 0.818 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1676

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.6	37.0#

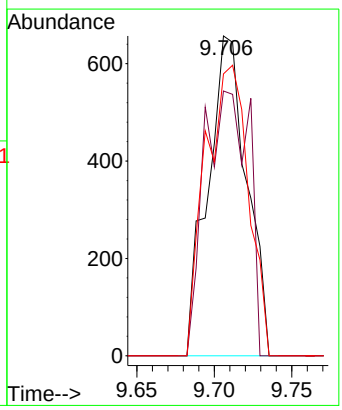


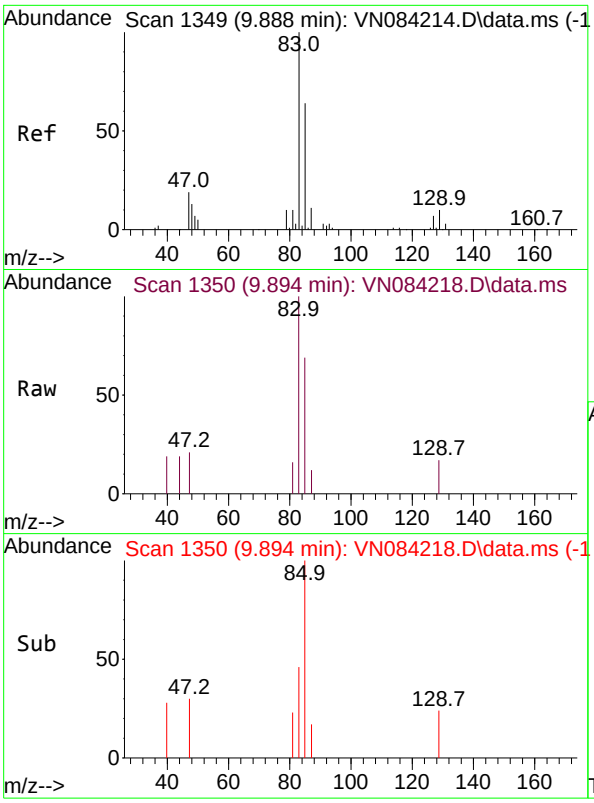


#46
Dibromomethane
Concen: 0.828 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



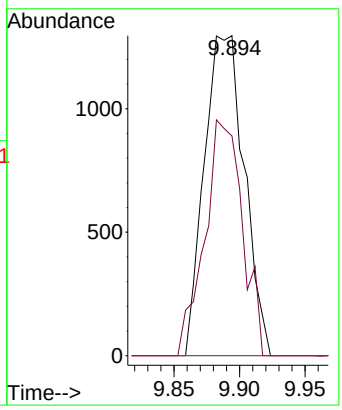


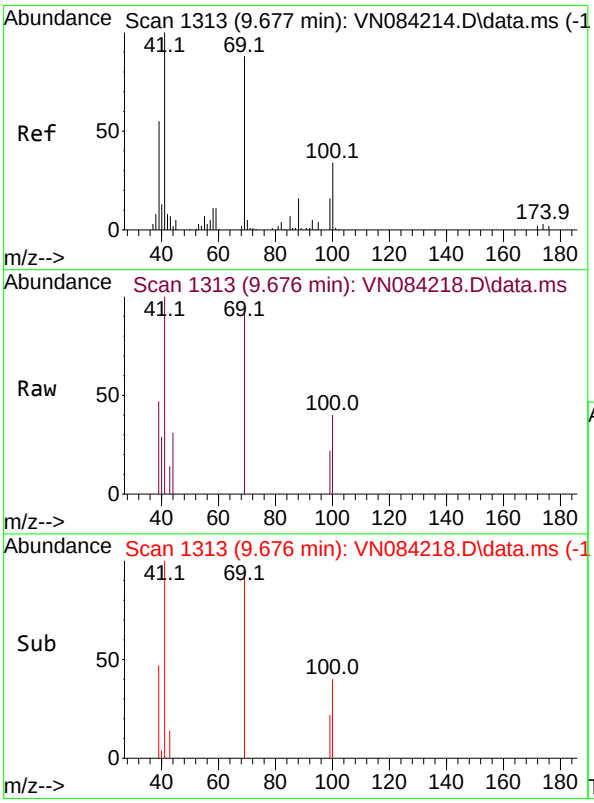
#47
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

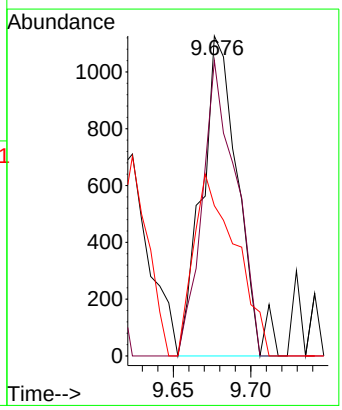


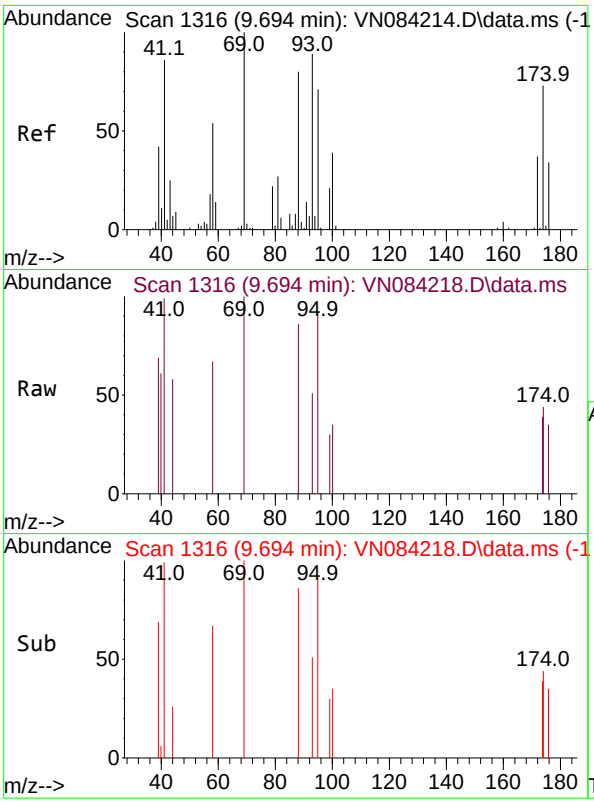


#48
Methyl methacrylate
Concen: 0.821 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



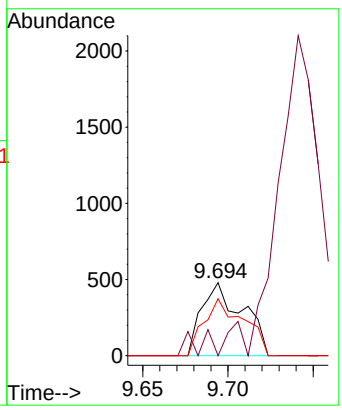


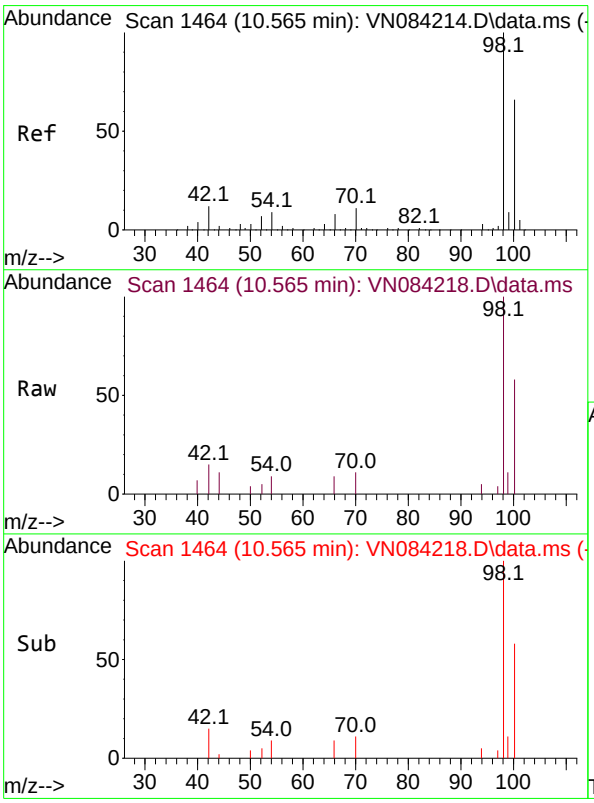
#49
1,4-Dioxane
Concen: 19.552 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

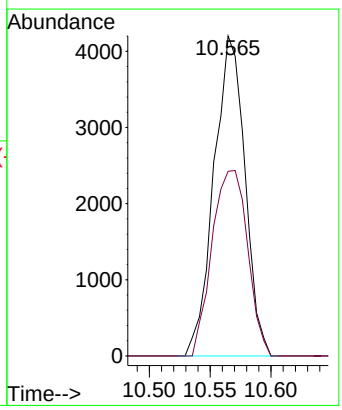


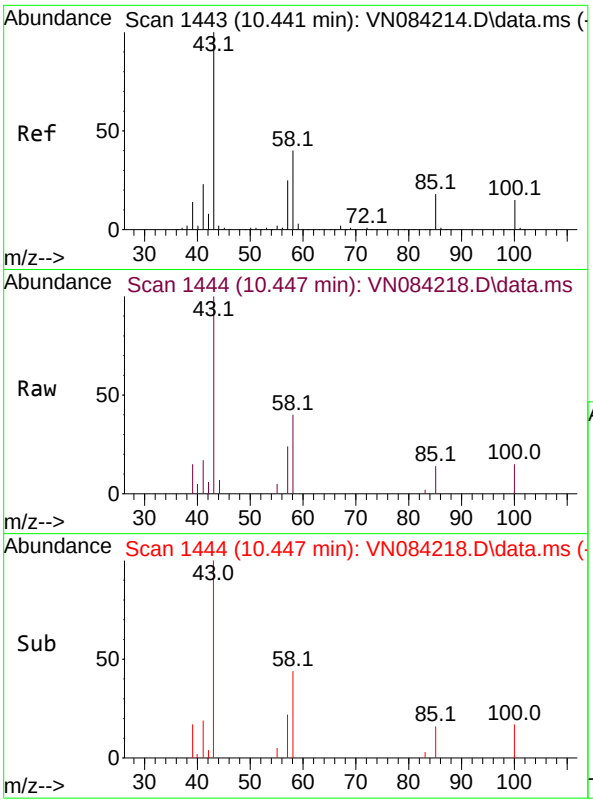


#50
Toluene-d8
Concen: 1.056 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 98 Resp: 7435

Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.7	79.1



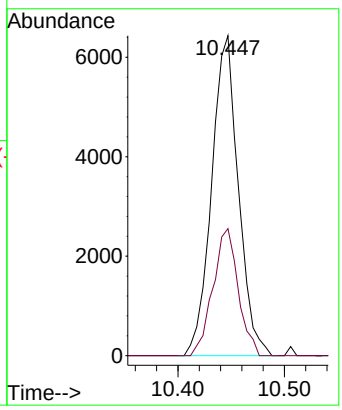


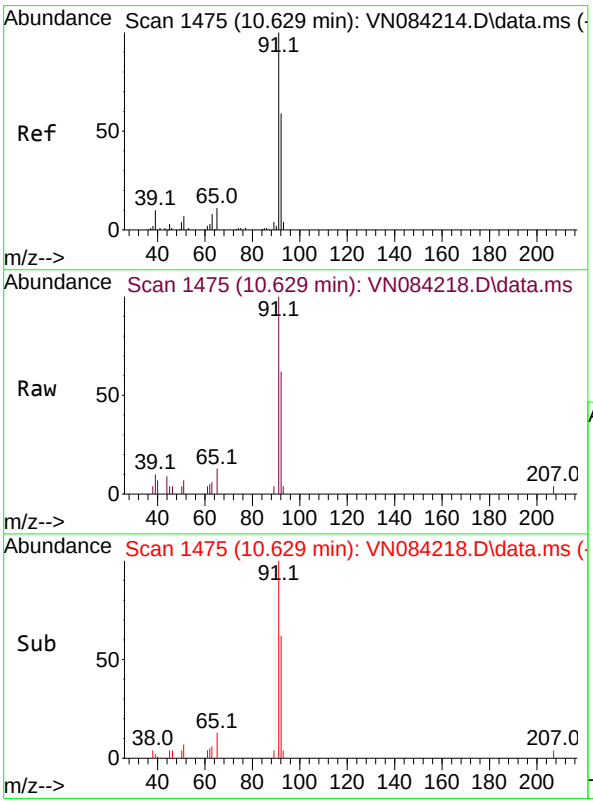
#51
4-Methyl-2-Pentanone
Concen: 4.134 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4

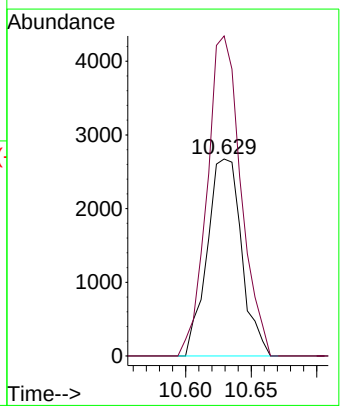


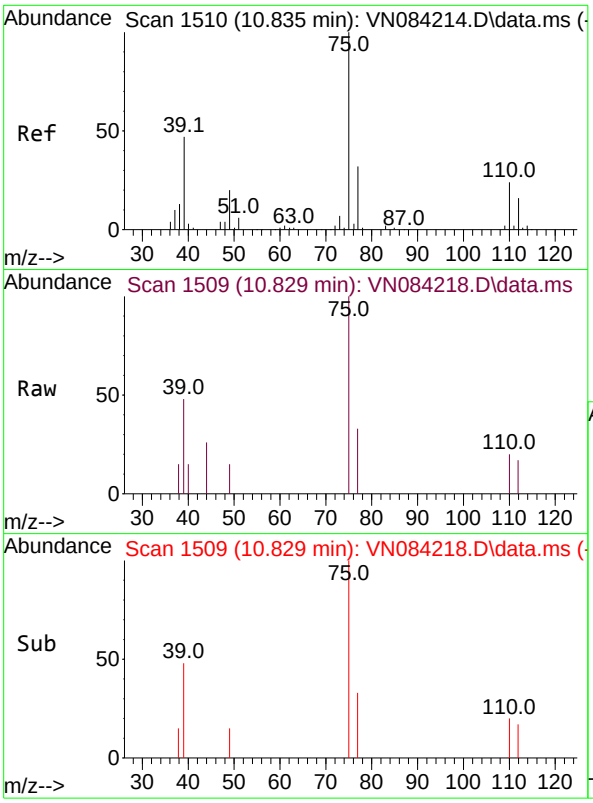


#52
Toluene
Concen: 0.923 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 92 Resp: 4875

Ion	Ratio	Lower	Upper
92	100		
91	159.8	137.3	205.9



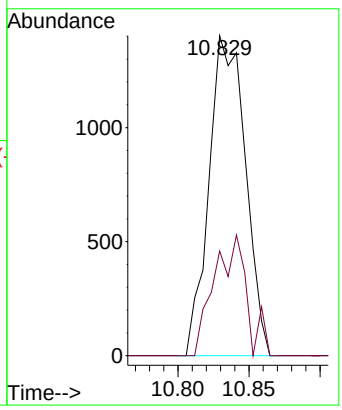


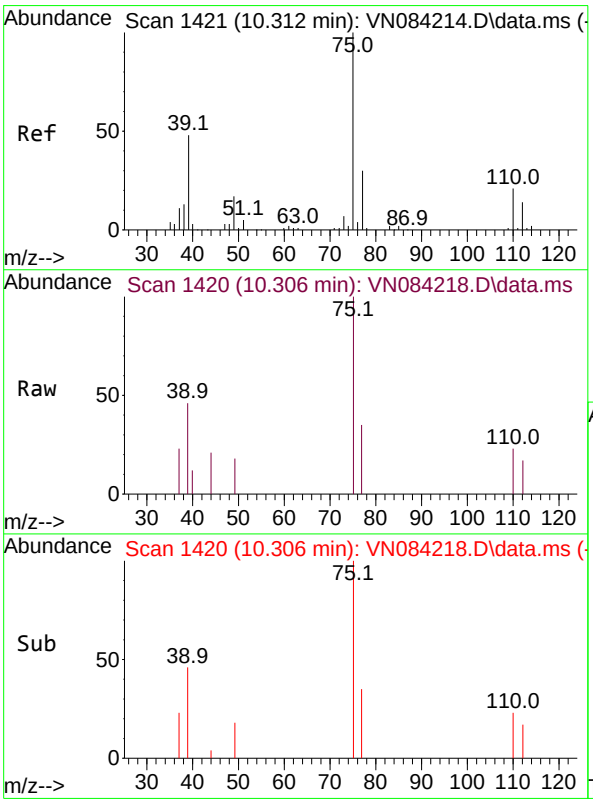
#53
t-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

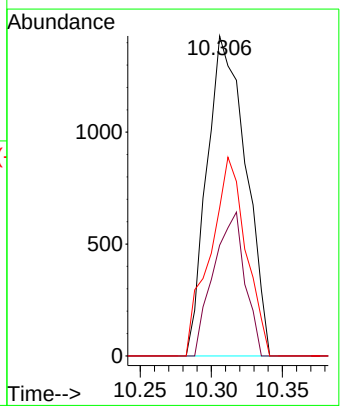


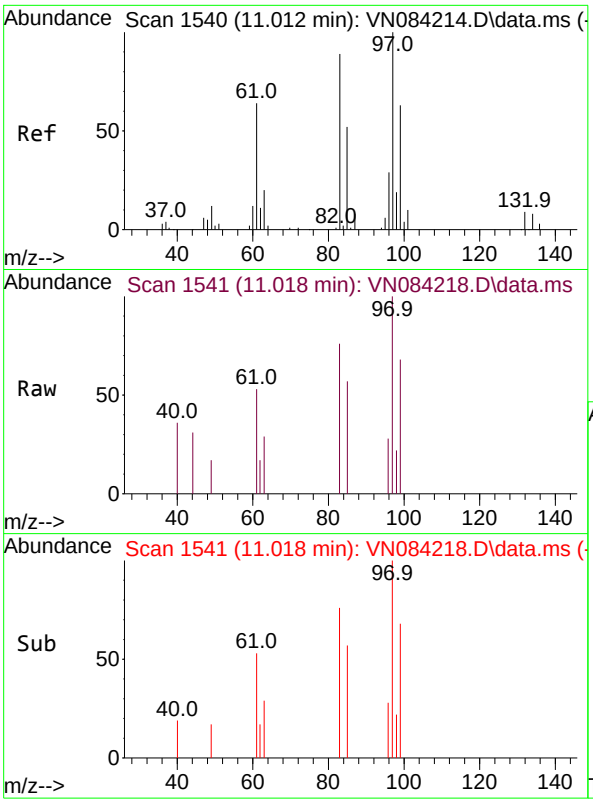


#54
cis-1,3-Dichloropropene
Concen: 0.808 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



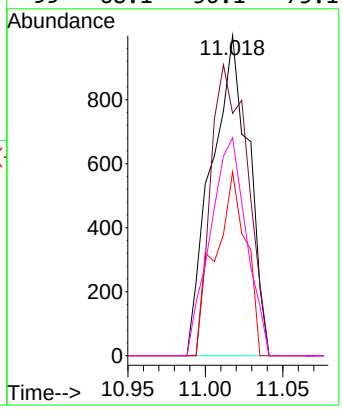


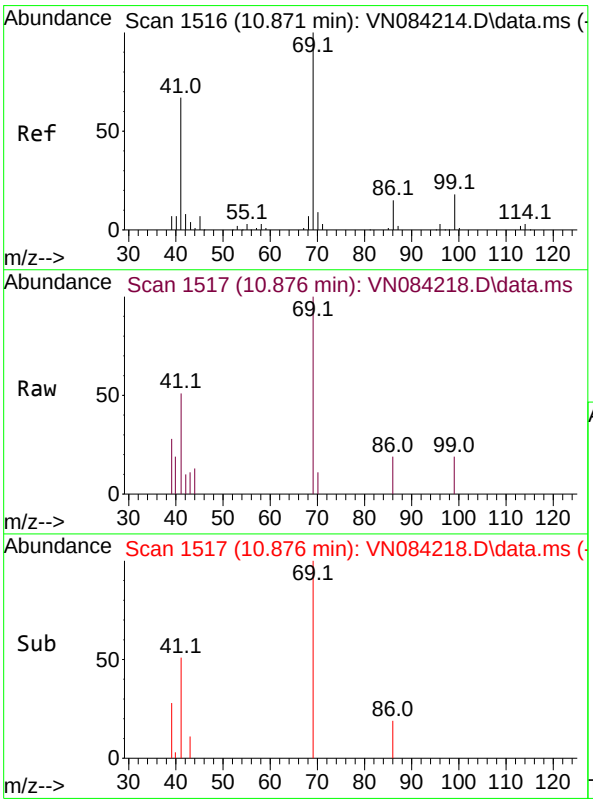
#55
1,1,2-Trichloroethane
Concen: 0.882 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

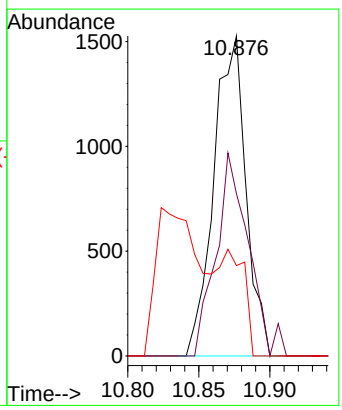


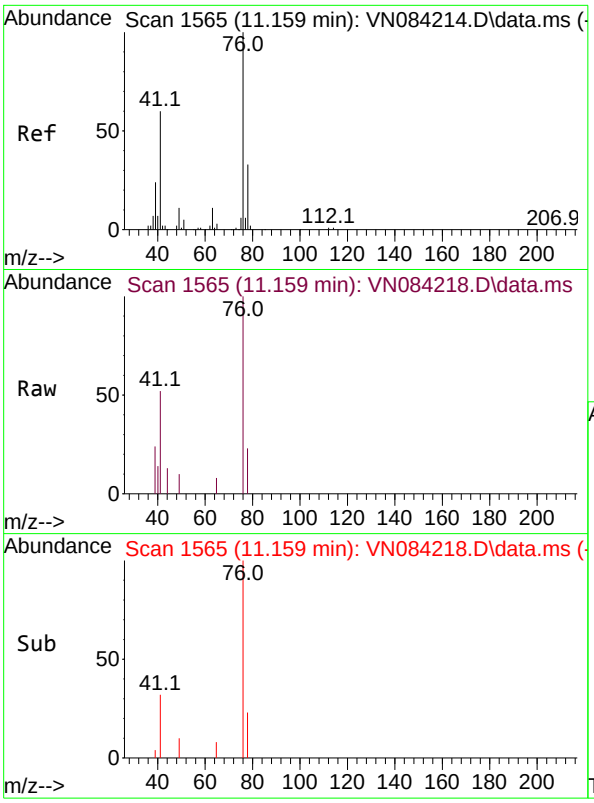


#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



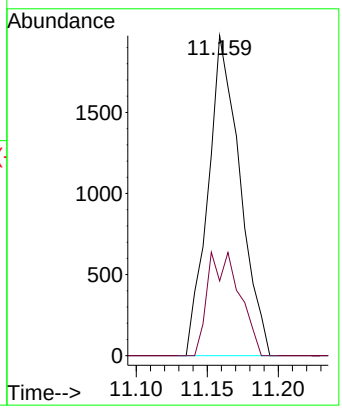


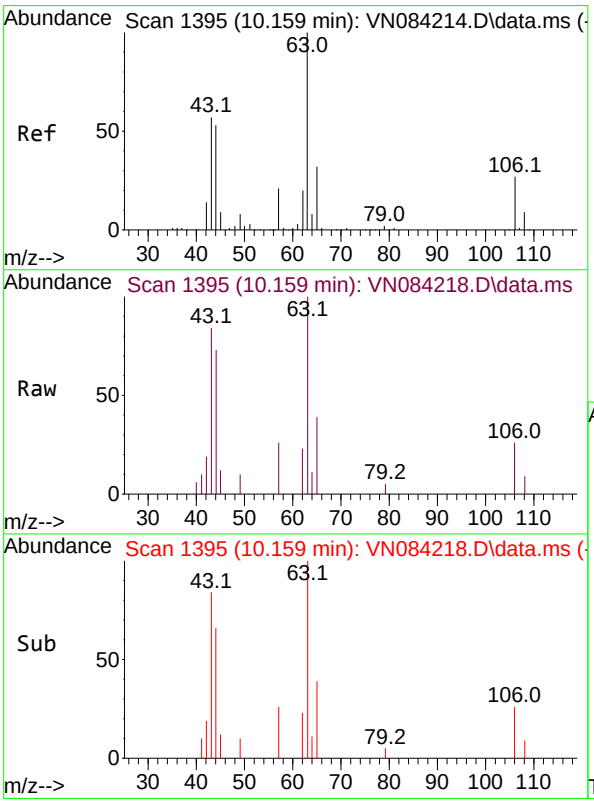
#57
1,3-Dichloropropane
Concen: 0.914 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3092

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

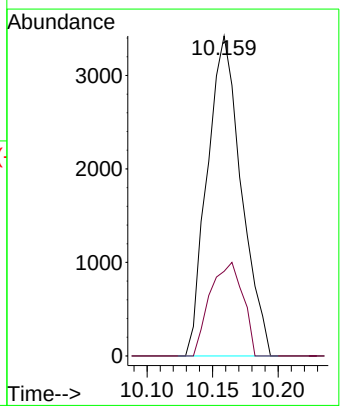


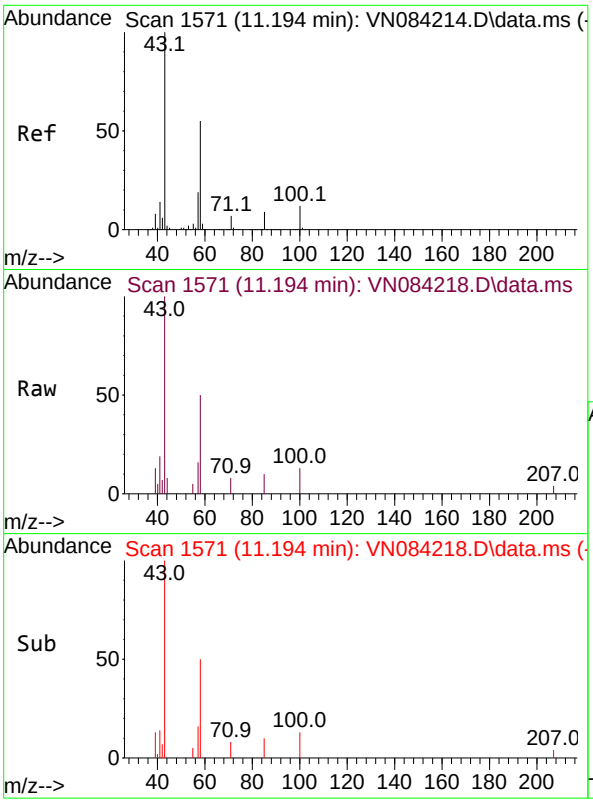


#58
2-Chloroethyl Vinyl ether
Concen: 4.278 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 63 Resp: 6179

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



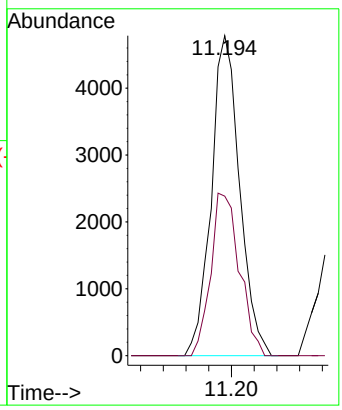


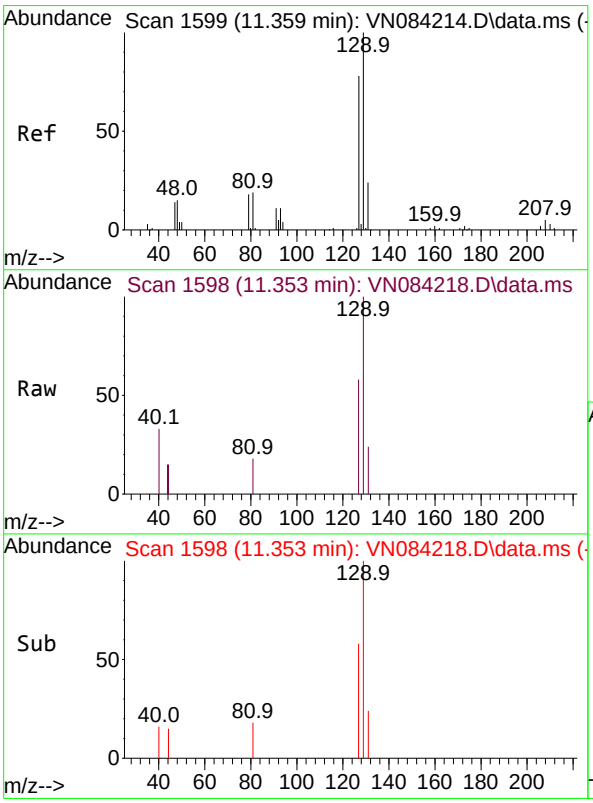
#59
2-Hexanone
Concen: 4.084 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8282

Ion	Ratio	Lower	Upper
43	100		
58	51.4	27.3	81.8

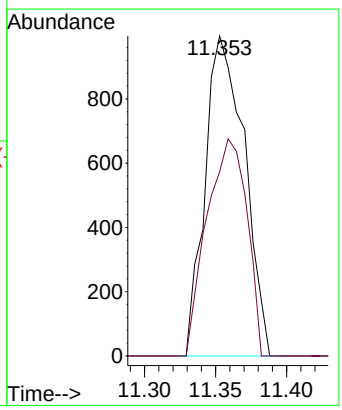


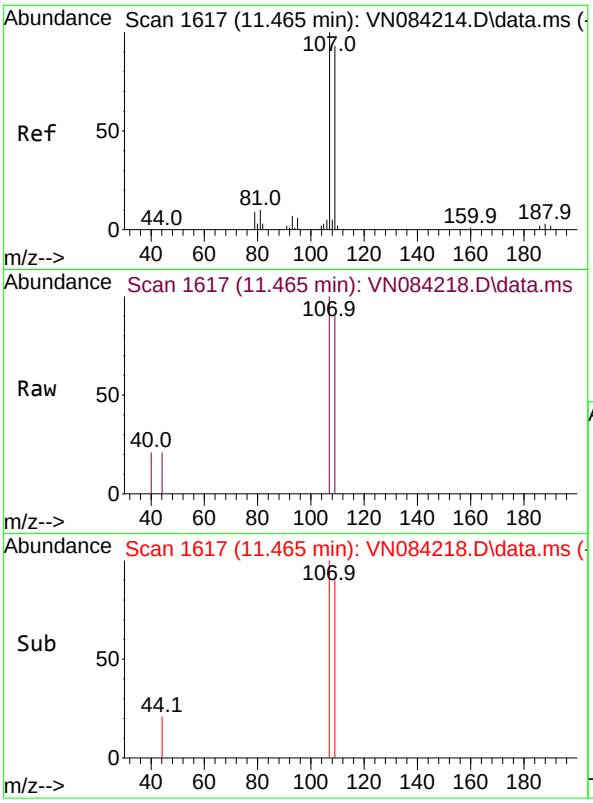


#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:129 Resp: 1916

Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.3	114.9



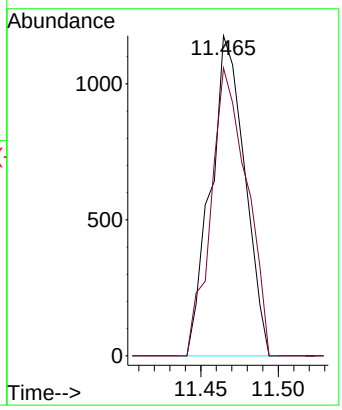


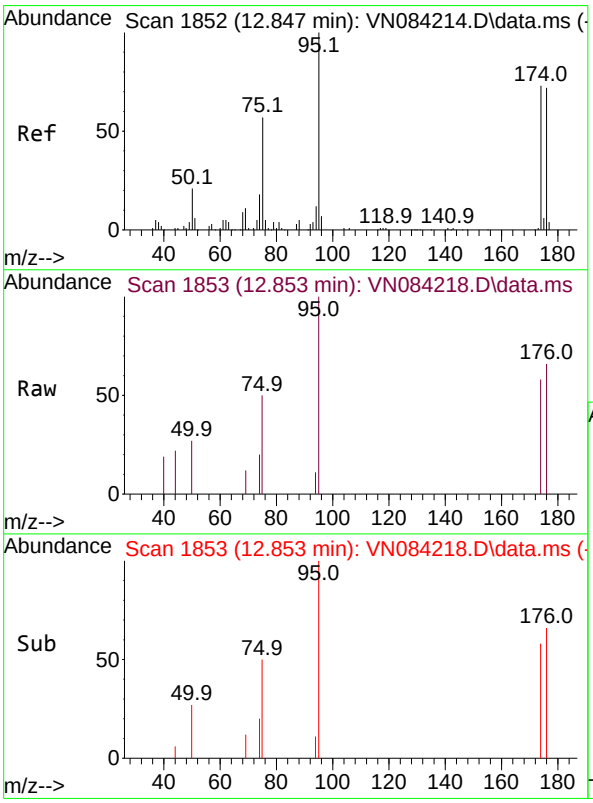
#61
1,2-Dibromoethane
Concen: 0.913 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1795

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

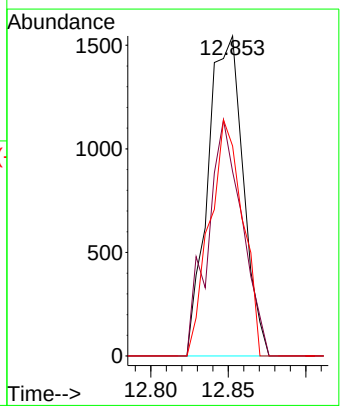


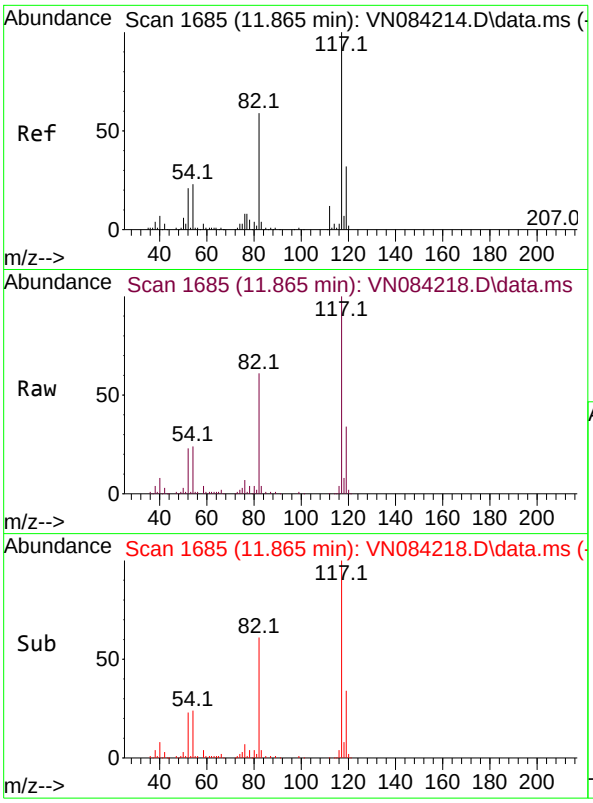


#62
4-Bromofluorobenzene
Concen: 0.956 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



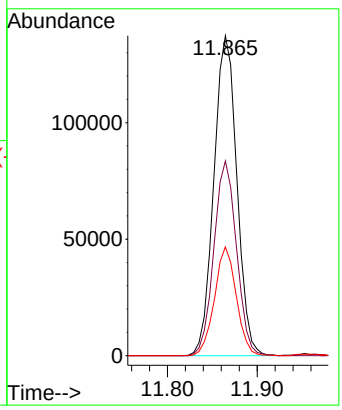


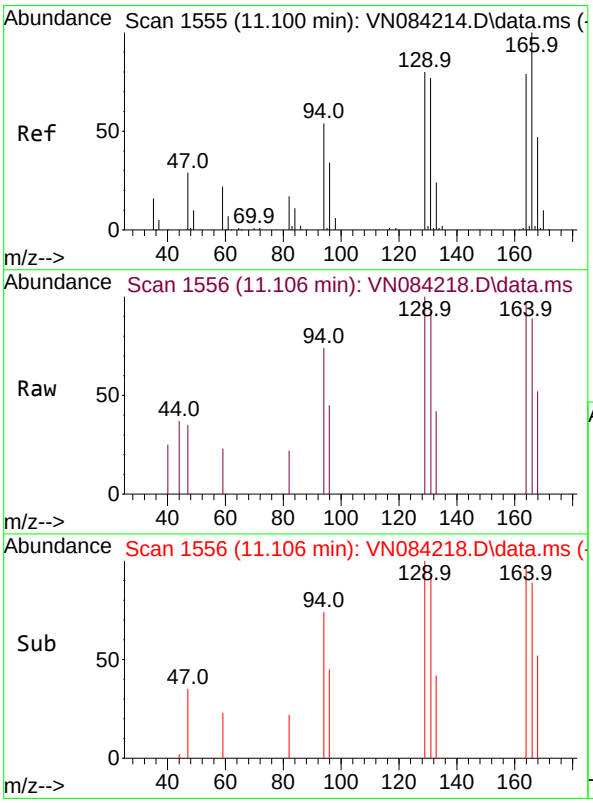
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

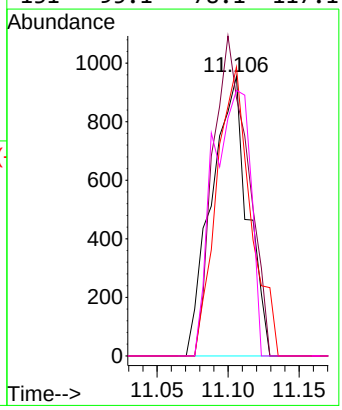


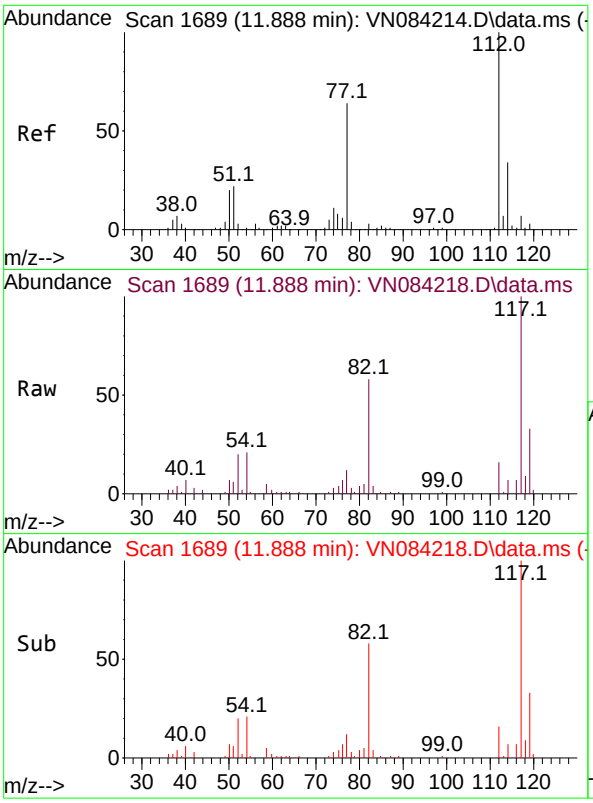


#64
Tetrachloroethene
Concen: 0.993 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



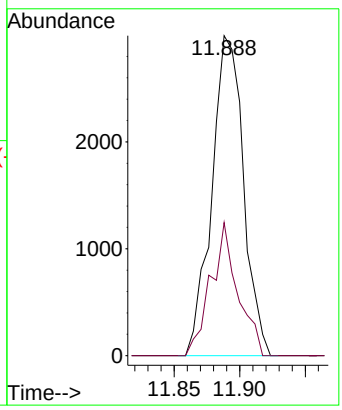


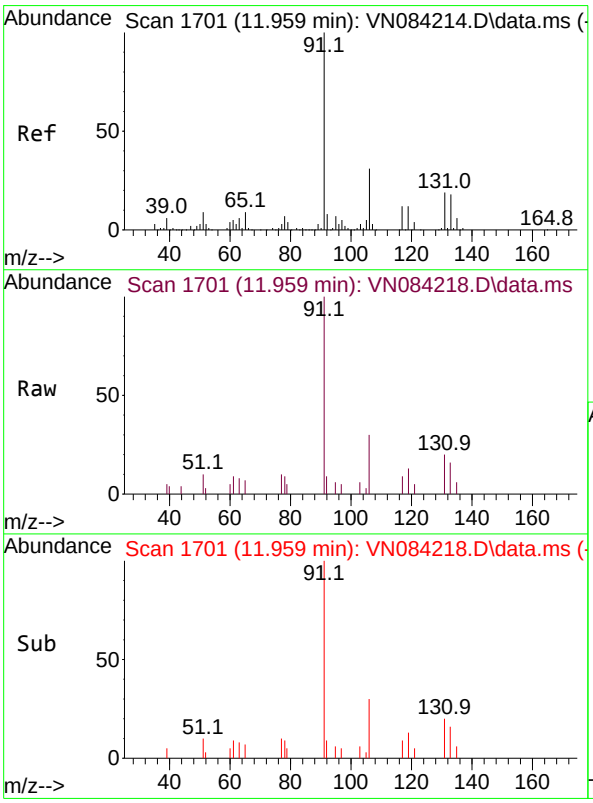
#65
Chlorobenzene
Concen: 0.927 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5025

Ion	Ratio	Lower	Upper
112	100		
114	41.6	27.0	40.6#

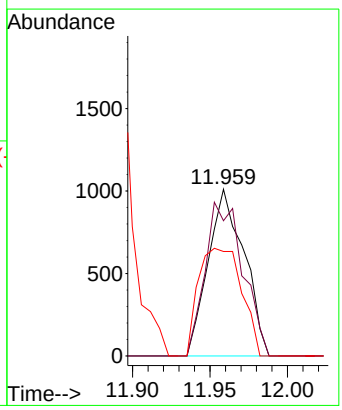


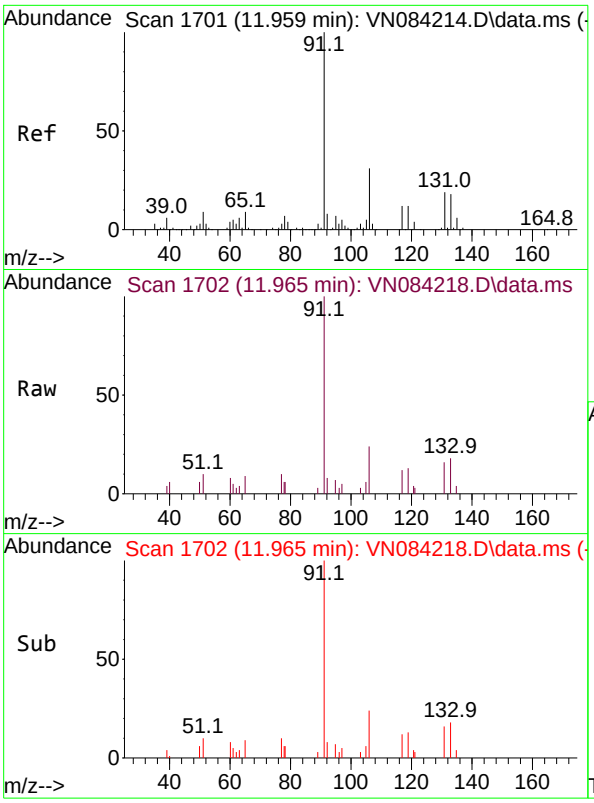


#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



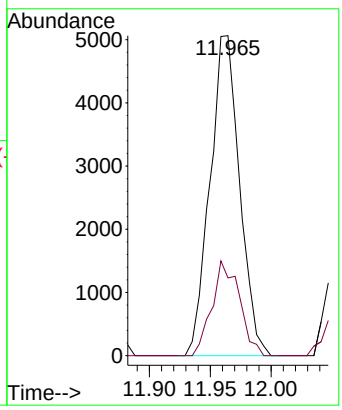


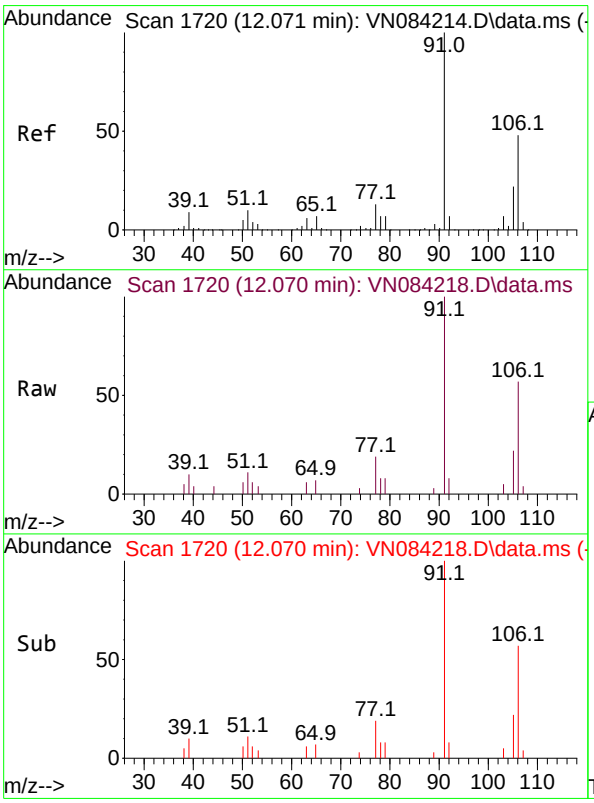
#67
Ethyl Benzene
Concen: 0.896 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8582

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.5	36.7#

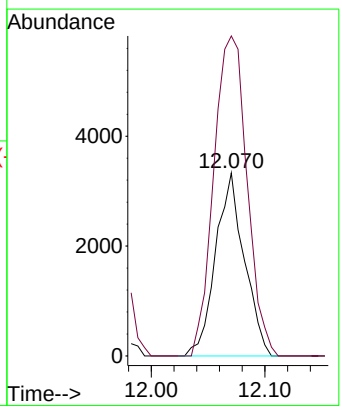


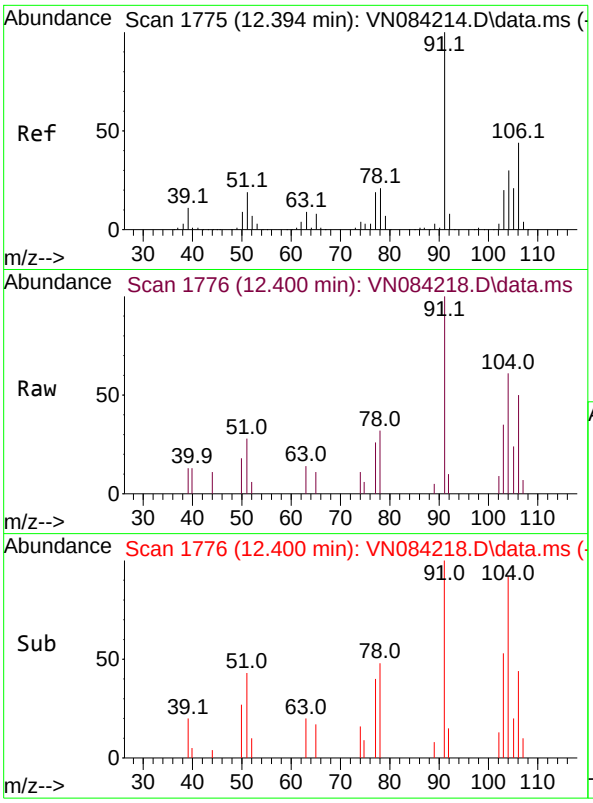


#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:106 Resp: 5869

Ion	Ratio	Lower	Upper
106	100		
91	201.7	167.1	250.7



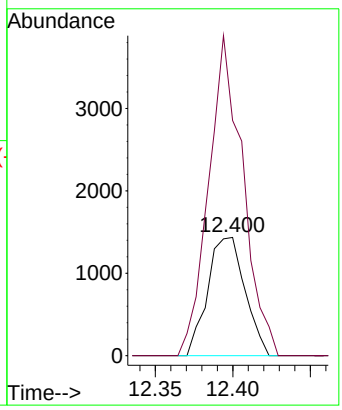


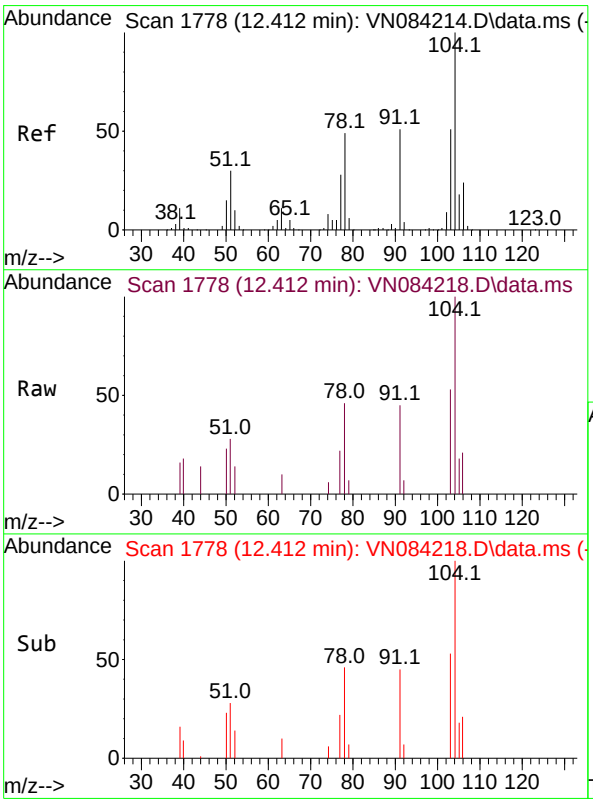
#69
o-Xylene
Concen: 0.715 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2398

Ion	Ratio	Lower	Upper
106	100		
91	248.5	110.2	330.6

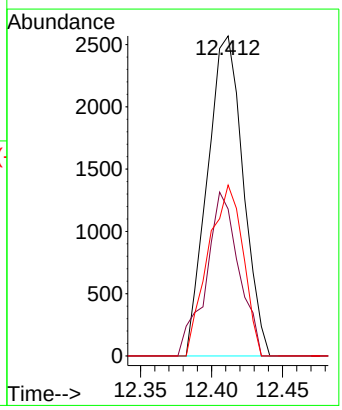


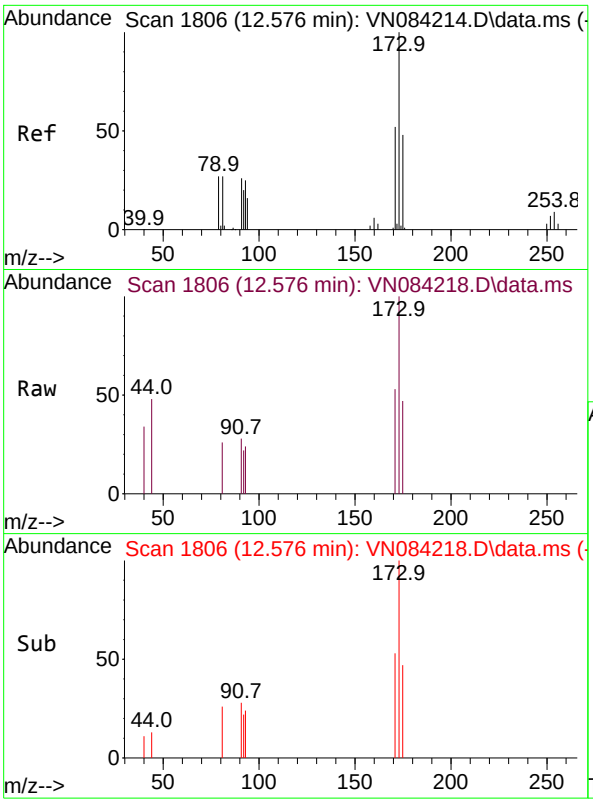


#70
Styrene
Concen: 0.790 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



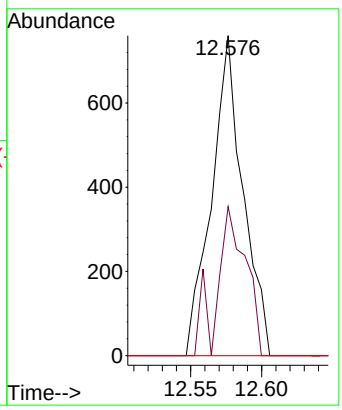


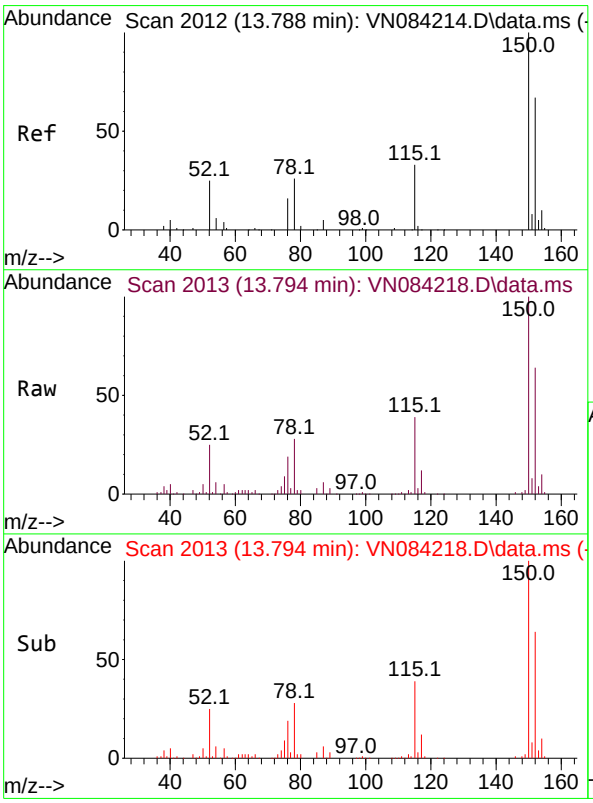
#71
Bromoform
Concen: 0.850 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

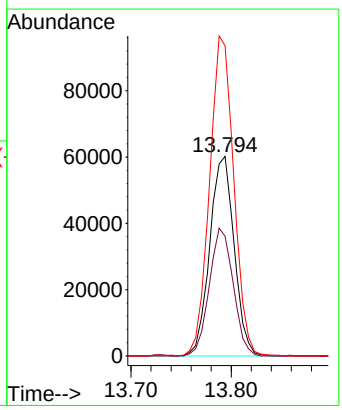


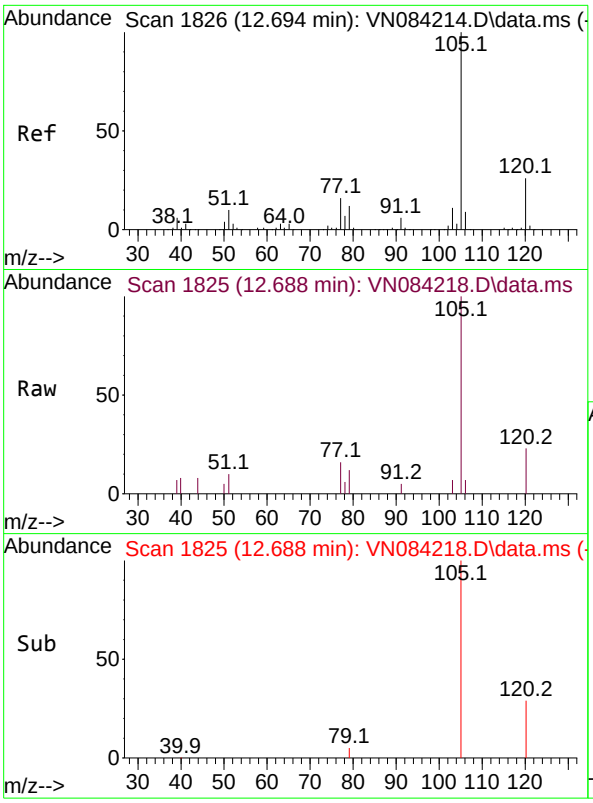


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



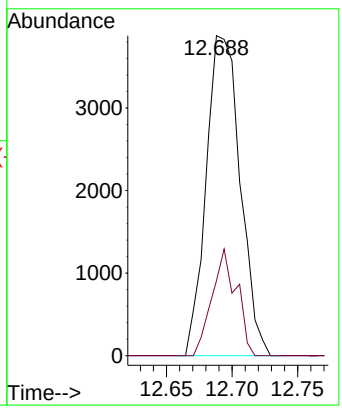


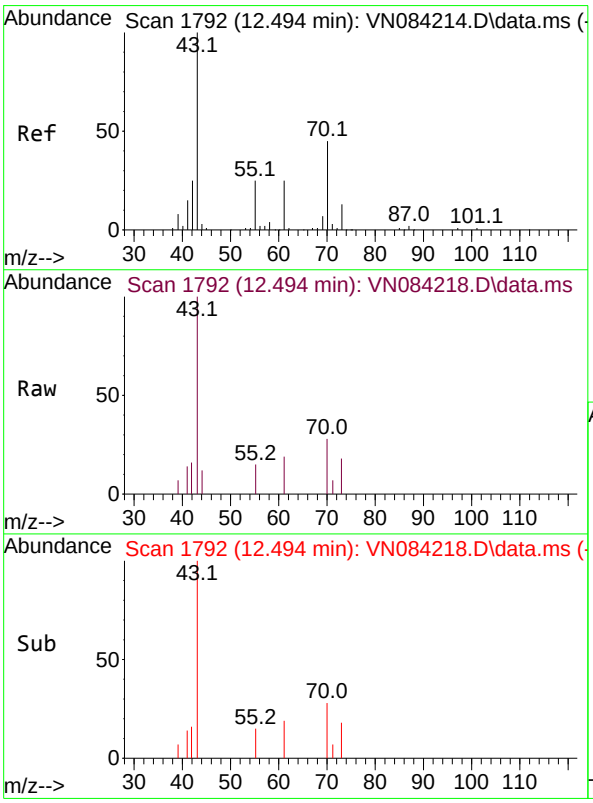
#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 12.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6991

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.7

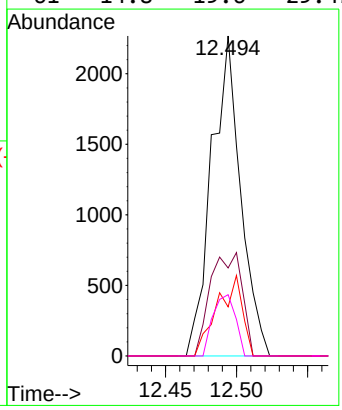


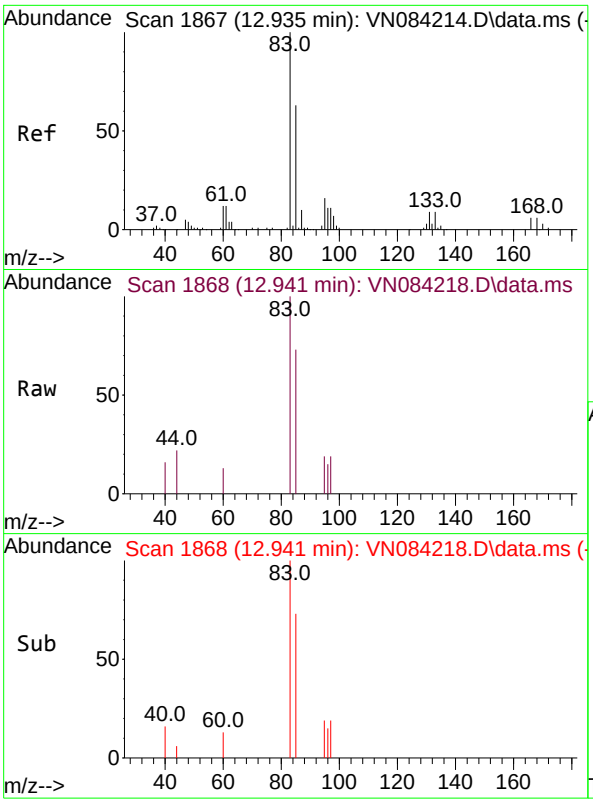


#74
N-amyl acetate
Concen: 0.916 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#



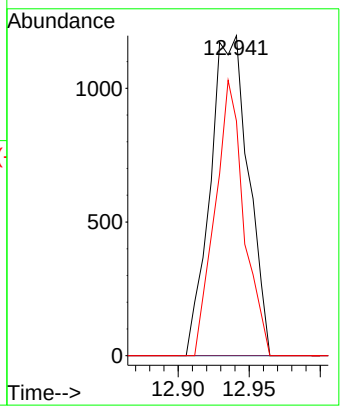


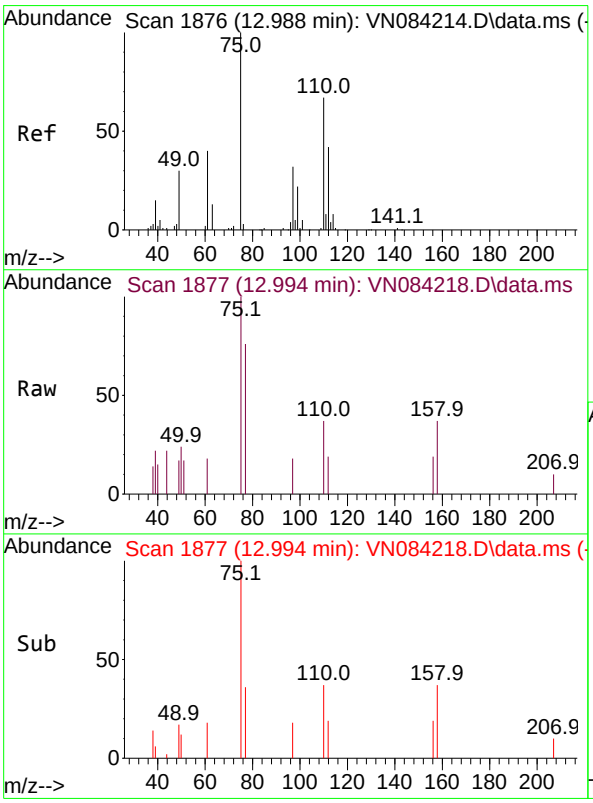
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

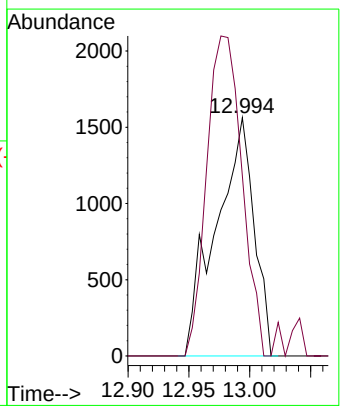


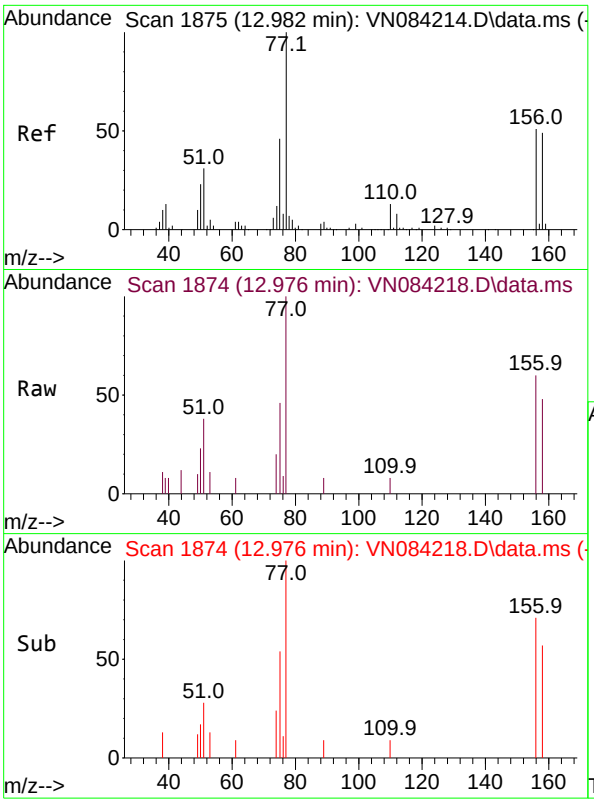


#76
1,2,3-Trichloropropane
Concen: 1.671 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 75 Resp: 3395

Ion	Ratio	Lower	Upper
75	100		
77	124.4	96.9	290.7



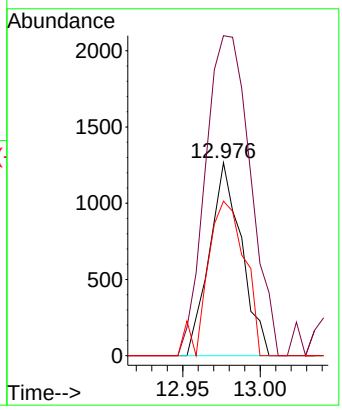


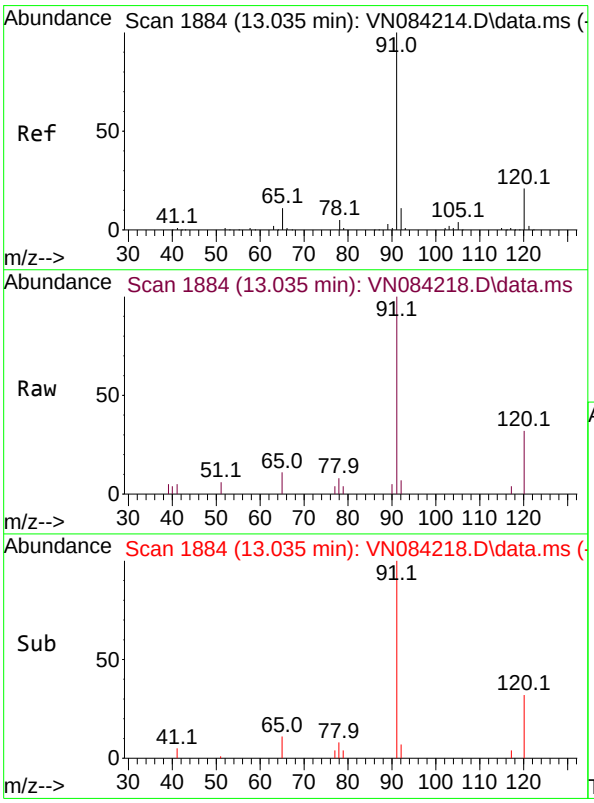
#77
Bromobenzene
Concen: 0.969 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

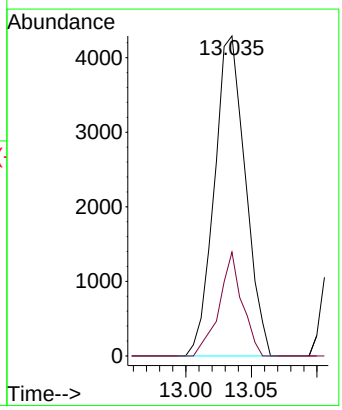


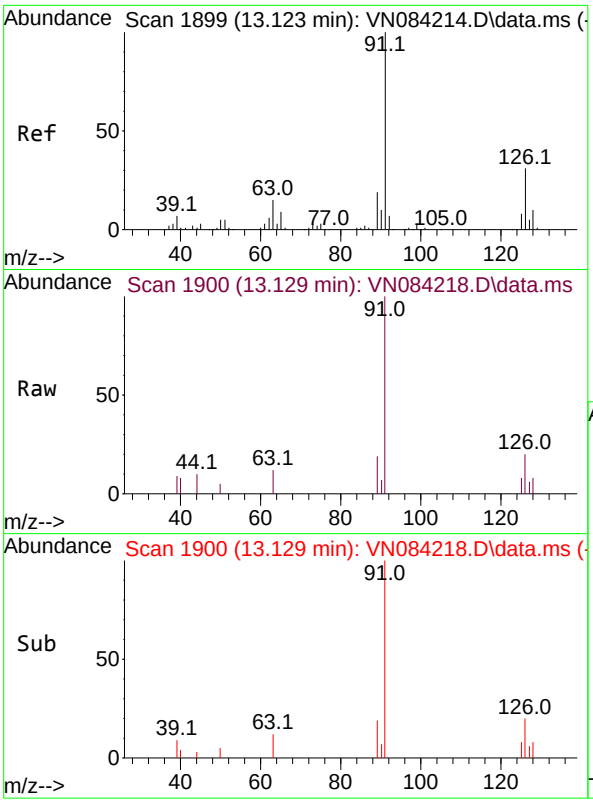


#78
n-propylbenzene
Concen: 0.781 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 7045

Ion	Ratio	Lower	Upper
91	100		
120	24.2	10.8	32.4



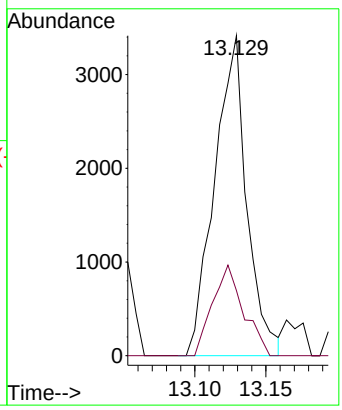


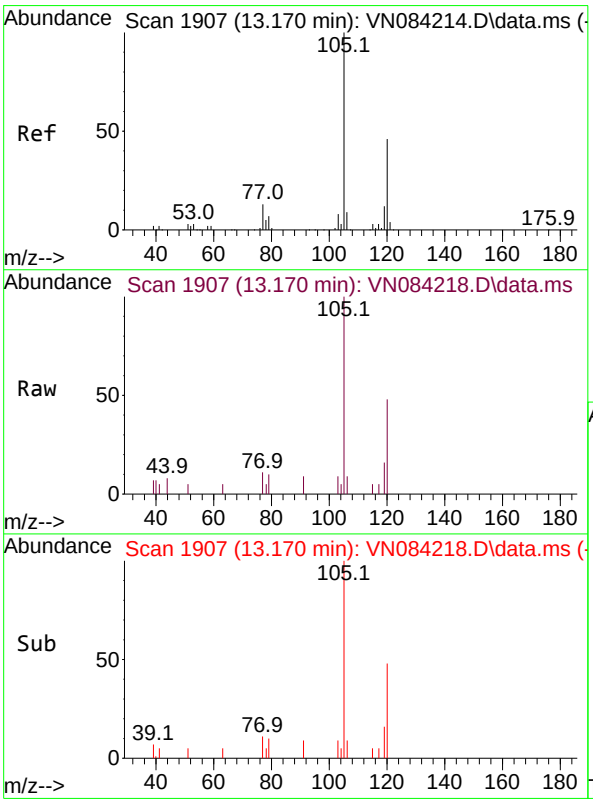
#79
2-Chlorotoluene
Concen: 0.936 ug/l
RT: 13.129 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5383

Ion	Ratio	Lower	Upper
91	100		
126	27.2	15.7	47.1

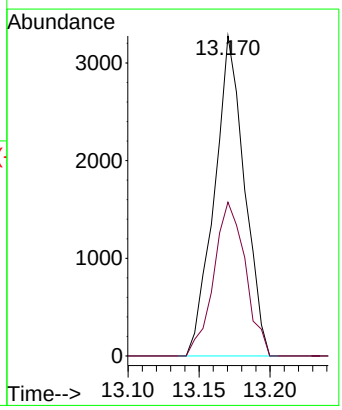


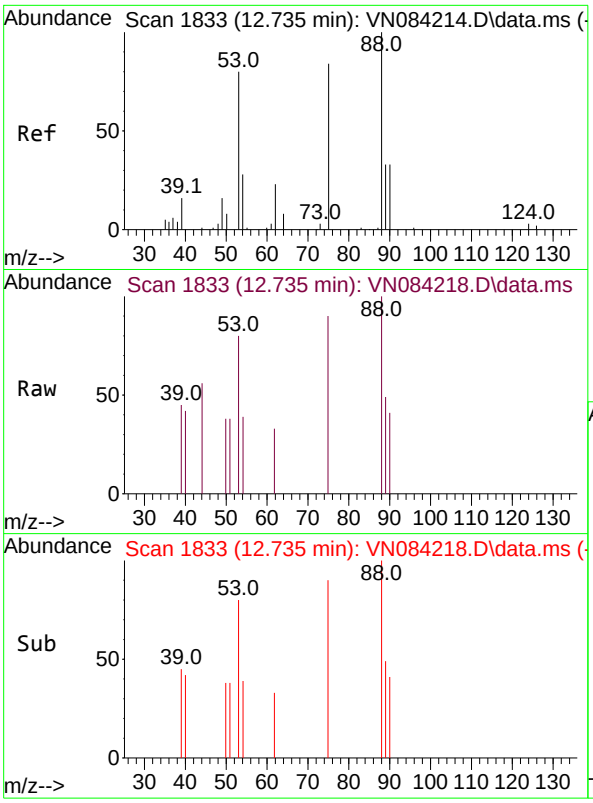


#80
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4830

Ion	Ratio	Lower	Upper
105	100		
120	50.6	23.7	71.1



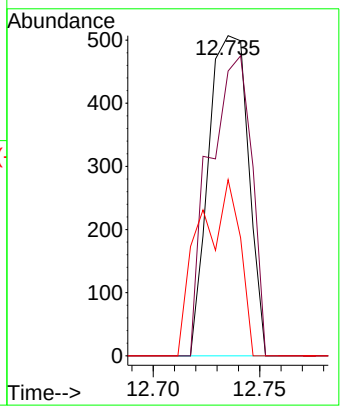


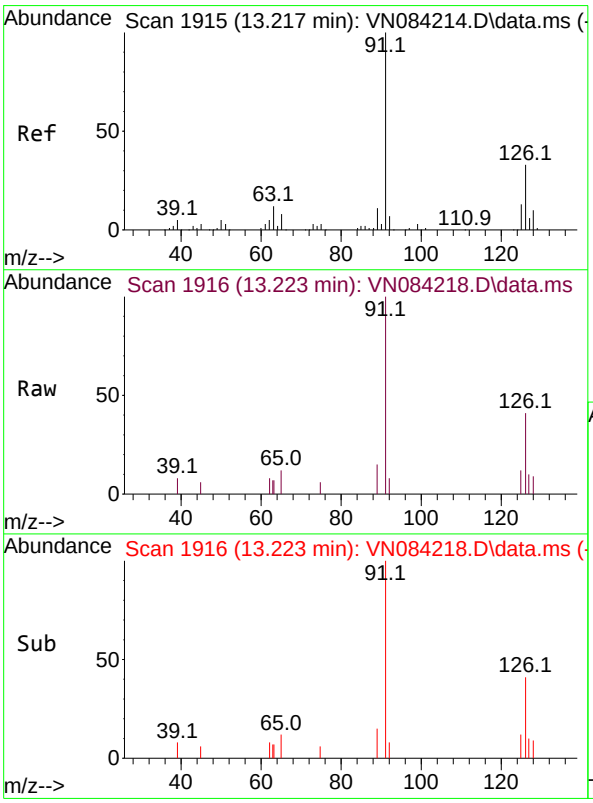
#81
trans-1,4-Dichloro-2-butene
Concen: 0.760 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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#

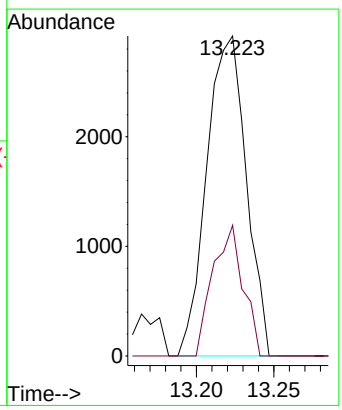


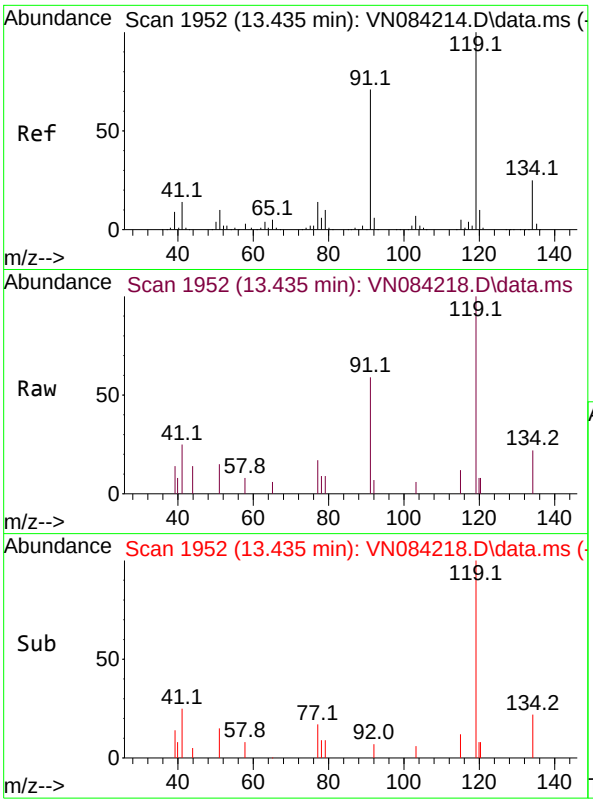


#82
4-Chlorotoluene
Concen: 0.893 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion: 91 Resp: 5174

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



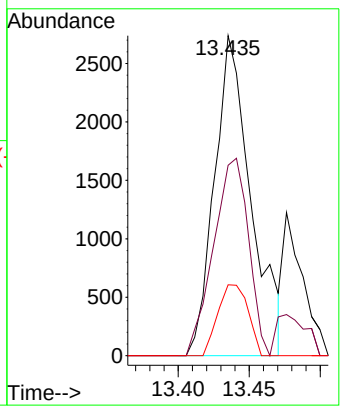


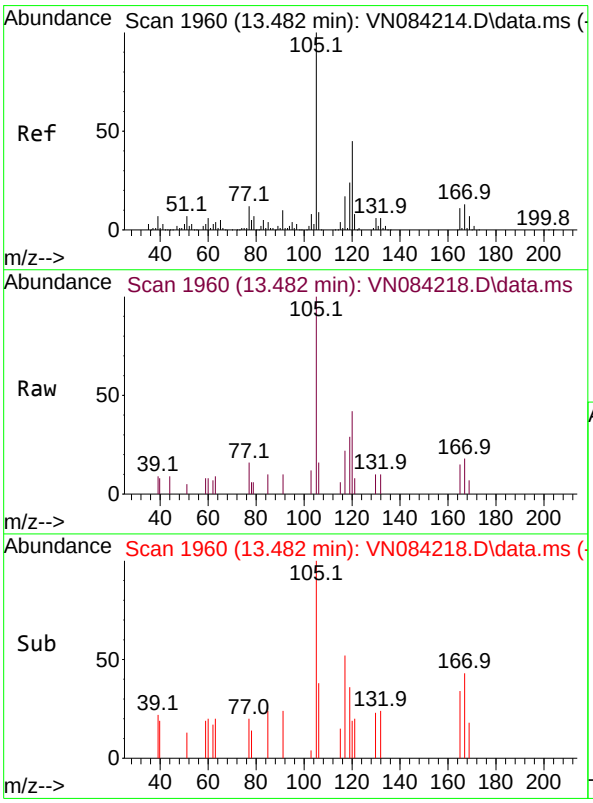
#83
tert-Butylbenzene
Concen: 0.870 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

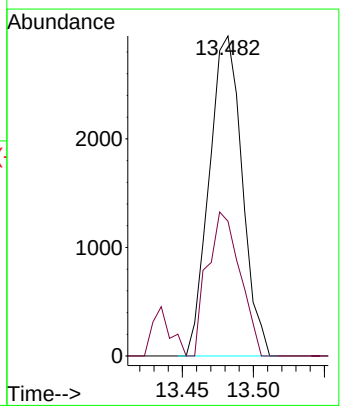


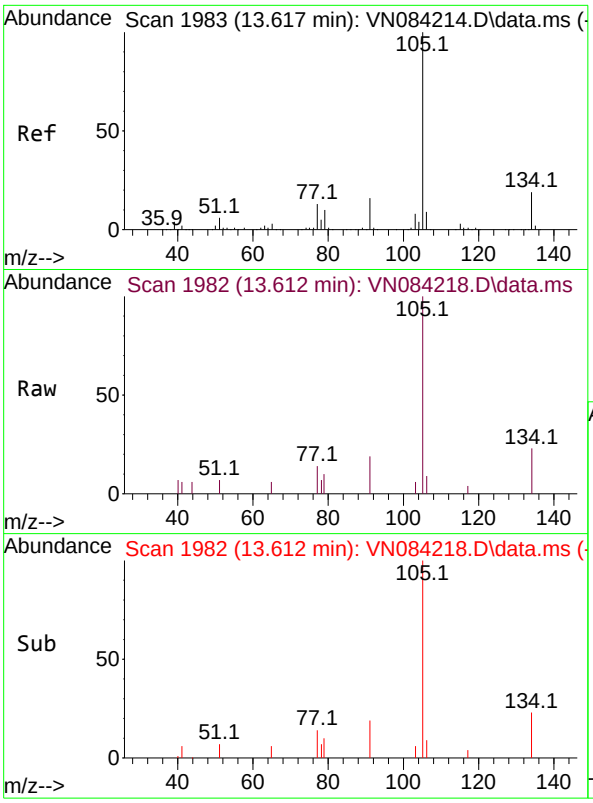


#84
1,2,4-Trimethylbenzene
Concen: 0.744 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:105 Resp: 4760

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8



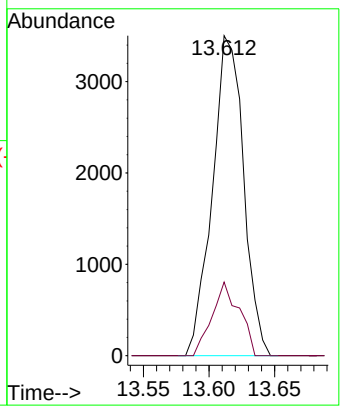


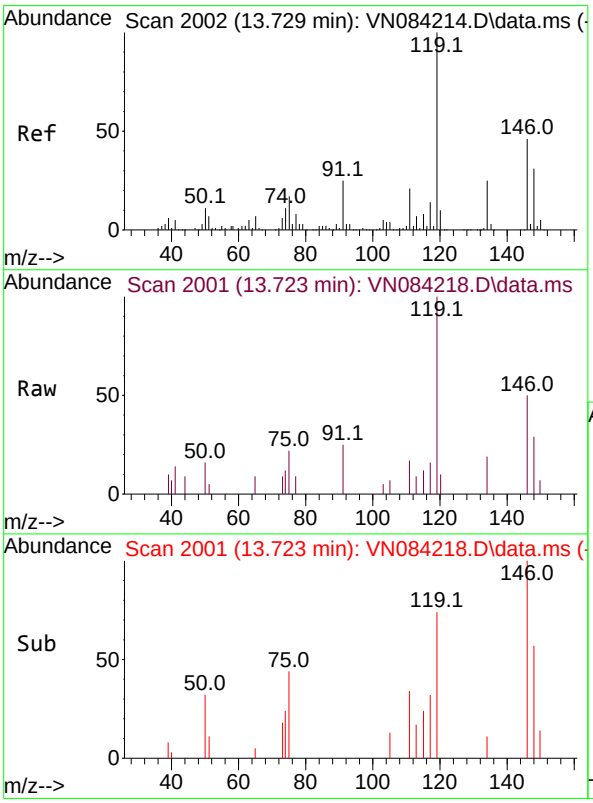
#85
sec-Butylbenzene
Concen: 0.770 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 5795

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4

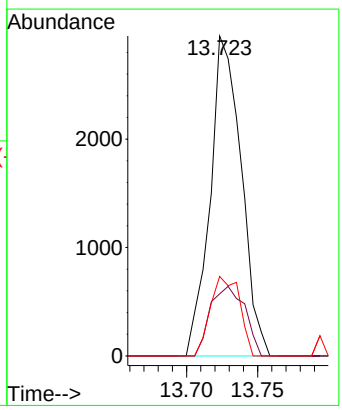


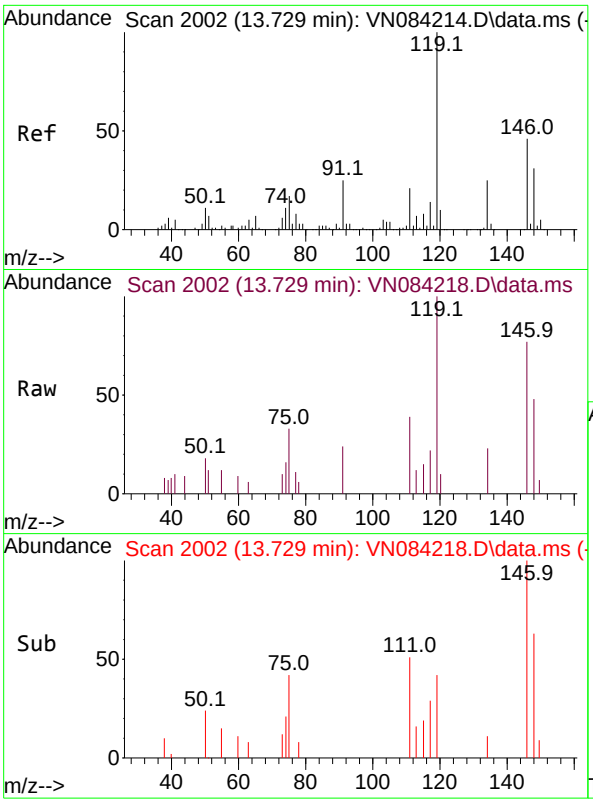


#86
p-Isopropyltoluene
Concen: 0.722 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



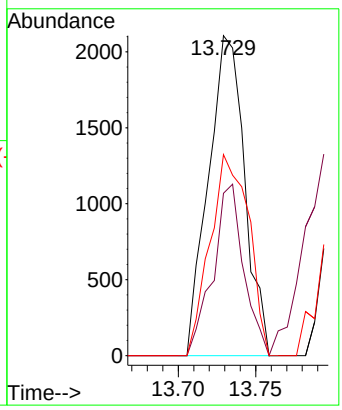


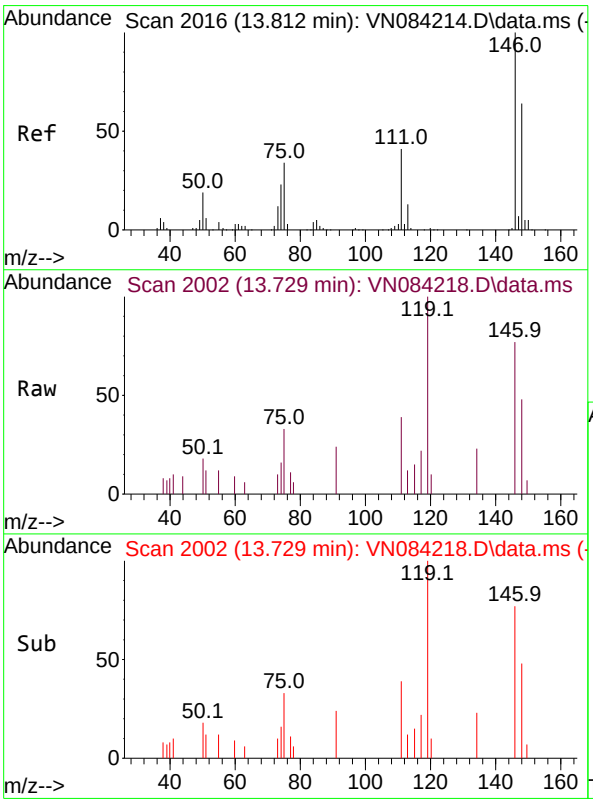
#87
1,3-Dichlorobenzene
Concen: 0.972 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

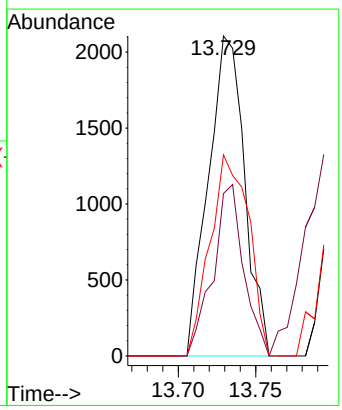


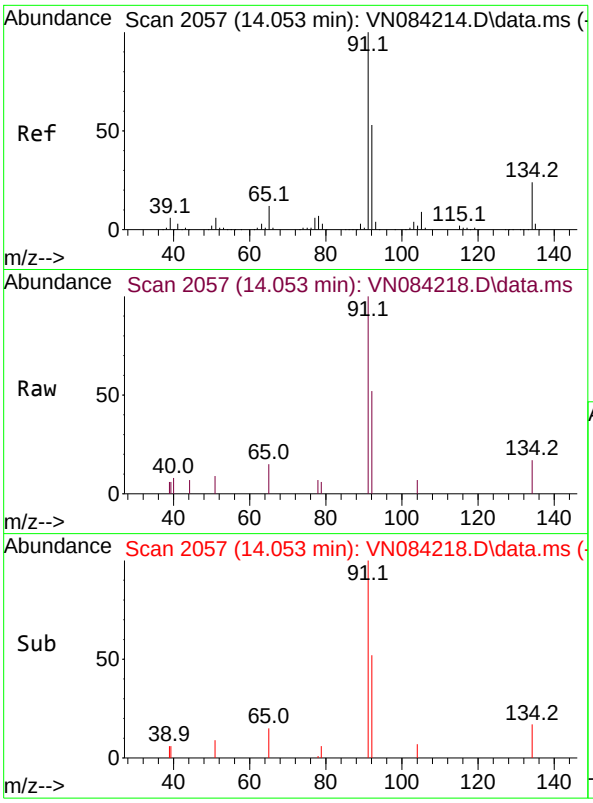


#88
1,4-Dichlorobenzene
Concen: 0.963 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.082 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



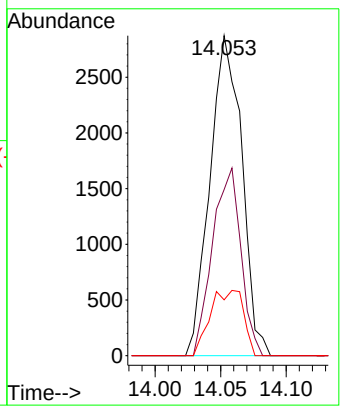


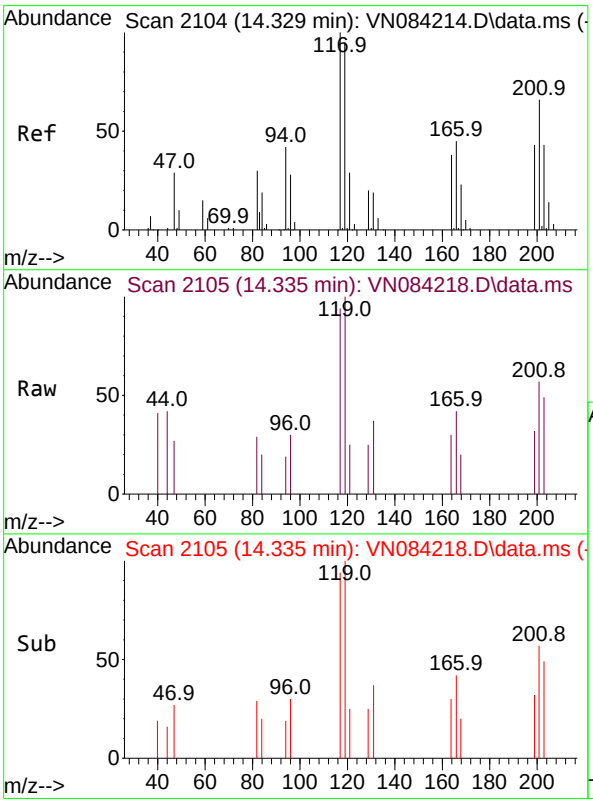
#89
n-Butylbenzene
Concen: 0.862 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

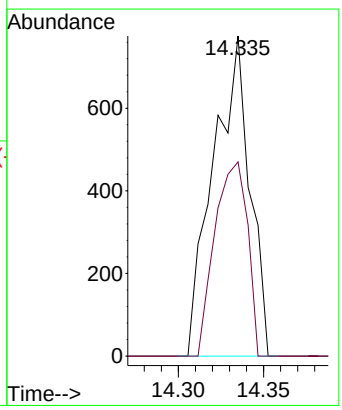


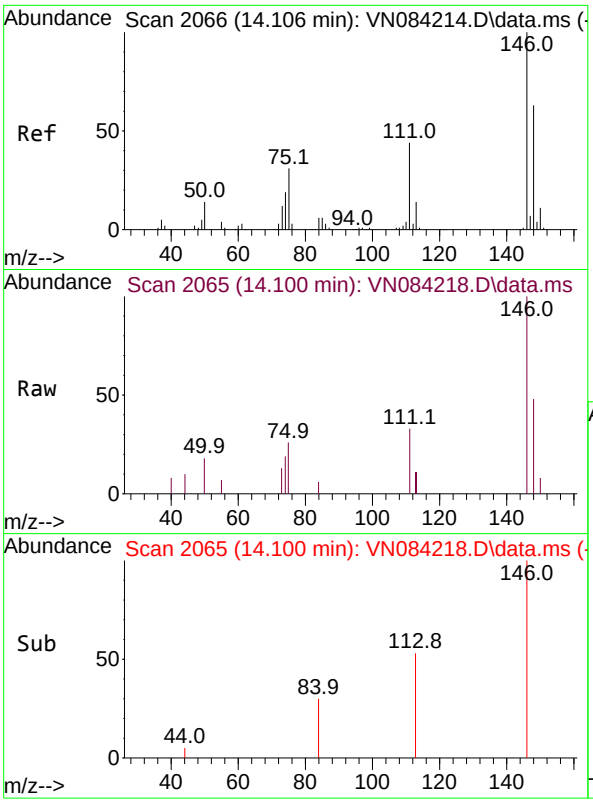


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

Tgt Ion:117 Resp: 1151

Ion	Ratio	Lower	Upper
117	100		
201	54.3	34.4	103.2



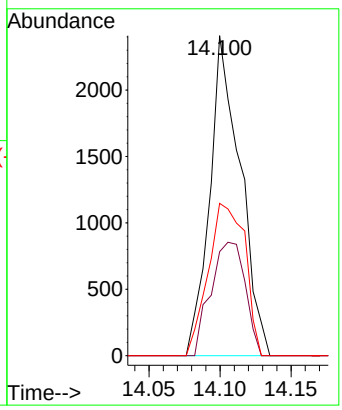


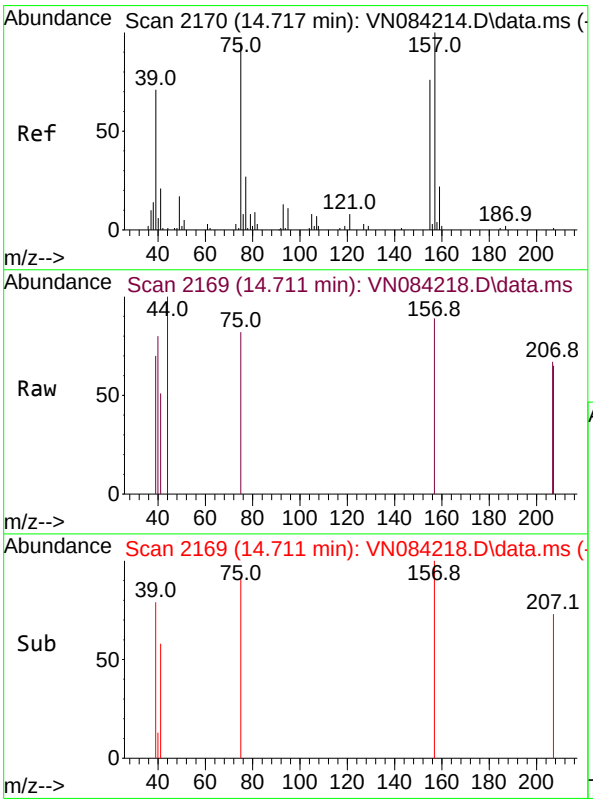
#91
1,2-Dichlorobenzene
Concen: 1.046 ug/l
RT: 14.100 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

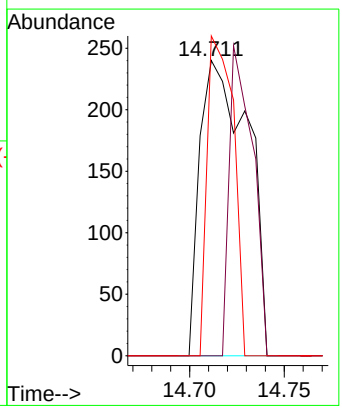


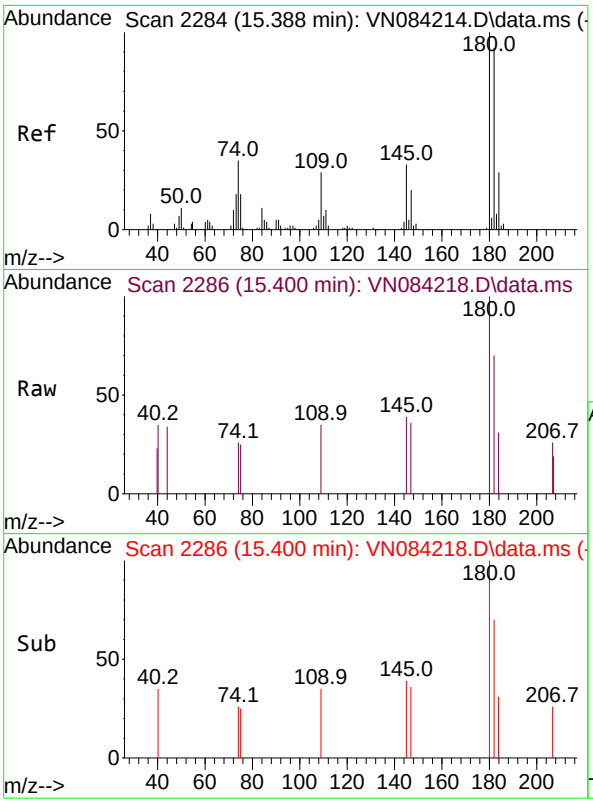


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.876 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



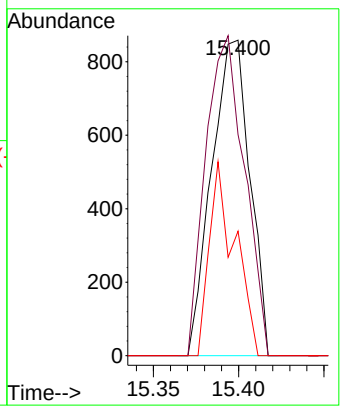


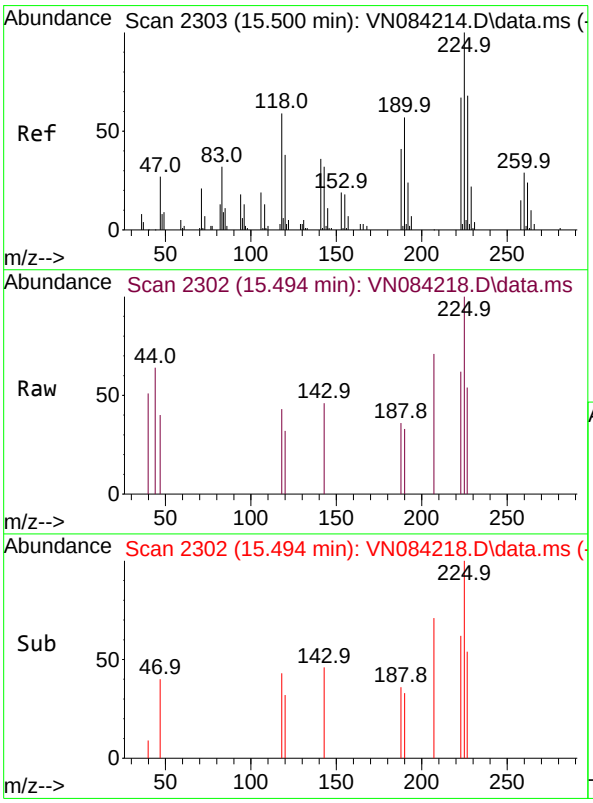
#93
1,2,4-Trichlorobenzene
Concen: 0.788 ug/l
RT: 15.400 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

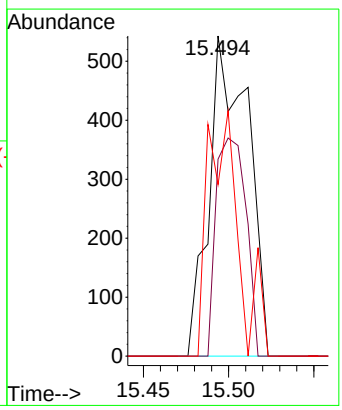


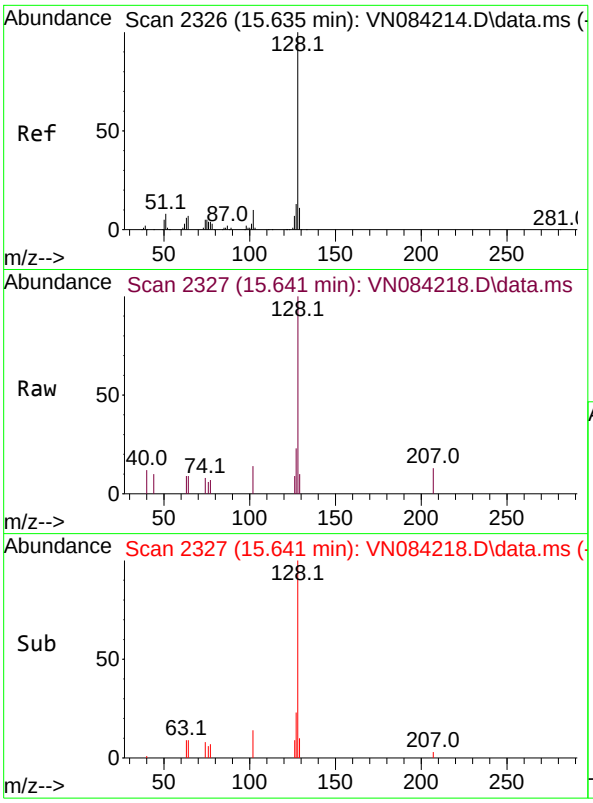


#94
Hexachlorobutadiene
Concen: 1.015 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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



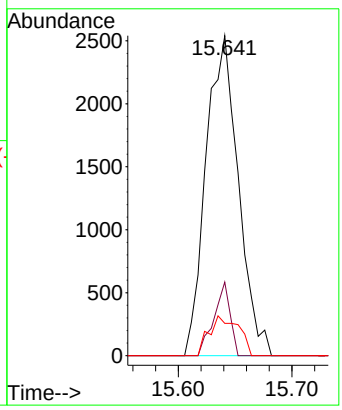


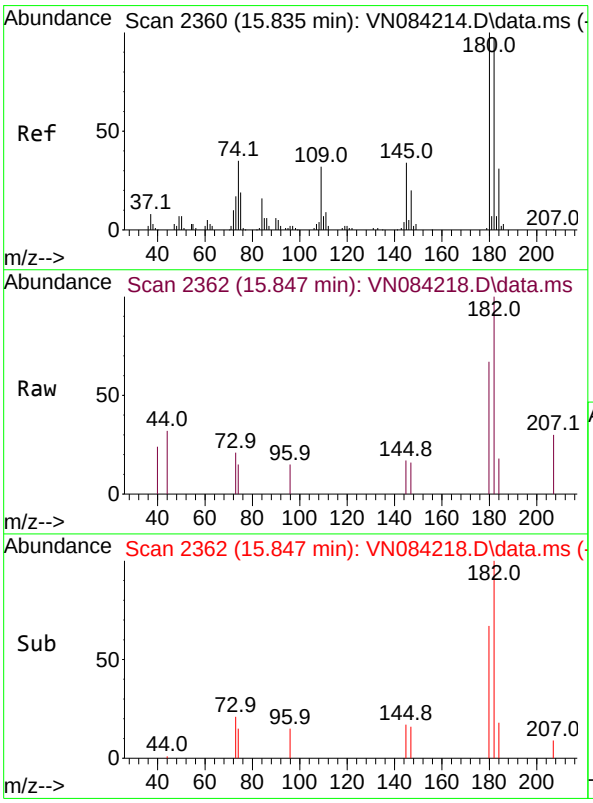
#95
Naphthalene
Concen: 0.892 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

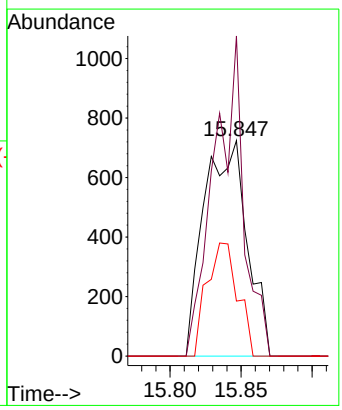




#96
1,2,3-Trichlorobenzene
Concen: 0.899 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN084218.D
Acq: 30 Sep 2024 14:48

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

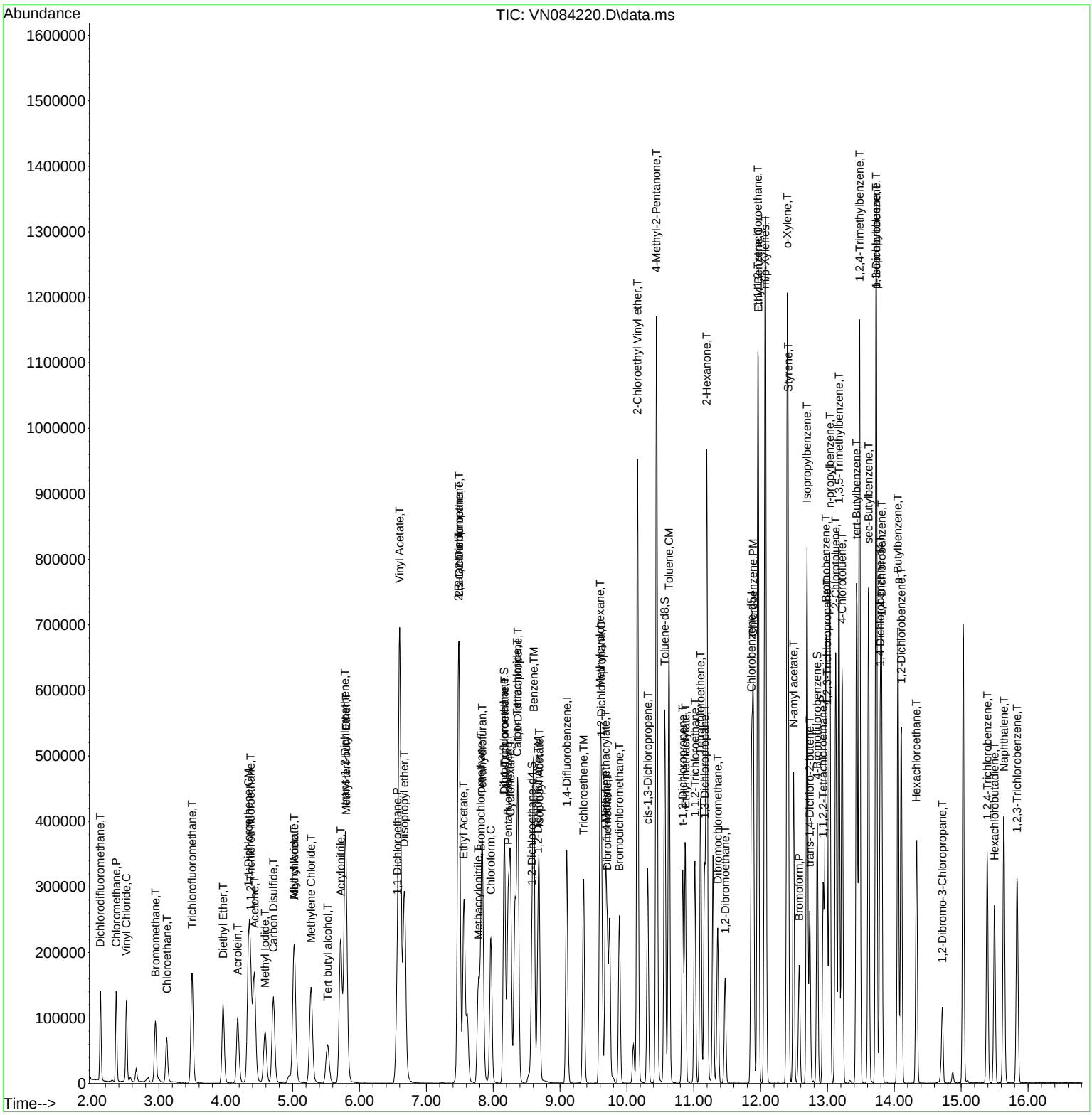
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

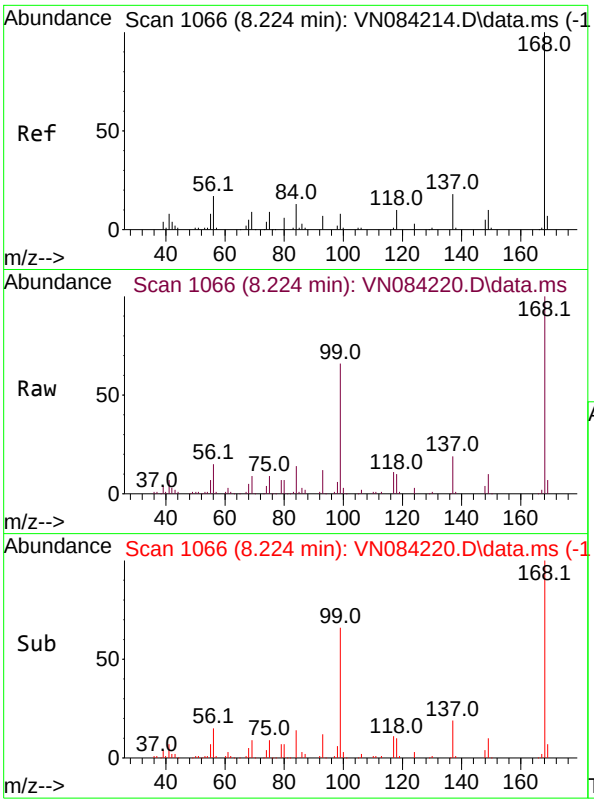
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



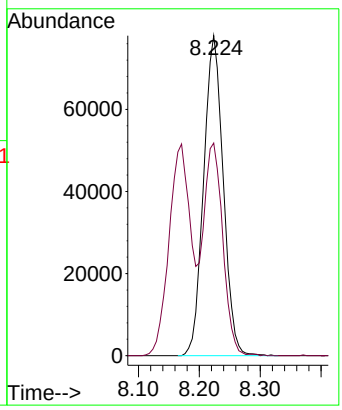


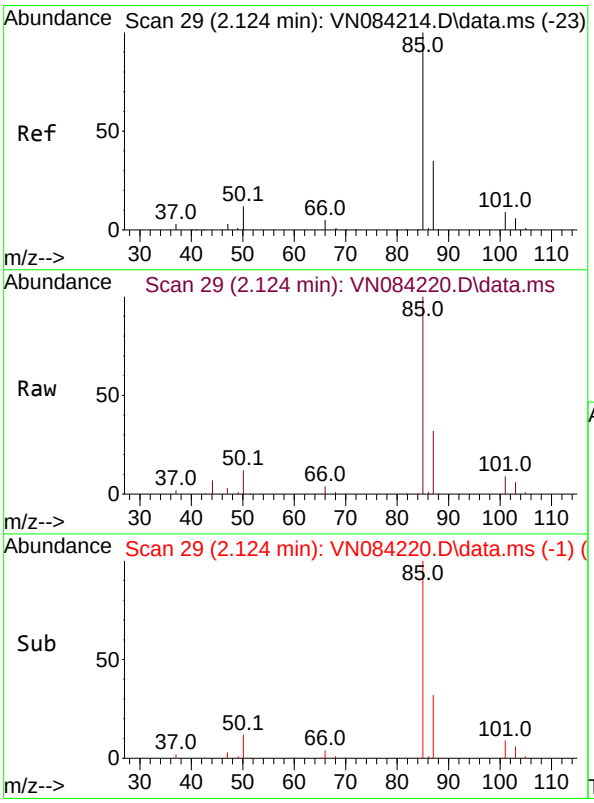
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:168 Resp: 174241

Ion	Ratio	Lower	Upper
168	100		
99	66.5	54.2	81.2

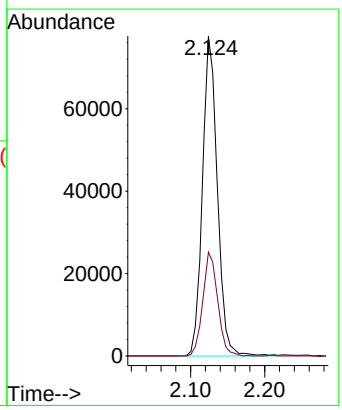


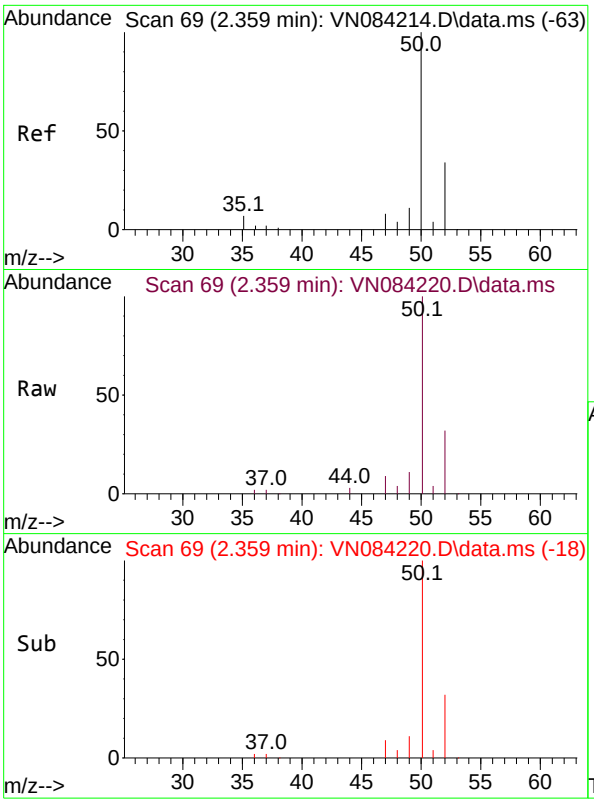


#2
Dichlorodifluoromethane
Concen: 52.712 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 85 Resp: 108641

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9



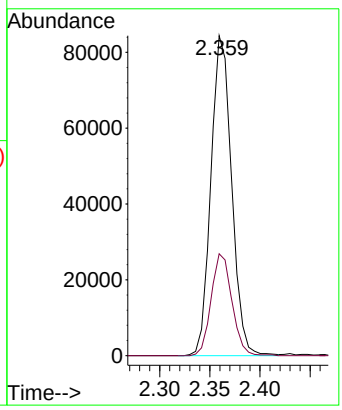


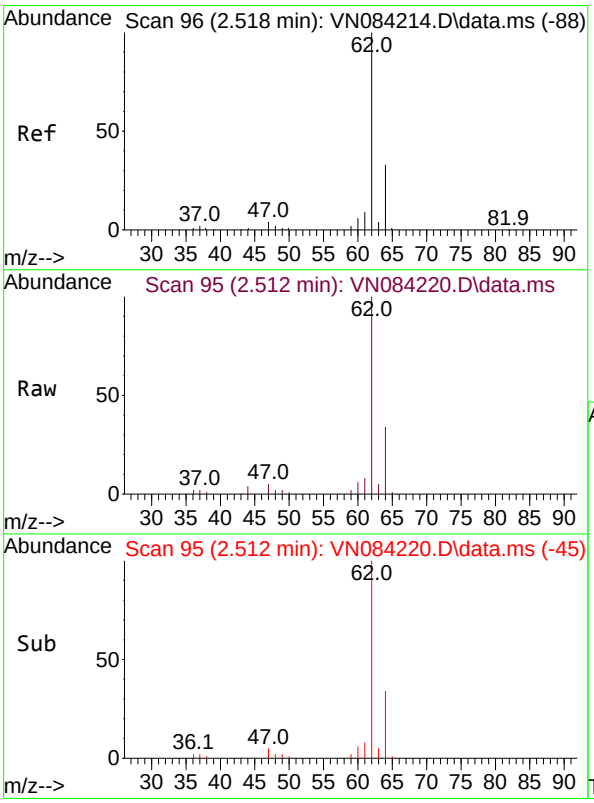
#3
Chloromethane
Concen: 51.477 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 50 Resp: 121140

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.8	40.2

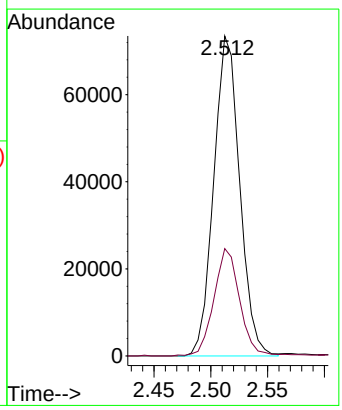


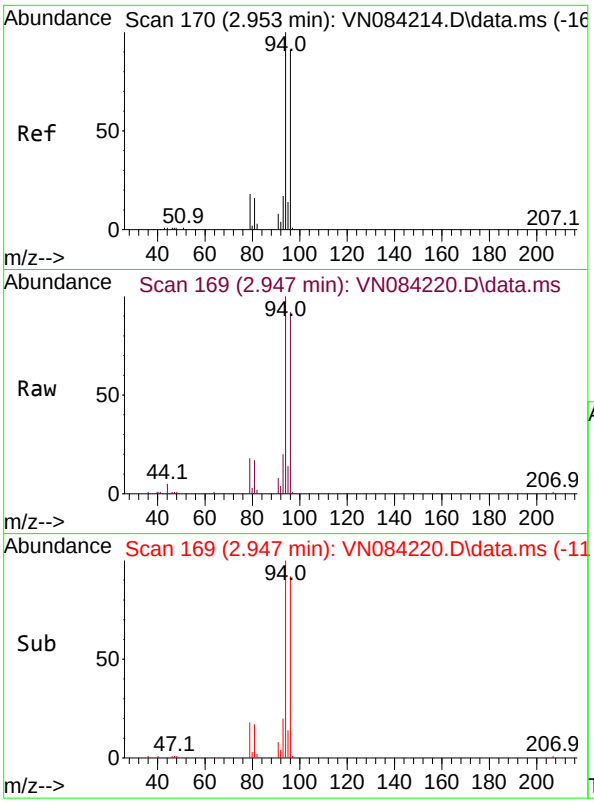


#4
Vinyl Chloride
Concen: 51.235 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 116792

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.4



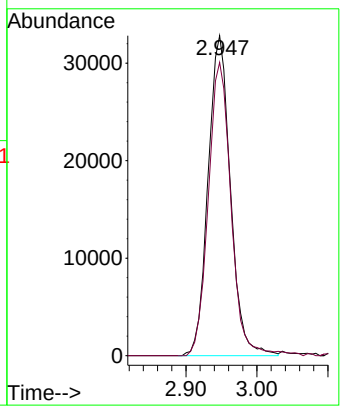


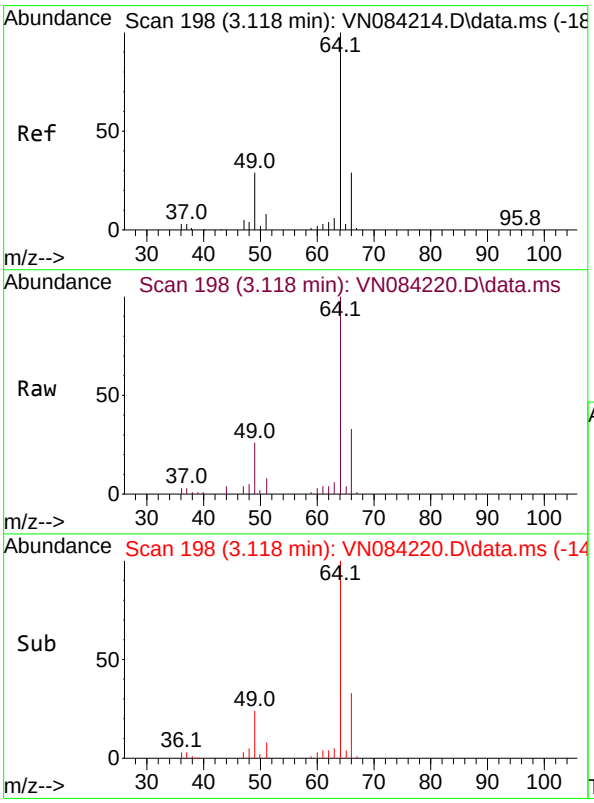
#5
Bromomethane
Concen: 47.656 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 94 Resp: 71654

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.9	109.3

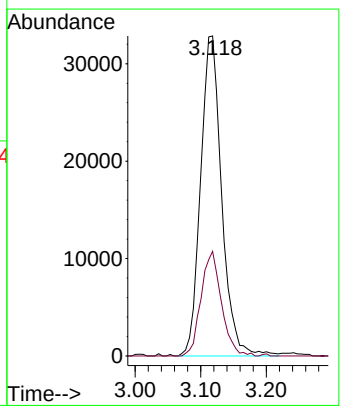


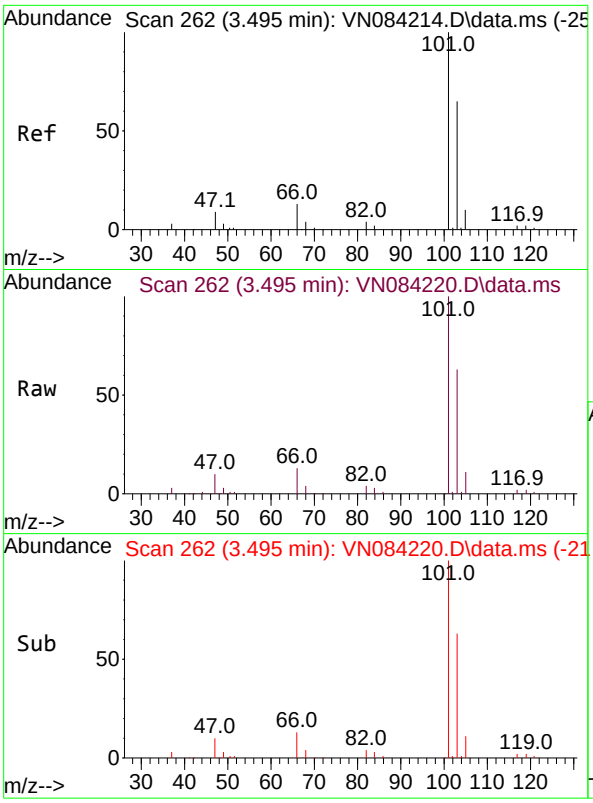


#6
Chloroethane
Concen: 45.119 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 64 Resp: 73658

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.5	35.3



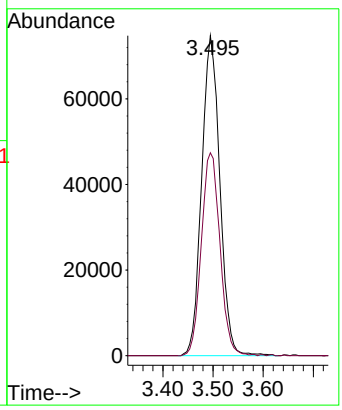


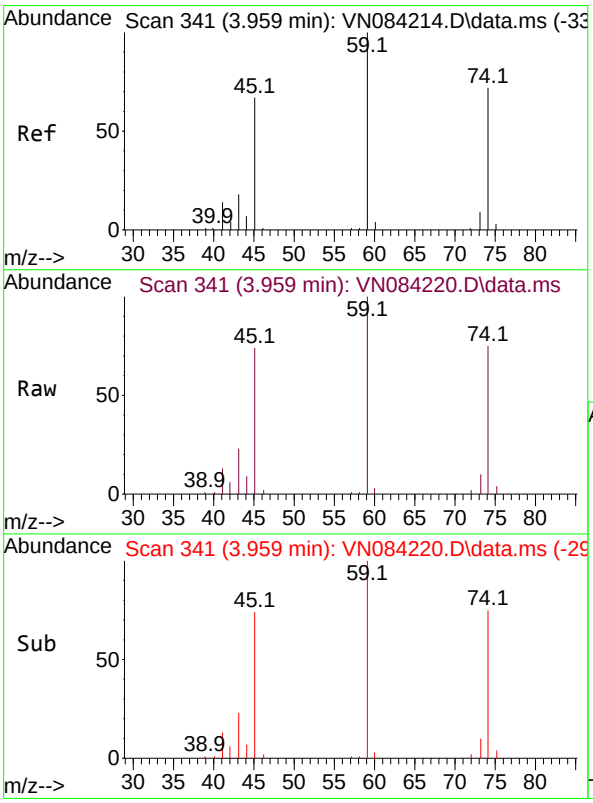
#7
Trichlorofluoromethane
Concen: 53.099 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:101 Resp: 188482

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

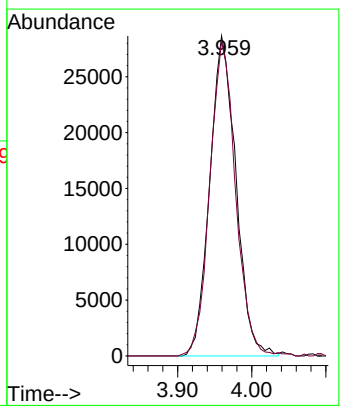


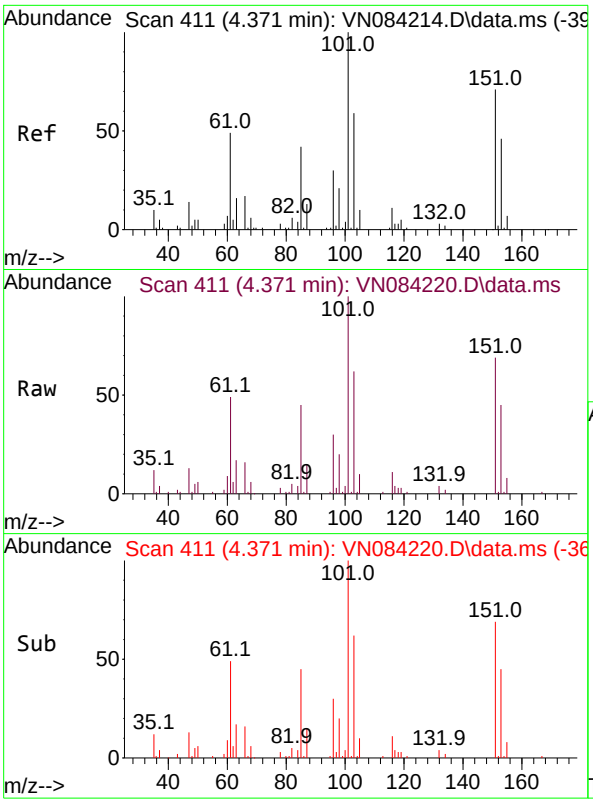


#8
Diethyl Ether
Concen: 53.445 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 74 Resp: 70360

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.7	143.1



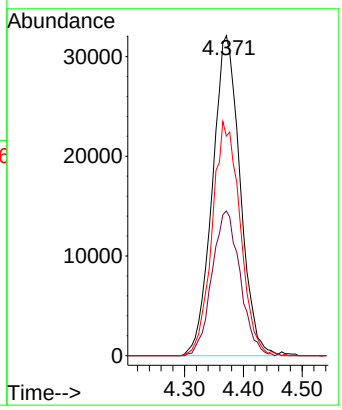


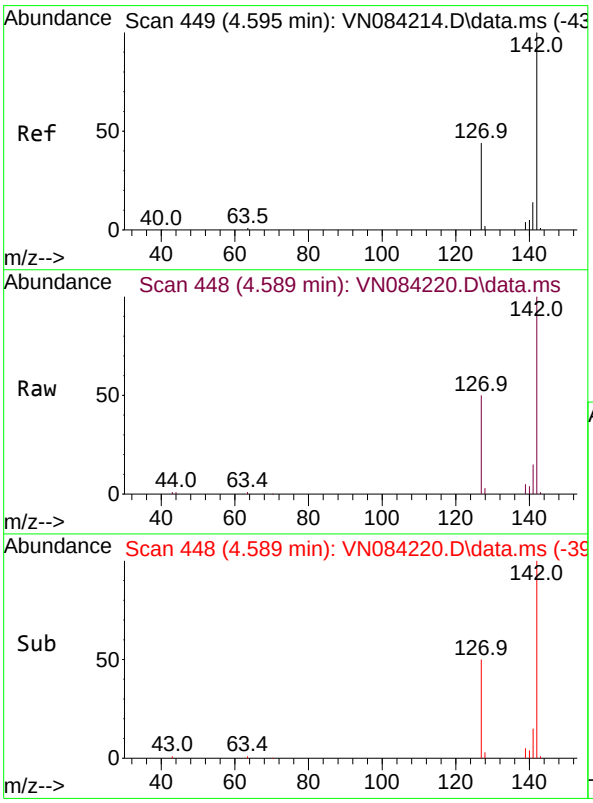
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.573 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

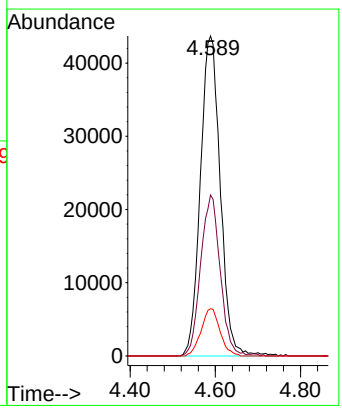


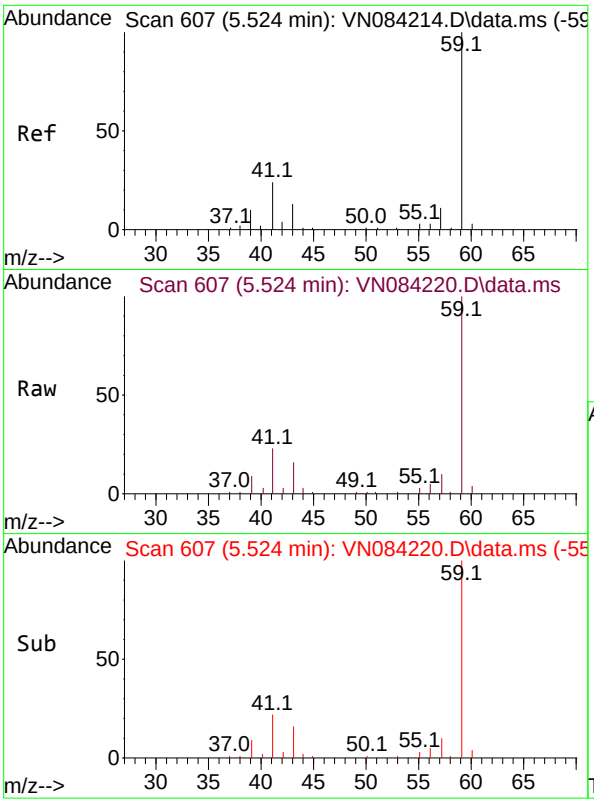


#10
Methyl Iodide
Concen: 53.996 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



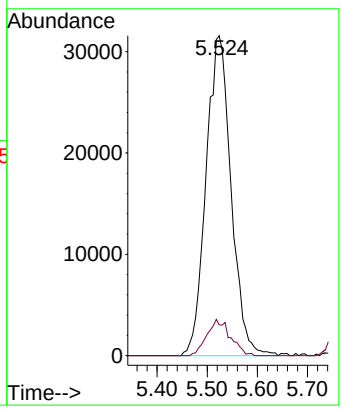


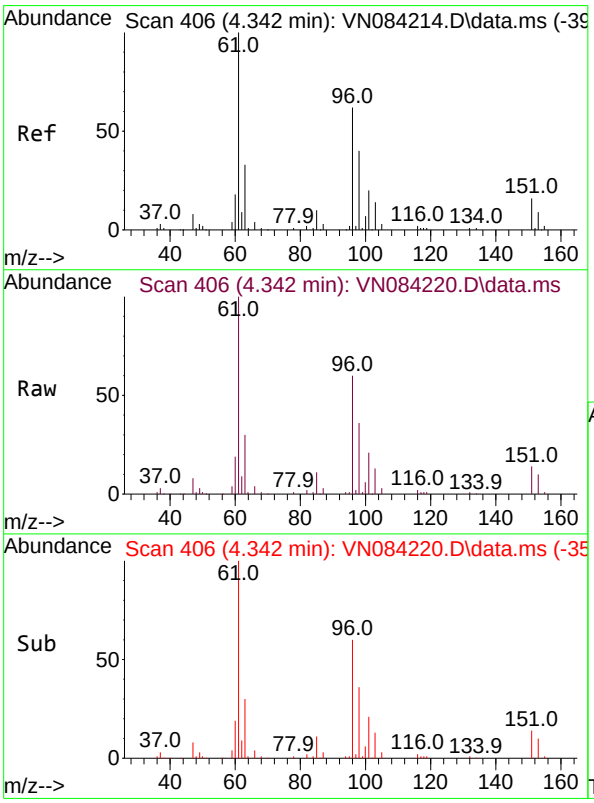
#11
Tert butyl alcohol
Concen: 257.154 ug/l
RT: 5.524 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 59 Resp: 109545

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

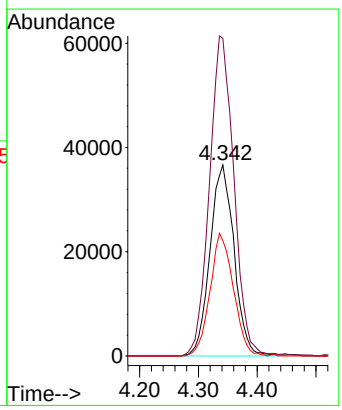


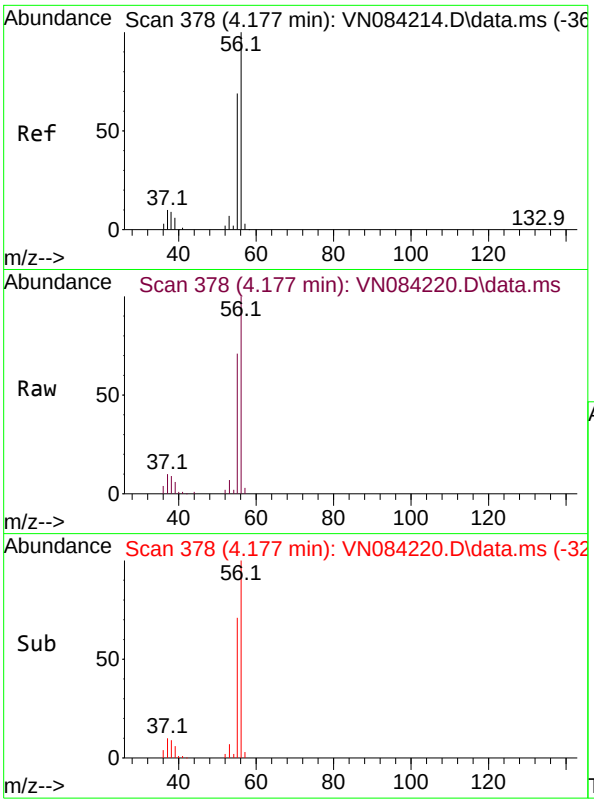


#12
1,1-Dichloroethene
Concen: 53.064 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



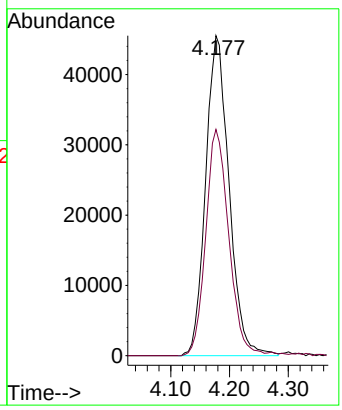


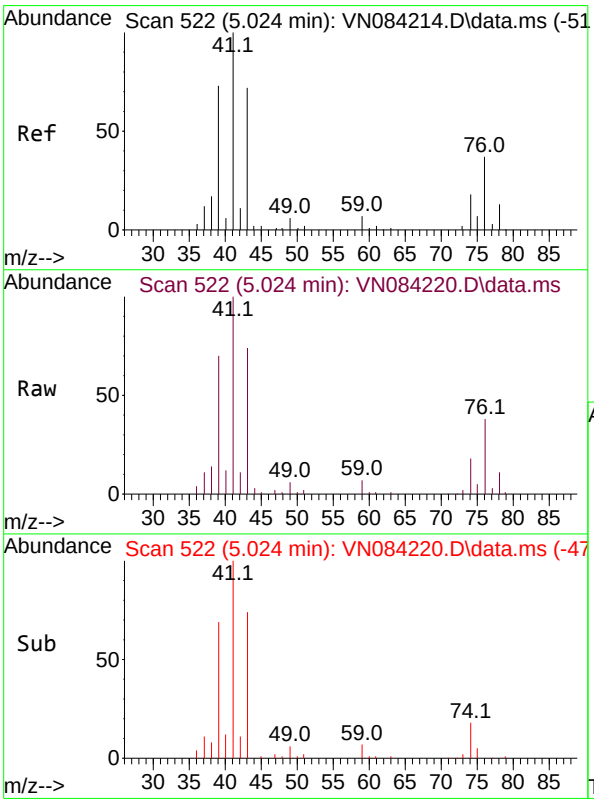
#13
Acrolein
Concen: 257.587 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 56 Resp: 125971

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

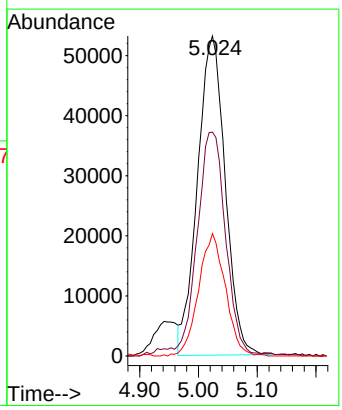


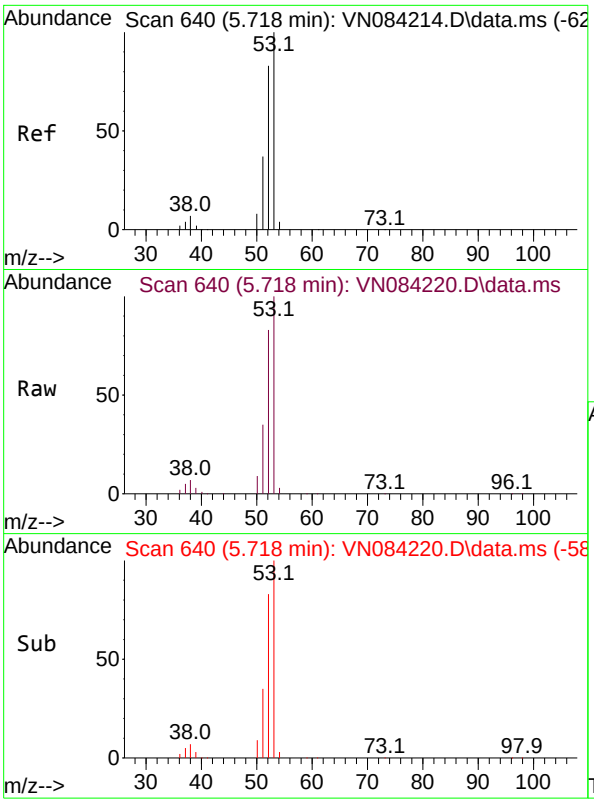


#14
Allyl chloride
Concen: 51.092 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



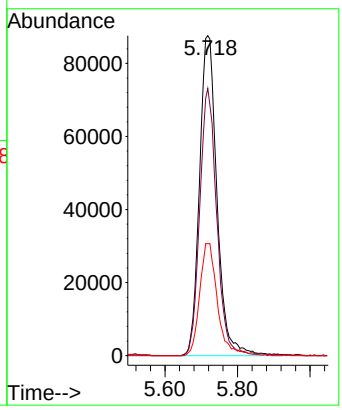


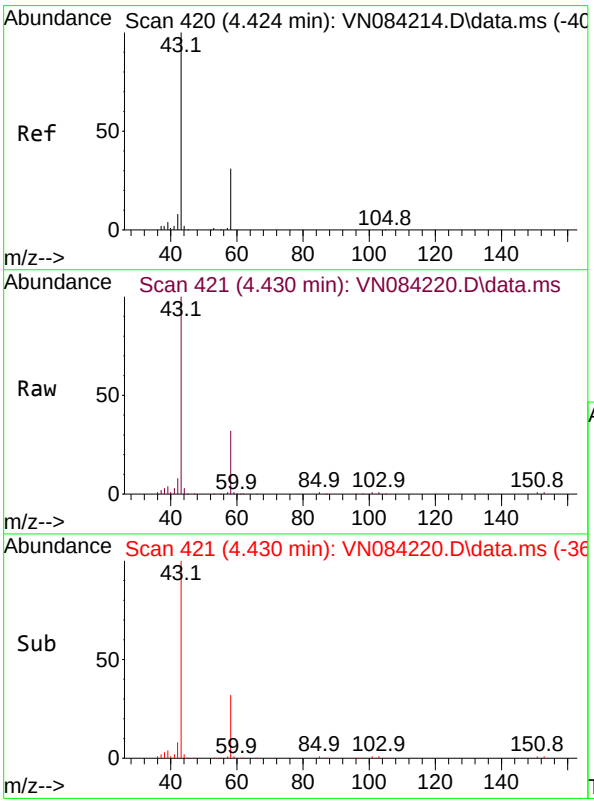
#15
Acrylonitrile
Concen: 273.264 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

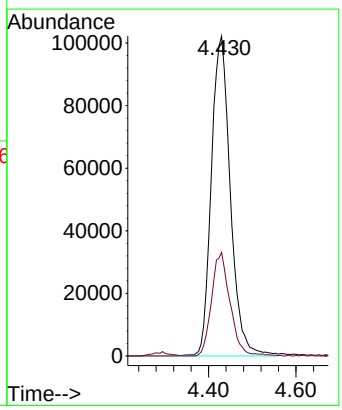


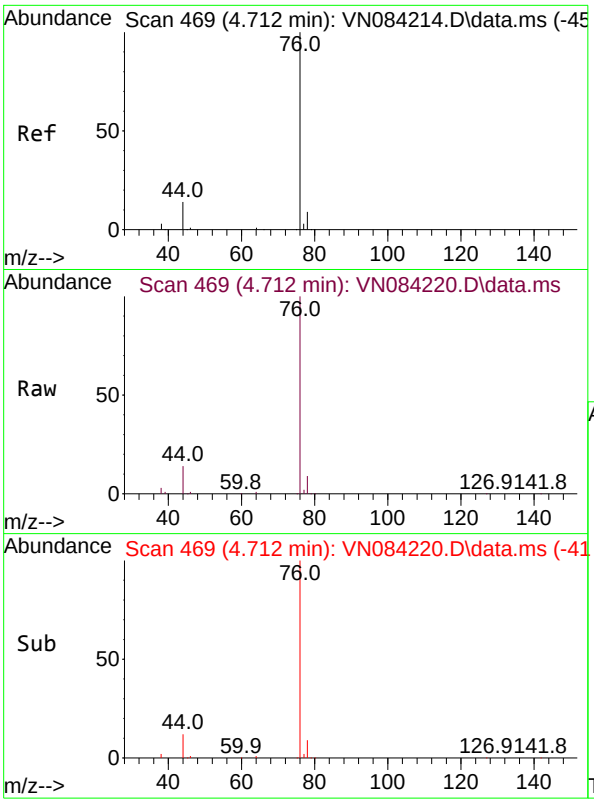


#16
Acetone
Concen: 277.547 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 308020

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6



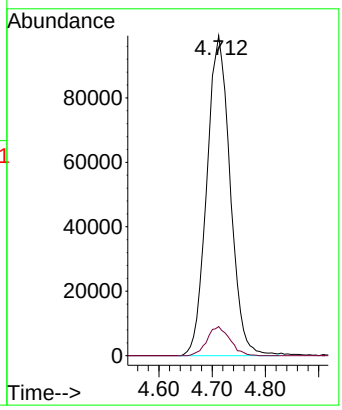


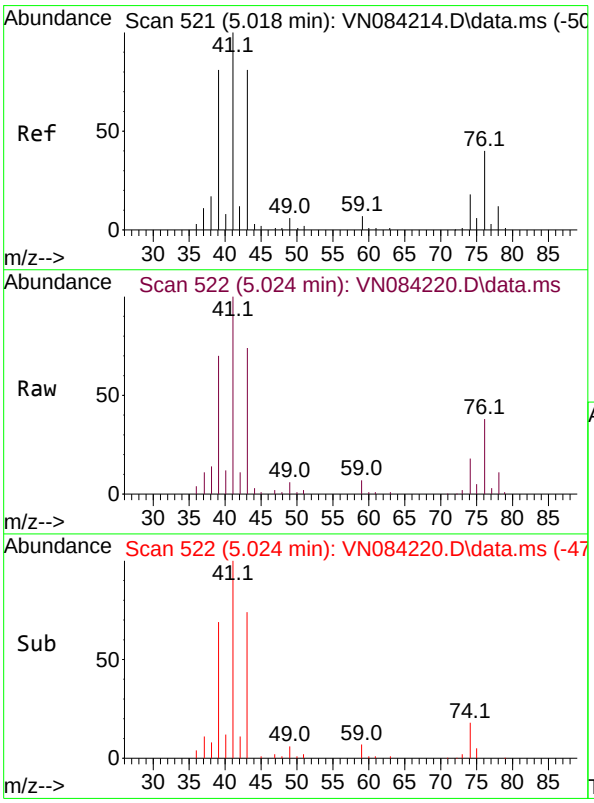
#17
Carbon Disulfide
Concen: 48.693 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 76 Resp: 302450

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

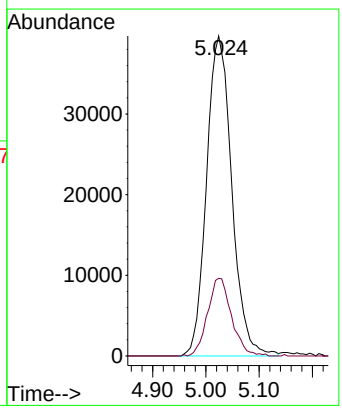


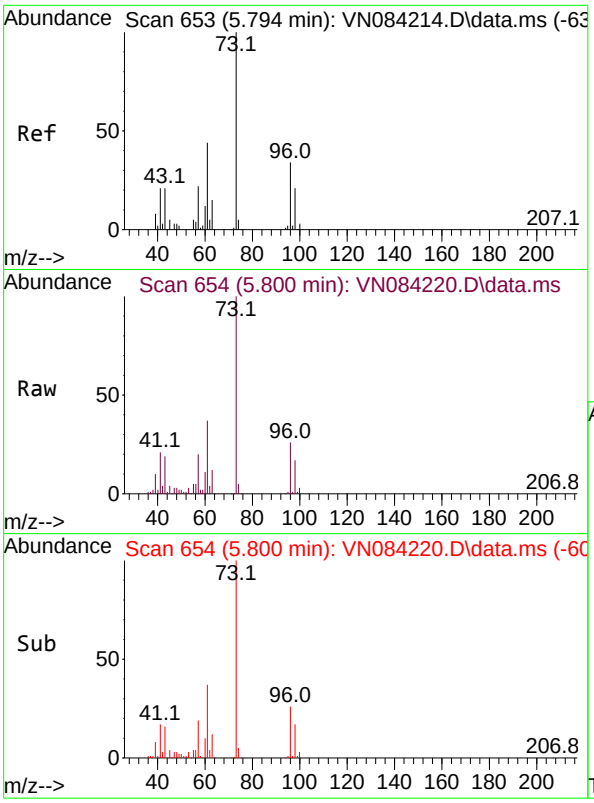


#18
Methyl Acetate
Concen: 53.948 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 43 Resp: 130494

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.2	28.8



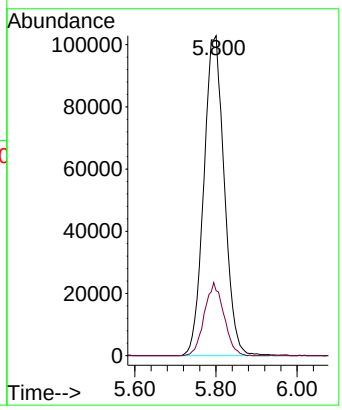


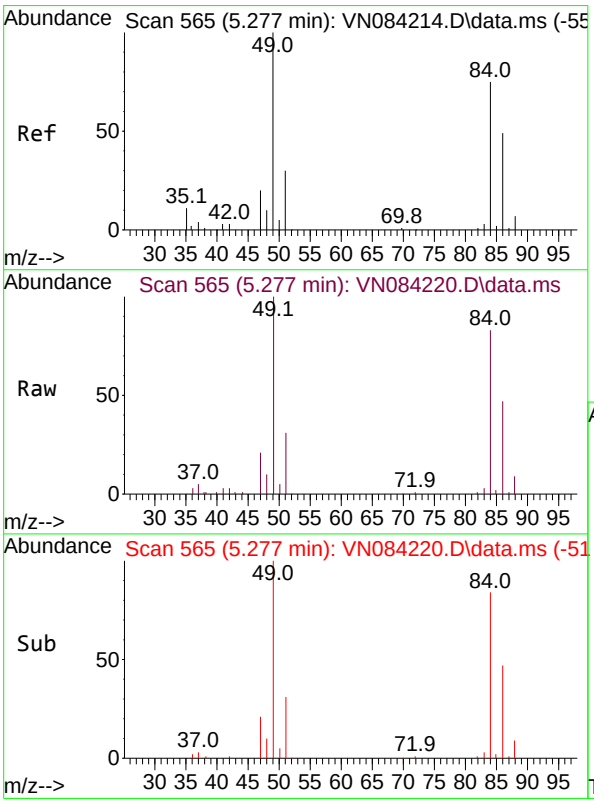
#19
Methyl tert-butyl Ether
Concen: 54.371 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 73 Resp: 360019

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

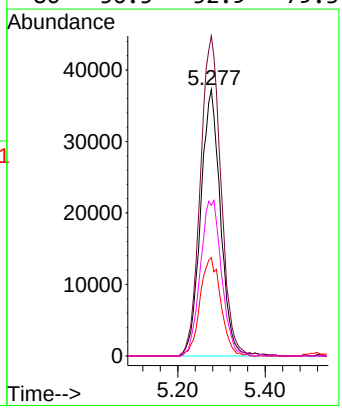


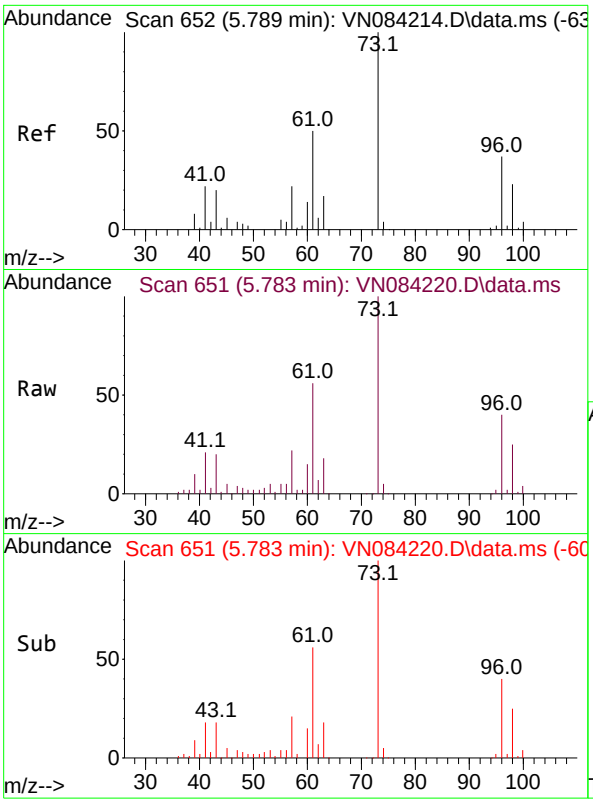


#20
Methylene Chloride
Concen: 52.116 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



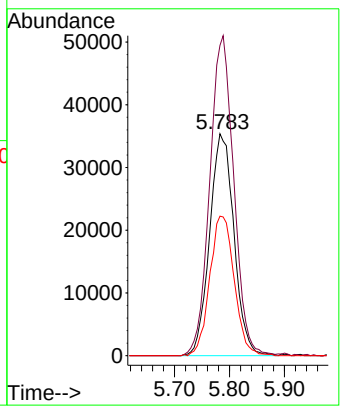


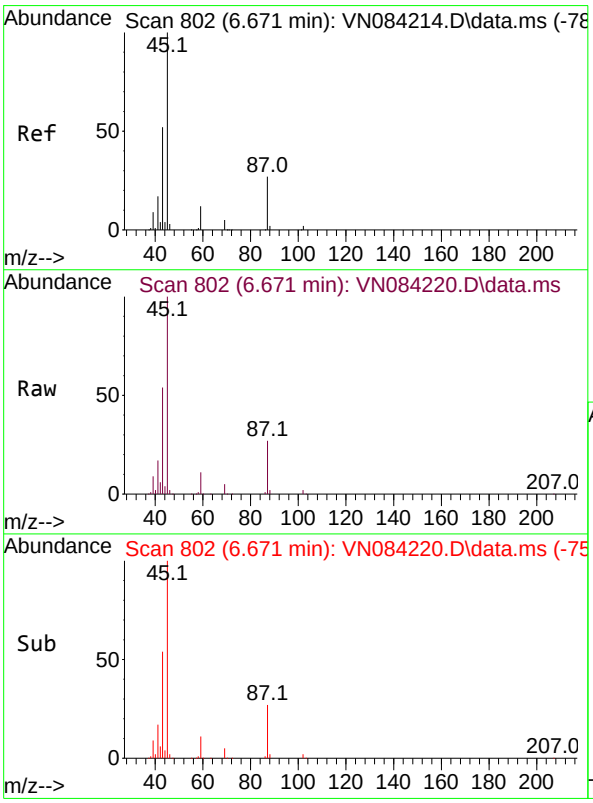
#21
trans-1,2-Dichloroethene
Concen: 52.980 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

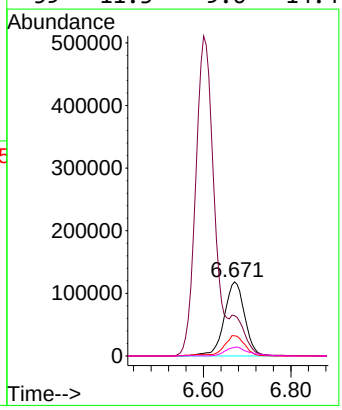


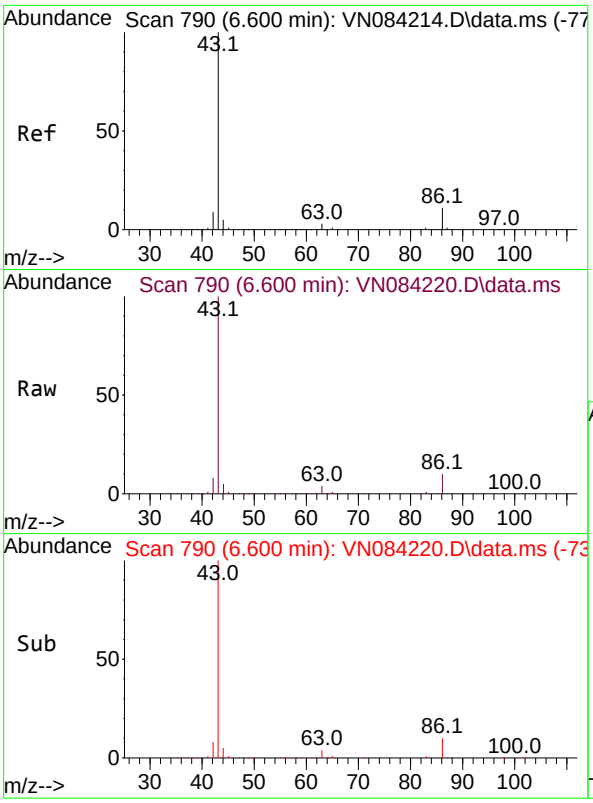


#22
Diisopropyl ether
Concen: 54.579 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



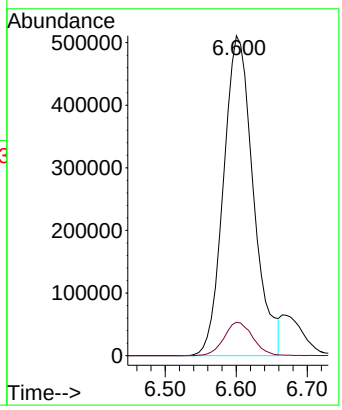


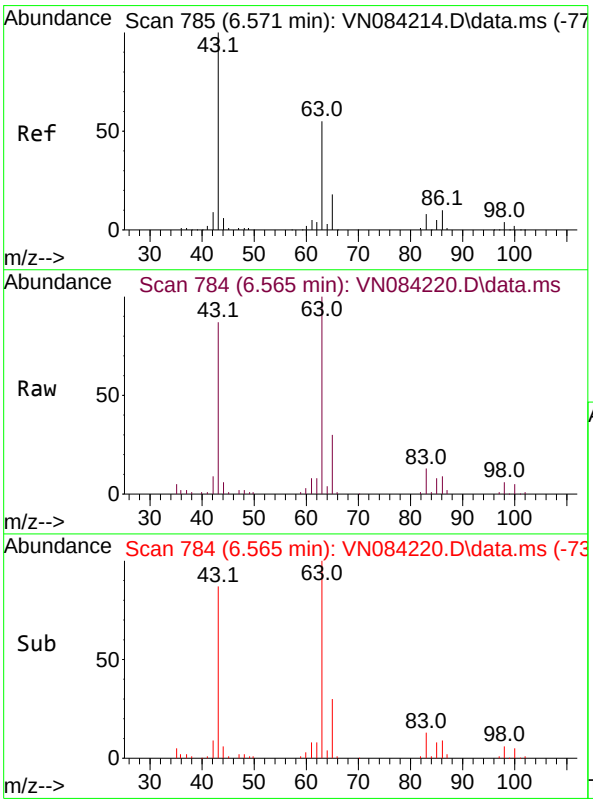
#23
Vinyl Acetate
Concen: 285.569 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 1492704

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	12.8

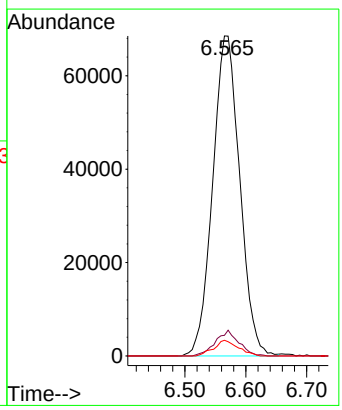


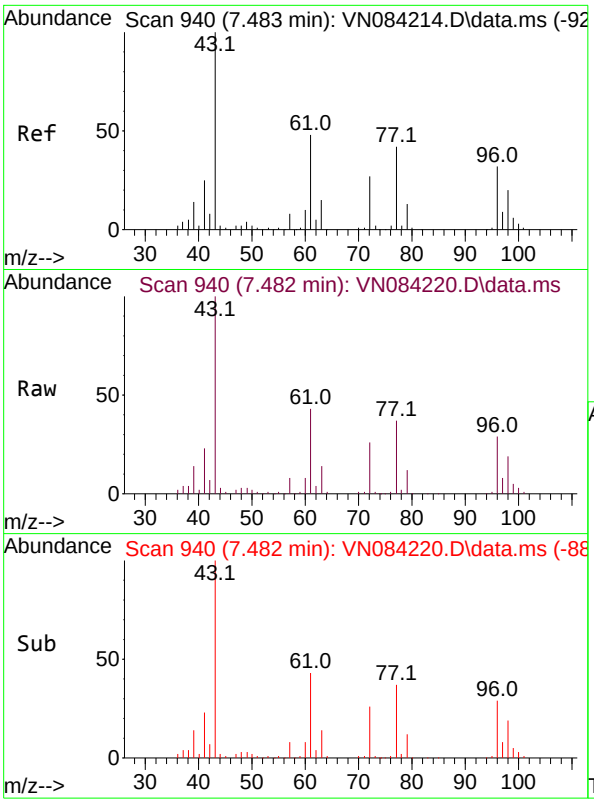


#24
1,1-Dichloroethane
Concen: 53.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



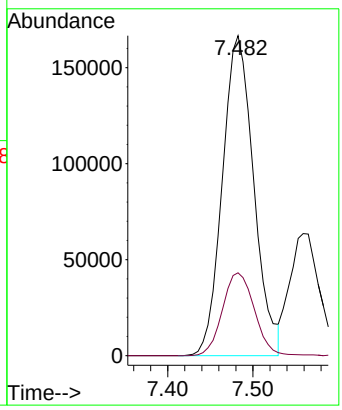


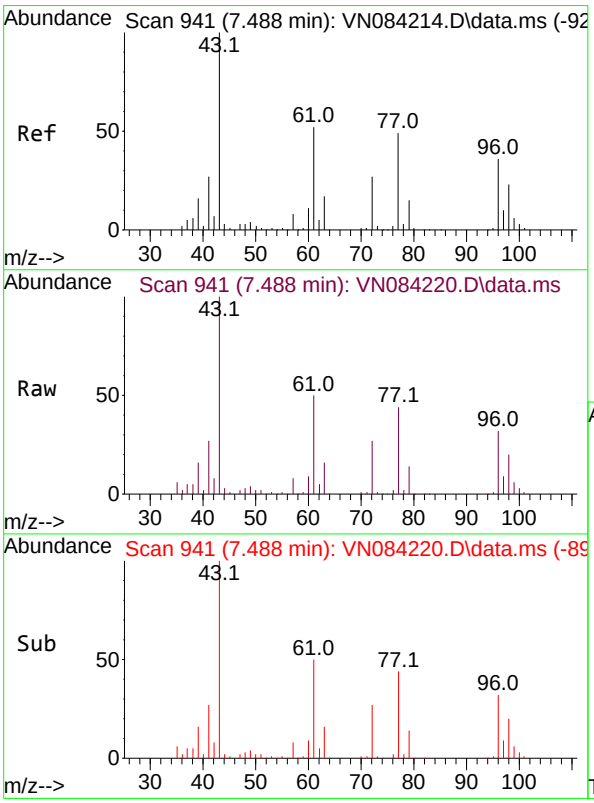
#25
2-Butanone
Concen: 282.397 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 426860

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

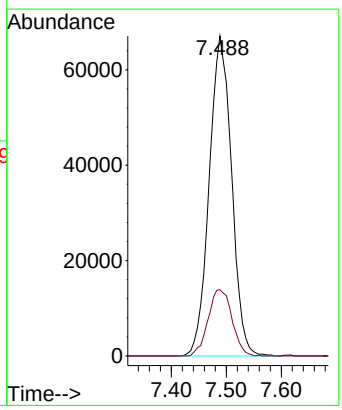


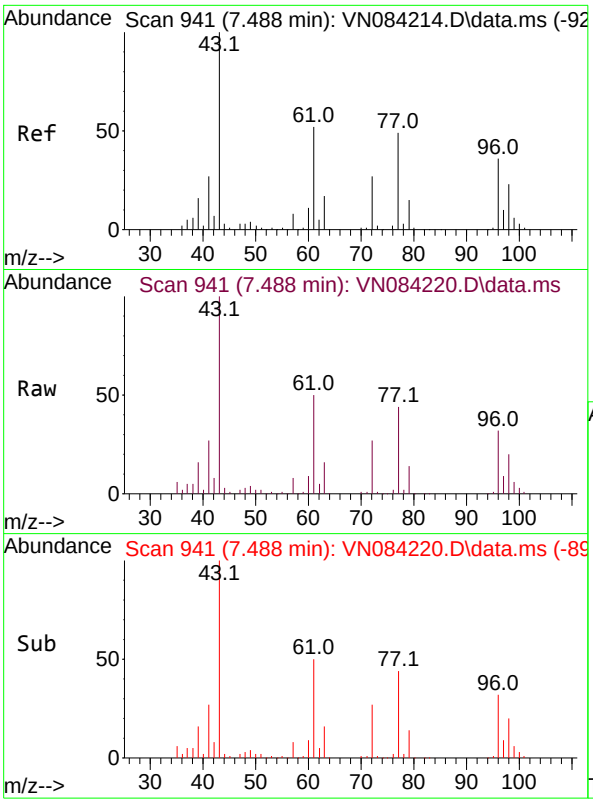


#26
2,2-Dichloropropane
Concen: 53.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 77 Resp: 189858

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.8	32.3



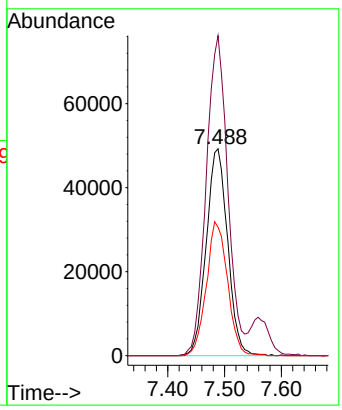


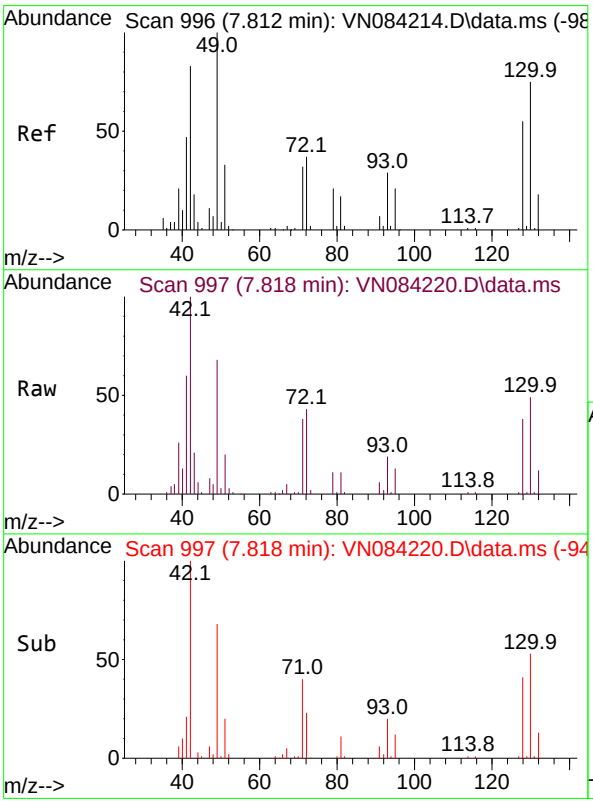
#27
cis-1,2-Dichloroethene
Concen: 51.876 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

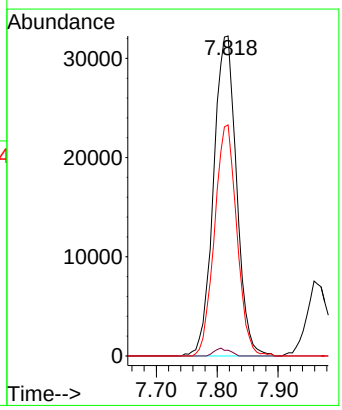


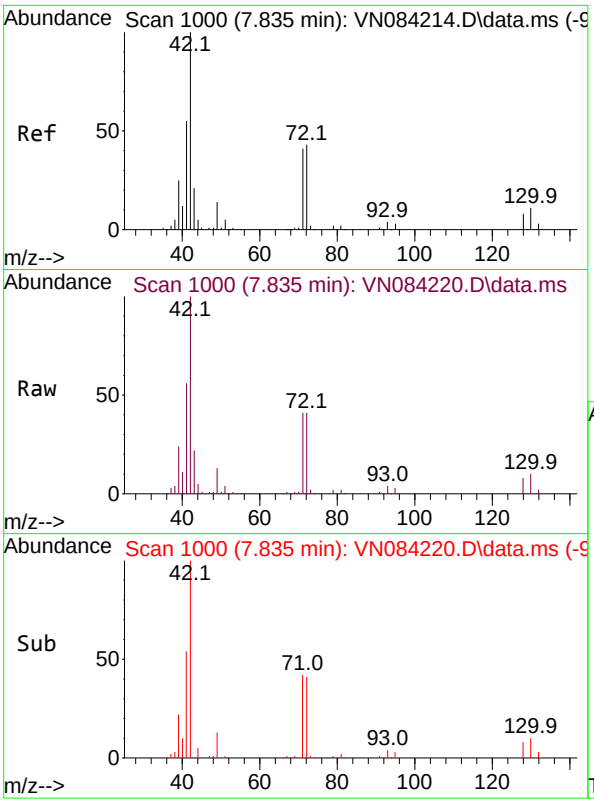


#28
Bromochloromethane
Concen: 48.129 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



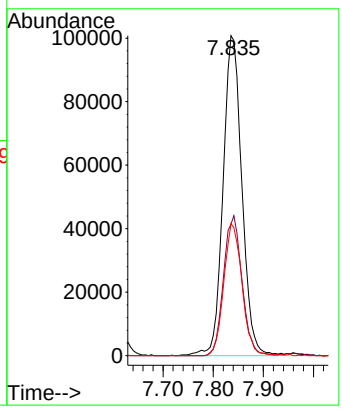


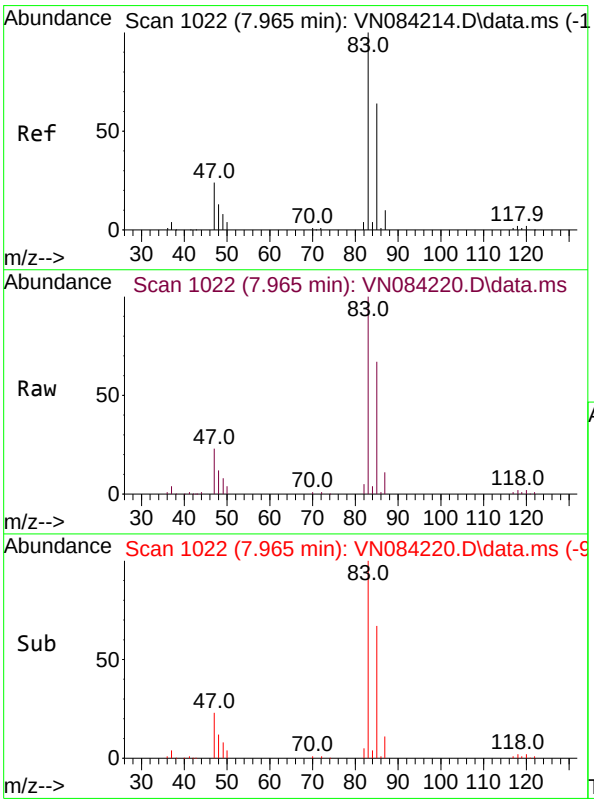
#29
Tetrahydrofuran
Concen: 281.940 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

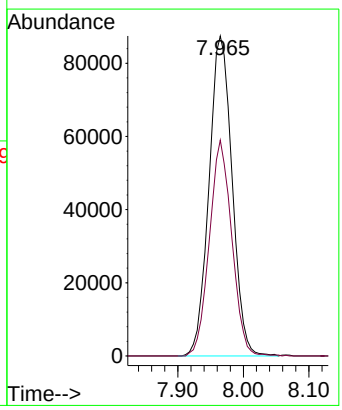


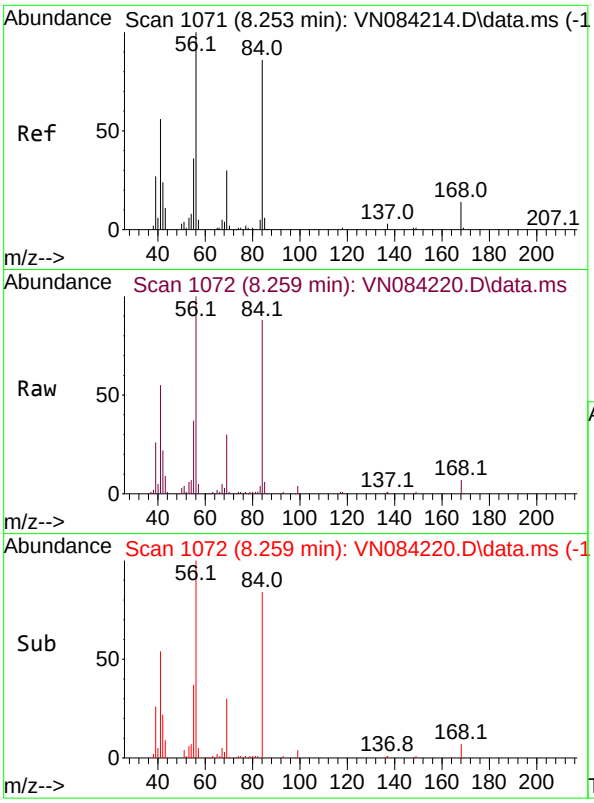


#30
Chloroform
Concen: 52.184 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 83 Resp: 213634

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4



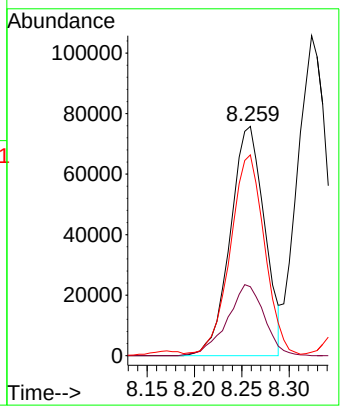


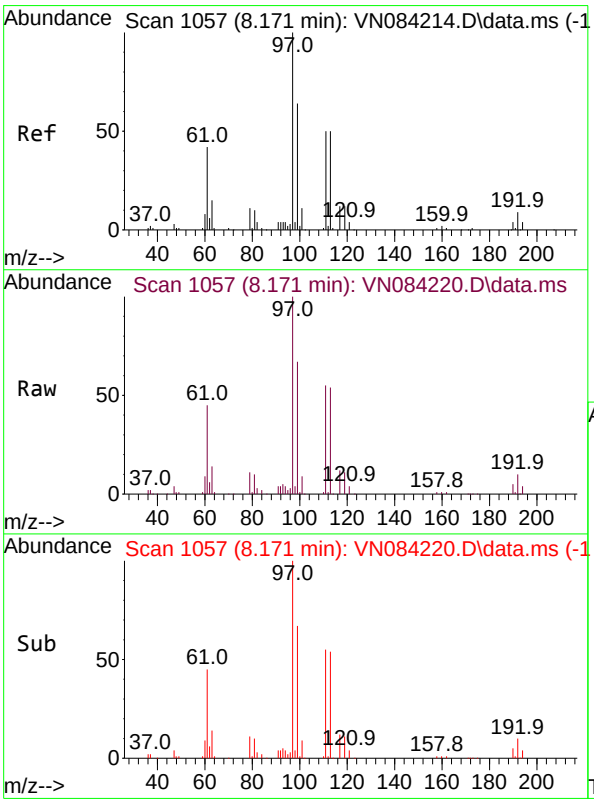
#31
Cyclohexane
Concen: 49.809 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

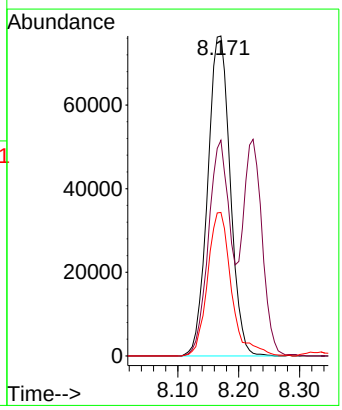


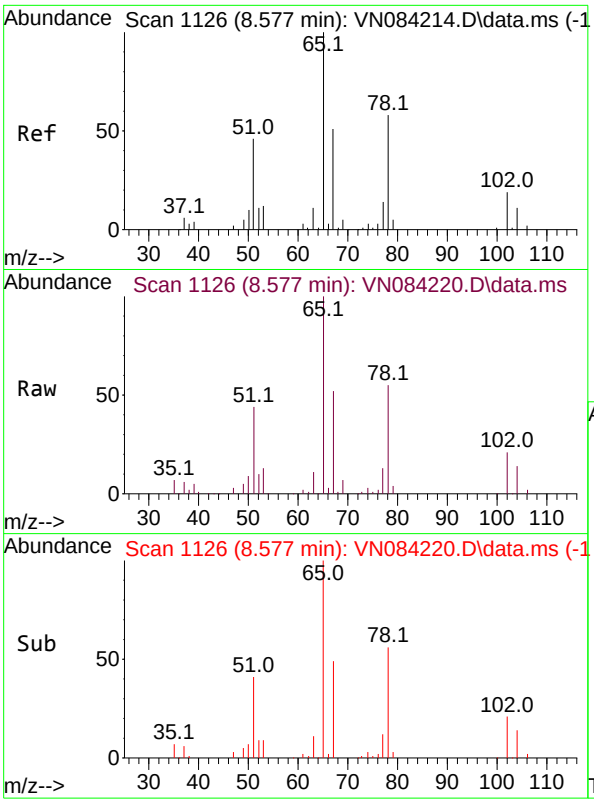


#32
1,1,1-Trichloroethane
Concen: 53.395 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



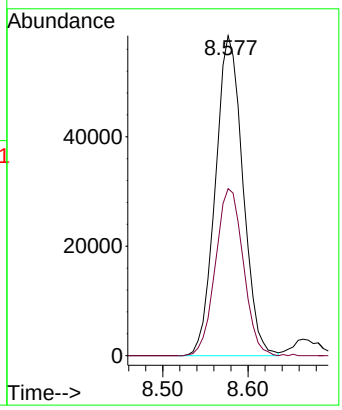


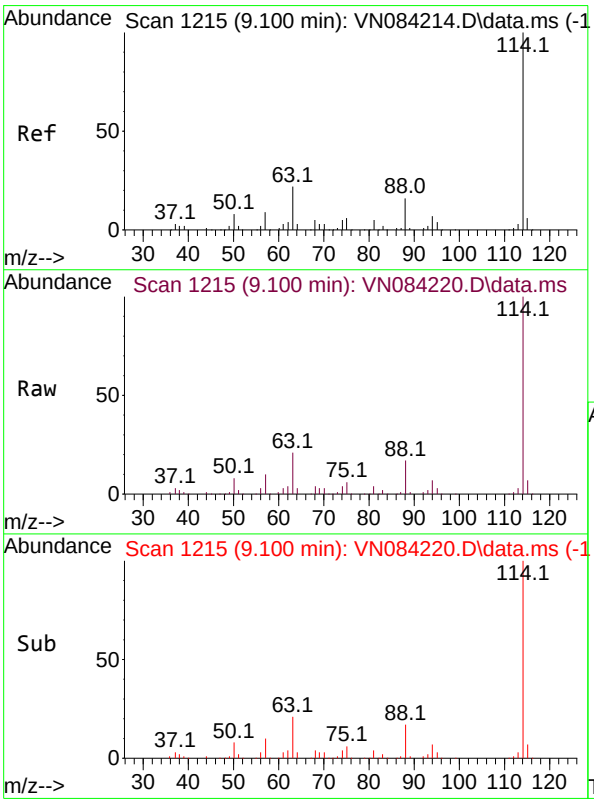
#33
1,2-Dichloroethane-d4
Concen: 50.564 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 65 Resp: 130630

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0

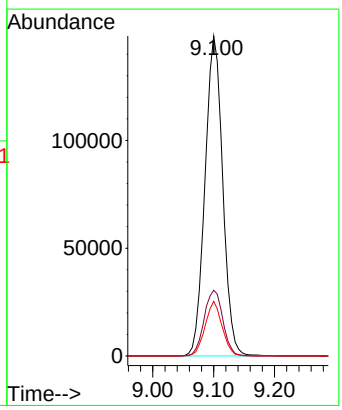


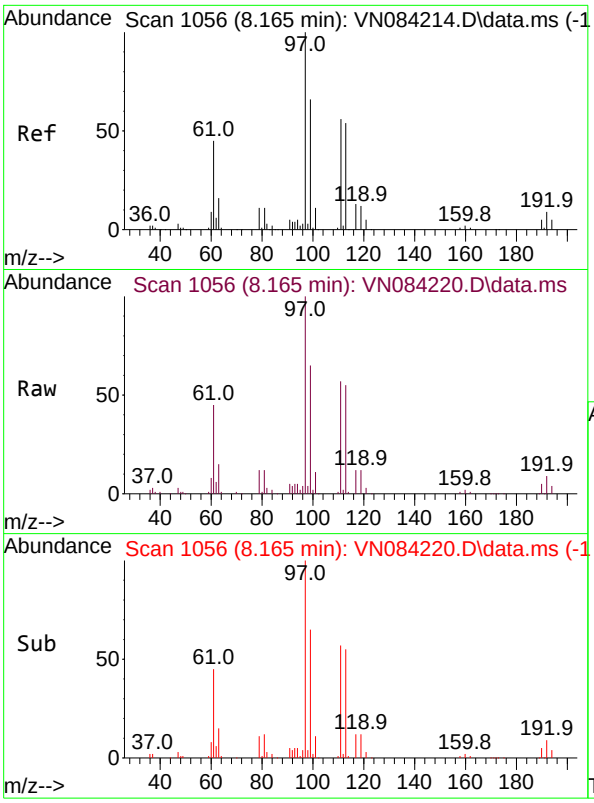


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



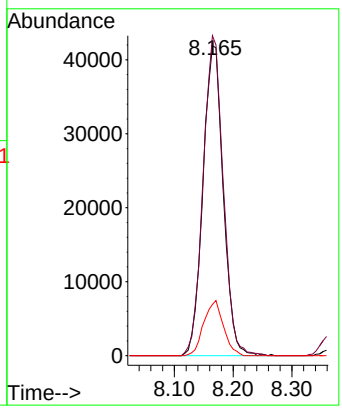


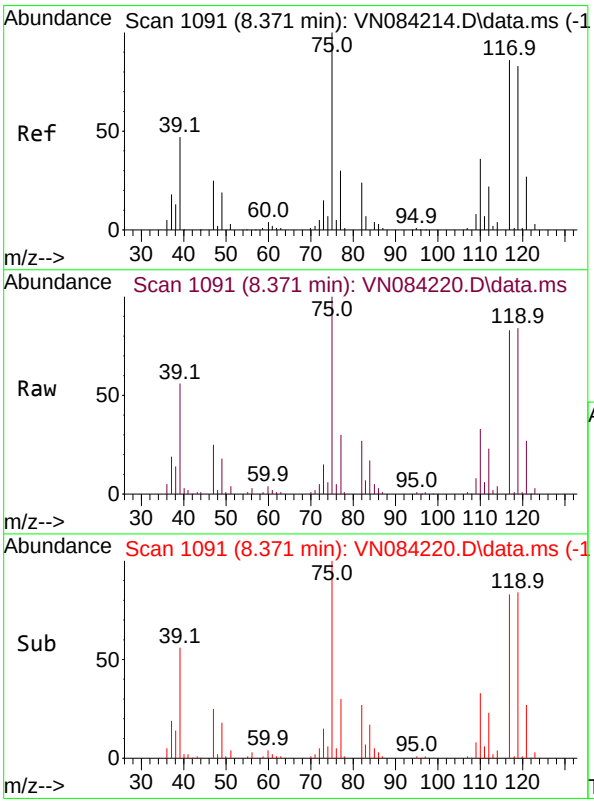
#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

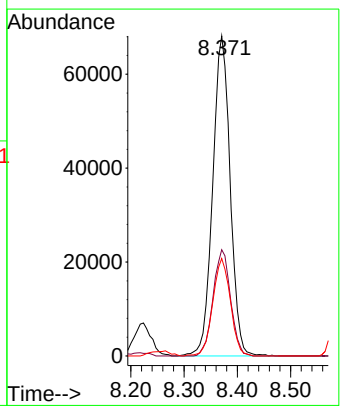


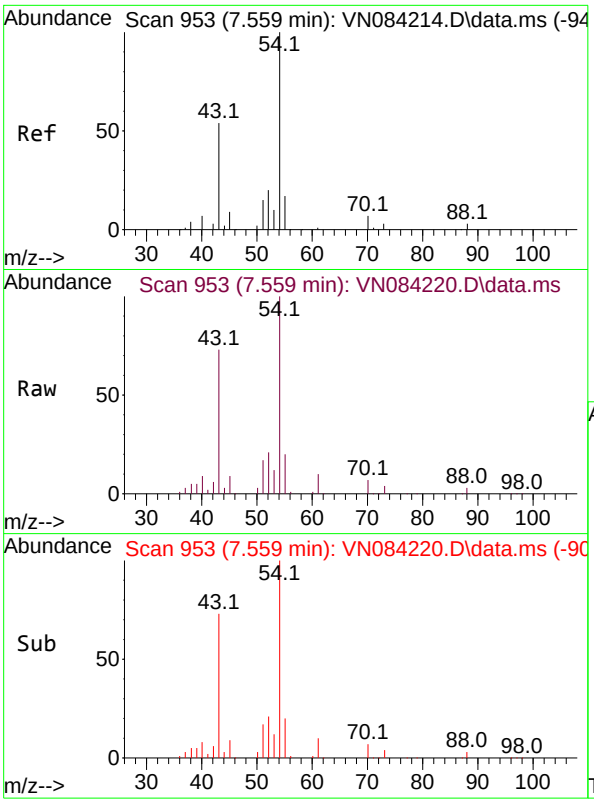


#36
1,1-Dichloropropene
Concen: 53.917 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



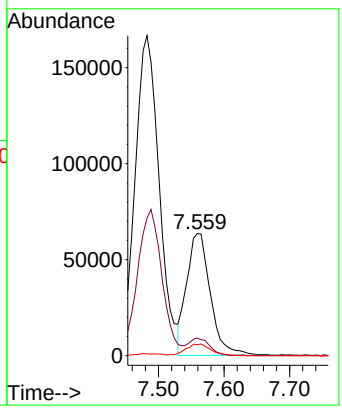


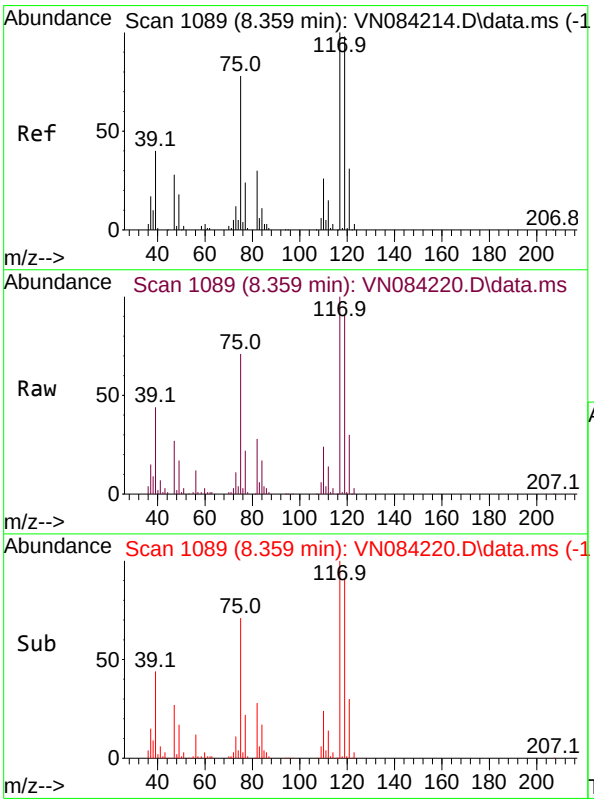
#37
Ethyl Acetate
Concen: 54.043 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

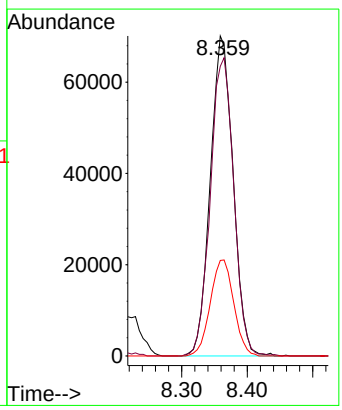


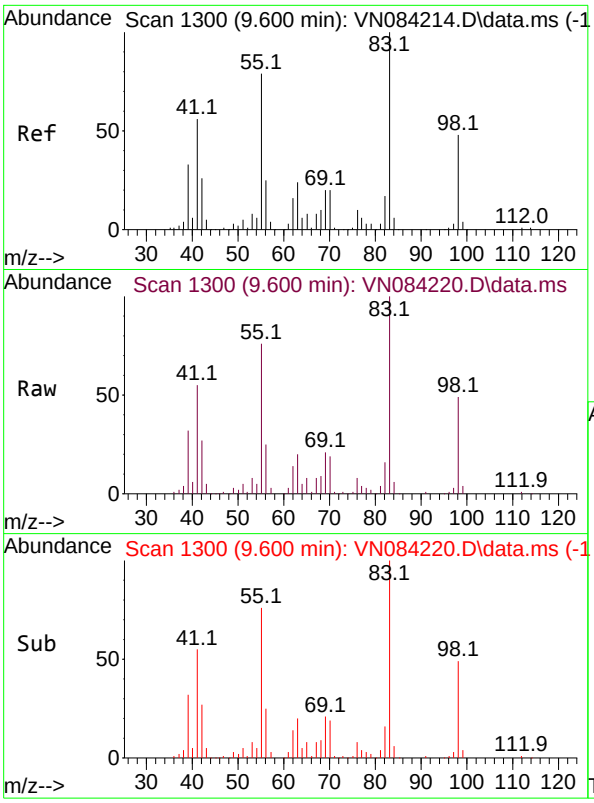


#38
Carbon Tetrachloride
Concen: 53.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



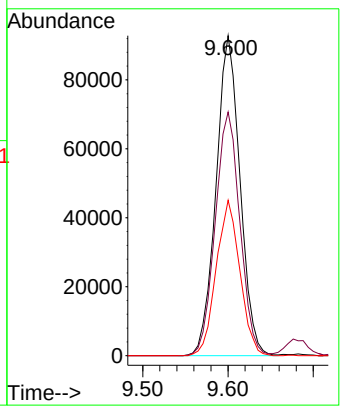


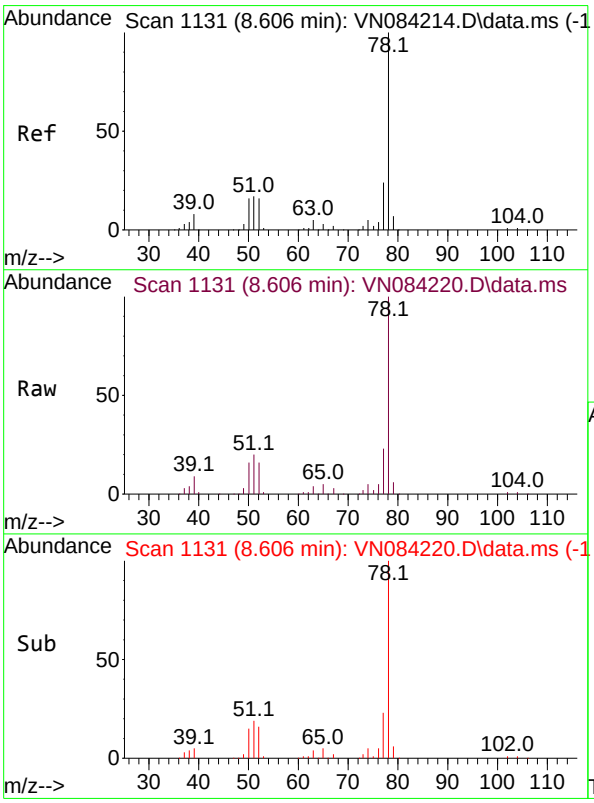
#39
Methylcyclohexane
Concen: 56.648 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

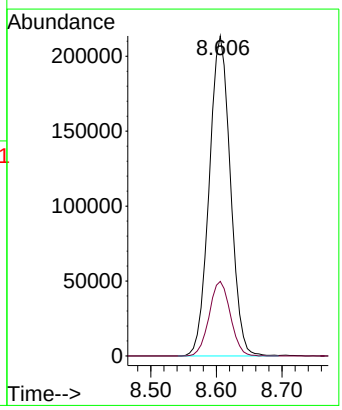


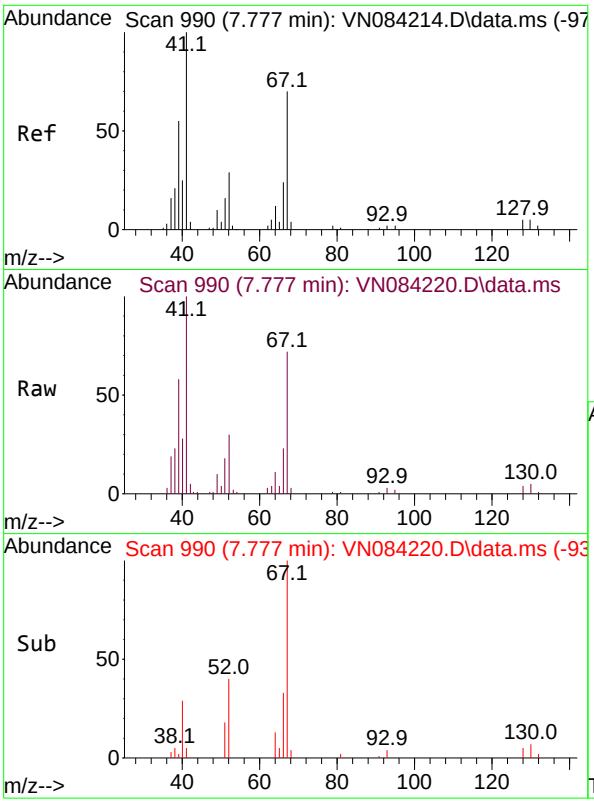


#40
Benzene
Concen: 53.301 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 78 Resp: 478538

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



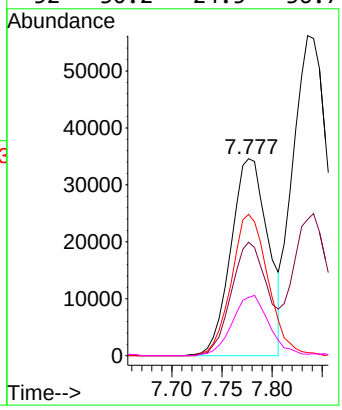


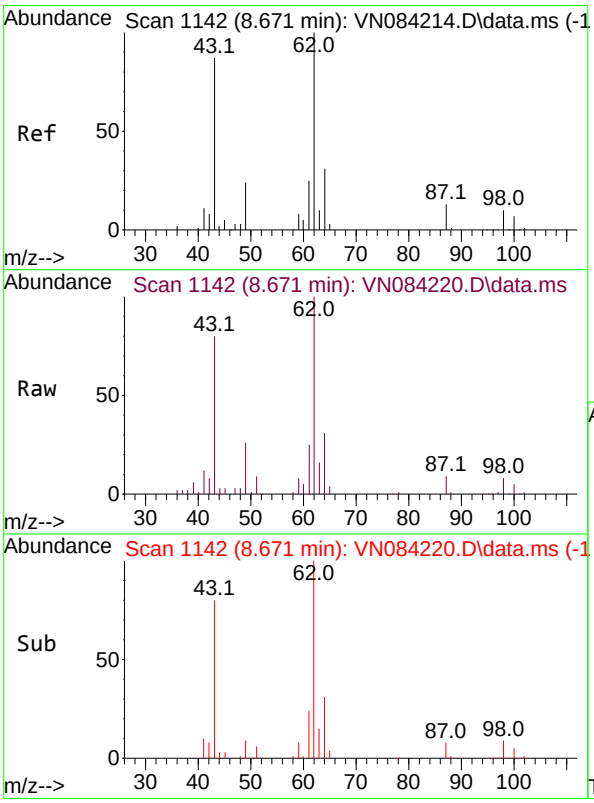
#41
Methacrylonitrile
Concen: 55.708 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

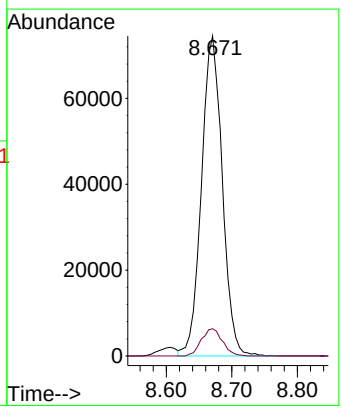


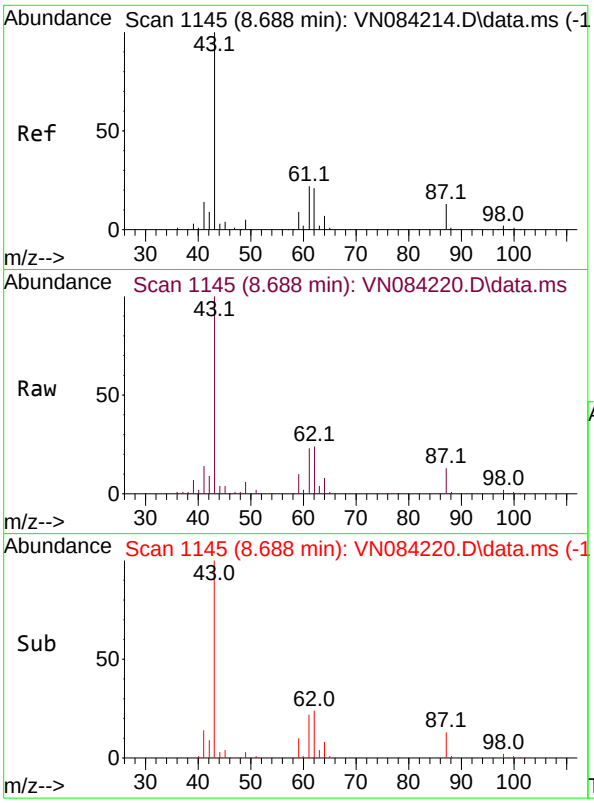


#42
1,2-Dichloroethane
Concen: 54.131 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 62 Resp: 164758

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



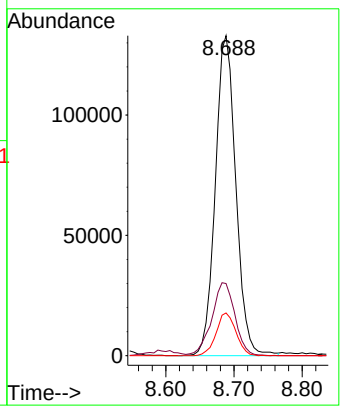


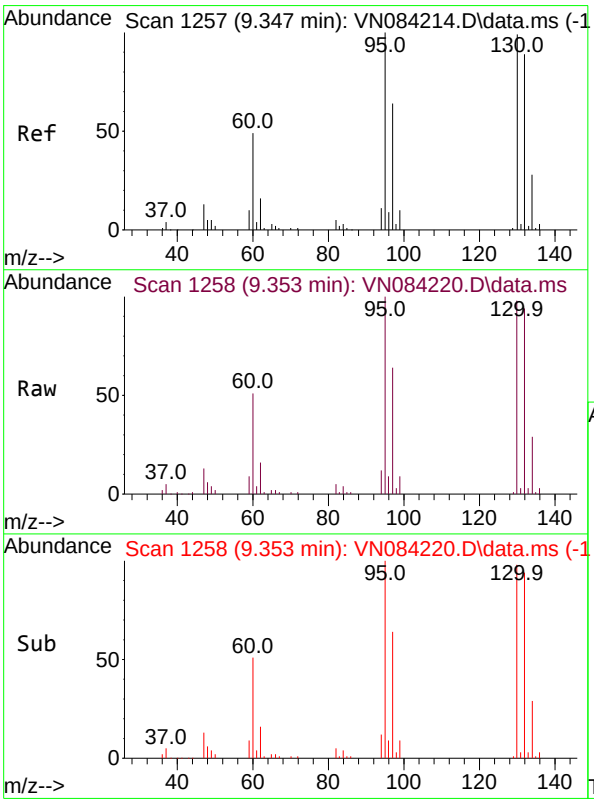
#43
Isopropyl Acetate
Concen: 48.126 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

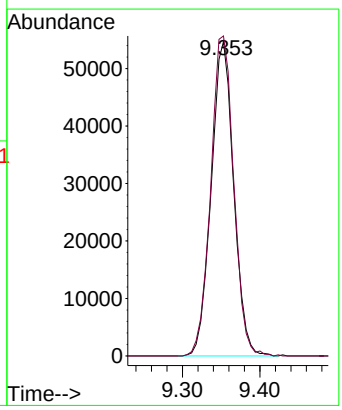


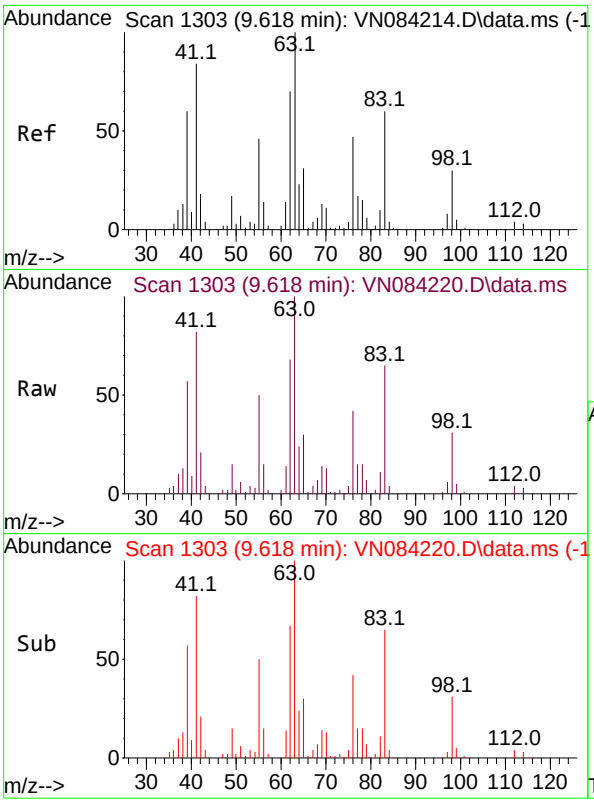


#44
Trichloroethene
Concen: 52.368 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:130 Resp: 109810

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0



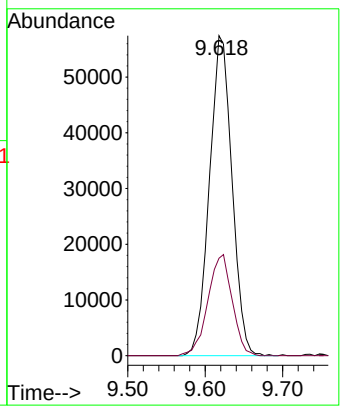


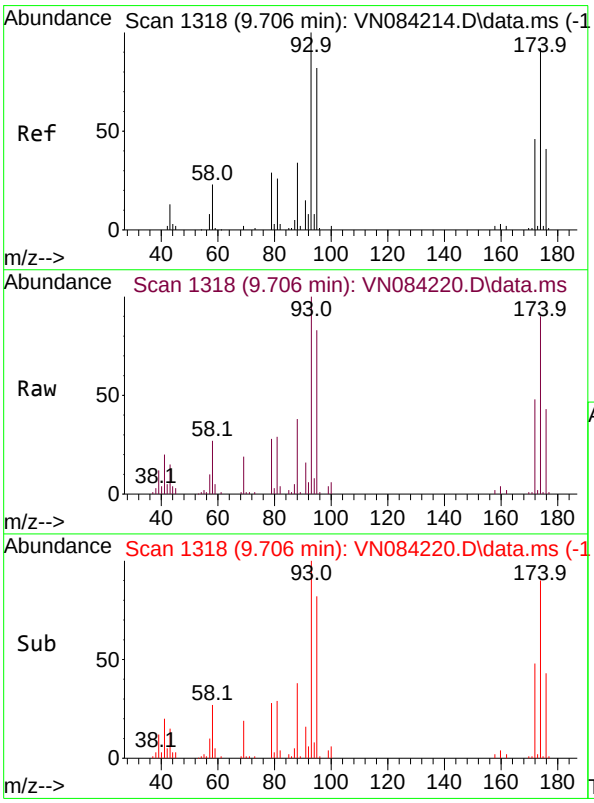
#45
1,2-Dichloropropane
Concen: 54.694 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 63 Resp: 116161

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0

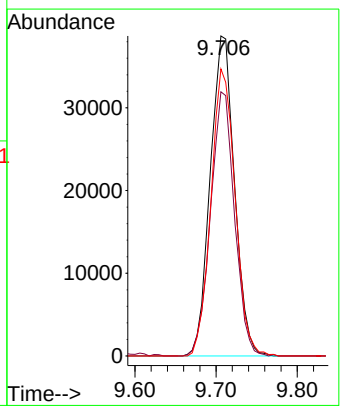


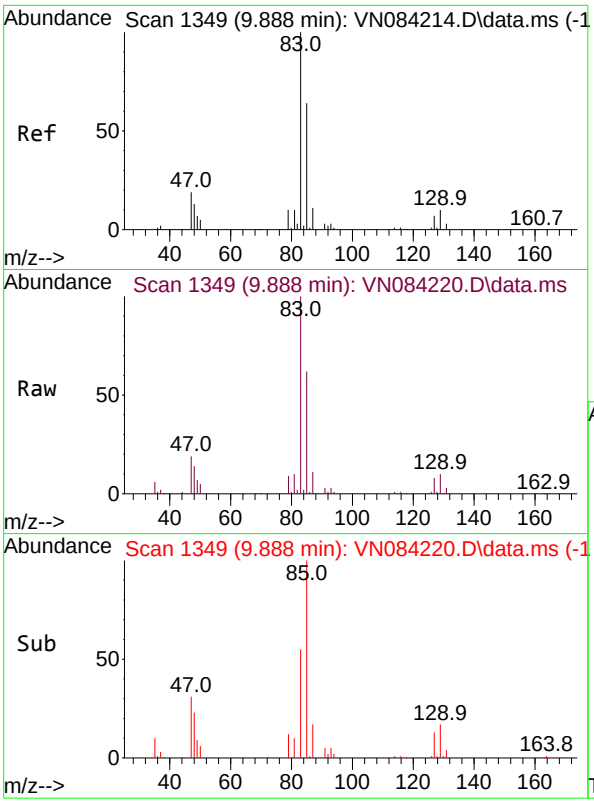


#46
Dibromomethane
Concen: 56.015 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



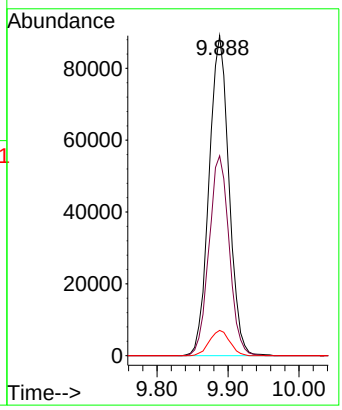


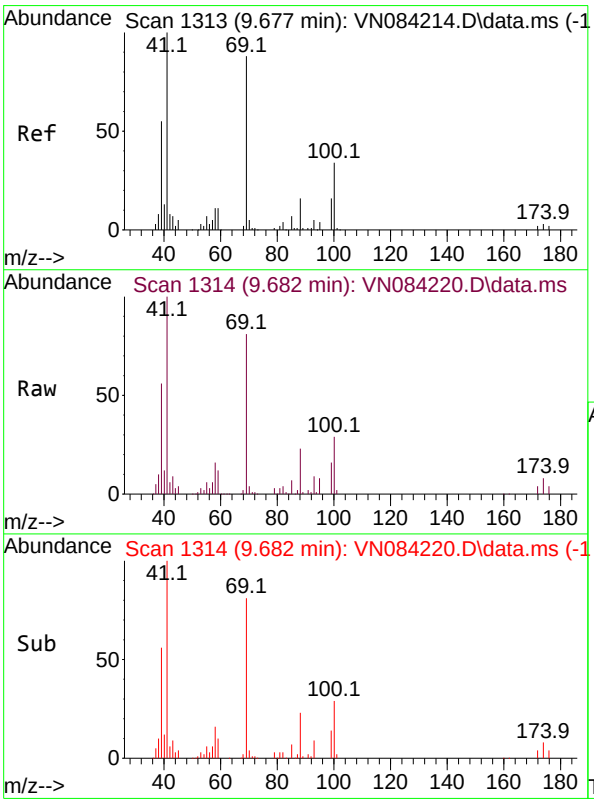
#47
Bromodichloromethane
Concen: 54.335 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

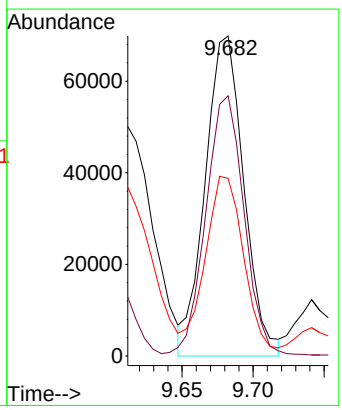


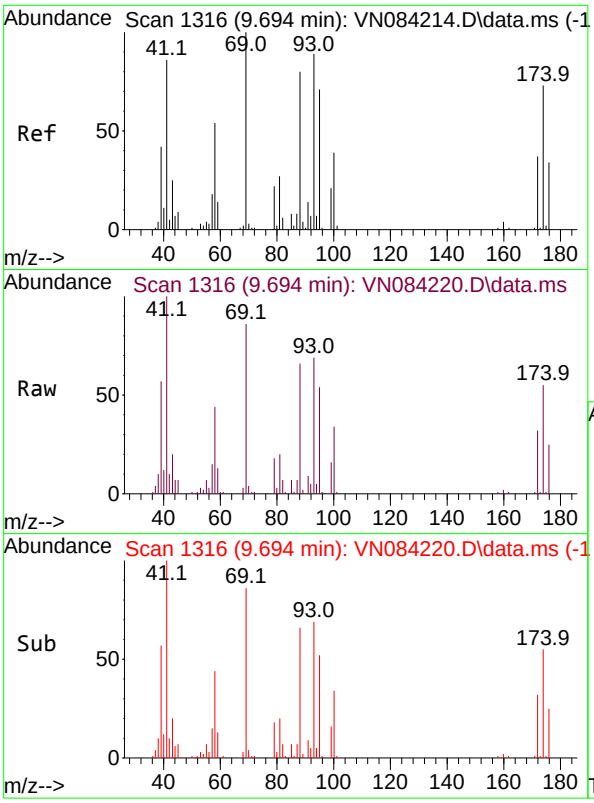


#48
Methyl methacrylate
Concen: 57.391 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



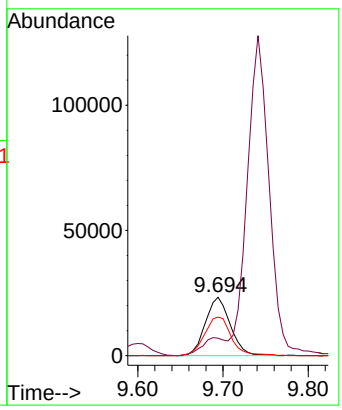


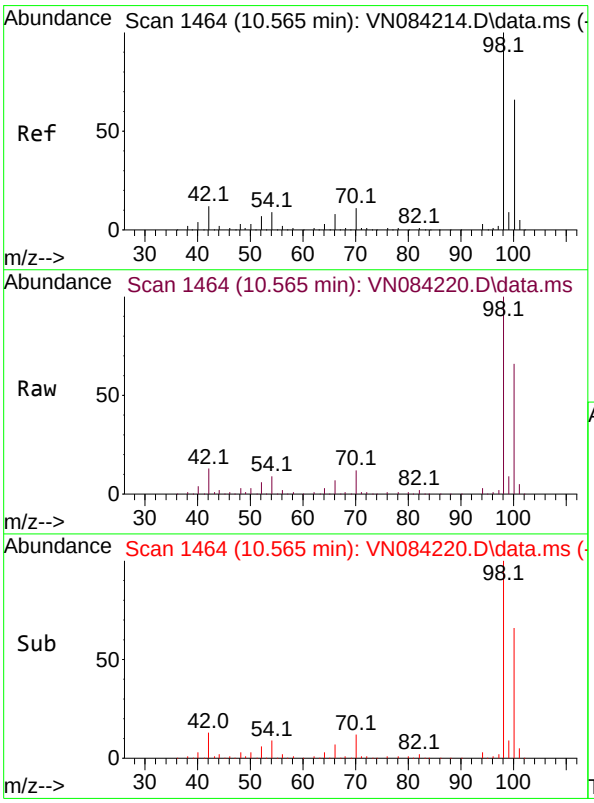
#49
1,4-Dioxane
Concen: 1111.545 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

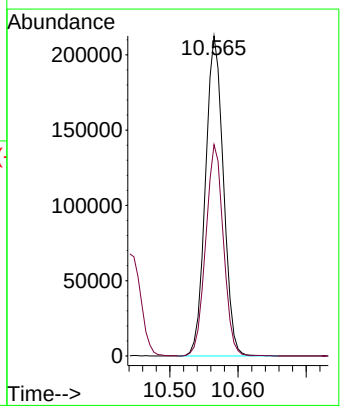


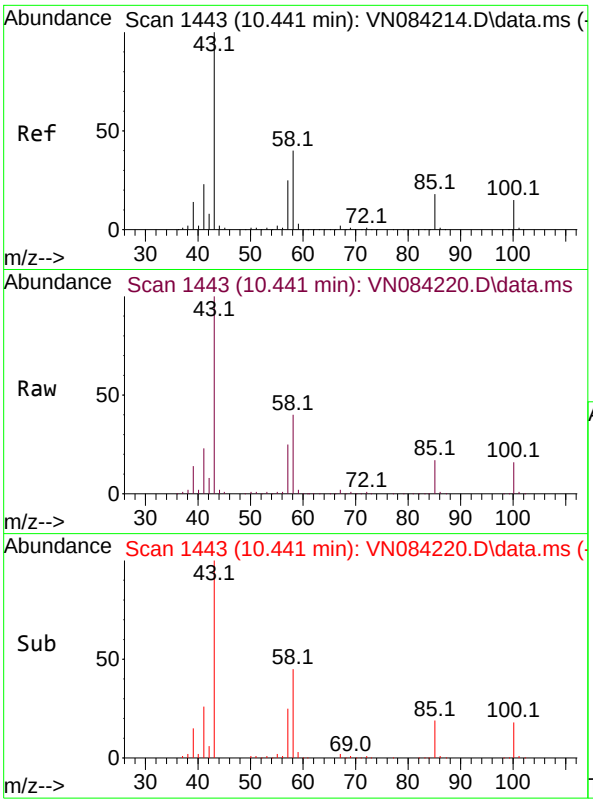


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 98 Resp: 387775

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



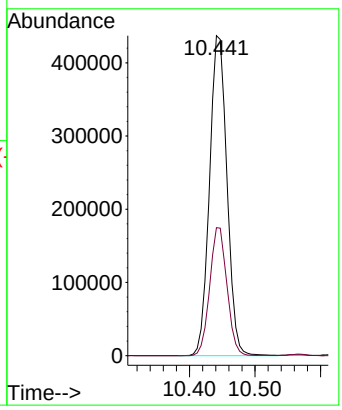


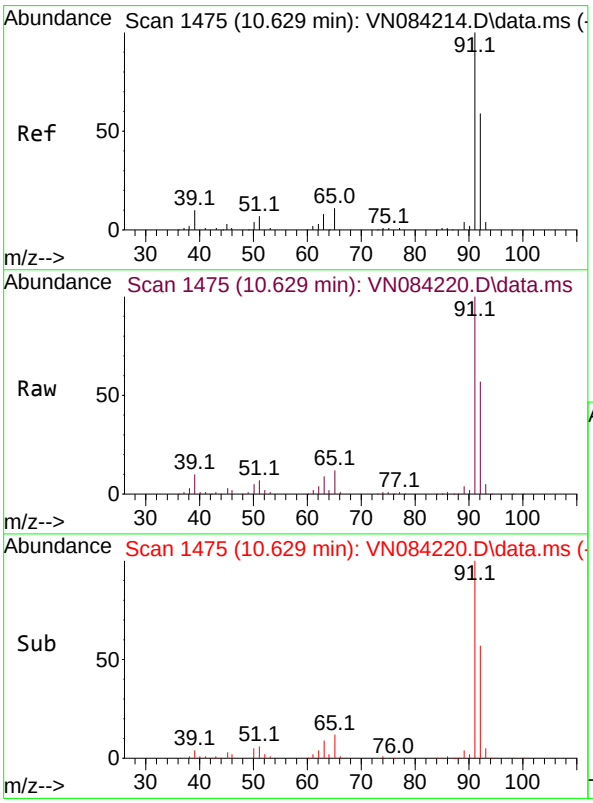
#51
4-Methyl-2-Pentanone
Concen: 287.336 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 808630

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

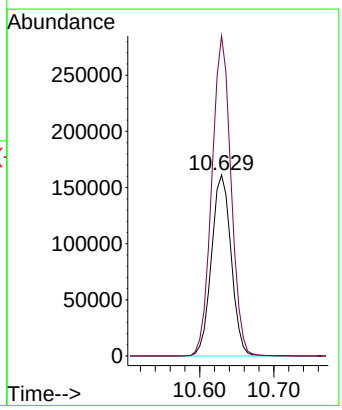


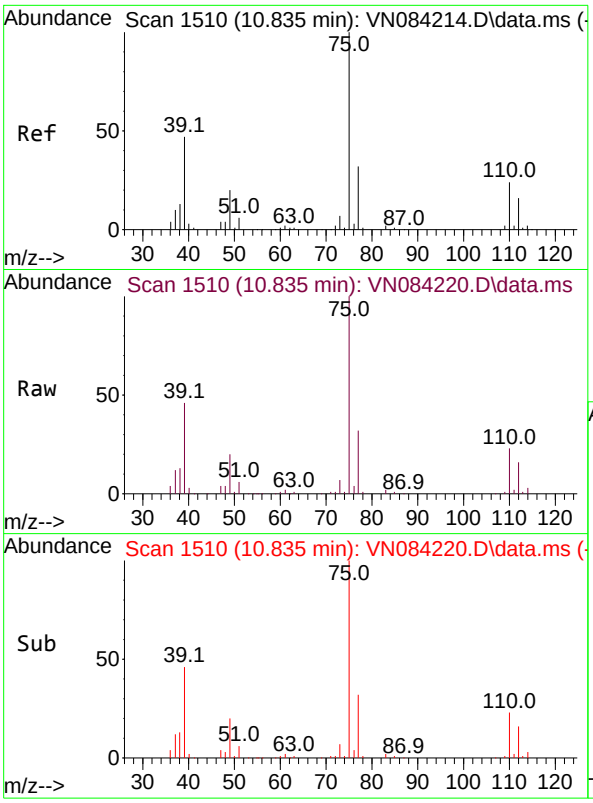


#52
Toluene
Concen: 54.185 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 92 Resp: 296651

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9



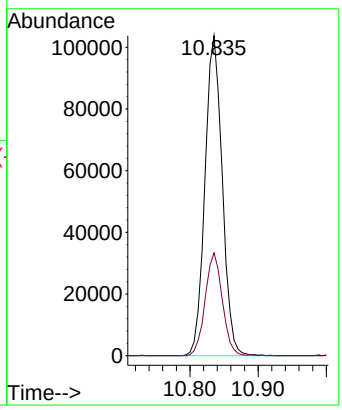


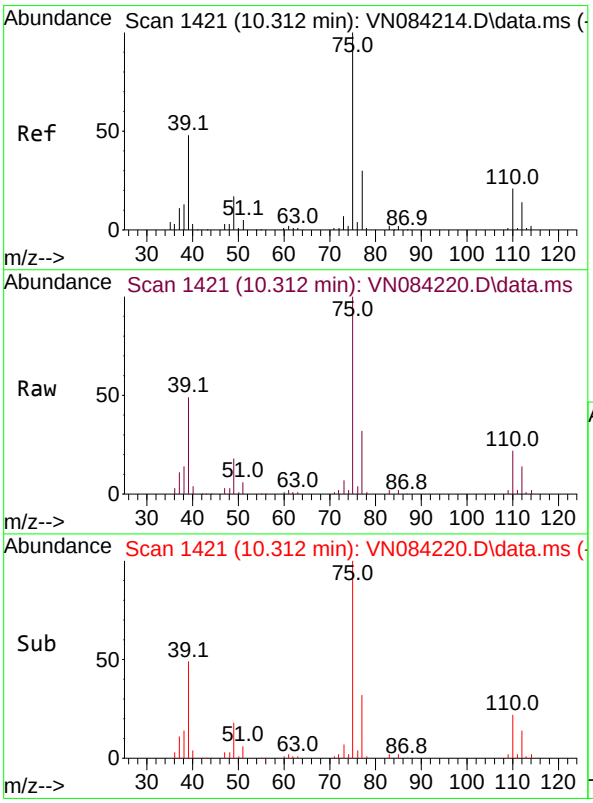
#53
t-1,3-Dichloropropene
Concen: 56.426 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 75 Resp: 183153

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

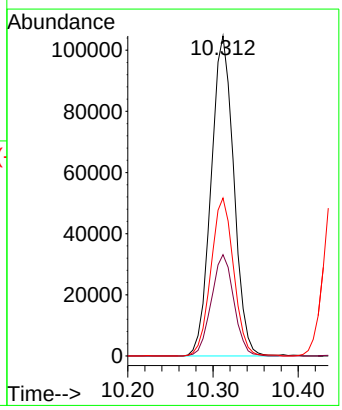


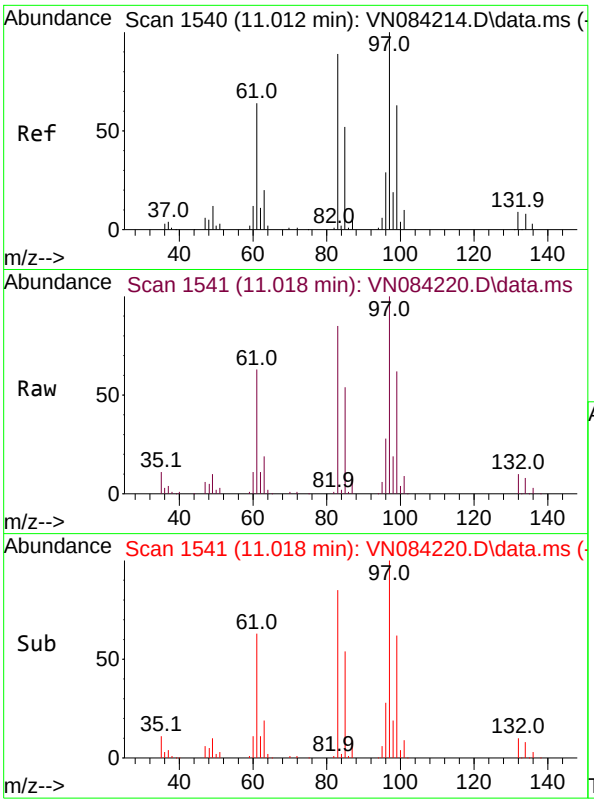


#54
cis-1,3-Dichloropropene
Concen: 55.416 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



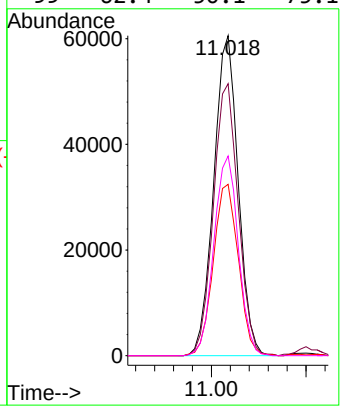


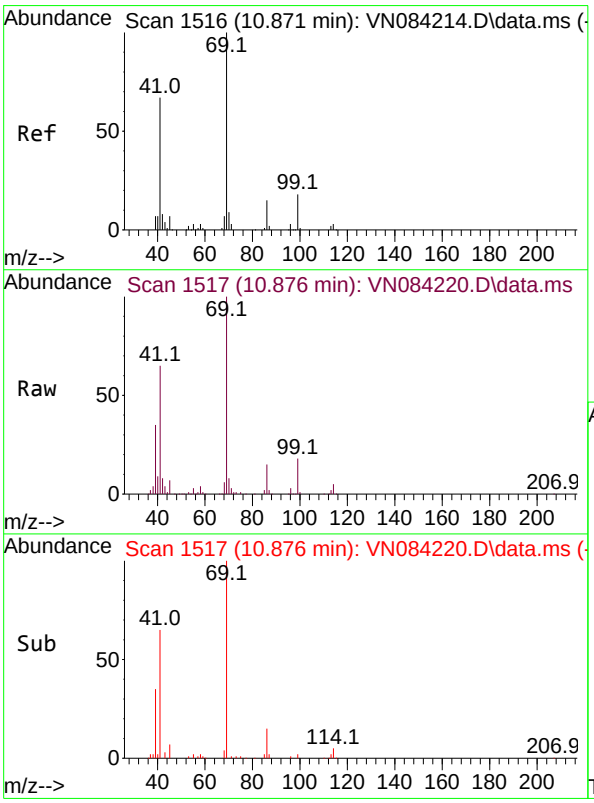
#55
1,1,2-Trichloroethane
Concen: 55.307 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

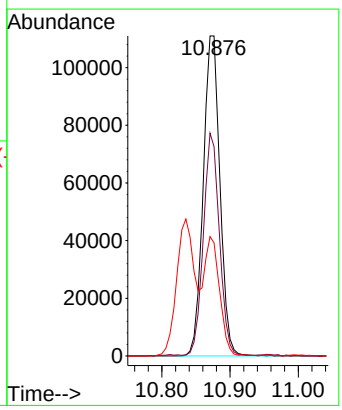


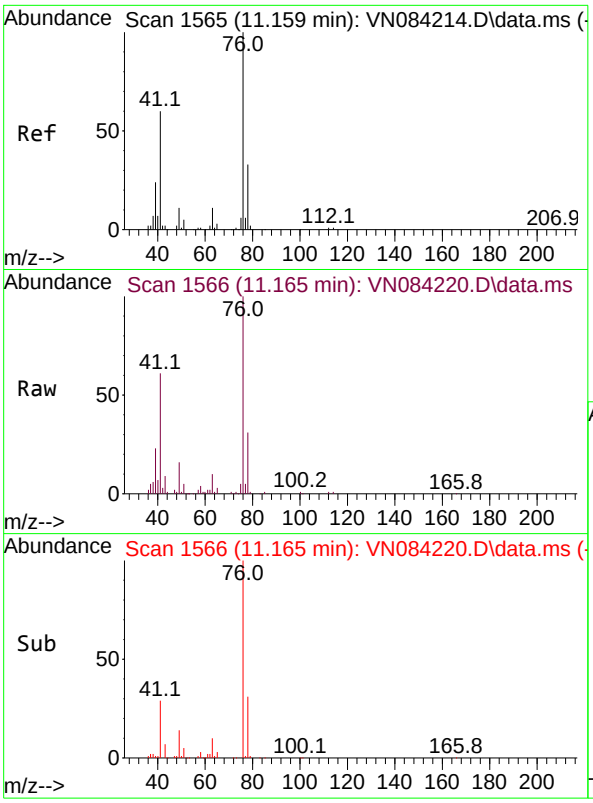


#56
Ethyl methacrylate
Concen: 58.561 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



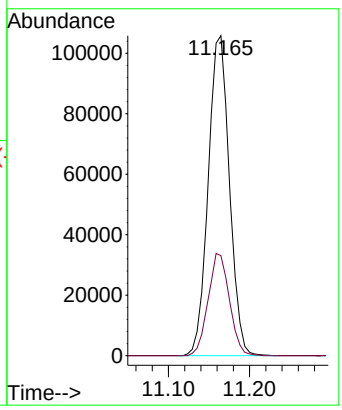


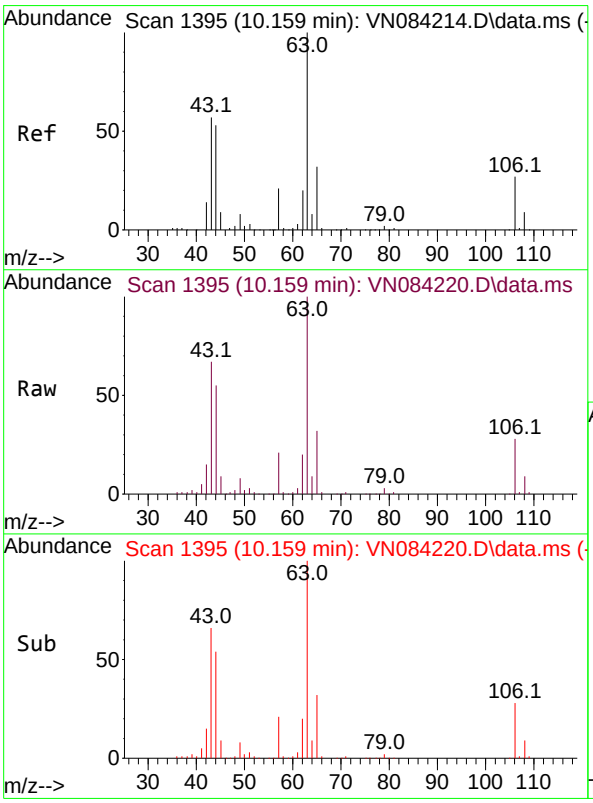
#57
1,3-Dichloropropane
Concen: 54.738 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 76 Resp: 191966

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

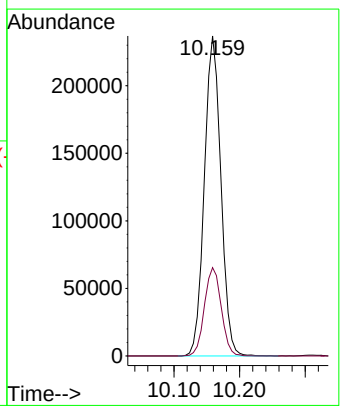


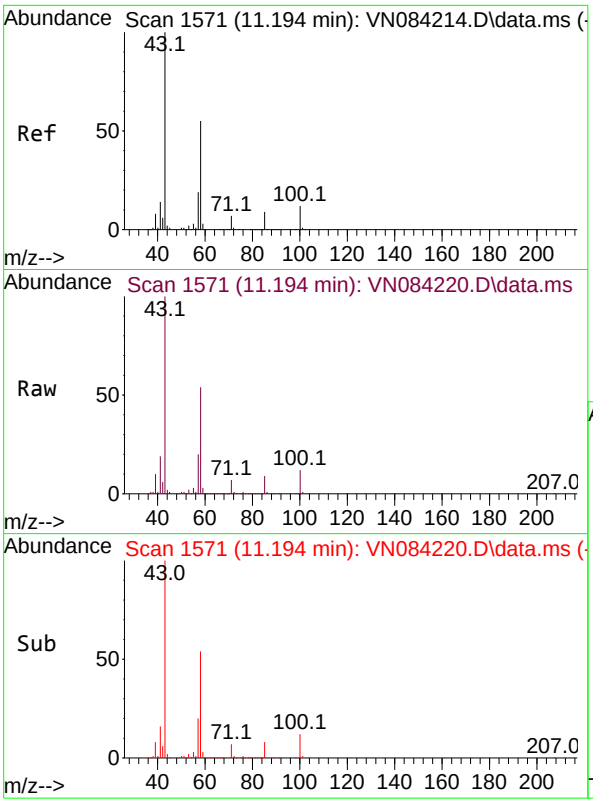


#58
2-Chloroethyl Vinyl ether
Concen: 277.315 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 63 Resp: 415454

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6



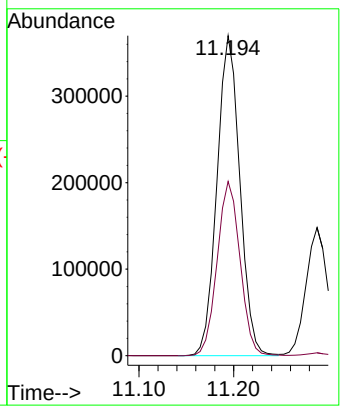


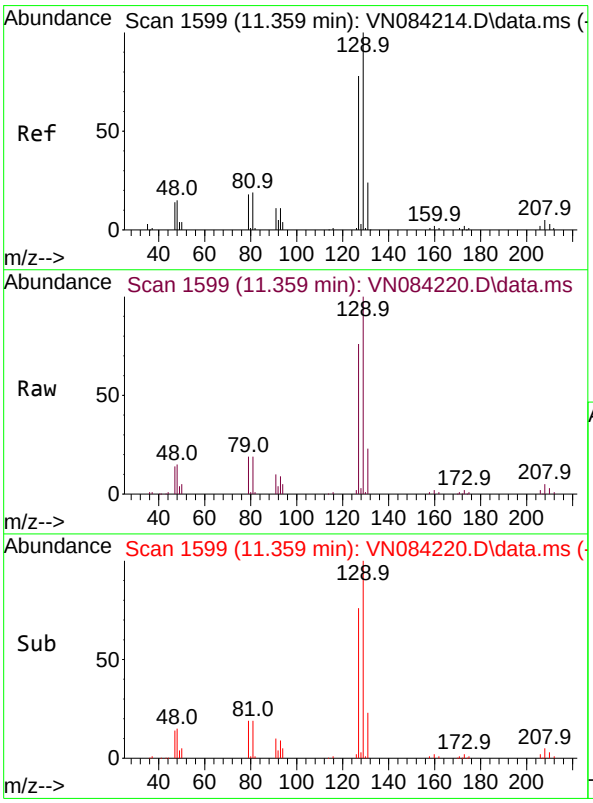
#59
2-Hexanone
Concen: 295.238 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 43 Resp: 621000

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.8

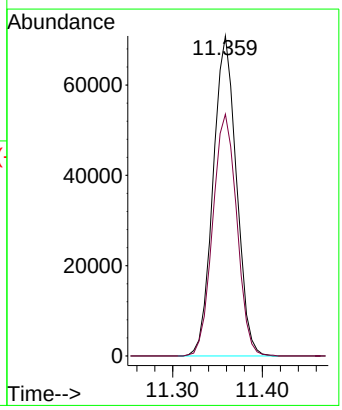


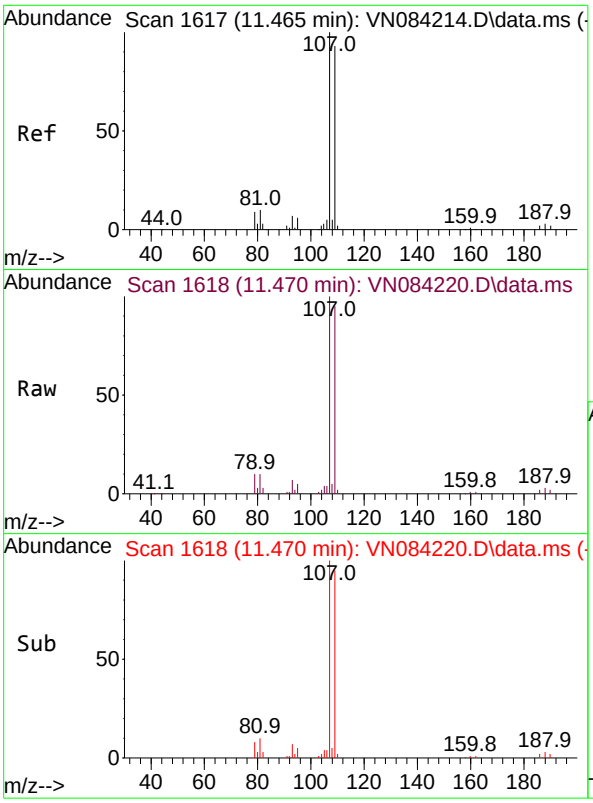


#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:129 Resp: 127786

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9



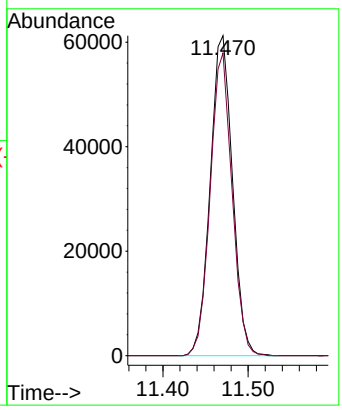


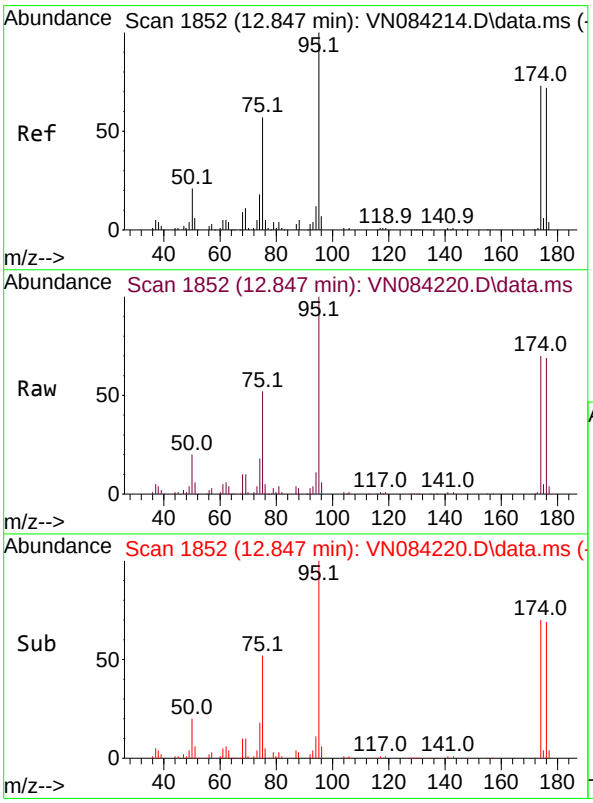
#61
1,2-Dibromoethane
Concen: 54.548 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:107 Resp: 111244

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

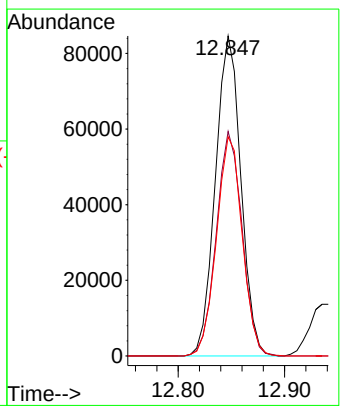


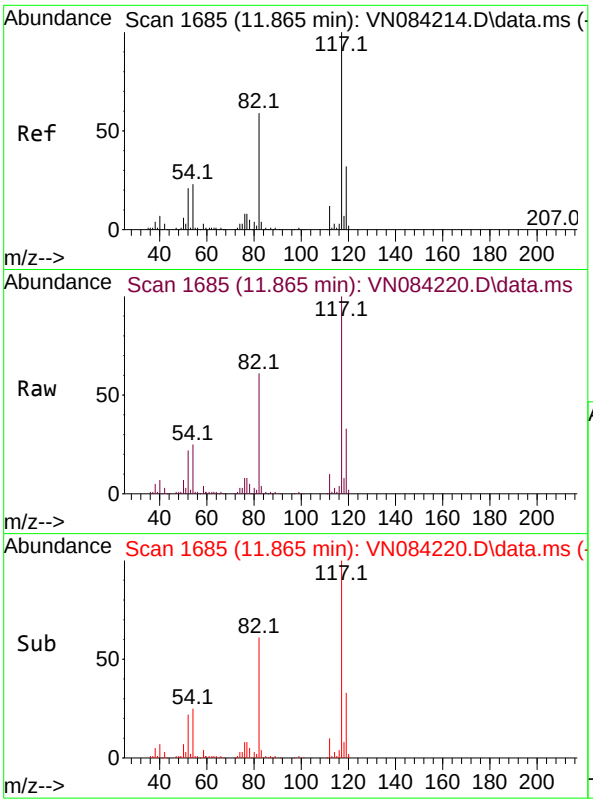


#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



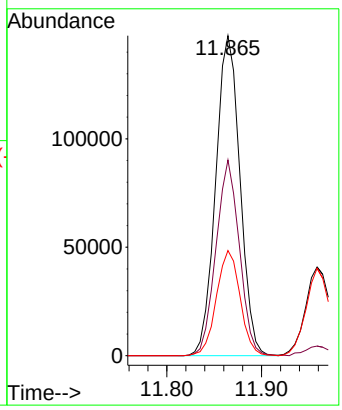


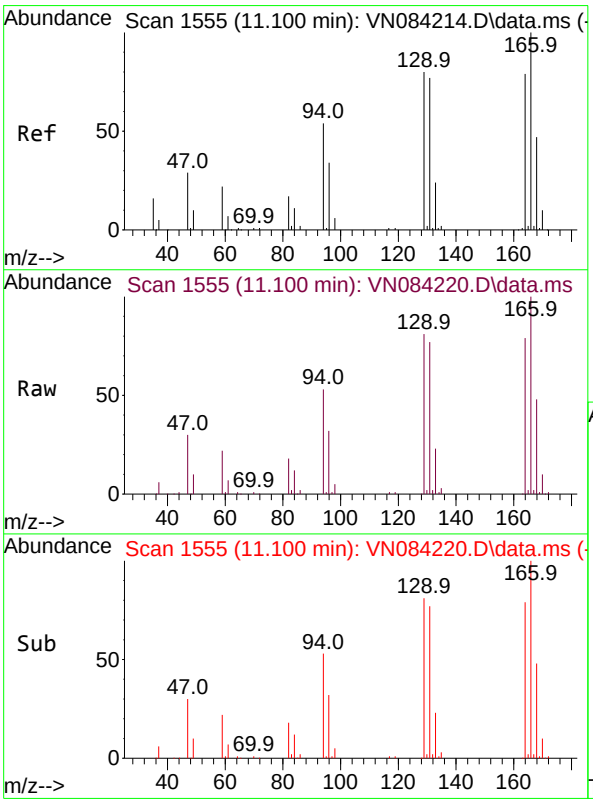
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

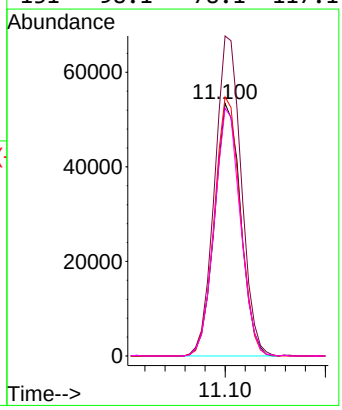


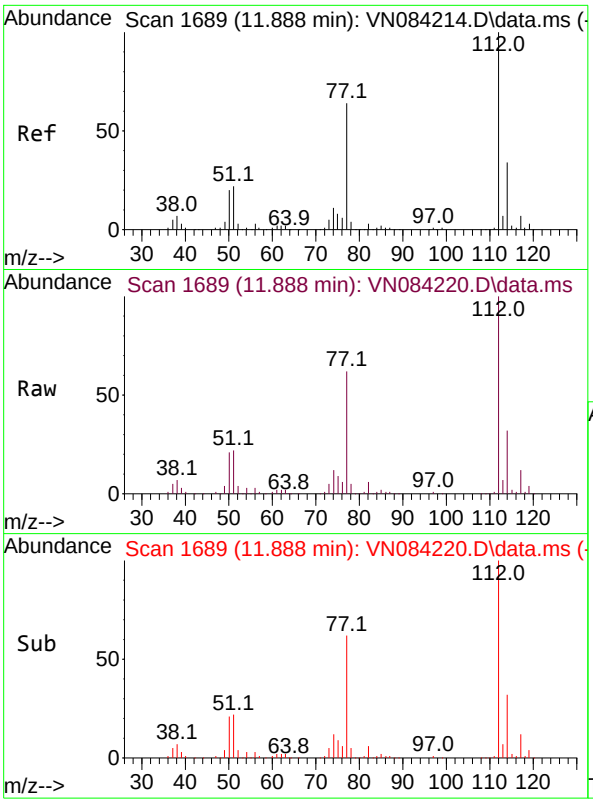


#64
Tetrachloroethene
Concen: 52.585 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



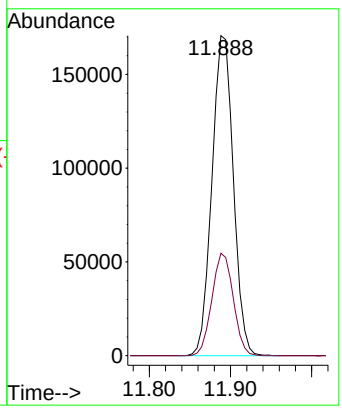


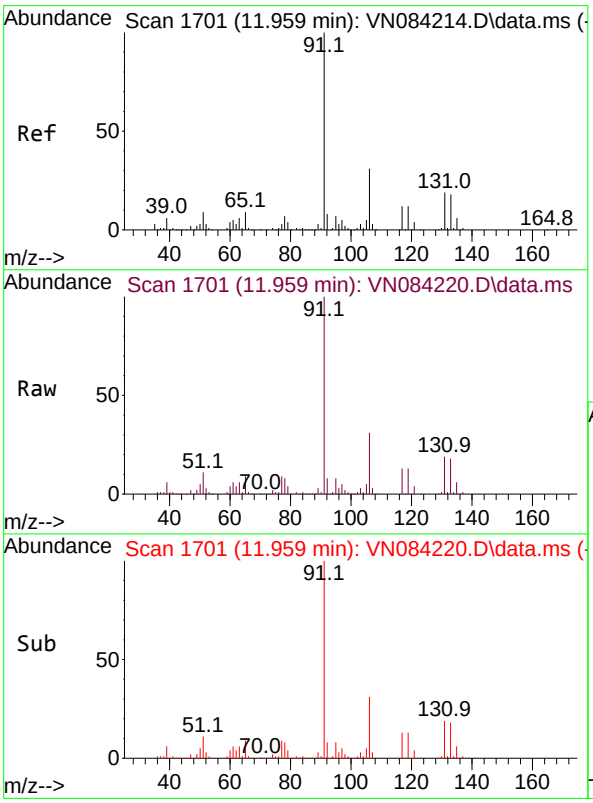
#65
Chlorobenzene
Concen: 53.555 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:112 Resp: 312728

Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.0	40.6

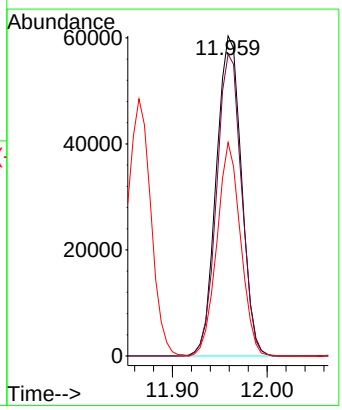


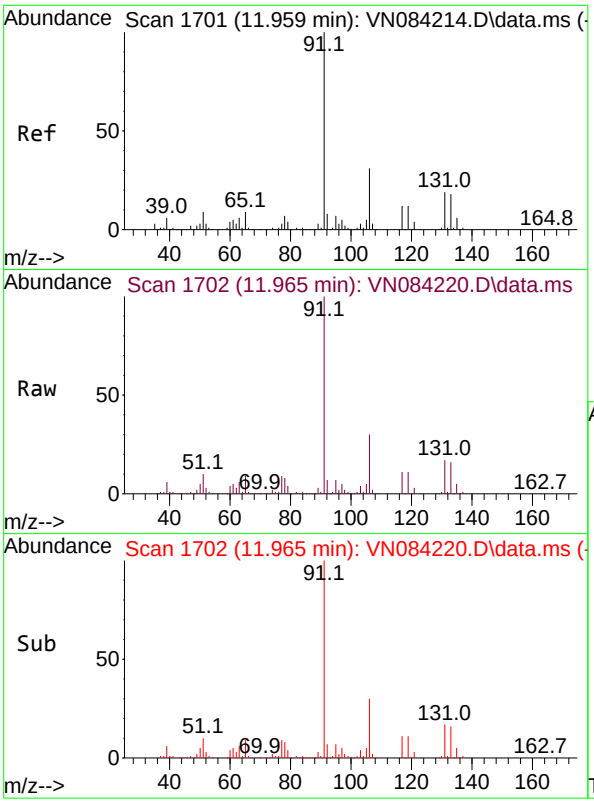


#66
1,1,1,2-Tetrachloroethane
Concen: 55.381 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



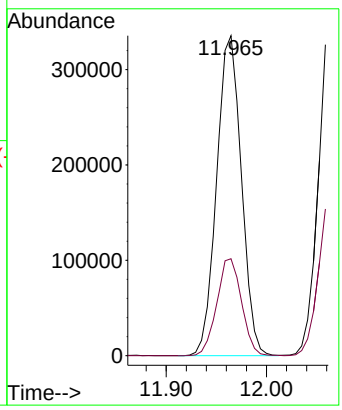


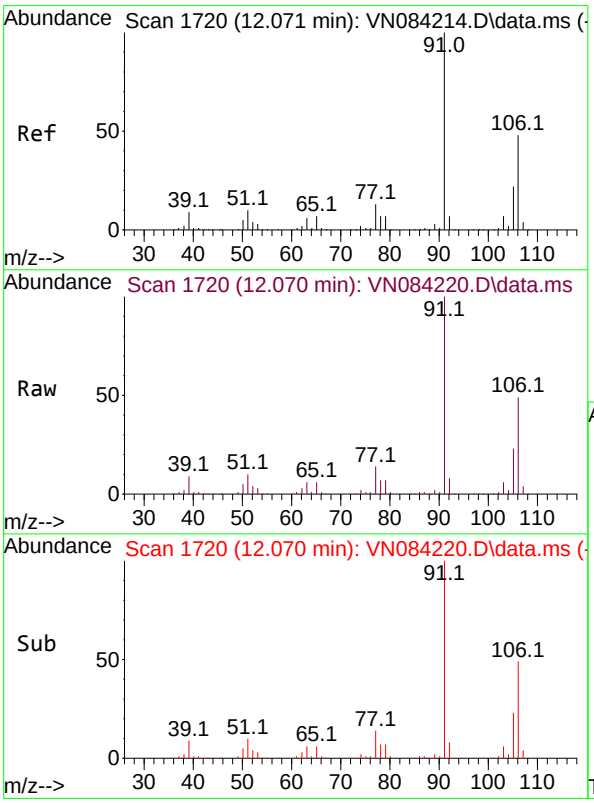
#67
Ethyl Benzene
Concen: 55.563 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 573790

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

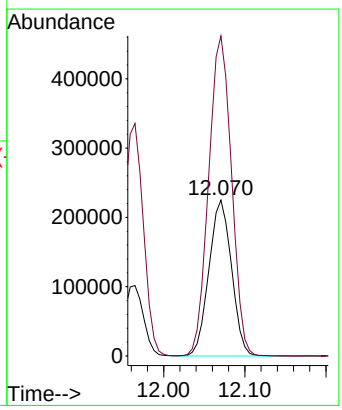


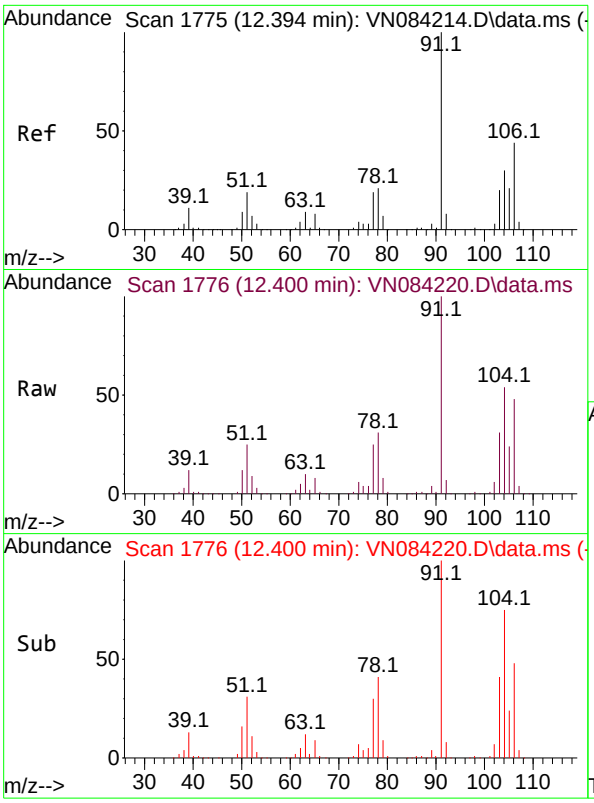


#68
m/p-Xylenes
Concen: 113.748 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:106 Resp: 434515

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.1	250.7



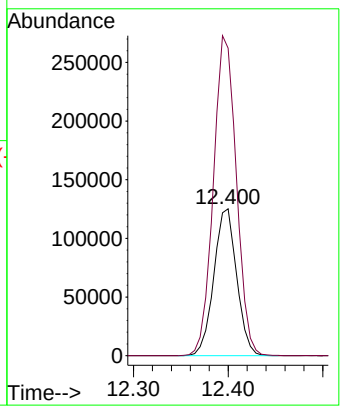


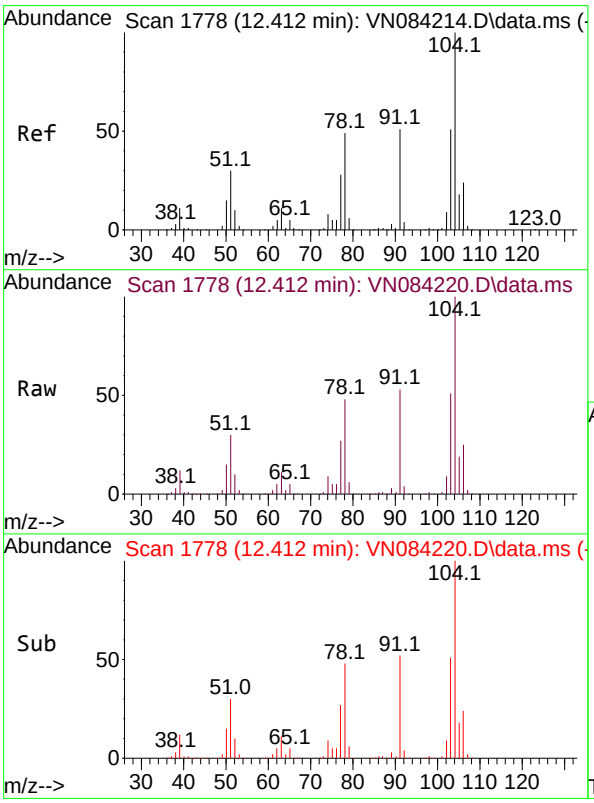
#69
o-Xylene
Concen: 58.032 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:106 Resp: 209737

Ion	Ratio	Lower	Upper
106	100		
91	219.4	110.2	330.6

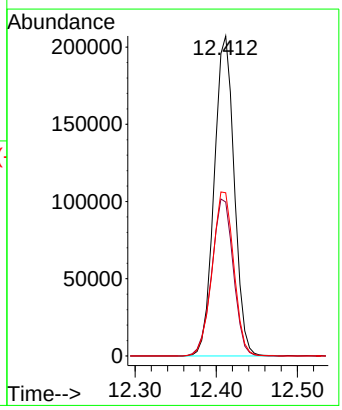


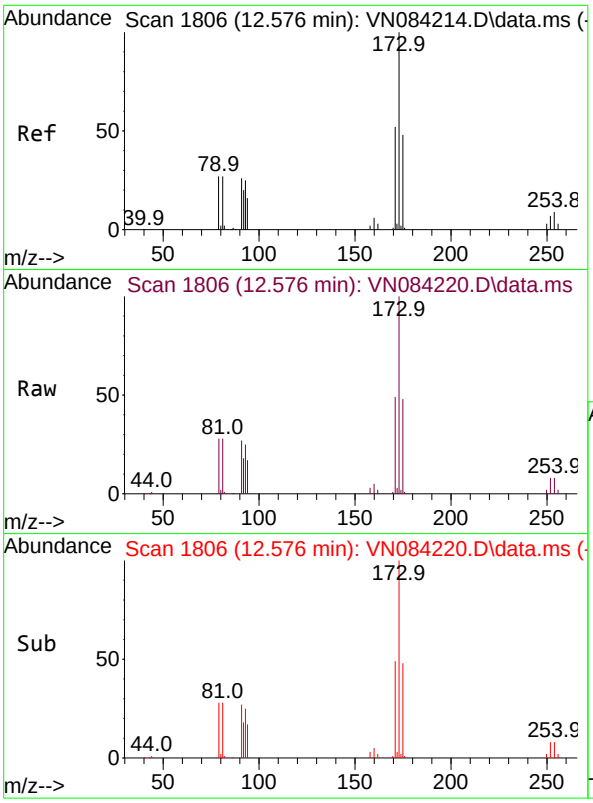


#70
Styrene
Concen: 58.136 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



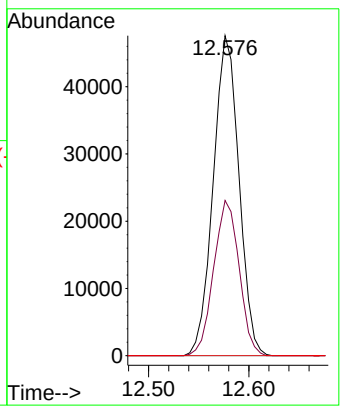


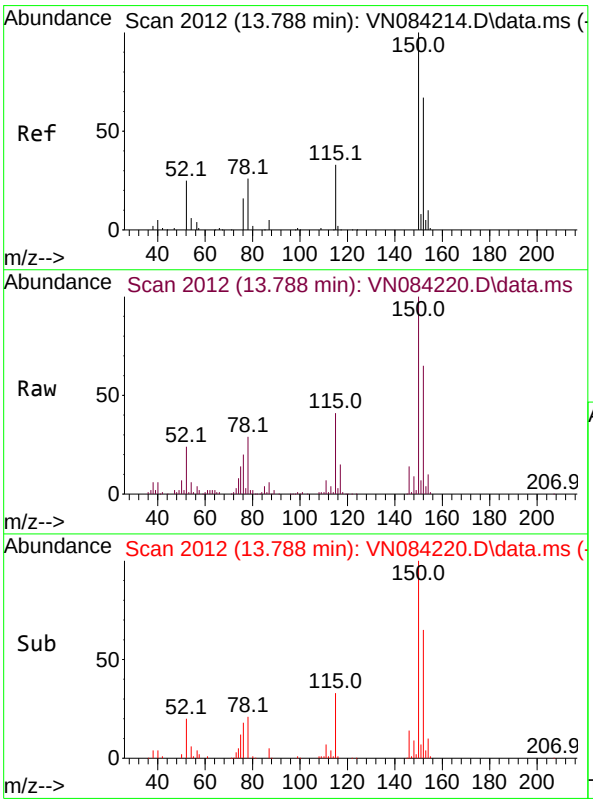
#71
Bromoform
Concen: 57.258 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

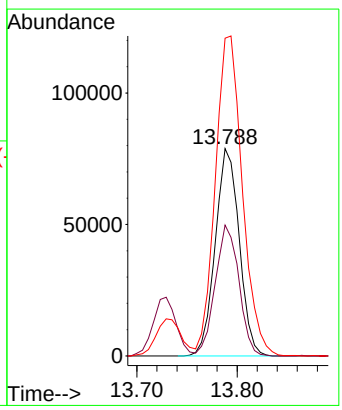


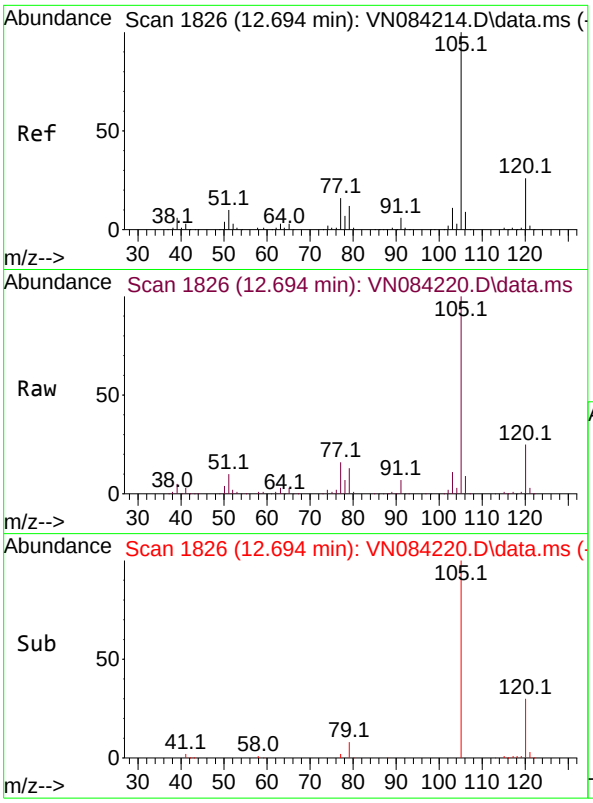


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



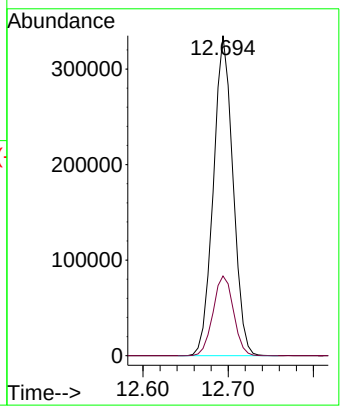


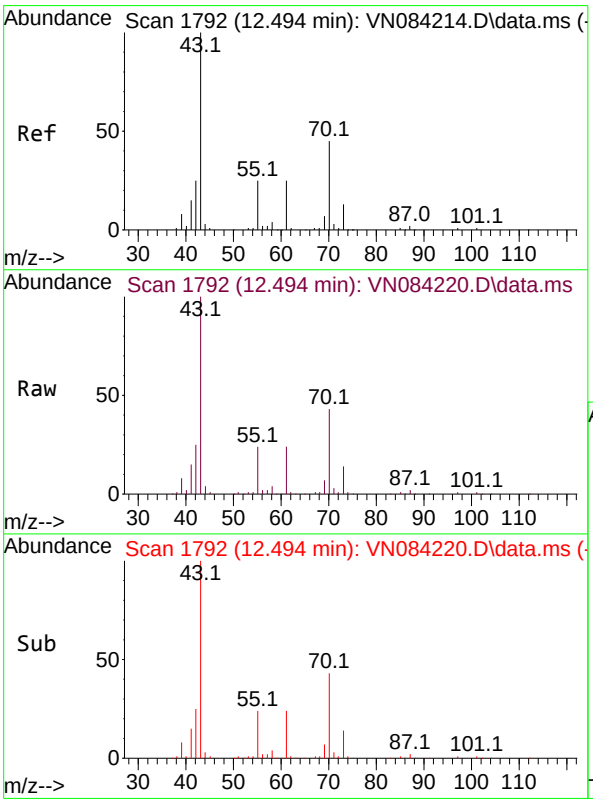
#73
Isopropylbenzene
Concen: 53.604 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:105 Resp: 535240

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

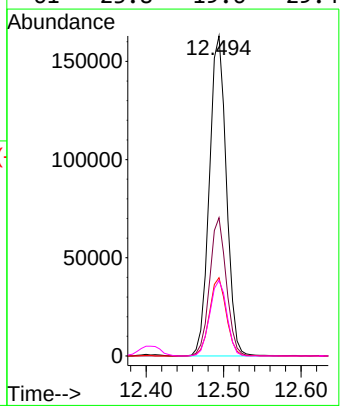


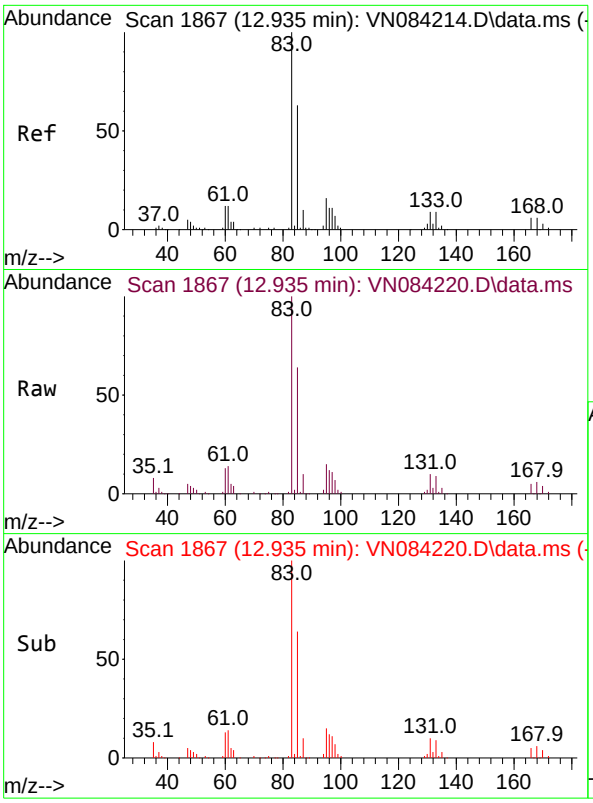


#74
N-amyl acetate
Concen: 55.118 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



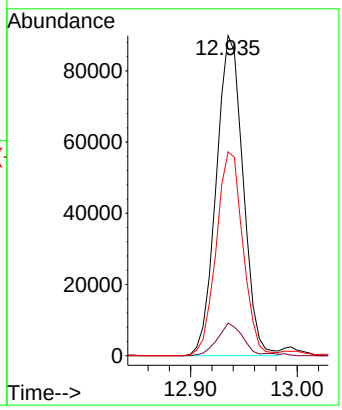


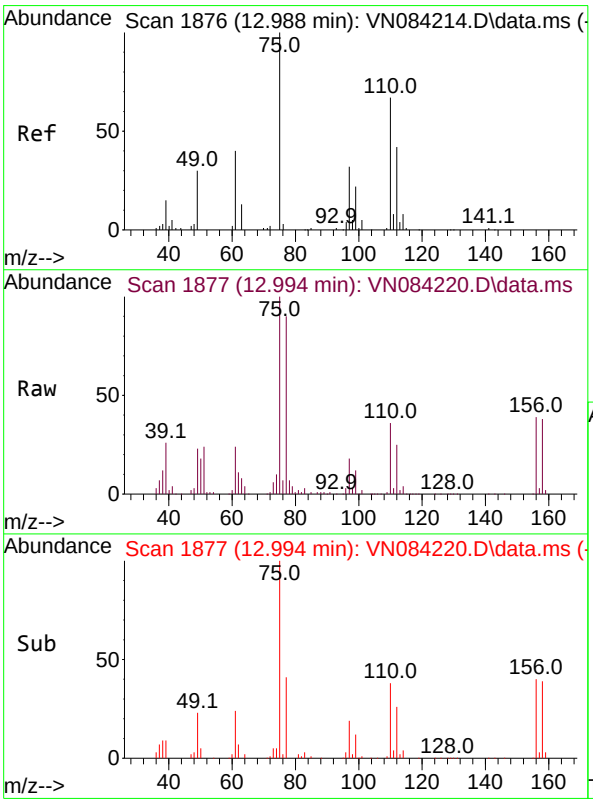
#75
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

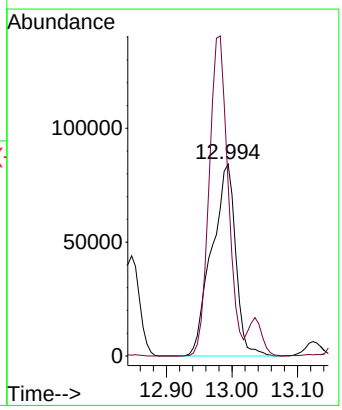


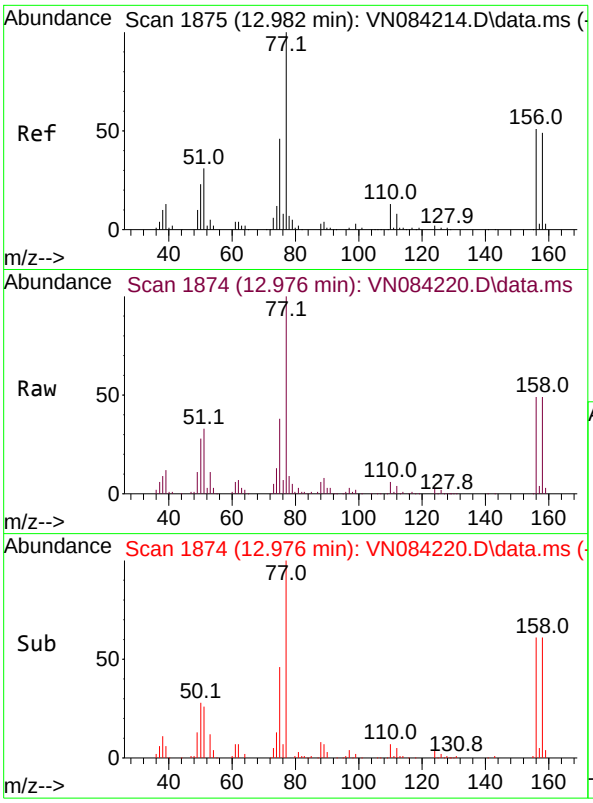


#76
1,2,3-Trichloropropane
Concen: 79.795 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 75 Resp: 213162

Ion	Ratio	Lower	Upper
75	100		
77	131.8	96.9	290.7



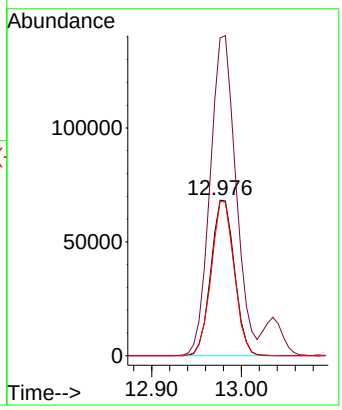


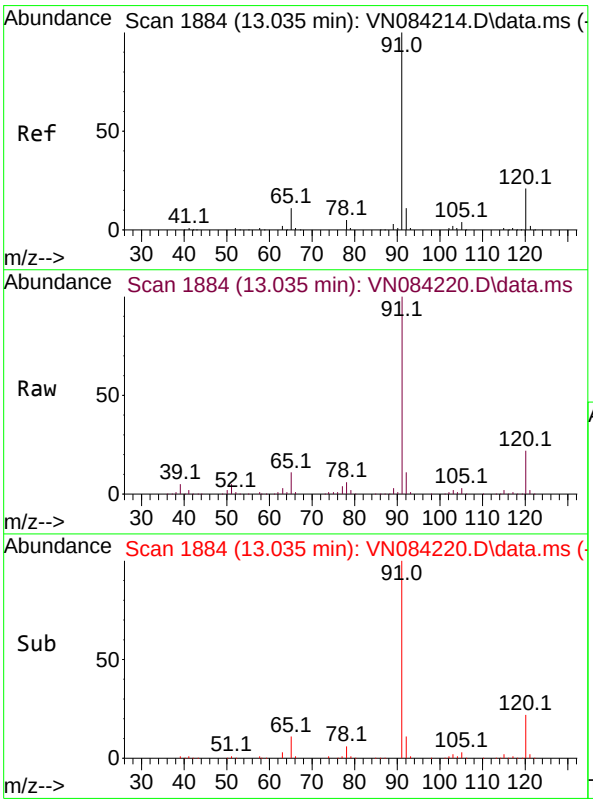
#77
Bromobenzene
Concen: 51.676 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

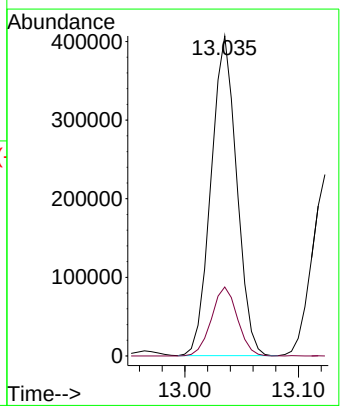


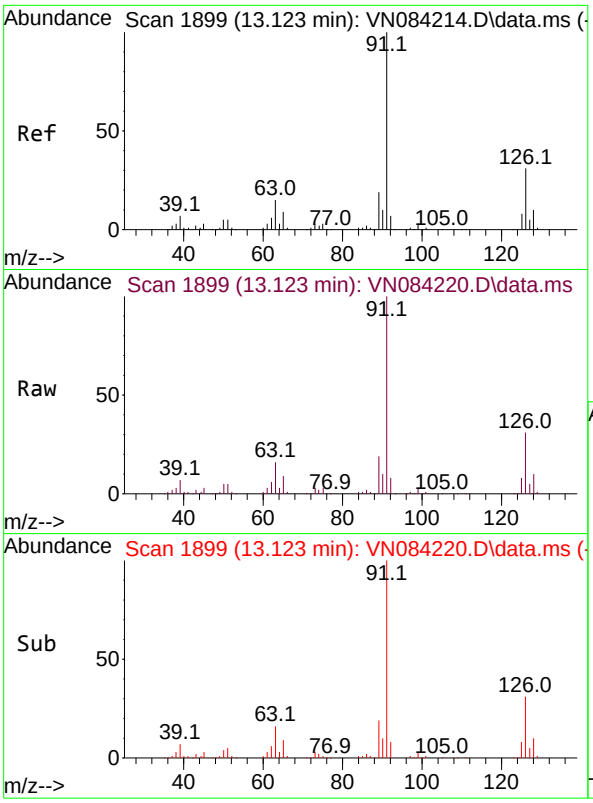


#78
n-propylbenzene
Concen: 55.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 638464

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



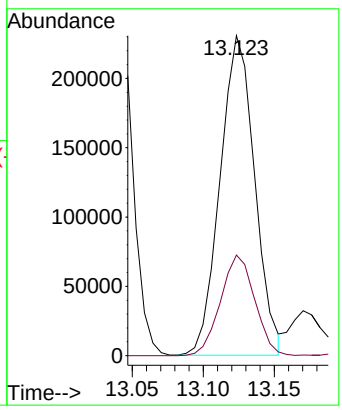


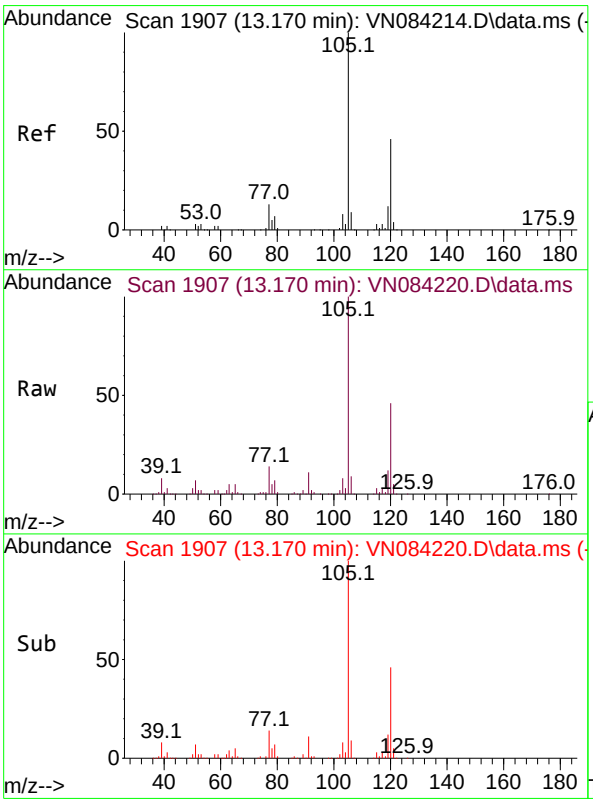
#79
2-Chlorotoluene
Concen: 52.898 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion: 91 Resp: 390502

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1

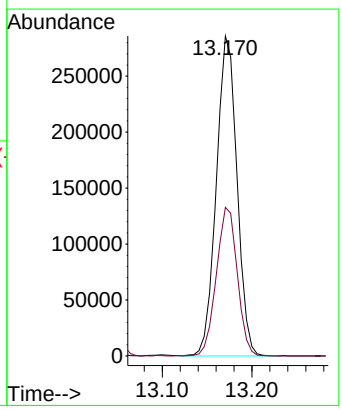


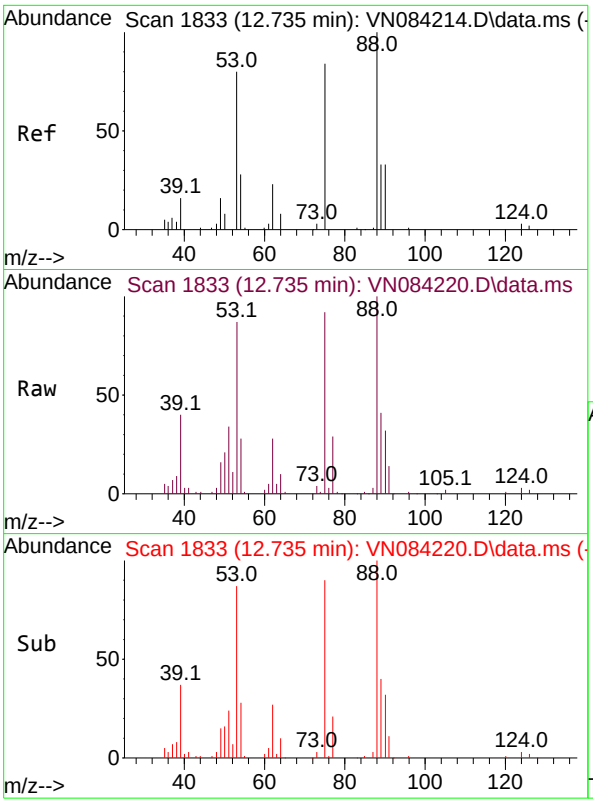


#80
1,3,5-Trimethylbenzene
Concen: 56.101 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 456943

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.7	71.1



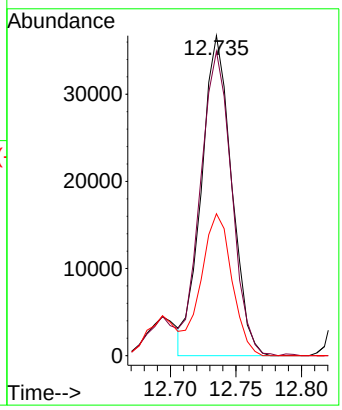


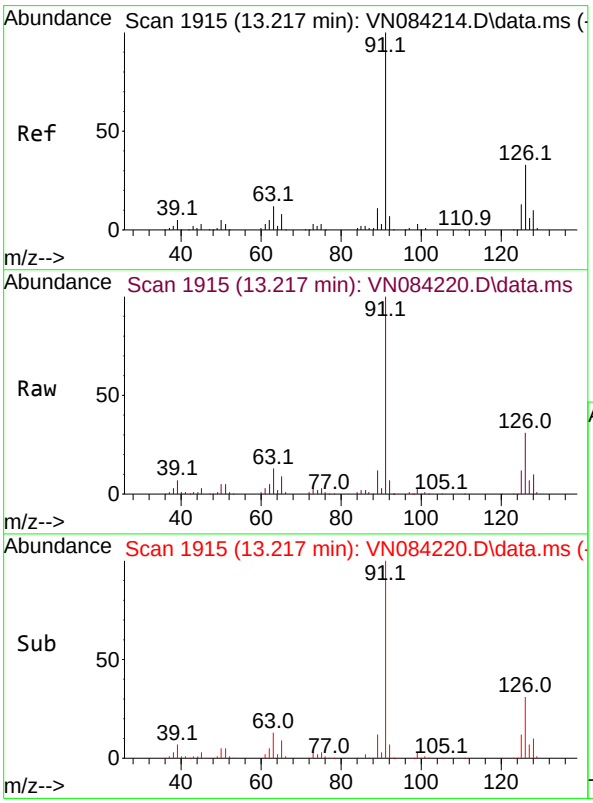
#81
trans-1,4-Dichloro-2-butene
Concen: 52.939 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

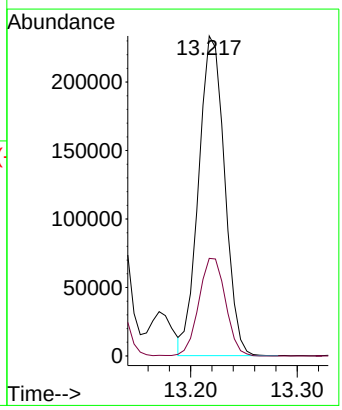


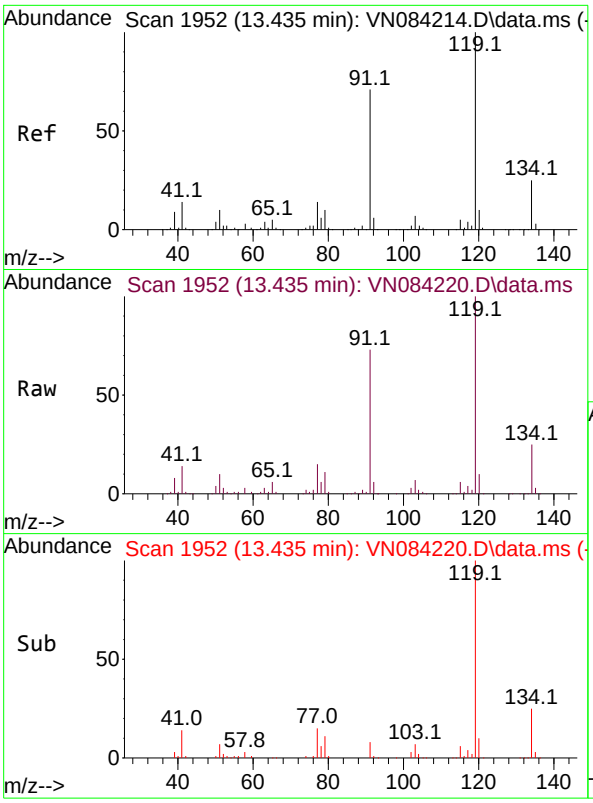


#82
4-Chlorotoluene
Concen: 53.455 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion: 91 Resp: 397246

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



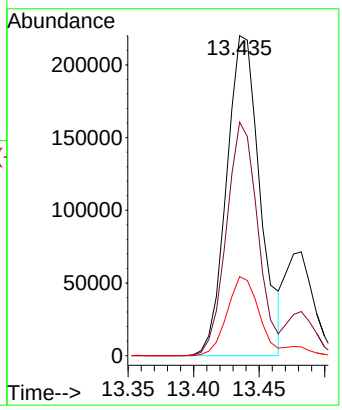


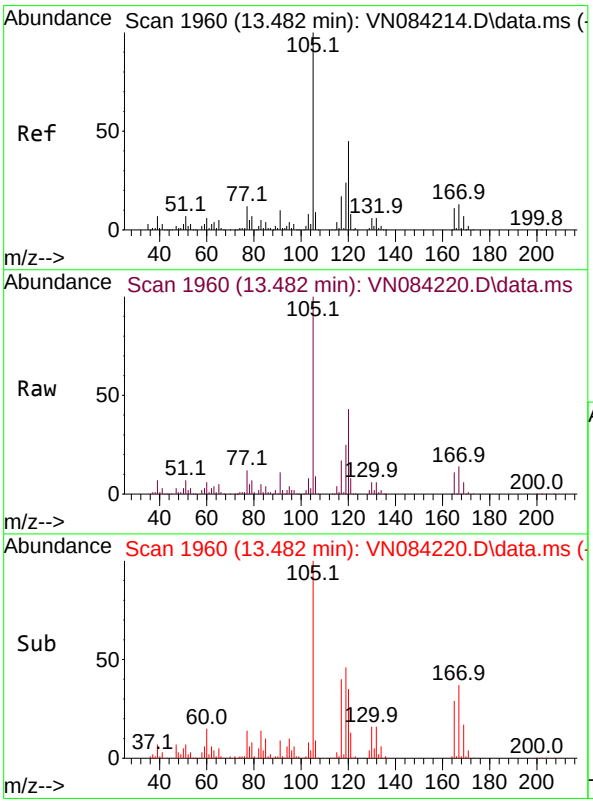
#83
tert-Butylbenzene
Concen: 53.903 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

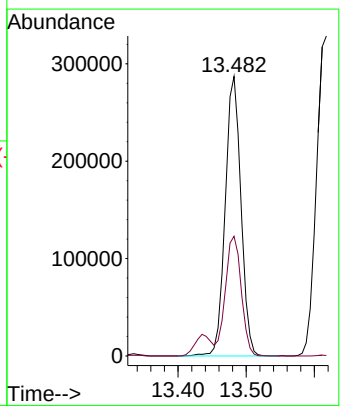


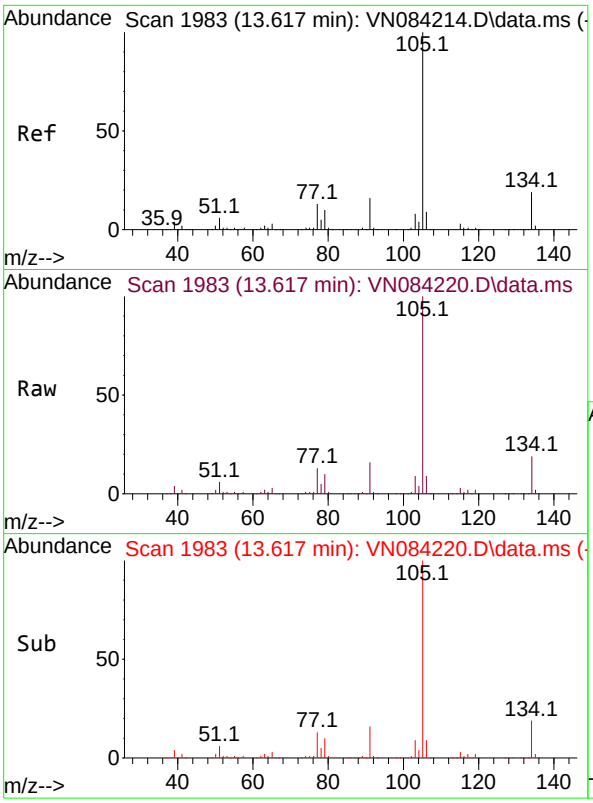


#84
1,2,4-Trimethylbenzene
Concen: 56.199 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:105 Resp: 461123

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8



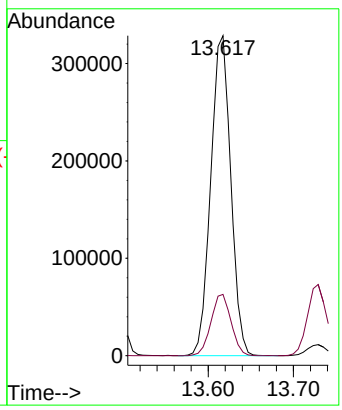


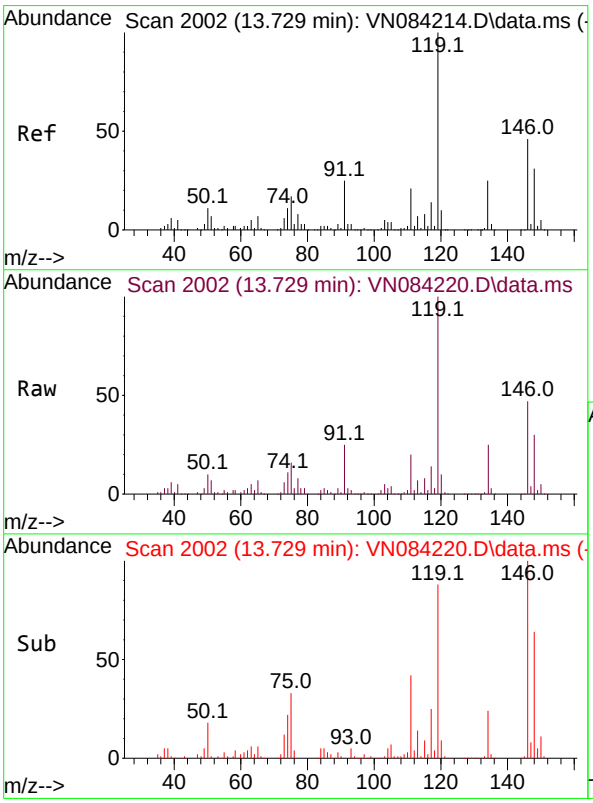
#85
sec-Butylbenzene
Concen: 55.556 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN093024

Tgt Ion:105 Resp: 536685

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

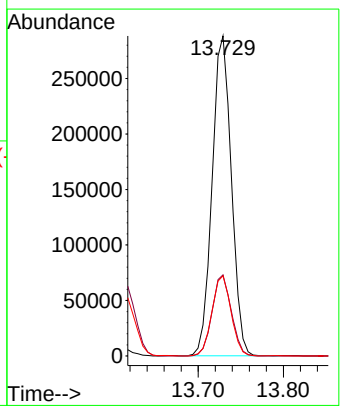


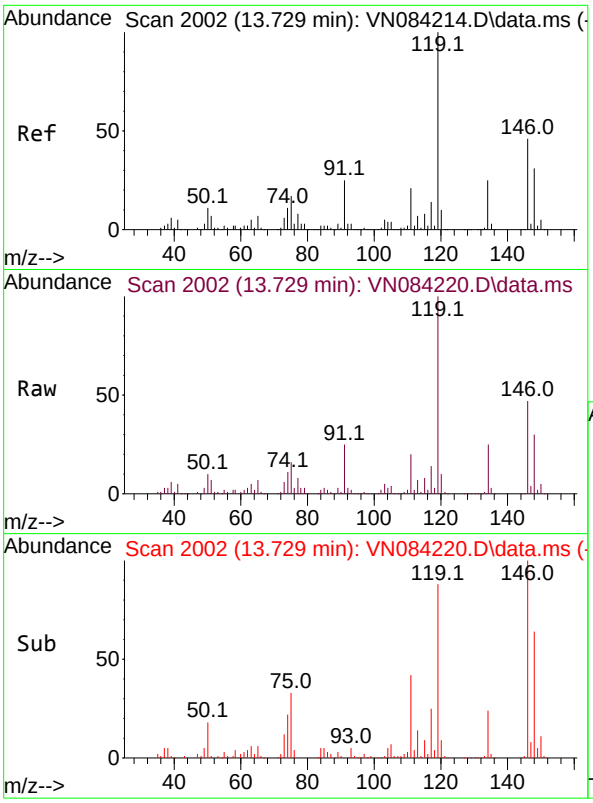


#86
p-Isopropyltoluene
Concen: 56.614 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



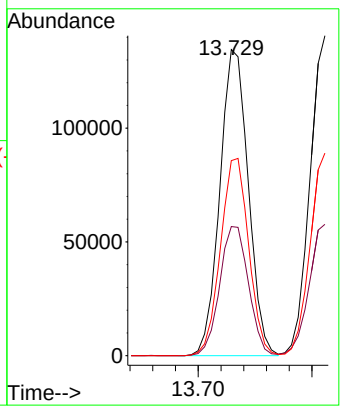


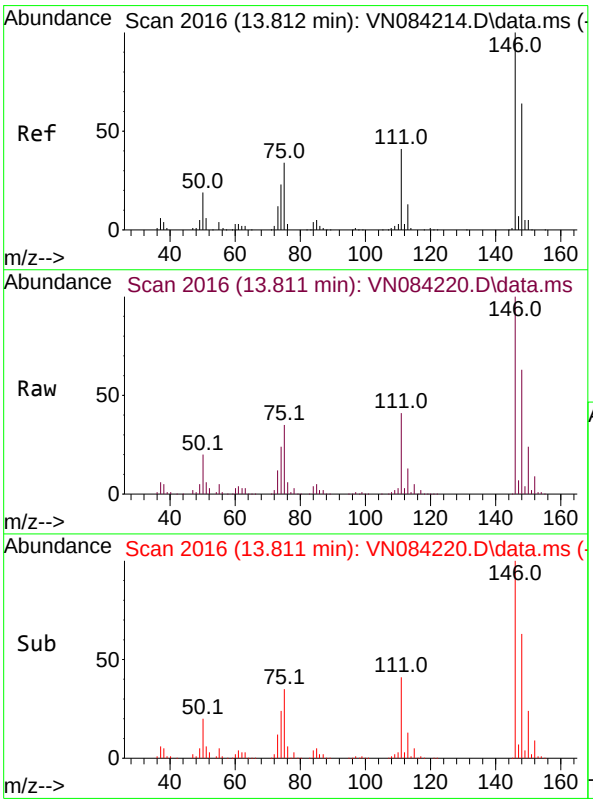
#87
1,3-Dichlorobenzene
Concen: 51.830 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

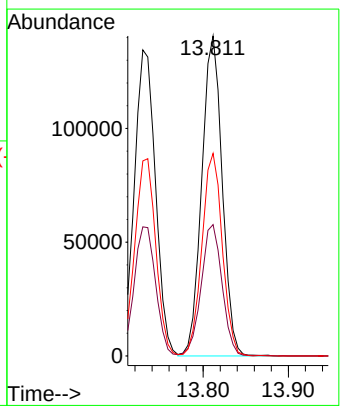


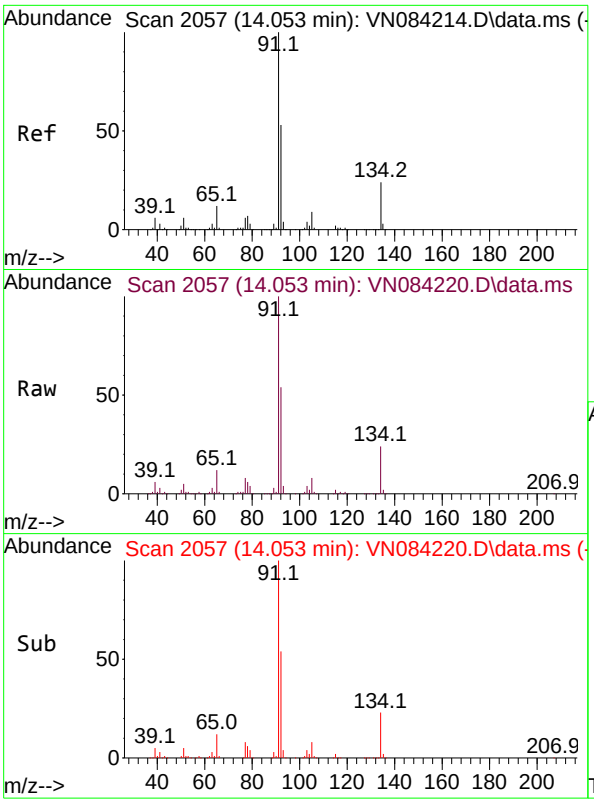


#88
1,4-Dichlorobenzene
Concen: 51.298 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



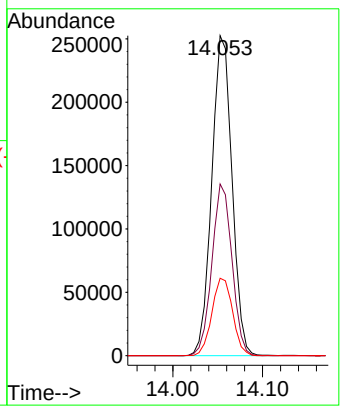


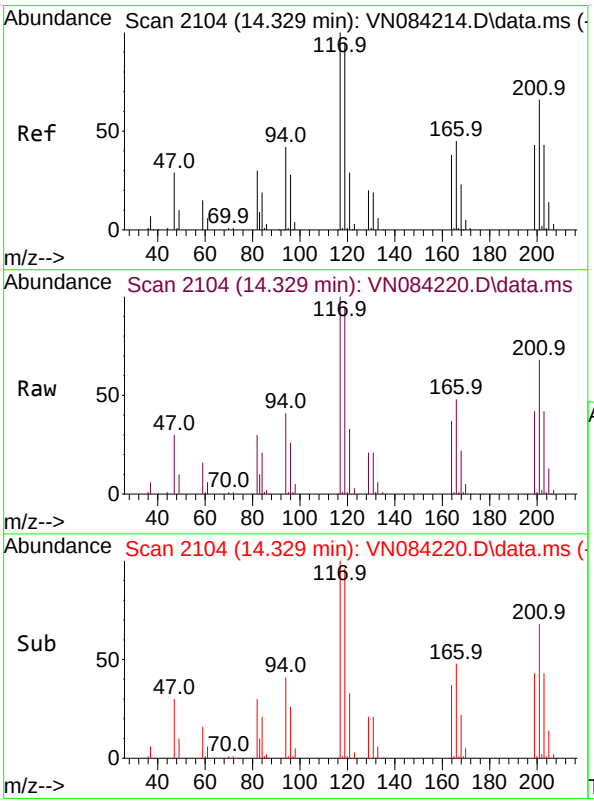
#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

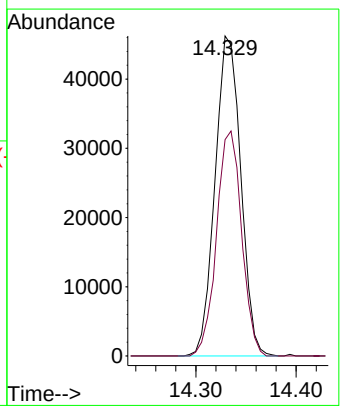


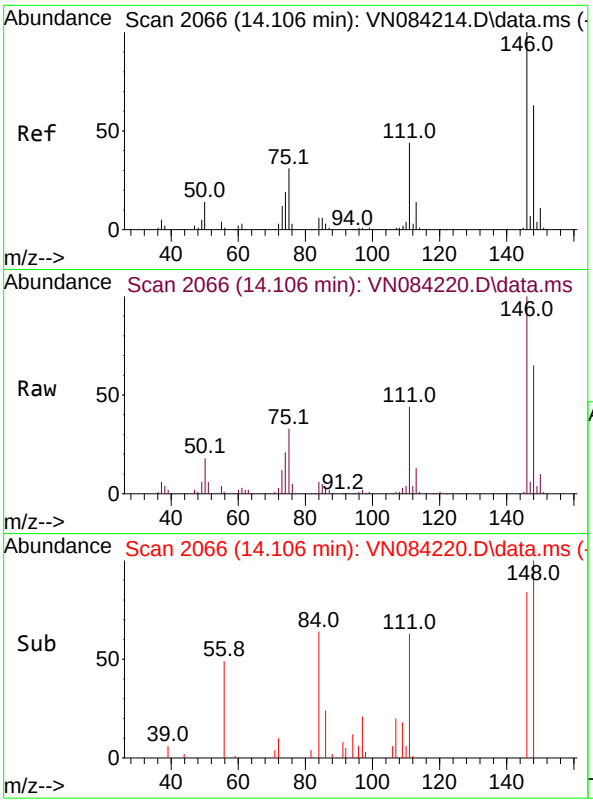


#90
Hexachloroethane
Concen: 50.795 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

Tgt Ion:117 Resp: 82363

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.4	103.2



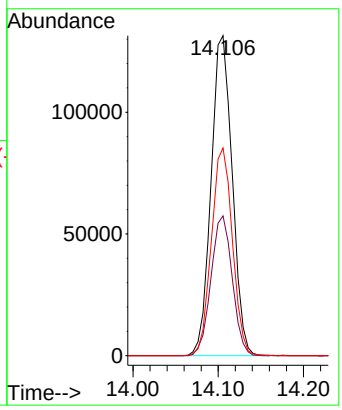


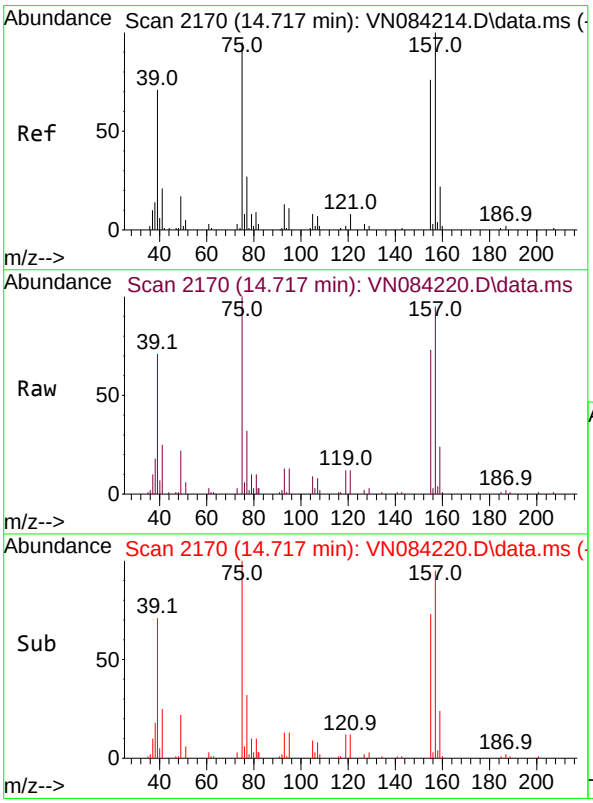
#91
1,2-Dichlorobenzene
Concen: 51.082 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

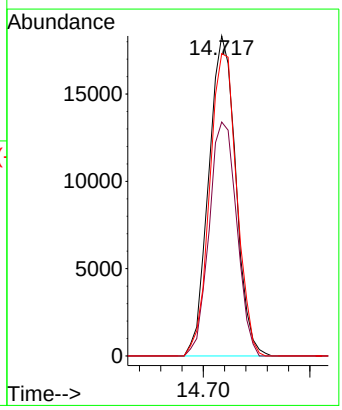


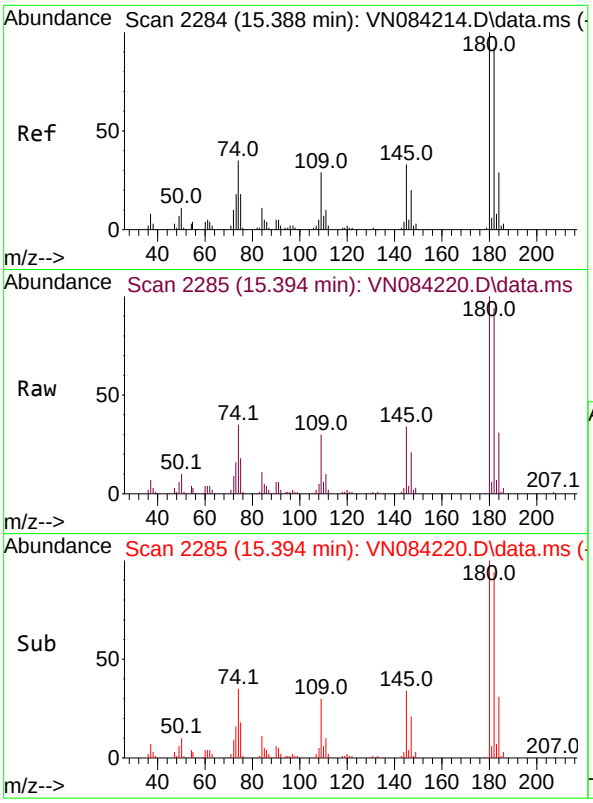


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



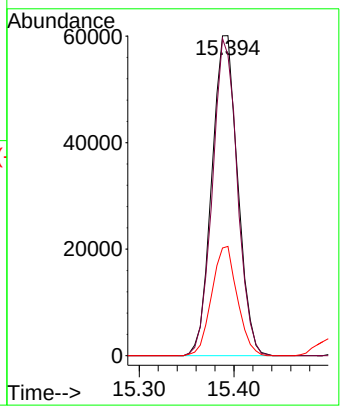


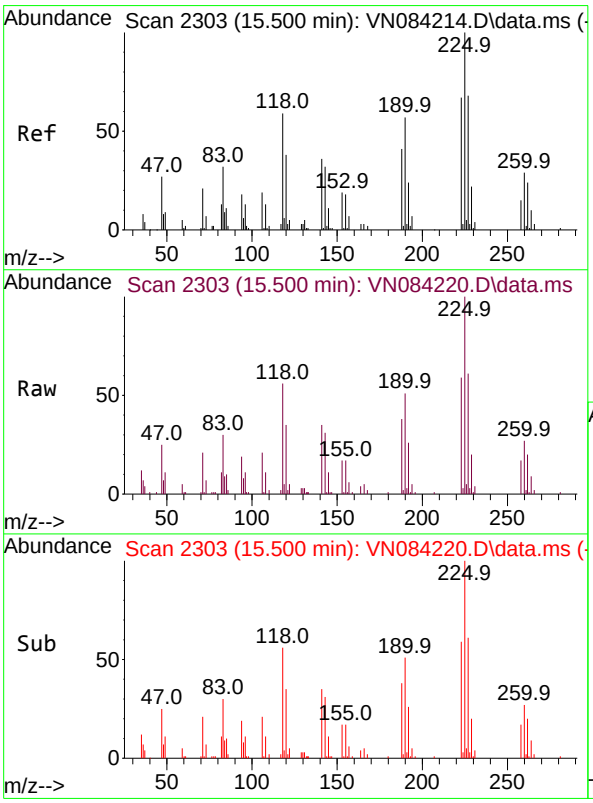
#93
1,2,4-Trichlorobenzene
Concen: 52.311 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

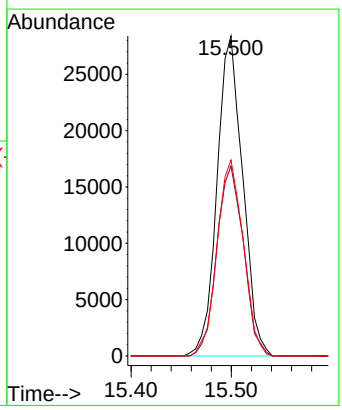


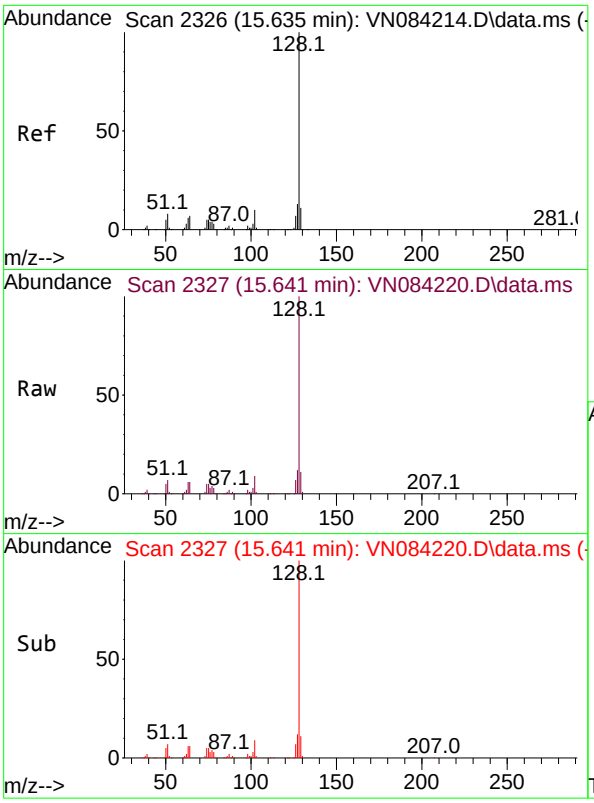


#94
Hexachlorobutadiene
Concen: 46.368 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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



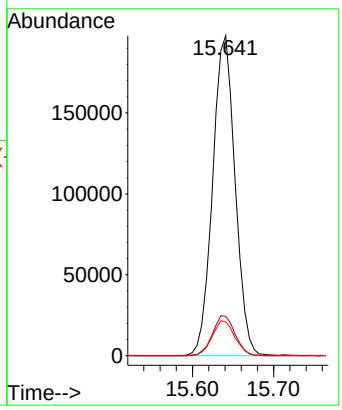


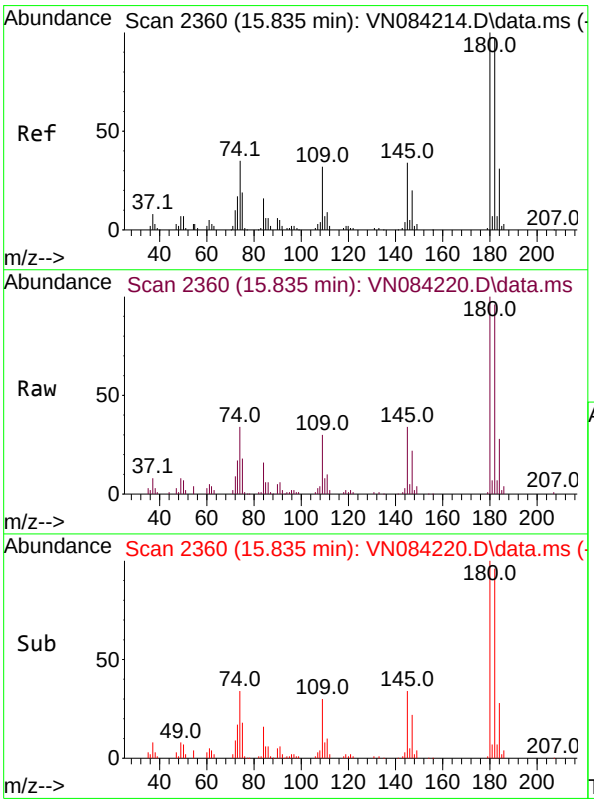
#95
Naphthalene
Concen: 52.602 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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

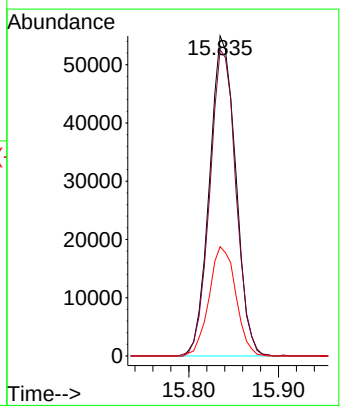




#96
1,2,3-Trichlorobenzene
Concen: 50.853 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084220.D
Acq: 30 Sep 2024 15:36

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\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	157355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124506	53.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.740%			
35) Dibromofluoromethane	8.165	113	101751	58.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.460%			
50) Toluene-d8	10.565	98	376165	59.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 118.020%#			
62) 4-Bromofluorobenzene	12.847	95	137246	59.102	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	83308	44.759	ug/l	98
3) Chloromethane	2.359	50	94679	44.550	ug/l	98
4) Vinyl Chloride	2.512	62	93996	45.660	ug/l	97
5) Bromomethane	2.936	94	58206	42.866	ug/l	93
6) Chloroethane	3.106	64	63113	42.808	ug/l	94
7) Trichlorofluoromethane	3.489	101	164207	51.224	ug/l	99
8) Diethyl Ether	3.959	74	59329	49.902	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	94908	51.670	ug/l	99
10) Methyl Iodide	4.583	142	116312	49.171	ug/l	96
11) Tert butyl alcohol	5.530	59	94486	245.606	ug/l	100
12) 1,1-Dichloroethene	4.342	96	89116	50.300	ug/l	98
13) Acrolein	4.177	56	85169	192.843	ug/l	100
14) Allyl chloride	5.018	41	134288	43.643	ug/l	98
15) Acrylonitrile	5.718	53	275307	283.386	ug/l	99
16) Acetone	4.430	43	249463	248.905	ug/l	100
17) Carbon Disulfide	4.706	76	224021	39.937	ug/l	99
18) Methyl Acetate	5.024	43	143956	65.900	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	319663	53.457	ug/l	98
20) Methylene Chloride	5.271	84	105509	51.787	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	93324	50.278	ug/l	94
22) Diisopropyl ether	6.671	45	336994	52.949	ug/l	99
23) Vinyl Acetate	6.606	43	1190800	252.258	ug/l	100
24) 1,1-Dichloroethane	6.571	63	187107	52.570	ug/l	98
25) 2-Butanone	7.483	43	367222	269.013	ug/l	99
26) 2,2-Dichloropropane	7.488	77	159617	49.738	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	118267	52.728	ug/l	96
28) Bromochloromethane	7.812	49	83905	52.836	ug/l	93
29) Tetrahydrofuran	7.841	42	238619	283.258	ug/l	98
30) Chloroform	7.965	83	201405	54.476	ug/l	98
31) Cyclohexane	8.259	56	150876	43.659	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	175417	52.830	ug/l	98
36) 1,1-Dichloropropene	8.371	75	130914	52.021	ug/l	98
37) Ethyl Acetate	7.559	43	137280	53.172	ug/l	98
38) Carbon Tetrachloride	8.359	117	149628	54.202	ug/l	97
39) Methylcyclohexane	9.600	83	137117	48.955	ug/l	97
40) Benzene	8.606	78	429647	54.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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	79086	56.424	ug/l		96
42) 1,2-Dichloroethane	8.671	62	144178	54.240	ug/l		99
43) Isopropyl Acetate	8.688	43	233616	46.197	ug/l		98
44) Trichloroethene	9.353	130	98494	53.784	ug/l		100
45) 1,2-Dichloropropane	9.618	63	105490	56.873	ug/l		96
46) Dibromomethane	9.706	93	74735	59.706	ug/l		98
47) Bromodichloromethane	9.888	83	159166	57.235	ug/l	#	96
48) Methyl methacrylate	9.682	41	112649	55.960	ug/l		99
49) 1,4-Dioxane	9.694	88	46681	1259.594	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	757152	308.066	ug/l		99
52) Toluene	10.629	92	268859	56.231	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	157928	55.712	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	171021	56.089	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	104404	60.910	ug/l		97
56) Ethyl methacrylate	10.871	69	164383	58.283	ug/l		96
57) 1,3-Dichloropropane	11.165	76	176631	57.670	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	397738	303.996	ug/l		97
59) 2-Hexanone	11.194	43	560104	304.908	ug/l		97
60) Dibromochloromethane	11.359	129	122440	60.458	ug/l		99
61) 1,2-Dibromoethane	11.471	107	102008	57.274	ug/l		100
64) Tetrachloroethene	11.100	164	89495	52.523	ug/l		97
65) Chlorobenzene	11.888	112	289014	53.283	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	103631	55.468	ug/l		98
67) Ethyl Benzene	11.965	91	506469	52.799	ug/l		99
68) m/p-Xylenes	12.071	106	394932	111.301	ug/l		99
69) o-Xylene	12.394	106	187215	55.767	ug/l		100
70) Styrene	12.412	104	331204	58.246	ug/l		98
71) Bromoform	12.576	173	81253	59.072	ug/l	#	100
73) Isopropylbenzene	12.694	105	484656	49.760	ug/l		100
74) N-amyl acetate	12.494	43	204351	46.332	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	152956	52.226	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	200192	76.826	ug/l		58
77) Bromobenzene	12.976	156	118952	50.631	ug/l		96
78) n-propylbenzene	13.035	91	576662	51.101	ug/l		98
79) 2-Chlorotoluene	13.123	91	354683	49.256	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	416797	52.460	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58513	53.835	ug/l		90
82) 4-Chlorotoluene	13.218	91	364438	50.275	ug/l		99
83) tert-Butylbenzene	13.435	119	352099	49.862	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	421969	52.722	ug/l		99
85) sec-Butylbenzene	13.617	105	492135	52.226	ug/l		99
86) p-Isopropyltoluene	13.729	119	412249	52.906	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	226954	51.493	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	223977	50.322	ug/l		99
89) n-Butylbenzene	14.053	91	349709	49.495	ug/l		99
90) Hexachloroethane	14.329	117	76242	48.204	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	220370	50.991	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30011	49.657	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109356	51.373	ug/l		99
94) Hexachlorobutadiene	15.500	225	50783	47.838	ug/l		96
95) Naphthalene	15.641	128	361412	51.214	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	110846	52.021	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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

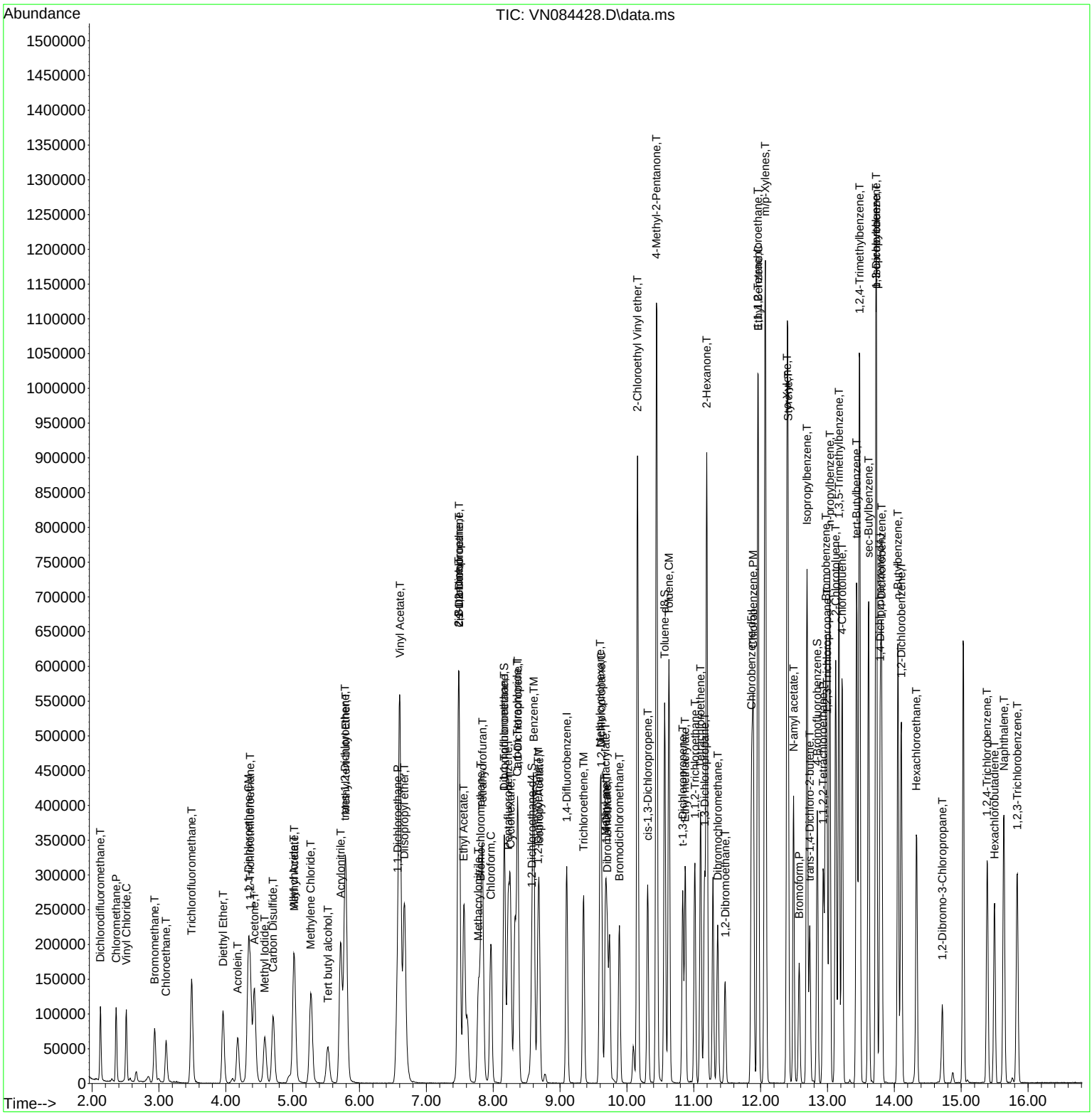
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

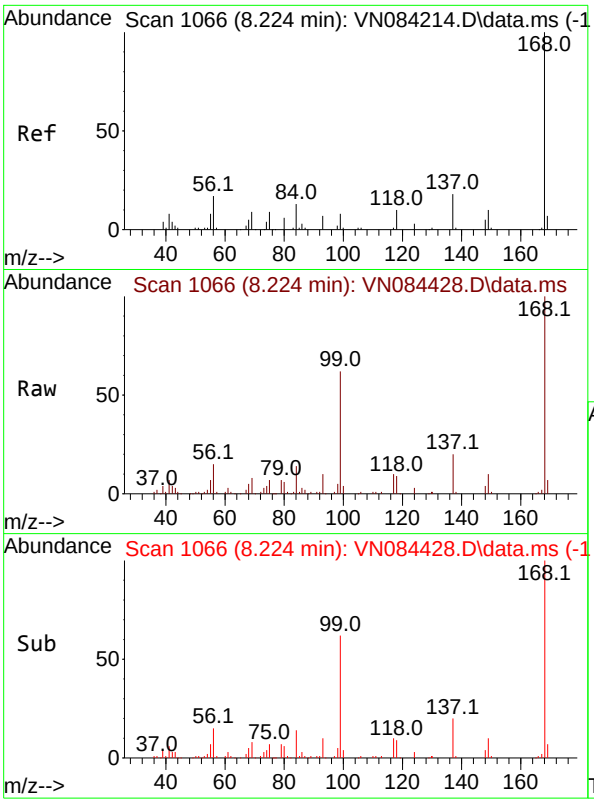
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084428.D
Acq On : 21 Oct 2024 11:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 22 01:29:31 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



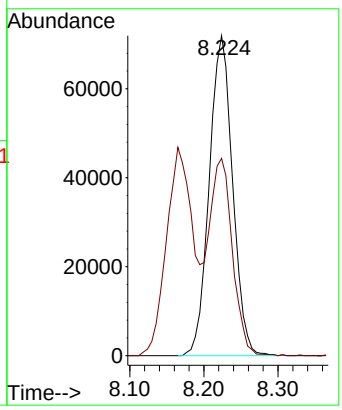


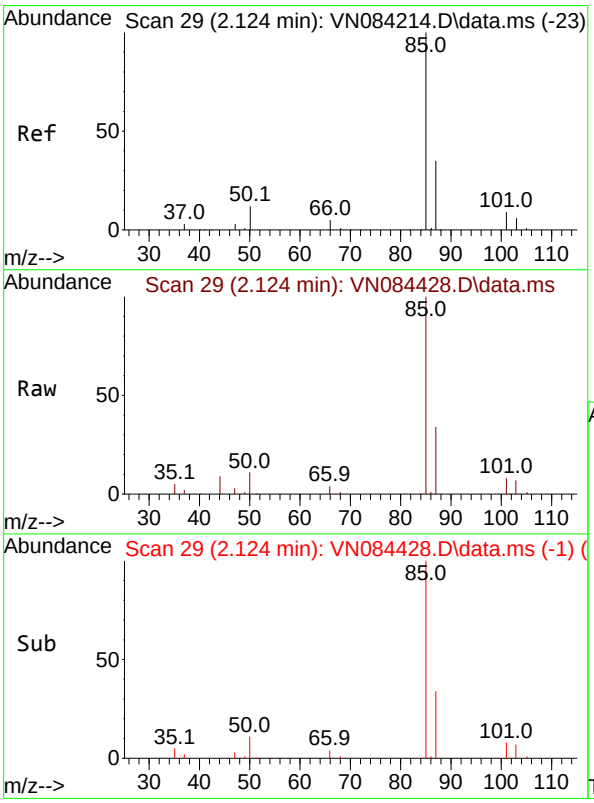
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 157355

Ion	Ratio	Lower	Upper
168	100		
99	61.7	54.2	81.2

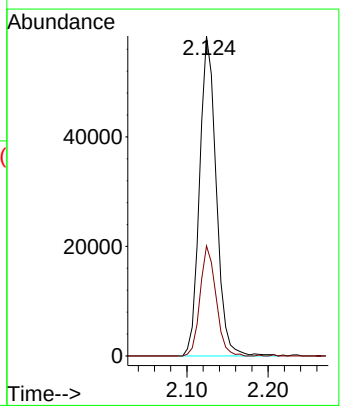


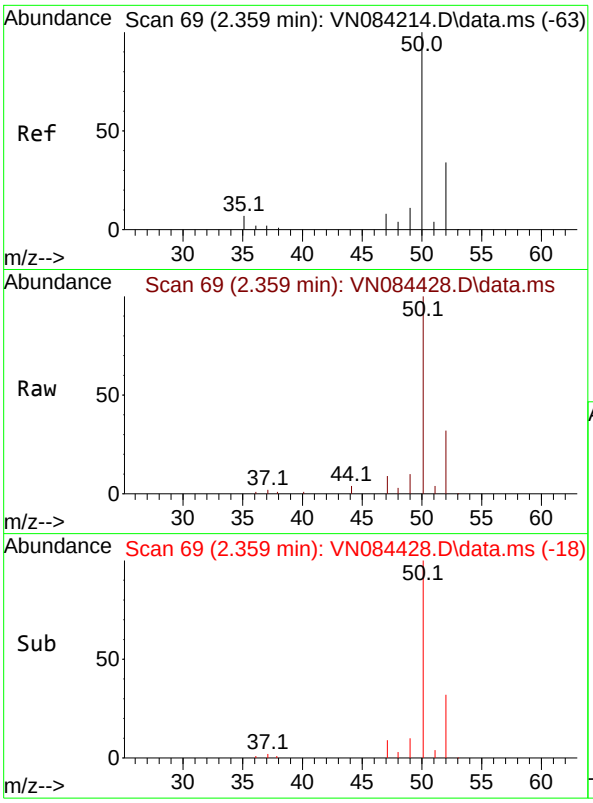


#2
Dichlorodifluoromethane
Concen: 44.759 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 85 Resp: 83308

Ion	Ratio	Lower	Upper
85	100		
87	34.4	17.6	52.9



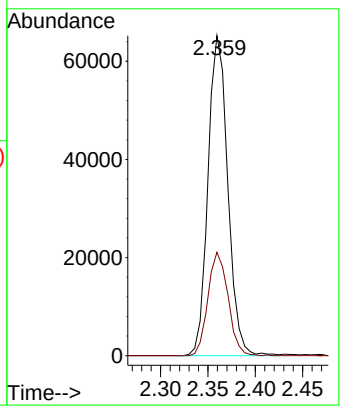


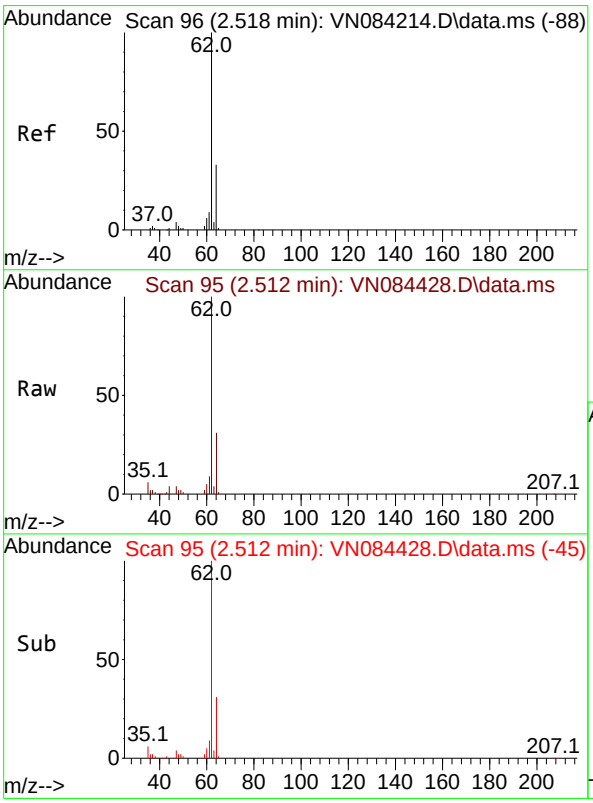
#3
Chloromethane
Concen: 44.550 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 94679

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2

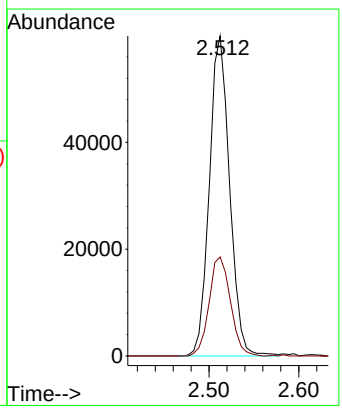


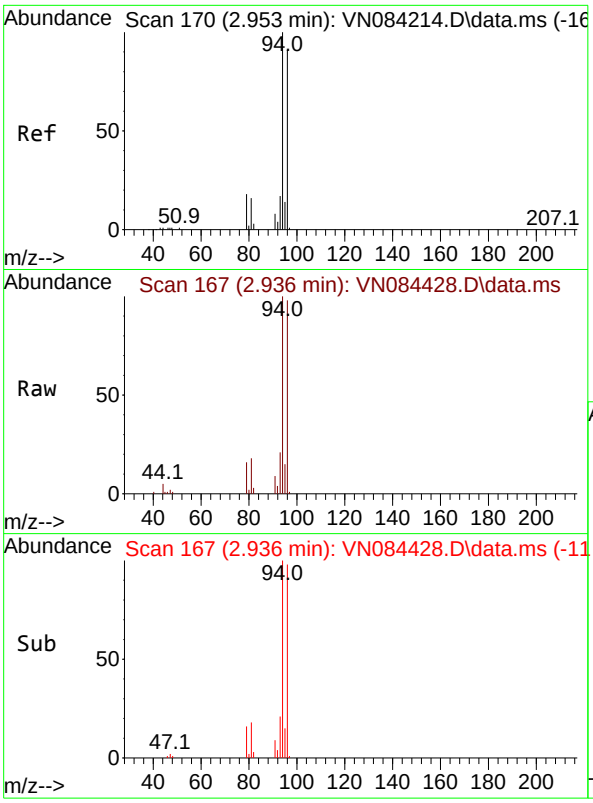


#4
Vinyl Chloride
Concen: 45.660 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 62 Resp: 93996

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.2	39.4



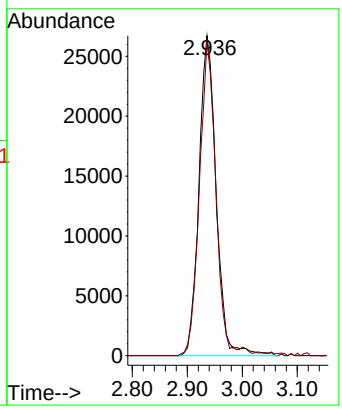


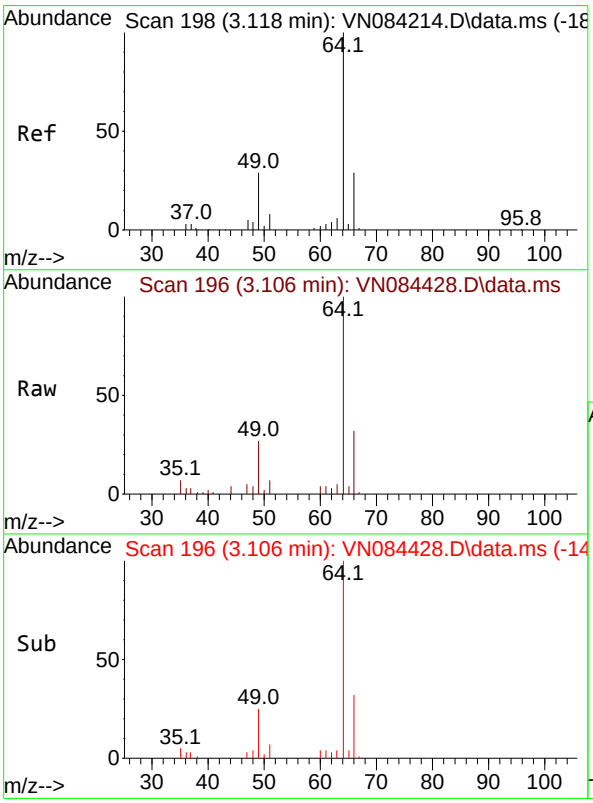
#5
Bromomethane
Concen: 42.866 ug/l
RT: 2.936 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 58206

Ion	Ratio	Lower	Upper
94	100		
96	98.2	72.9	109.3

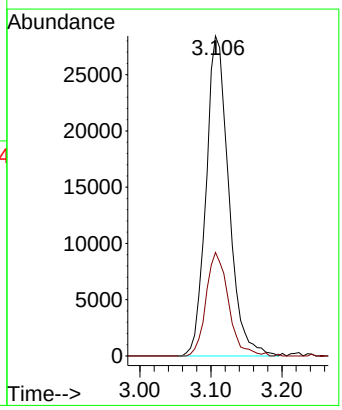


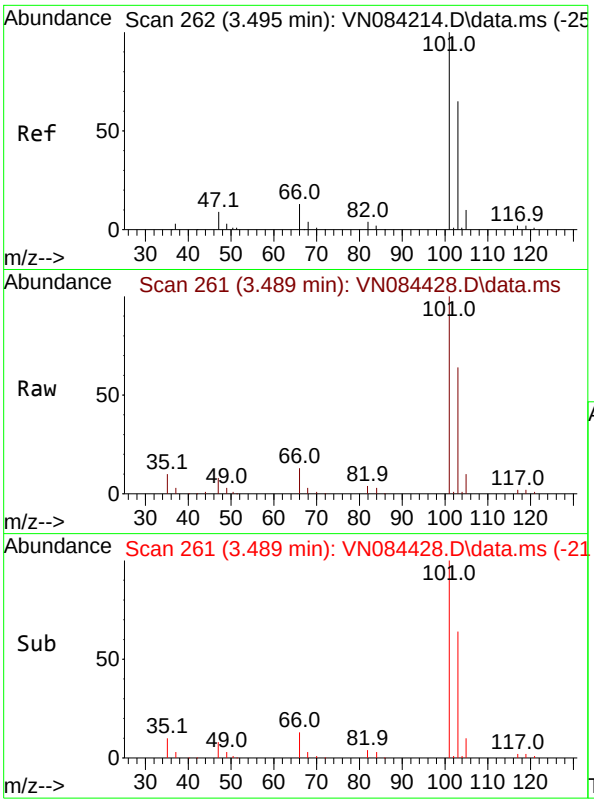


#6
Chloroethane
Concen: 42.808 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 64 Resp: 63113

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.5	35.3



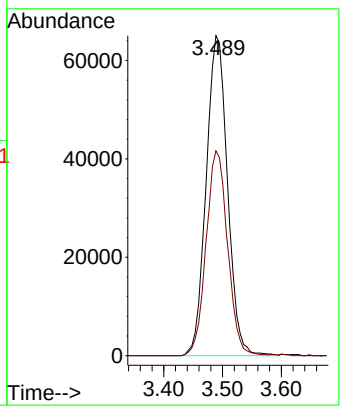


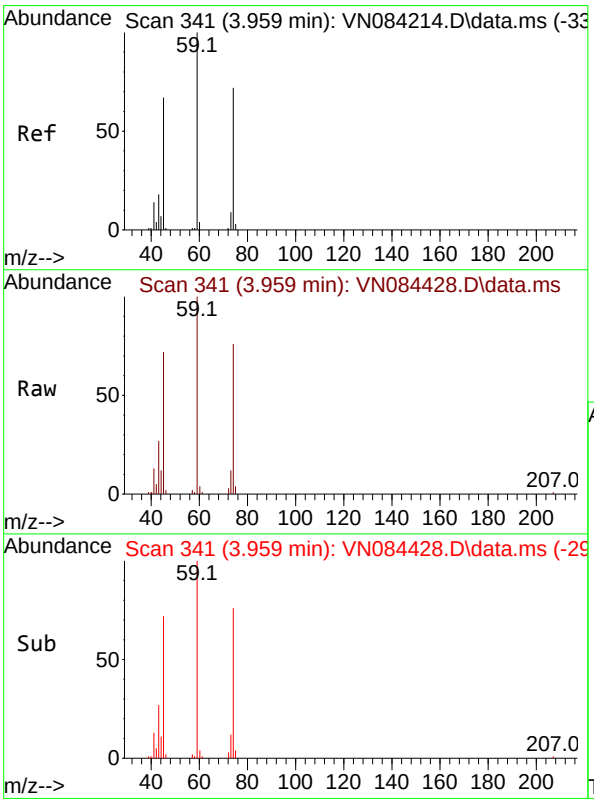
#7
Trichlorofluoromethane
Concen: 51.224 ug/l
RT: 3.489 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 164207

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6

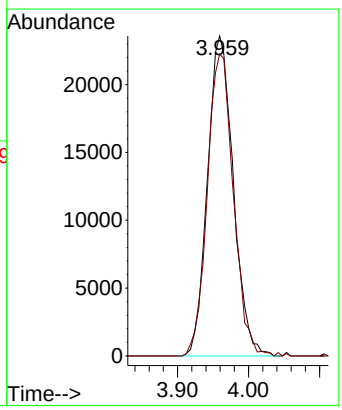


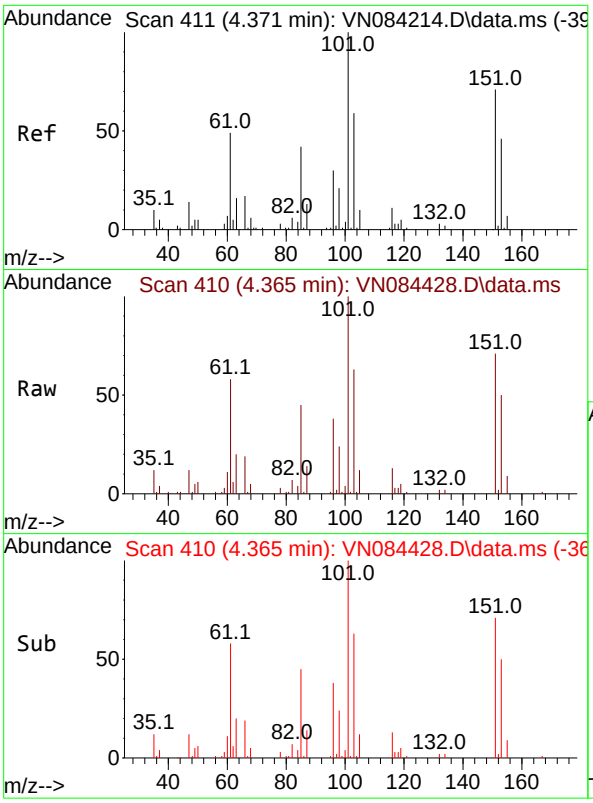


#8
Diethyl Ether
Concen: 49.902 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 74 Resp: 59329

Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.7	143.1



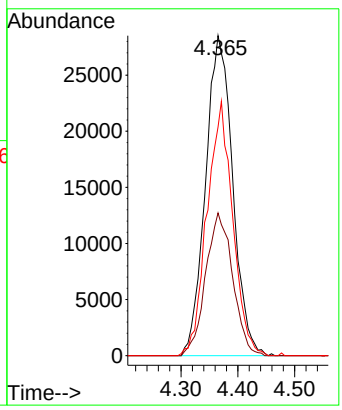


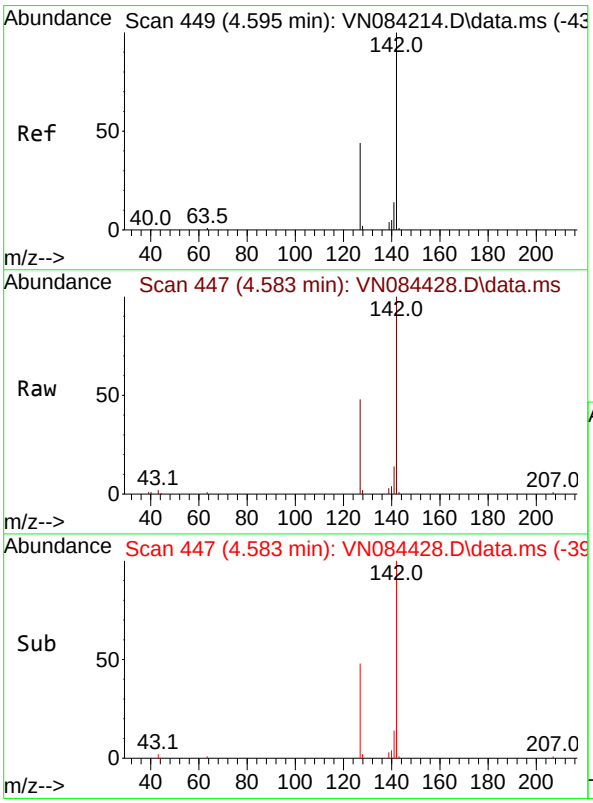
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.670 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 94908

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.0	59.3	88.9

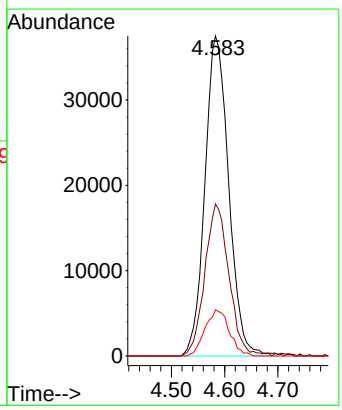


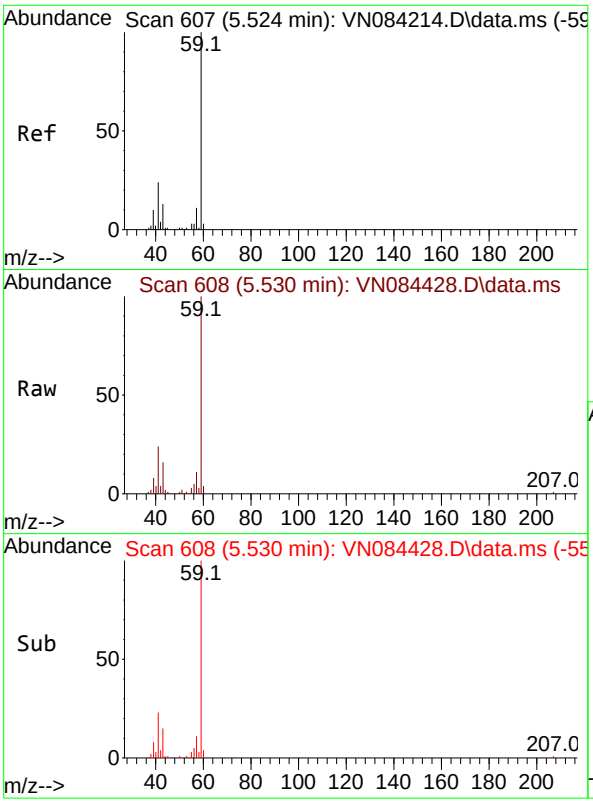


#10
Methyl Iodide
Concen: 49.171 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:142 Resp: 116312

Ion	Ratio	Lower	Upper
142	100		
127	47.5	35.3	52.9
141	14.4	11.0	16.6



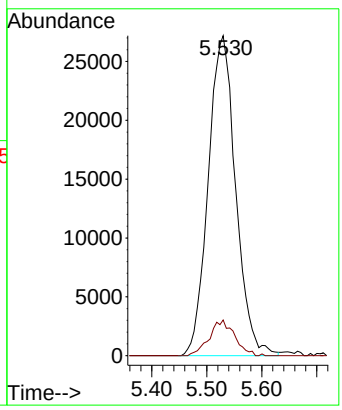


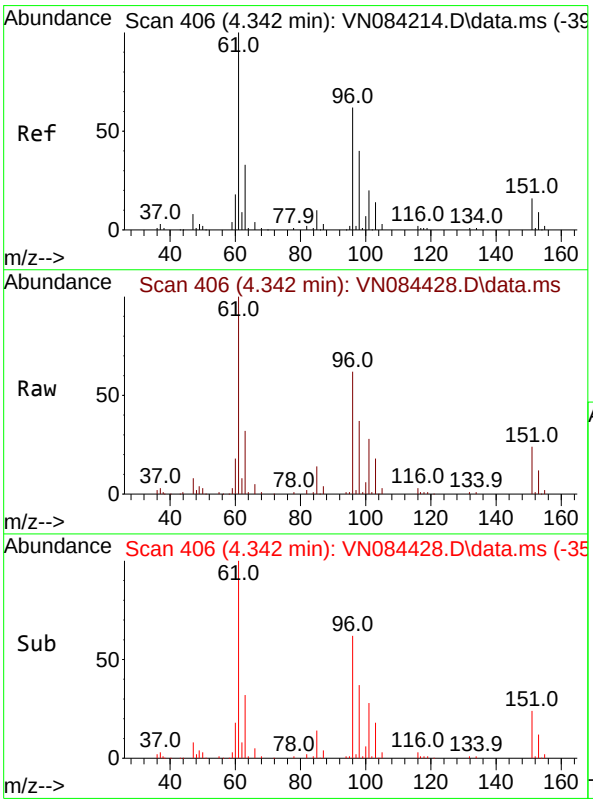
#11
Tert butyl alcohol
Concen: 245.606 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 94486

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

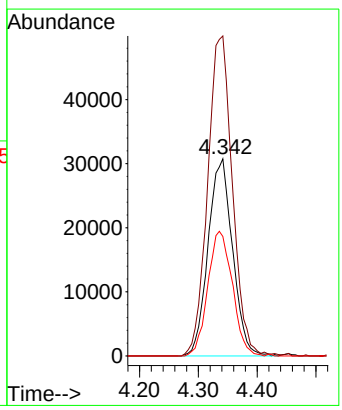


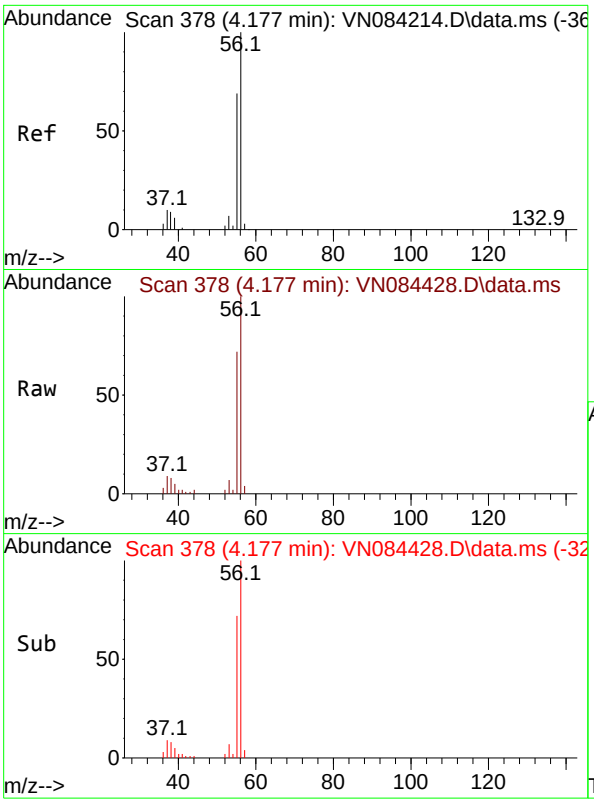


#12
1,1-Dichloroethene
Concen: 50.300 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 96 Resp: 89116

Ion	Ratio	Lower	Upper
96	100		
61	162.3	128.6	192.8
98	60.6	51.7	77.5



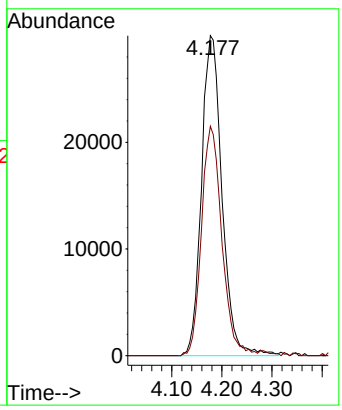


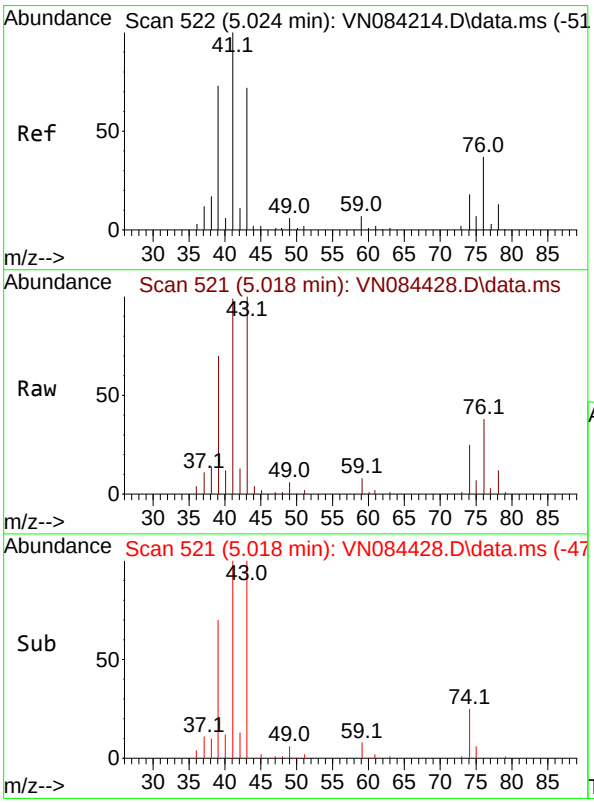
#13
Acrolein
Concen: 192.843 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 85169

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

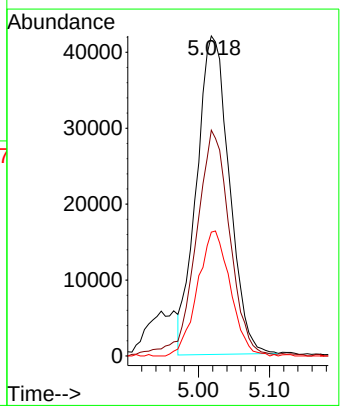


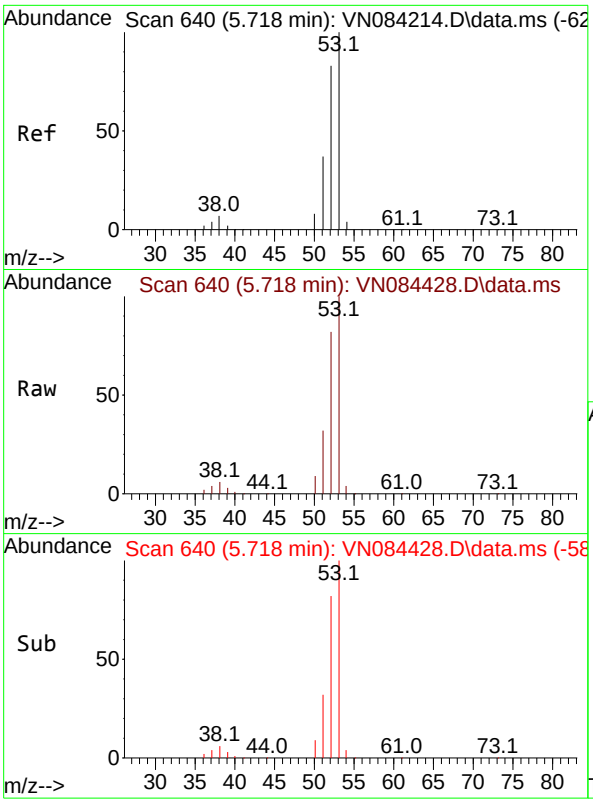


#14
Allyl chloride
Concen: 43.643 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 41 Resp: 134288

Ion	Ratio	Lower	Upper
41	100		
39	73.1	59.0	88.6
76	39.4	29.8	44.6



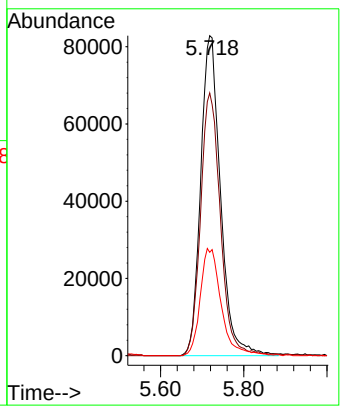


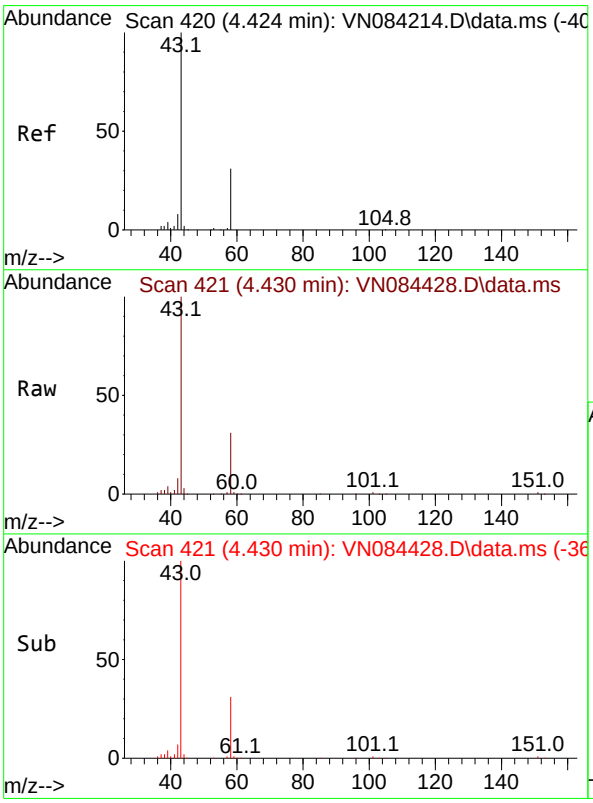
#15
Acrylonitrile
Concen: 283.386 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 275307

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.2	28.8	43.2

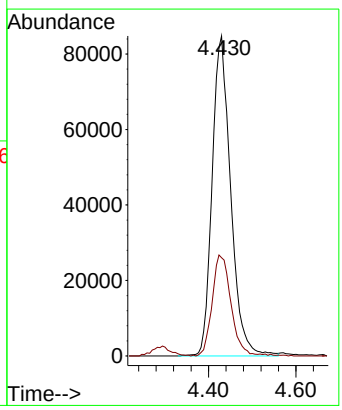


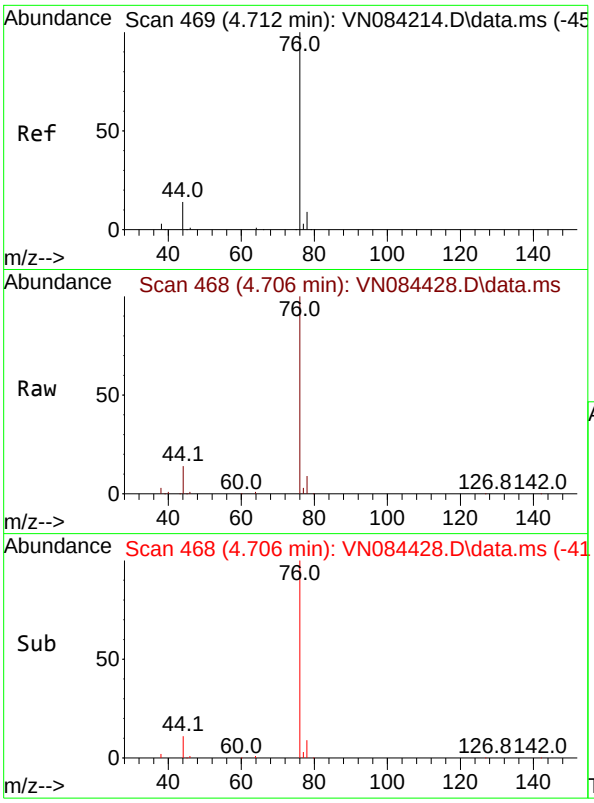


#16
Acetone
Concen: 248.905 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 249463

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.4	36.6



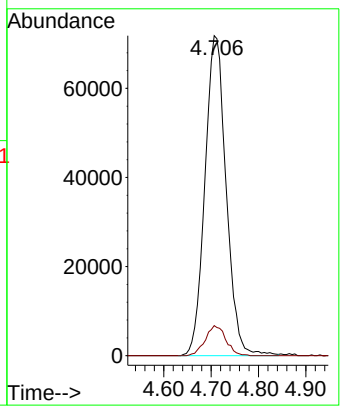


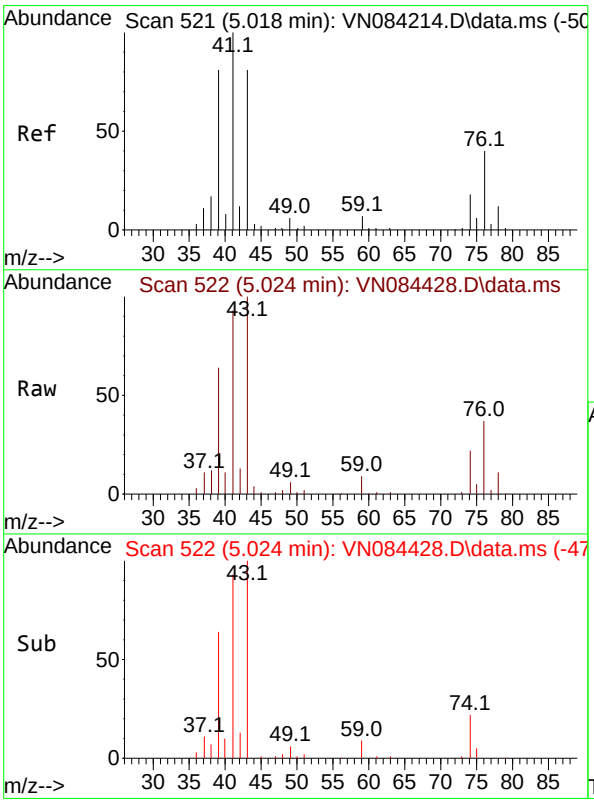
#17
Carbon Disulfide
Concen: 39.937 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 224021

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

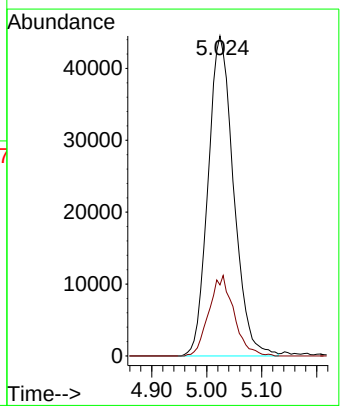


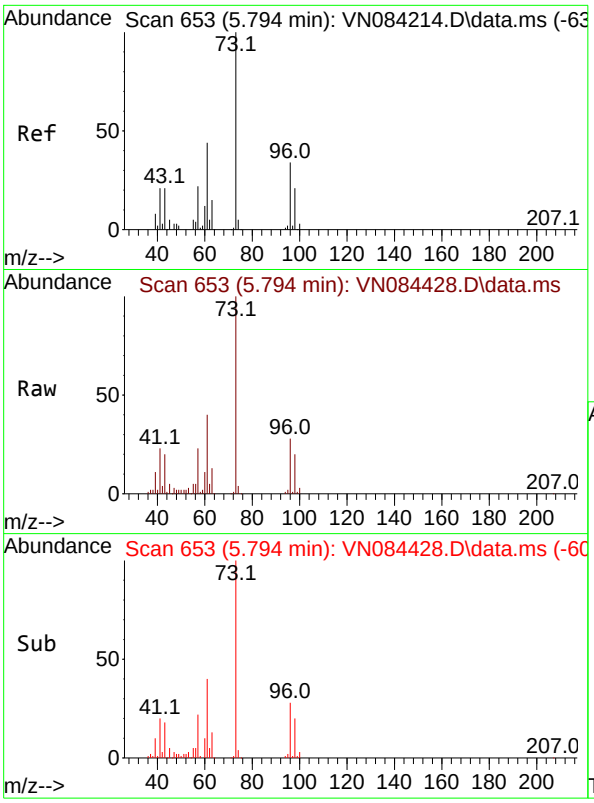


#18
Methyl Acetate
Concen: 65.900 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 143956

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8



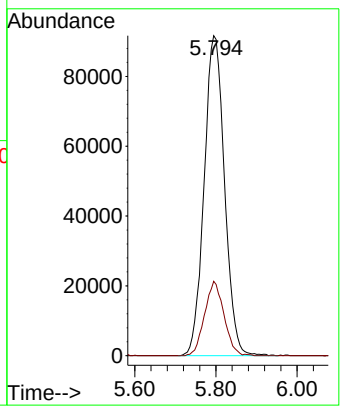


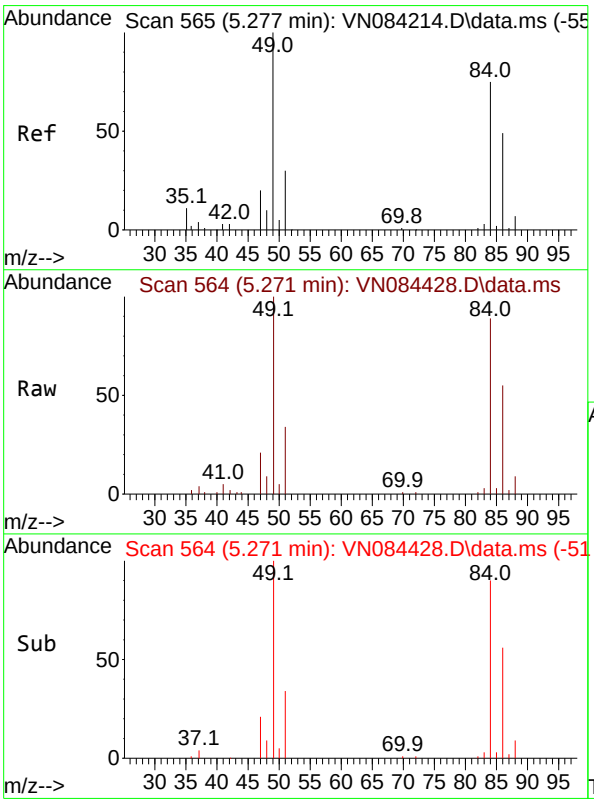
#19
Methyl tert-butyl Ether
Concen: 53.457 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 319663

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5

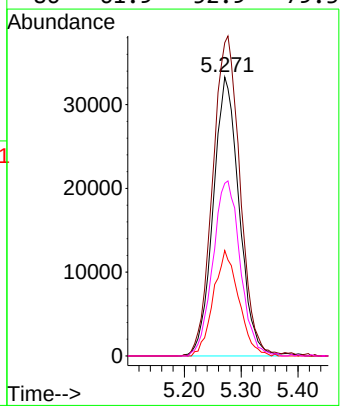


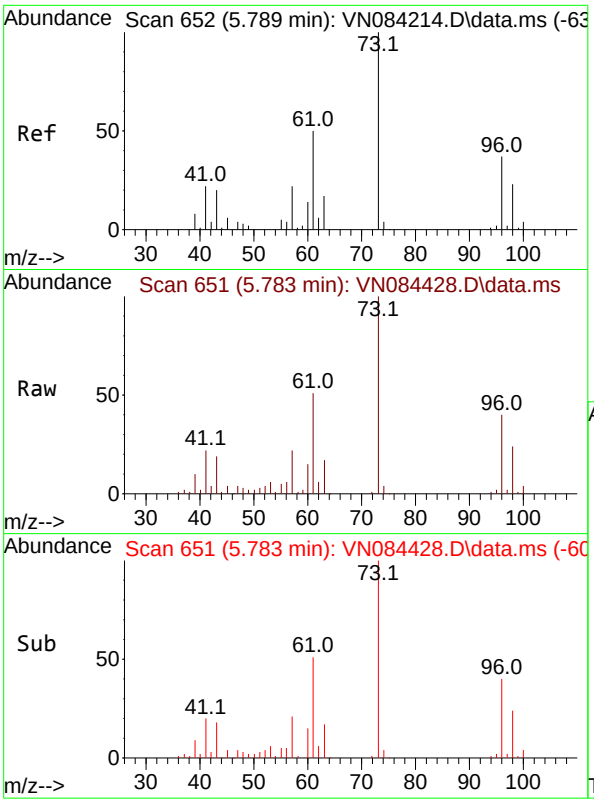


#20
Methylene Chloride
Concen: 51.787 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 84 Resp: 105509

Ion	Ratio	Lower	Upper
84	100		
49	112.4	107.2	160.8
51	37.8	31.8	47.8
86	61.9	52.9	79.3



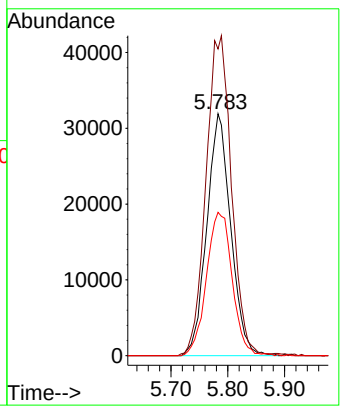


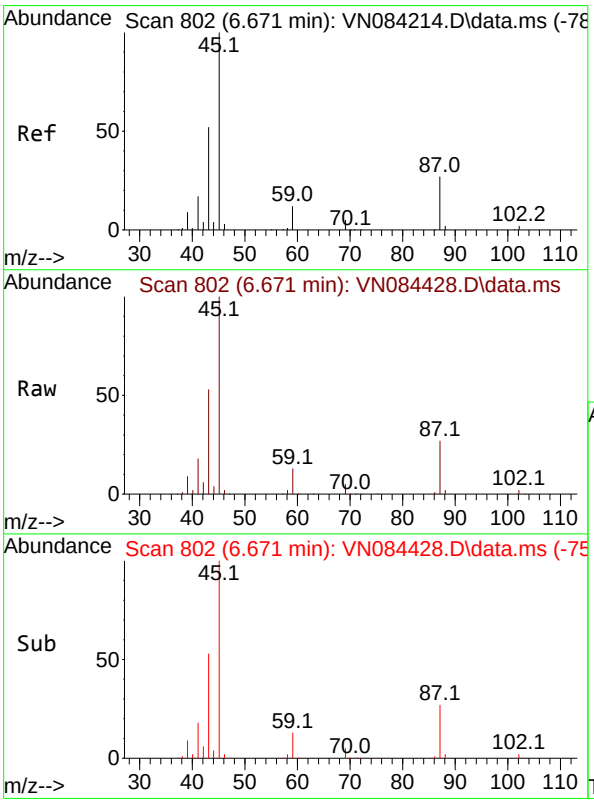
#21
trans-1,2-Dichloroethene
Concen: 50.278 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 93324

Ion	Ratio	Lower	Upper
96	100		
61	126.8	108.4	162.6
98	59.2	49.8	74.8

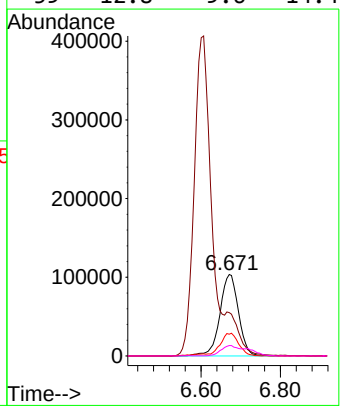


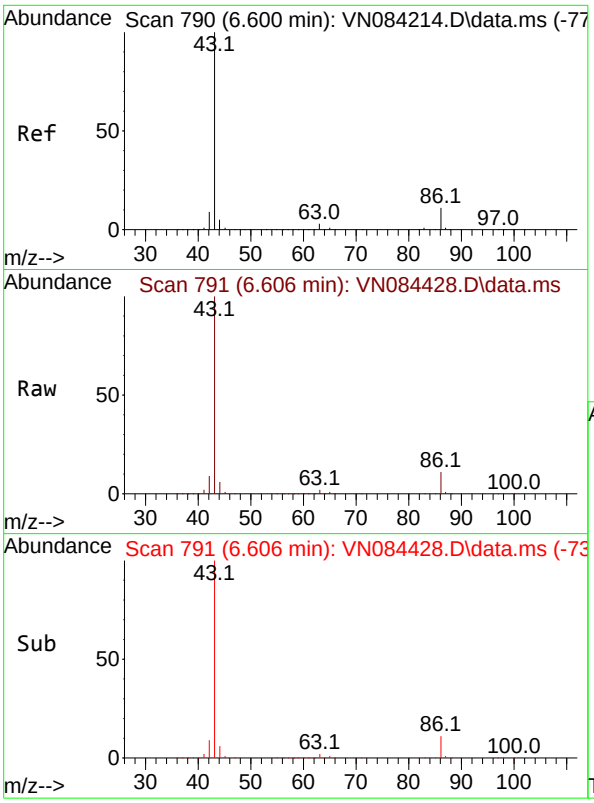


#22
Diisopropyl ether
Concen: 52.949 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 45 Resp: 336994

Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.3	63.5
87	26.8	21.8	32.6
59	12.8	9.6	14.4



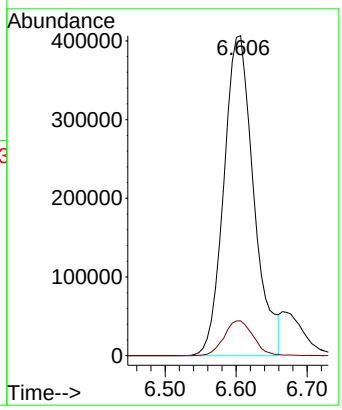


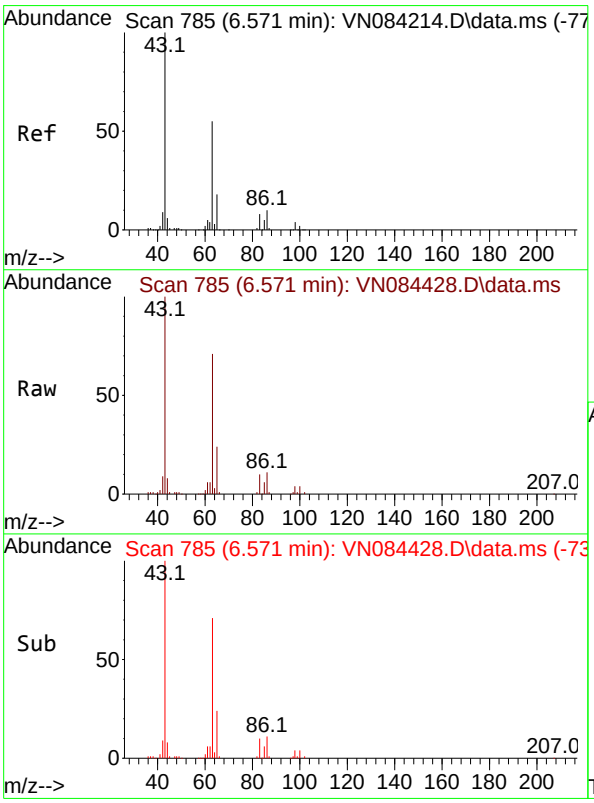
#23
Vinyl Acetate
Concen: 252.258 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1190800

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

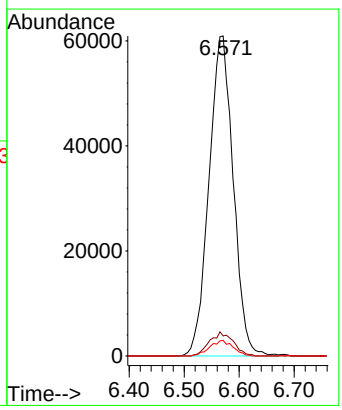


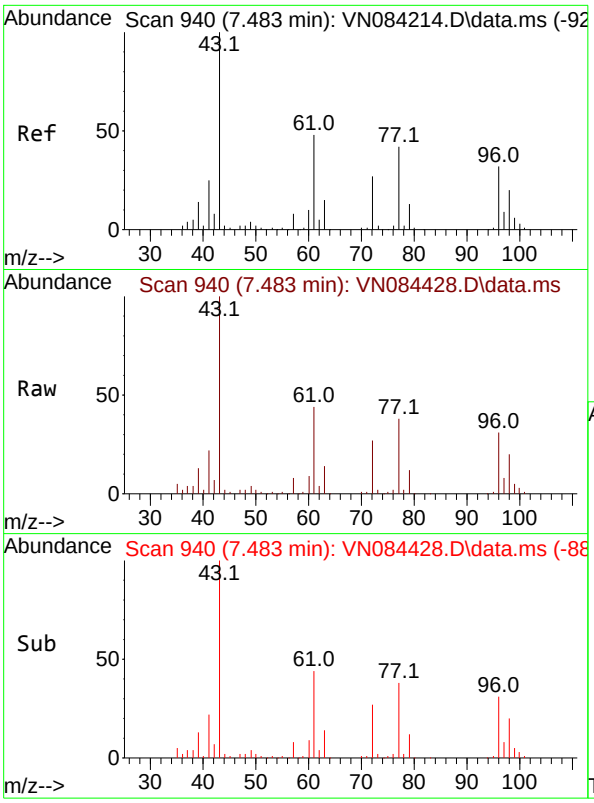


#24
1,1-Dichloroethane
Concen: 52.570 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 63 Resp: 187107

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.2
100	4.9	2.0	5.8



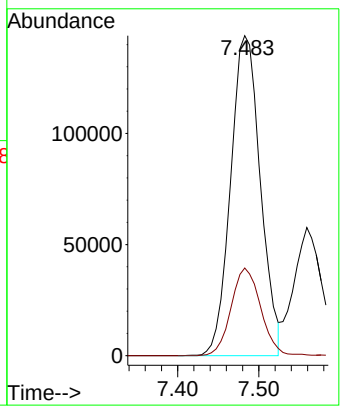


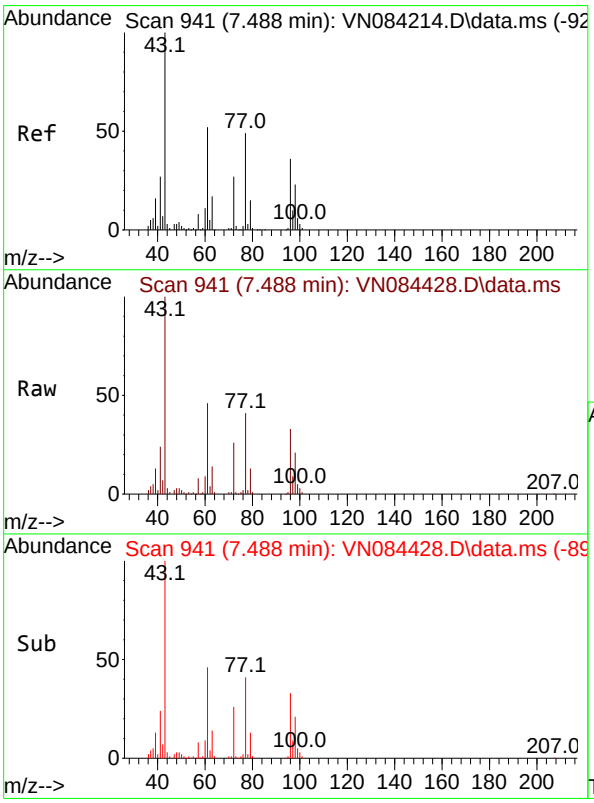
#25
2-Butanone
Concen: 269.013 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 367222

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.2

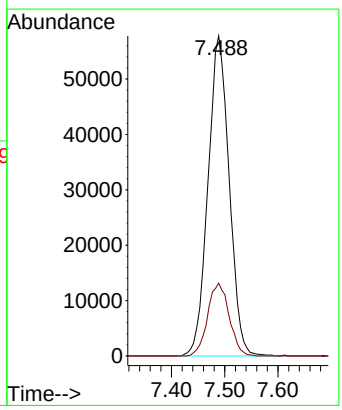


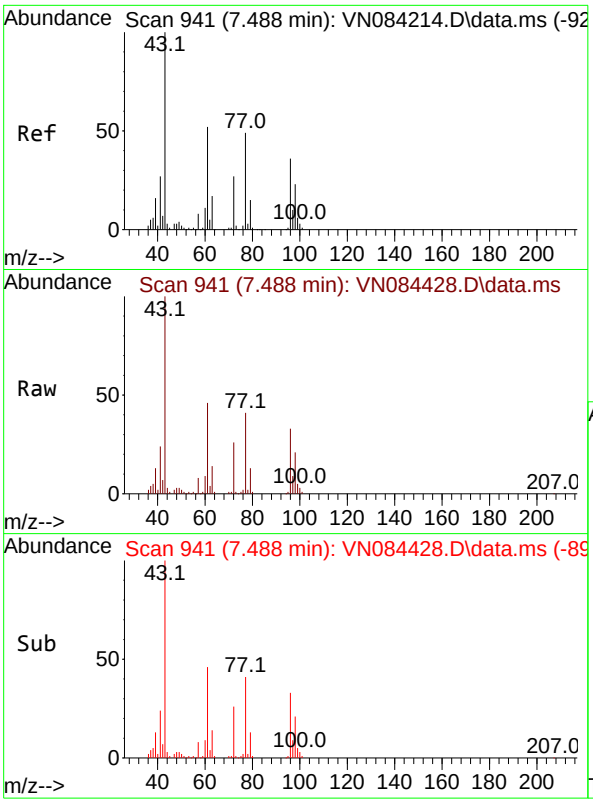


#26
2,2-Dichloropropane
Concen: 49.738 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 77 Resp: 159617

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.8	32.3



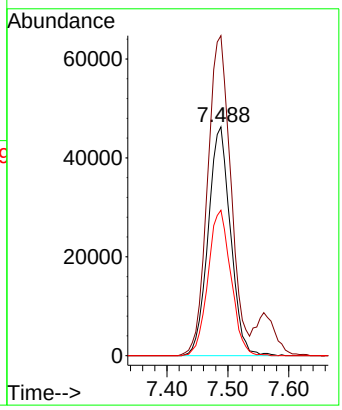


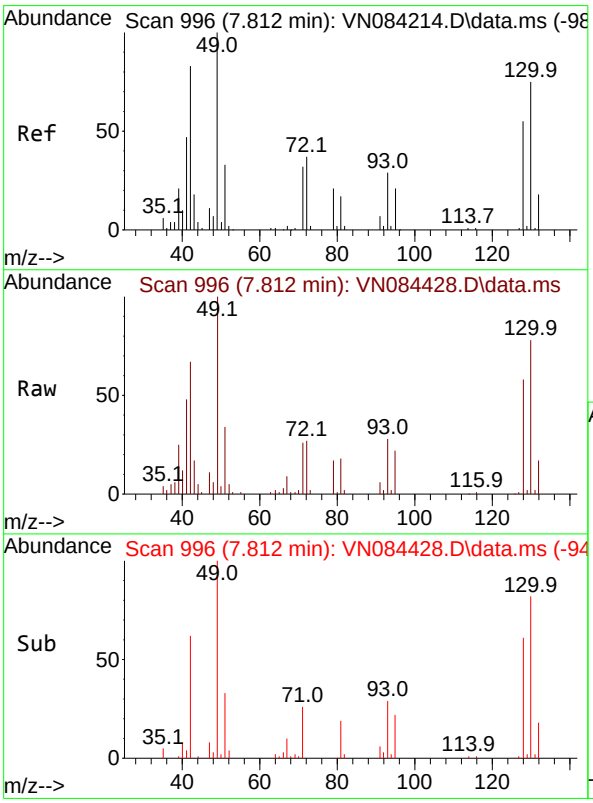
#27
cis-1,2-Dichloroethene
Concen: 52.728 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 118267

Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	301.8
98	65.0	0.0	128.2

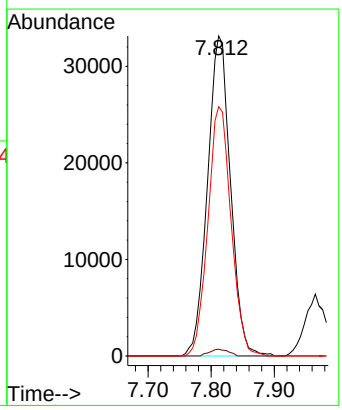


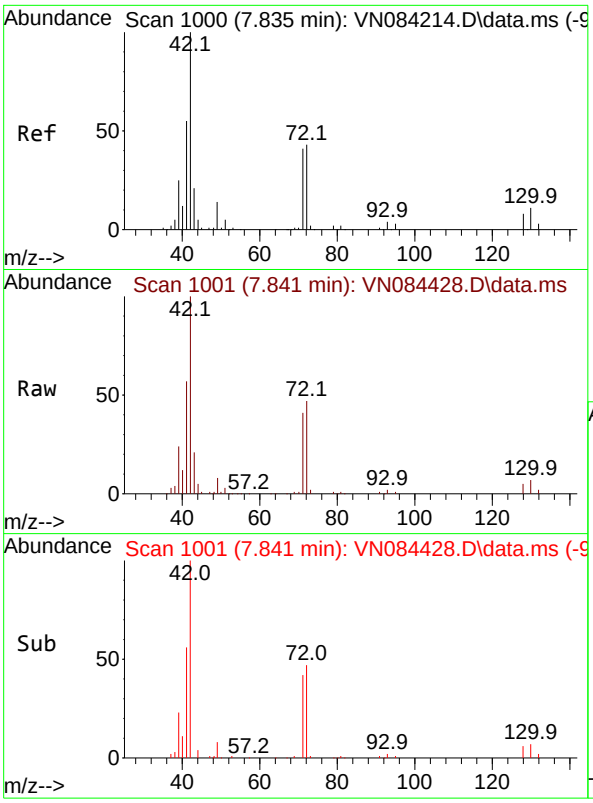


#28
Bromochloromethane
Concen: 52.836 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 49 Resp: 83905

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	78.3	58.0	87.0



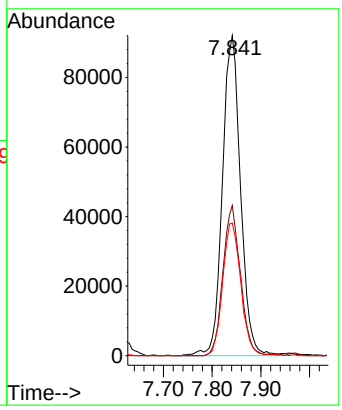


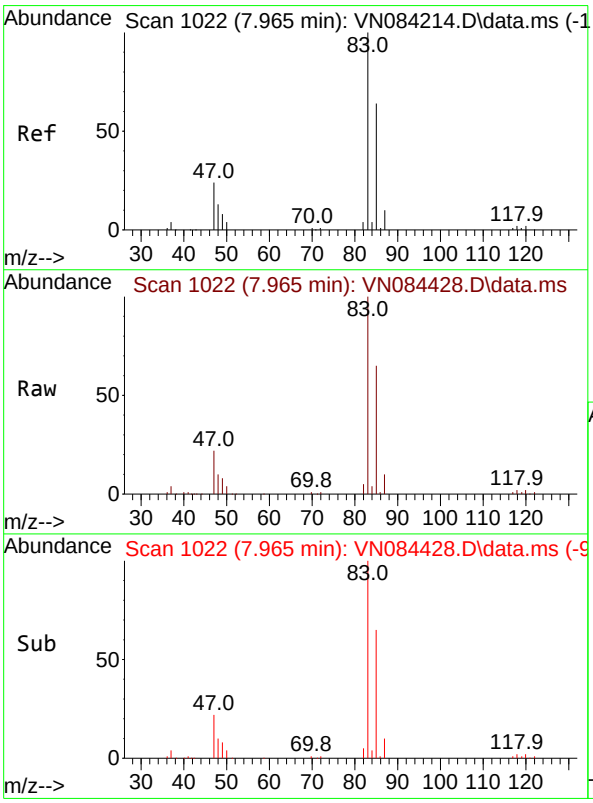
#29
Tetrahydrofuran
Concen: 283.258 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 238619

Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.6	51.8
71	41.3	32.2	48.4

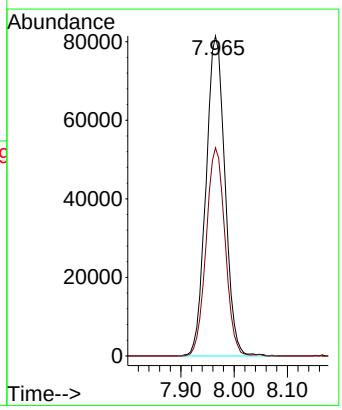


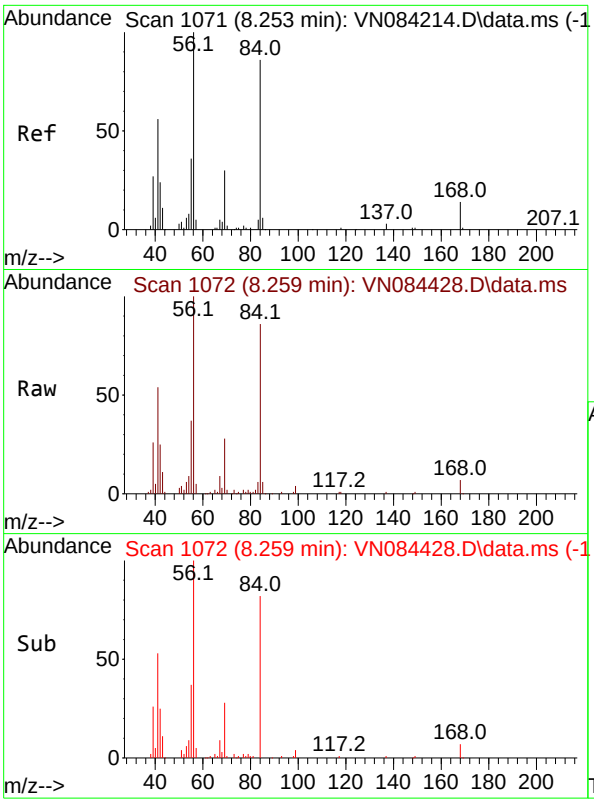


#30
Chloroform
Concen: 54.476 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 83 Resp: 201405

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4



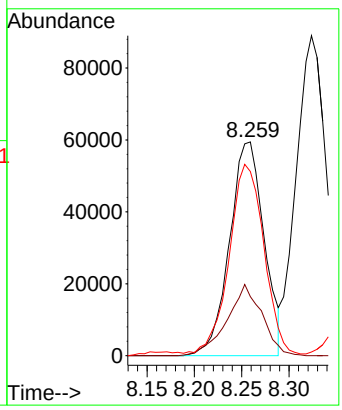


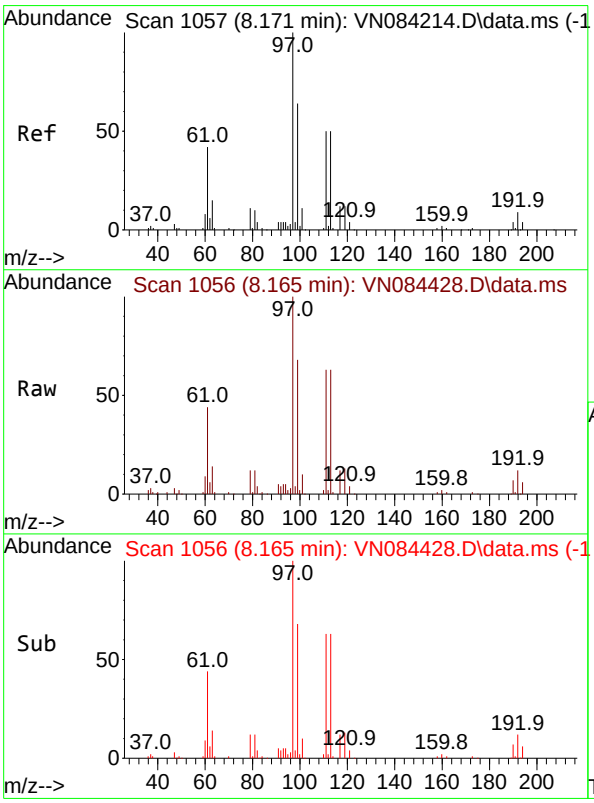
#31
Cyclohexane
Concen: 43.659 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 150876

Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.8	35.6
84	84.5	68.8	103.2

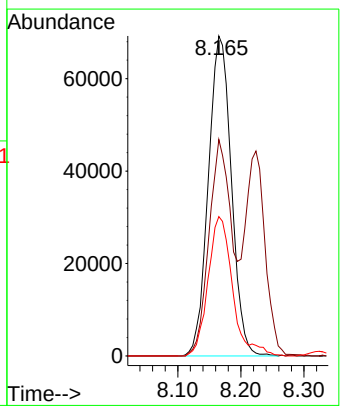


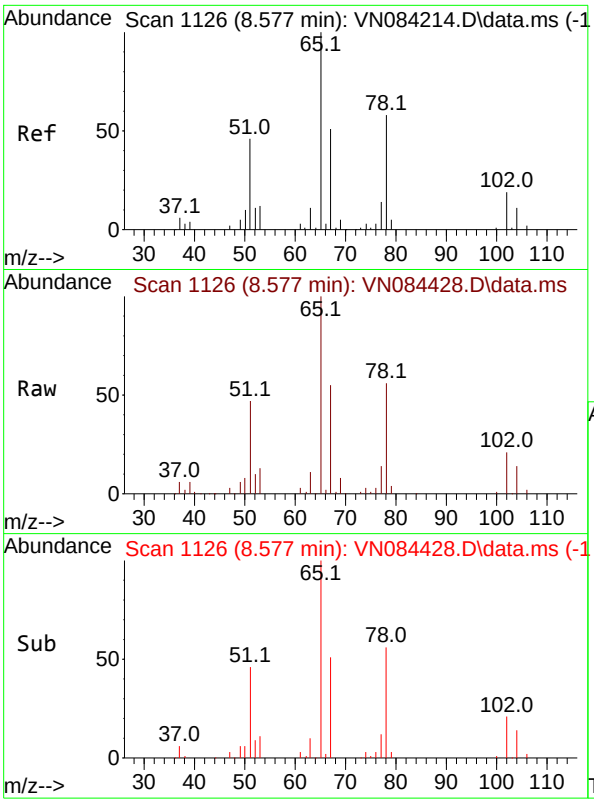


#32
1,1,1-Trichloroethane
Concen: 52.830 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 97 Resp: 175417

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.2	76.8
61	46.3	37.5	56.3



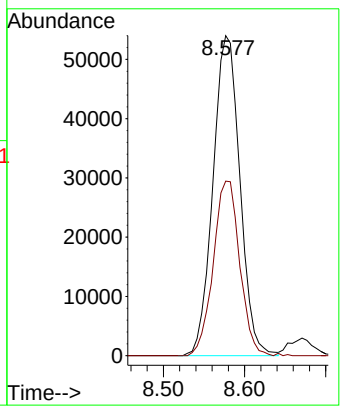


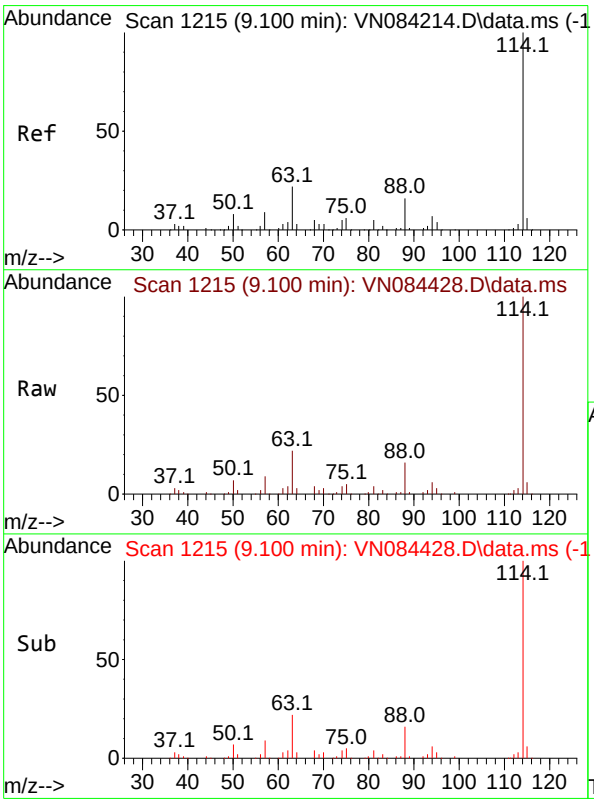
#33
1,2-Dichloroethane-d4
Concen: 53.365 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 124506

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	102.0

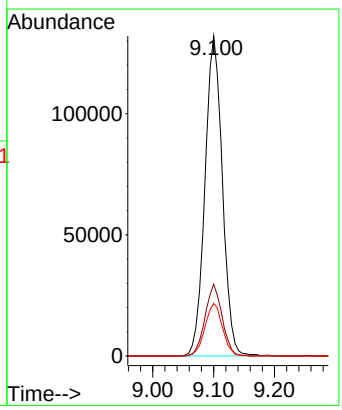


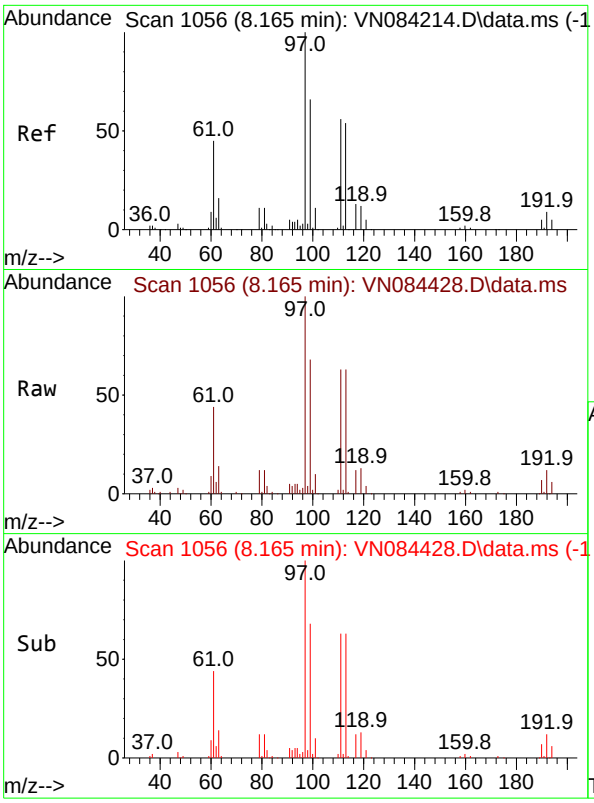


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:114 Resp: 262800

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.8
88	16.4	0.0	31.6



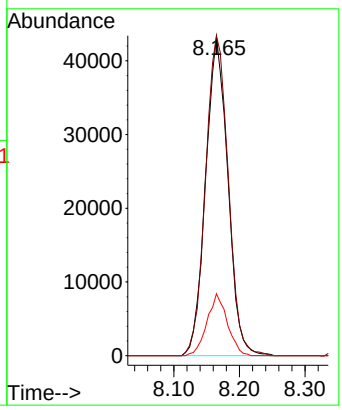


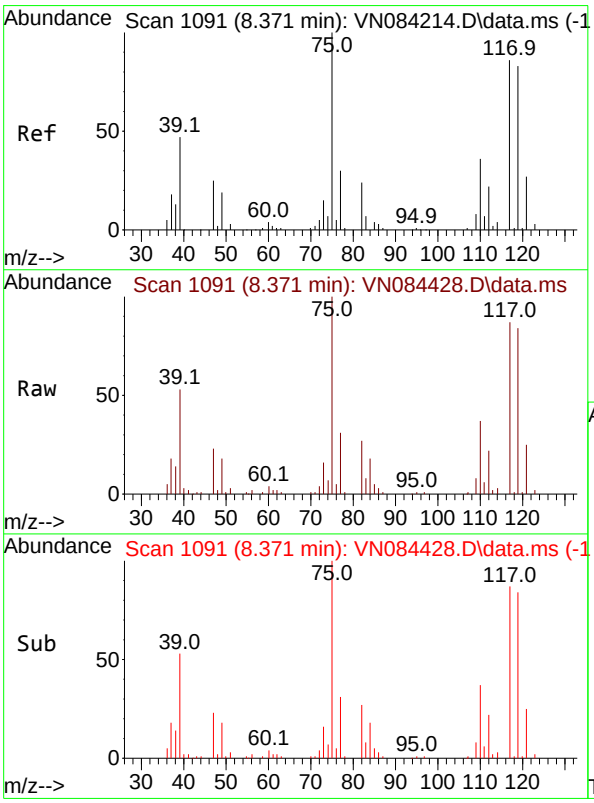
#35
Dibromofluoromethane
Concen: 58.729 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 101751

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.3	124.9
192	17.8	13.5	20.3

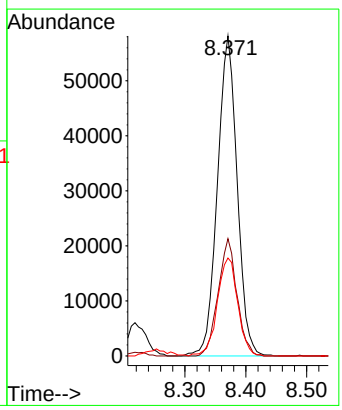


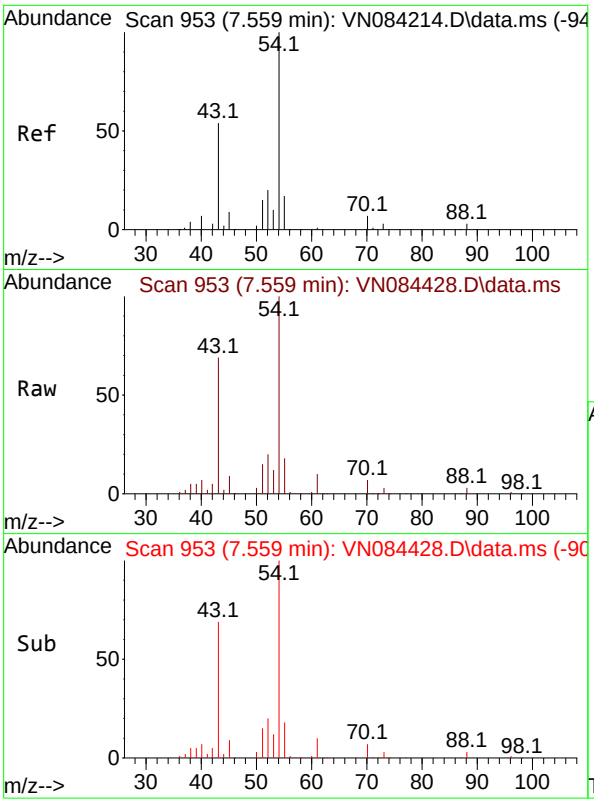


#36
1,1-Dichloropropene
Concen: 52.021 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 130914

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	31.6	24.7	37.1



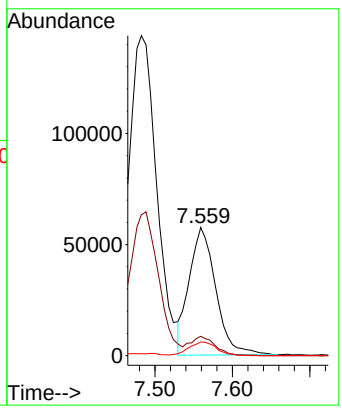


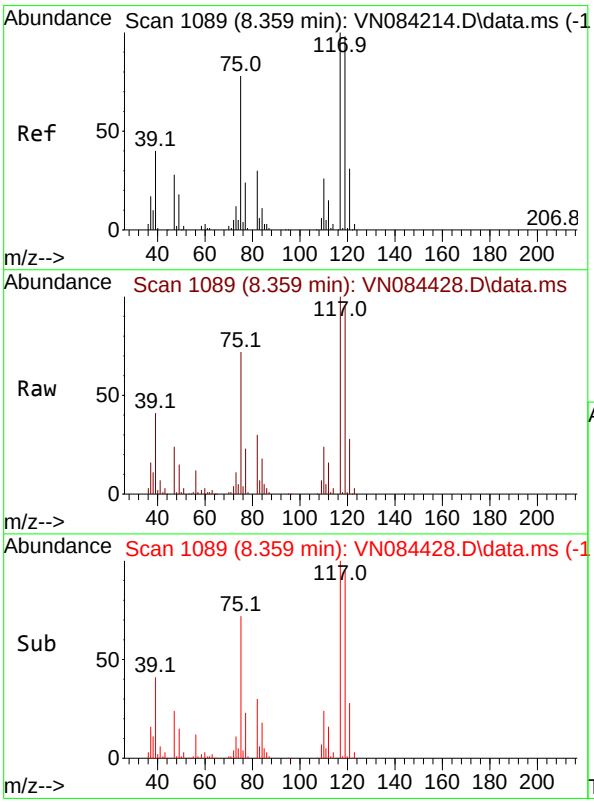
#37
Ethyl Acetate
Concen: 53.172 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 137280

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	11.2	8.8	13.2

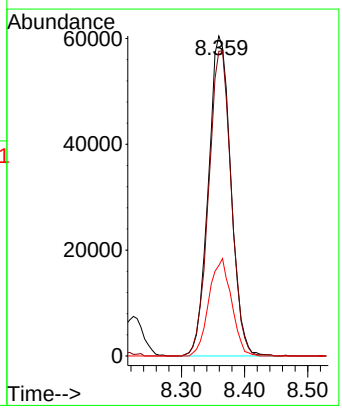


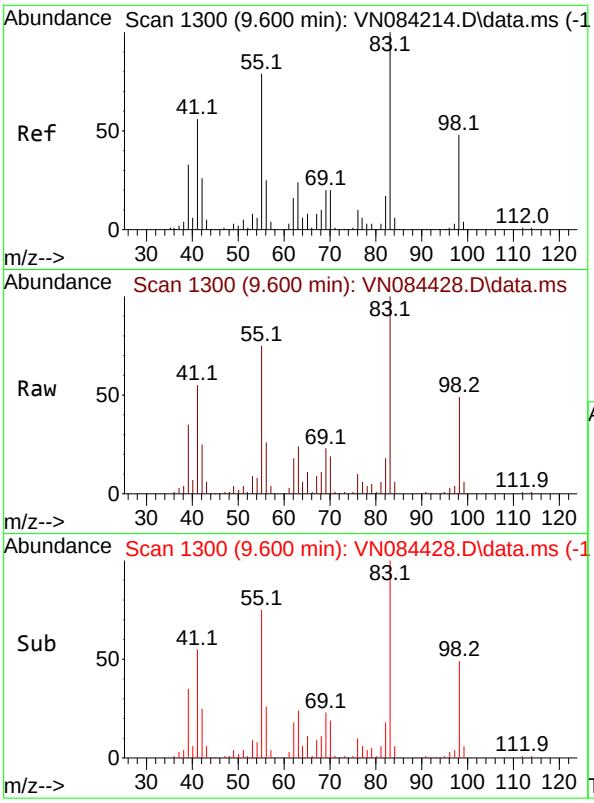


#38
Carbon Tetrachloride
Concen: 54.202 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:117 Resp: 149628

Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.7	118.1
121	28.3	24.4	36.6



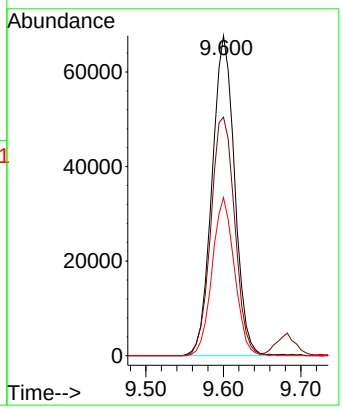


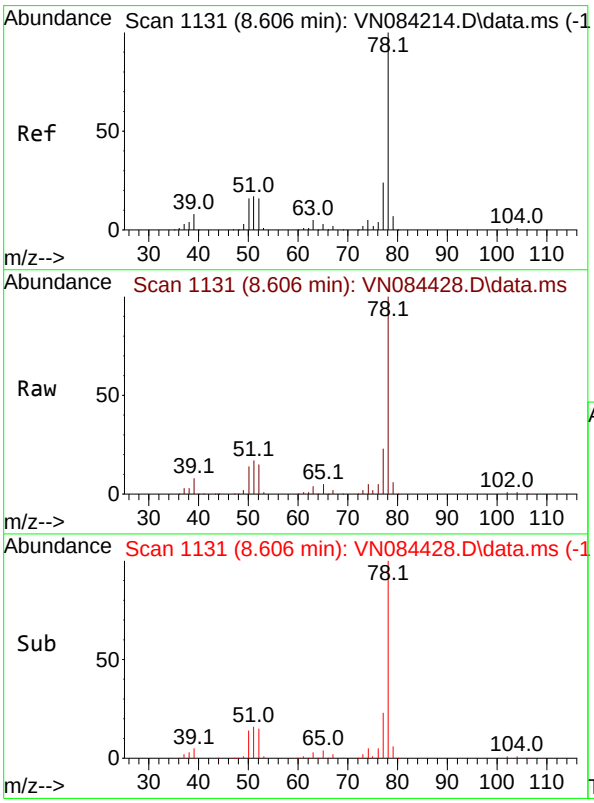
#39
Methylcyclohexane
Concen: 48.955 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 137117

Ion	Ratio	Lower	Upper
83	100		
55	74.6	62.8	94.2
98	49.4	38.8	58.2

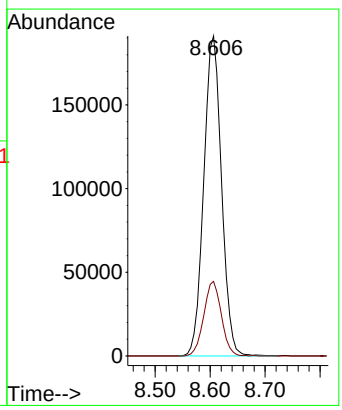


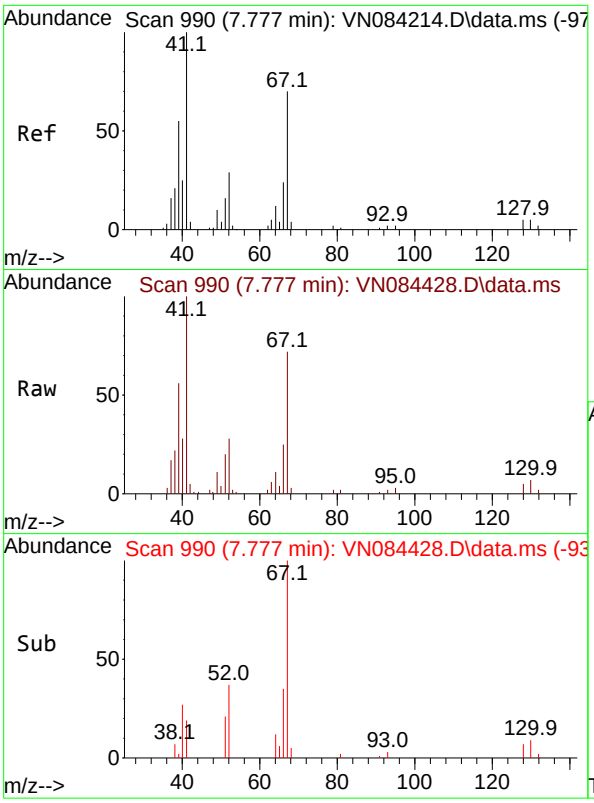


#40
Benzene
Concen: 54.796 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 78 Resp: 429647

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7



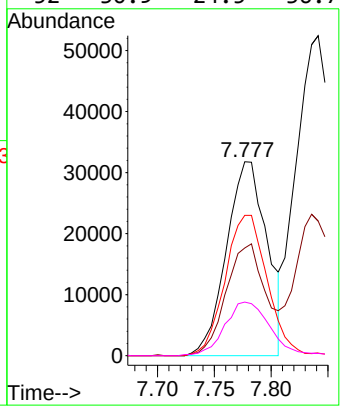


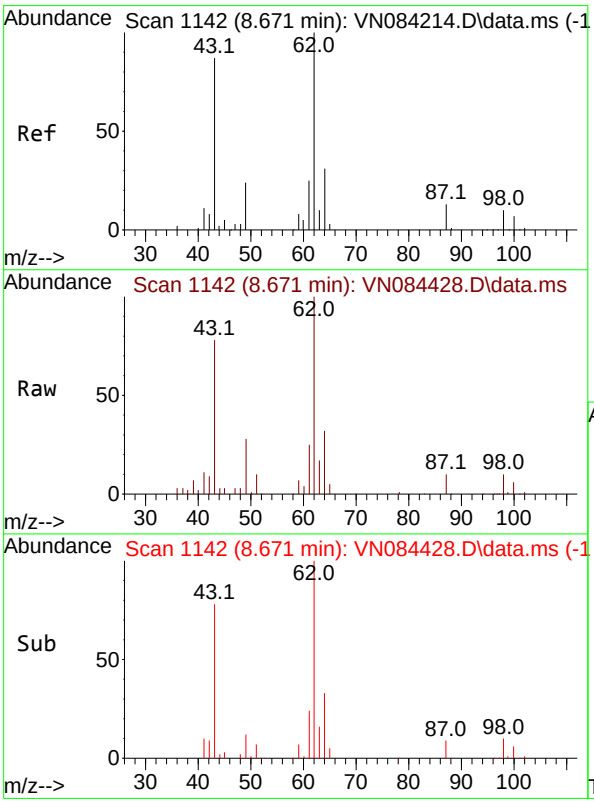
#41
Methacrylonitrile
Concen: 56.424 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 79086

Ion	Ratio	Lower	Upper
41	100		
39	56.4	43.3	64.9
67	75.1	56.1	84.1
52	30.9	24.5	36.7

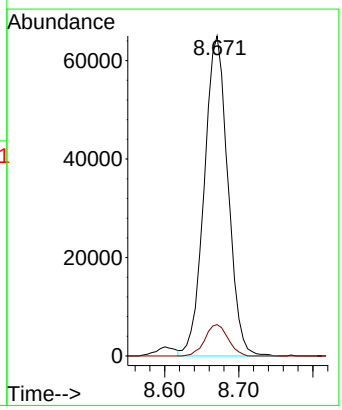


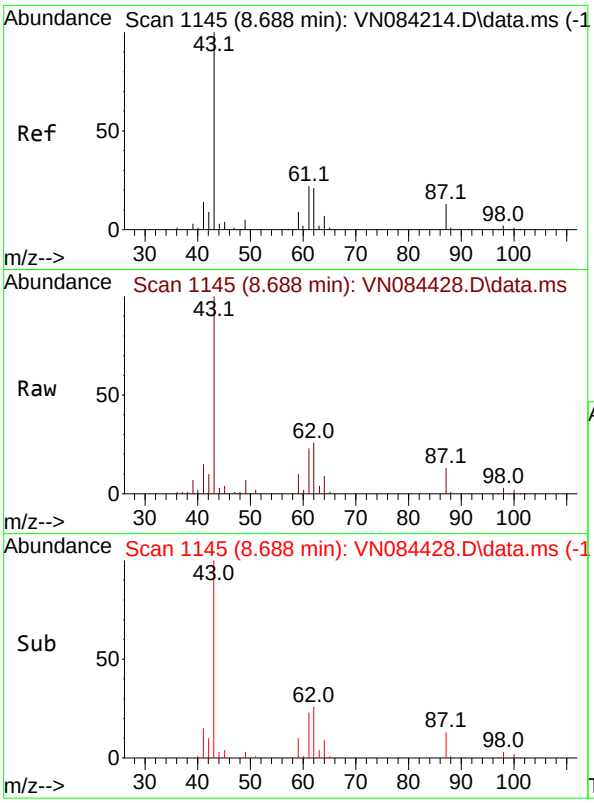


#42
1,2-Dichloroethane
Concen: 54.240 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 62 Resp: 144178

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



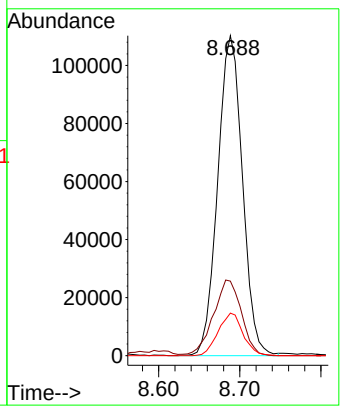


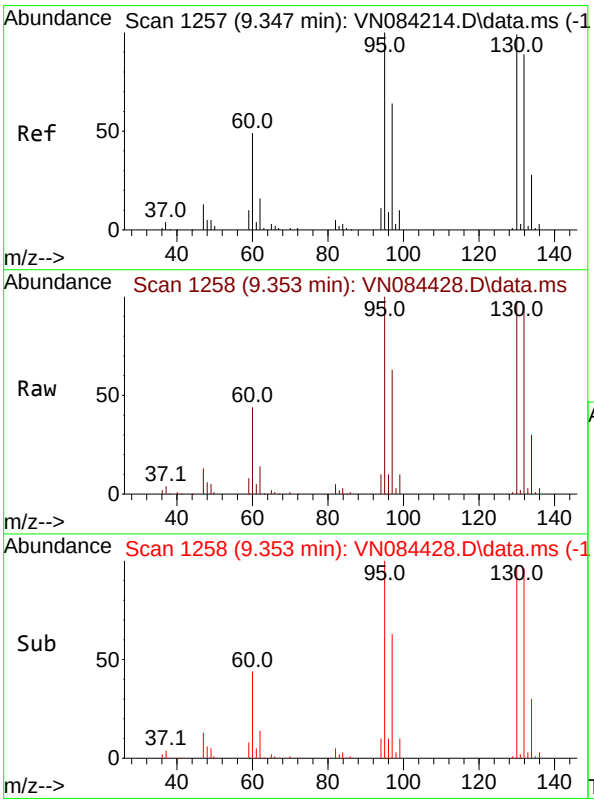
#43
Isopropyl Acetate
Concen: 46.197 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 233616

Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.4	30.6
87	13.4	10.3	15.5

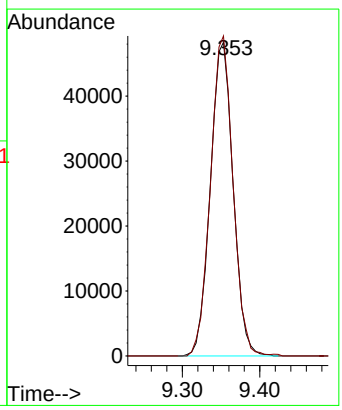


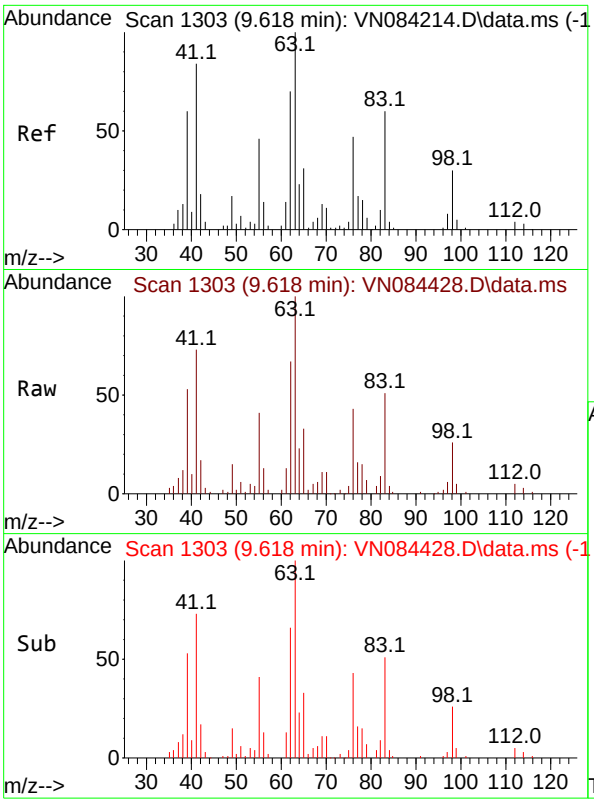


#44
Trichloroethene
Concen: 53.784 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:130 Resp: 98494

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	203.0



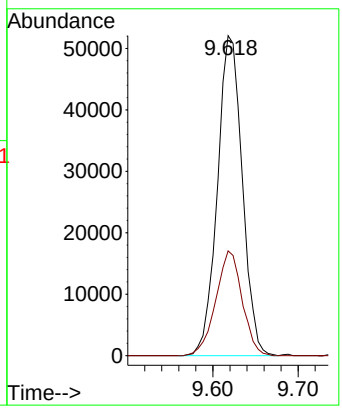


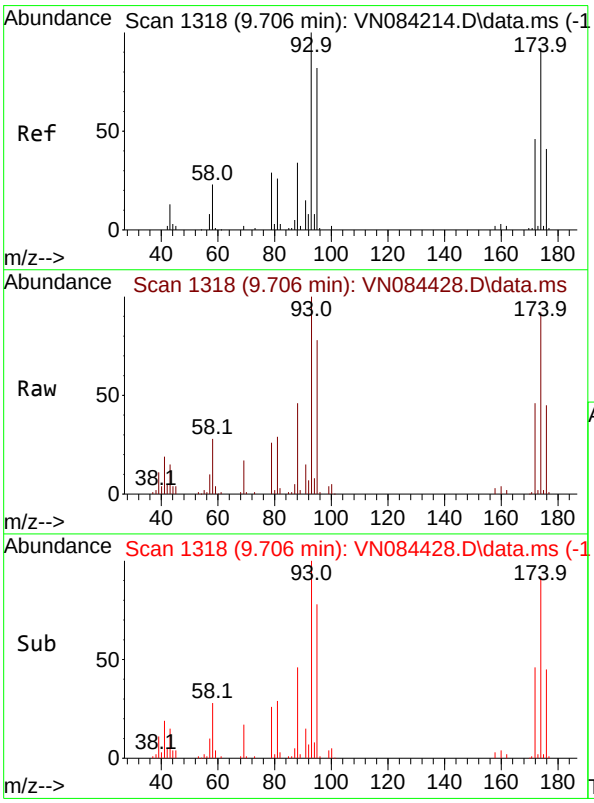
#45
1,2-Dichloropropane
Concen: 56.873 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 105490

Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.6	37.0

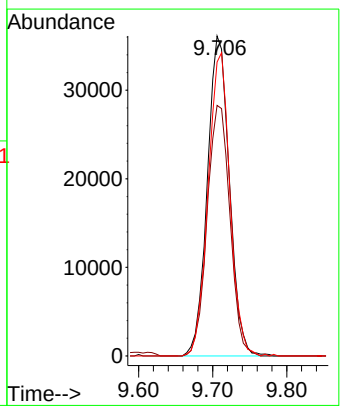


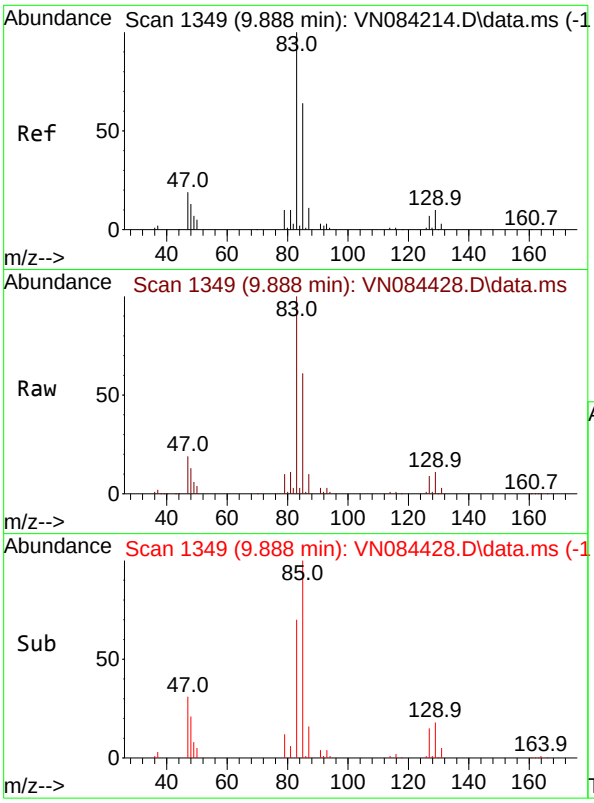


#46
Dibromomethane
Concen: 59.706 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 93 Resp: 74735

Ion	Ratio	Lower	Upper
93	100		
95	80.7	65.0	97.4
174	93.5	71.8	107.8



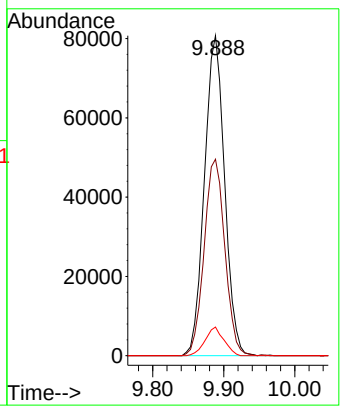


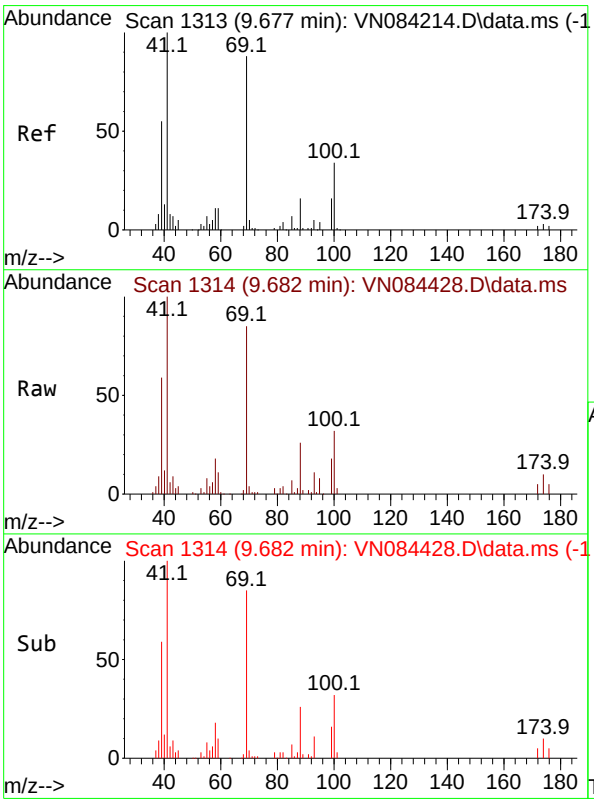
#47
Bromodichloromethane
Concen: 57.235 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 159166

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	8.9	5.7	8.5#

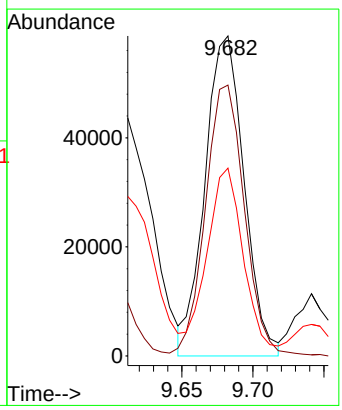


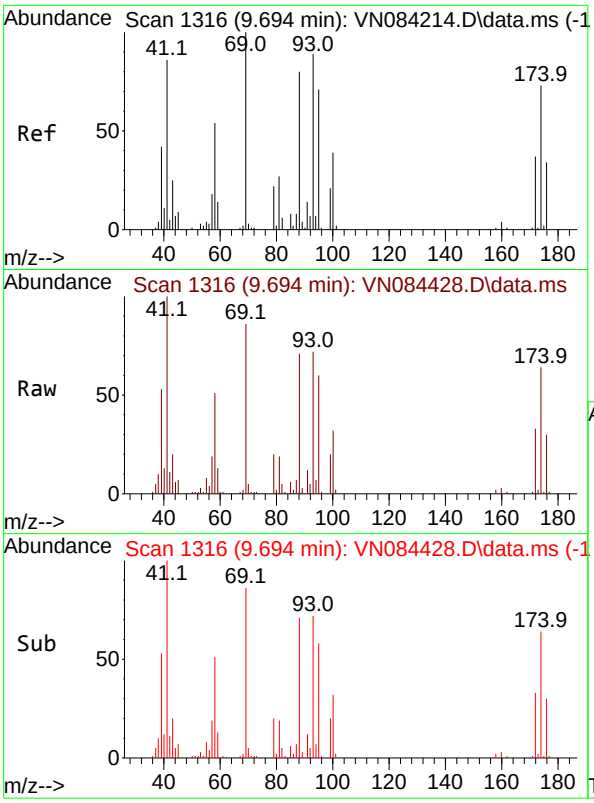


#48
Methyl methacrylate
Concen: 55.960 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 41 Resp: 112649

Ion	Ratio	Lower	Upper
41	100		
69	84.7	67.1	100.7
39	55.9	45.8	68.6



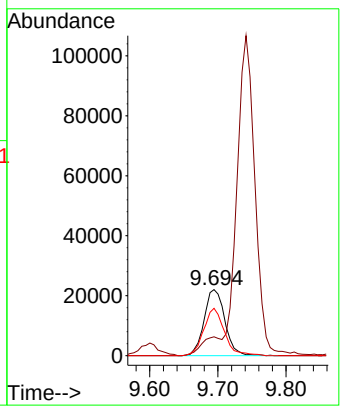


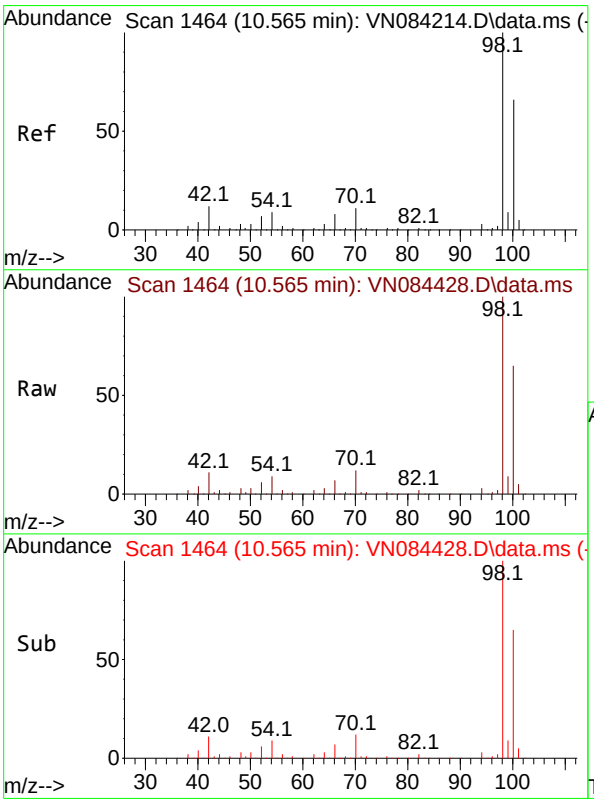
#49
1,4-Dioxane
Concen: 1259.594 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 46681

Ion	Ratio	Lower	Upper
88	100		
43	28.2	25.3	37.9
58	71.6	56.4	84.6

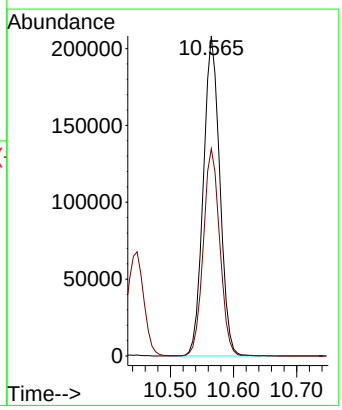


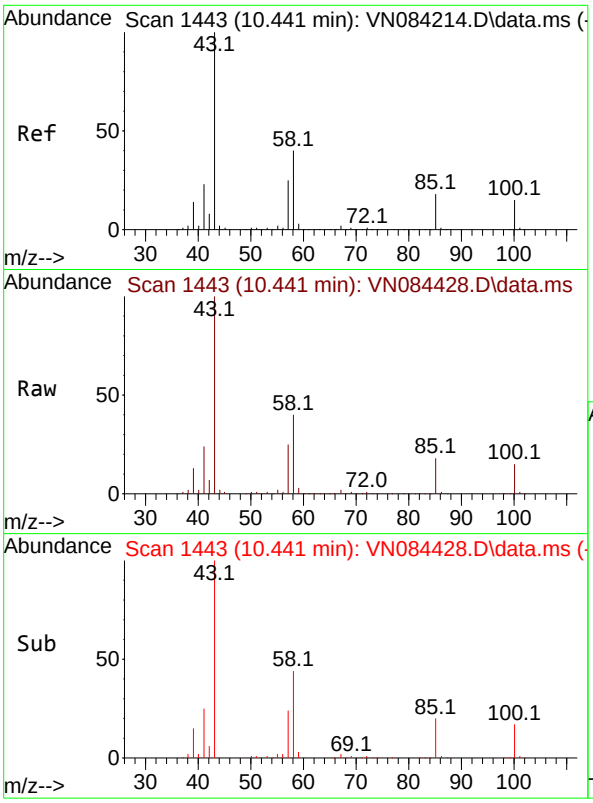


#50
Toluene-d8
Concen: 59.014 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 98 Resp: 376165

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1



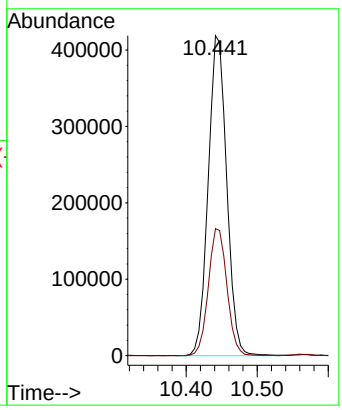


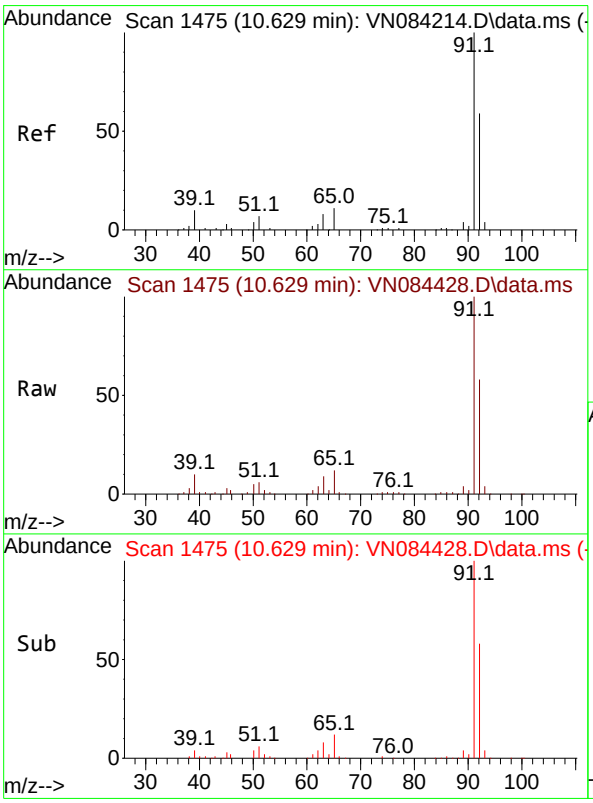
#51
4-Methyl-2-Pentanone
Concen: 308.066 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 757152

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4

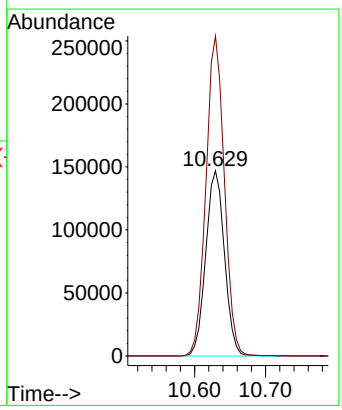


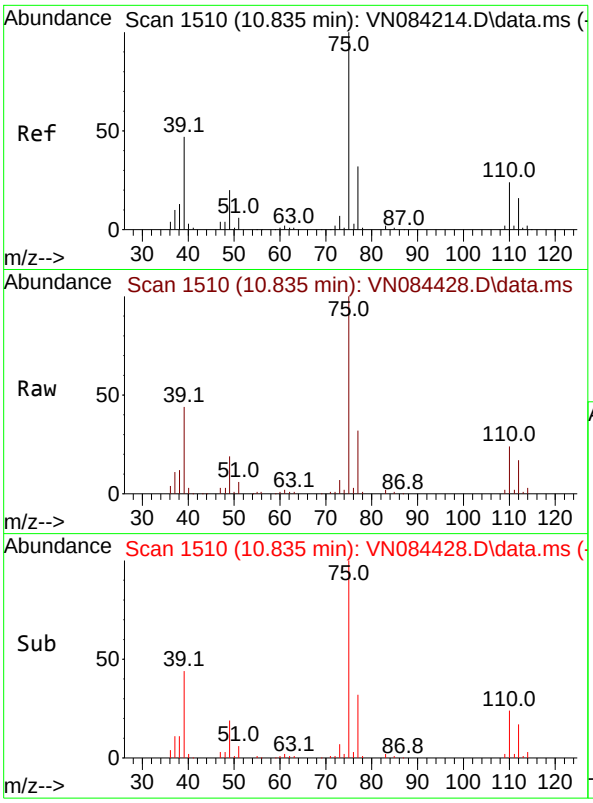


#52
Toluene
Concen: 56.231 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 92 Resp: 268859

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.3	205.9



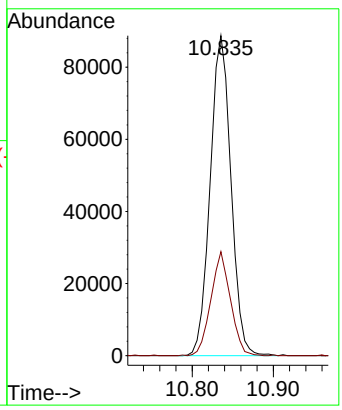


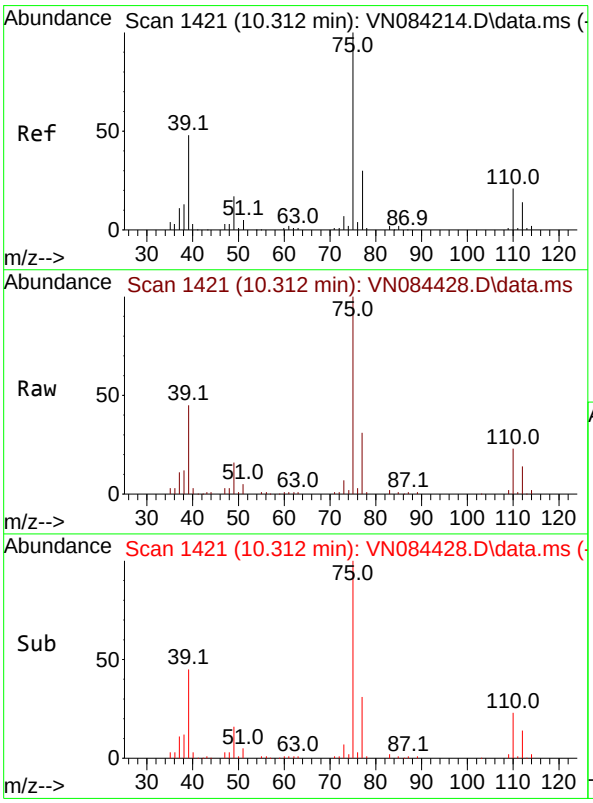
#53
t-1,3-Dichloropropene
Concen: 55.712 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 157928

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0

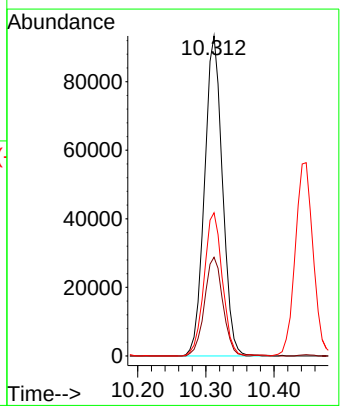


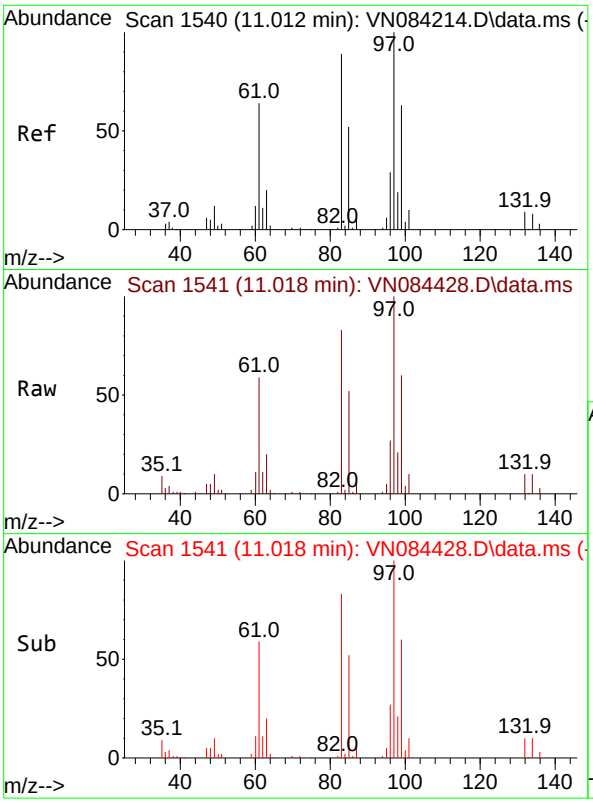


#54
cis-1,3-Dichloropropene
Concen: 56.089 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 171021

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.2	36.2
39	44.8	38.7	58.1



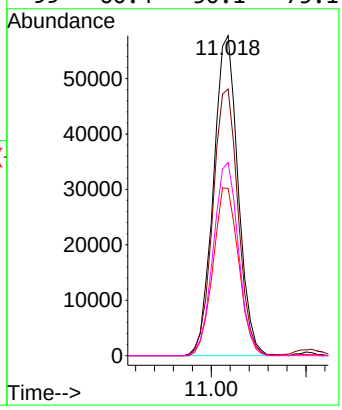


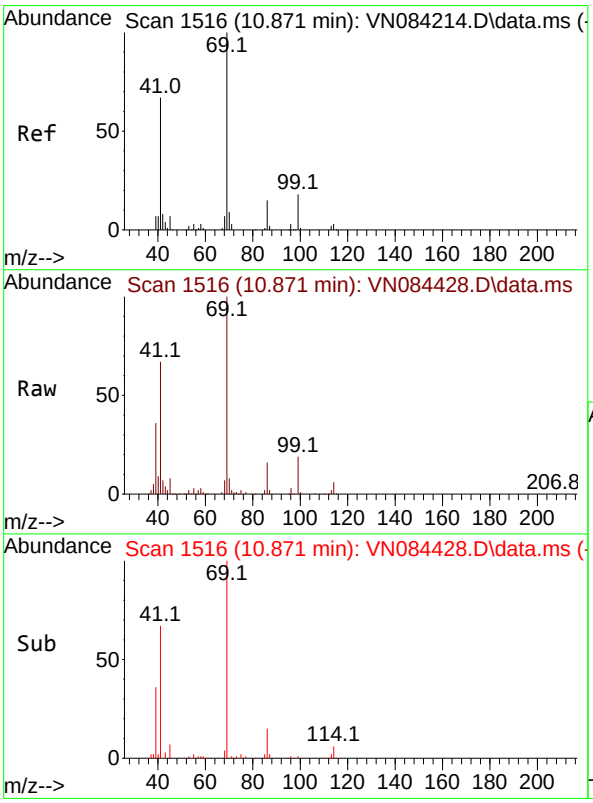
#55
1,1,2-Trichloroethane
Concen: 60.910 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 104404

Ion	Ratio	Lower	Upper
97	100		
83	83.3	71.0	106.4
85	52.3	41.7	62.5
99	60.4	50.1	75.1

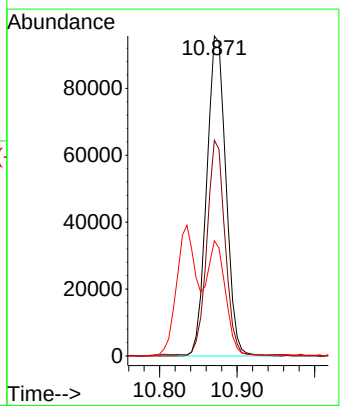


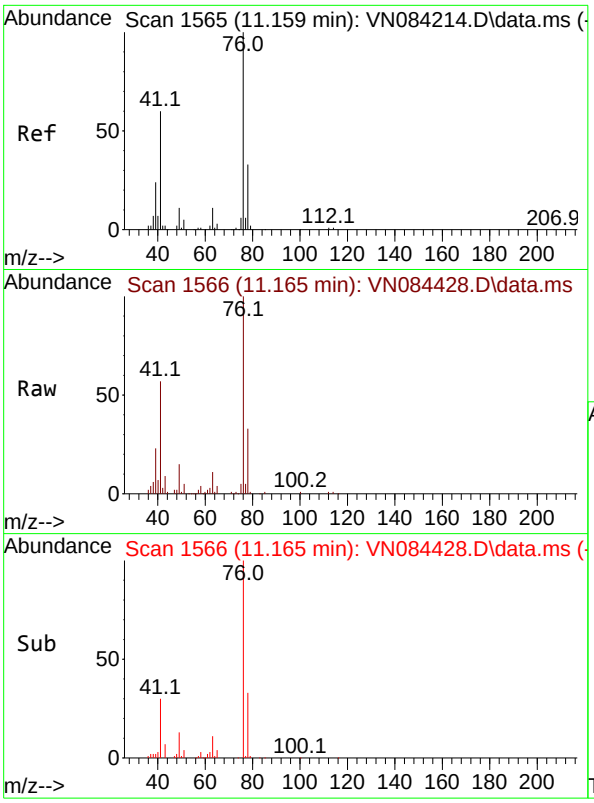


#56
Ethyl methacrylate
Concen: 58.283 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 69 Resp: 164383

Ion	Ratio	Lower	Upper
69	100		
41	63.2	53.3	79.9
39	34.8	28.8	43.2



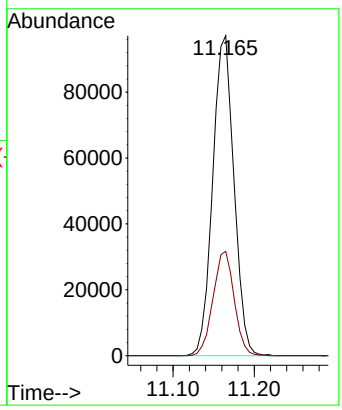


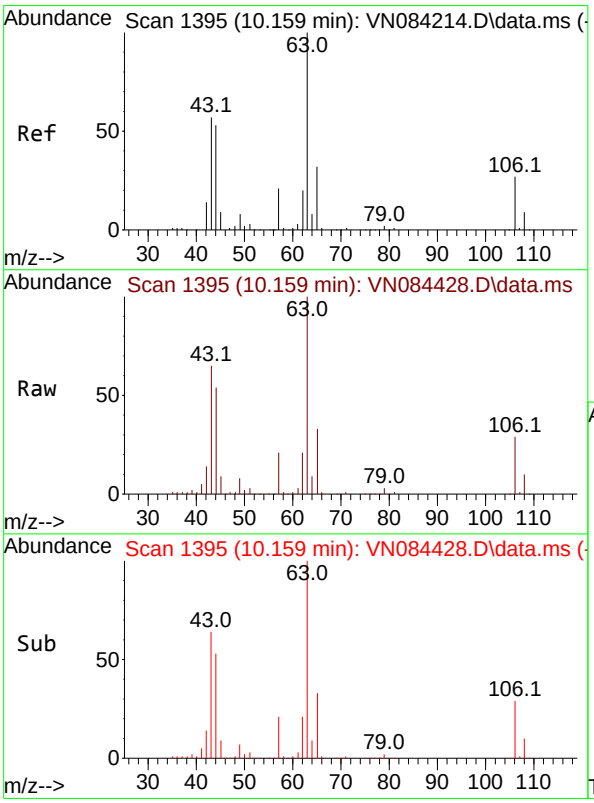
#57
1,3-Dichloropropane
Concen: 57.670 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 176631

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

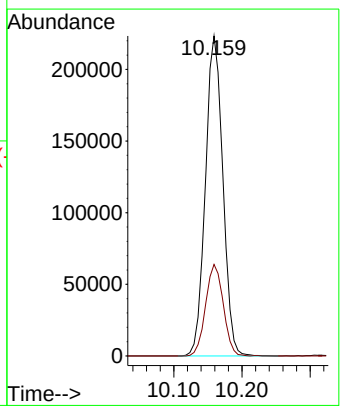


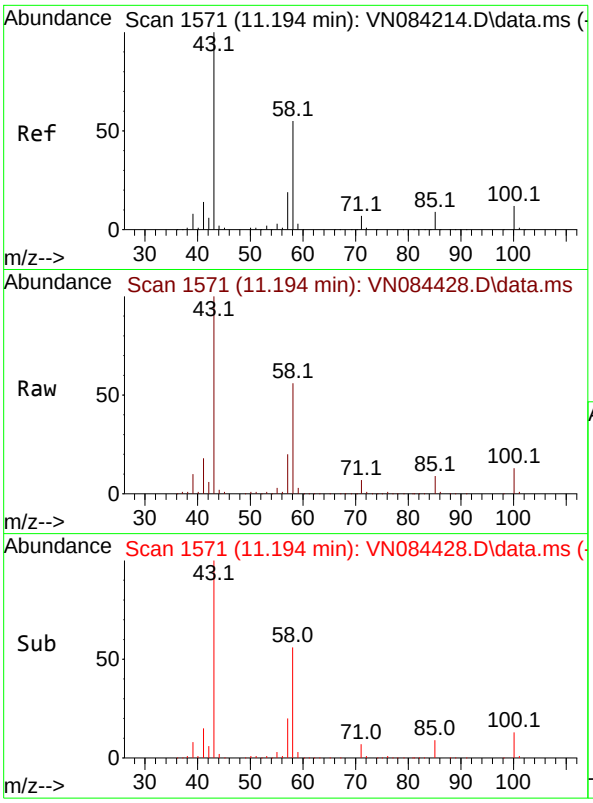


#58
2-Chloroethyl Vinyl ether
Concen: 303.996 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 63 Resp: 397738

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



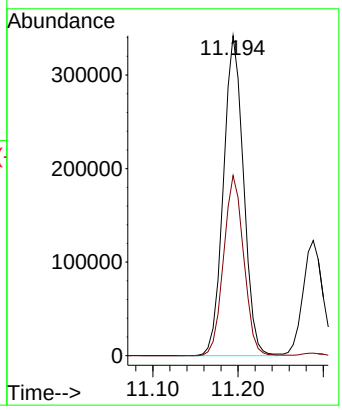


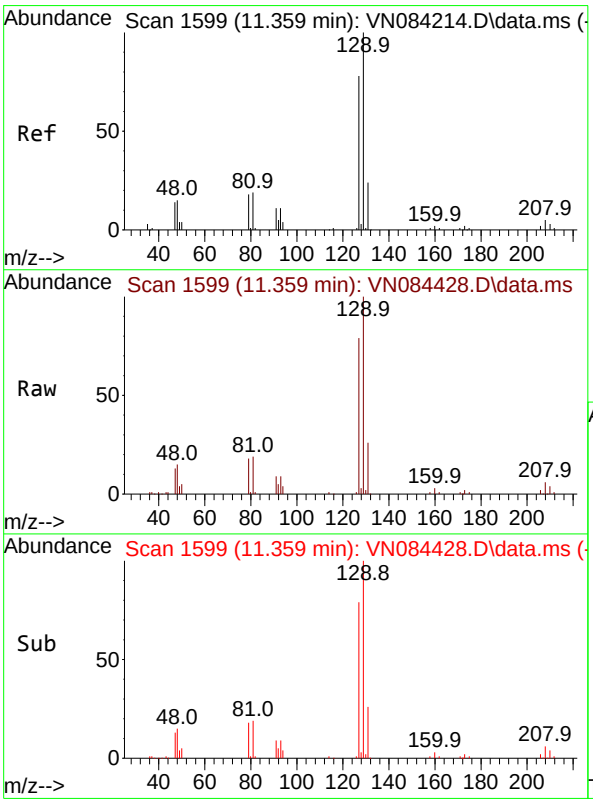
#59
2-Hexanone
Concen: 304.908 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 560104

Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.3	81.8

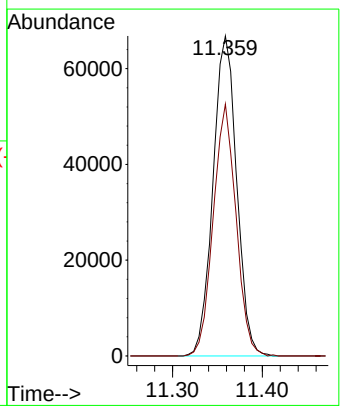


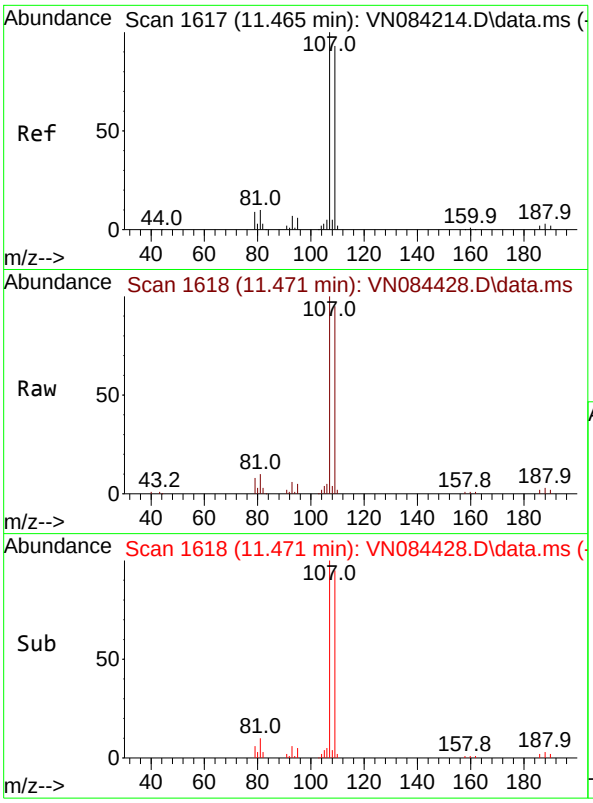


#60
Dibromochloromethane
Concen: 60.458 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:129 Resp: 122440

Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.3	114.9



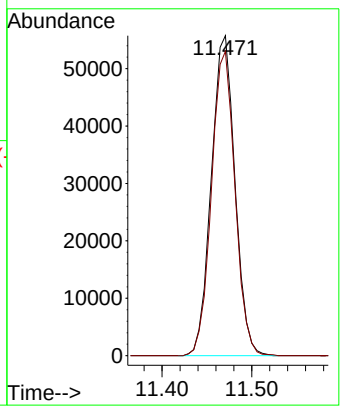


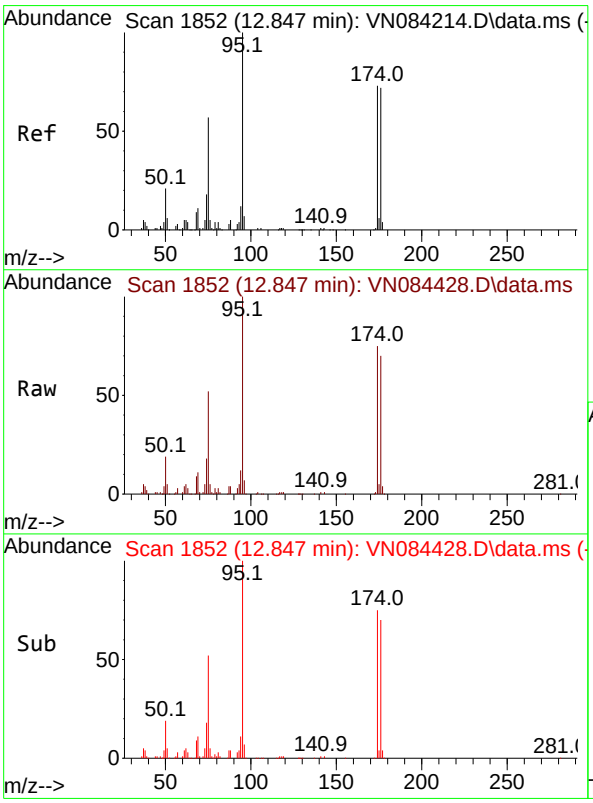
#61
1,2-Dibromoethane
Concen: 57.274 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 102008

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.0

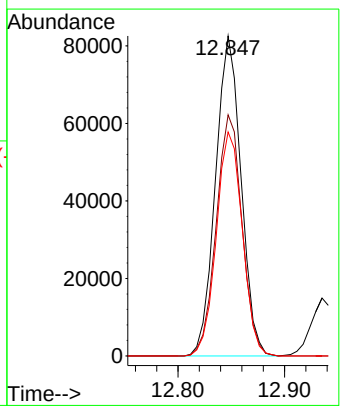


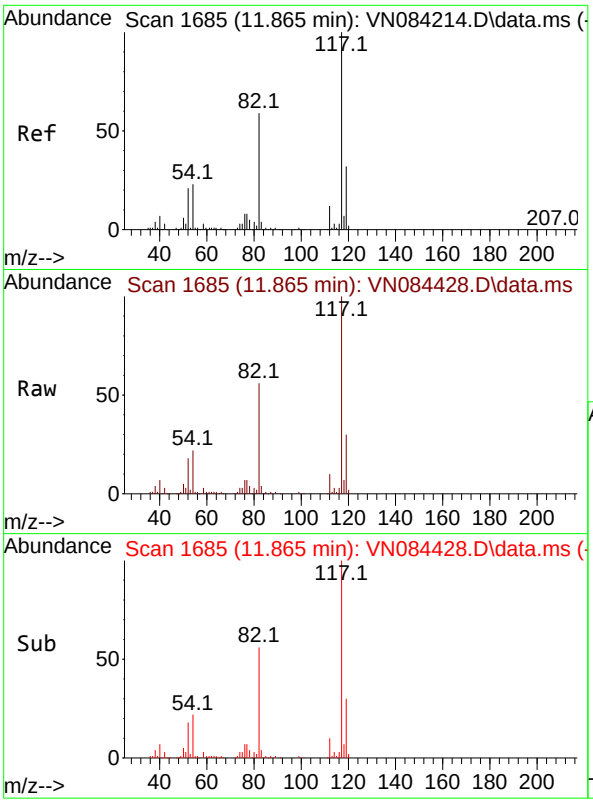


#62
4-Bromofluorobenzene
Concen: 59.102 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 95 Resp: 137246

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	71.4	0.0	140.0



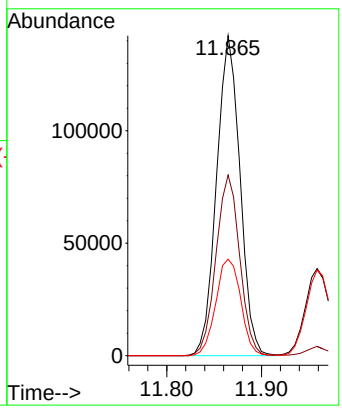


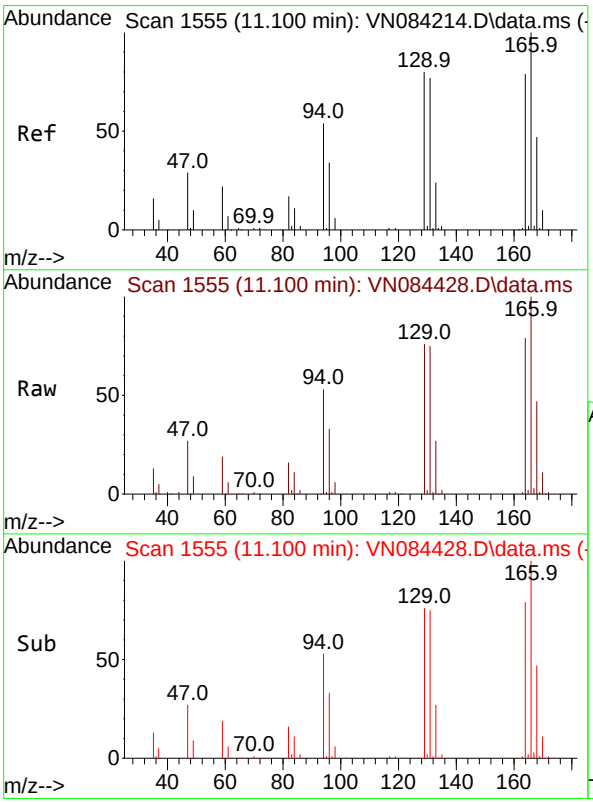
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 244635

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	30.2	25.4	38.0

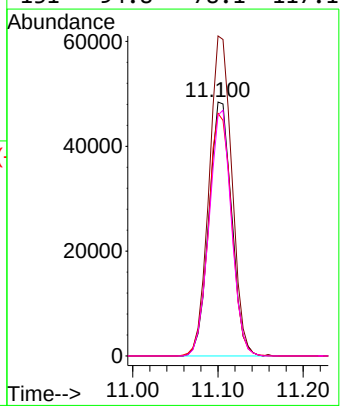


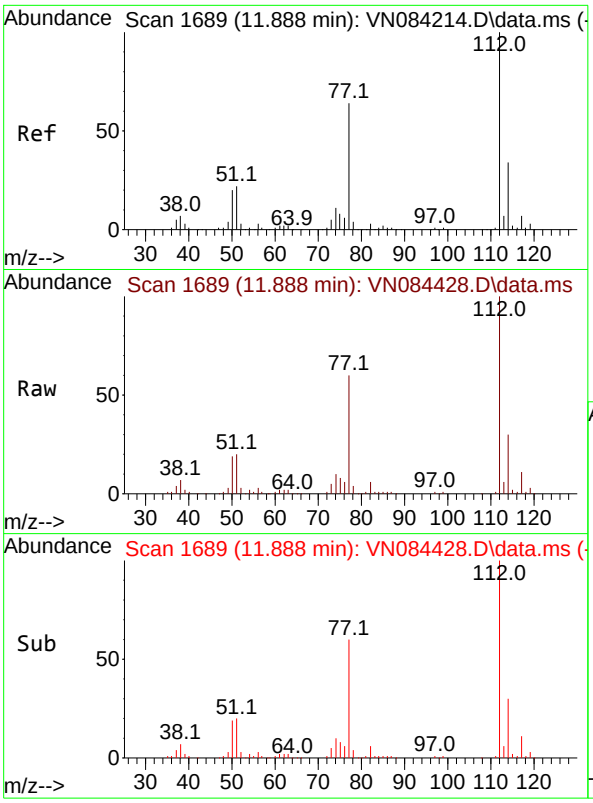


#64
Tetrachloroethene
Concen: 52.523 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:164 Resp: 89495

Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.0	151.4
129	95.5	80.8	121.2
131	94.8	78.1	117.1



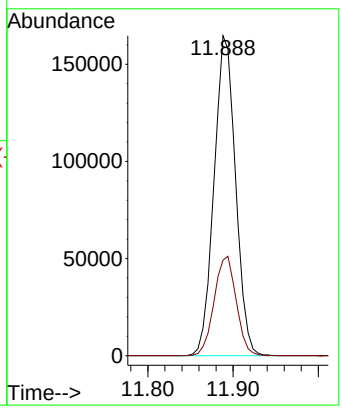


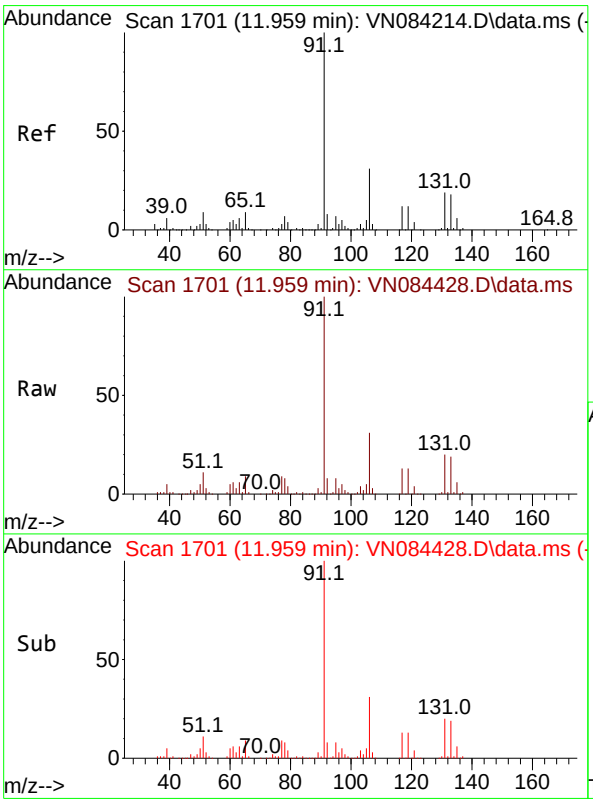
#65
Chlorobenzene
Concen: 53.283 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 289014

Ion	Ratio	Lower	Upper
112	100		
114	29.8	27.0	40.6

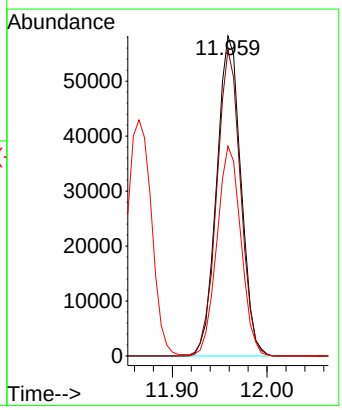


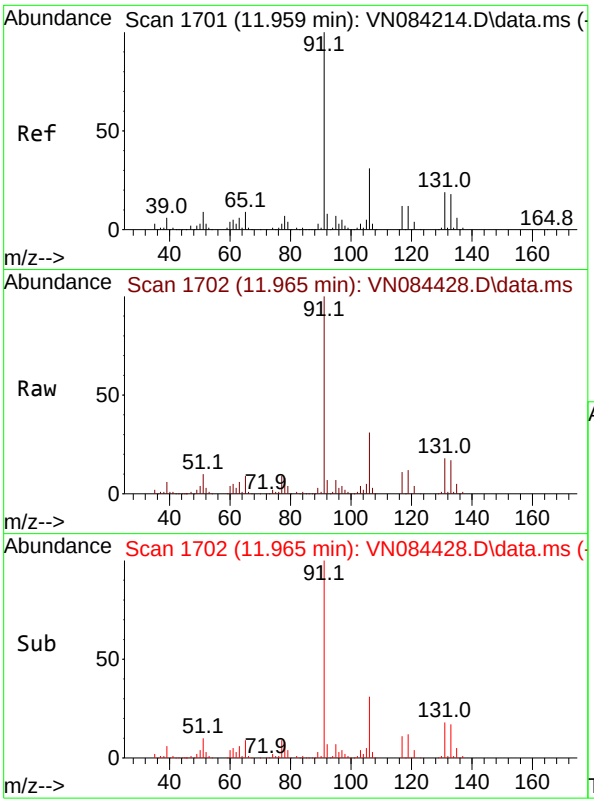


#66
1,1,1,2-Tetrachloroethane
Concen: 55.468 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:131 Resp: 103631

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.9	143.7
119	65.0	32.8	98.3



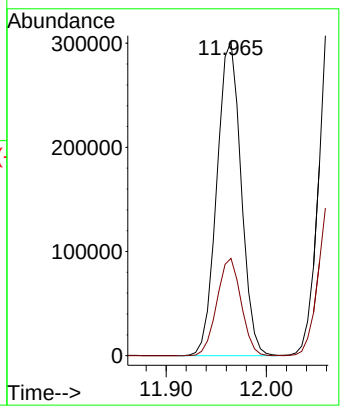


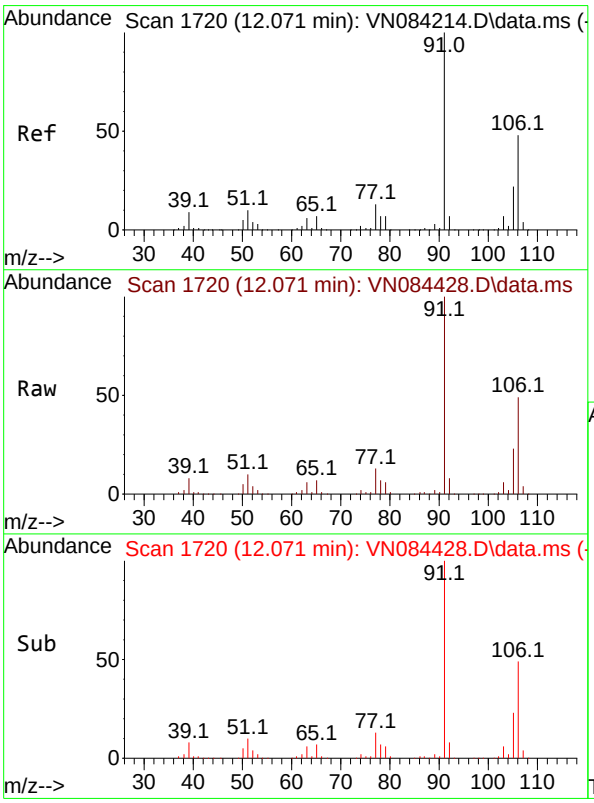
#67
Ethyl Benzene
Concen: 52.799 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 506469

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7

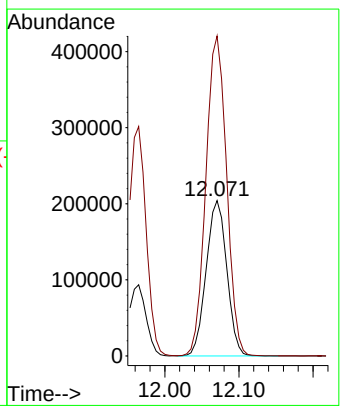


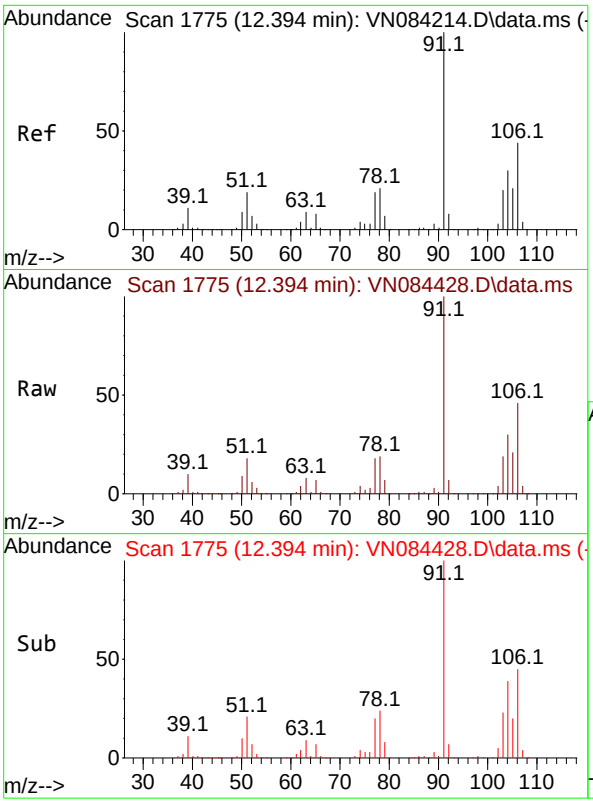


#68
m/p-Xylenes
Concen: 111.301 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:106 Resp: 394932

Ion	Ratio	Lower	Upper
106	100		
91	206.8	167.1	250.7



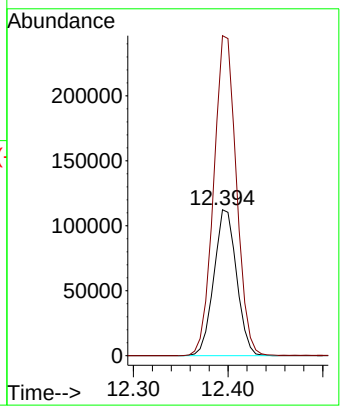


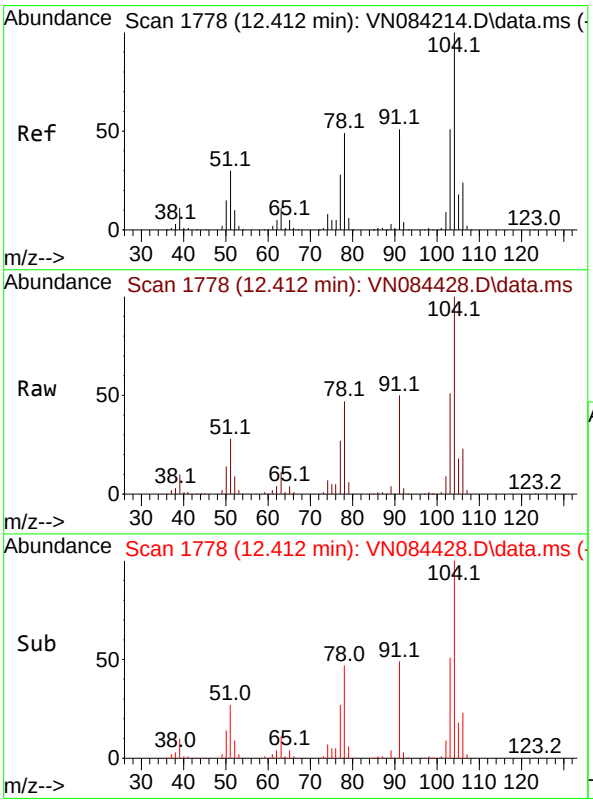
#69
o-Xylene
Concen: 55.767 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 187215

Ion	Ratio	Lower	Upper
106	100		
91	219.7	110.2	330.6

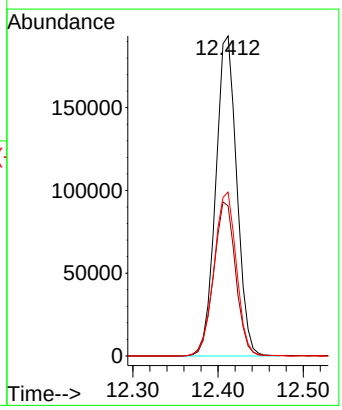


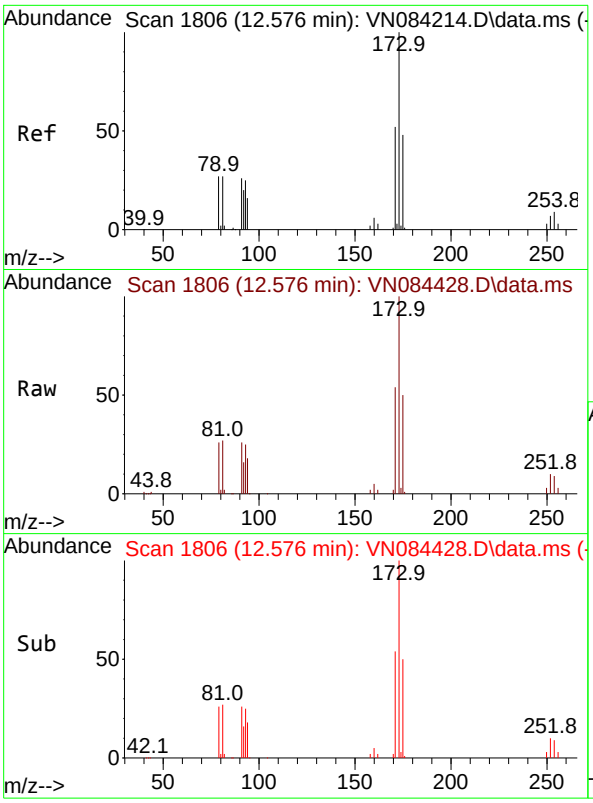


#70
Styrene
Concen: 58.246 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:104 Resp: 331204

Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.7	64.1
103	54.3	43.6	65.4



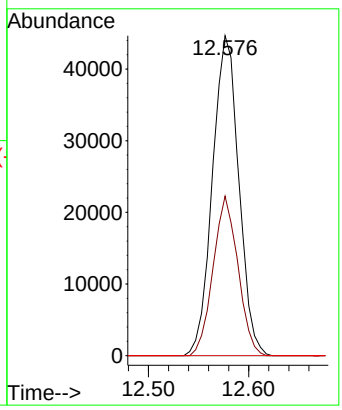


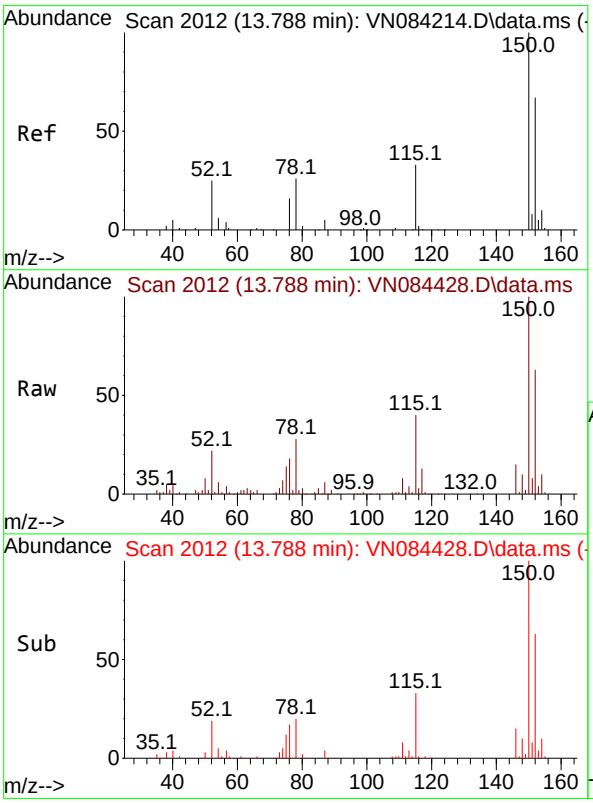
#71
Bromoform
Concen: 59.072 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 81253

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	0.0	0.0	0.0

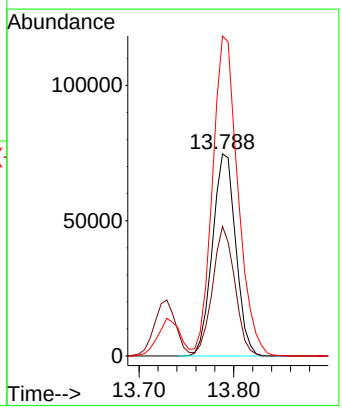


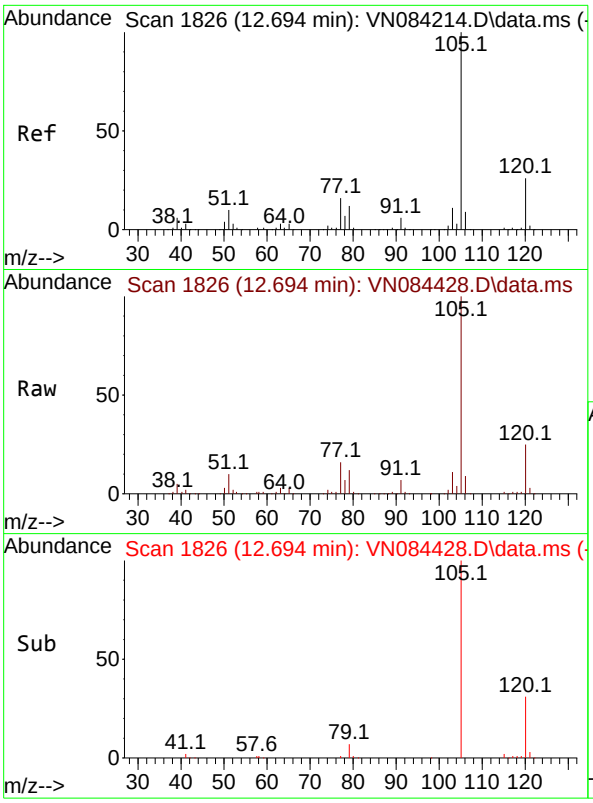


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:152 Resp: 127638

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.3	93.9
150	173.0	0.0	349.8



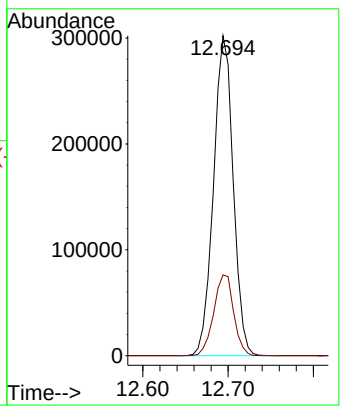


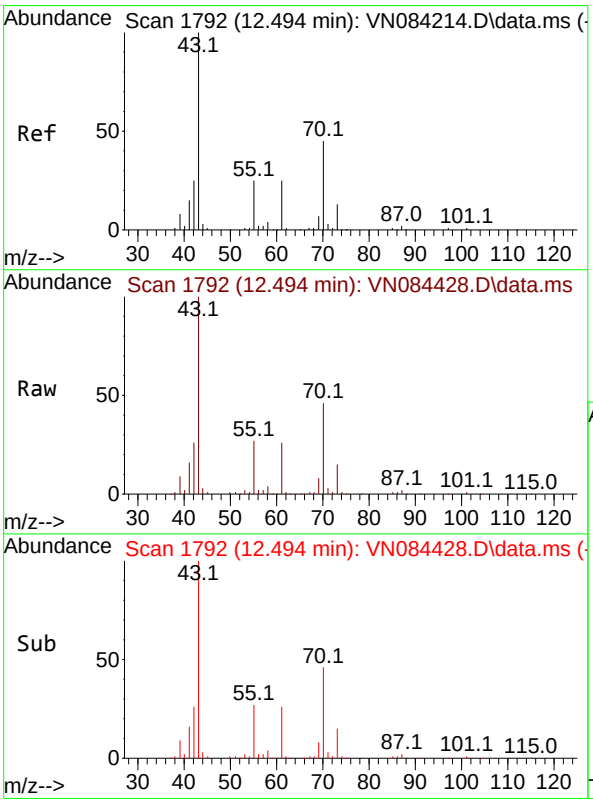
#73
Isopropylbenzene
Concen: 49.760 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 484656

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

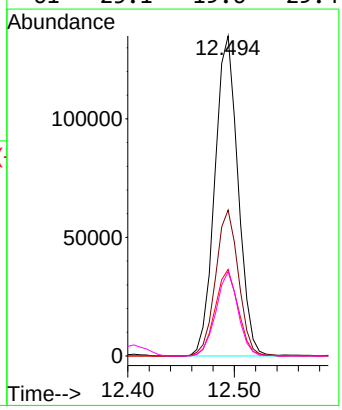


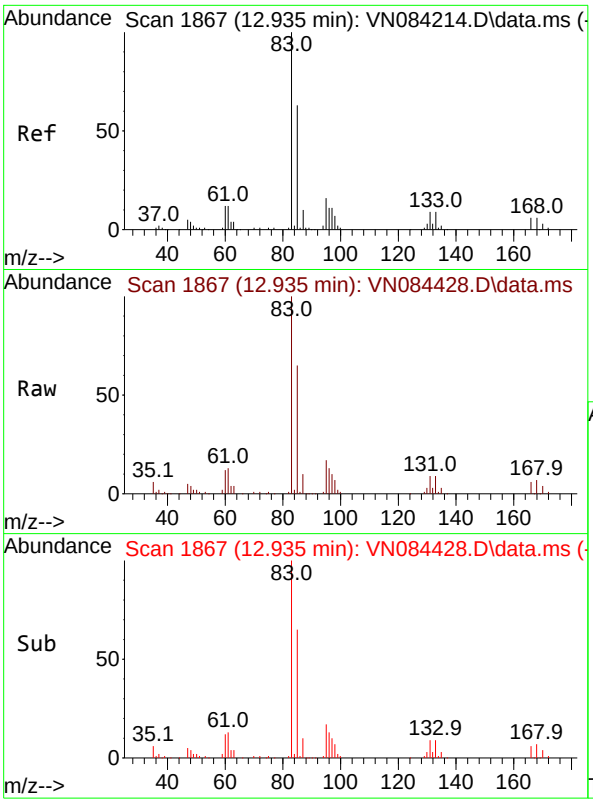


#74
N-amyl acetate
Concen: 46.332 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 43 Resp: 204351

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.4	51.6
55	26.9	19.6	29.4
61	25.1	19.6	29.4



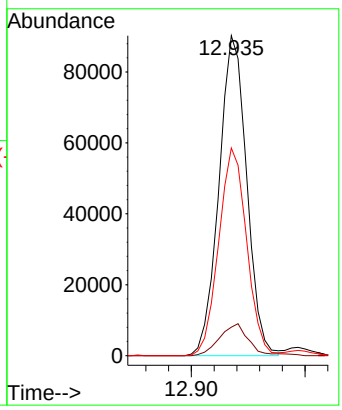


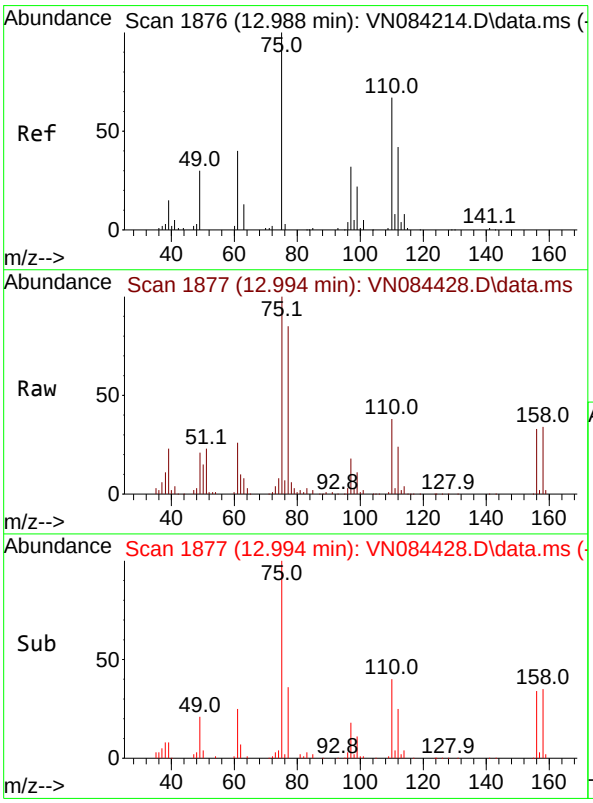
#75
1,1,2,2-Tetrachloroethane
Concen: 52.226 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 152956

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	65.3	31.9	95.7

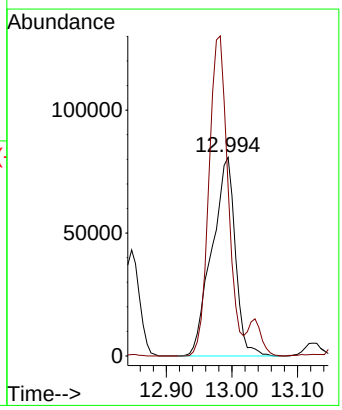


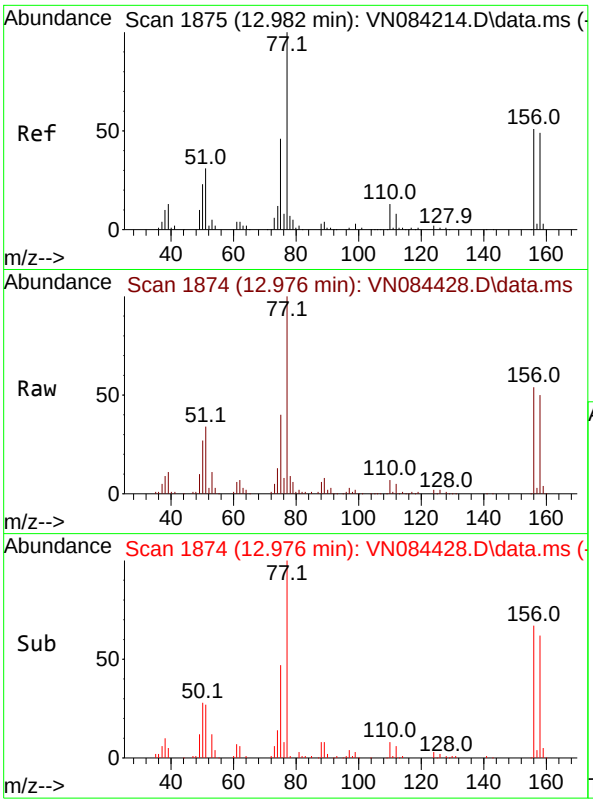


#76
1,2,3-Trichloropropane
Concen: 76.826 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 200192

Ion	Ratio	Lower	Upper
75	100		
77	131.0	96.9	290.7



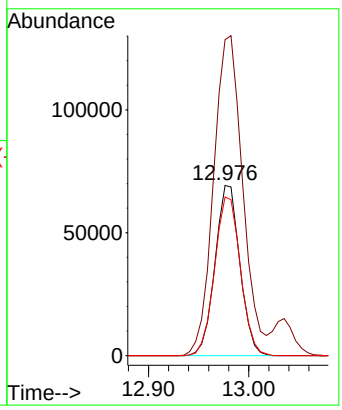


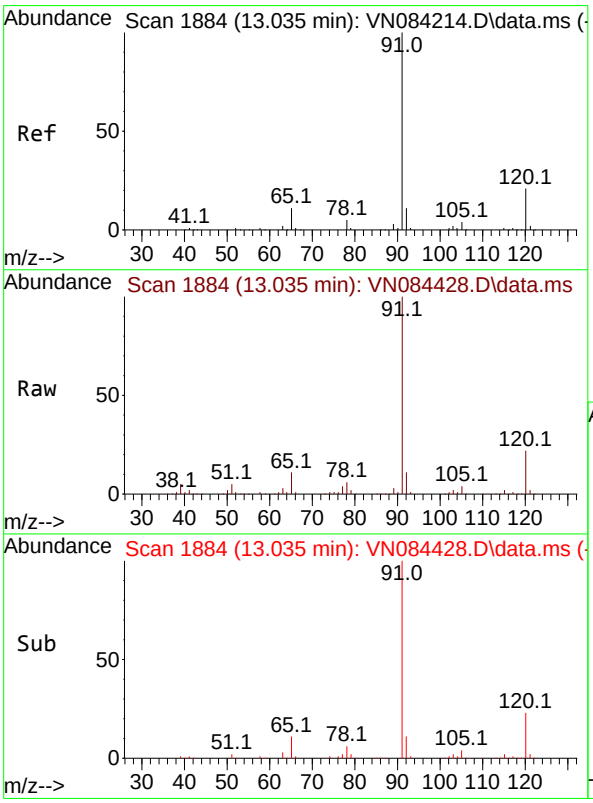
#77
Bromobenzene
Concen: 50.631 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 118952

Ion	Ratio	Lower	Upper
156	100		
77	220.5	115.1	345.3
158	97.0	48.9	146.8

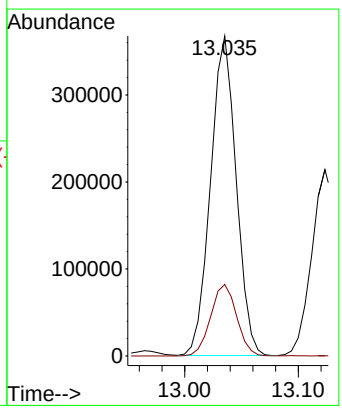


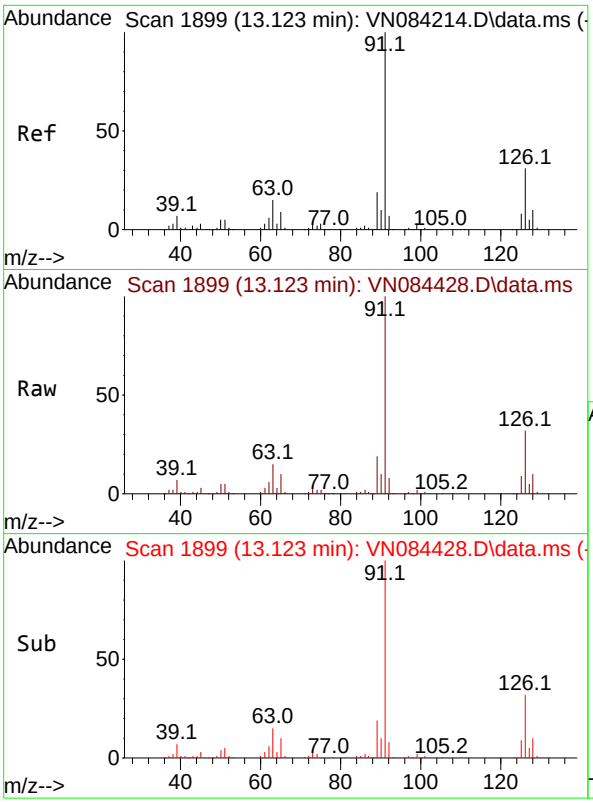


#78
n-propylbenzene
Concen: 51.101 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 91 Resp: 576662

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4



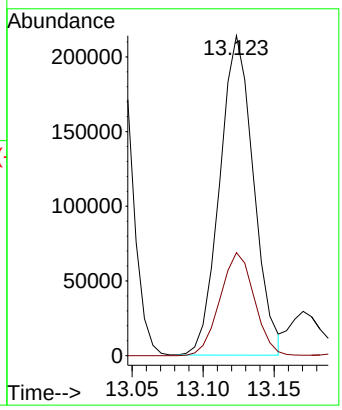


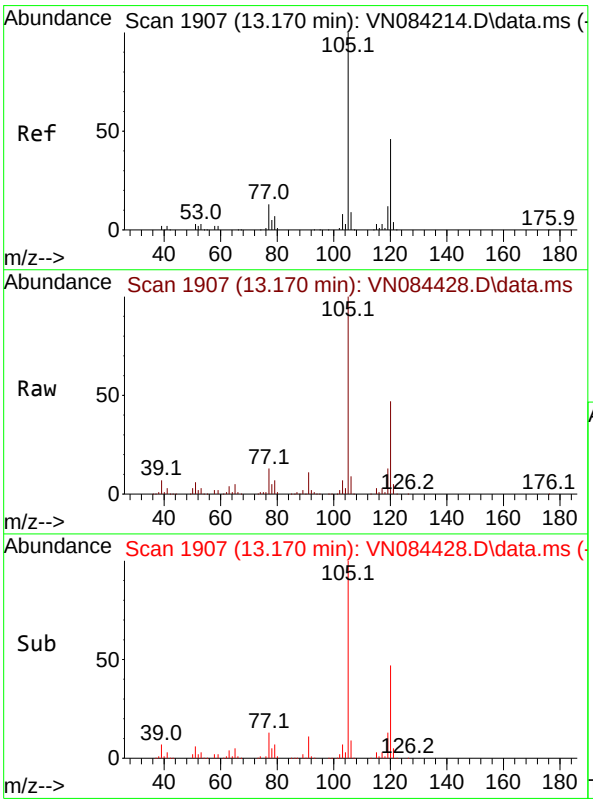
#79
2-Chlorotoluene
Concen: 49.256 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 354683

Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1

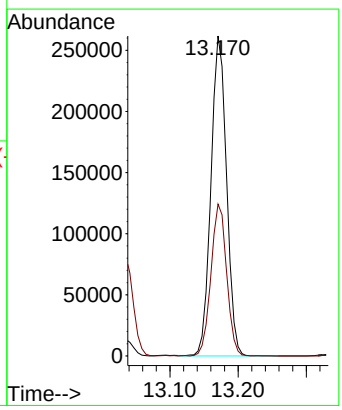


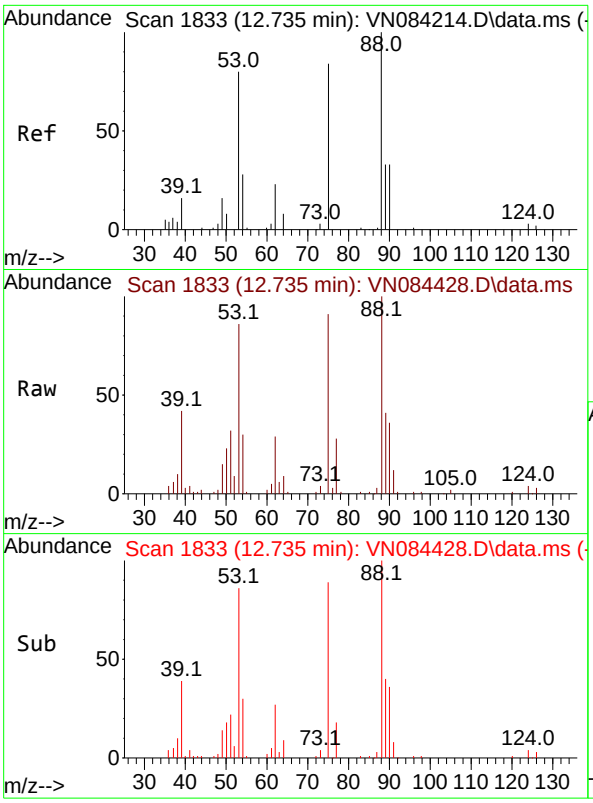


#80
1,3,5-Trimethylbenzene
Concen: 52.460 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:105 Resp: 416797

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



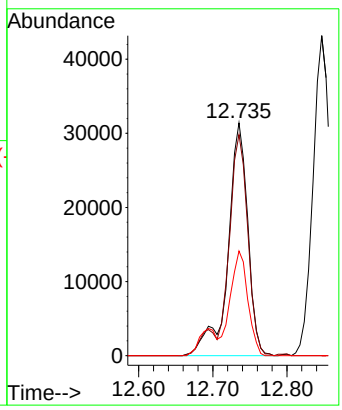


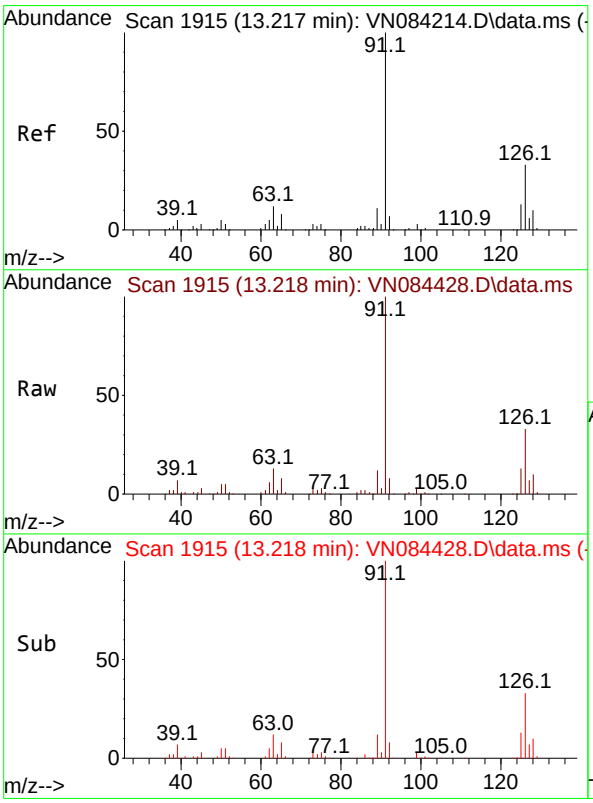
#81
trans-1,4-Dichloro-2-butene
Concen: 53.835 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 58513

Ion	Ratio	Lower	Upper
75	100		
53	86.4	78.0	117.0
89	40.2	35.5	53.3

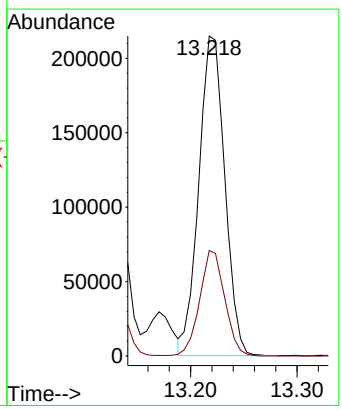


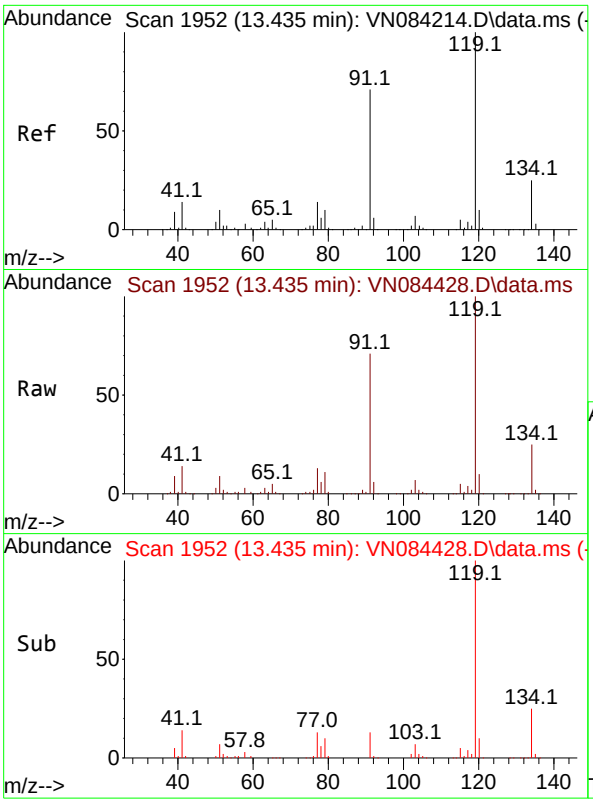


#82
4-Chlorotoluene
Concen: 50.275 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 91 Resp: 364438

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



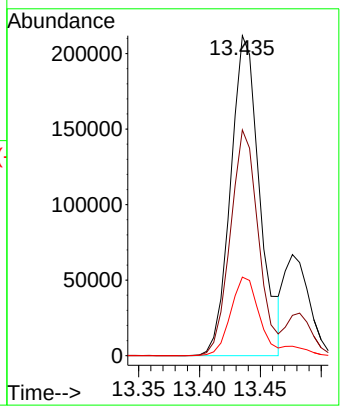


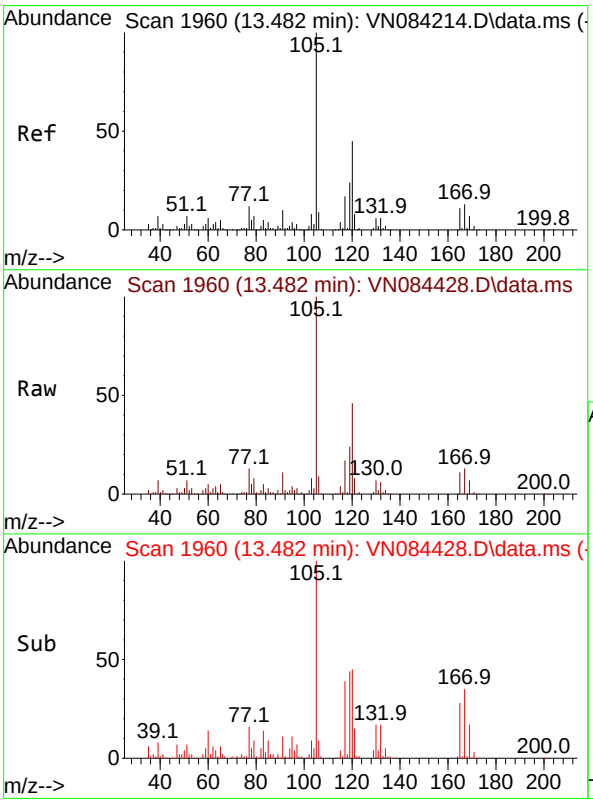
#83
tert-Butylbenzene
Concen: 49.862 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 352099

Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	26.4	12.8	38.4

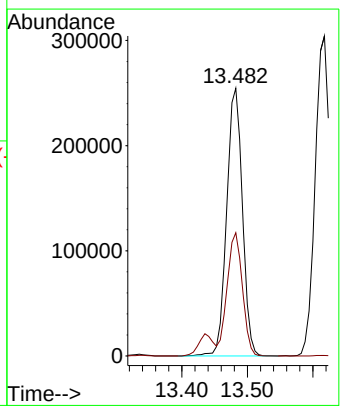


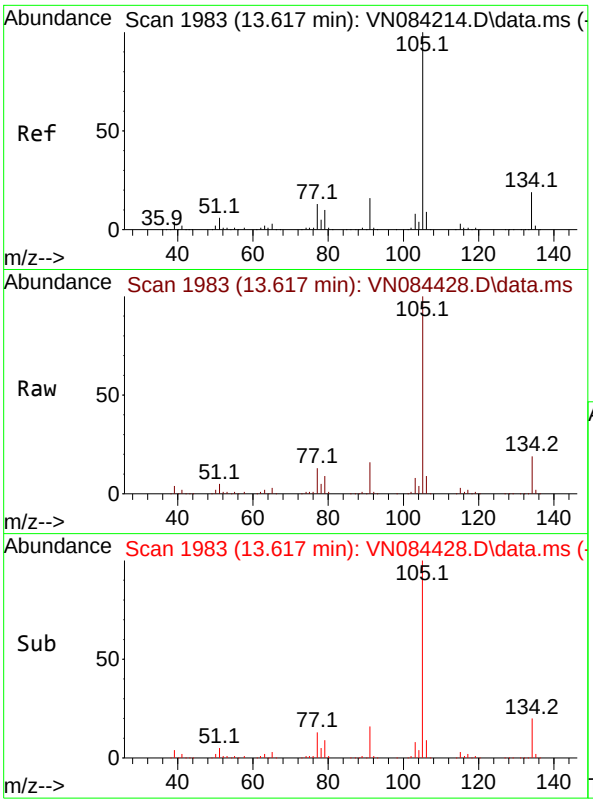


#84
1,2,4-Trimethylbenzene
Concen: 52.722 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:105 Resp: 421969

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.8



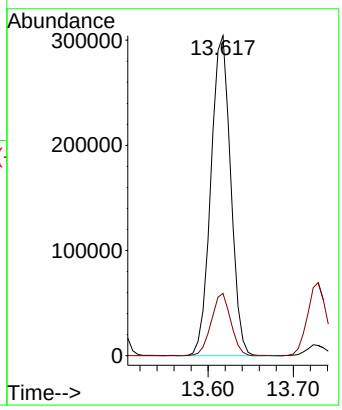


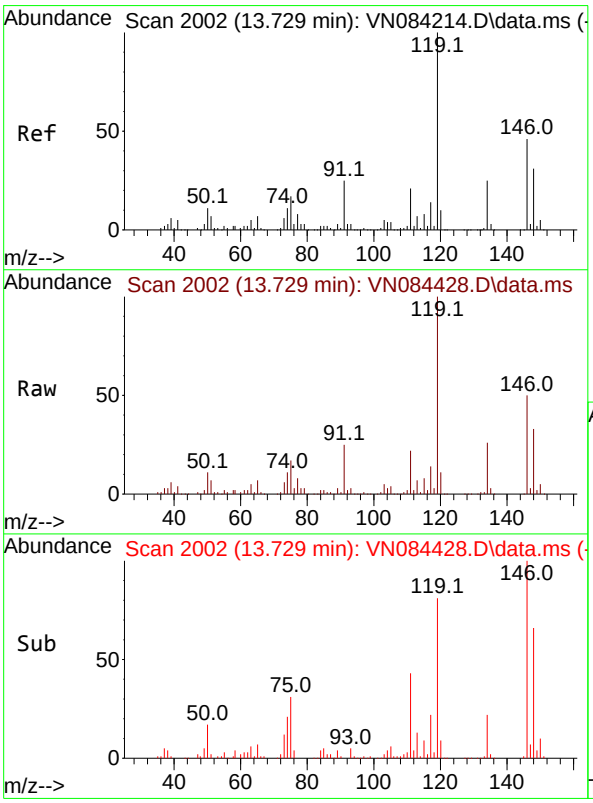
#85
sec-Butylbenzene
Concen: 52.226 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 492135

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

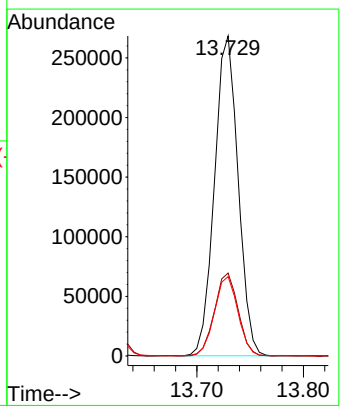


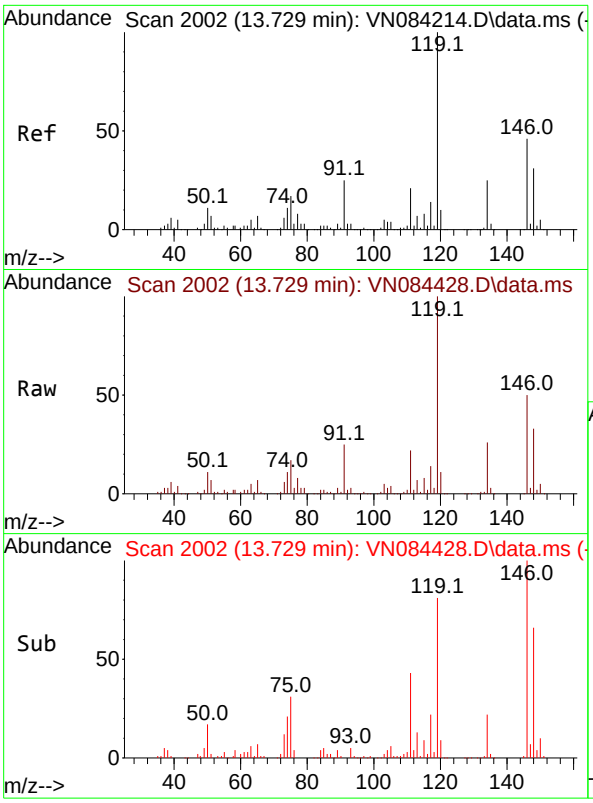


#86
p-Isopropyltoluene
Concen: 52.906 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:119 Resp: 412249

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	24.7	12.4	37.2



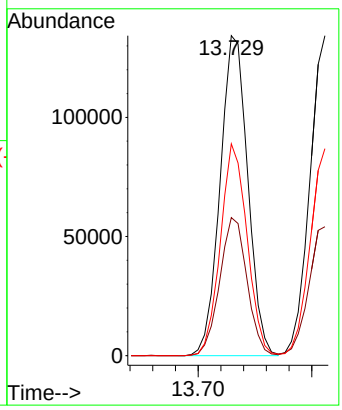


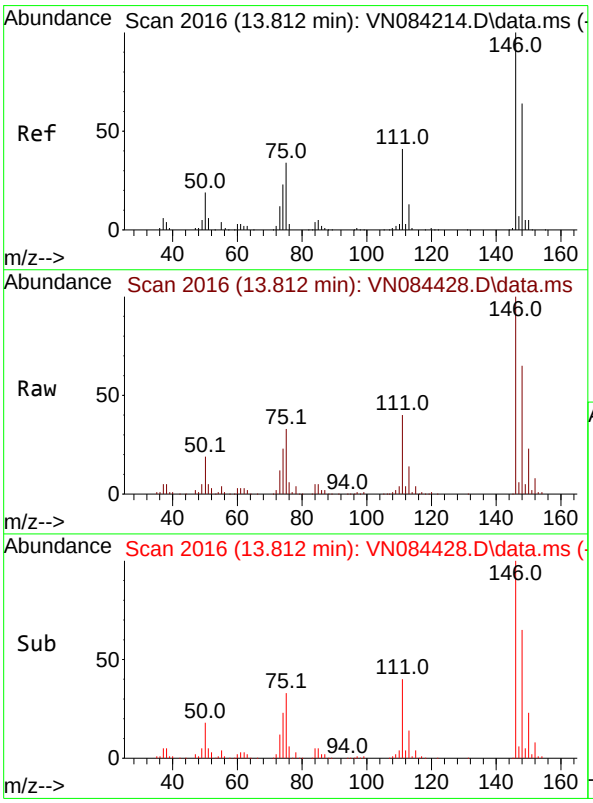
#87
1,3-Dichlorobenzene
Concen: 51.493 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 226954

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.9	31.9	95.7

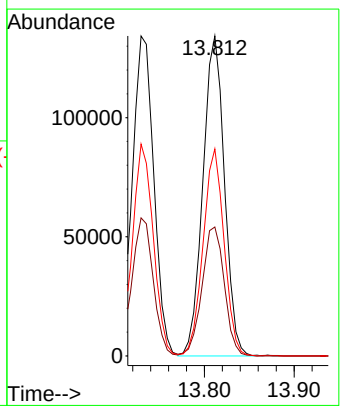


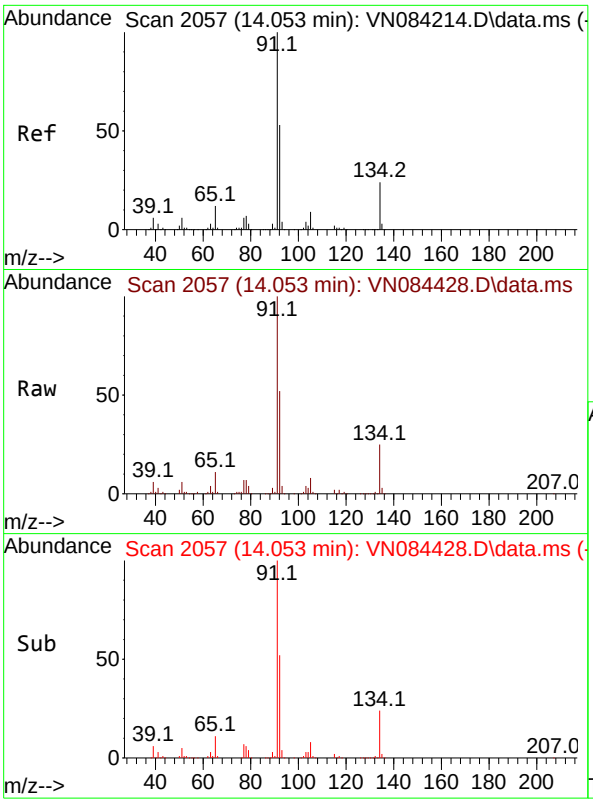


#88
1,4-Dichlorobenzene
Concen: 50.322 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:146 Resp: 223977

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	63.1	31.9	95.9



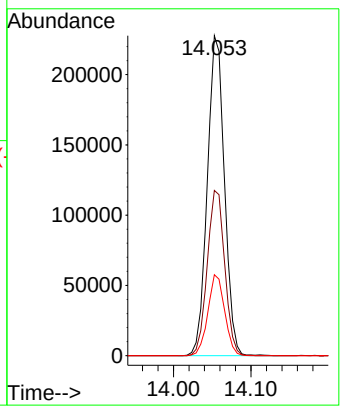


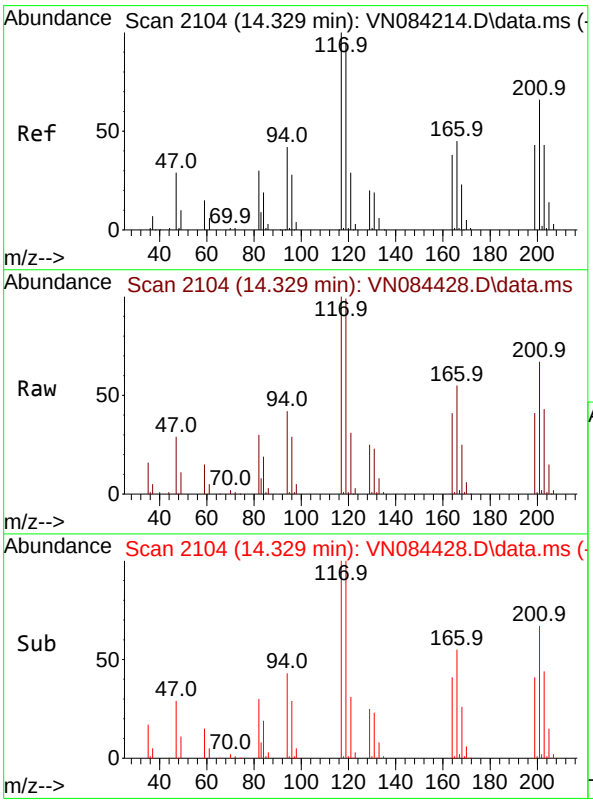
#89
n-Butylbenzene
Concen: 49.495 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 349709

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	24.9	12.3	36.9

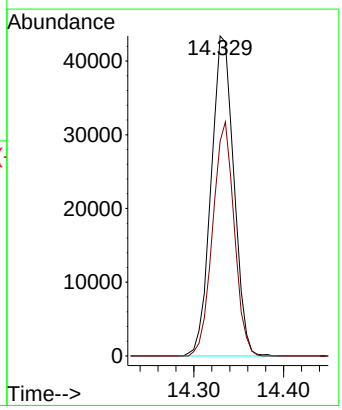


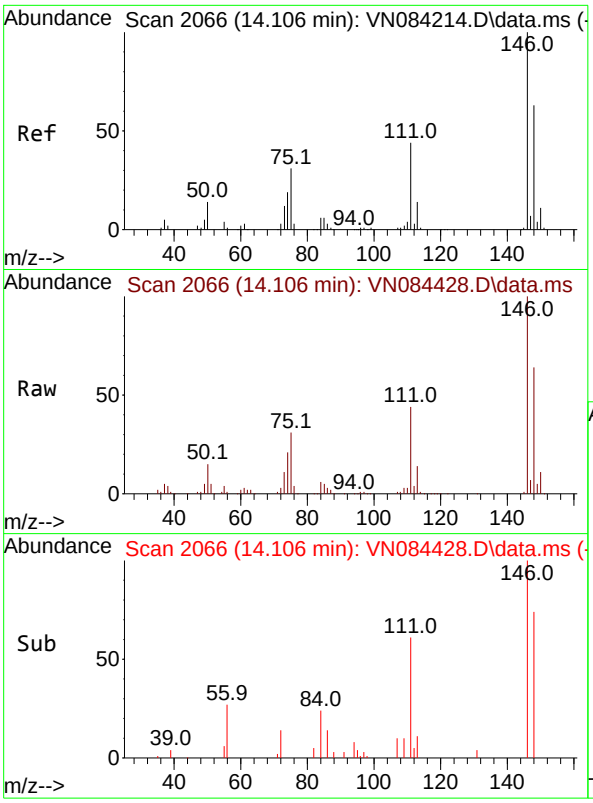


#90
Hexachloroethane
Concen: 48.204 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:117 Resp: 76242

Ion	Ratio	Lower	Upper
117	100		
201	69.3	34.4	103.2



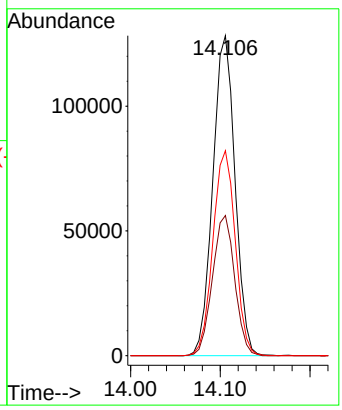


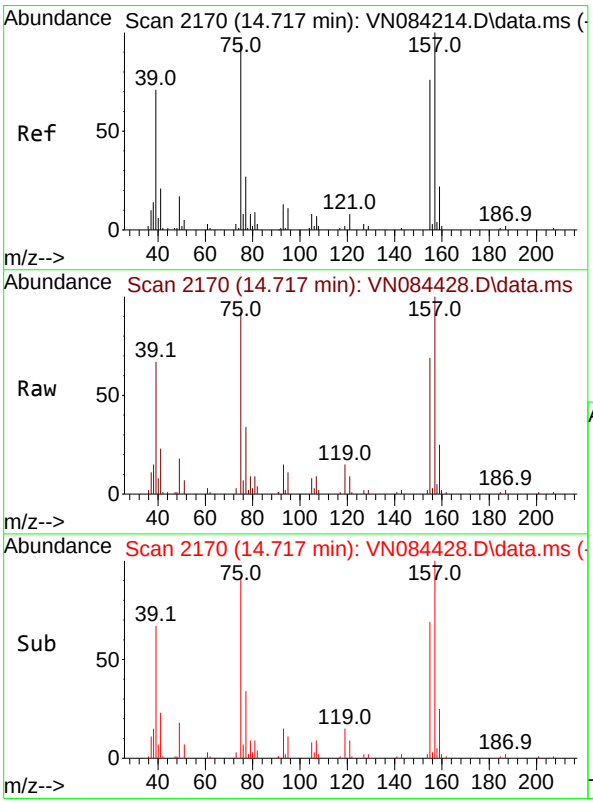
#91
1,2-Dichlorobenzene
Concen: 50.991 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 220370

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.4	32.1	96.3

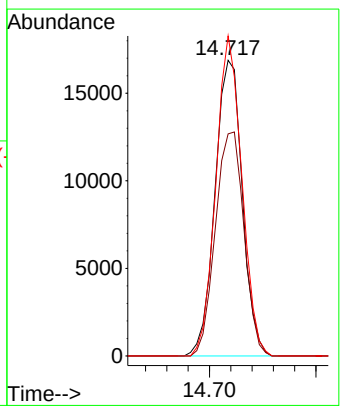


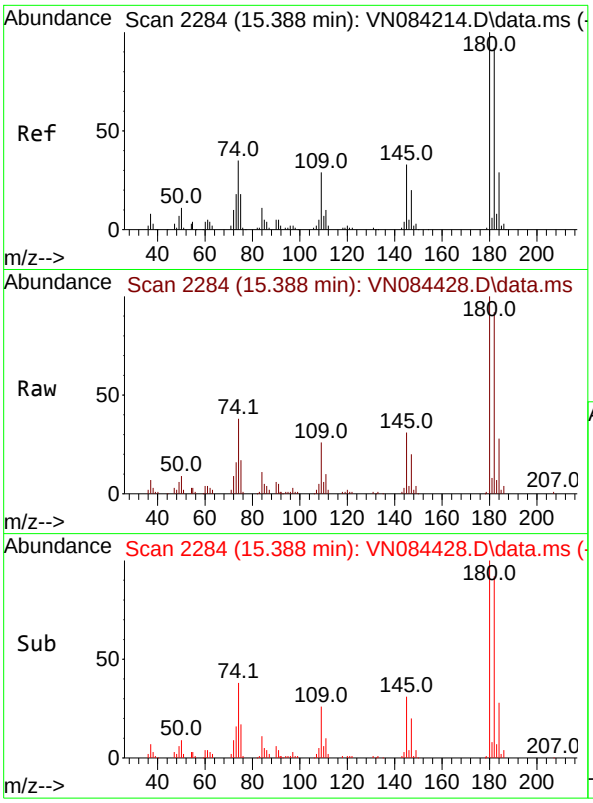


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.657 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion: 75 Resp: 30011

Ion	Ratio	Lower	Upper
75	100		
155	79.3	38.1	114.5
157	102.7	49.6	149.0



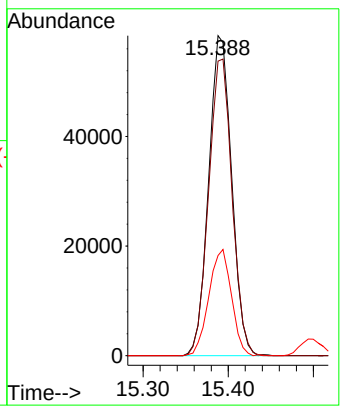


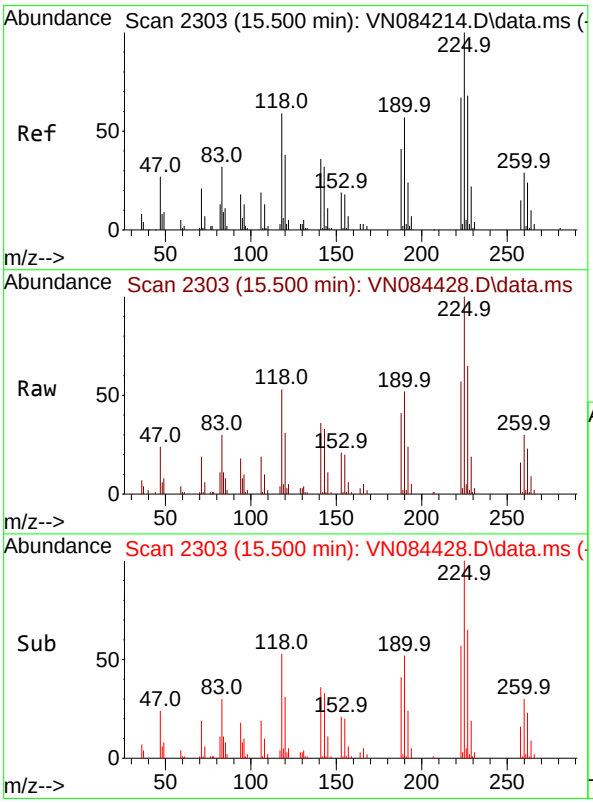
#93
1,2,4-Trichlorobenzene
Concen: 51.373 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 109356

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	32.7	16.4	49.4

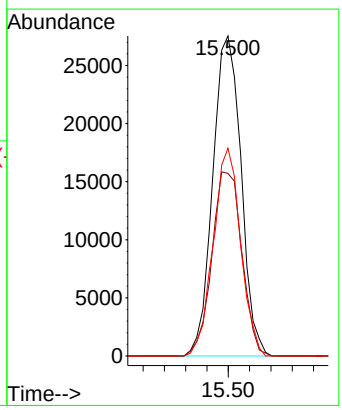


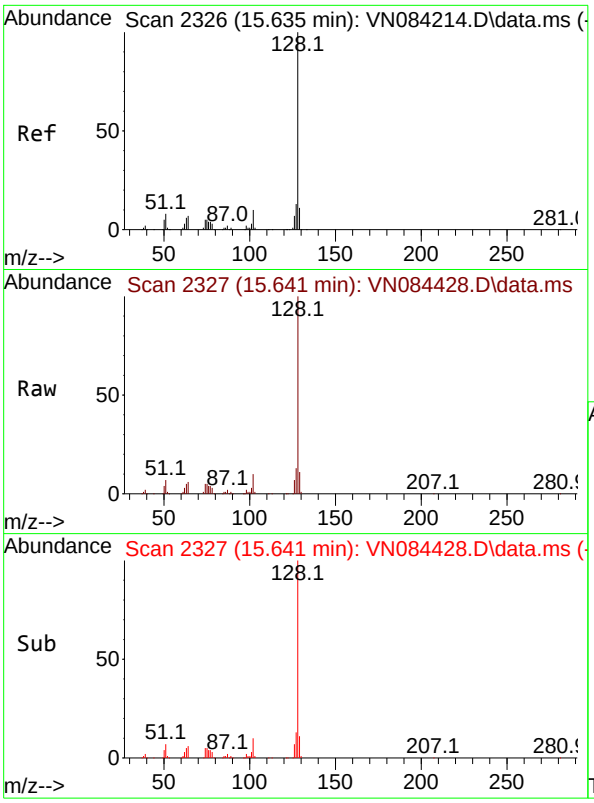


#94
Hexachlorobutadiene
Concen: 47.838 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:225 Resp: 50783

Ion	Ratio	Lower	Upper
225	100		
223	60.9	32.4	97.2
227	62.5	32.4	97.0



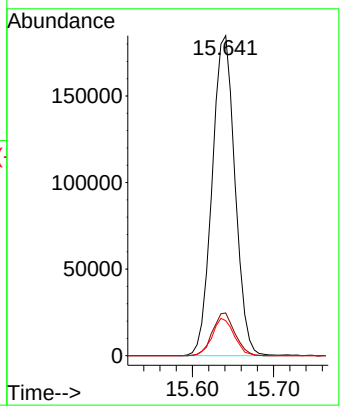


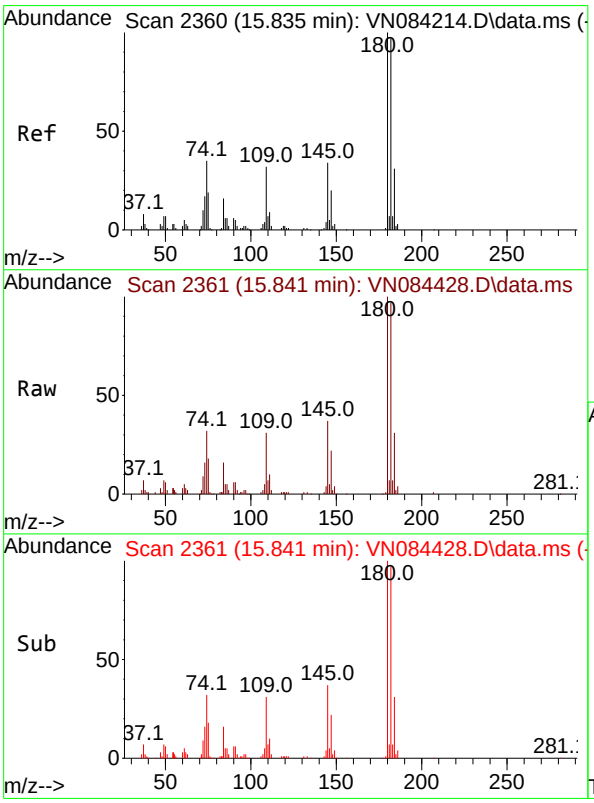
#95
Naphthalene
Concen: 51.214 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 361412

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	8.7	13.1

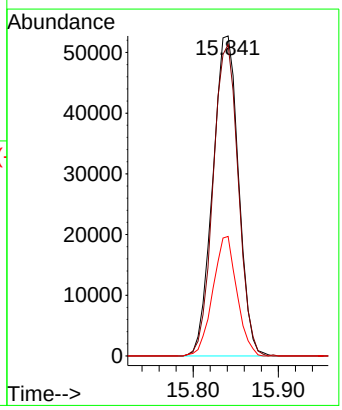




#96
1,2,3-Trichlorobenzene
Concen: 52.021 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084428.D
Acq: 21 Oct 2024 11:38

Tgt Ion:180 Resp: 110846

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	34.9	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Quant Time: Oct 22 01:32:48 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	189913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.165	113	115508	54.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.520%			
50) Toluene-d8	10.565	98	422532	53.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.847	95	149865	52.521	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	36261	16.142	ug/l	95
3) Chloromethane	2.359	50	41235	16.076	ug/l	96
4) Vinyl Chloride	2.512	62	41507	16.706	ug/l	100
5) Bromomethane	2.953	94	26963	16.453	ug/l	98
6) Chloroethane	3.124	64	26726	15.020	ug/l	99
7) Trichlorofluoromethane	3.500	101	70146	18.131	ug/l	98
8) Diethyl Ether	3.965	74	24127	16.814	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	40161	18.116	ug/l	98
10) Methyl Iodide	4.589	142	48908	17.131	ug/l	96
11) Tert butyl alcohol	5.518	59	36415	78.429	ug/l #	94
12) 1,1-Dichloroethene	4.342	96	37659	17.612	ug/l	97
13) Acrolein	4.183	56	26602	49.907	ug/l	98
14) Allyl chloride	5.024	41	58352	15.713	ug/l	98
15) Acrylonitrile	5.718	53	109279	93.202	ug/l	99
16) Acetone	4.430	43	105837	87.496	ug/l	96
17) Carbon Disulfide	4.712	76	96169	14.205	ug/l	100
18) Methyl Acetate	5.030	43	59251	22.474	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	130984	18.149	ug/l	98
20) Methylene Chloride	5.271	84	45743	18.603	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	38888	17.359	ug/l	95
22) Diisopropyl ether	6.671	45	141732	18.451	ug/l	98
23) Vinyl Acetate	6.600	43	468614	82.252	ug/l	98
24) 1,1-Dichloroethane	6.571	63	82481	19.201	ug/l	97
25) 2-Butanone	7.483	43	146074	88.663	ug/l	98
26) 2,2-Dichloropropane	7.488	77	71005	18.333	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	49184	18.169	ug/l	98
28) Bromochloromethane	7.812	49	37550	19.592	ug/l	97
29) Tetrahydrofuran	7.841	42	90421	88.935	ug/l	98
30) Chloroform	7.971	83	84755	18.995	ug/l	100
31) Cyclohexane	8.259	56	66762	16.007	ug/l #	97
32) 1,1,1-Trichloroethane	8.171	97	74940	18.700	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56161	18.162	ug/l	97
37) Ethyl Acetate	7.559	43	57455	18.111	ug/l	99
38) Carbon Tetrachloride	8.365	117	64152	18.912	ug/l	94
39) Methylcyclohexane	9.600	83	55643	16.168	ug/l	96
40) Benzene	8.606	78	183073	19.002	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Quant Time: Oct 22 01:32:48 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	29860	17.338	ug/l		93
42) 1,2-Dichloroethane	8.671	62	61753	18.907	ug/l		99
43) Isopropyl Acetate	8.688	43	94050	15.136	ug/l		98
44) Trichloroethene	9.347	130	43127	19.166	ug/l		98
45) 1,2-Dichloropropane	9.624	63	44771	19.644	ug/l		98
46) Dibromomethane	9.706	93	31378	20.401	ug/l		96
47) Bromodichloromethane	9.888	83	66599	19.490	ug/l		96
48) Methyl methacrylate	9.682	41	43352	17.526	ug/l		98
49) 1,4-Dioxane	9.694	88	16997	373.245	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	292338	96.801	ug/l		100
52) Toluene	10.629	92	114864	19.551	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	64356	18.476	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	70777	18.891	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	43053	20.441	ug/l		97
56) Ethyl methacrylate	10.871	69	65255	18.829	ug/l		96
57) 1,3-Dichloropropane	11.165	76	74113	19.693	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	139755	86.930	ug/l		98
59) 2-Hexanone	11.194	43	216944	96.112	ug/l		99
60) Dibromochloromethane	11.359	129	50030	20.104	ug/l		99
61) 1,2-Dibromoethane	11.465	107	41569	18.994	ug/l		98
64) Tetrachloroethene	11.100	164	37454	18.924	ug/l		95
65) Chlorobenzene	11.888	112	121076	19.217	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	43109	19.865	ug/l		99
67) Ethyl Benzene	11.965	91	205793	18.470	ug/l		100
68) m/p-Xylenes	12.070	106	158675	38.498	ug/l		100
69) o-Xylene	12.400	106	78180	20.049	ug/l		96
70) Styrene	12.412	104	129069	19.541	ug/l		99
71) Bromoform	12.576	173	31202	19.529	ug/l	#	95
73) Isopropylbenzene	12.694	105	191996	18.189	ug/l		98
74) N-amyl acetate	12.494	43	79653	16.664	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	61726	19.448	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	79646	28.204	ug/l		59
77) Bromobenzene	12.982	156	48284	18.964	ug/l		95
78) n-propylbenzene	13.035	91	231176	18.903	ug/l		99
79) 2-Chlorotoluene	13.123	91	145730	18.674	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	168330	19.550	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	19953	16.940	ug/l		98
82) 4-Chlorotoluene	13.217	91	149766	19.064	ug/l		100
83) tert-Butylbenzene	13.435	119	141261	18.459	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169548	19.547	ug/l		99
85) sec-Butylbenzene	13.617	105	195385	19.133	ug/l		99
86) p-Isopropyltoluene	13.729	119	161505	19.125	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	88692	18.569	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	90608	18.784	ug/l		99
89) n-Butylbenzene	14.053	91	132089	17.250	ug/l		99
90) Hexachloroethane	14.329	117	31571	18.419	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	85799	18.319	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11177	17.065	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	40526	17.567	ug/l		100
94) Hexachlorobutadiene	15.500	225	19271	16.751	ug/l		98
95) Naphthalene	15.641	128	119595	15.638	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	39826	17.247	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Quant Time: Oct 22 01:32:48 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

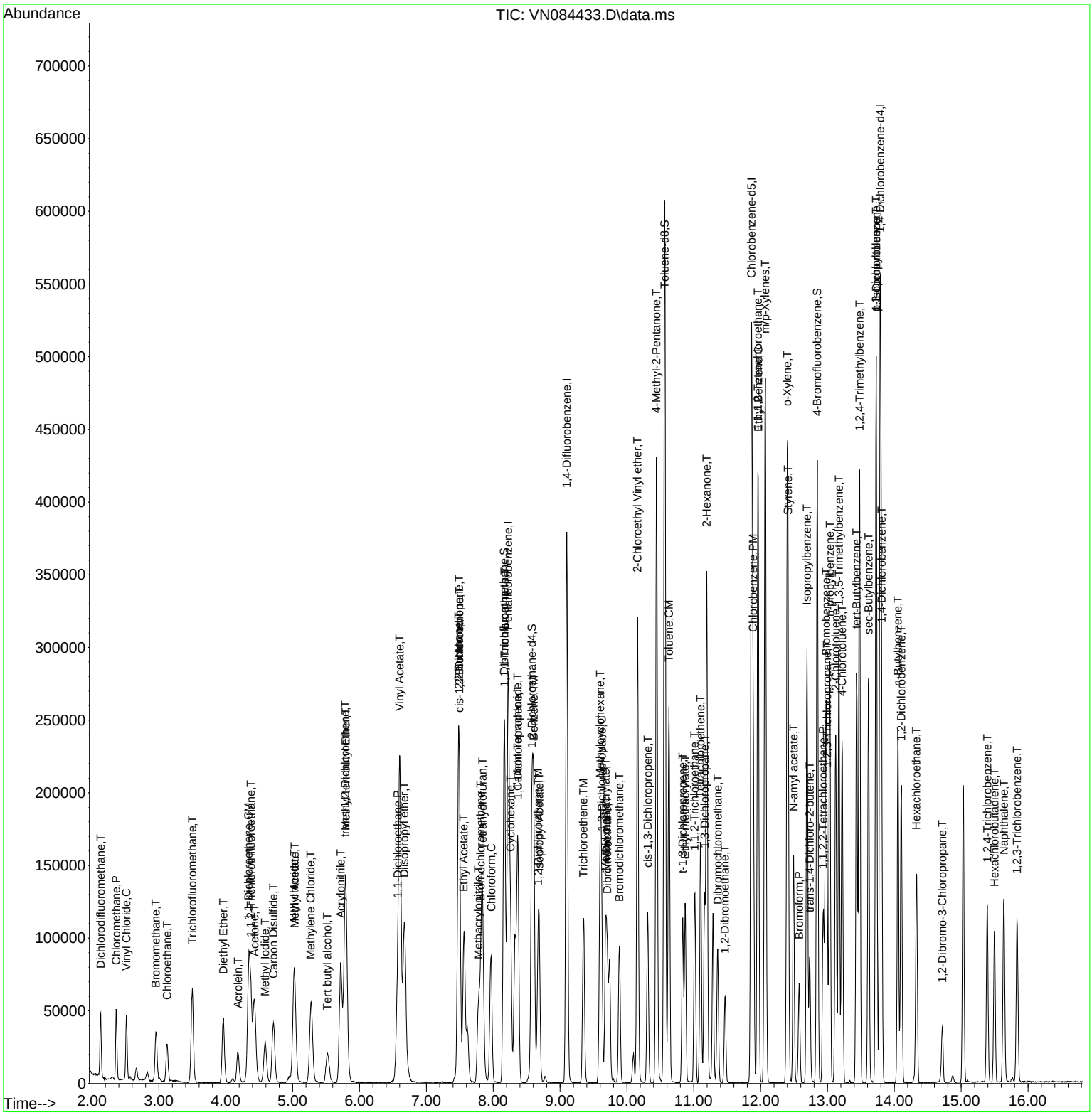
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

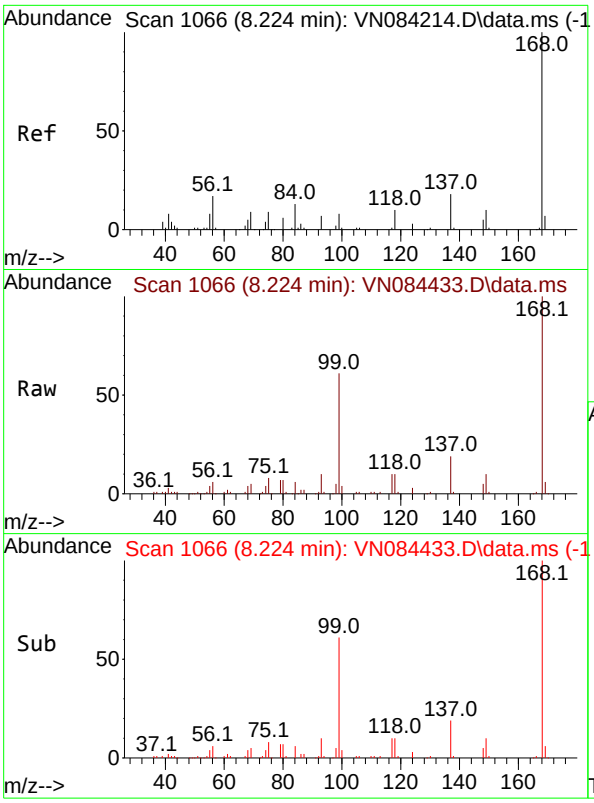
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Quant Time: Oct 22 01:32:48 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



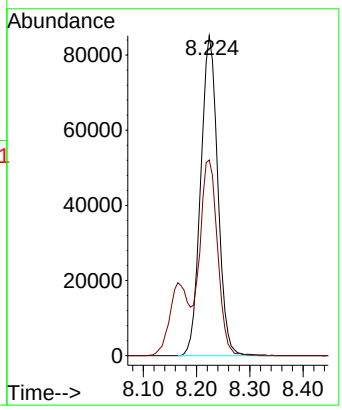


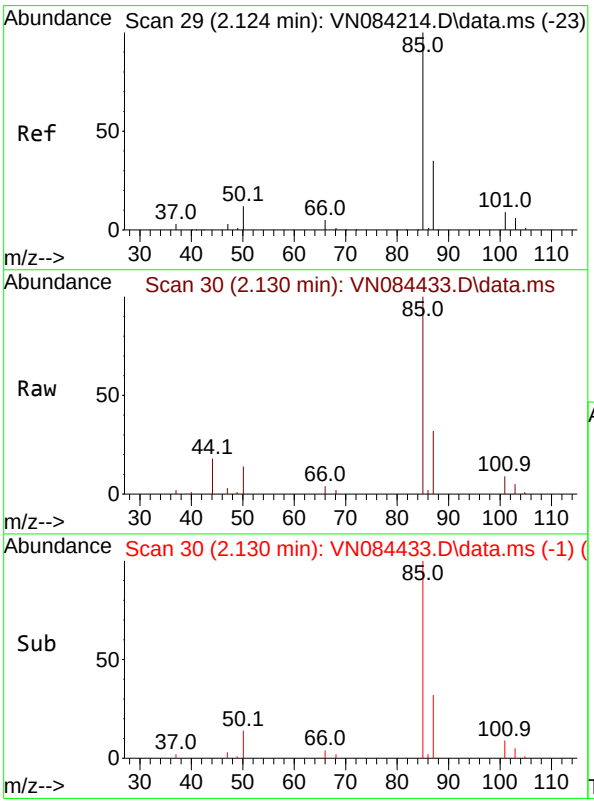
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:168 Resp: 189913

Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2

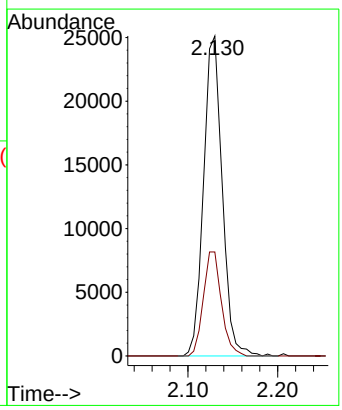


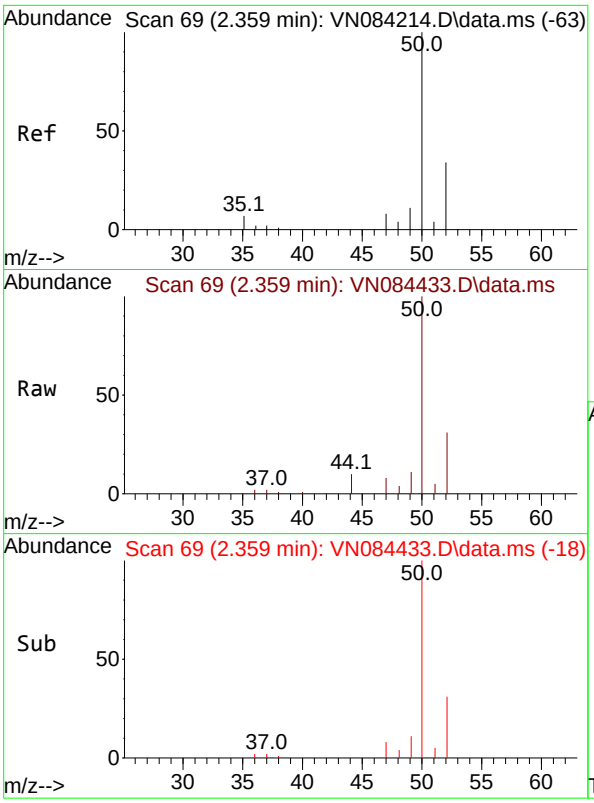


#2
Dichlorodifluoromethane
Concen: 16.142 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 85 Resp: 36261

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9



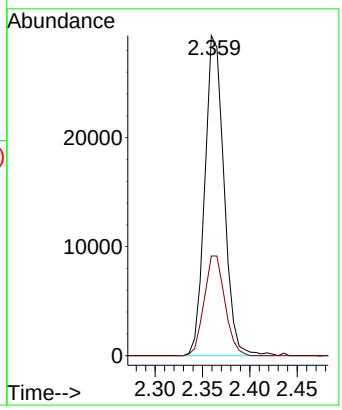


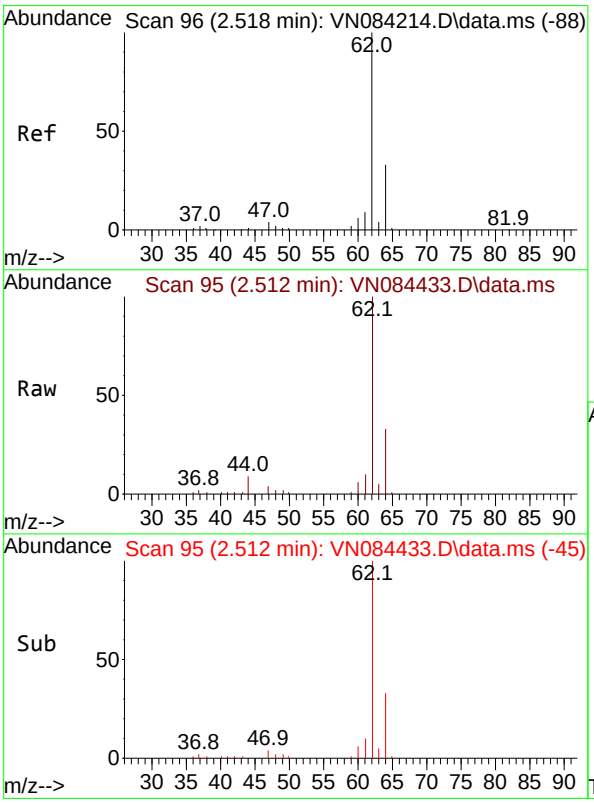
#3
Chloromethane
Concen: 16.076 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 50 Resp: 41235

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2

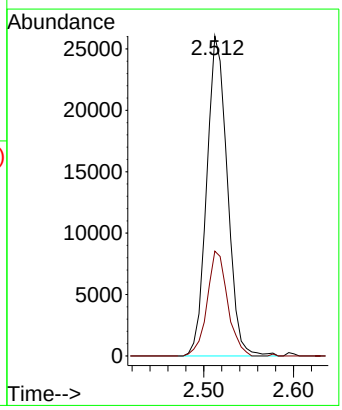


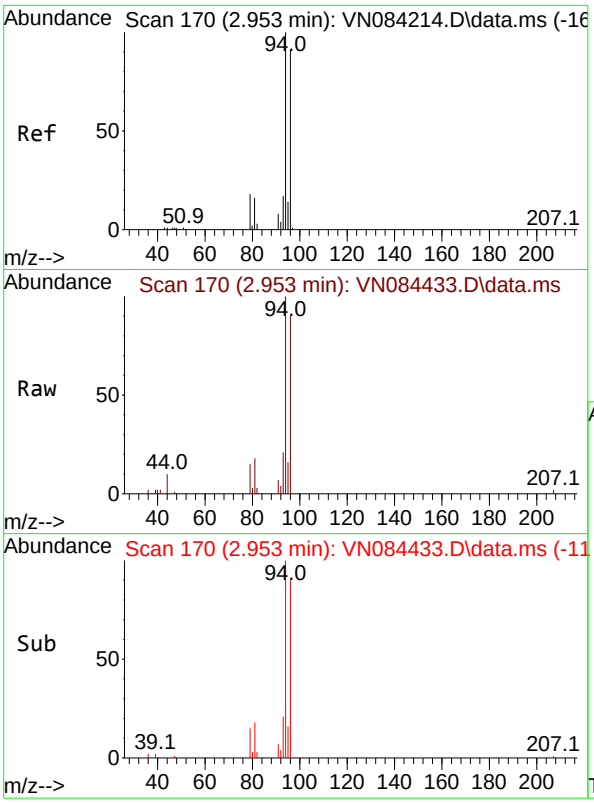


#4
Vinyl Chloride
Concen: 16.706 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 62 Resp: 41507

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.4



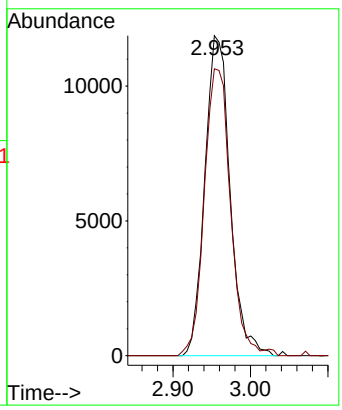


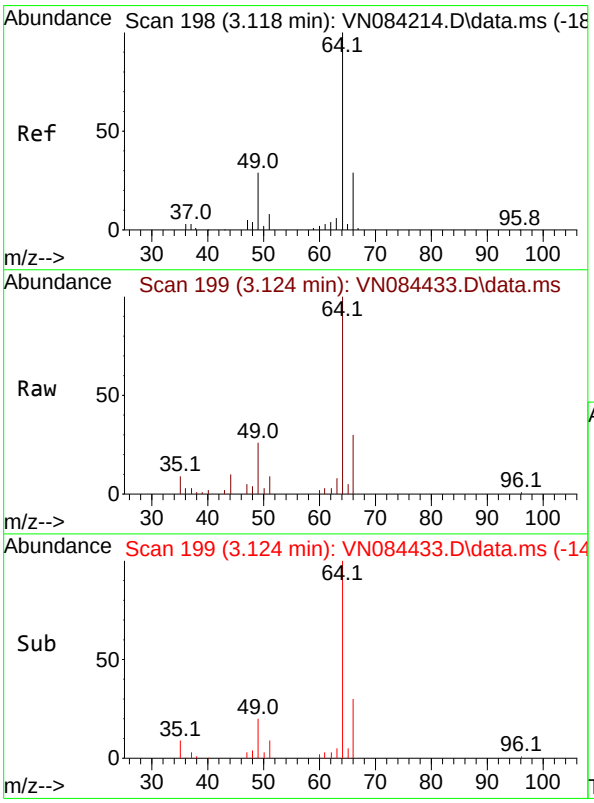
#5
Bromomethane
Concen: 16.453 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 94 Resp: 26963

Ion	Ratio	Lower	Upper
94	100		
96	89.6	72.9	109.3

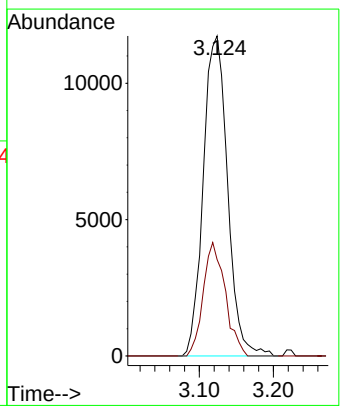


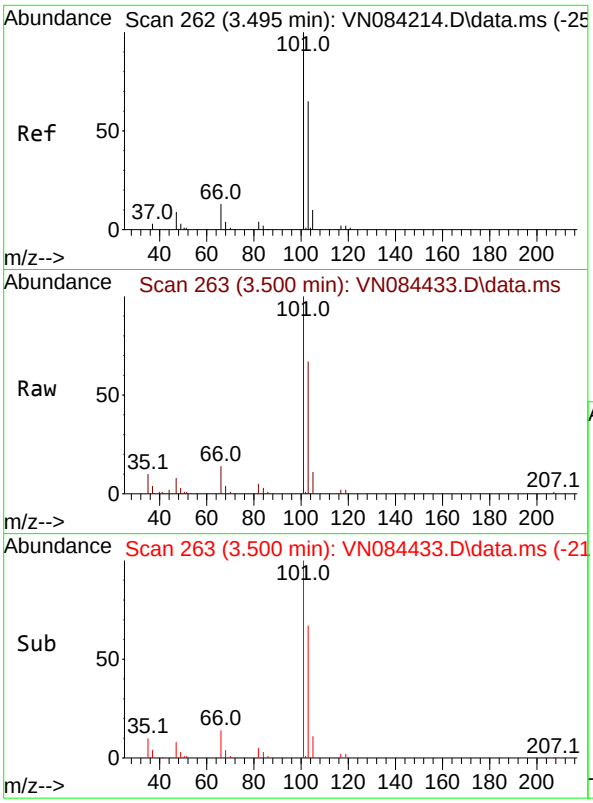


#6
Chloroethane
Concen: 15.020 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 64 Resp: 26726

Ion	Ratio	Lower	Upper
64	100		
66	30.2	23.5	35.3



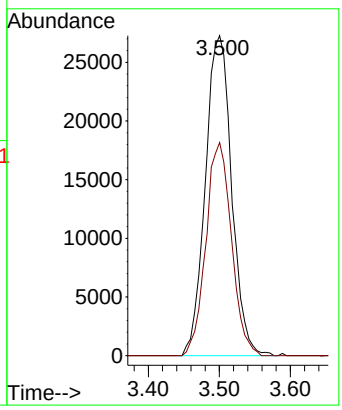


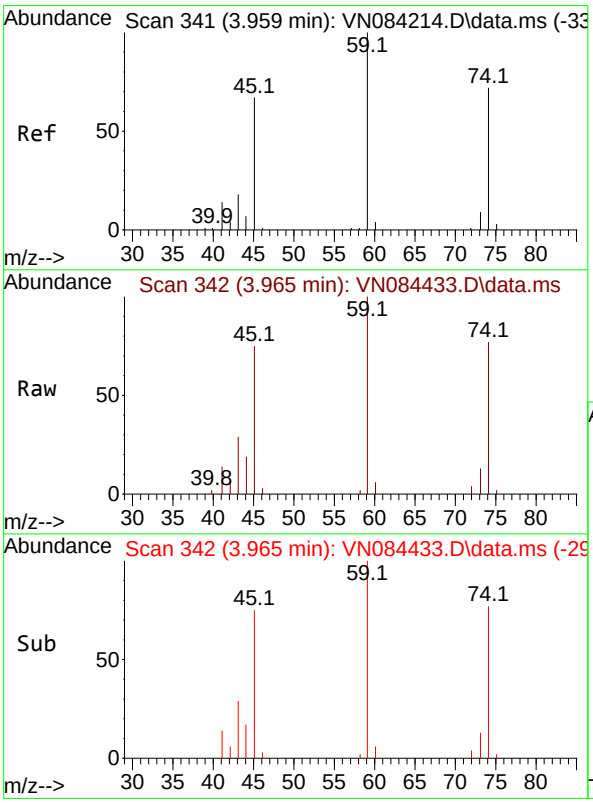
#7
Trichlorofluoromethane
Concen: 18.131 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:101 Resp: 70146

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.6

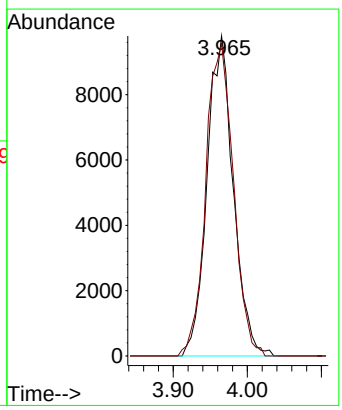


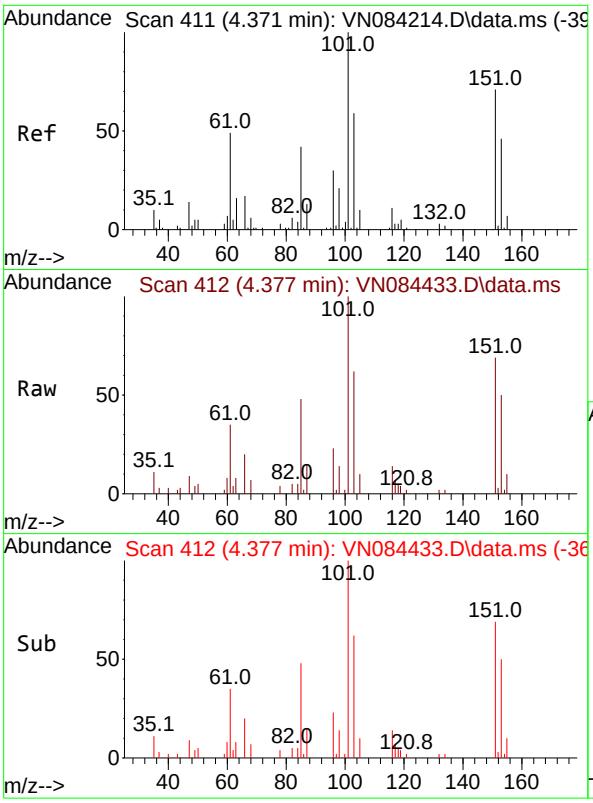


#8
Diethyl Ether
Concen: 16.814 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 74 Resp: 24127

Ion	Ratio	Lower	Upper
74	100		
45	102.5	47.7	143.1



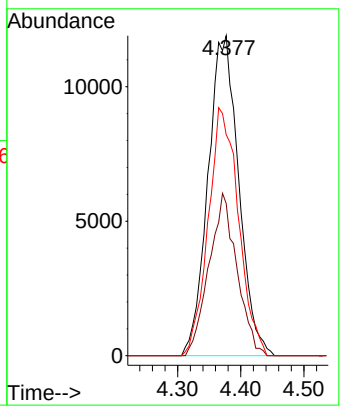


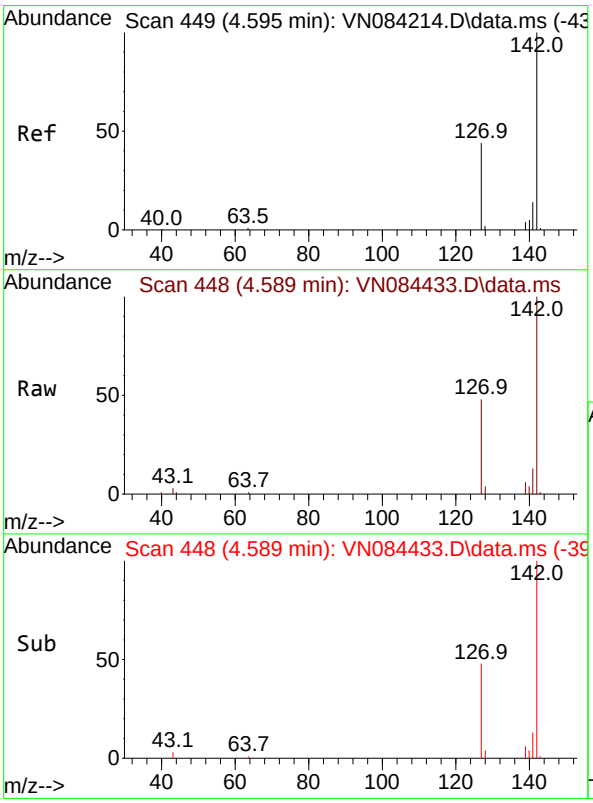
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.116 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:101 Resp: 40161

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	76.3	59.3	88.9

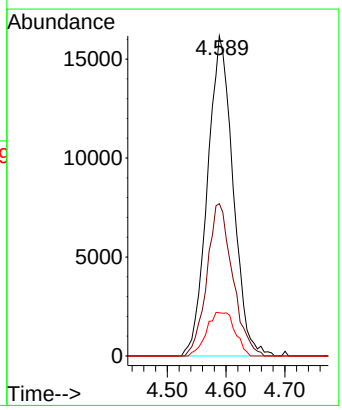


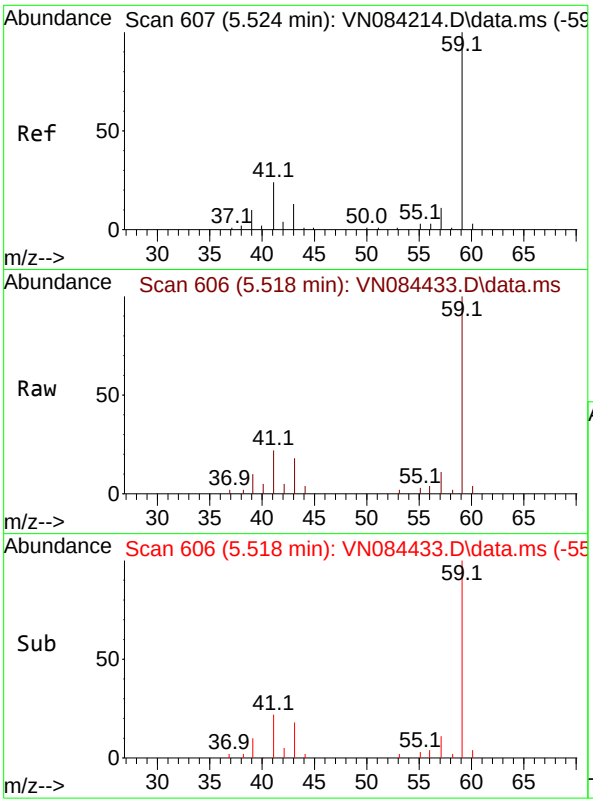


#10
Methyl Iodide
Concen: 17.131 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:142 Resp: 48908

Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.3	52.9
141	13.5	11.0	16.6



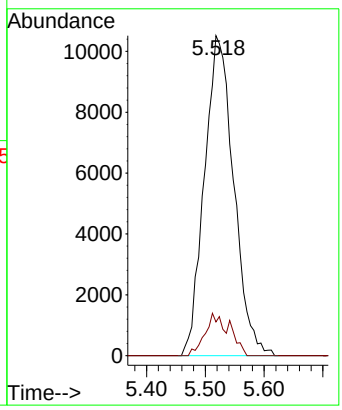


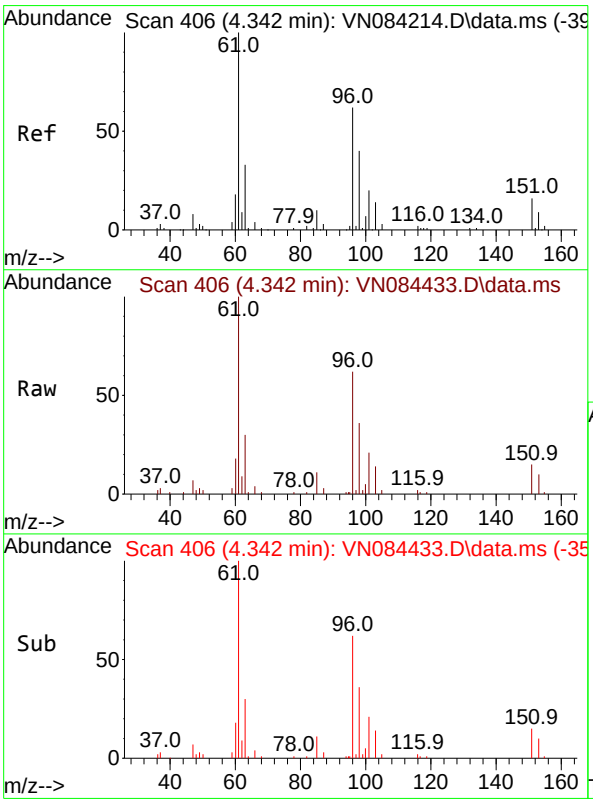
#11
Tert butyl alcohol
Concen: 78.429 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 59 Resp: 36415

Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.2	12.2#

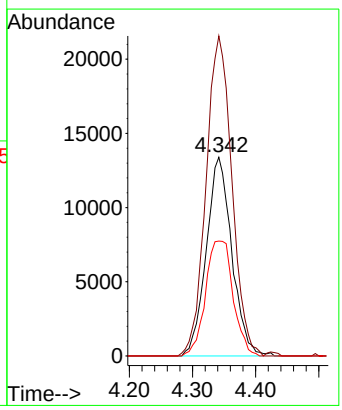


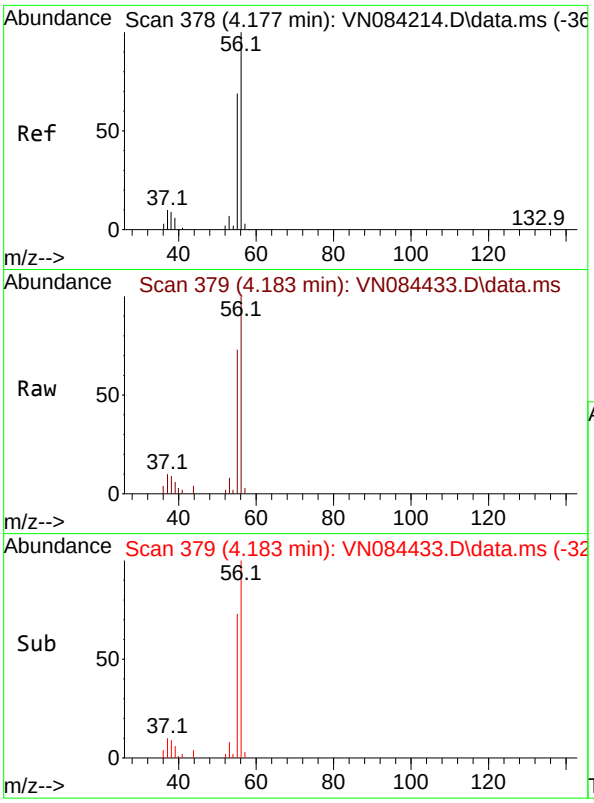


#12
1,1-Dichloroethene
Concen: 17.612 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 96 Resp: 37659

Ion	Ratio	Lower	Upper
96	100		
61	161.0	128.6	192.8
98	57.8	51.7	77.5



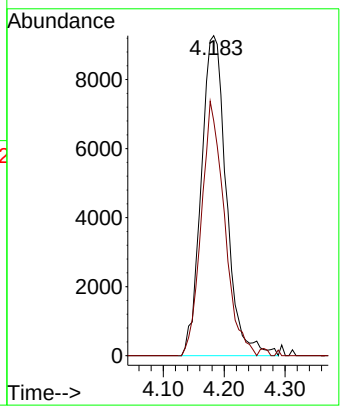


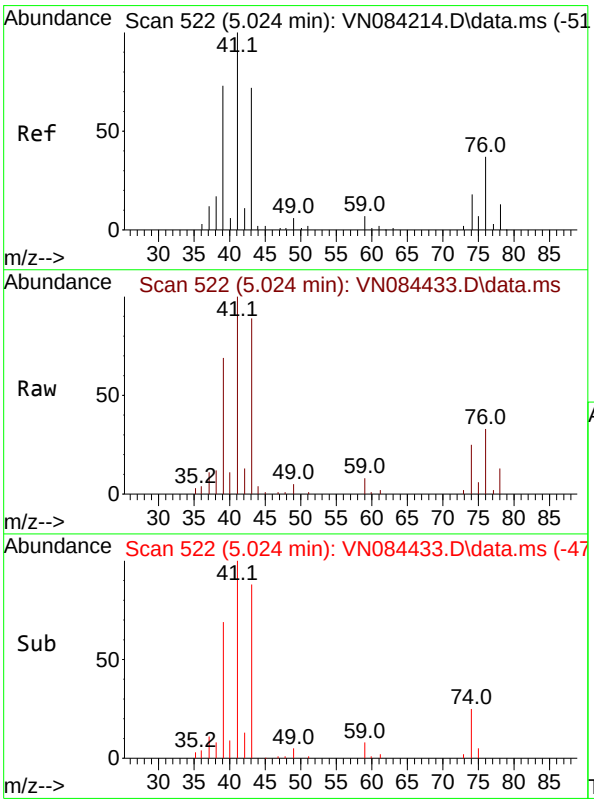
#13
Acrolein
Concen: 49.907 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 56 Resp: 26602

Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.2	85.8

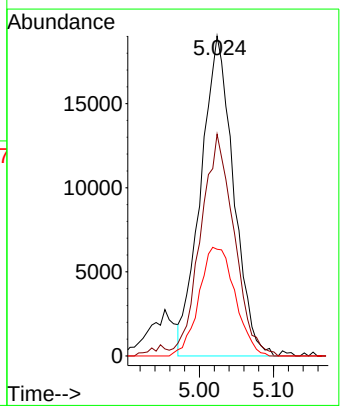


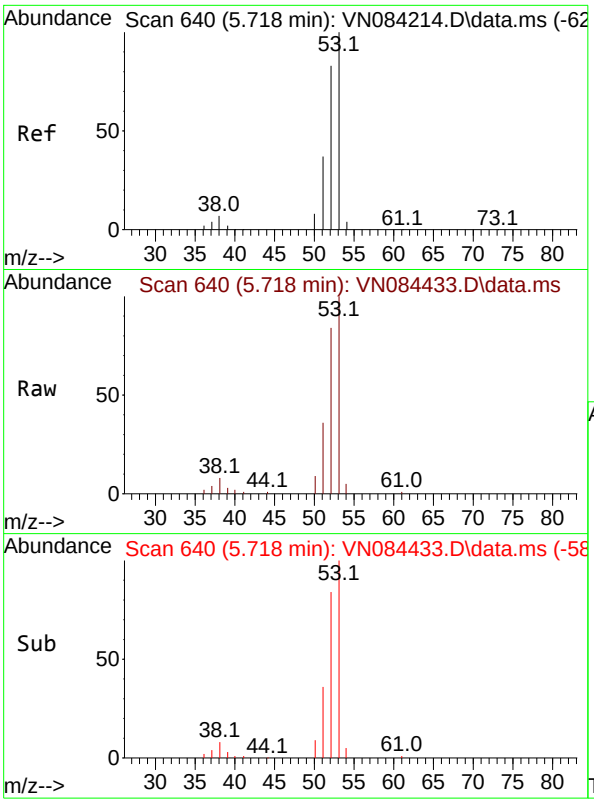


#14
Allyl chloride
Concen: 15.713 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 41 Resp: 58352

Ion	Ratio	Lower	Upper
41	100		
39	70.9	59.0	88.6
76	37.4	29.8	44.6



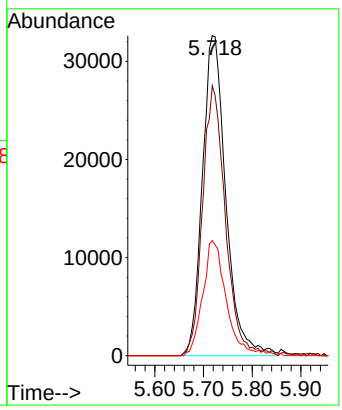


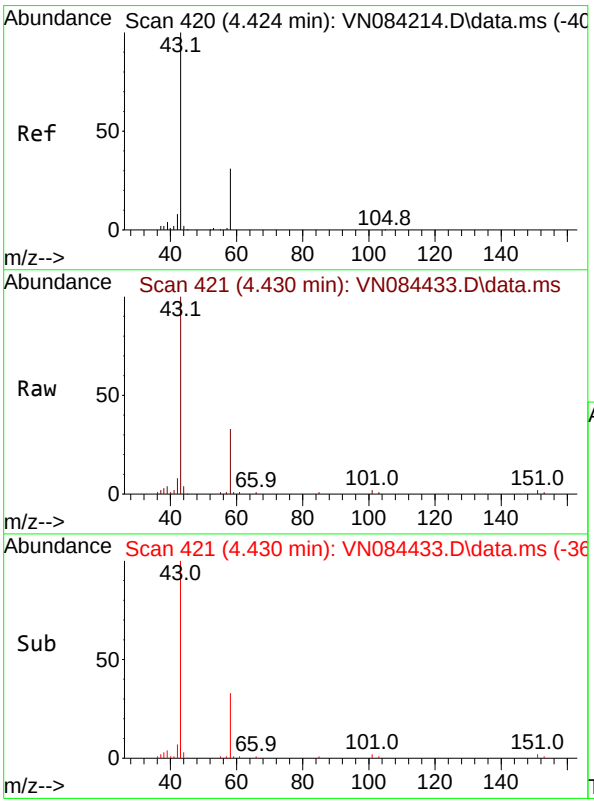
#15
Acrylonitrile
Concen: 93.202 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 53 Resp: 109279

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.3	28.8	43.2

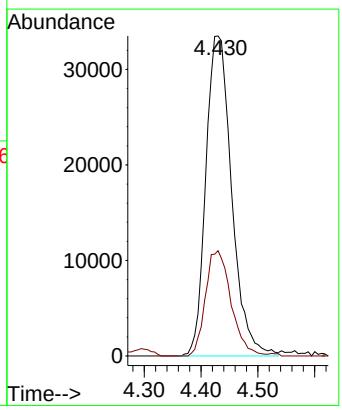


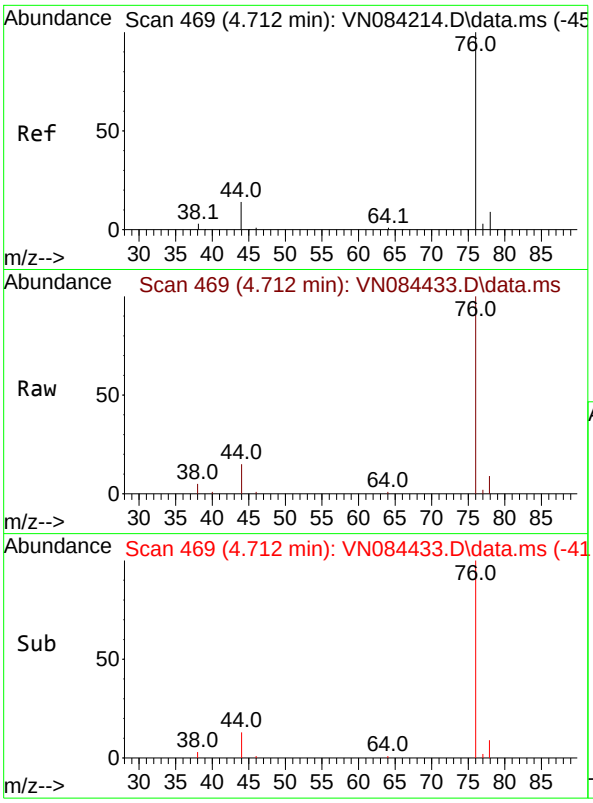


#16
Acetone
Concen: 87.496 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 105837

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.4	36.6



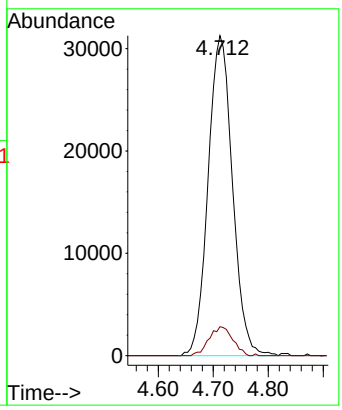


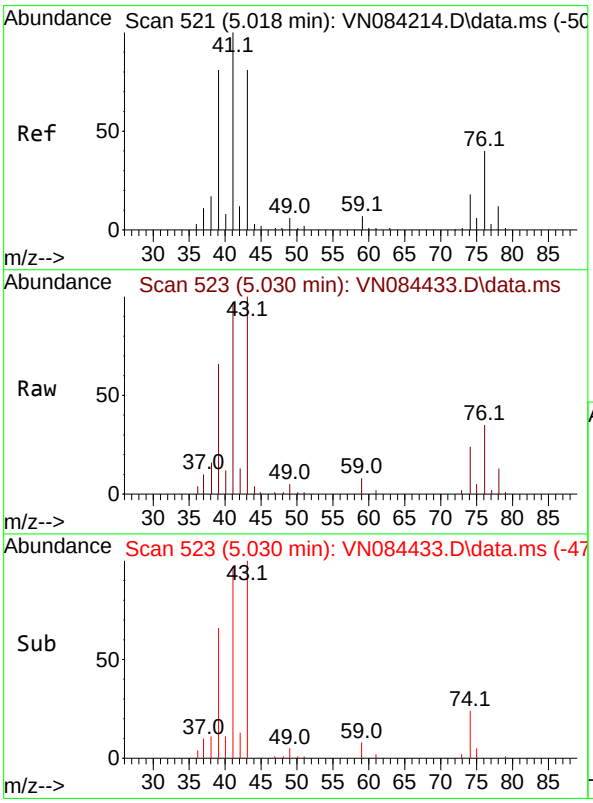
#17
Carbon Disulfide
Concen: 14.205 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 76 Resp: 96169

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

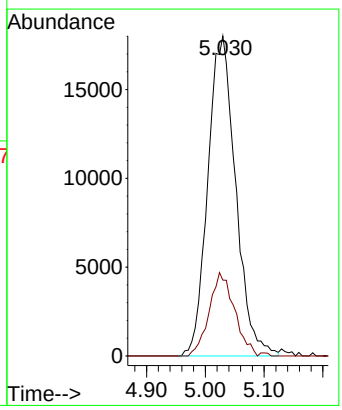


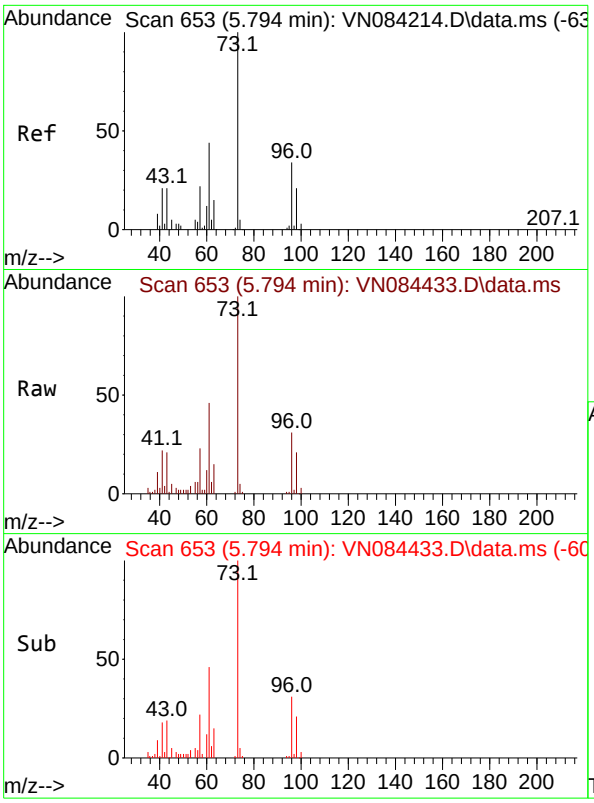


#18
Methyl Acetate
Concen: 22.474 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 59251

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8



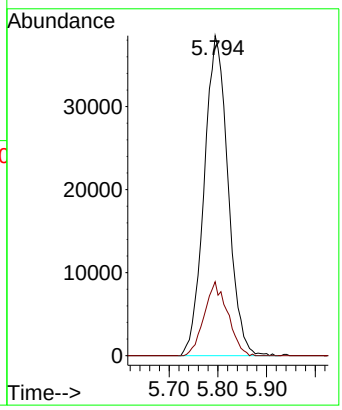


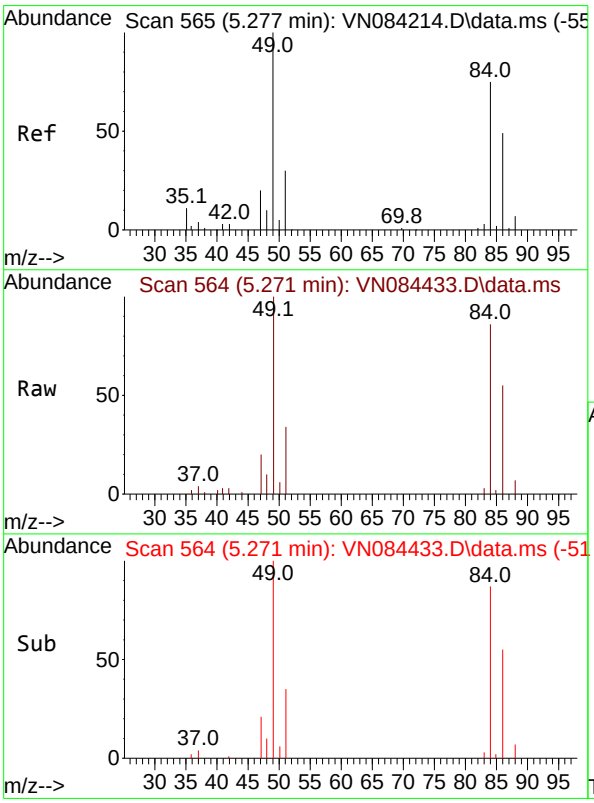
#19
Methyl tert-butyl Ether
Concen: 18.149 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 73 Resp: 130984

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5

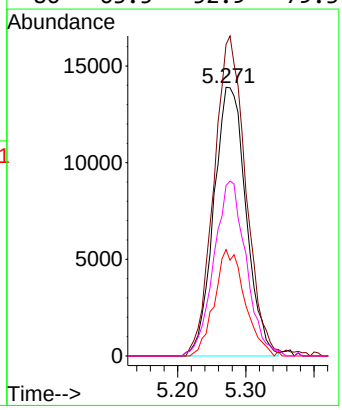


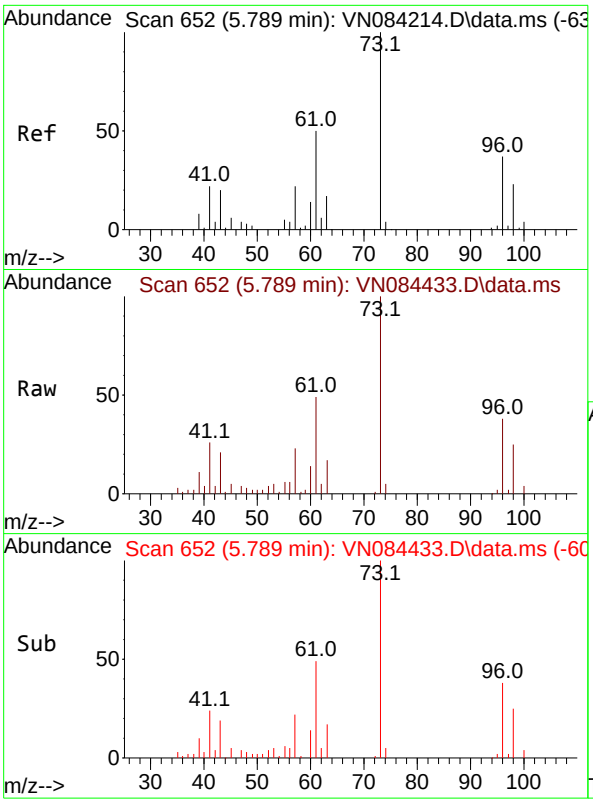


#20
Methylene Chloride
Concen: 18.603 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 84 Resp: 45743

Ion	Ratio	Lower	Upper
84	100		
49	116.0	107.2	160.8
51	39.6	31.8	47.8
86	63.5	52.9	79.3



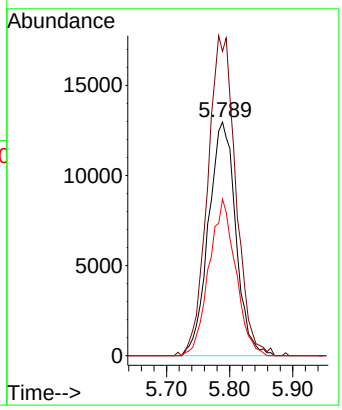


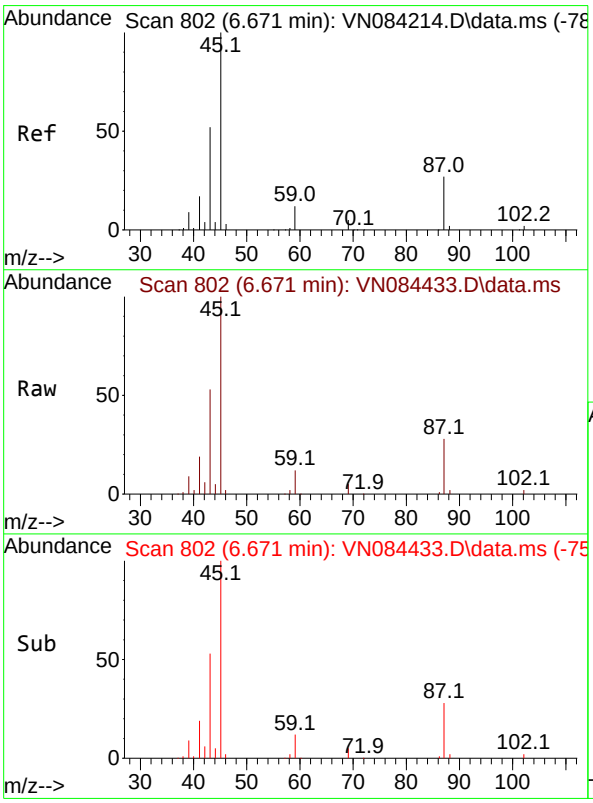
#21
trans-1,2-Dichloroethene
Concen: 17.359 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 96 Resp: 38888

Ion	Ratio	Lower	Upper
96	100		
61	130.3	108.4	162.6
98	67.0	49.8	74.8

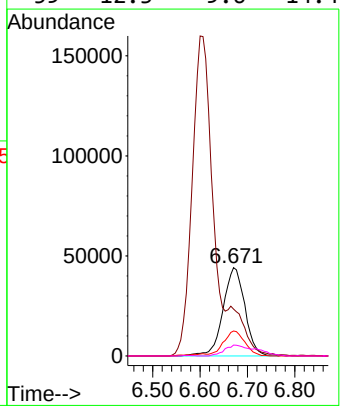


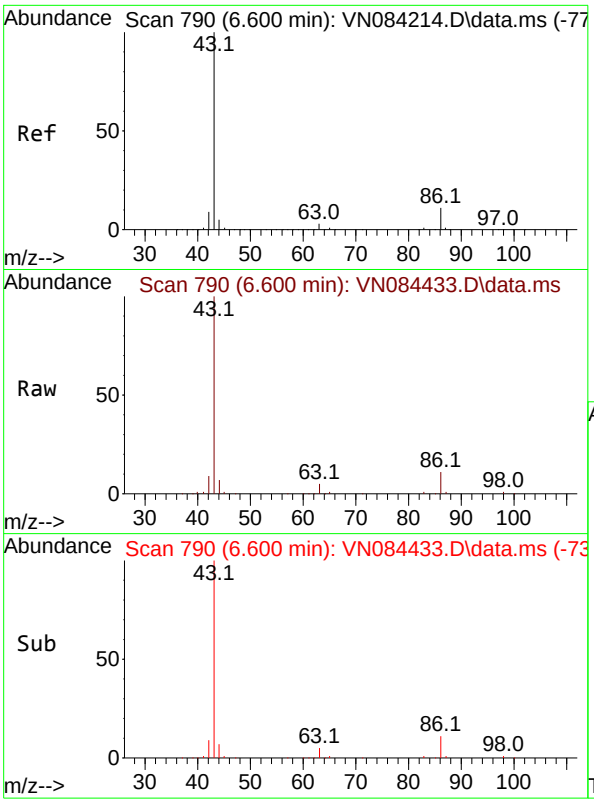


#22
Diisopropyl ether
Concen: 18.451 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 45 Resp: 141732

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.3	63.5
87	28.3	21.8	32.6
59	12.3	9.6	14.4



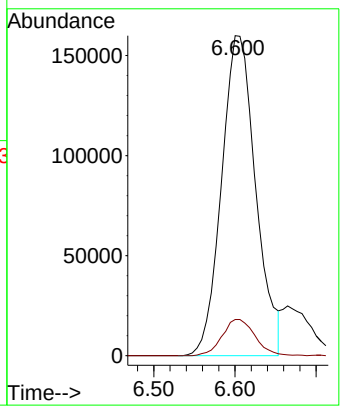


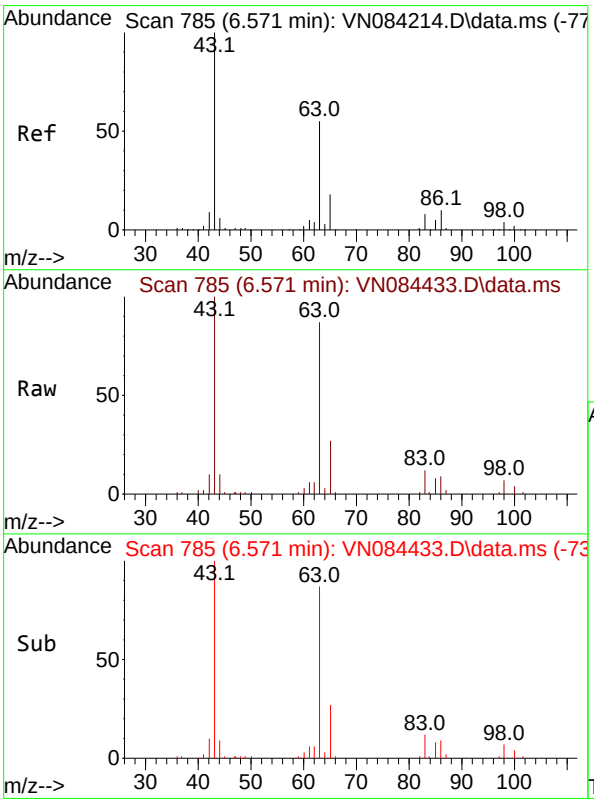
#23
Vinyl Acetate
Concen: 82.252 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 43 Resp: 468614

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

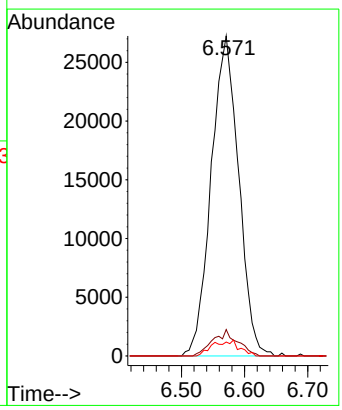


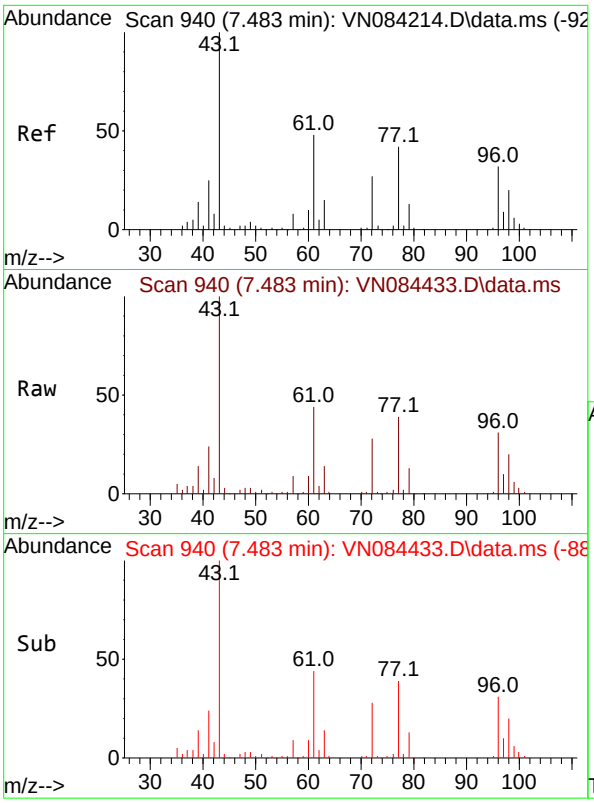


#24
1,1-Dichloroethane
Concen: 19.201 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 63 Resp: 82481

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.4	10.2
100	4.4	2.0	5.8



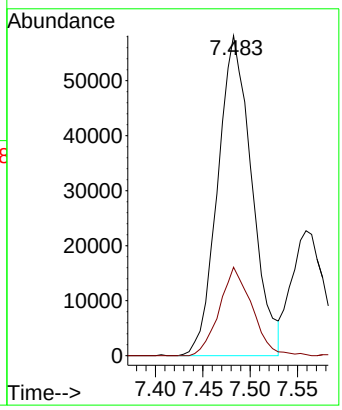


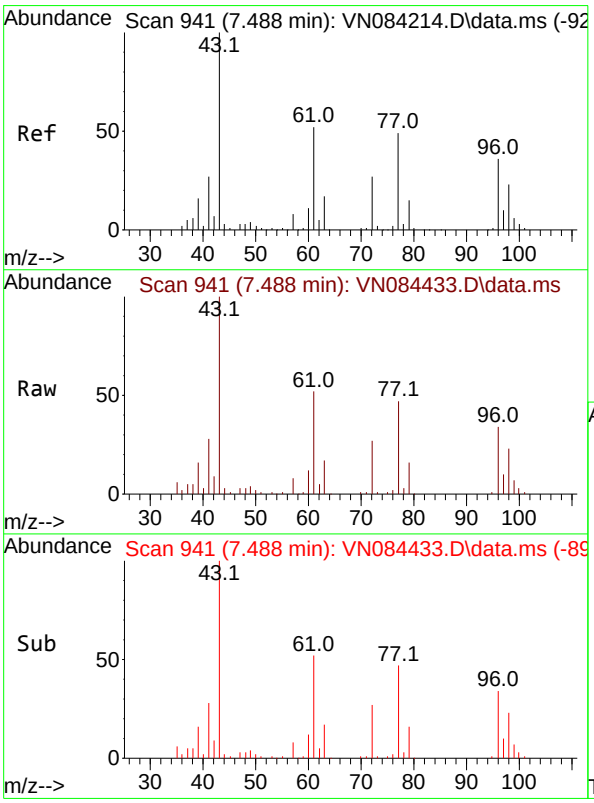
#25
2-Butanone
Concen: 88.663 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 43 Resp: 146074

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2

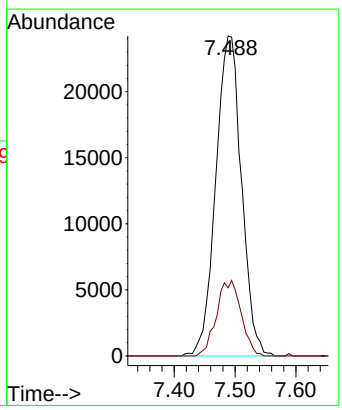


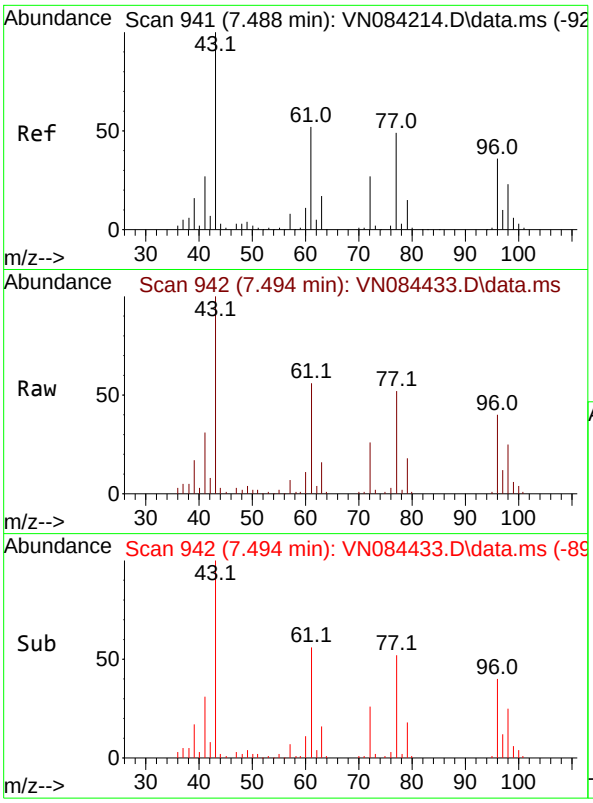


#26
2,2-Dichloropropane
Concen: 18.333 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 77 Resp: 71005

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.8	32.3



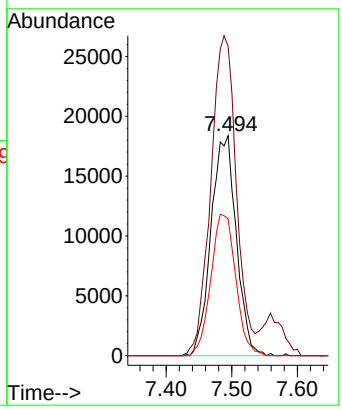


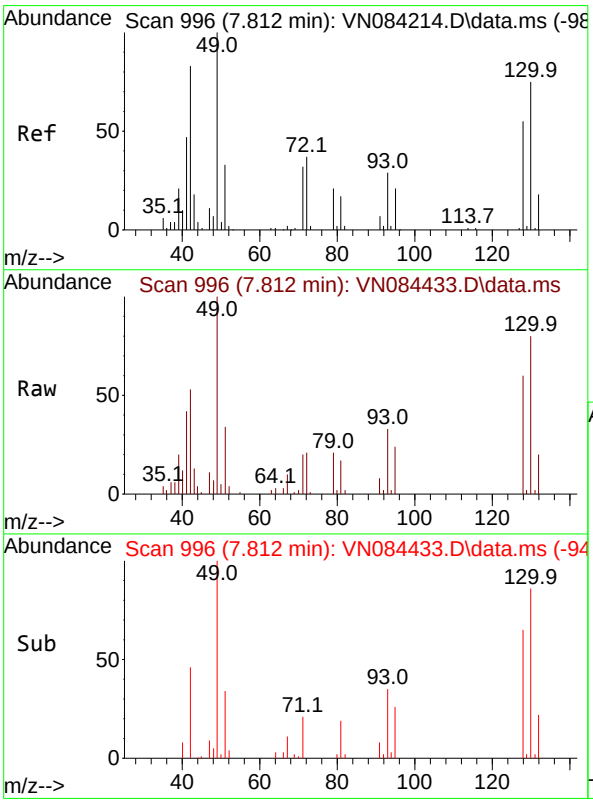
#27
cis-1,2-Dichloroethene
Concen: 18.169 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 96 Resp: 49184

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.8
98	63.3	0.0	128.2

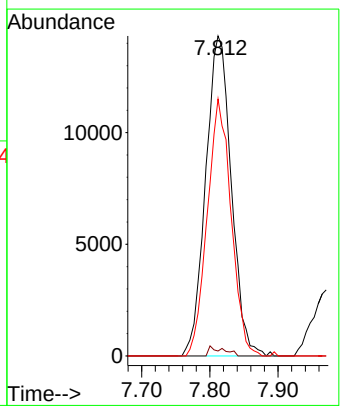


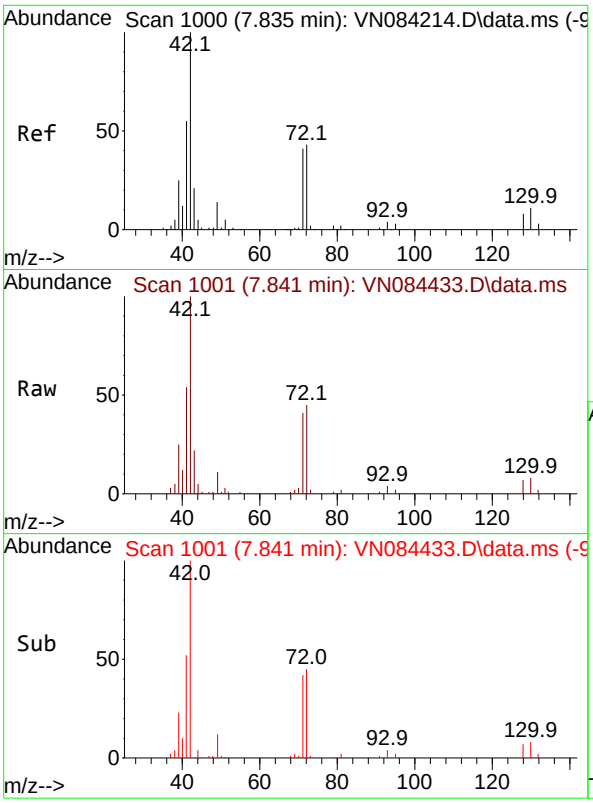


#28
Bromochloromethane
Concen: 19.592 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 49 Resp: 37550

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	74.6	58.0	87.0



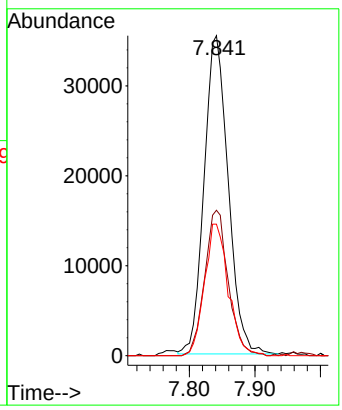


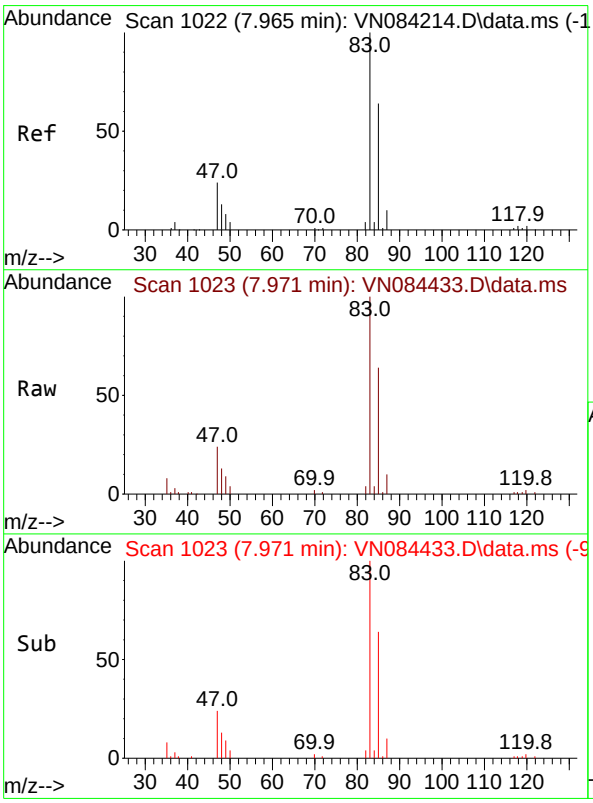
#29
Tetrahydrofuran
Concen: 88.935 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 42 Resp: 90421

Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	41.0	32.2	48.4

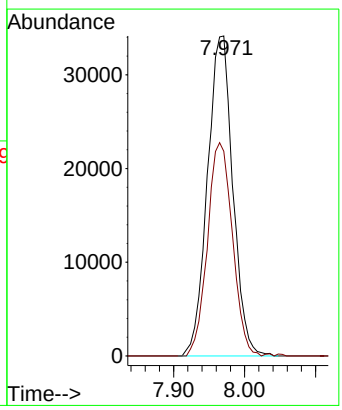


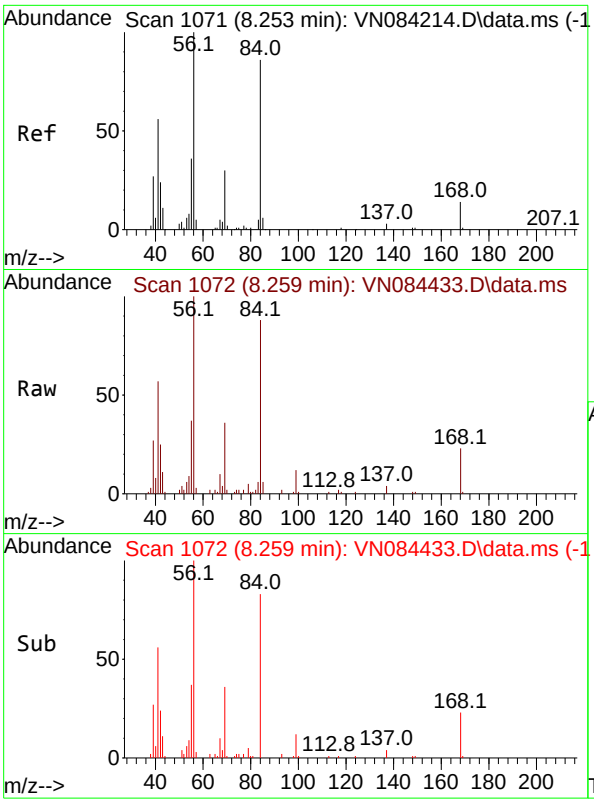


#30
Chloroform
Concen: 18.995 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 83 Resp: 84755

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.4



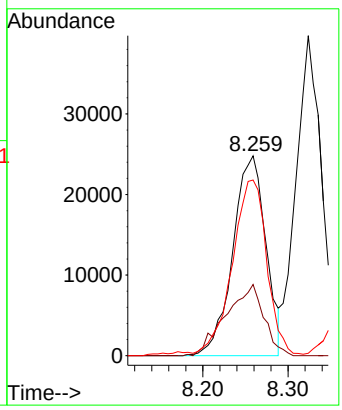


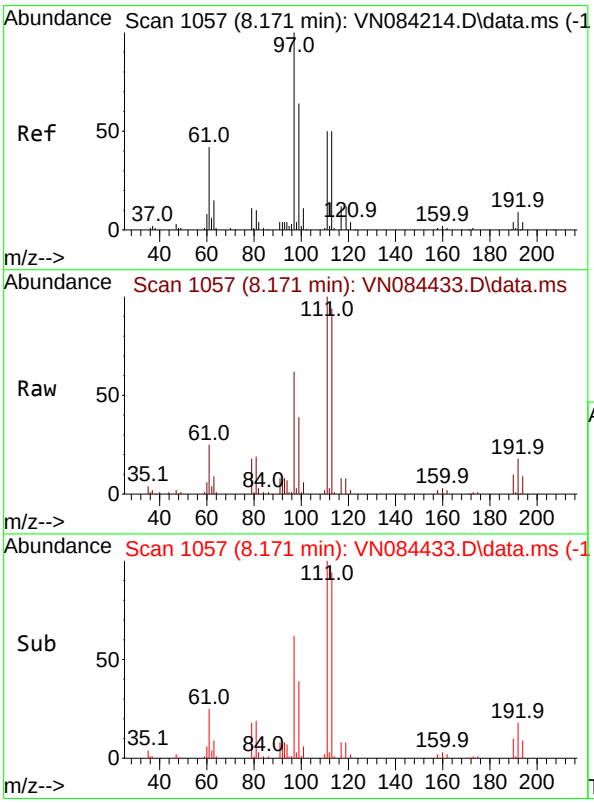
#31
Cyclohexane
Concen: 16.007 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 56 Resp: 66762

Ion	Ratio	Lower	Upper
56	100		
69	35.7	23.8	35.6#
84	86.0	68.8	103.2

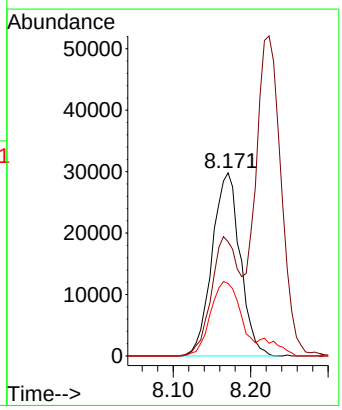


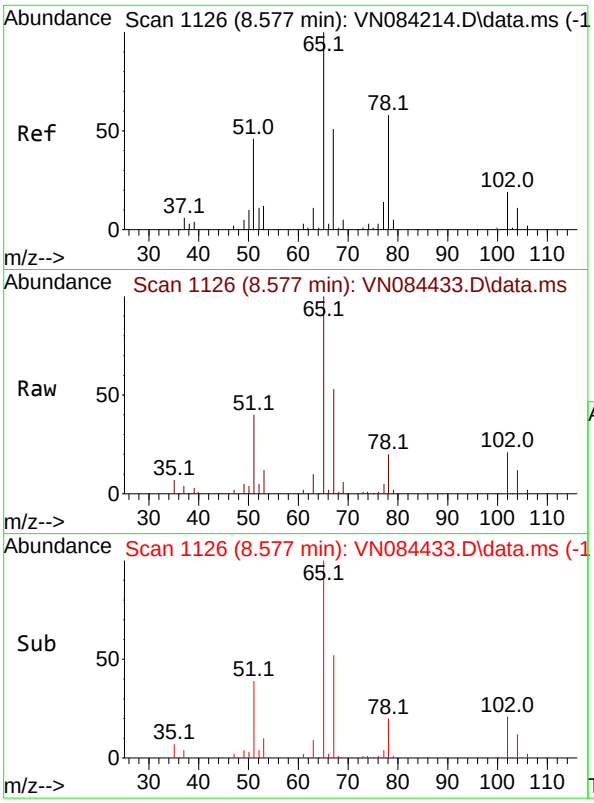


#32
1,1,1-Trichloroethane
Concen: 18.700 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 97 Resp: 74940

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.2	76.8
61	43.8	37.5	56.3



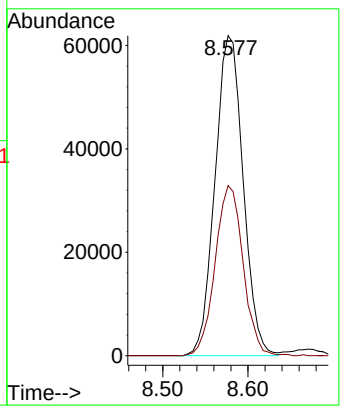


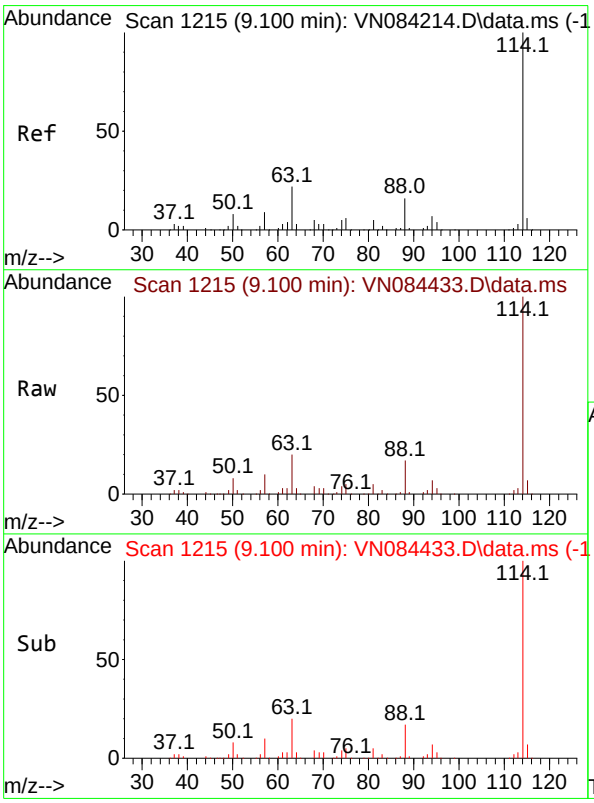
#33
1,2-Dichloroethane-d4
Concen: 50.547 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 65 Resp: 142332

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.0

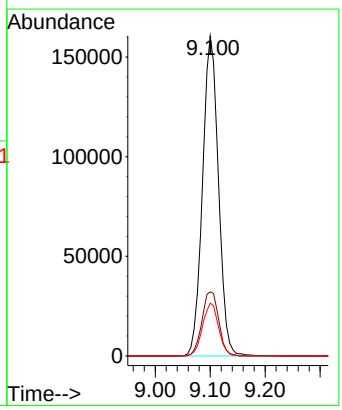


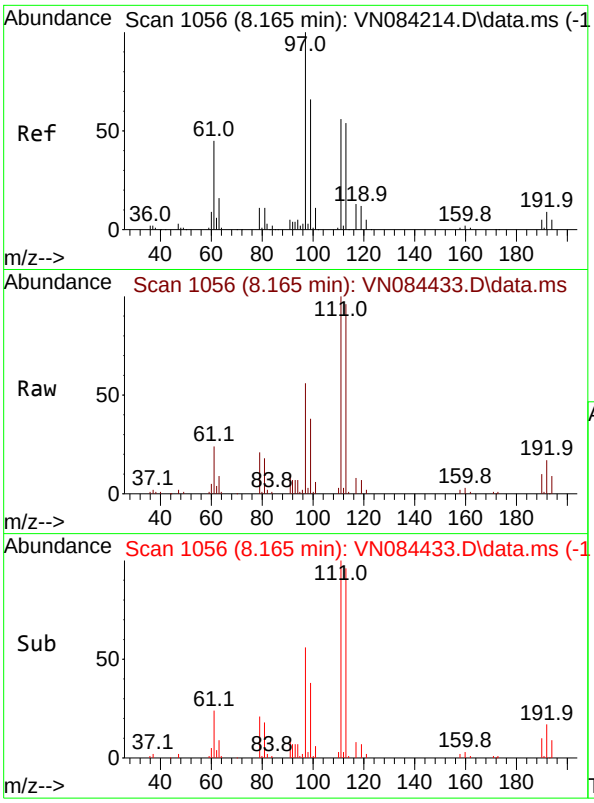


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:114 Resp: 322919

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.5	0.0	31.6



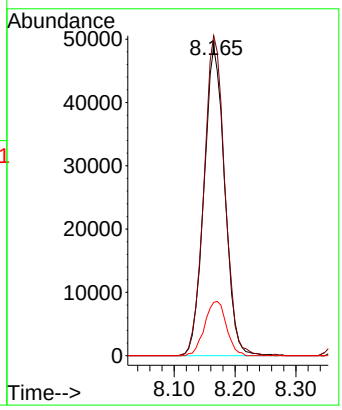


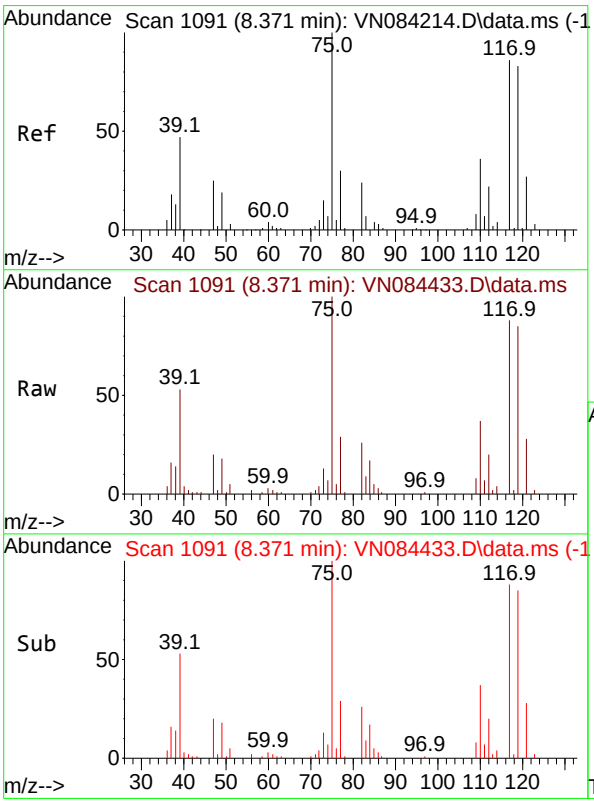
#35
Dibromofluoromethane
Concen: 54.258 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:113 Resp: 115508

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.4	13.5	20.3

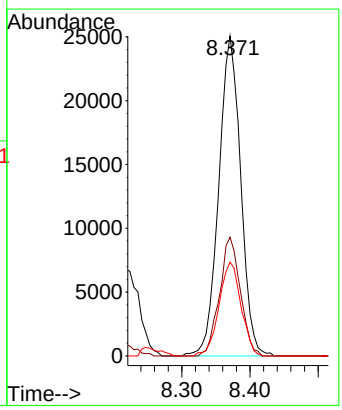


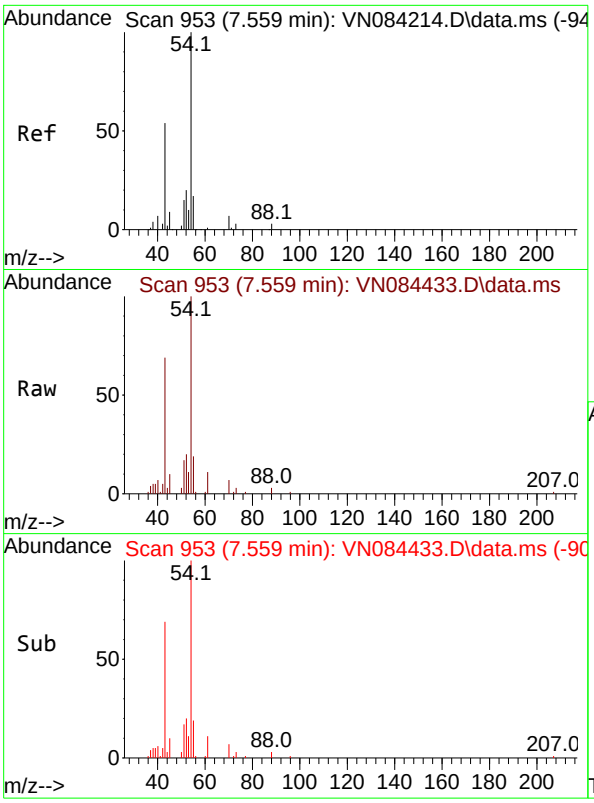


#36
1,1-Dichloropropene
Concen: 18.162 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 56161

Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.9	50.7
77	29.3	24.7	37.1



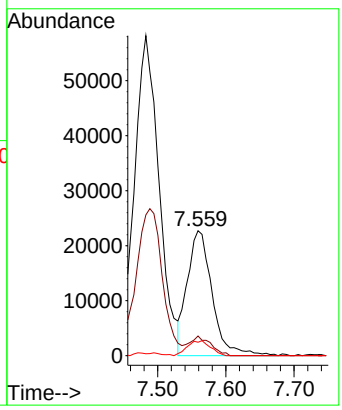


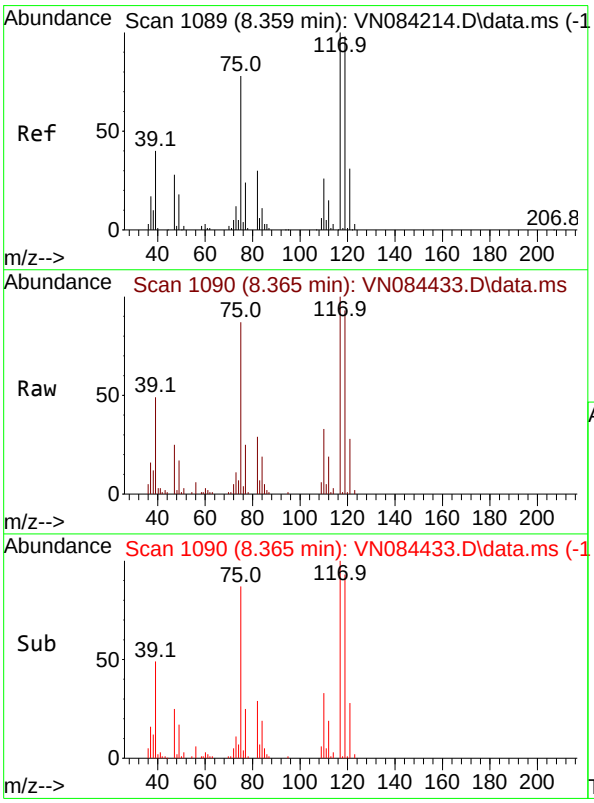
#37
Ethyl Acetate
Concen: 18.111 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 43 Resp: 57455

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	11.1	8.8	13.2

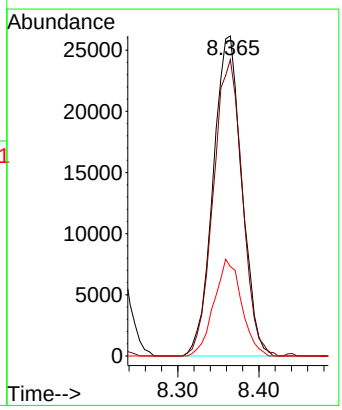


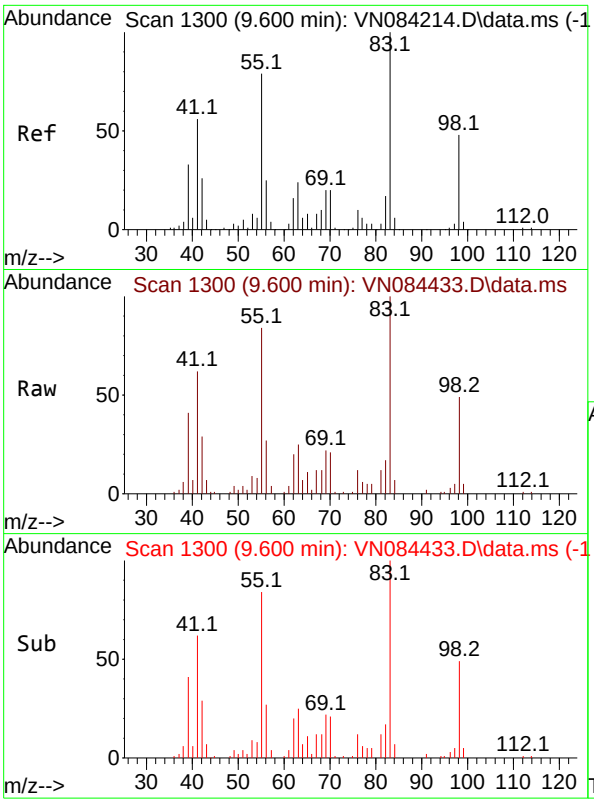


#38
Carbon Tetrachloride
Concen: 18.912 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:117 Resp: 64152

Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.7	118.1
121	27.9	24.4	36.6



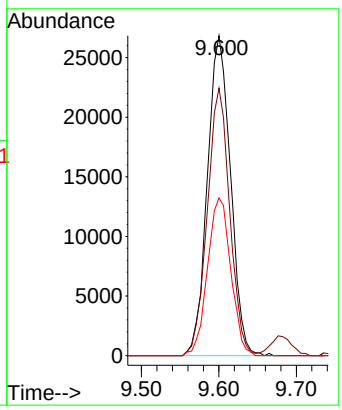


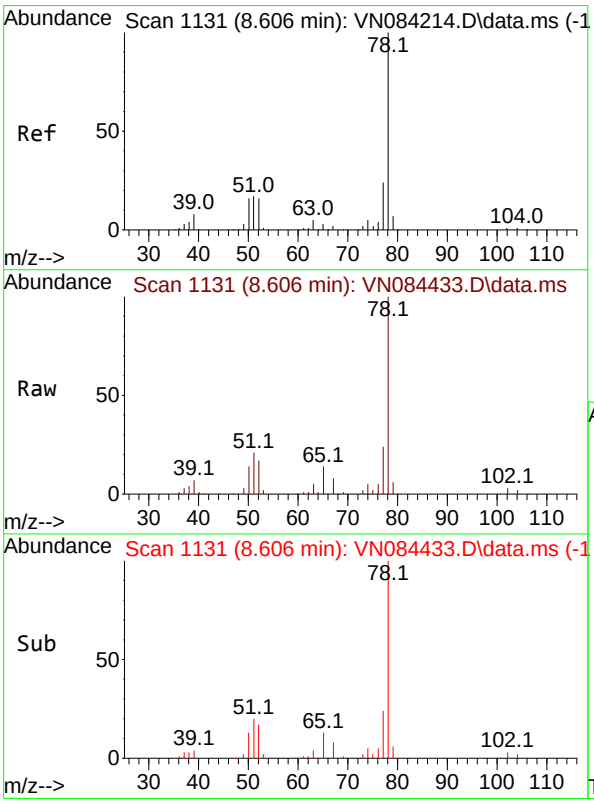
#39
Methylcyclohexane
Concen: 16.168 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 83 Resp: 55643

Ion	Ratio	Lower	Upper
83	100		
55	83.6	62.8	94.2
98	49.3	38.8	58.2

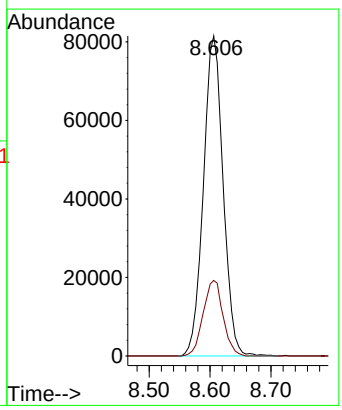


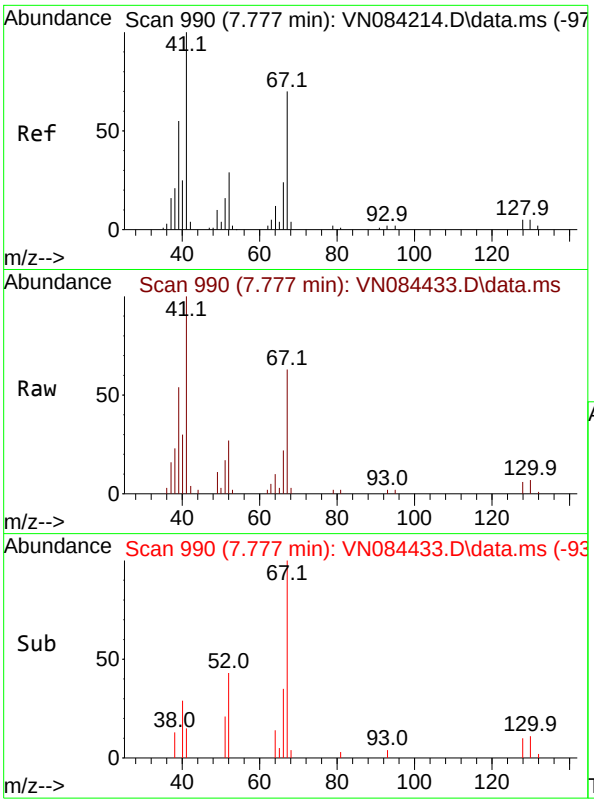


#40
Benzene
Concen: 19.002 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 78 Resp: 183073

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7



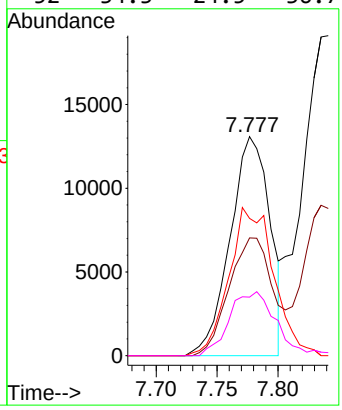


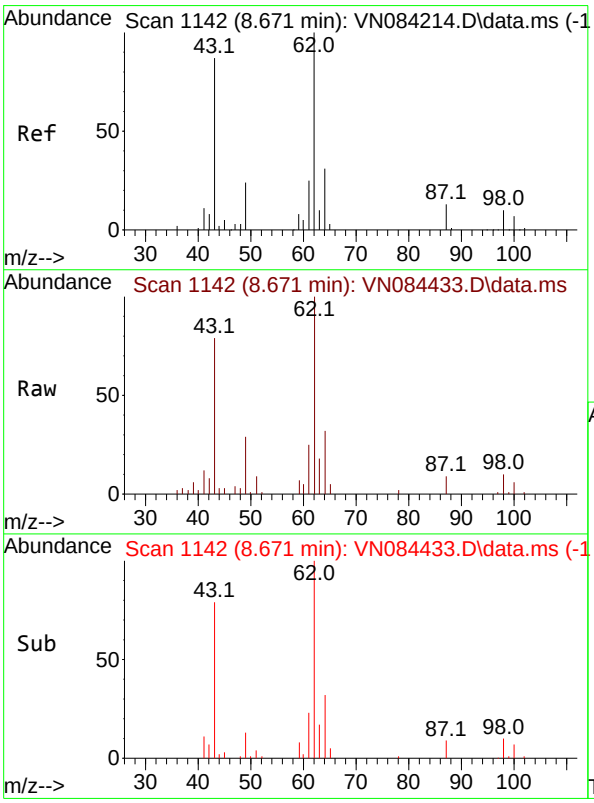
#41
Methacrylonitrile
Concen: 17.338 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 41 Resp: 29860

Ion	Ratio	Lower	Upper
41	100		
39	59.2	43.3	64.9
67	75.6	56.1	84.1
52	34.3	24.5	36.7

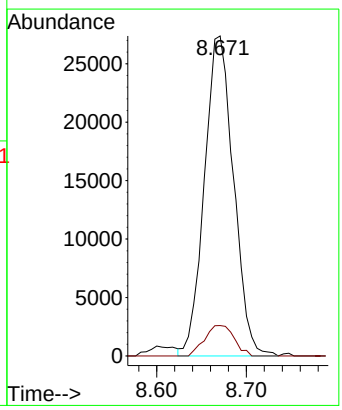


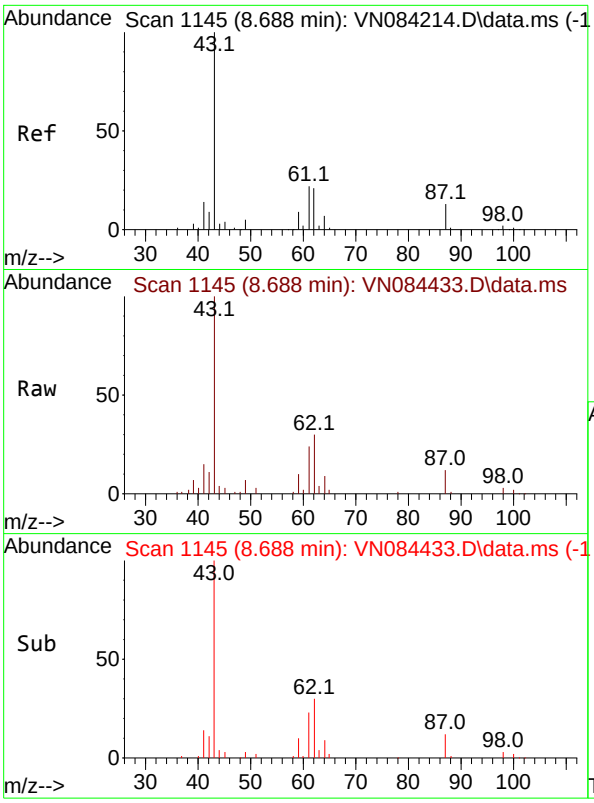


#42
1,2-Dichloroethane
Concen: 18.907 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 62 Resp: 61753

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



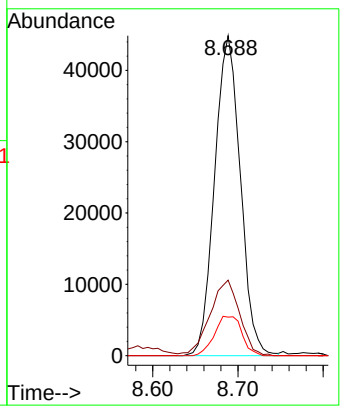


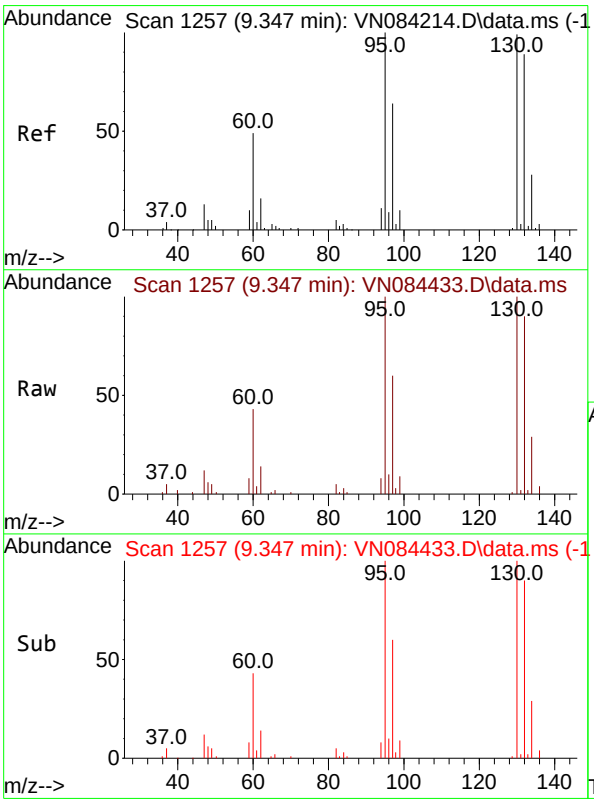
#43
Isopropyl Acetate
Concen: 15.136 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 43 Resp: 94050

Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.4	30.6
87	13.1	10.3	15.5

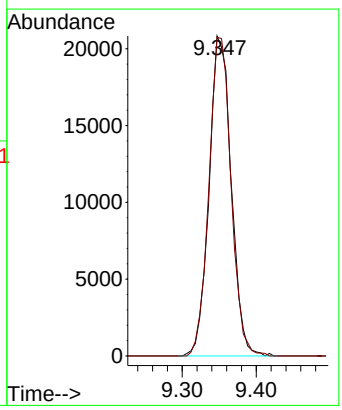


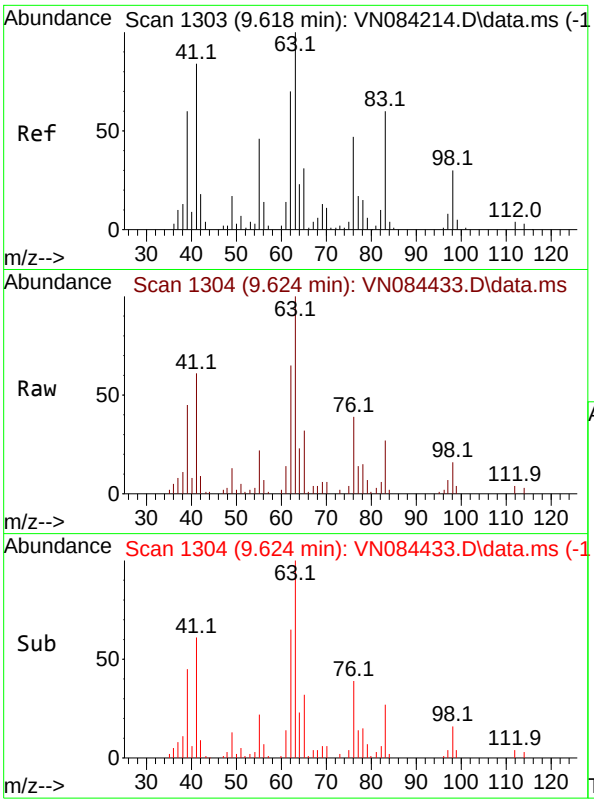


#44
Trichloroethene
Concen: 19.166 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:130 Resp: 43127

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.0



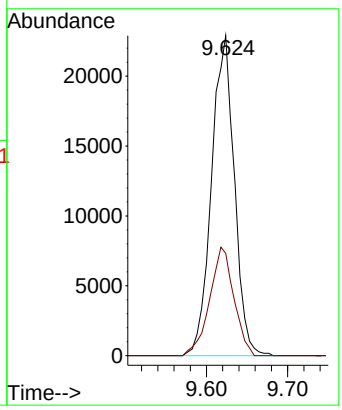


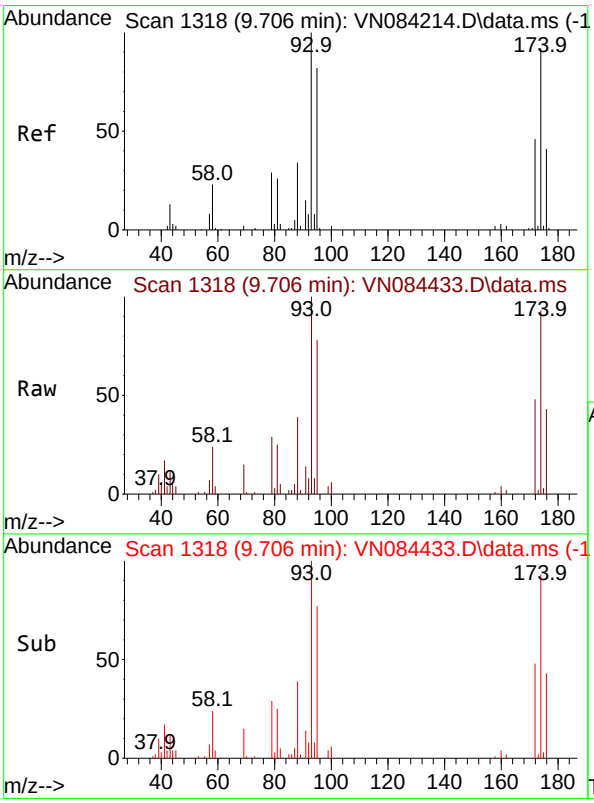
#45
1,2-Dichloropropane
Concen: 19.644 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 63 Resp: 44771

Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.6	37.0

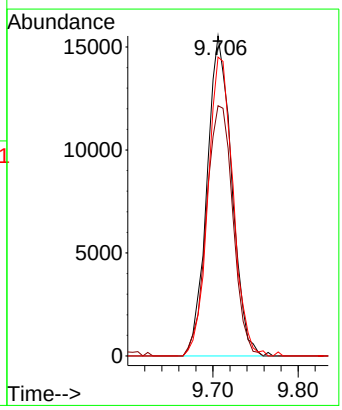


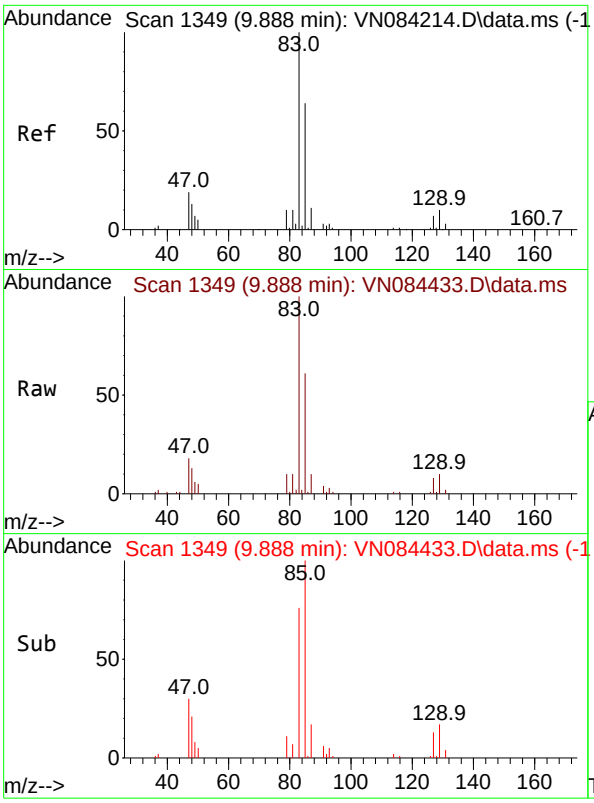


#46
Dibromomethane
Concen: 20.401 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 93 Resp: 31378

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.4
174	94.1	71.8	107.8



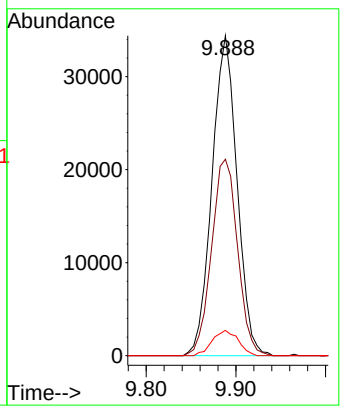


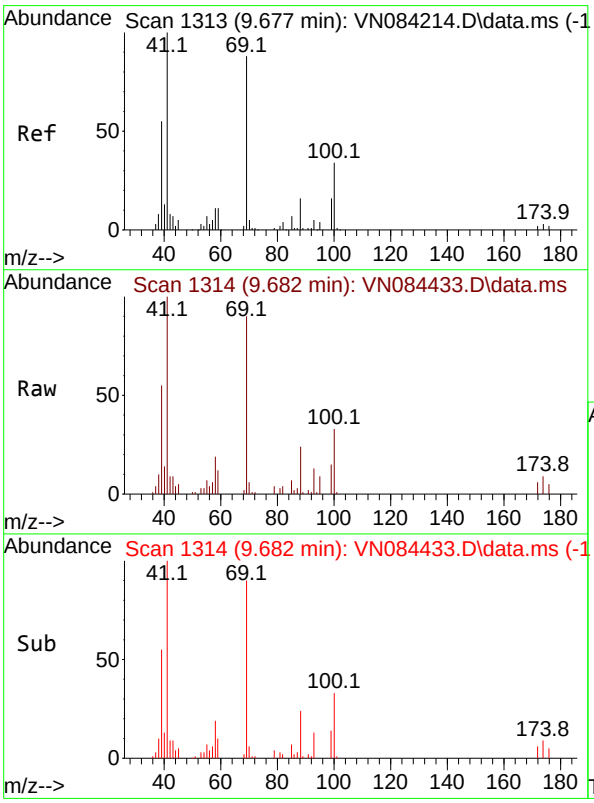
#47
Bromodichloromethane
Concen: 19.490 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 83 Resp: 66599

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.5	77.3
127	7.9	5.7	8.5

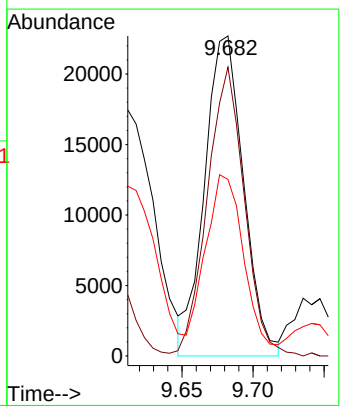


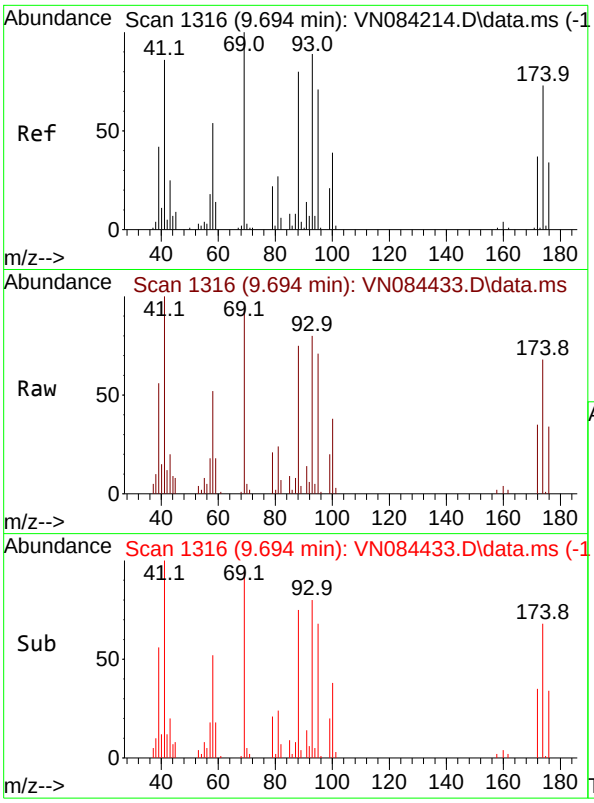


#48
Methyl methacrylate
Concen: 17.526 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 41 Resp: 43352

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	56.5	45.8	68.6



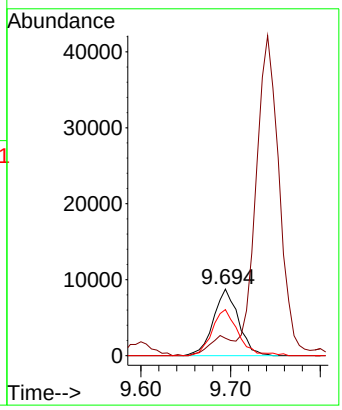


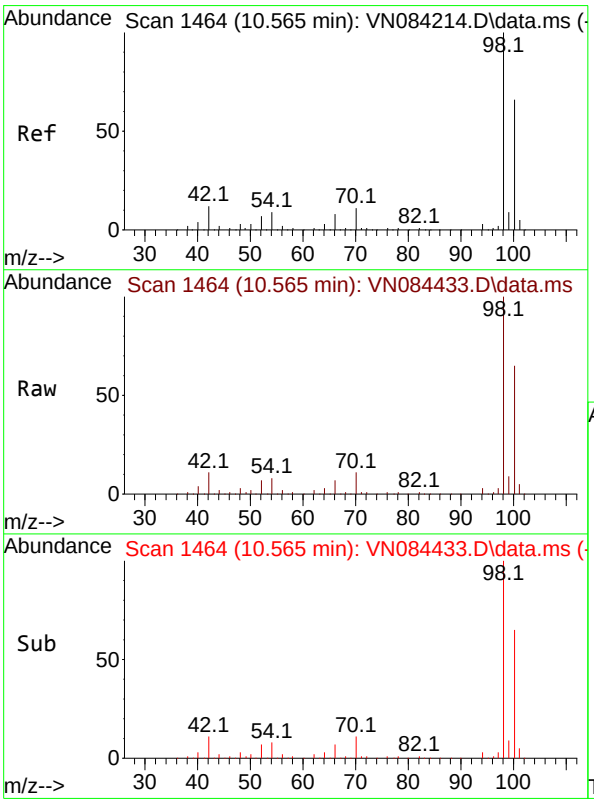
#49
1,4-Dioxane
Concen: 373.245 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 88 Resp: 16997

Ion	Ratio	Lower	Upper
88	100		
43	28.7	25.3	37.9
58	72.3	56.4	84.6

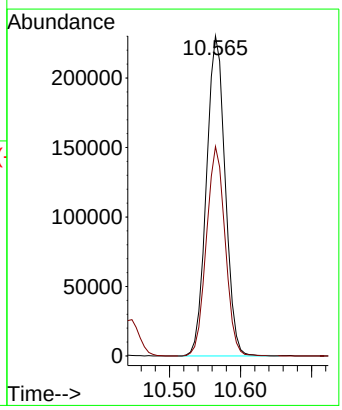


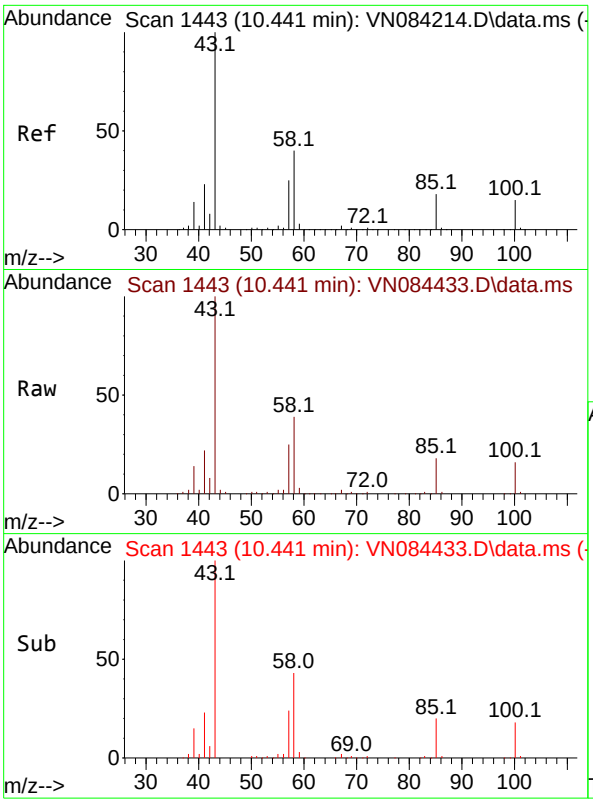


#50
Toluene-d8
Concen: 53.947 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 98 Resp: 422532

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



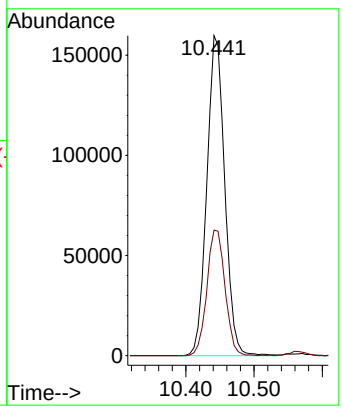


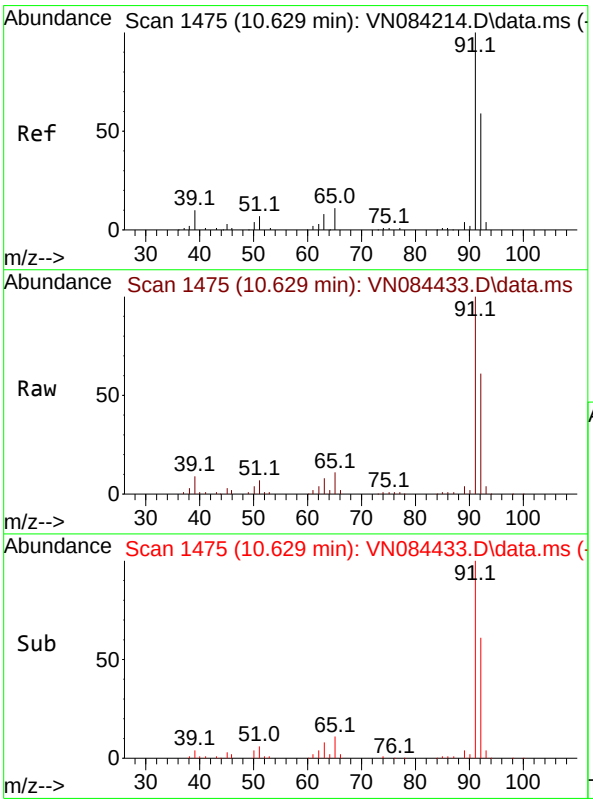
#51
4-Methyl-2-Pentanone
Concen: 96.801 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 43 Resp: 292338

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4

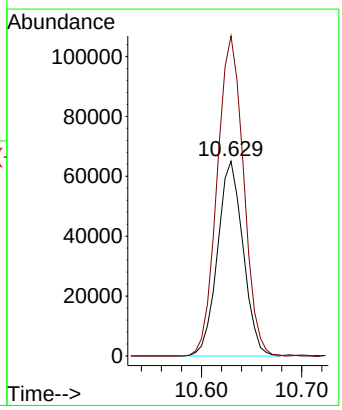


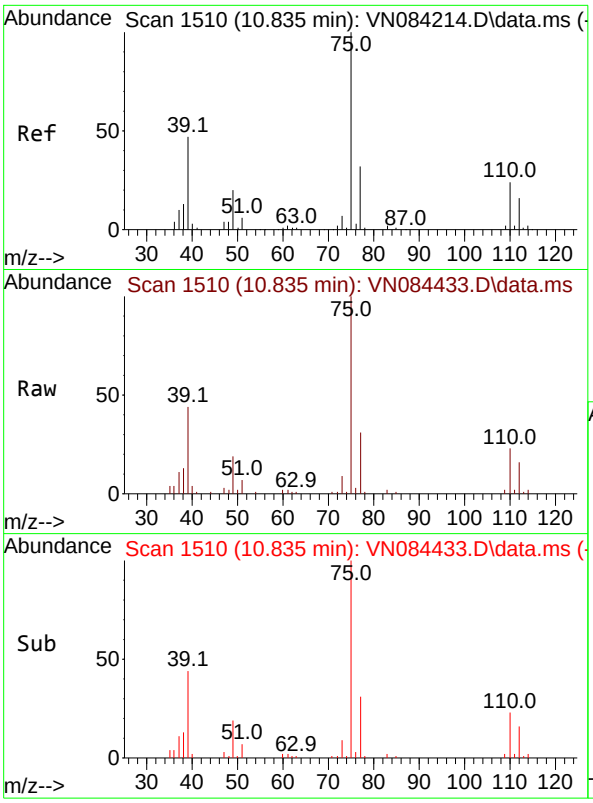


#52
Toluene
Concen: 19.551 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 92 Resp: 114864

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.3	205.9



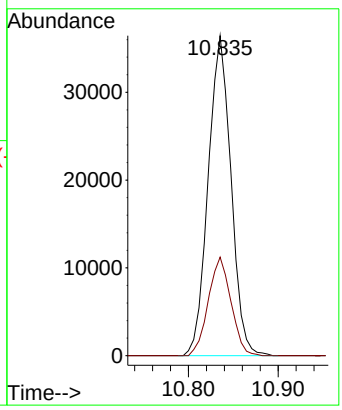


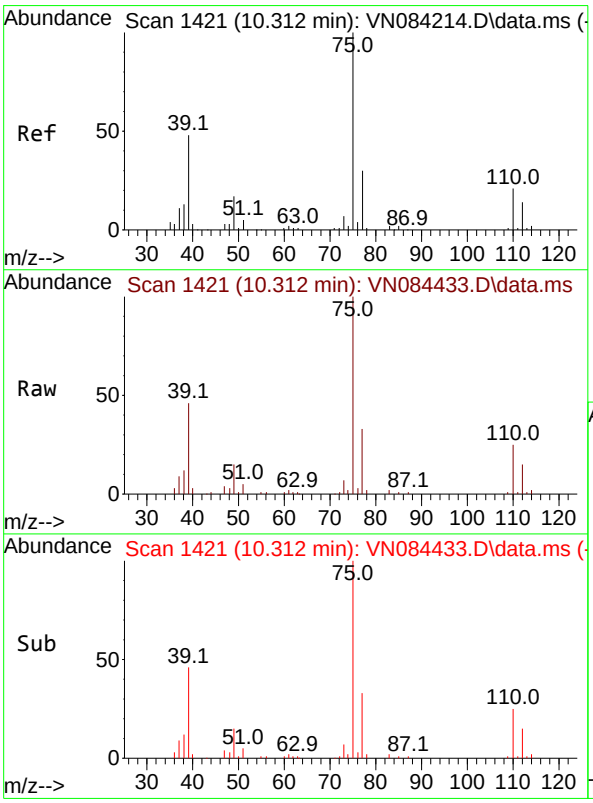
#53
t-1,3-Dichloropropene
Concen: 18.476 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 75 Resp: 64356

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0

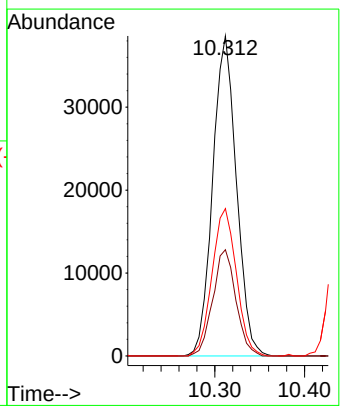


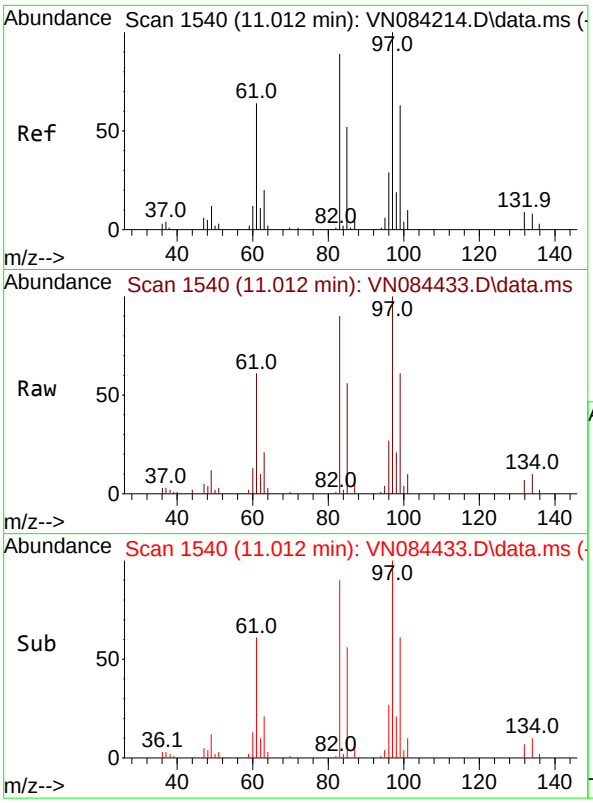


#54
cis-1,3-Dichloropropene
Concen: 18.891 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 70777

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.2	36.2
39	46.1	38.7	58.1



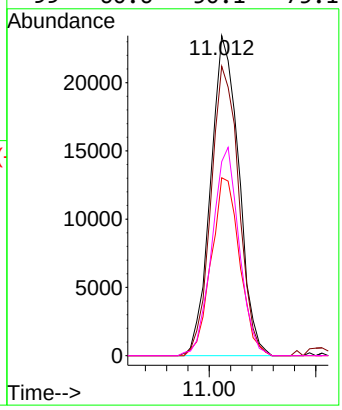


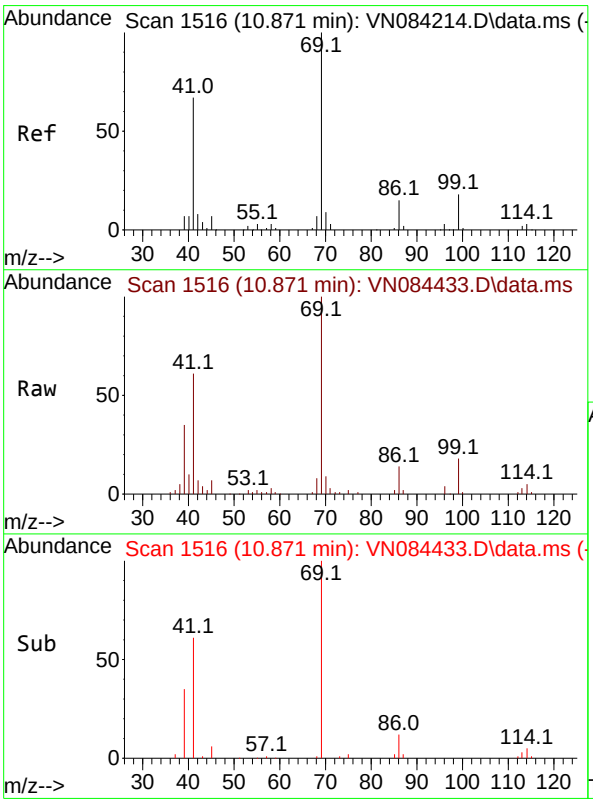
#55
1,1,2-Trichloroethane
Concen: 20.441 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 97 Resp: 43053

Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.0	106.4
85	55.6	41.7	62.5
99	60.6	50.1	75.1

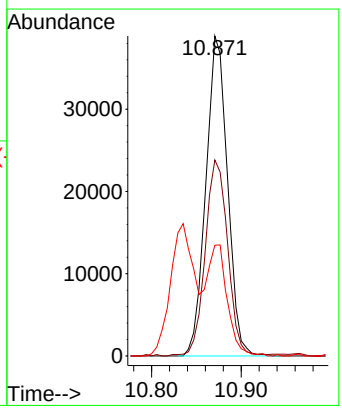


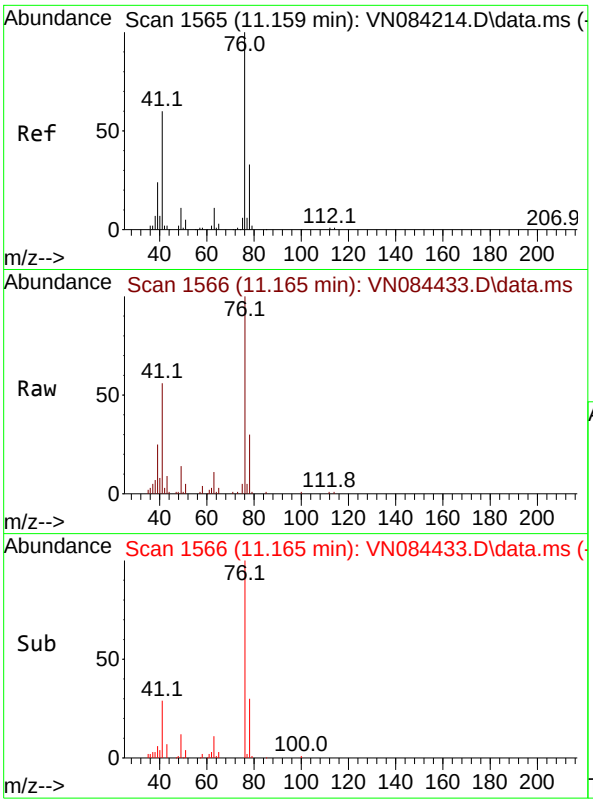


#56
Ethyl methacrylate
Concen: 18.829 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 69 Resp: 65255

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.3	79.9
39	33.9	28.8	43.2



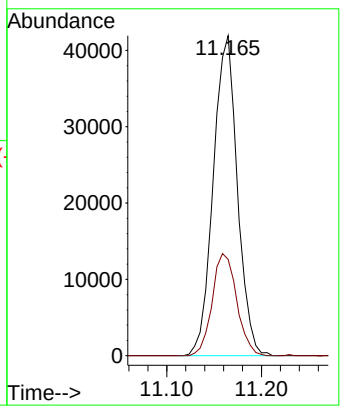


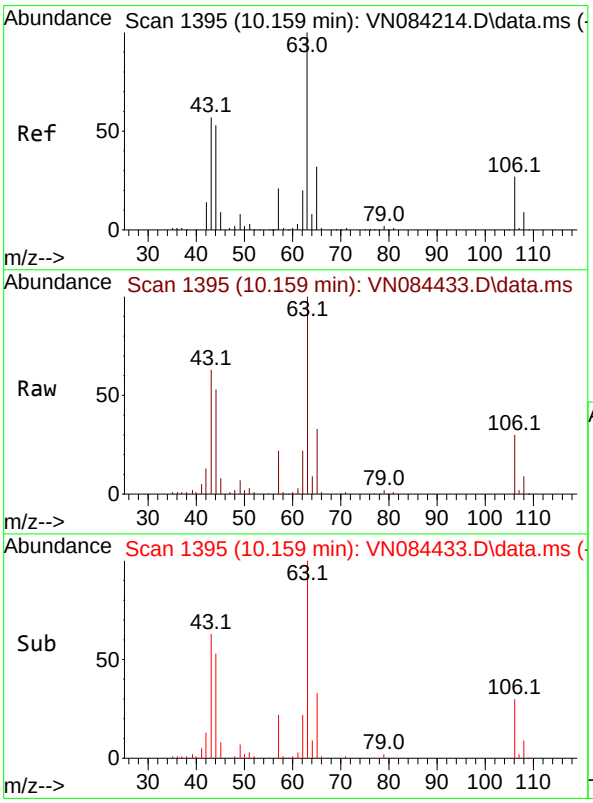
#57
1,3-Dichloropropane
Concen: 19.693 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 76 Resp: 74113

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

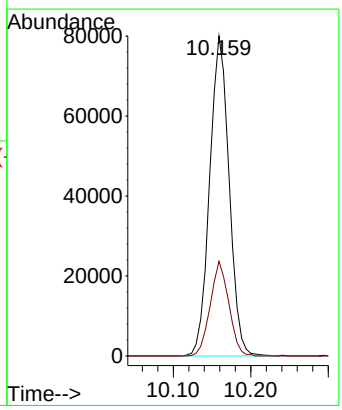


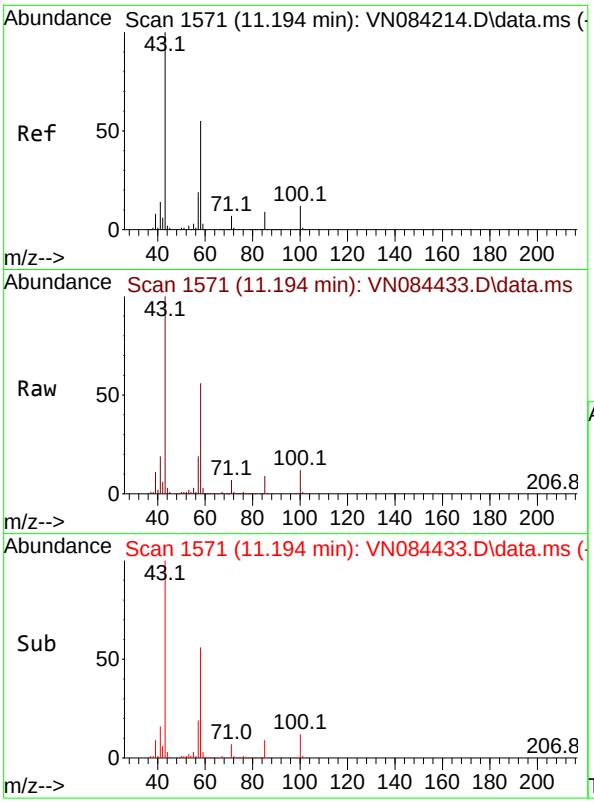


#58
2-Chloroethyl Vinyl ether
Concen: 86.930 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 63 Resp: 139755

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.8	32.6



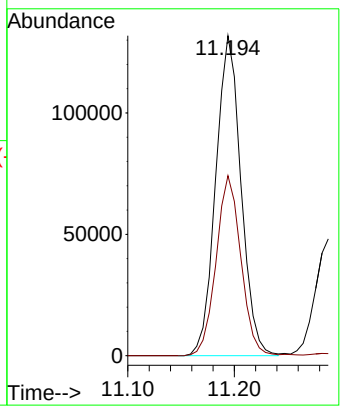


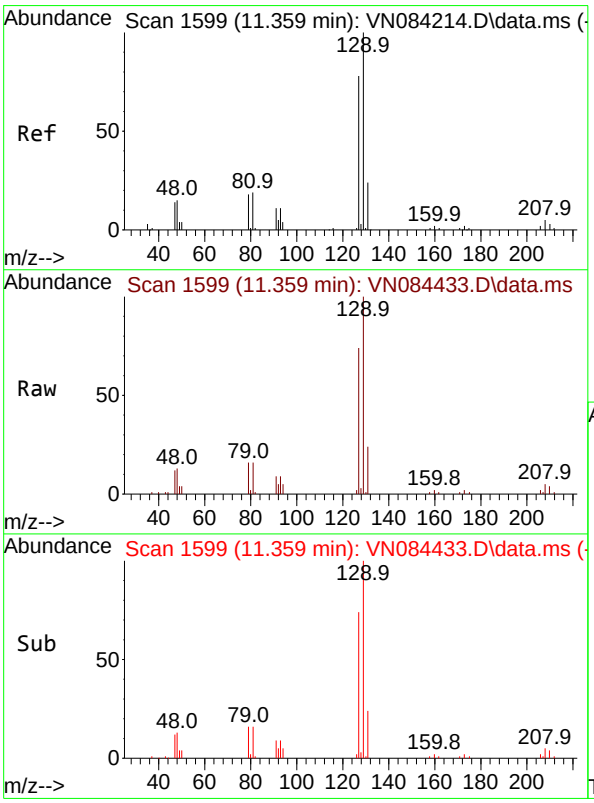
#59
2-Hexanone
Concen: 96.112 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 43 Resp: 216944

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.3	81.8

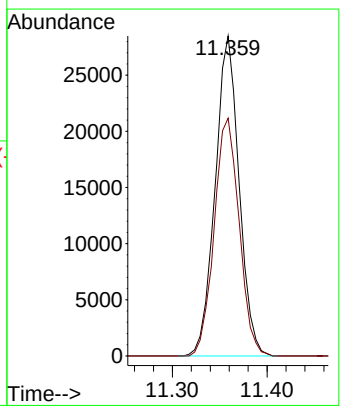


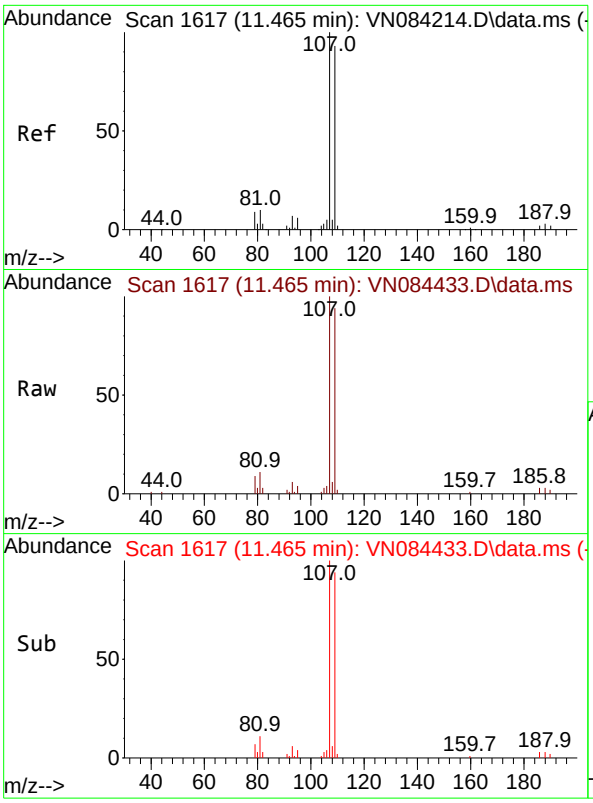


#60
Dibromochloromethane
Concen: 20.104 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:129 Resp: 50030

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9



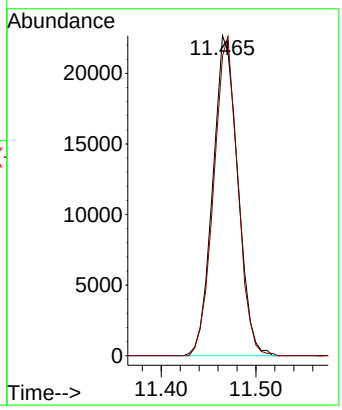


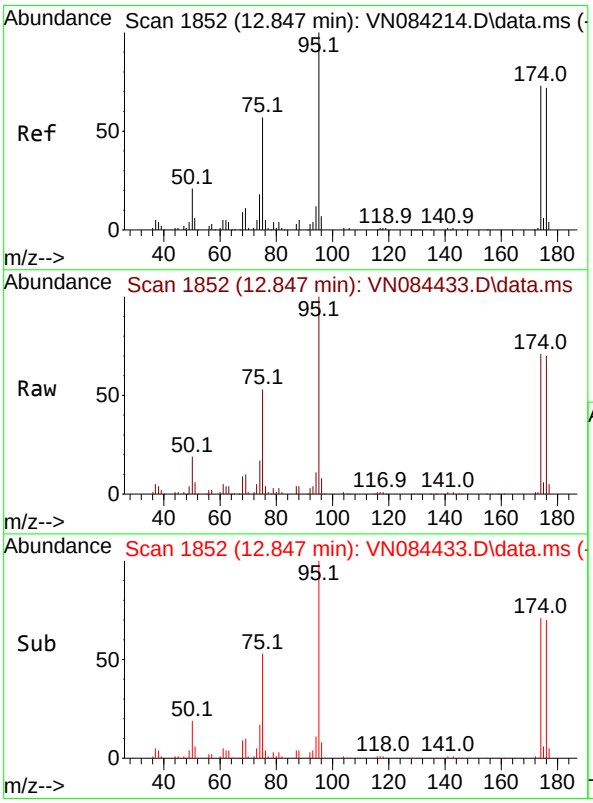
#61
1,2-Dibromoethane
Concen: 18.994 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:107 Resp: 41569

Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.4	113.0

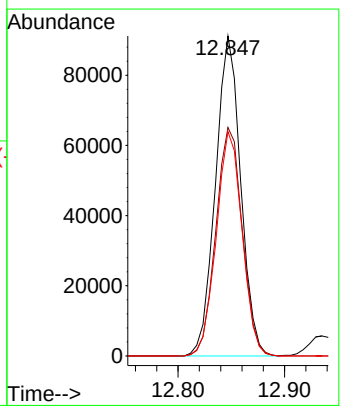


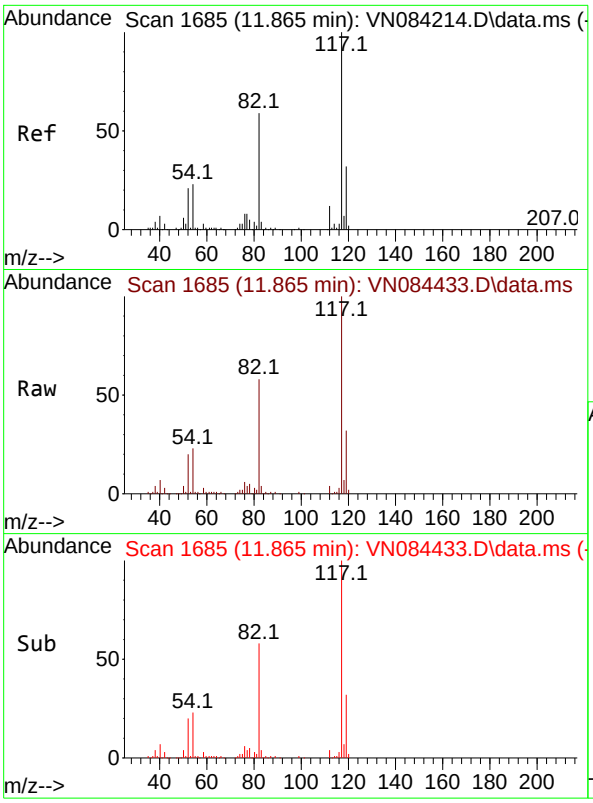


#62
4-Bromofluorobenzene
Concen: 52.521 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 95 Resp: 149865

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	71.6	0.0	140.0



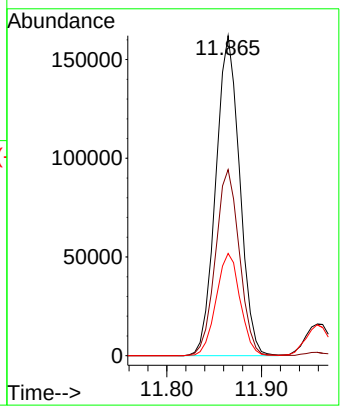


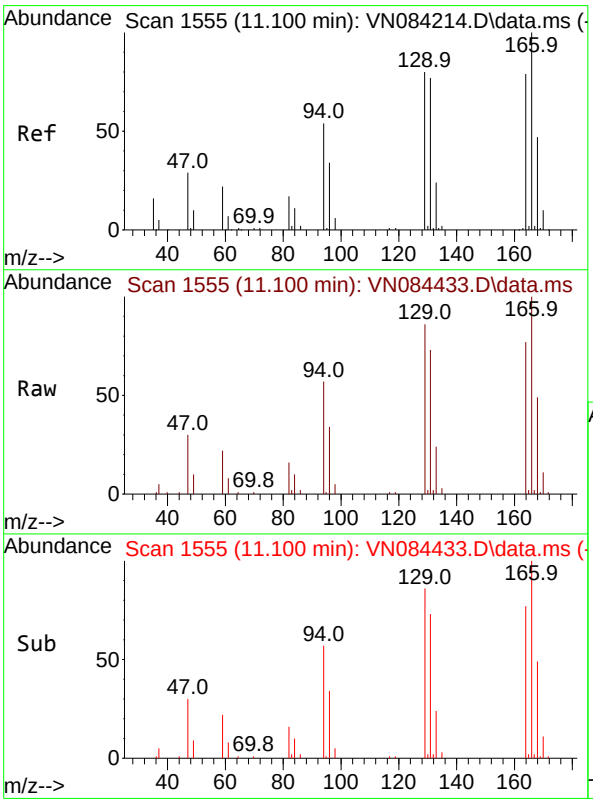
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:117 Resp: 284161

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	31.9	25.4	38.0

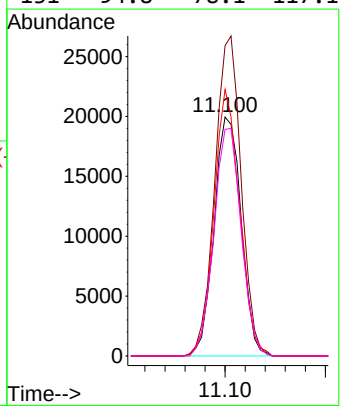


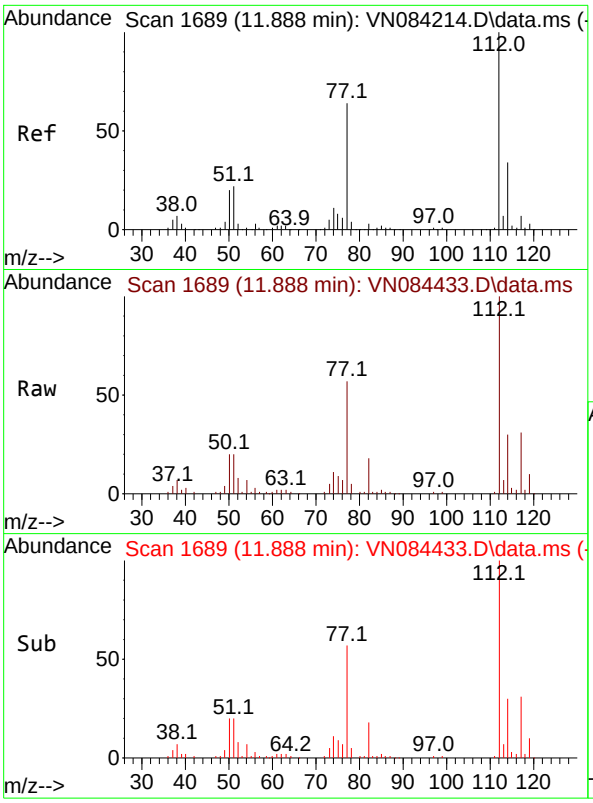


#64
Tetrachloroethene
Concen: 18.924 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:164 Resp: 37454

Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.0	151.4
129	111.5	80.8	121.2
131	94.8	78.1	117.1



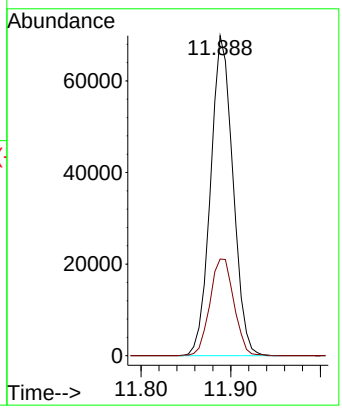


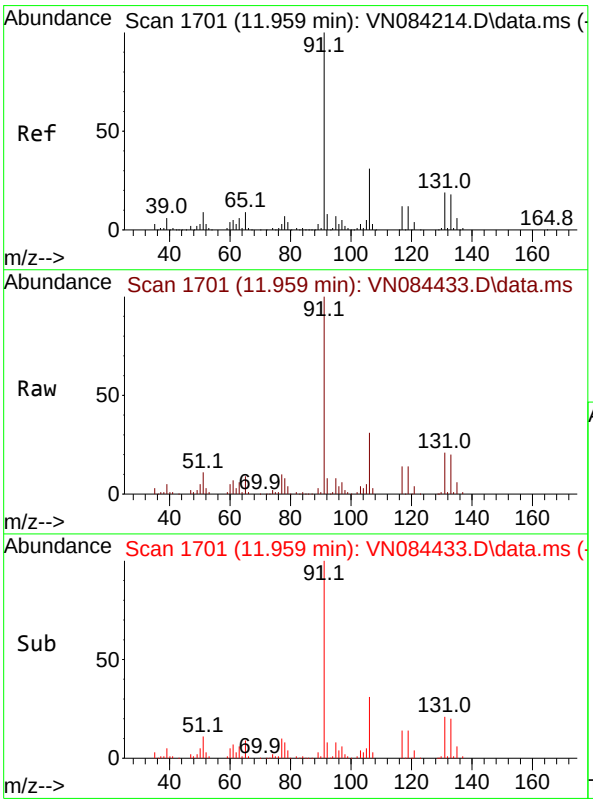
#65
Chlorobenzene
Concen: 19.217 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:112 Resp: 121076

Ion	Ratio	Lower	Upper
112	100		
114	30.2	27.0	40.6

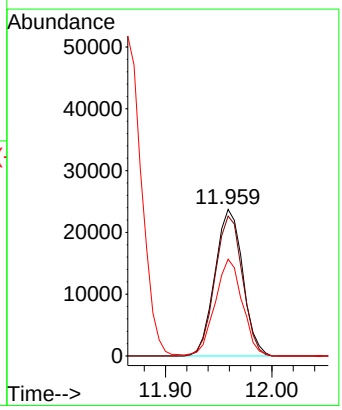


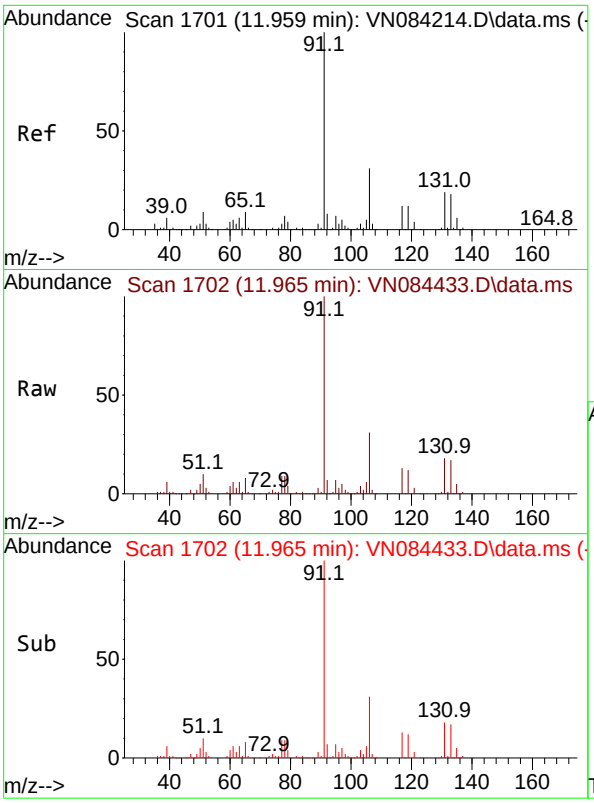


#66
1,1,1,2-Tetrachloroethane
Concen: 19.865 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:131 Resp: 43109

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.7
119	64.6	32.8	98.3



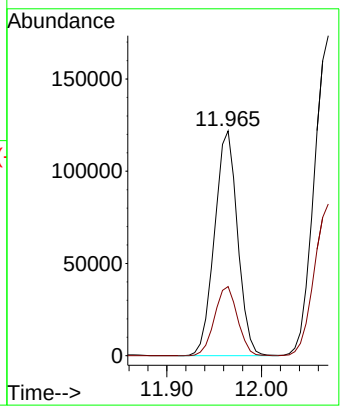


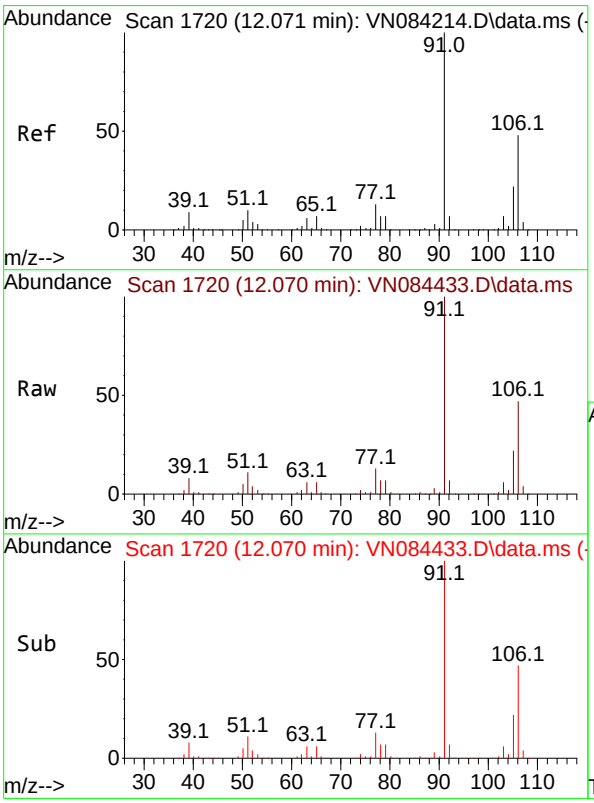
#67
Ethyl Benzene
Concen: 18.470 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 91 Resp: 205793

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7

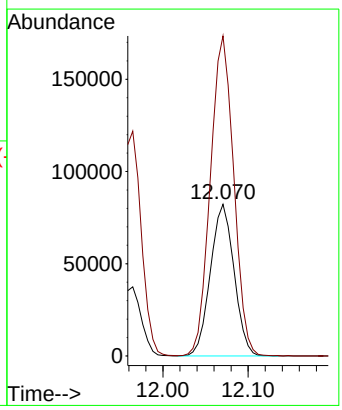


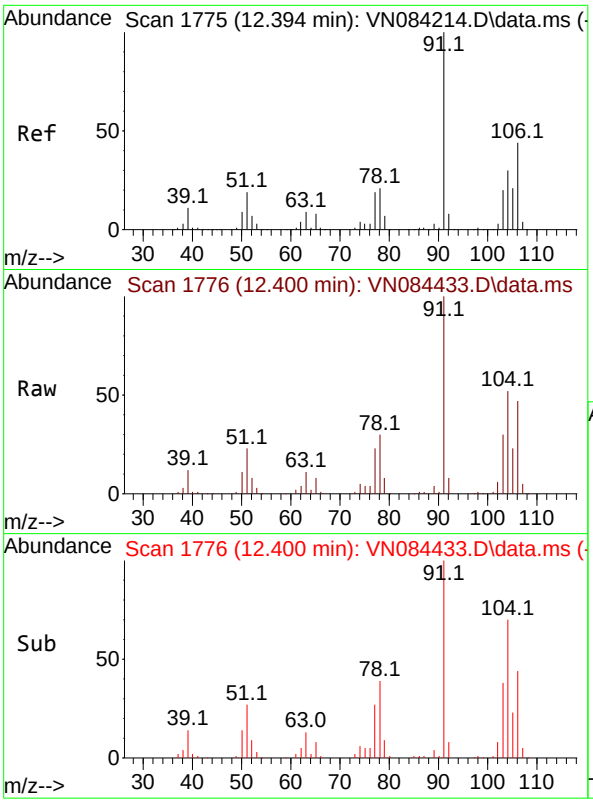


#68
m/p-Xylenes
Concen: 38.498 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:106 Resp: 158675

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.1	250.7



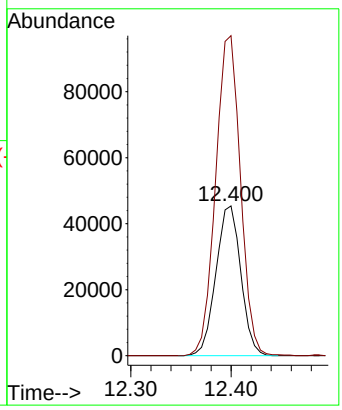


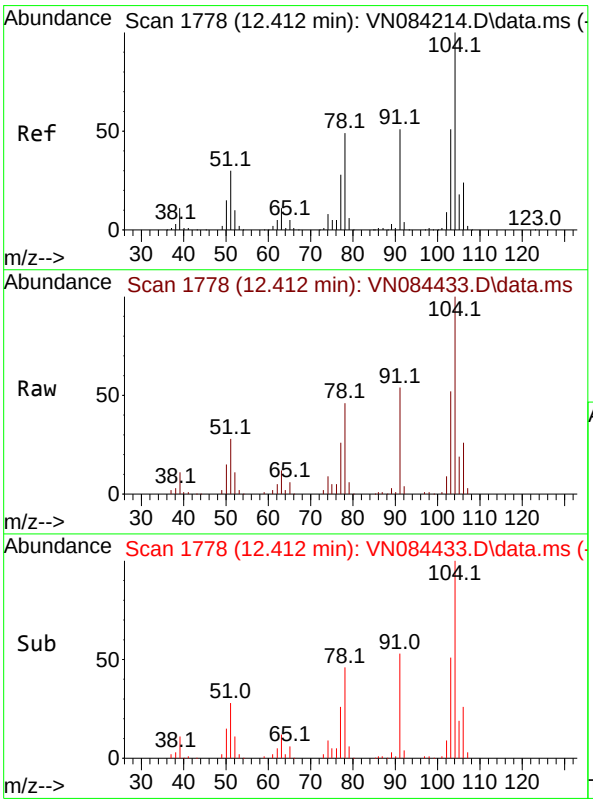
#69
o-Xylene
Concen: 20.049 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:106 Resp: 78180

Ion	Ratio	Lower	Upper
106	100		
91	213.5	110.2	330.6

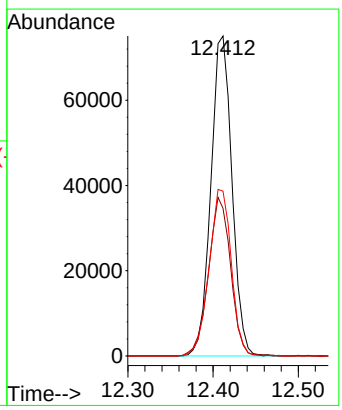


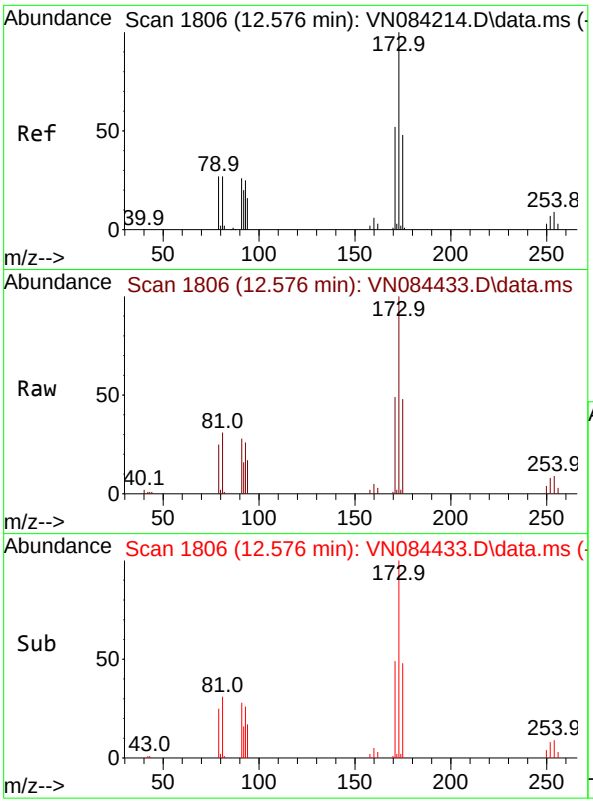


#70
Styrene
Concen: 19.541 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:104 Resp: 129069

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	55.0	43.6	65.4



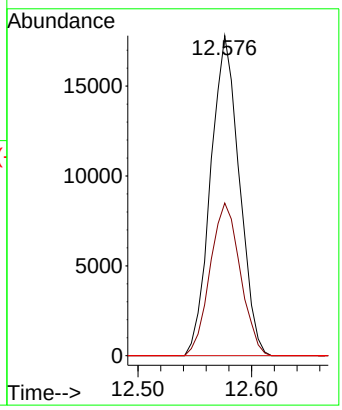


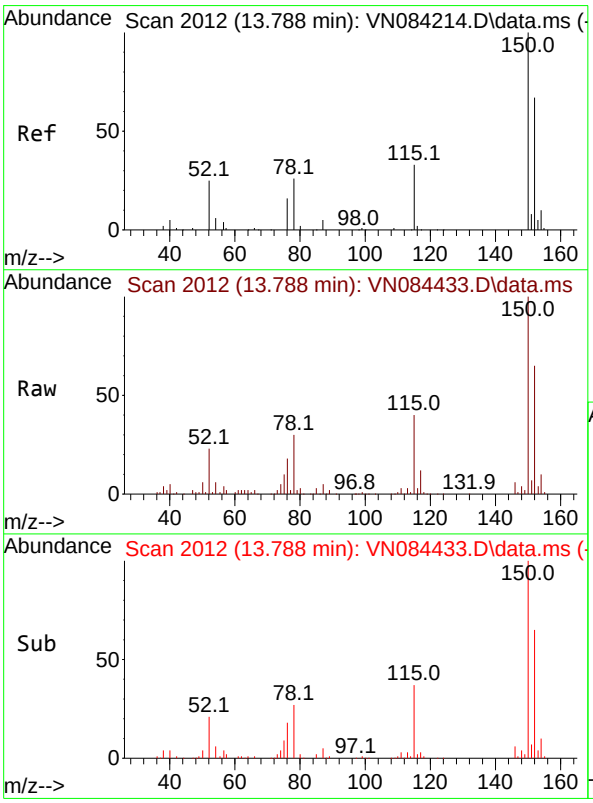
#71
Bromoform
Concen: 19.529 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:173 Resp: 31202

Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.5	70.6
254	0.0	0.0	0.0

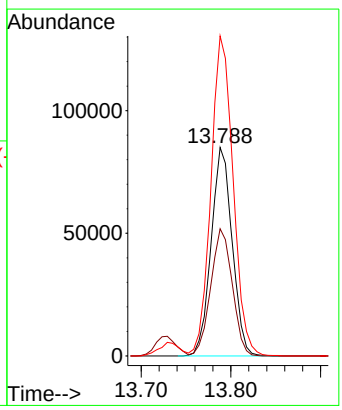


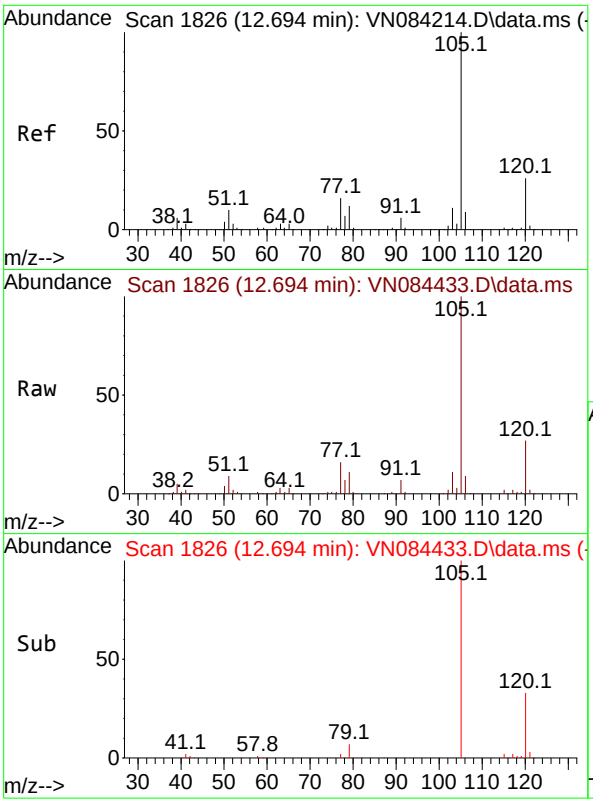


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:152 Resp: 138325

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	161.5	0.0	349.8



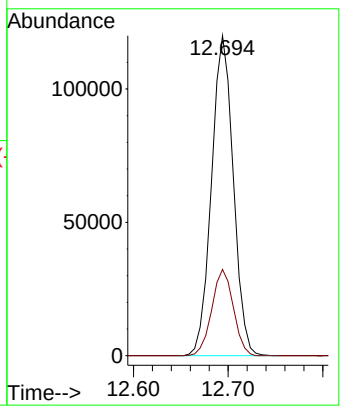


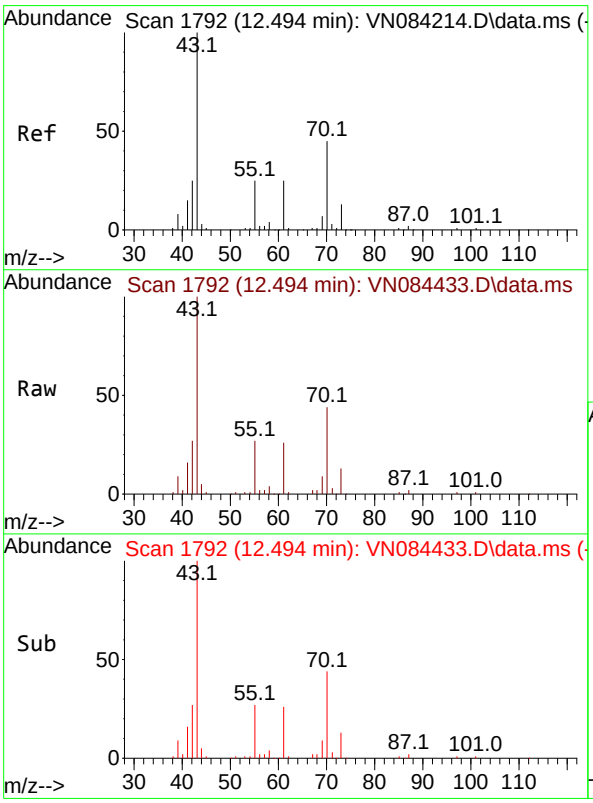
#73
Isopropylbenzene
Concen: 18.189 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:105 Resp: 191996

Ion	Ratio	Lower	Upper
105	100		
120	26.6	12.9	38.7

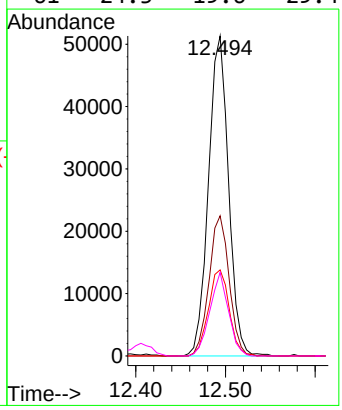


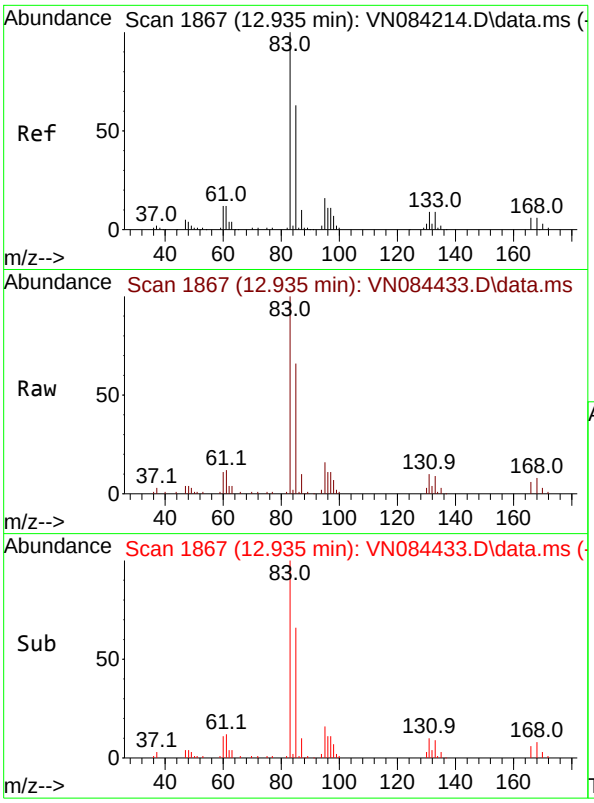


#74
N-amyl acetate
Concen: 16.664 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 43 Resp: 79653

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.4	51.6
55	28.0	19.6	29.4
61	24.3	19.6	29.4



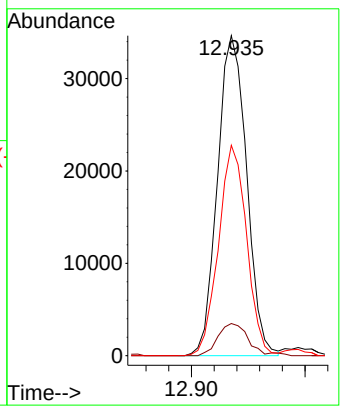


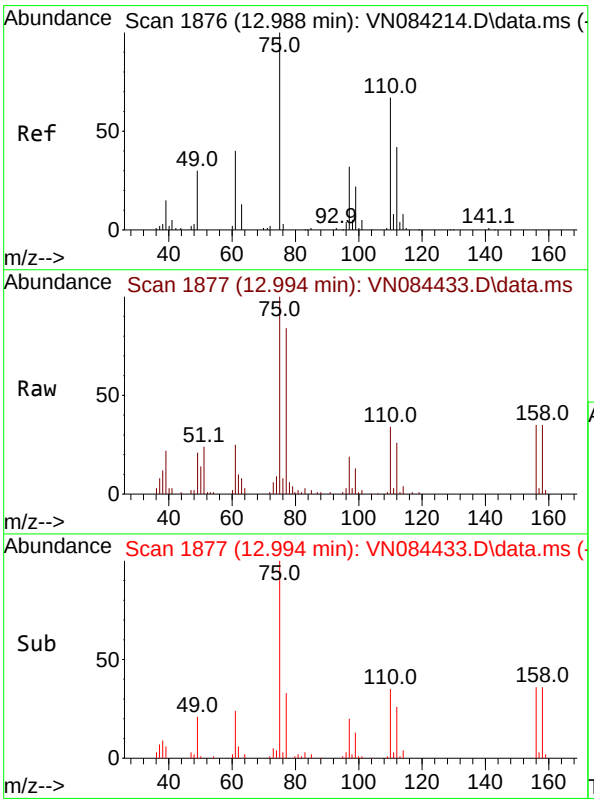
#75
1,1,2,2-Tetrachloroethane
Concen: 19.448 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 83 Resp: 61726

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	63.5	31.9	95.7

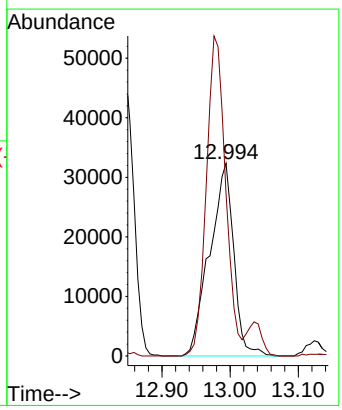


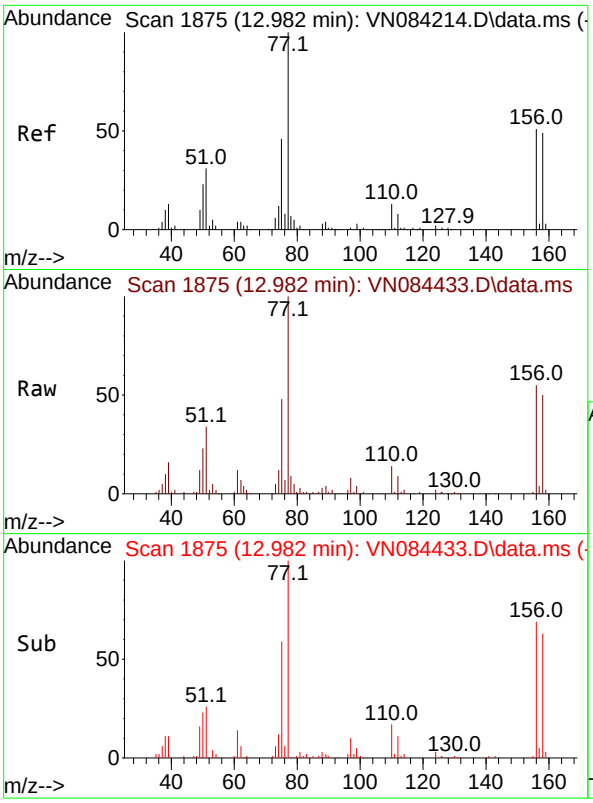


#76
1,2,3-Trichloropropane
Concen: 28.204 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 79646

Ion	Ratio	Lower	Upper
75	100		
77	132.9	96.9	290.7



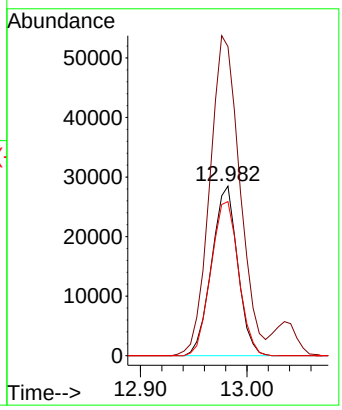


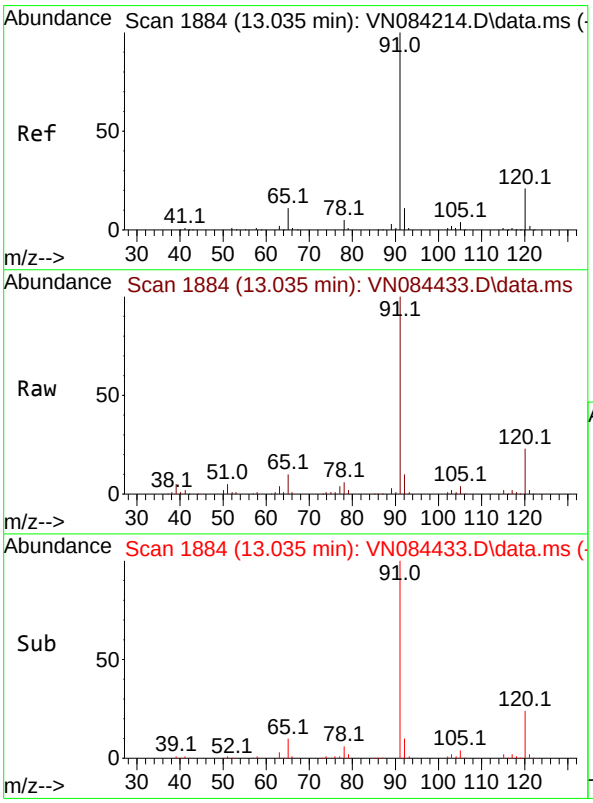
#77
Bromobenzene
Concen: 18.964 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:156 Resp: 48284

Ion	Ratio	Lower	Upper
156	100		
77	219.2	115.1	345.3
158	96.4	48.9	146.8

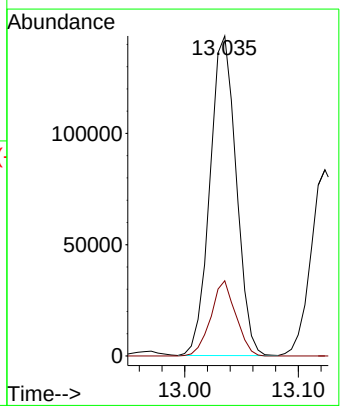


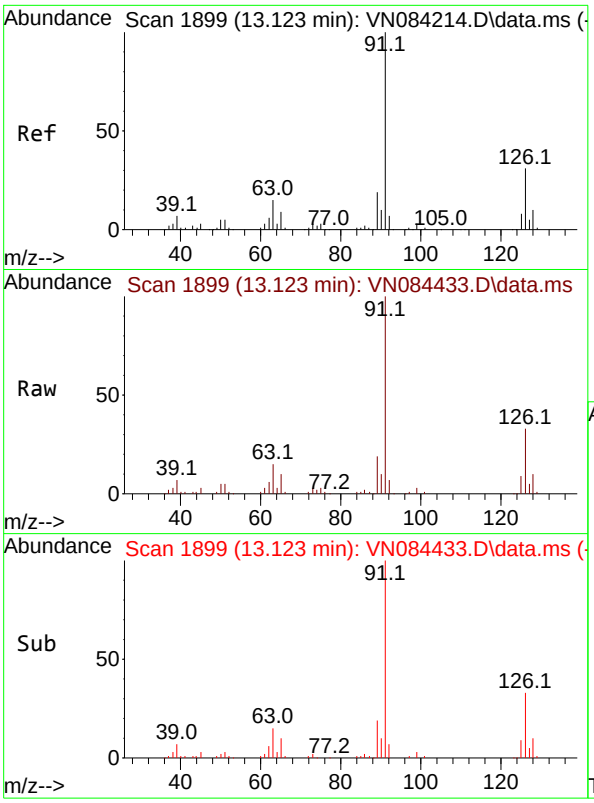


#78
n-propylbenzene
Concen: 18.903 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 91 Resp: 231176

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



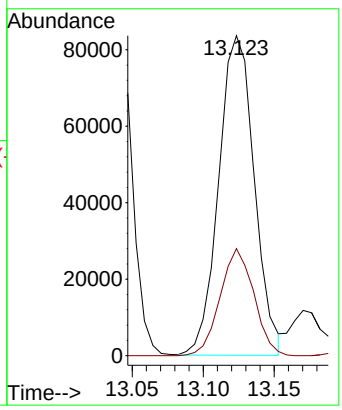


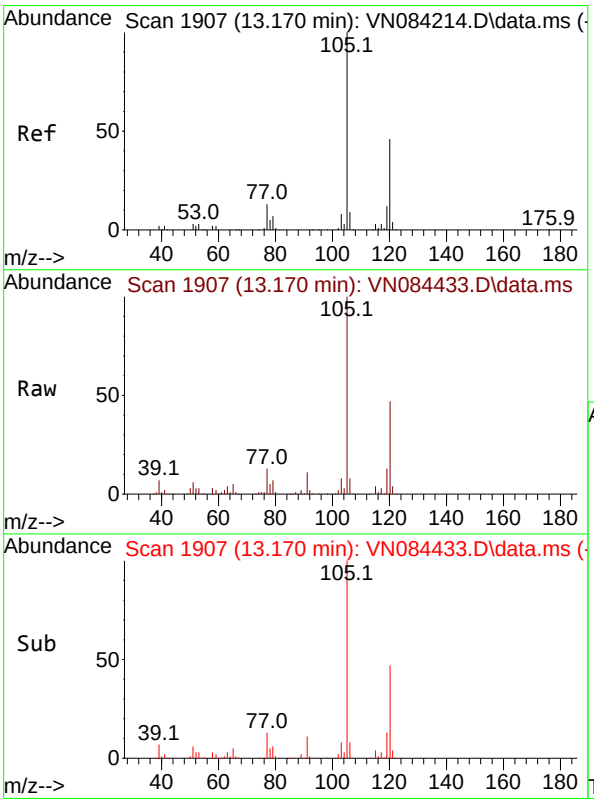
#79
2-Chlorotoluene
Concen: 18.674 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 91 Resp: 145730

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1

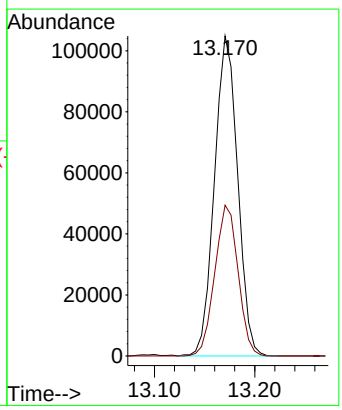


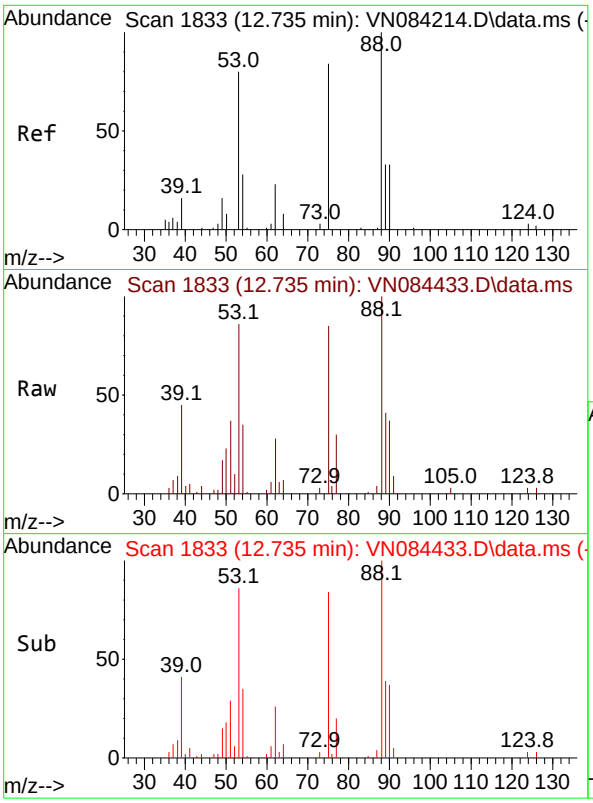


#80
1,3,5-Trimethylbenzene
Concen: 19.550 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:105 Resp: 168330

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1



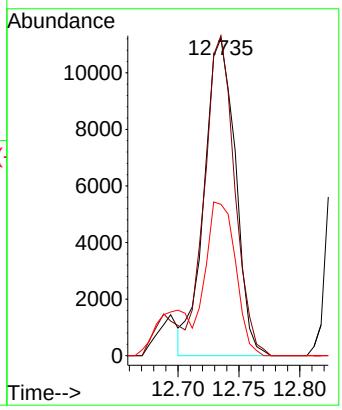


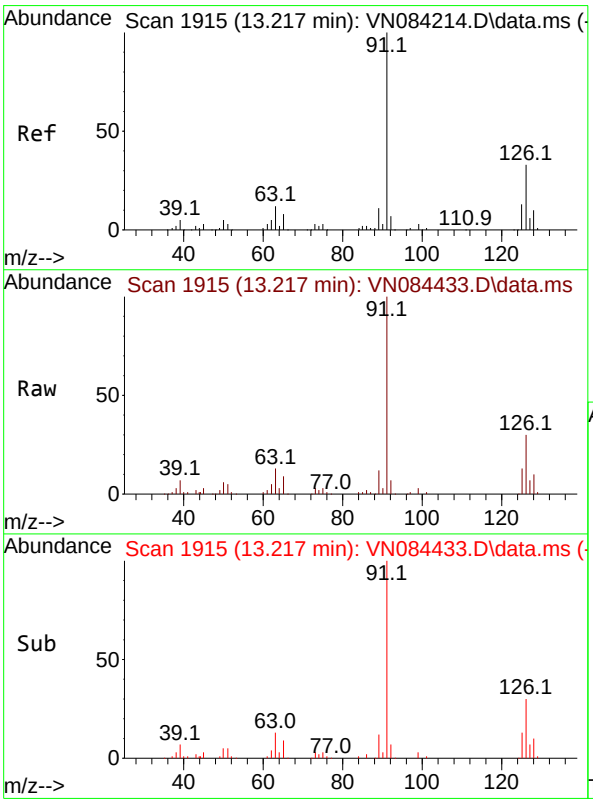
#81
trans-1,4-Dichloro-2-butene
Concen: 16.940 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 75 Resp: 19953

Ion	Ratio	Lower	Upper
75	100		
53	96.1	78.0	117.0
89	46.4	35.5	53.3

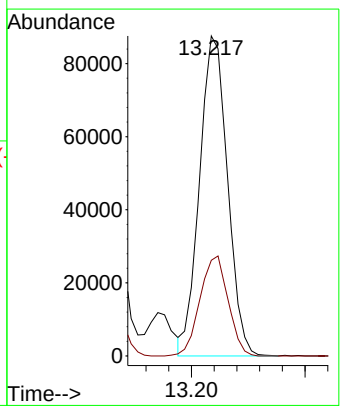


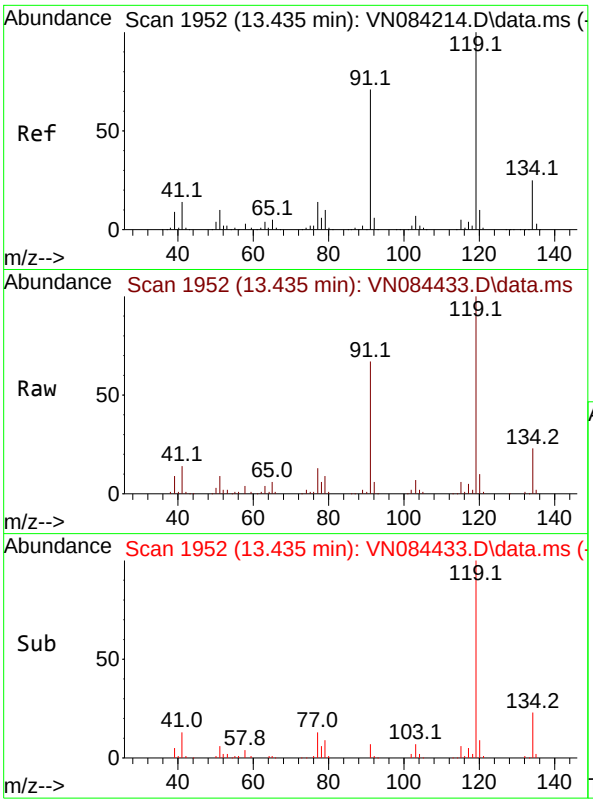


#82
4-Chlorotoluene
Concen: 19.064 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 91 Resp: 149766

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1



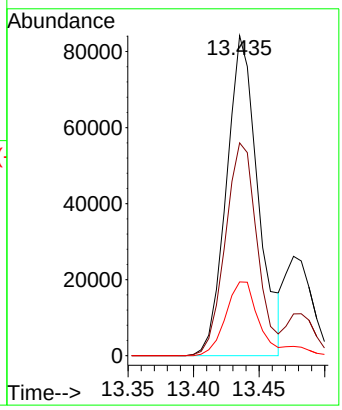


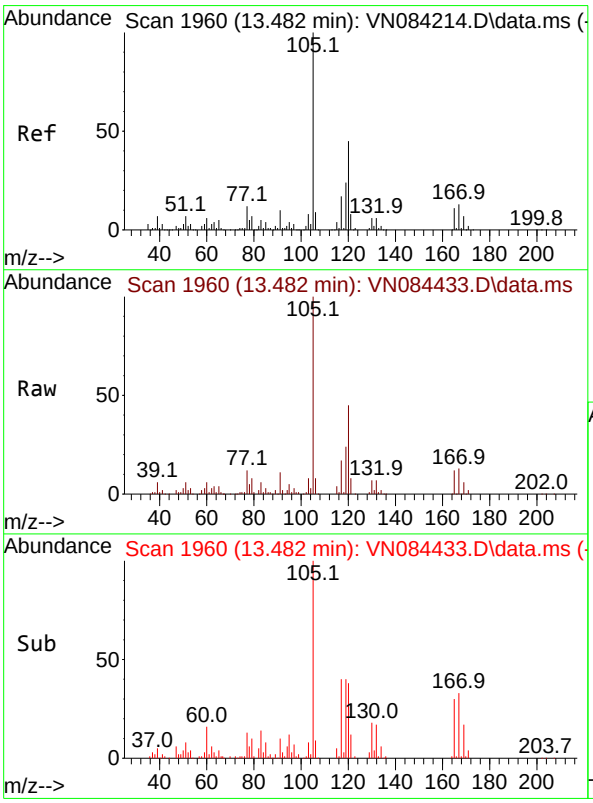
#83
tert-Butylbenzene
Concen: 18.459 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:119 Resp: 141261

Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.8	12.8	38.4

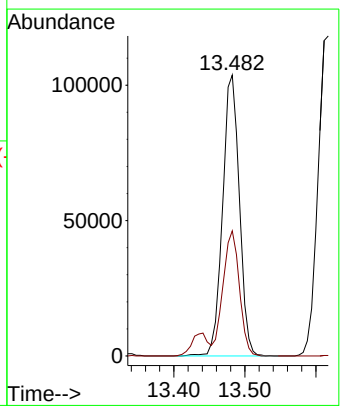


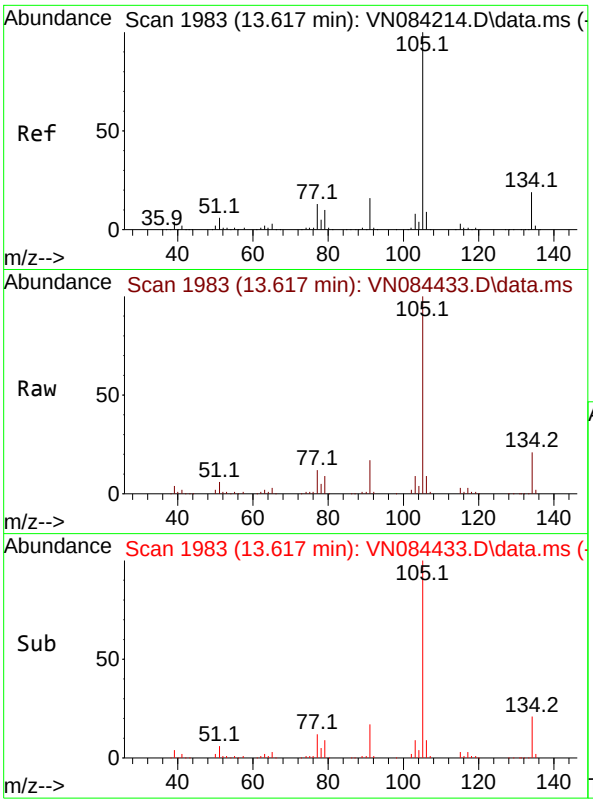


#84
1,2,4-Trimethylbenzene
Concen: 19.547 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:105 Resp: 169548

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



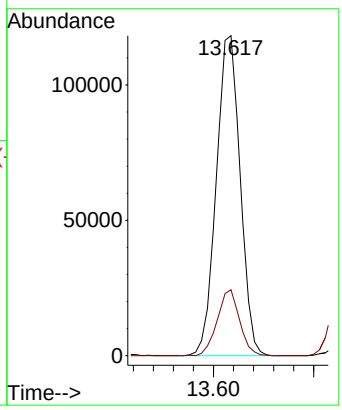


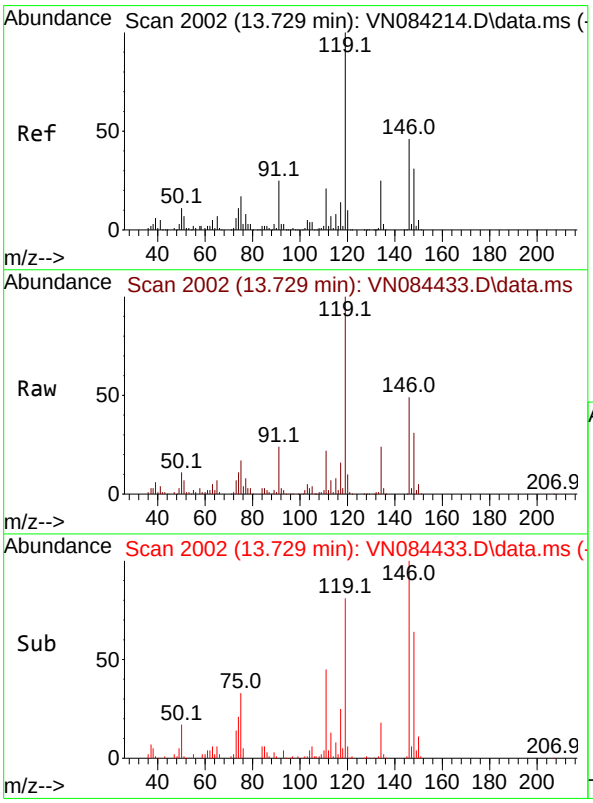
#85
sec-Butylbenzene
Concen: 19.133 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:105 Resp: 195385

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

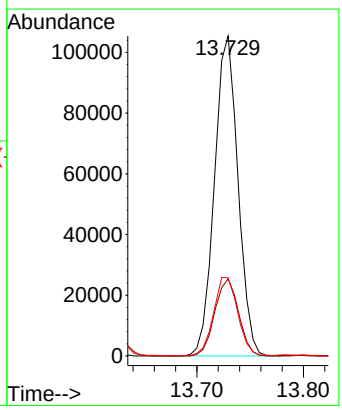


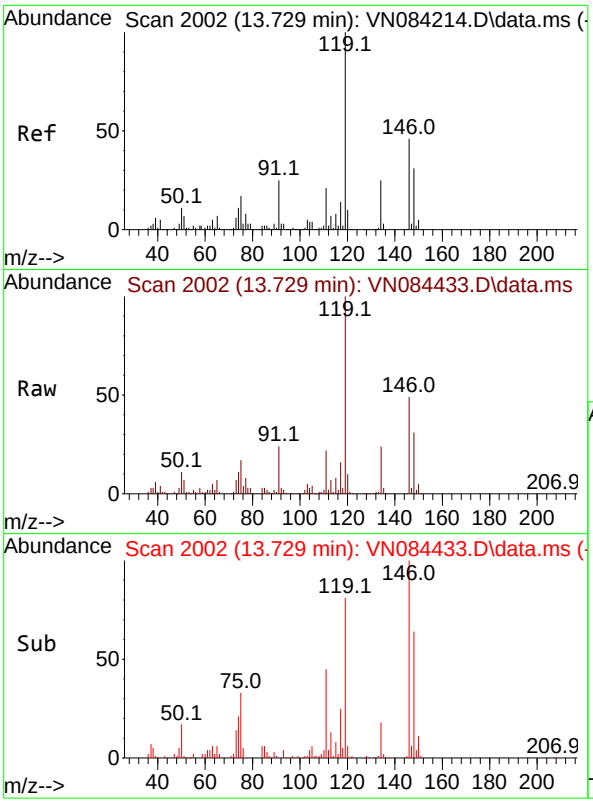


#86
p-Isopropyltoluene
Concen: 19.125 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:119 Resp: 161505

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	25.3	12.4	37.2



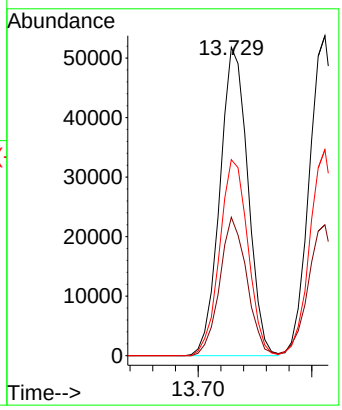


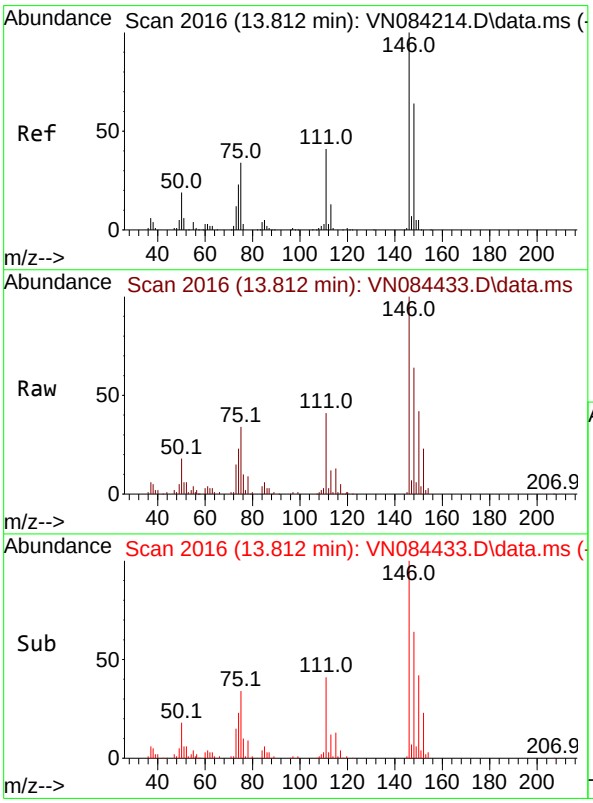
#87
1,3-Dichlorobenzene
Concen: 18.569 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:146 Resp: 88692

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	64.2	31.9	95.7

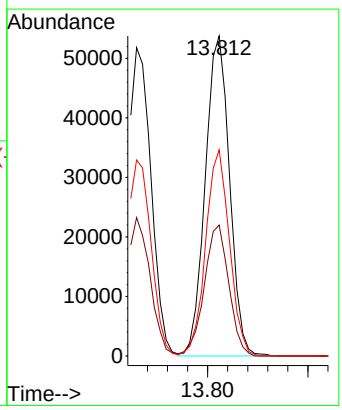


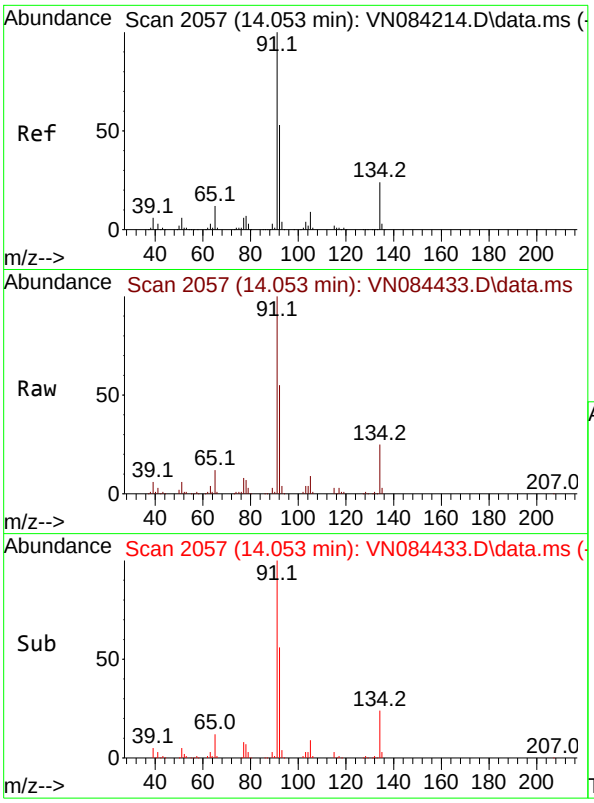


#88
1,4-Dichlorobenzene
Concen: 18.784 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:146 Resp: 90608

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.2	63.6
148	63.1	31.9	95.9



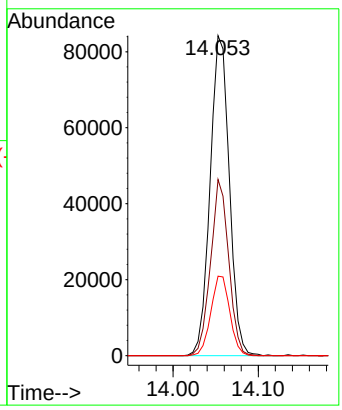


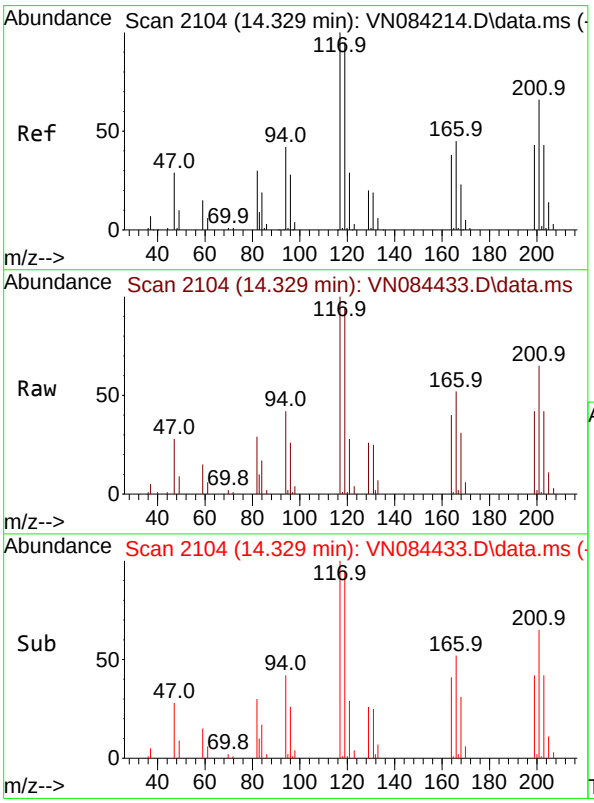
#89
n-Butylbenzene
Concen: 17.250 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion: 91 Resp: 132089

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.6	79.7
134	24.5	12.3	36.9

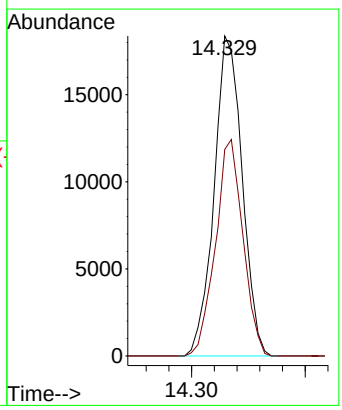


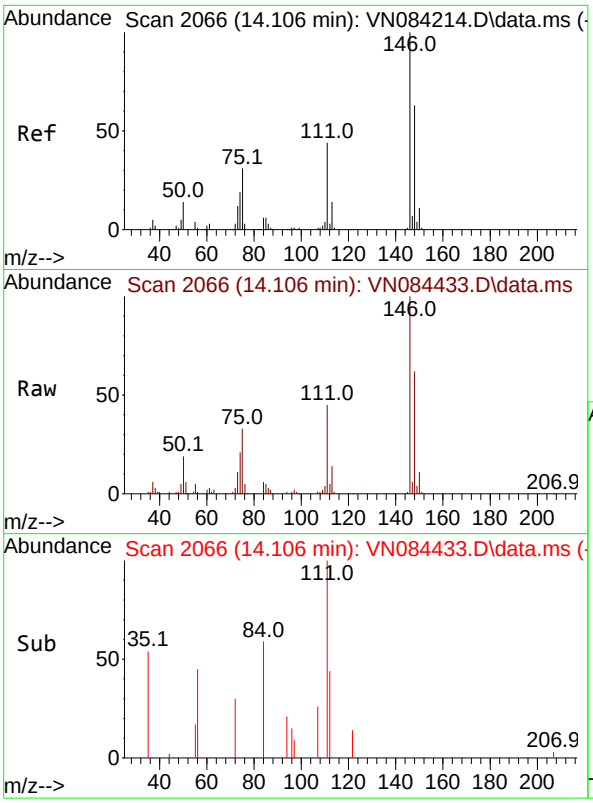


#90
Hexachloroethane
Concen: 18.419 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:117 Resp: 31571

Ion	Ratio	Lower	Upper
117	100		
201	66.1	34.4	103.2



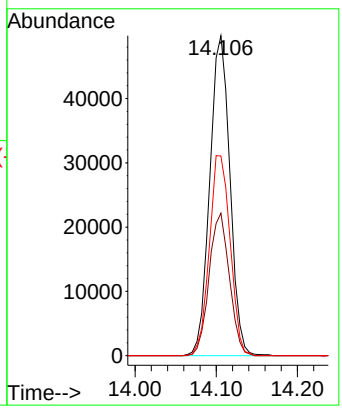


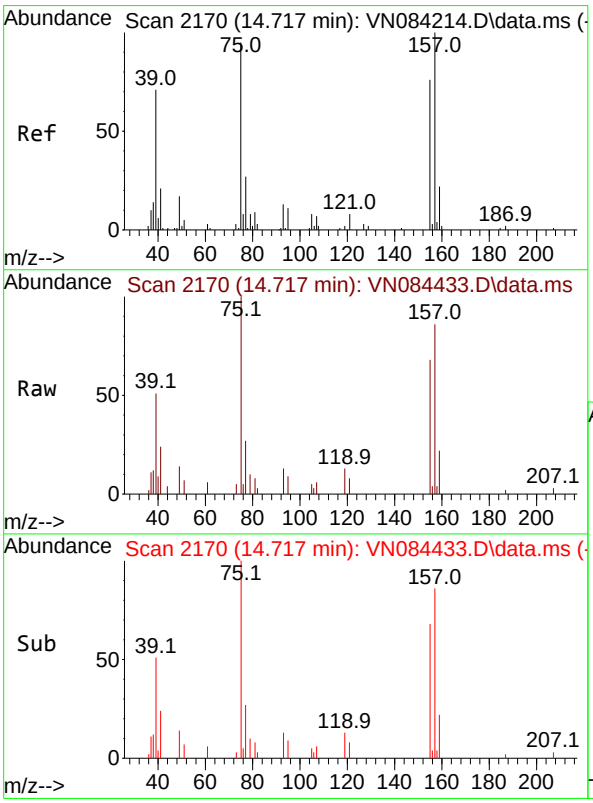
#91
1,2-Dichlorobenzene
Concen: 18.319 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:146 Resp: 85799

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.0	66.0
148	64.6	32.1	96.3

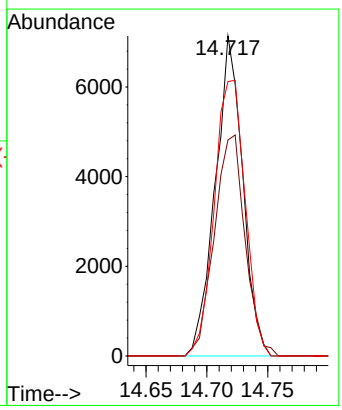


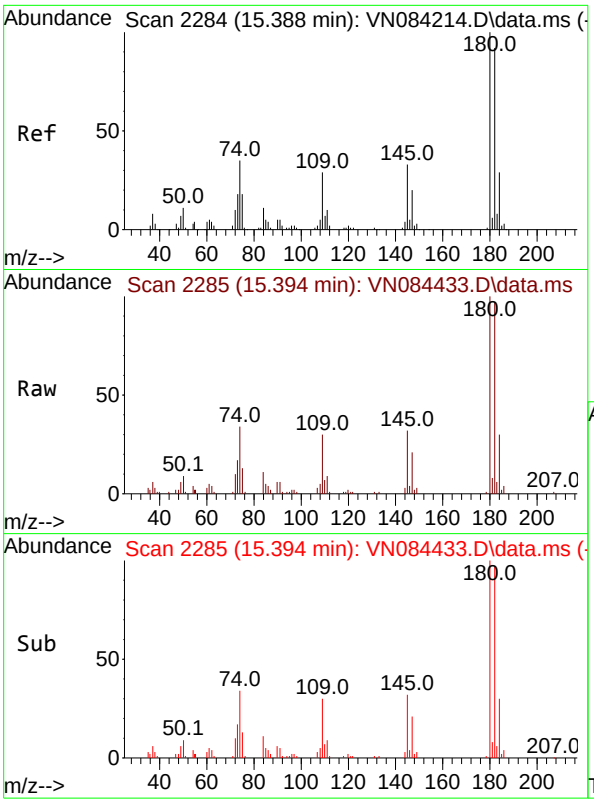


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.065 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion: 75 Resp: 11177

Ion	Ratio	Lower	Upper
75	100		
155	77.7	38.1	114.5
157	96.7	49.6	149.0



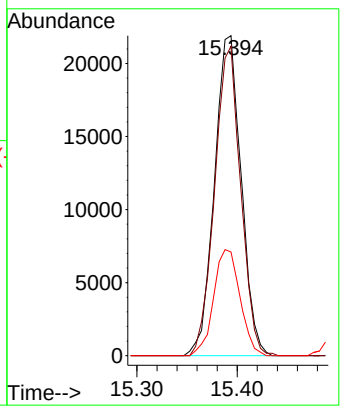


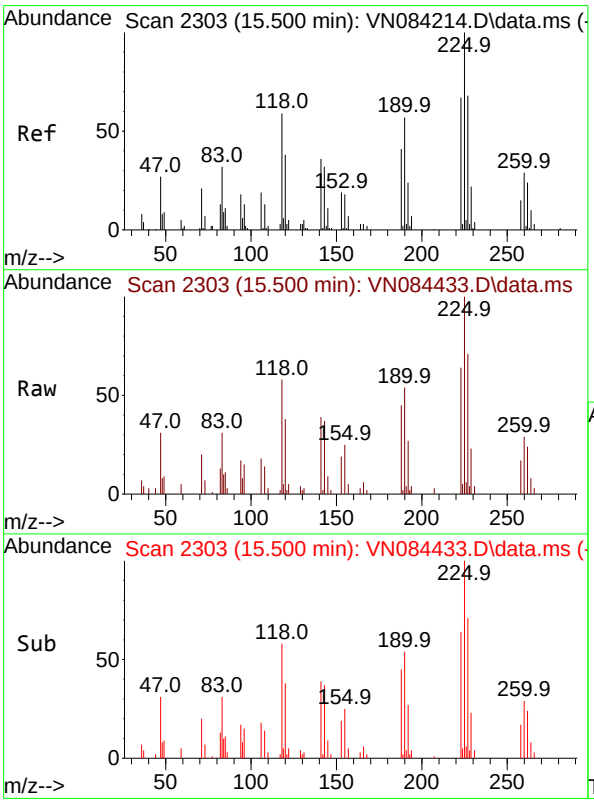
#93
1,2,4-Trichlorobenzene
Concen: 17.567 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:180 Resp: 40526

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.8	16.4	49.4

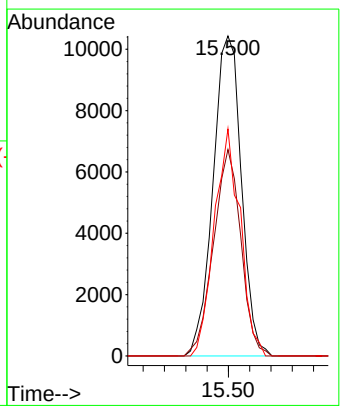


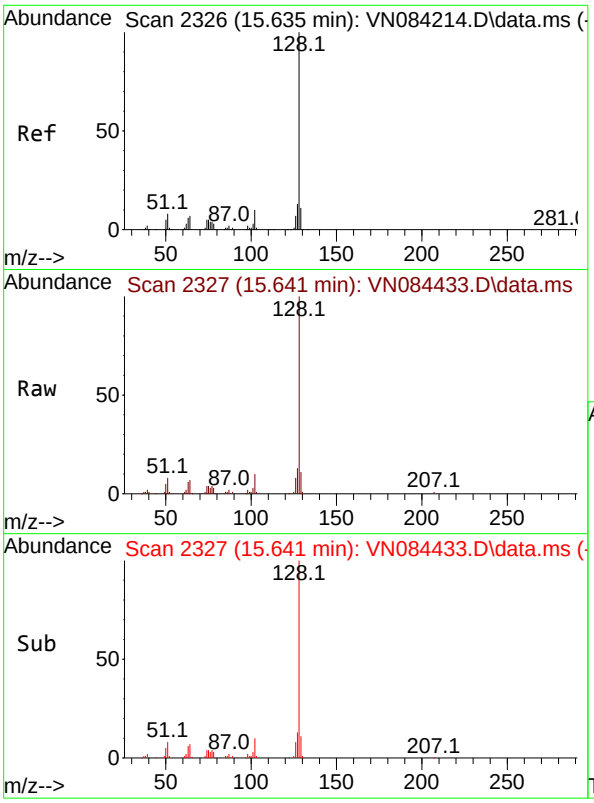


#94
Hexachlorobutadiene
Concen: 16.751 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:225 Resp: 19271

Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.4	97.2
227	64.9	32.4	97.0



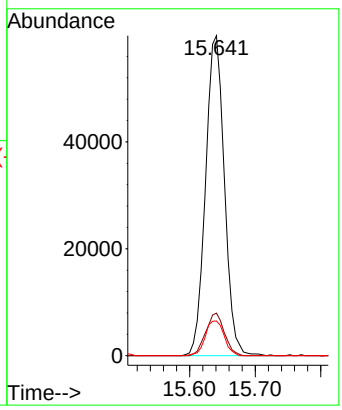


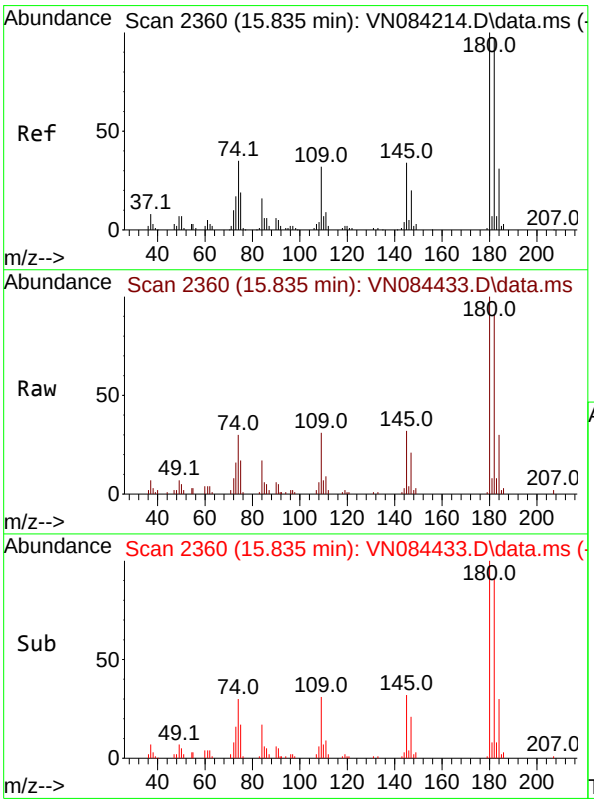
#95
Naphthalene
Concen: 15.638 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tgt Ion:128 Resp: 119595

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

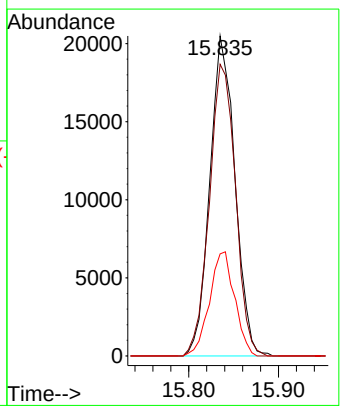




#96
1,2,3-Trichlorobenzene
Concen: 17.247 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084433.D
Acq: 21 Oct 2024 13:48

Tgt Ion:180 Resp: 39826

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	32.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Quant Time: Oct 22 01:33:47 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	163086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123457	51.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	8.165	113	97003	52.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.565	98	350013	51.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	129081	52.449	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32472	16.833	ug/l	93
3) Chloromethane	2.359	50	35804	16.255	ug/l	98
4) Vinyl Chloride	2.512	62	36441	17.080	ug/l	99
5) Bromomethane	2.959	94	23913	16.992	ug/l	99
6) Chloroethane	3.118	64	24475	16.017	ug/l	96
7) Trichlorofluoromethane	3.501	101	63283	19.047	ug/l	90
8) Diethyl Ether	3.959	74	23522	19.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	36689	19.273	ug/l	98
10) Methyl Iodide	4.589	142	44167	18.016	ug/l	99
11) Tert butyl alcohol	5.518	59	35053	87.914	ug/l	97
12) 1,1-Dichloroethene	4.342	96	32588	17.747	ug/l	96
13) Acrolein	4.189	56	24397	53.300	ug/l	98
14) Allyl chloride	5.024	41	53083	16.646	ug/l	99
15) Acrylonitrile	5.718	53	102471	101.771	ug/l	97
16) Acetone	4.430	43	95163	91.613	ug/l	94
17) Carbon Disulfide	4.712	76	84276	14.496	ug/l	96
18) Methyl Acetate	5.030	43	54347	24.005	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	122872	19.826	ug/l	98
20) Methylene Chloride	5.271	84	42636	20.192	ug/l	84
21) trans-1,2-Dichloroethene	5.783	96	35388	18.395	ug/l	95
22) Diisopropyl ether	6.671	45	130999	19.859	ug/l	99
23) Vinyl Acetate	6.606	43	504977	103.215	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72128	19.553	ug/l	96
25) 2-Butanone	7.483	43	136944	96.795	ug/l	97
26) 2,2-Dichloropropane	7.489	77	64755	19.469	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	44686	19.222	ug/l	98
28) Bromochloromethane	7.812	49	35788	21.744	ug/l	99
29) Tetrahydrofuran	7.841	42	85661	98.113	ug/l	97
30) Chloroform	7.965	83	76845	20.055	ug/l	97
31) Cyclohexane	8.253	56	58106	16.223	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68247	19.832	ug/l	96
36) 1,1-Dichloropropene	8.371	75	49846	18.689	ug/l	99
37) Ethyl Acetate	7.559	43	52425	19.160	ug/l	99
38) Carbon Tetrachloride	8.359	117	56628	19.356	ug/l	96
39) Methylcyclohexane	9.600	83	50490	17.009	ug/l	98
40) Benzene	8.606	78	162968	19.612	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Quant Time: Oct 22 01:33:47 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)
41) Methacrylonitrile	7.777	41	29826	20.079	ug/l		97
42) 1,2-Dichloroethane	8.671	62	58026	20.598	ug/l		99
43) Isopropyl Acetate	8.688	43	88049	16.429	ug/l		97
44) Trichloroethene	9.353	130	37926	19.541	ug/l		97
45) 1,2-Dichloropropane	9.624	63	41049	20.882	ug/l		96
46) Dibromomethane	9.712	93	29187	22.002	ug/l		99
47) Bromodichloromethane	9.888	83	61715	20.940	ug/l		98
48) Methyl methacrylate	9.682	41	40695	19.075	ug/l		97
49) 1,4-Dioxane	9.694	88	16333	415.845	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	271816	104.354	ug/l		99
52) Toluene	10.629	92	102809	20.289	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	59188	19.701	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	64640	20.003	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	40810	22.465	ug/l		96
56) Ethyl methacrylate	10.871	69	59539	19.919	ug/l		98
57) 1,3-Dichloropropane	11.165	76	68931	21.236	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	141699	102.191	ug/l		97
59) 2-Hexanone	11.194	43	198917	102.176	ug/l		99
60) Dibromochloromethane	11.359	129	46724	21.769	ug/l		98
61) 1,2-Dibromoethane	11.471	107	39150	20.741	ug/l		100
64) Tetrachloroethene	11.106	164	34348	19.288	ug/l		94
65) Chlorobenzene	11.888	112	110738	19.535	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39189	20.071	ug/l		99
67) Ethyl Benzene	11.965	91	184057	18.360	ug/l		99
68) m/p-Xylenes	12.071	106	144045	38.843	ug/l		98
69) o-Xylene	12.400	106	66105	18.841	ug/l		93
70) Styrene	12.412	104	117753	19.814	ug/l		99
71) Bromoform	12.576	173	29825	20.747	ug/l	#	99
73) Isopropylbenzene	12.694	105	173820	18.352	ug/l		99
74) N-amyl acetate	12.494	43	73994	17.252	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58745	20.627	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	74985	29.593	ug/l		58
77) Bromobenzene	12.976	156	44718	19.574	ug/l		95
78) n-propylbenzene	13.035	91	210981	19.226	ug/l		100
79) 2-Chlorotoluene	13.123	91	129620	18.511	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	148466	19.217	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18939	17.919	ug/l		99
82) 4-Chlorotoluene	13.218	91	135329	19.198	ug/l		97
83) tert-Butylbenzene	13.435	119	126785	18.464	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	153677	19.745	ug/l		98
85) sec-Butylbenzene	13.618	105	175585	19.162	ug/l		100
86) p-Isopropyltoluene	13.729	119	145633	19.220	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	82553	19.262	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	83788	19.359	ug/l		98
89) n-Butylbenzene	14.059	91	122012	17.758	ug/l		99
90) Hexachloroethane	14.329	117	27657	17.982	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	78881	18.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10881	18.515	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	38616	18.655	ug/l		99
94) Hexachlorobutadiene	15.506	225	17729	17.175	ug/l		99
95) Naphthalene	15.641	128	115061	16.767	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	37660	18.175	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Quant Time: Oct 22 01:33:47 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

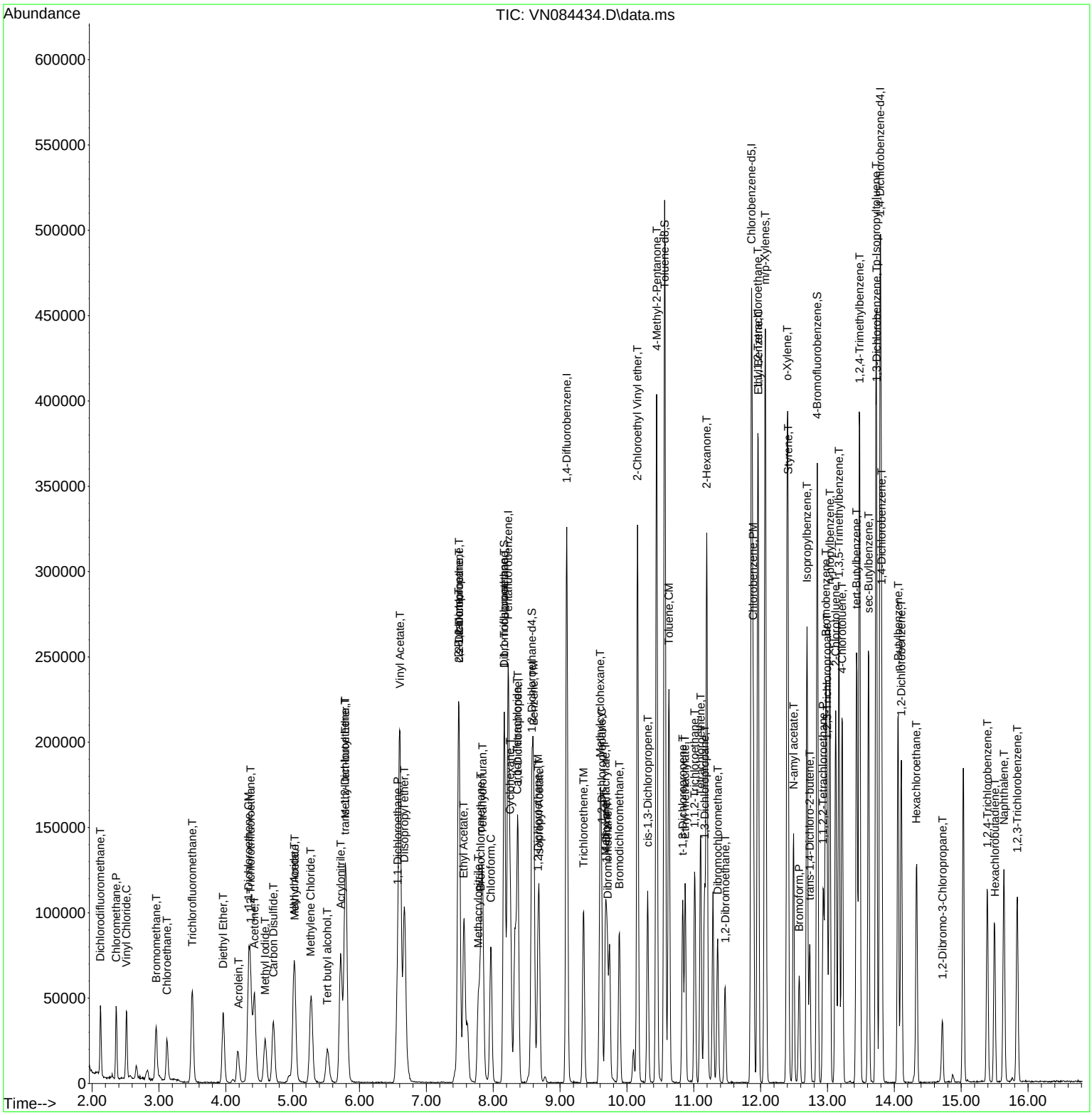
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

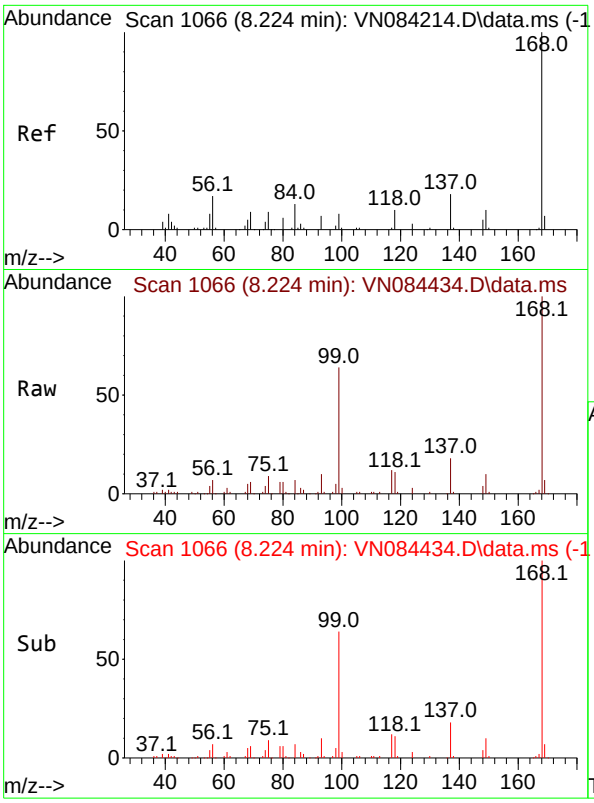
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Quant Time: Oct 22 01:33:47 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



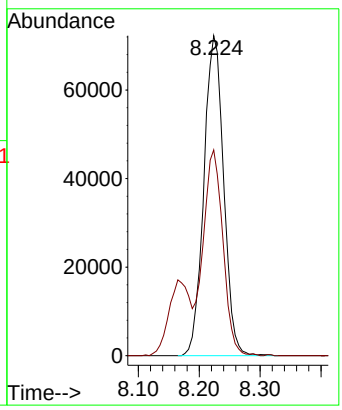


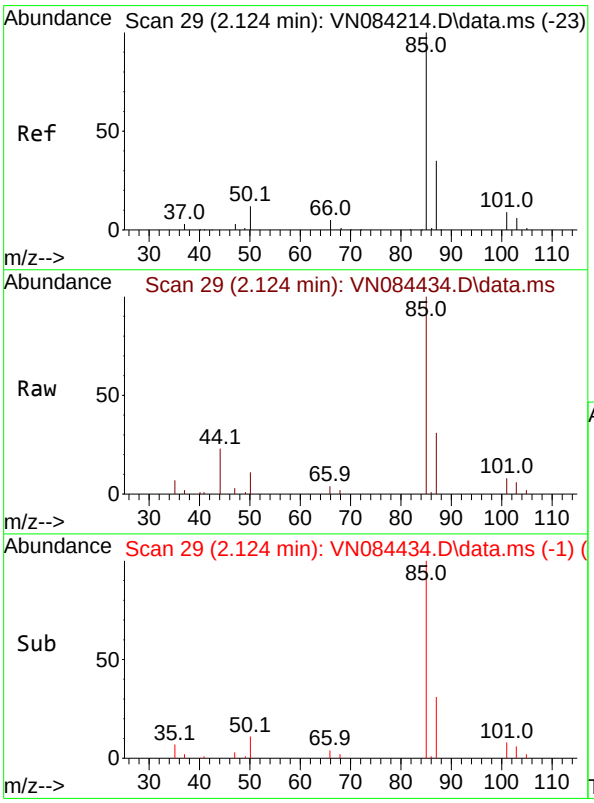
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:168 Resp: 163086

Ion	Ratio	Lower	Upper
168	100		
99	64.3	54.2	81.2

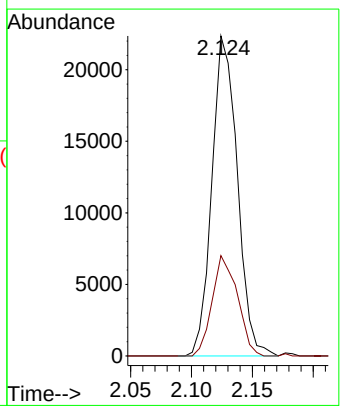


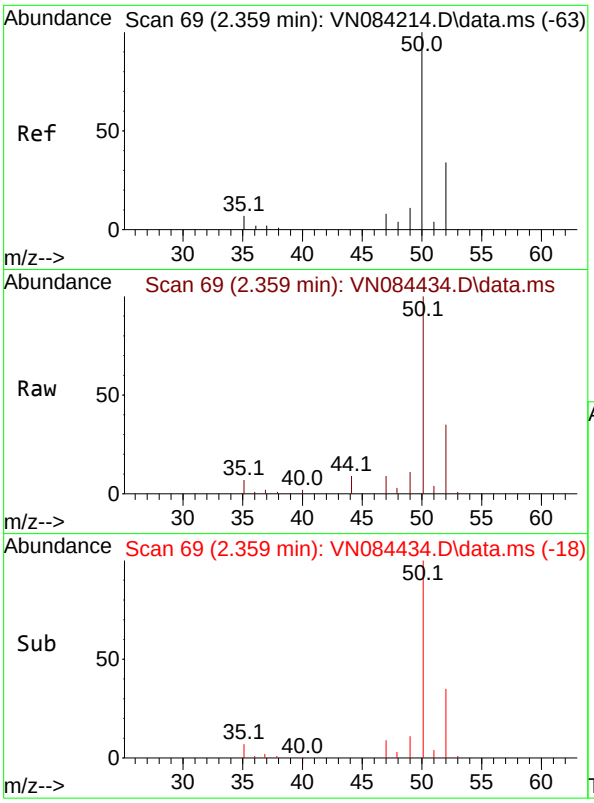


#2
Dichlorodifluoromethane
Concen: 16.833 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 85 Resp: 32472

Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.6	52.9



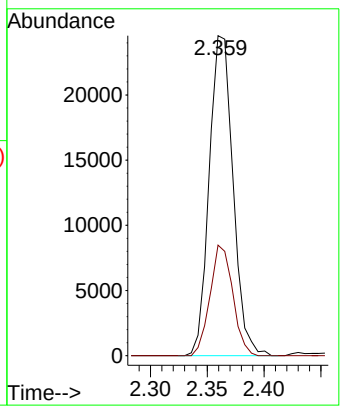


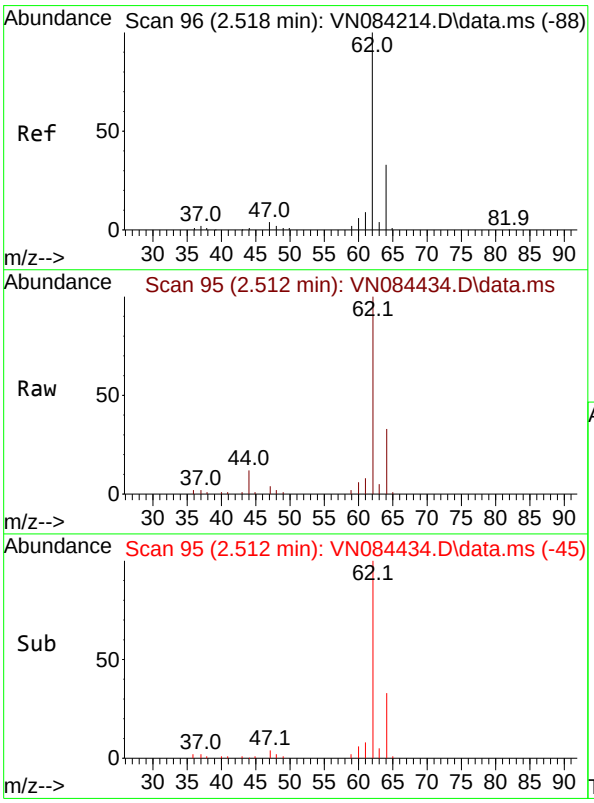
#3
Chloromethane
Concen: 16.255 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 50 Resp: 35804

Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.8	40.2

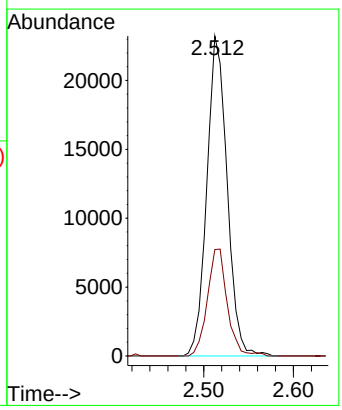


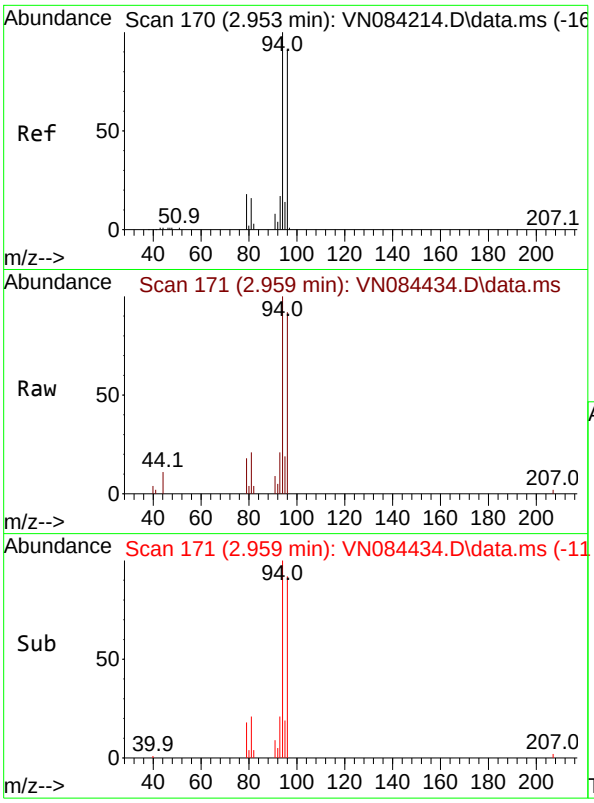


#4
Vinyl Chloride
Concen: 17.080 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 62 Resp: 36441

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.2	39.4



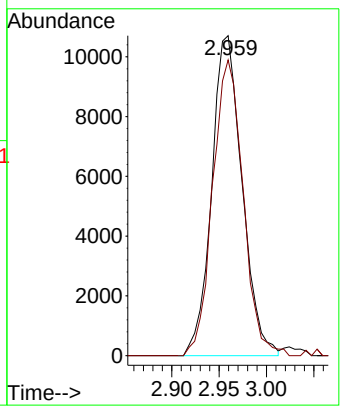


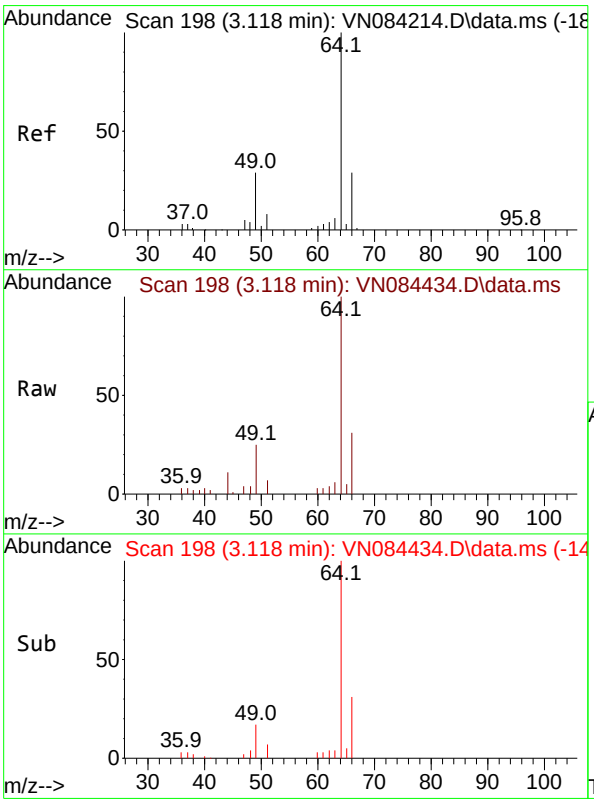
#5
Bromomethane
Concen: 16.992 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 94 Resp: 23913

Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.9	109.3

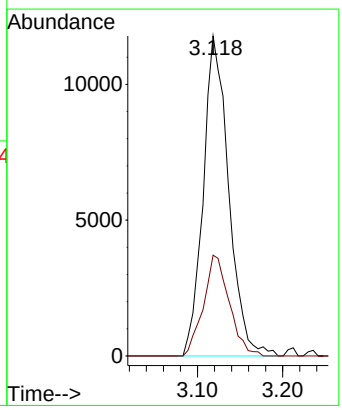


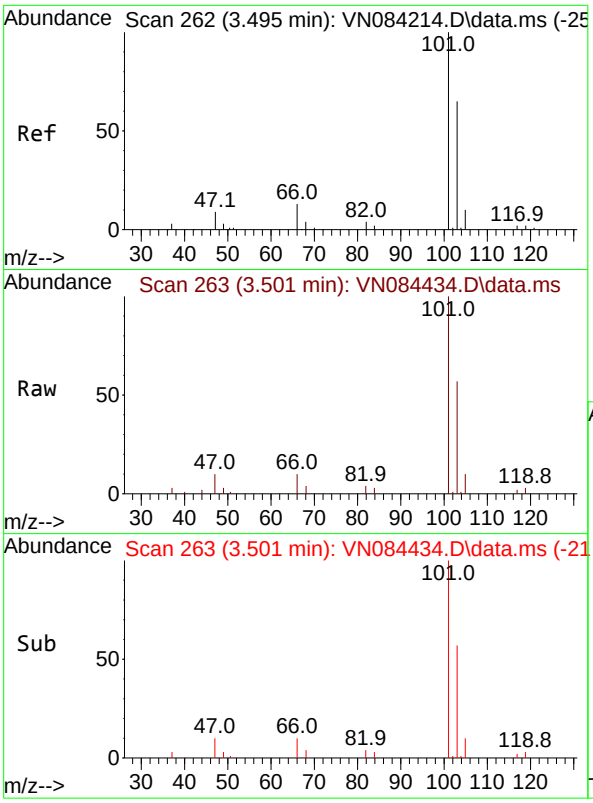


#6
Chloroethane
Concen: 16.017 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 64 Resp: 24475

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3



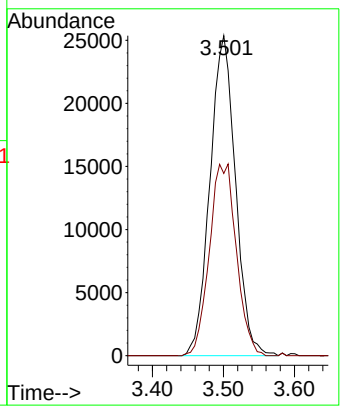


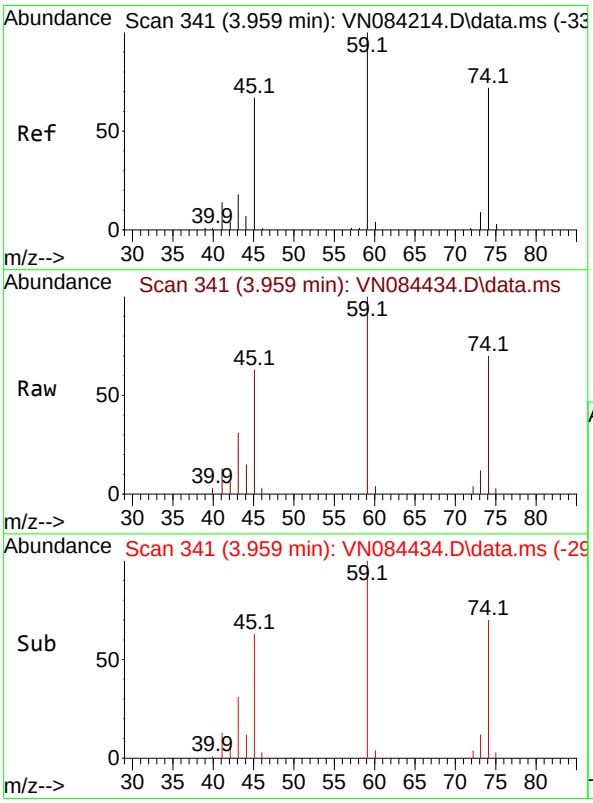
#7
Trichlorofluoromethane
Concen: 19.047 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:101 Resp: 63283

Ion	Ratio	Lower	Upper
101	100		
103	57.0	51.8	77.6

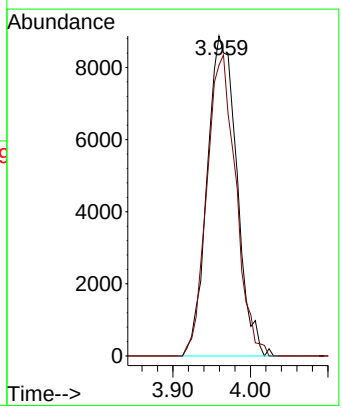


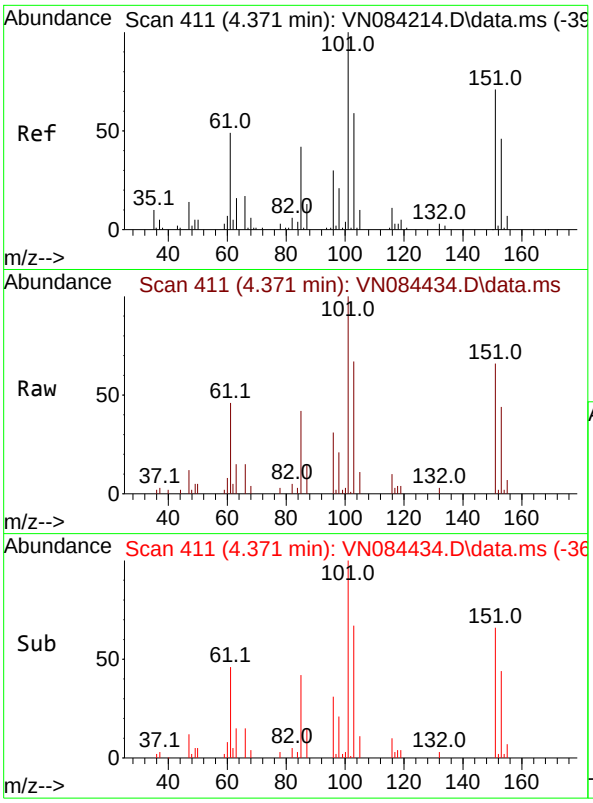


#8
Diethyl Ether
Concen: 19.089 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 74 Resp: 23522

Ion	Ratio	Lower	Upper
74	100		
45	92.1	47.7	143.1



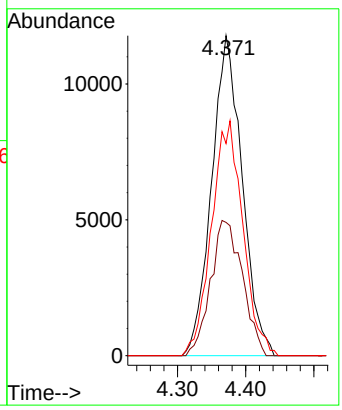


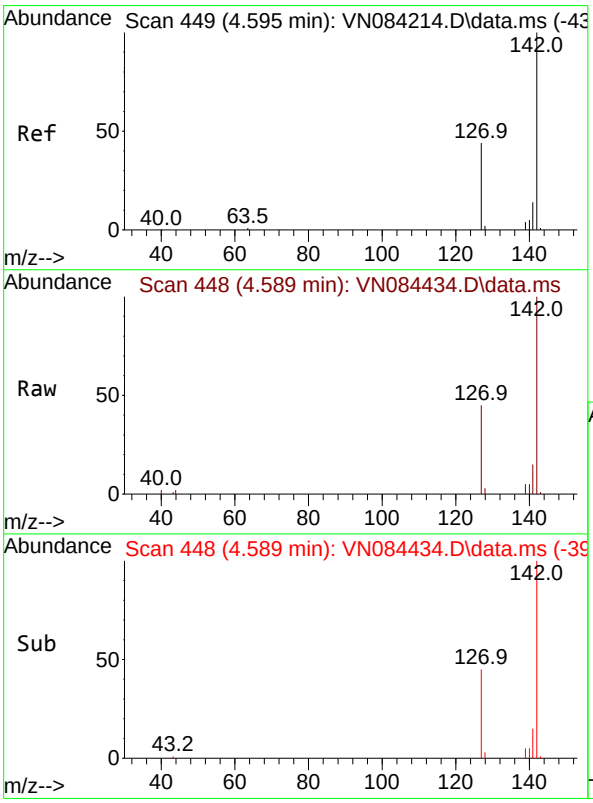
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.273 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:101 Resp: 36689

Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.2	54.4
151	75.4	59.3	88.9

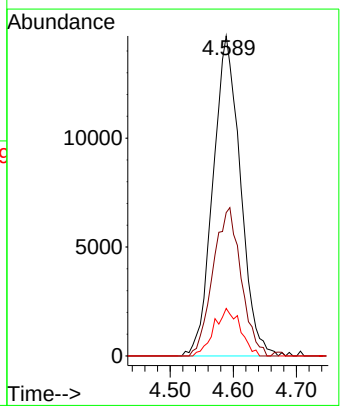


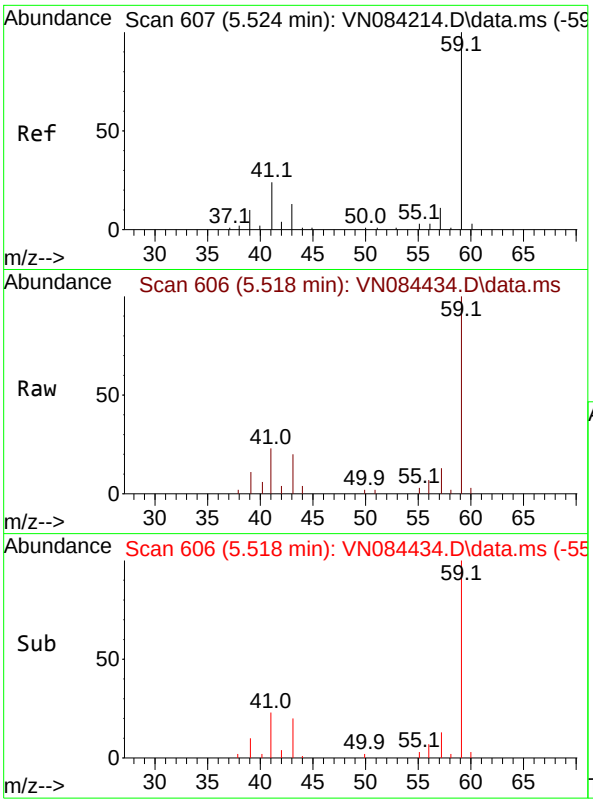


#10
Methyl Iodide
Concen: 18.016 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:142 Resp: 44167

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.3	52.9
141	14.8	11.0	16.6



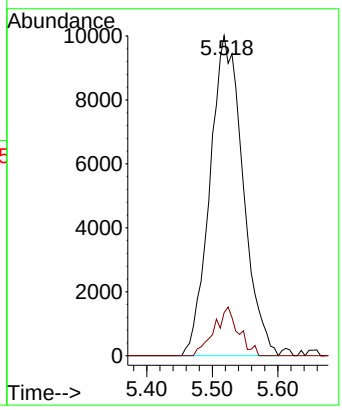


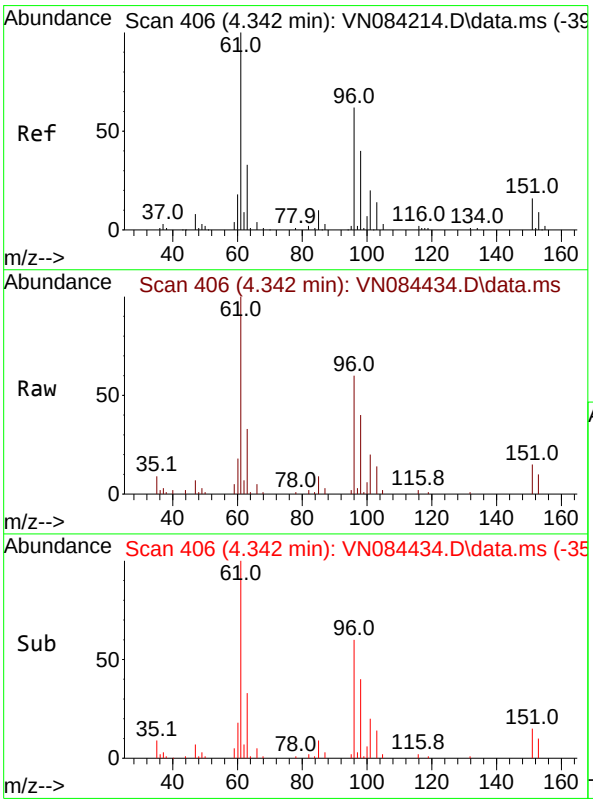
#11
Tert butyl alcohol
Concen: 87.914 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 59 Resp: 35053

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2

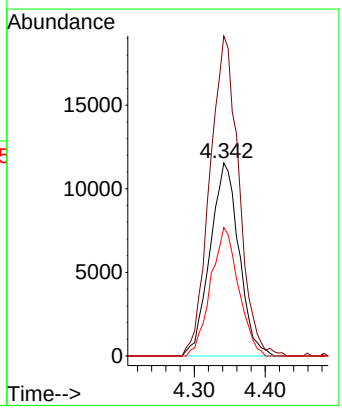


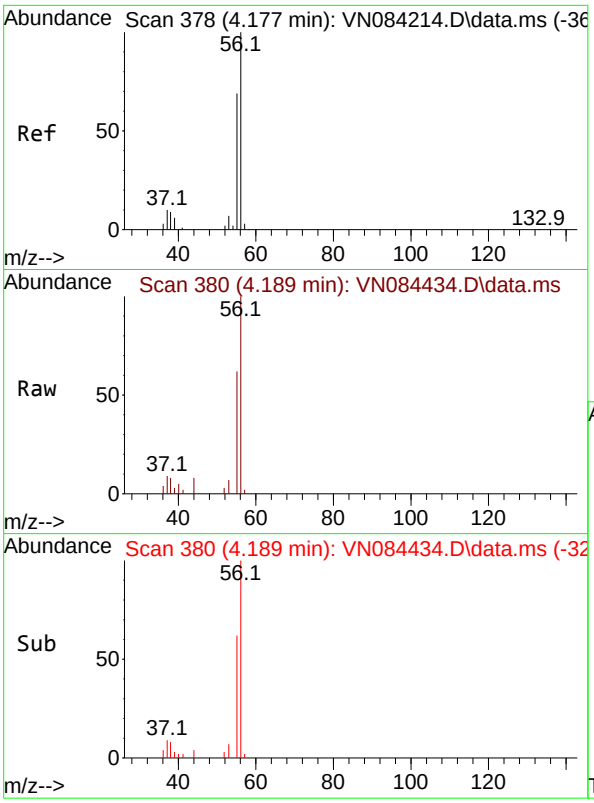


#12
1,1-Dichloroethene
Concen: 17.747 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 96 Resp: 32588

Ion	Ratio	Lower	Upper
96	100		
61	165.9	128.6	192.8
98	66.6	51.7	77.5



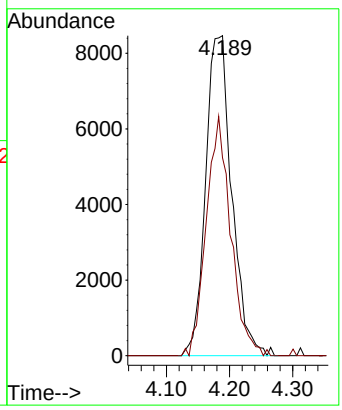


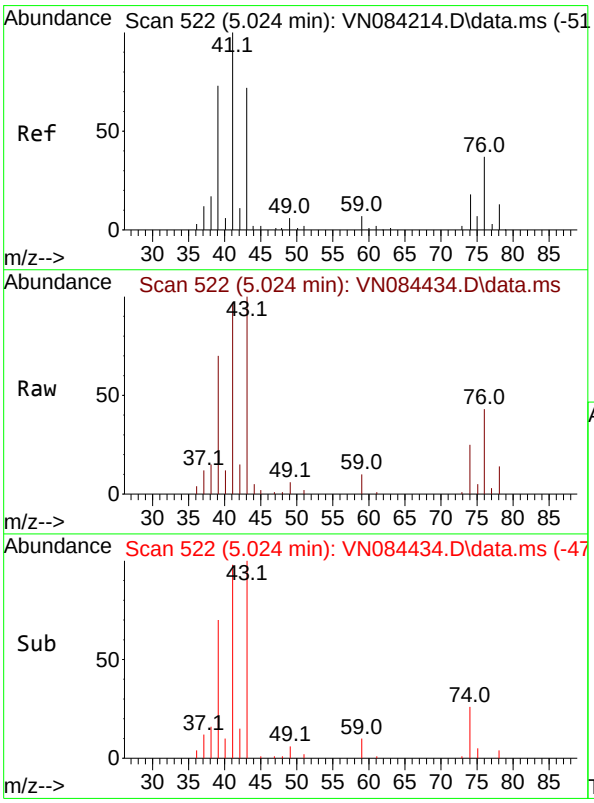
#13
Acrolein
Concen: 53.300 ug/l
RT: 4.189 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 56 Resp: 24397

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.2	85.8

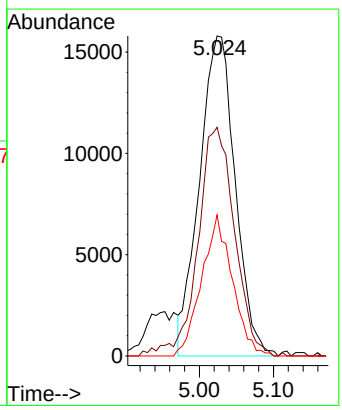


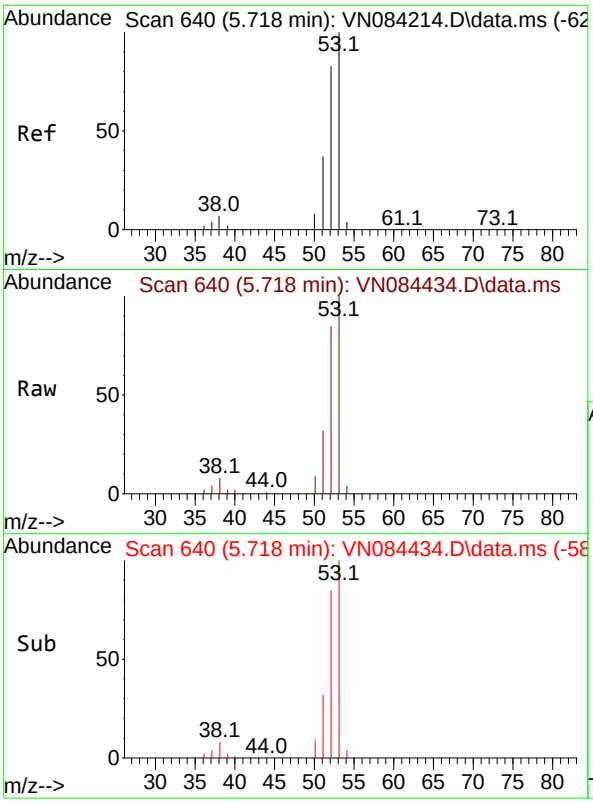


#14
Allyl chloride
Concen: 16.646 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 41 Resp: 53083

Ion	Ratio	Lower	Upper
41	100		
39	73.1	59.0	88.6
76	37.9	29.8	44.6



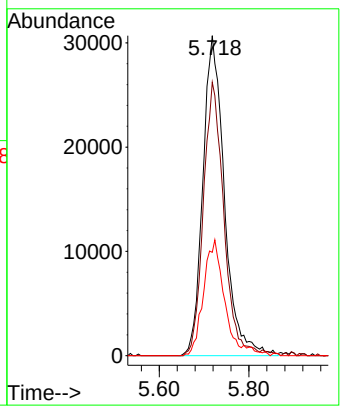


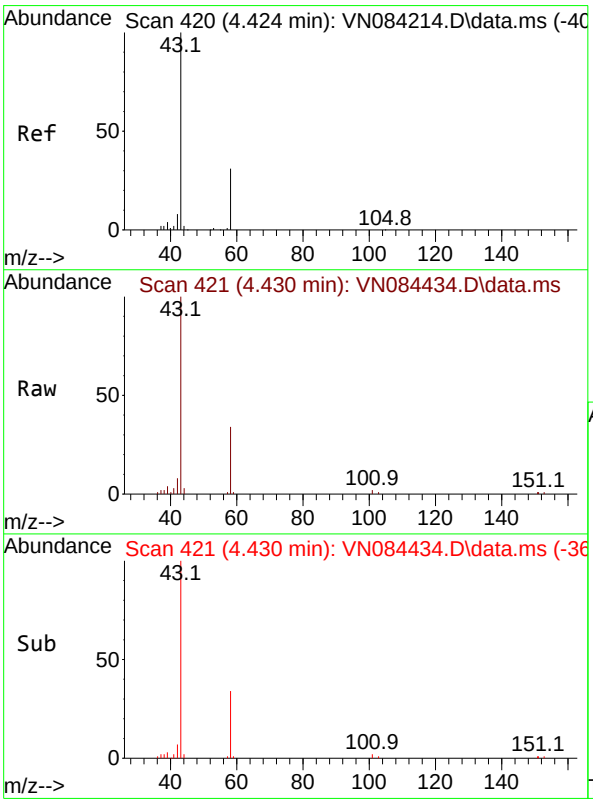
#15
Acrylonitrile
Concen: 101.771 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 53 Resp: 102471

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	34.0	28.8	43.2

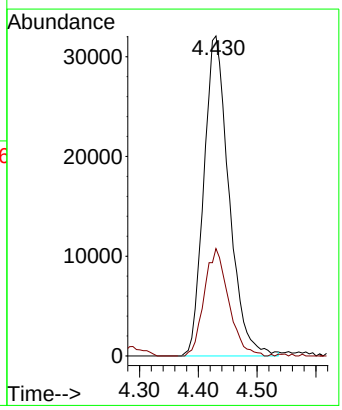


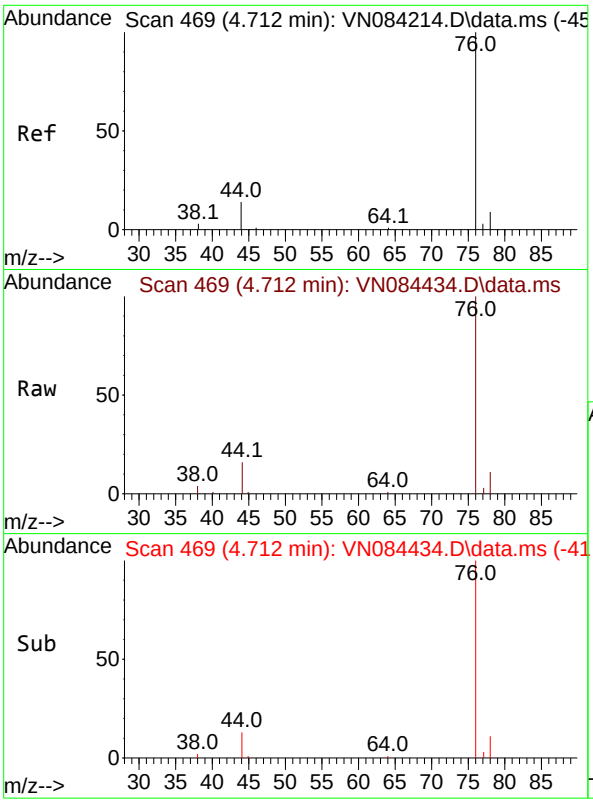


#16
Acetone
Concen: 91.613 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 95163

Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.4	36.6



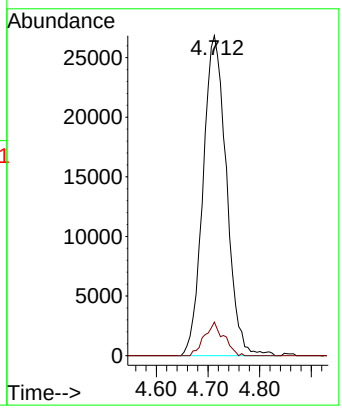


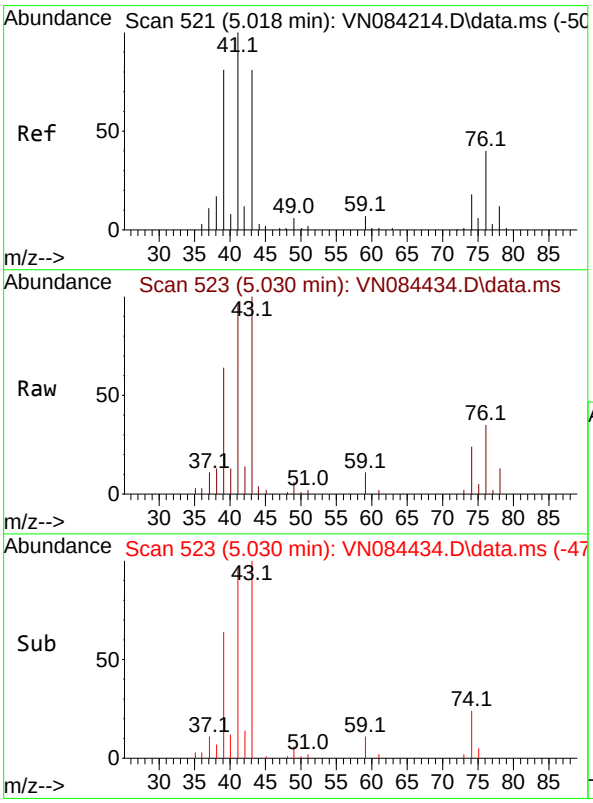
#17
Carbon Disulfide
Concen: 14.496 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 76 Resp: 84276

Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.3	10.9

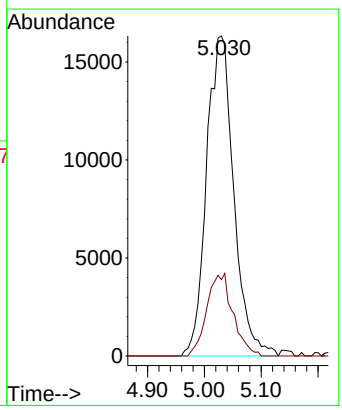


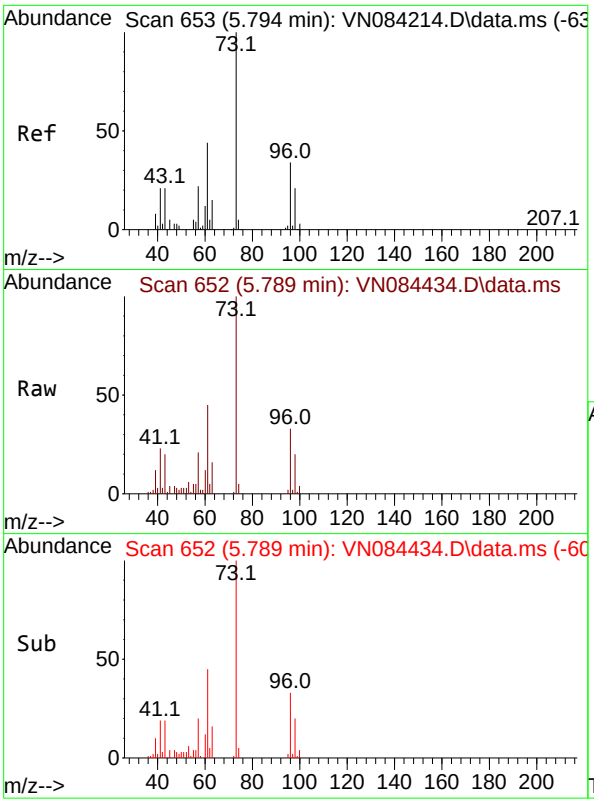


#18
Methyl Acetate
Concen: 24.005 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 54347

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.2	28.8



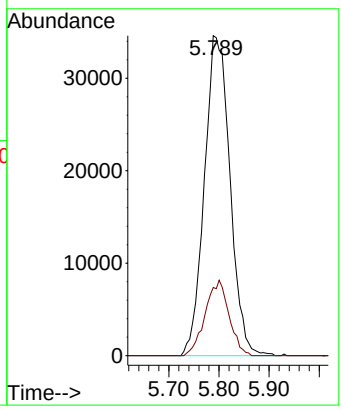


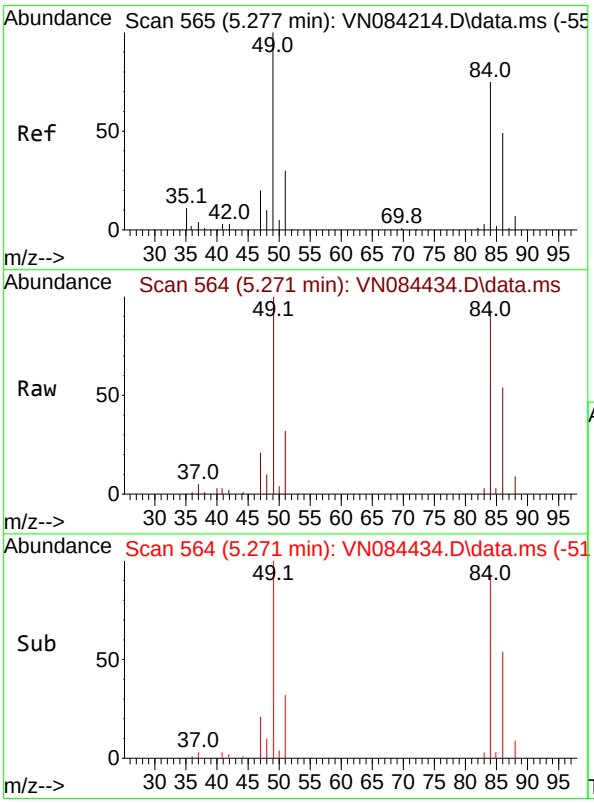
#19
Methyl tert-butyl Ether
Concen: 19.826 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 73 Resp: 122872

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5

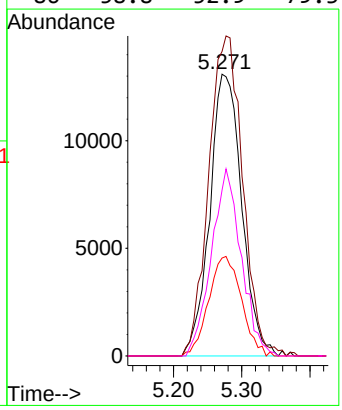


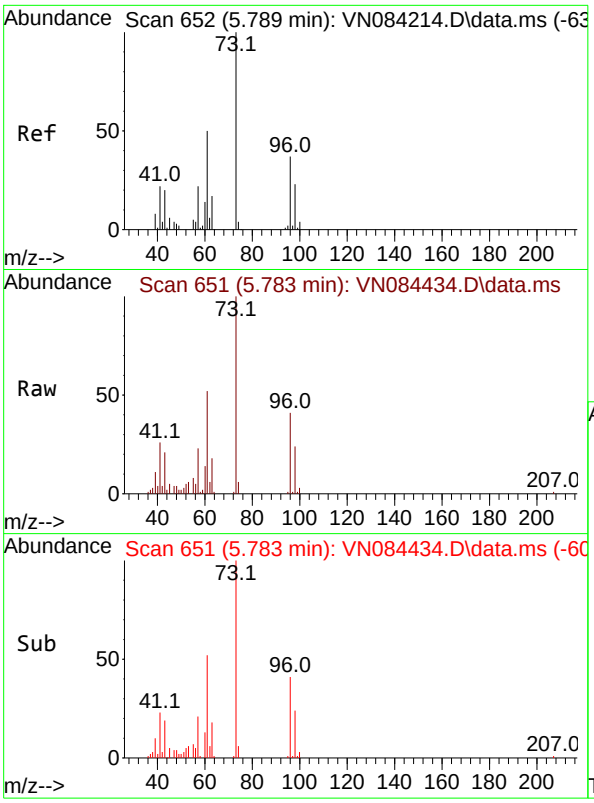


#20
Methylene Chloride
Concen: 20.192 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 84 Resp: 42636

Ion	Ratio	Lower	Upper
84	100		
49	108.1	107.2	160.8
51	34.8	31.8	47.8
86	58.8	52.9	79.3



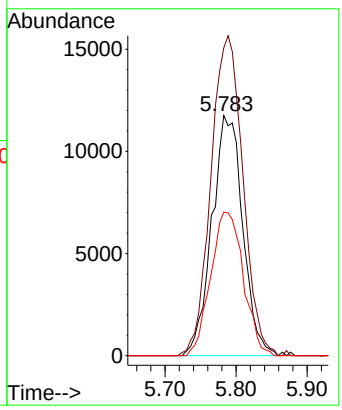


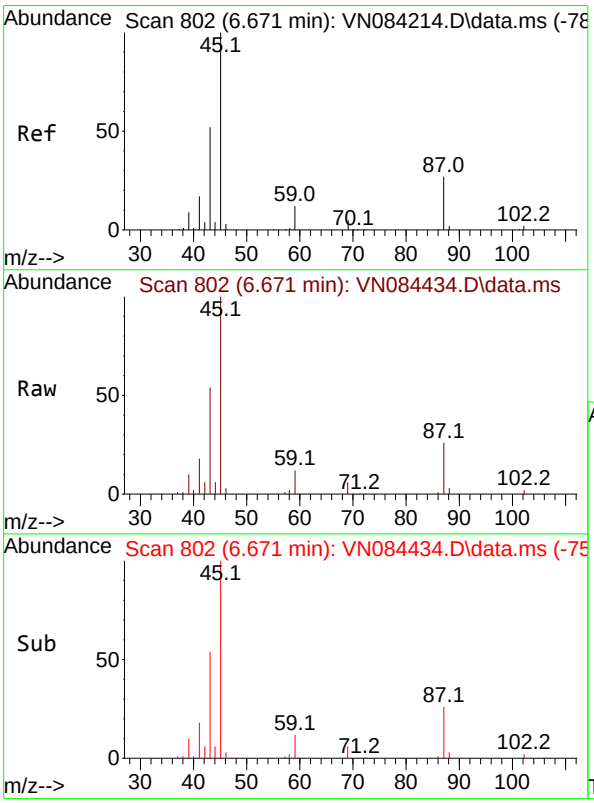
#21
trans-1,2-Dichloroethene
Concen: 18.395 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 96 Resp: 35388

Ion	Ratio	Lower	Upper
96	100		
61	128.1	108.4	162.6
98	59.8	49.8	74.8

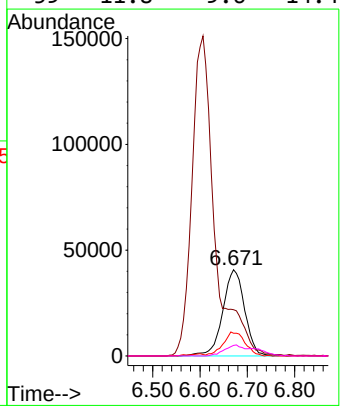


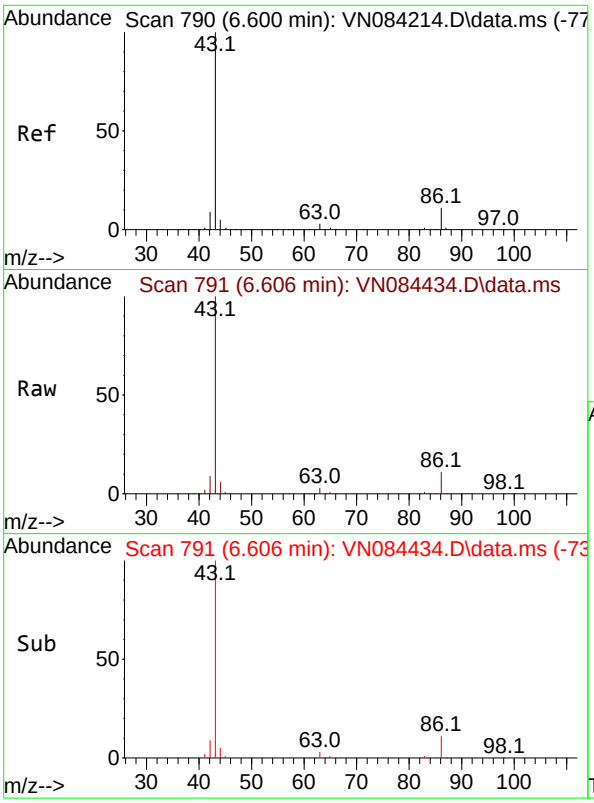


#22
Diisopropyl ether
Concen: 19.859 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 45 Resp: 130999

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.3	63.5
87	26.3	21.8	32.6
59	11.8	9.6	14.4



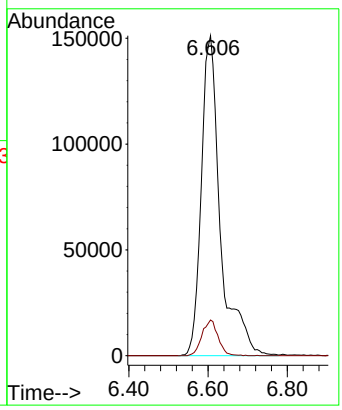


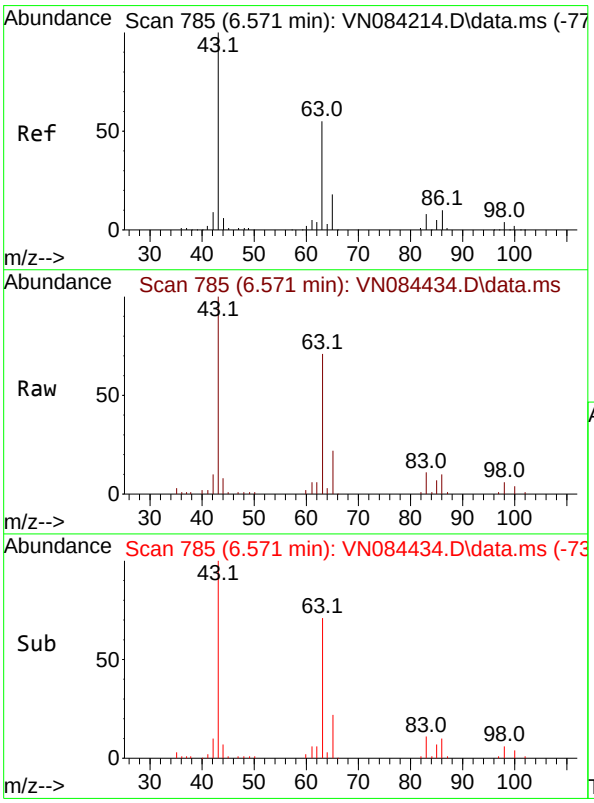
#23
Vinyl Acetate
Concen: 103.215 ug/l
RT: 6.606 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 43 Resp: 504977

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

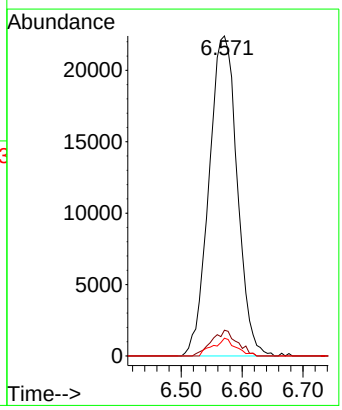


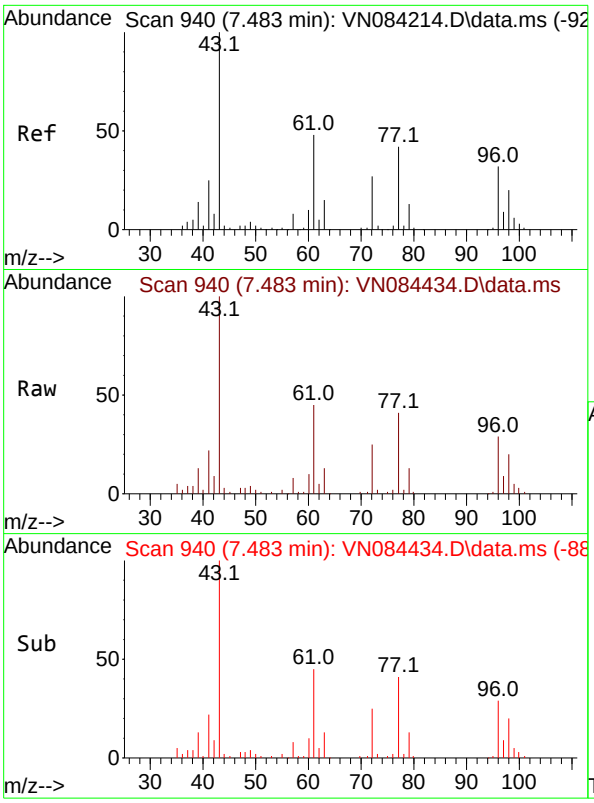


#24
1,1-Dichloroethane
Concen: 19.553 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 63 Resp: 72128

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.4	10.2
100	5.5	2.0	5.8



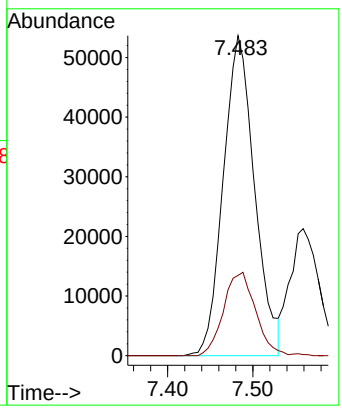


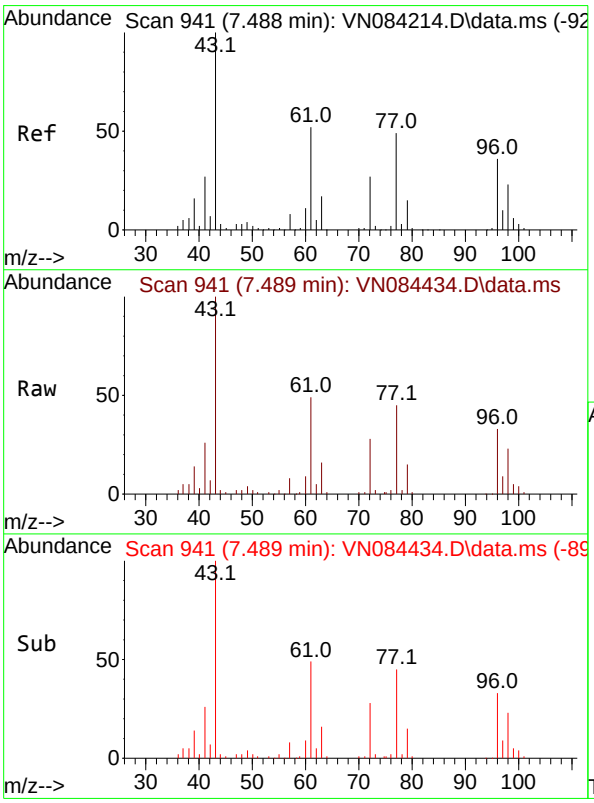
#25
2-Butanone
Concen: 96.795 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 43 Resp: 136944

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

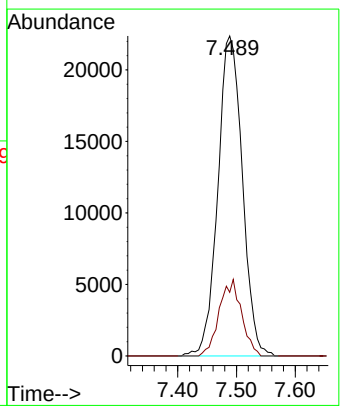


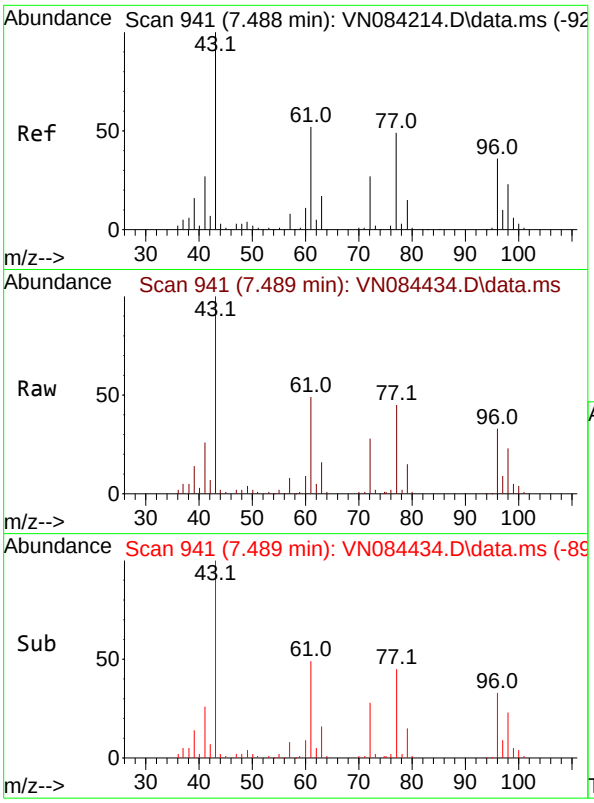


#26
2,2-Dichloropropane
Concen: 19.469 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 77 Resp: 64755

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



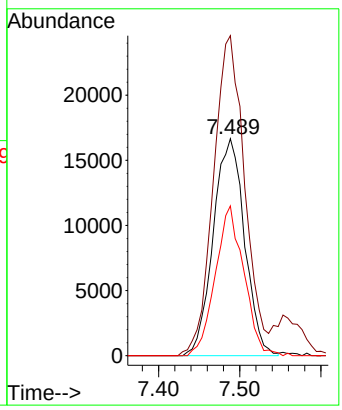


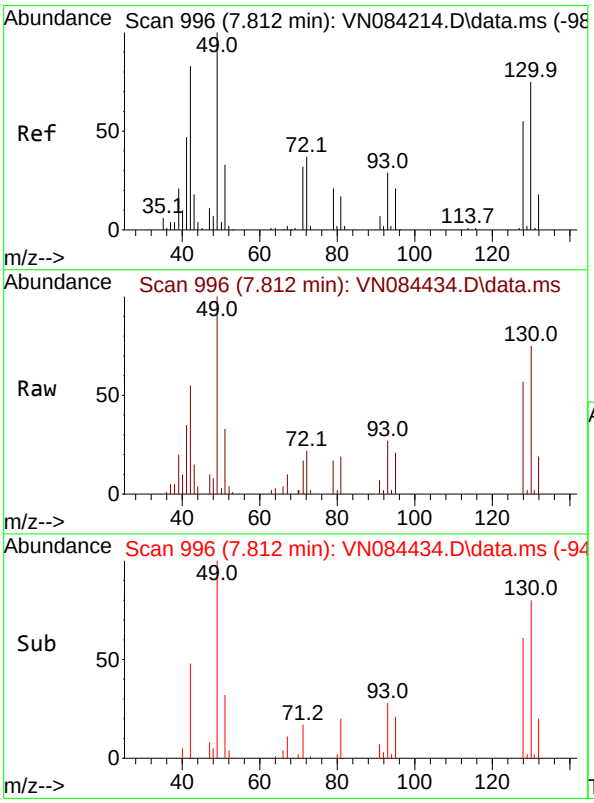
#27
cis-1,2-Dichloroethene
Concen: 19.222 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 96 Resp: 44686

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	301.8
98	62.9	0.0	128.2

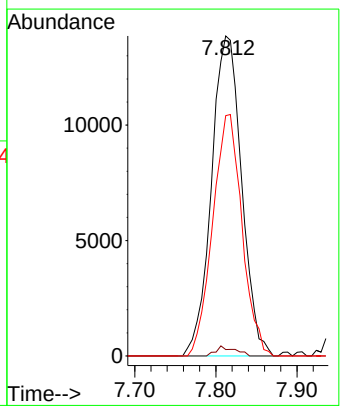


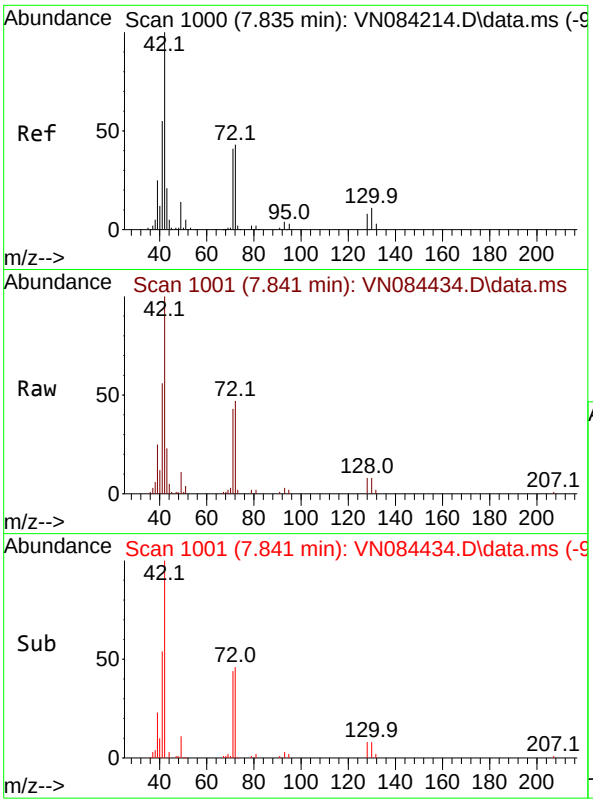


#28
Bromochloromethane
Concen: 21.744 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 49 Resp: 35788

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	73.3	58.0	87.0



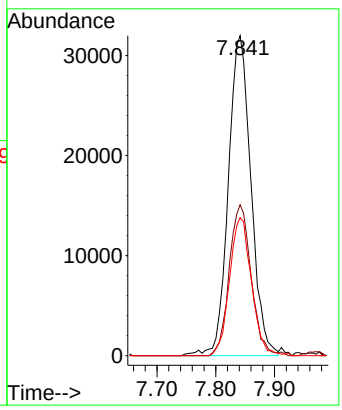


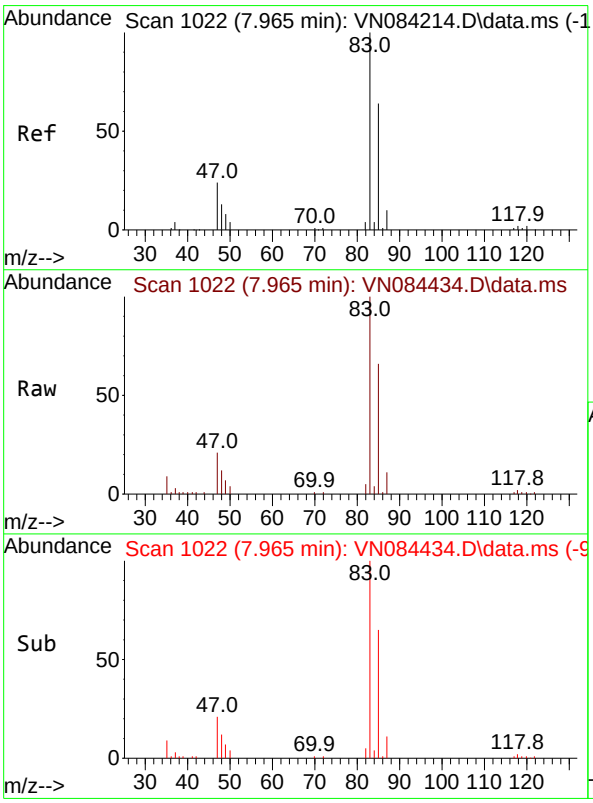
#29
Tetrahydrofuran
Concen: 98.113 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 42 Resp: 85661

Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.6	51.8
71	41.7	32.2	48.4

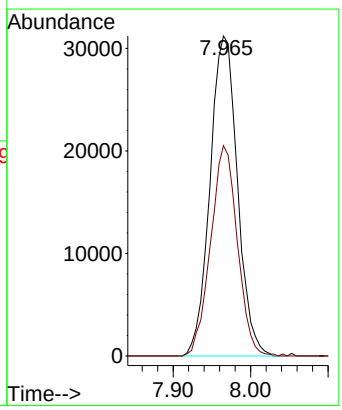


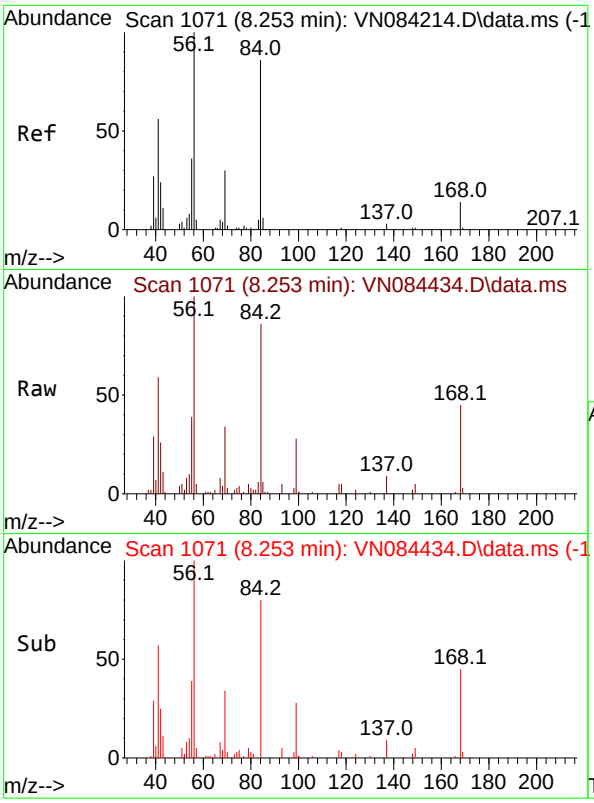


#30
Chloroform
Concen: 20.055 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 83 Resp: 76845

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.4



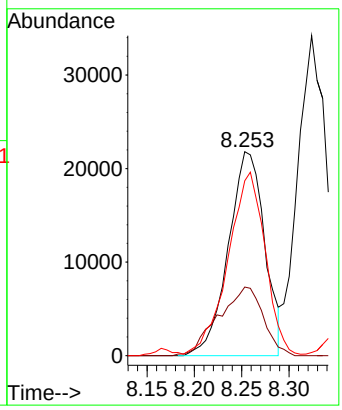


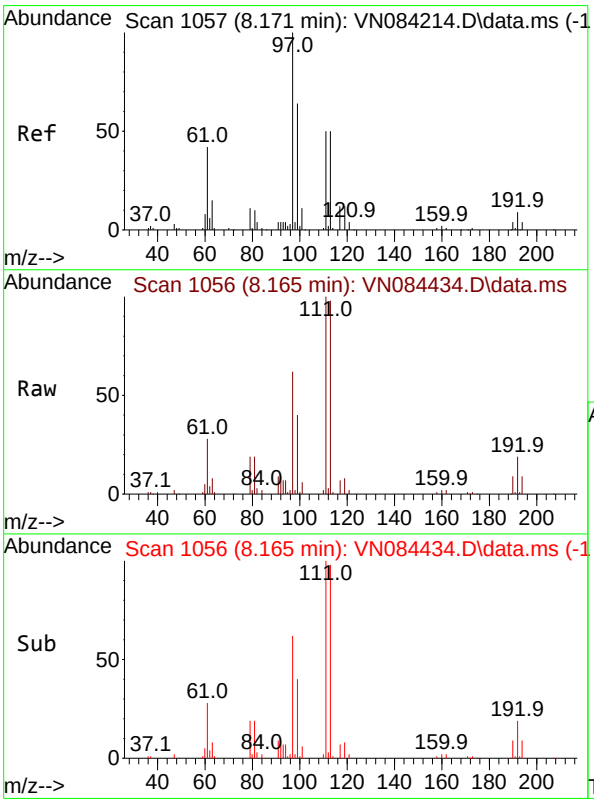
#31
Cyclohexane
Concen: 16.223 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 56 Resp: 58106

Ion	Ratio	Lower	Upper
56	100		
69	32.9	23.8	35.6
84	84.1	68.8	103.2

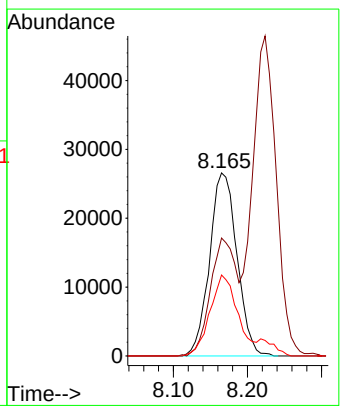


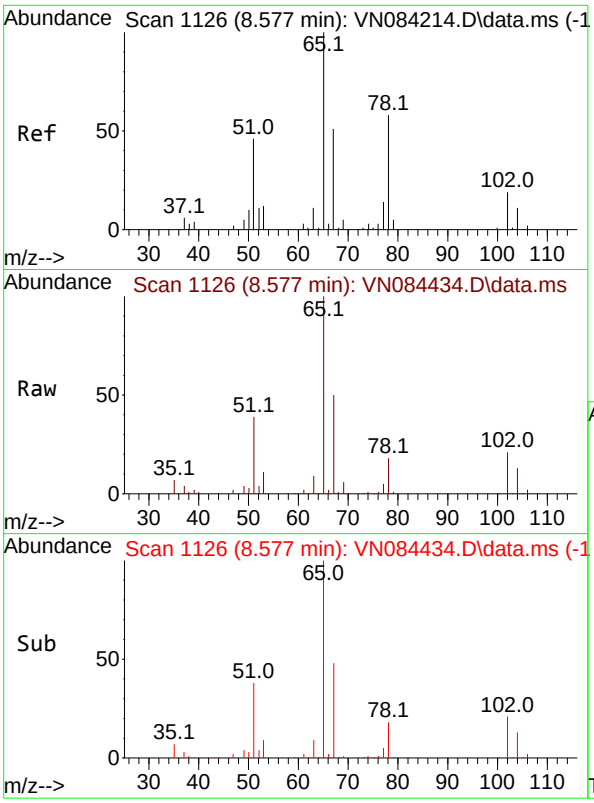


#32
1,1,1-Trichloroethane
Concen: 19.832 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 97 Resp: 68247

Ion	Ratio	Lower	Upper
97	100		
99	60.2	51.2	76.8
61	45.1	37.5	56.3



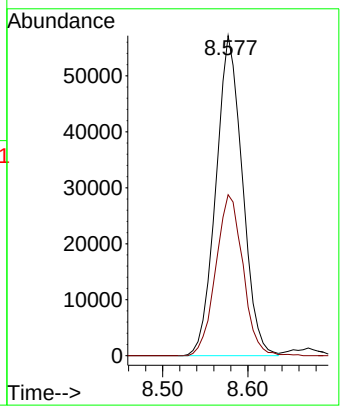


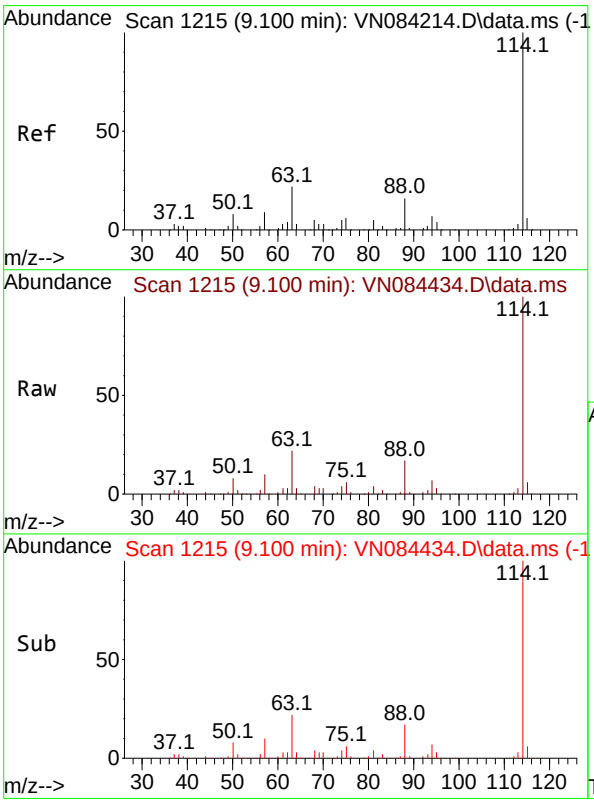
#33
1,2-Dichloroethane-d4
Concen: 51.056 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 65 Resp: 123457

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

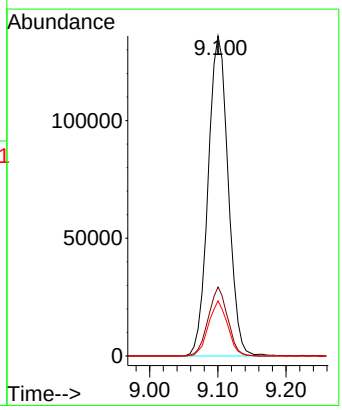


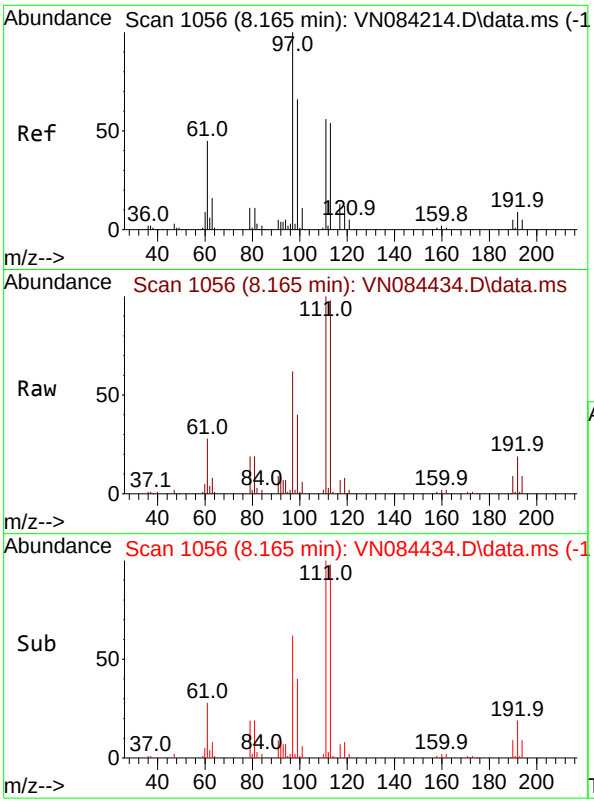


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:114 Resp: 278516

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	17.2	0.0	31.6



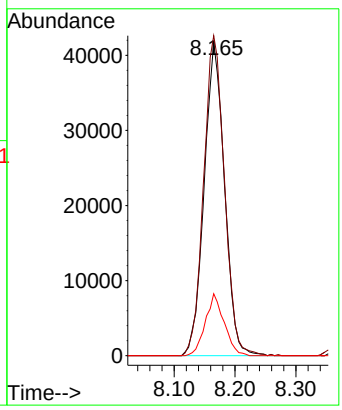


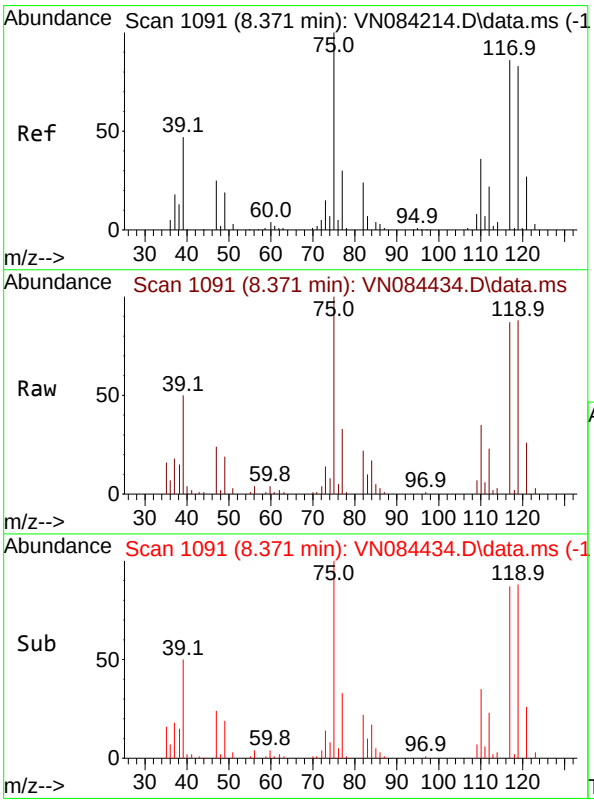
#35
Dibromofluoromethane
Concen: 52.829 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:113 Resp: 97003

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.2	13.5	20.3

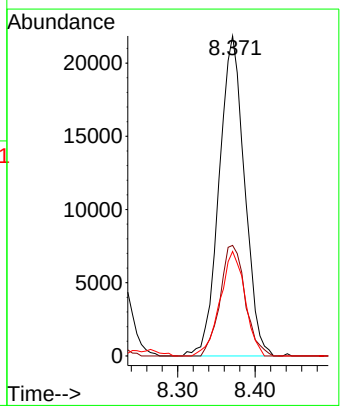


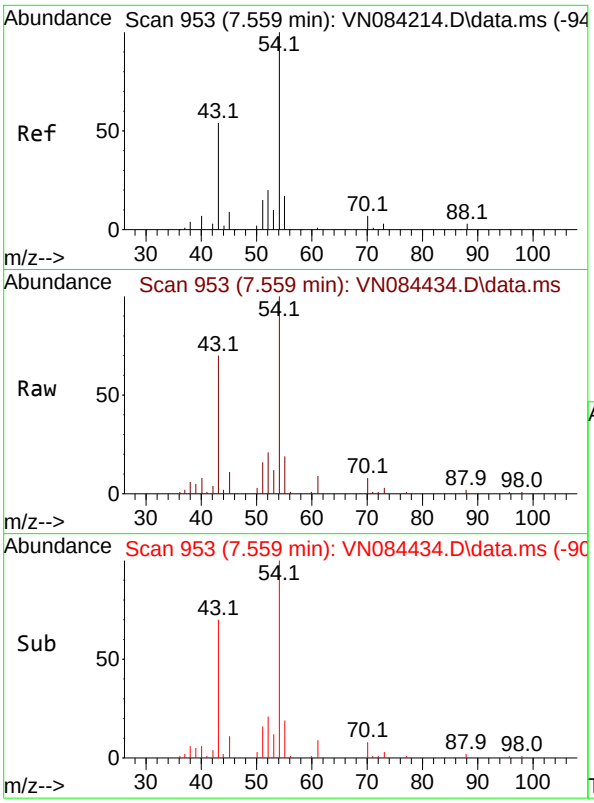


#36
1,1-Dichloropropene
Concen: 18.689 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 49846

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	32.0	24.7	37.1



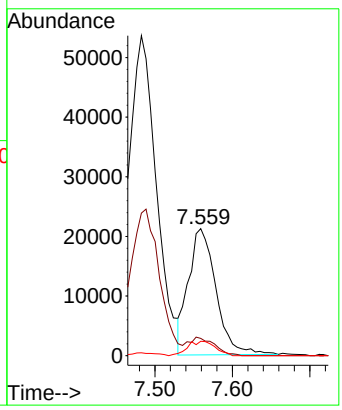


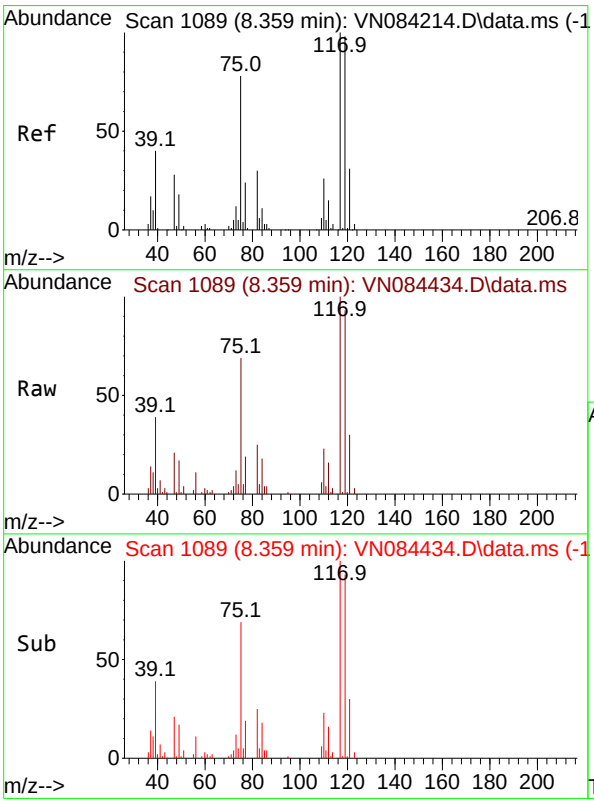
#37
Ethyl Acetate
Concen: 19.160 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 43 Resp: 52425

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	11.4	8.8	13.2

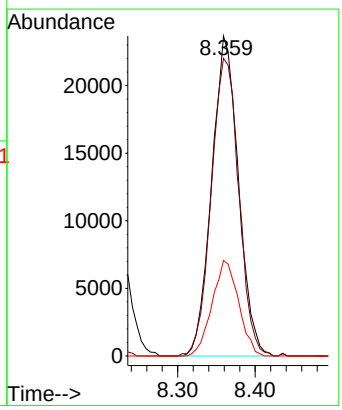


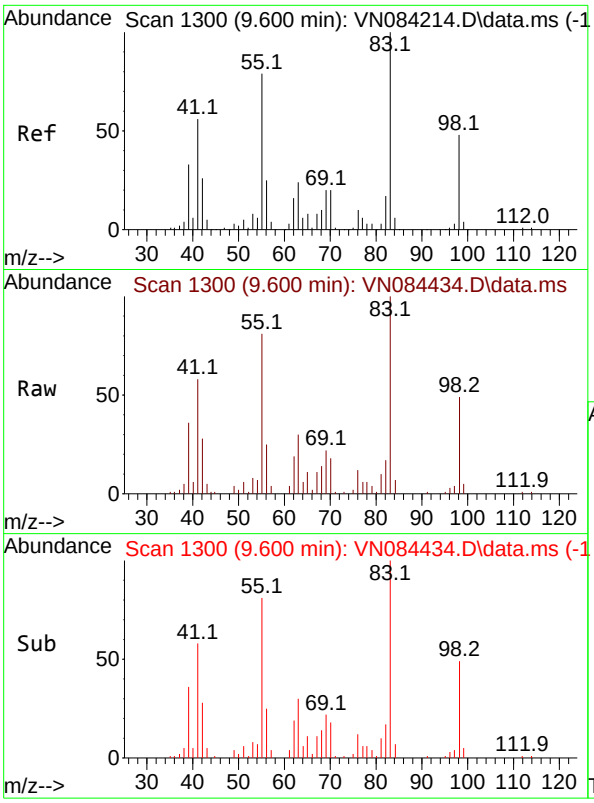


#38
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:117 Resp: 56628

Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.7	118.1
121	29.8	24.4	36.6



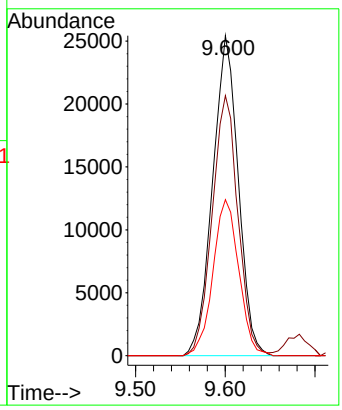


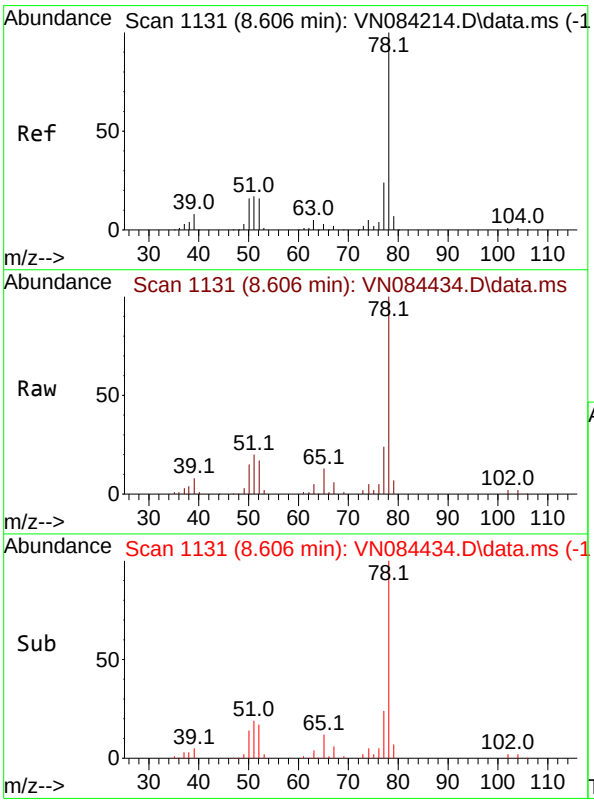
#39
Methylcyclohexane
Concen: 17.009 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 83 Resp: 50490

Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.8	94.2
98	48.7	38.8	58.2

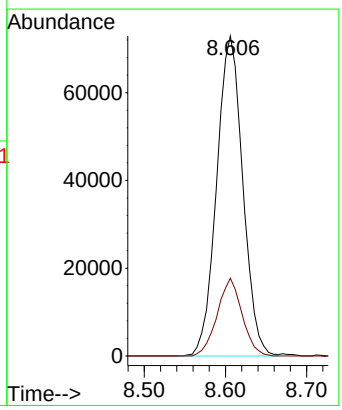


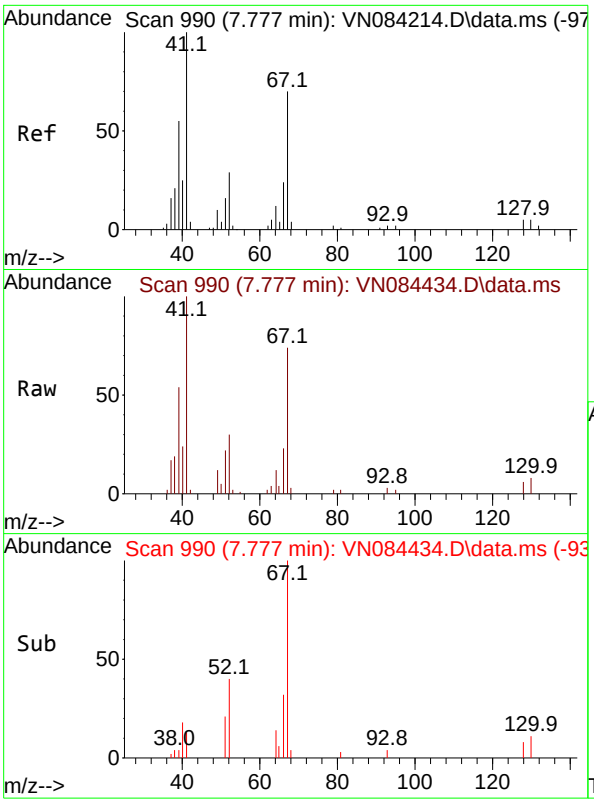


#40
Benzene
Concen: 19.612 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 78 Resp: 162968

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7



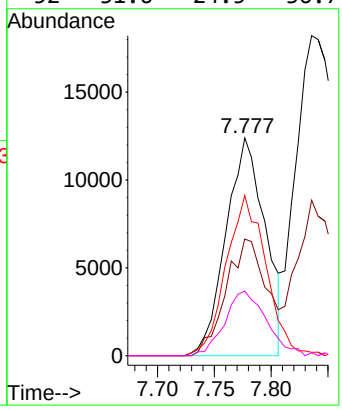


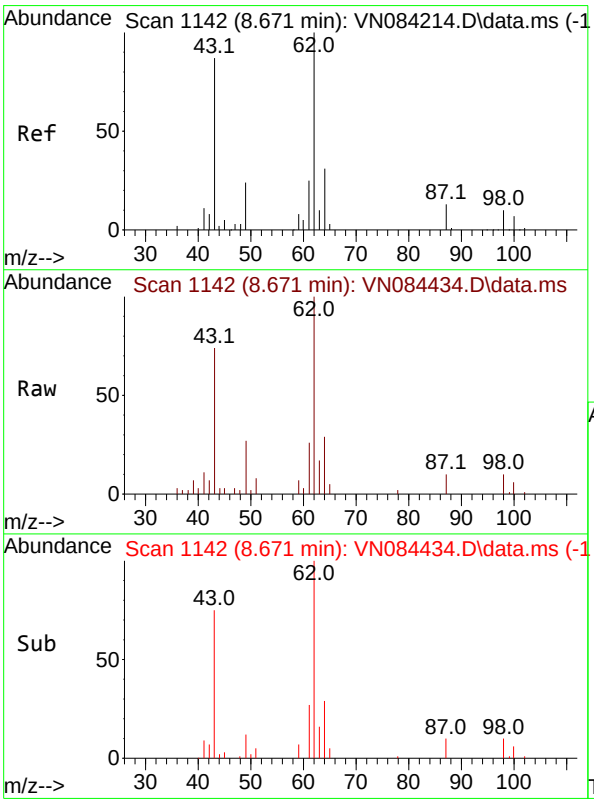
#41
Methacrylonitrile
Concen: 20.079 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 41 Resp: 29826

Ion	Ratio	Lower	Upper
41	100		
39	55.1	43.3	64.9
67	74.8	56.1	84.1
52	31.6	24.5	36.7

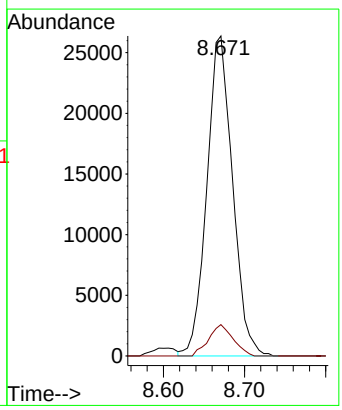


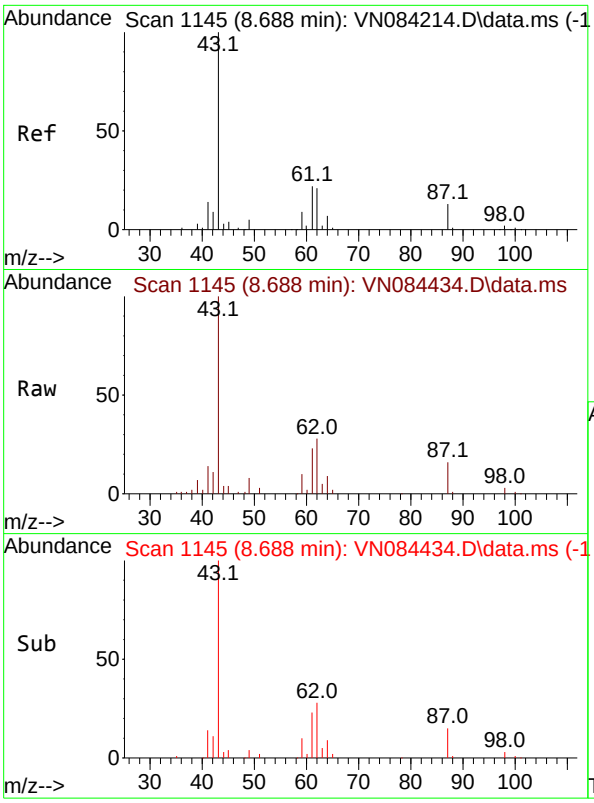


#42
1,2-Dichloroethane
Concen: 20.598 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 62 Resp: 58026

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



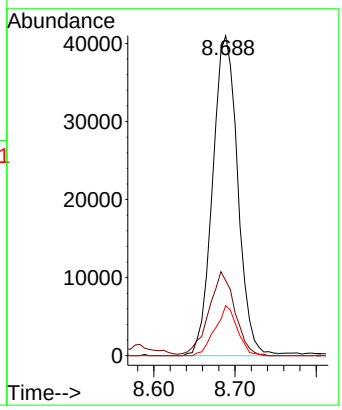


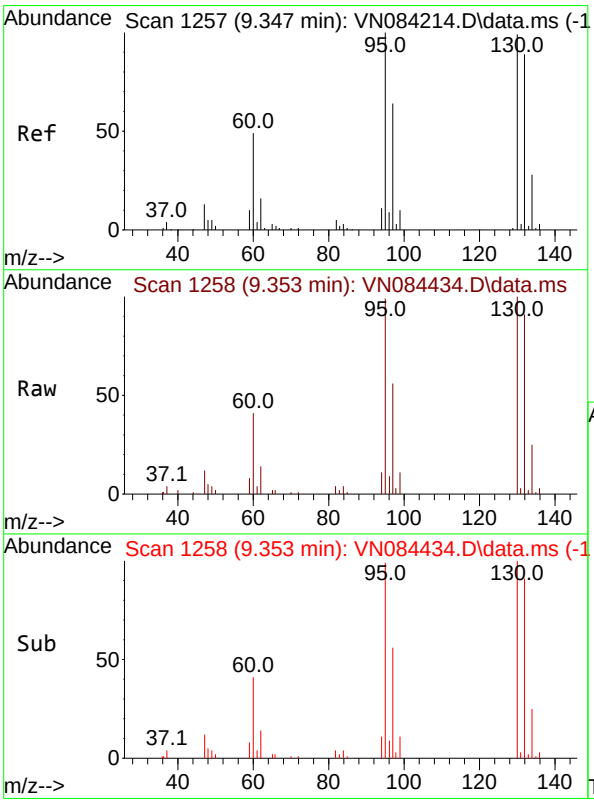
#43
Isopropyl Acetate
Concen: 16.429 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 43 Resp: 88049

Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.4	30.6
87	13.9	10.3	15.5

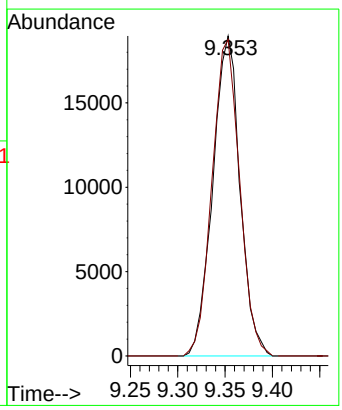


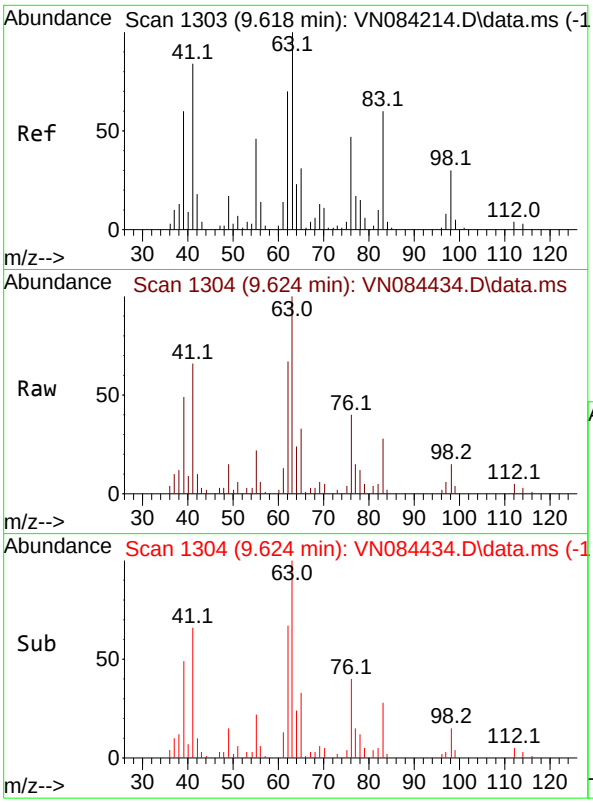


#44
Trichloroethene
Concen: 19.541 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:130 Resp: 37926

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0



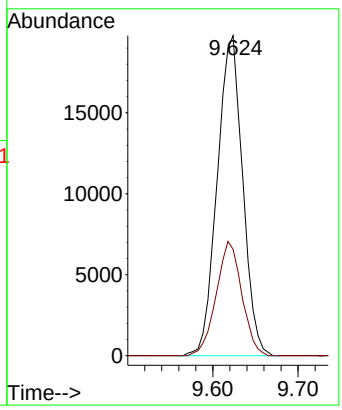


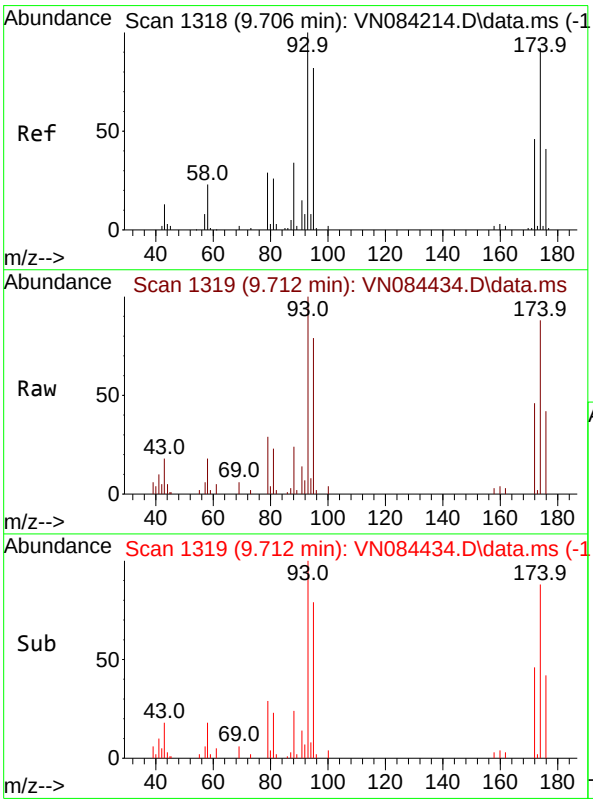
#45
1,2-Dichloropropane
Concen: 20.882 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 63 Resp: 41049

Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.6	37.0

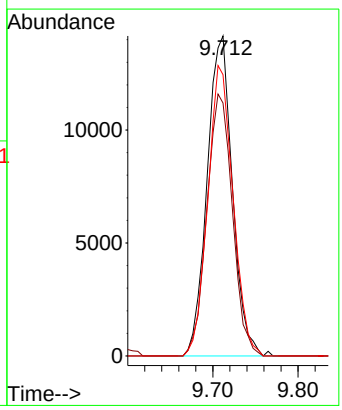


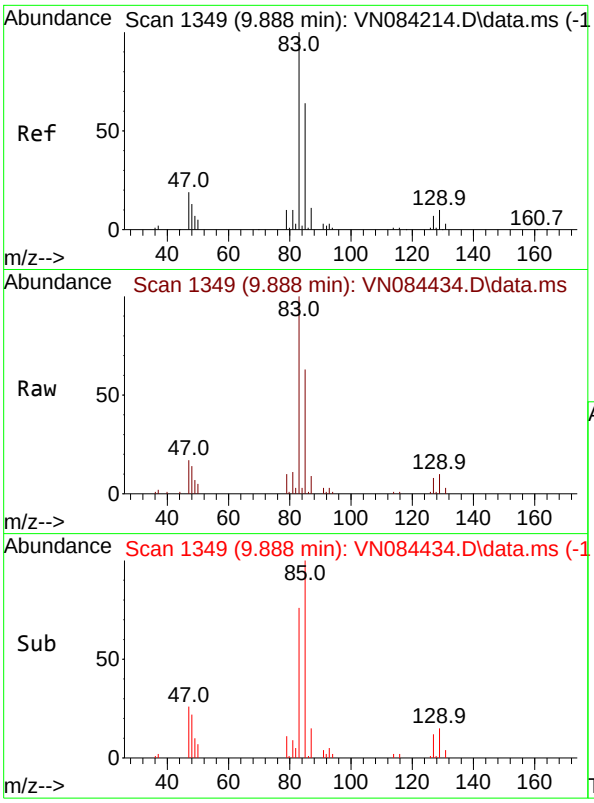


#46
Dibromomethane
Concen: 22.002 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 93 Resp: 29187

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.0	97.4
174	90.6	71.8	107.8



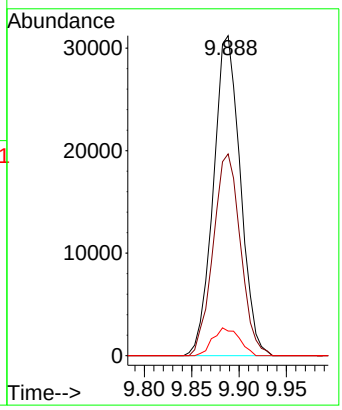


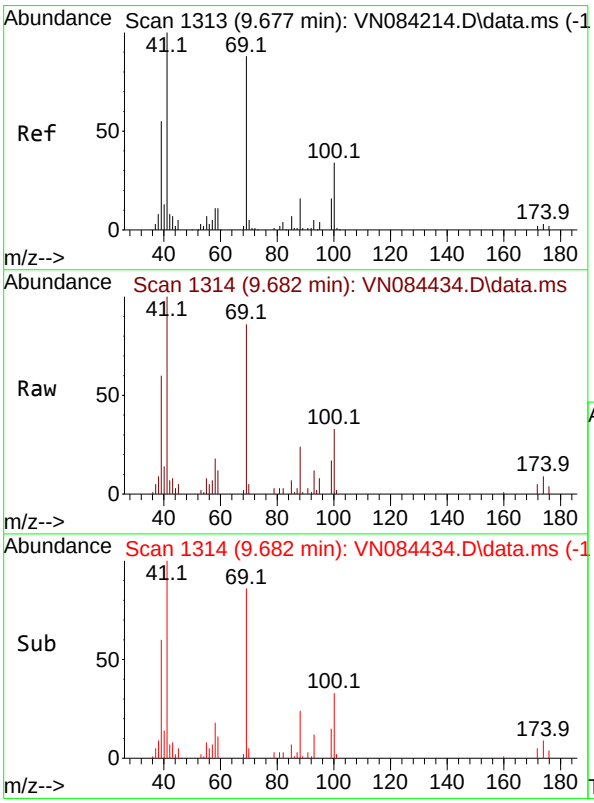
#47
Bromodichloromethane
Concen: 20.940 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 83 Resp: 61715

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3
127	7.7	5.7	8.5

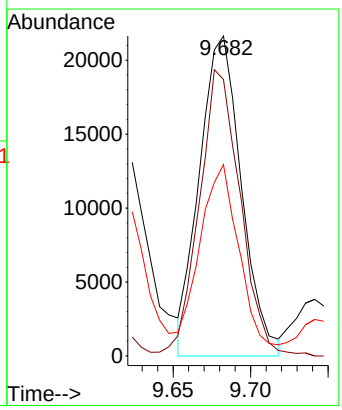


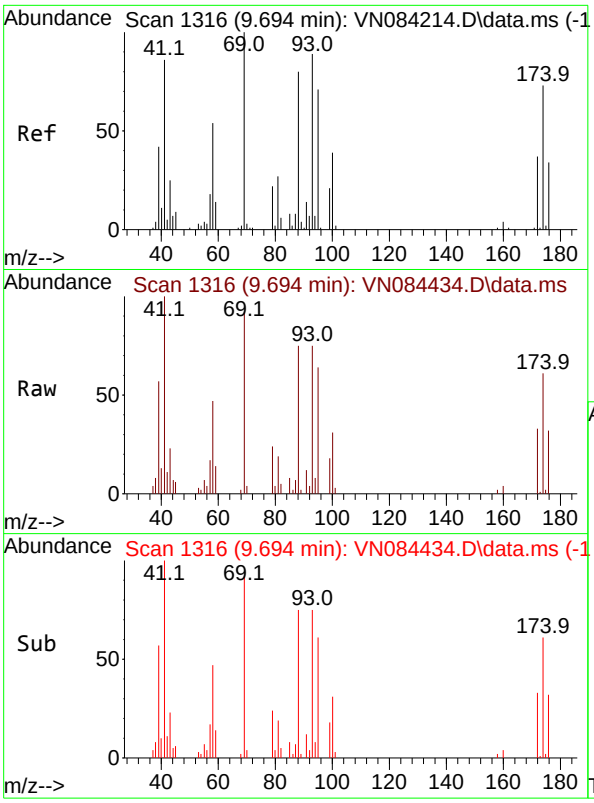


#48
Methyl methacrylate
Concen: 19.075 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 41 Resp: 40695

Ion	Ratio	Lower	Upper
41	100		
69	87.8	67.1	100.7
39	58.5	45.8	68.6



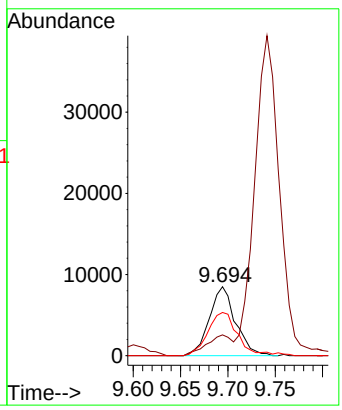


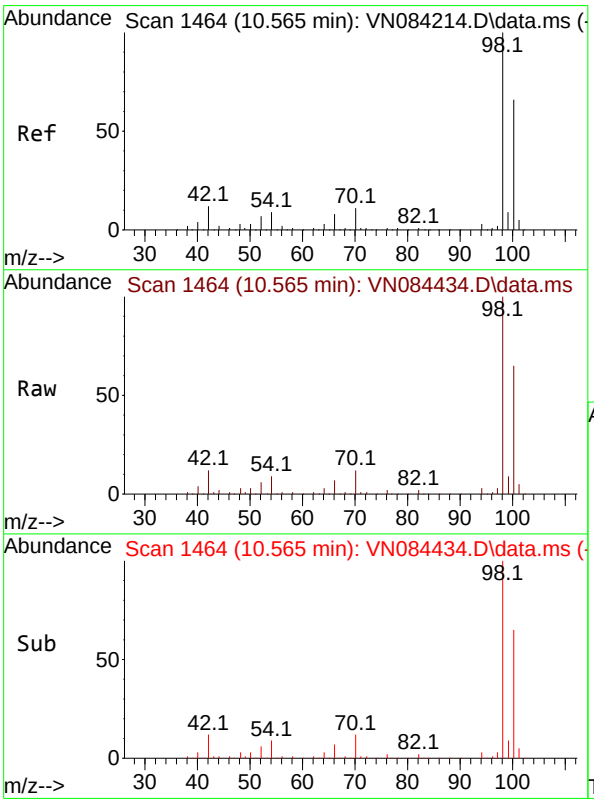
#49
1,4-Dioxane
Concen: 415.845 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 88 Resp: 16333

Ion	Ratio	Lower	Upper
88	100		
43	29.5	25.3	37.9
58	72.1	56.4	84.6

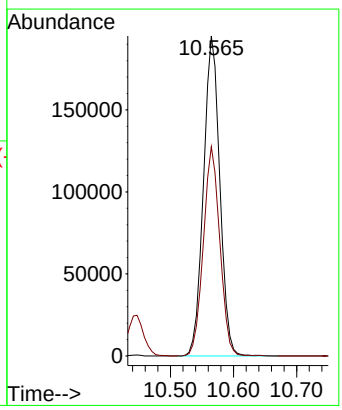


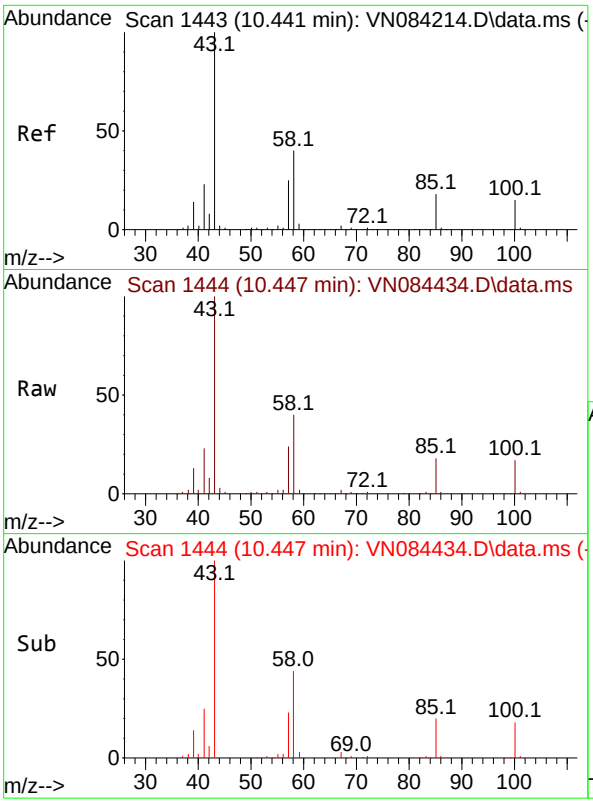


#50
Toluene-d8
Concen: 51.812 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 98 Resp: 350013

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



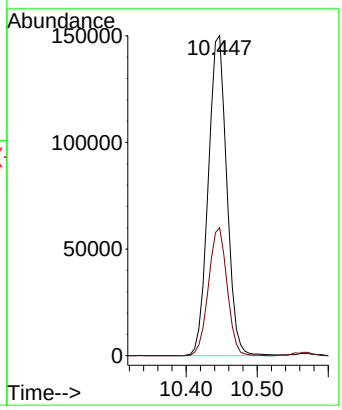


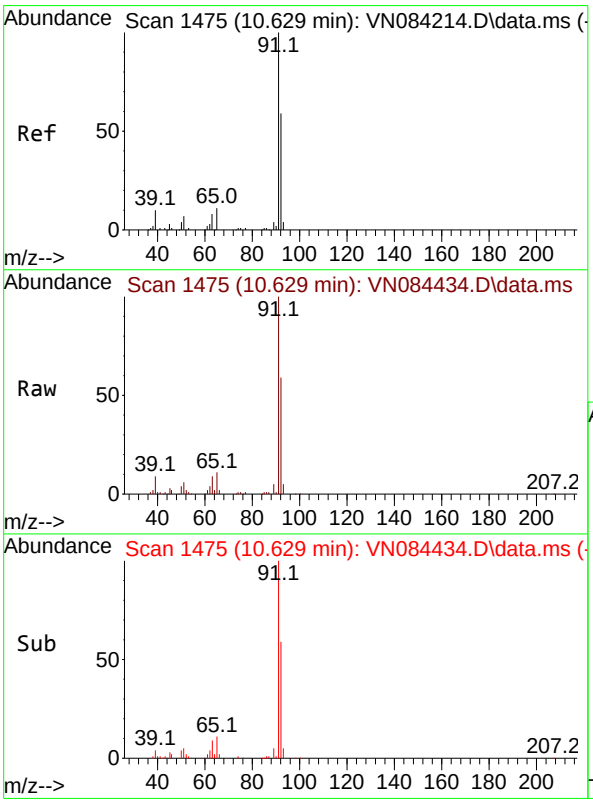
#51
4-Methyl-2-Pentanone
Concen: 104.354 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 43 Resp: 271816

Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4

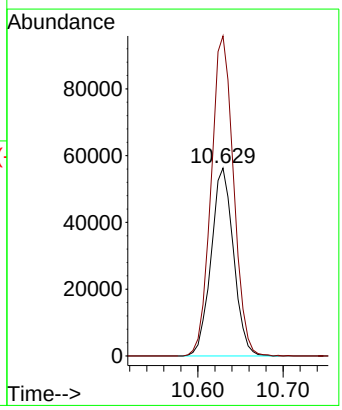


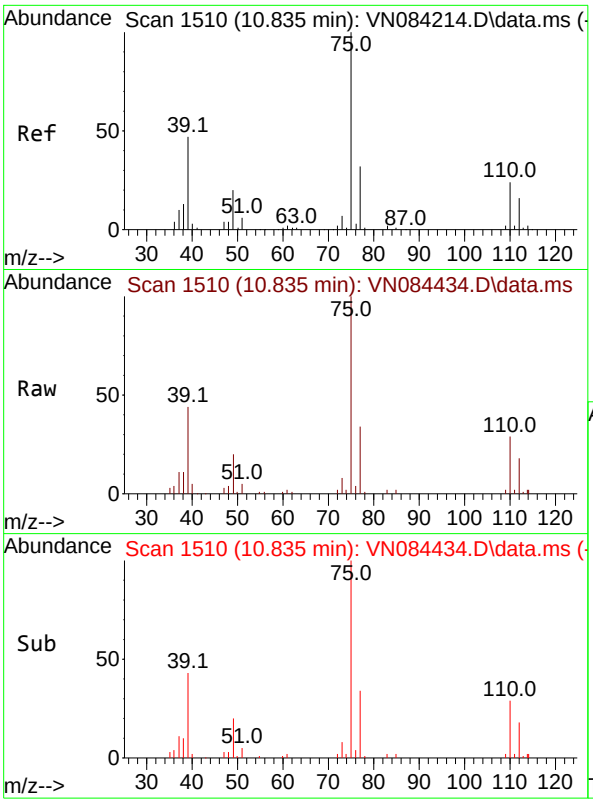


#52
Toluene
Concen: 20.289 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 92 Resp: 102809

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.3	205.9



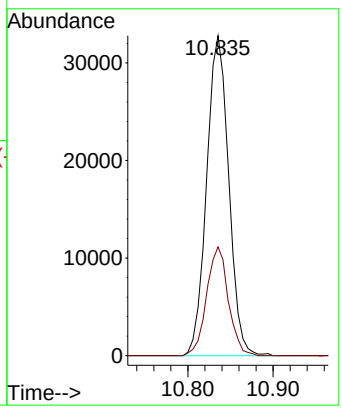


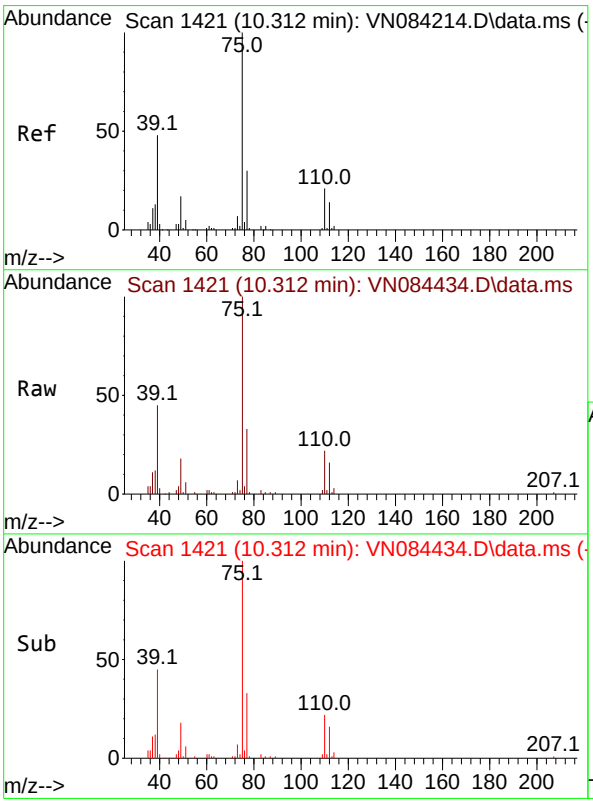
#53
t-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 75 Resp: 59188

Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.4	38.0

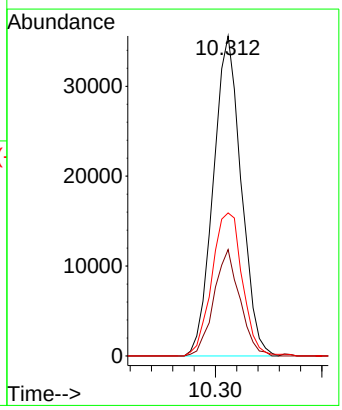


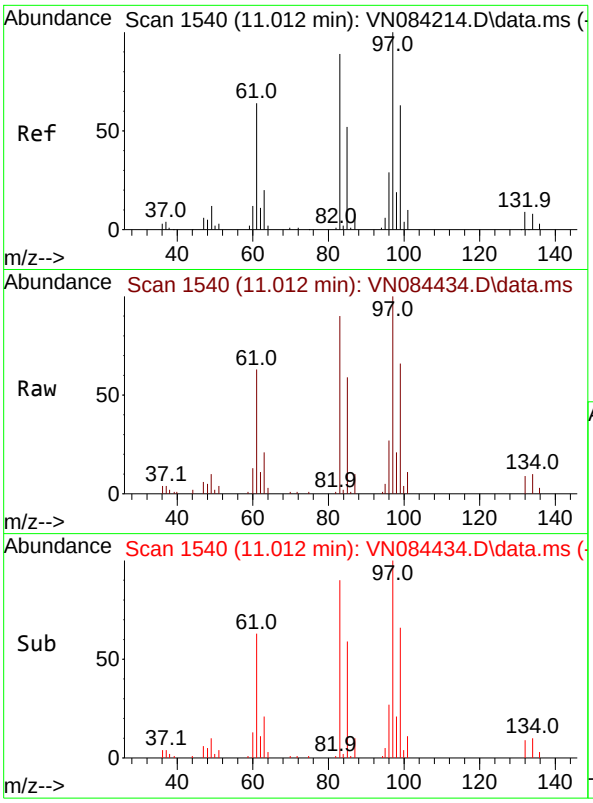


#54
cis-1,3-Dichloropropene
Concen: 20.003 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 64640

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.2	36.2
39	44.7	38.7	58.1



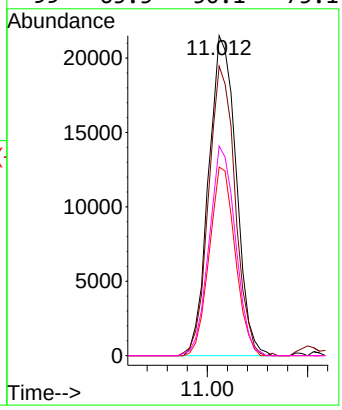


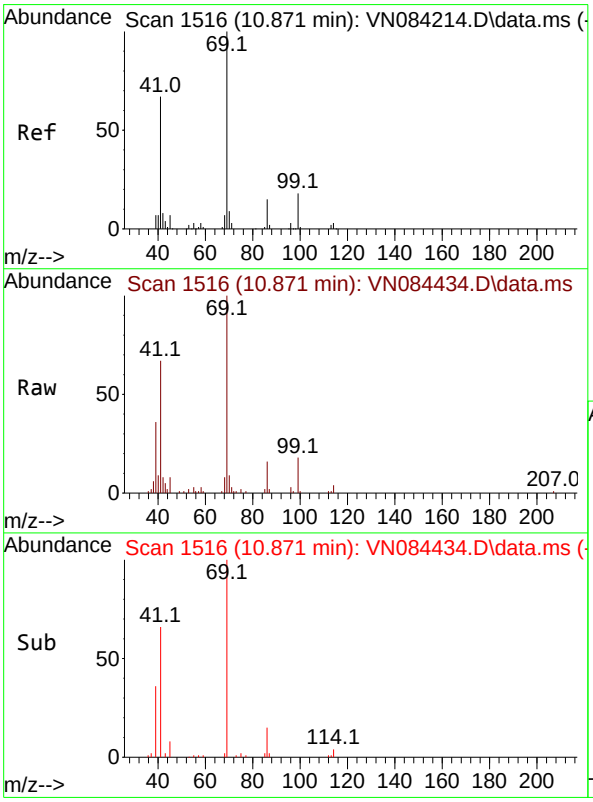
#55
1,1,2-Trichloroethane
Concen: 22.465 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 97 Resp: 40810

Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.0	106.4
85	59.0	41.7	62.5
99	65.5	50.1	75.1

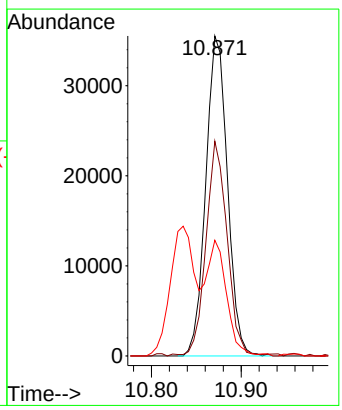


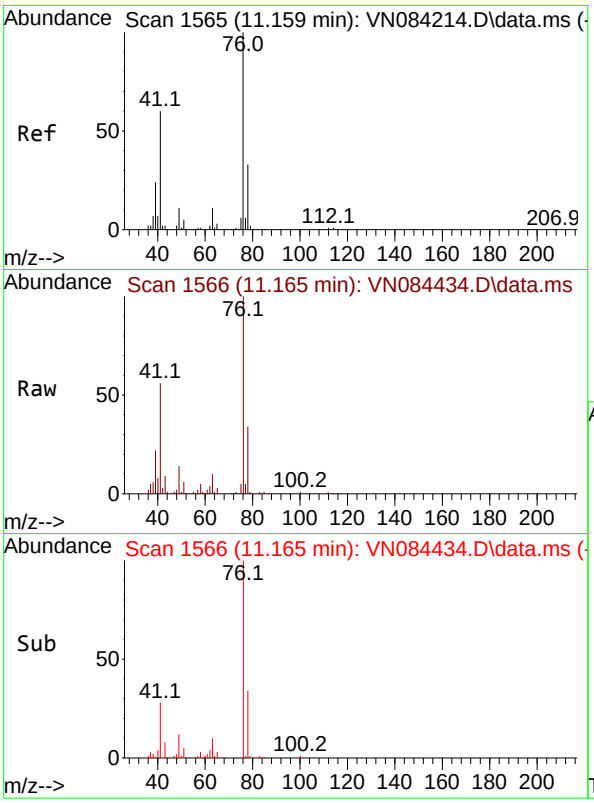


#56
Ethyl methacrylate
Concen: 19.919 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 69 Resp: 59539

Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.3	79.9
39	34.7	28.8	43.2



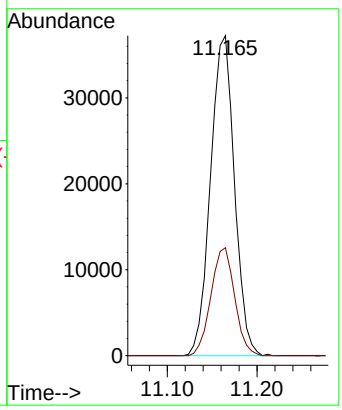


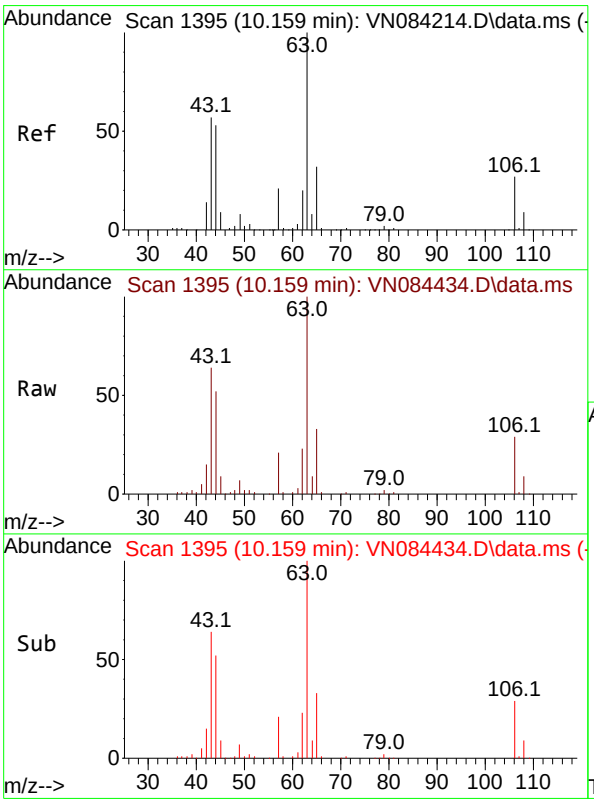
#57
1,3-Dichloropropane
Concen: 21.236 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 76 Resp: 68931

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.6

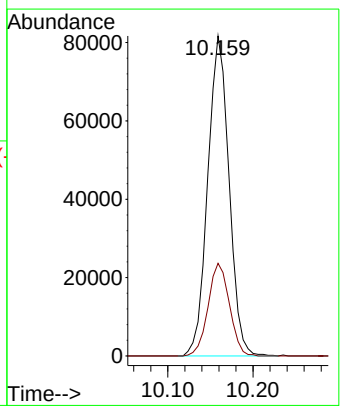


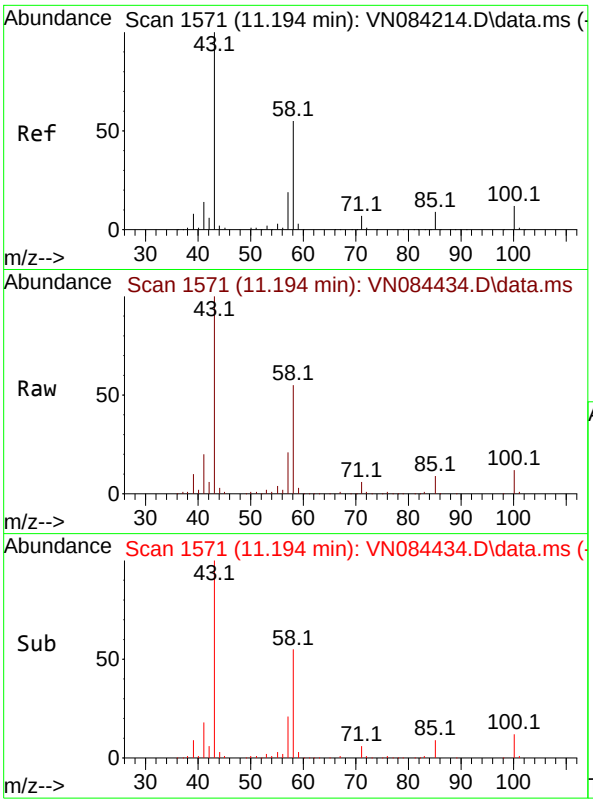


#58
2-Chloroethyl Vinyl ether
Concen: 102.191 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 63 Resp: 141699

Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.6



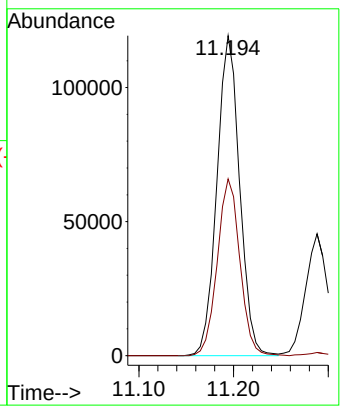


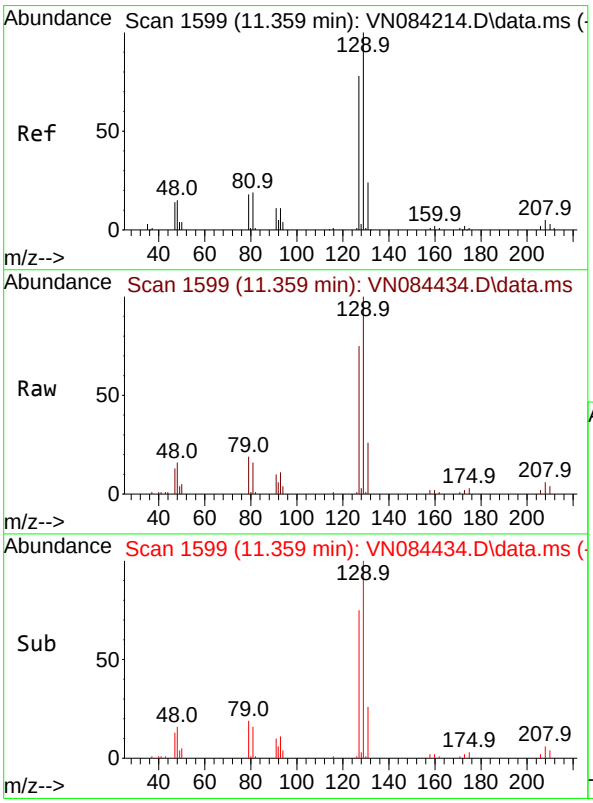
#59
2-Hexanone
Concen: 102.176 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 43 Resp: 198917

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.3	81.8

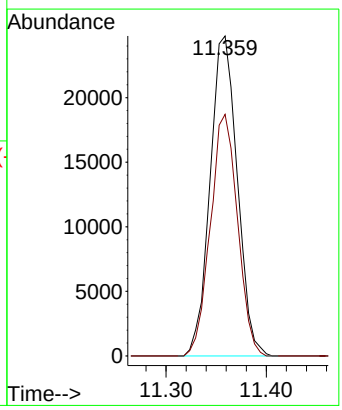


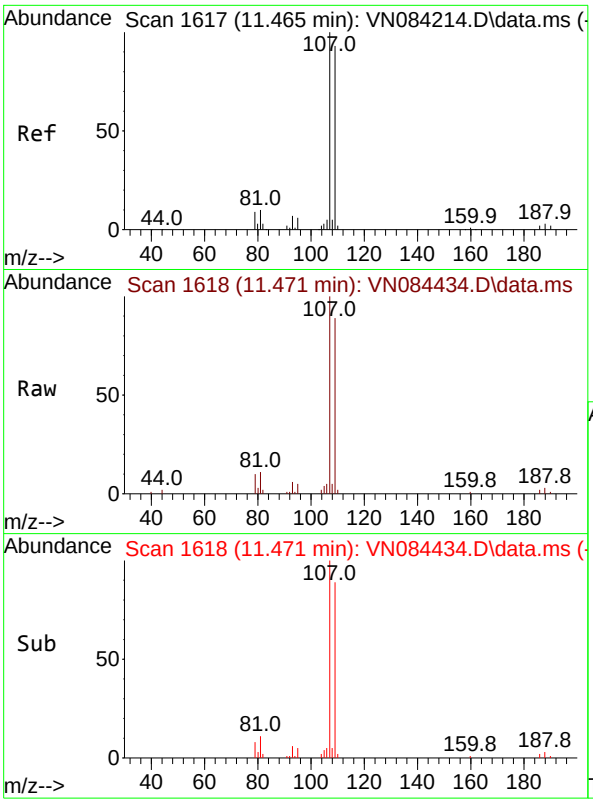


#60
Dibromochloromethane
Concen: 21.769 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:129 Resp: 46724

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.3	114.9



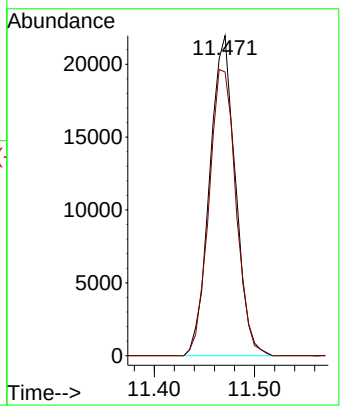


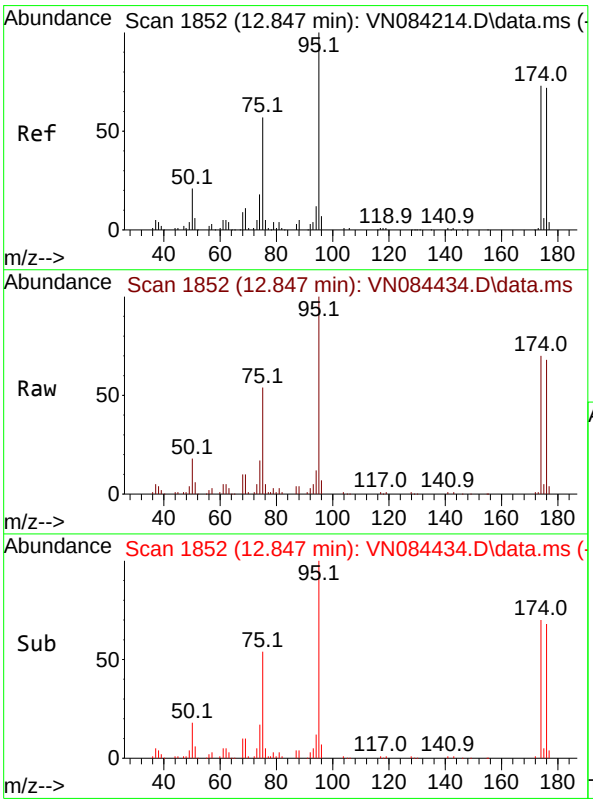
#61
1,2-Dibromoethane
Concen: 20.741 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:107 Resp: 39150

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.0

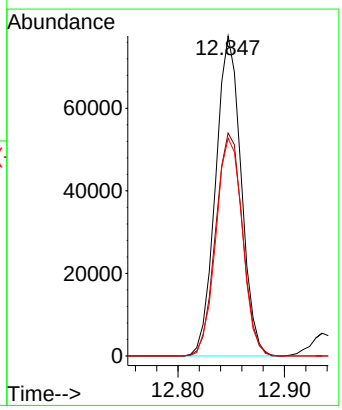


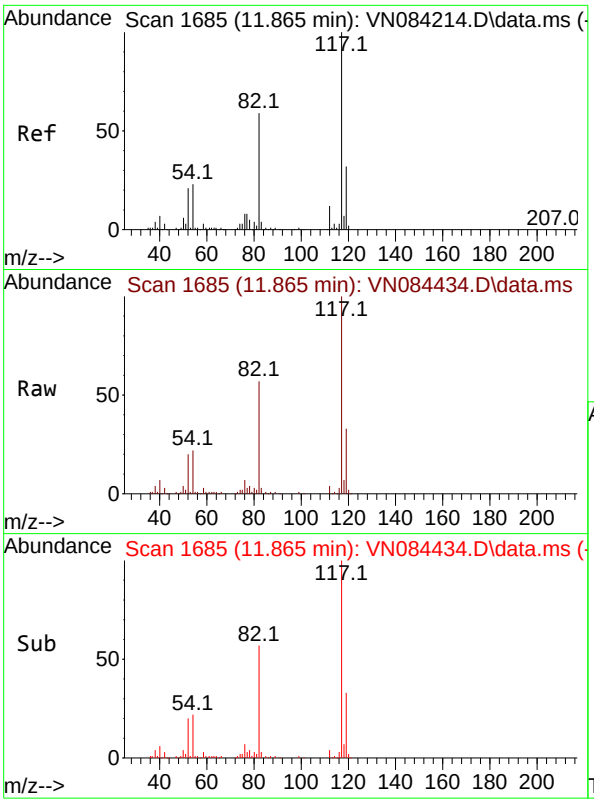


#62
4-Bromofluorobenzene
Concen: 52.449 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 95 Resp: 129081

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	145.2
176	70.7	0.0	140.0



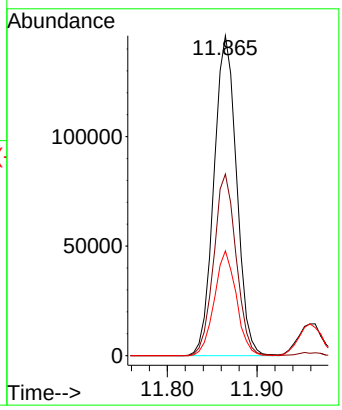


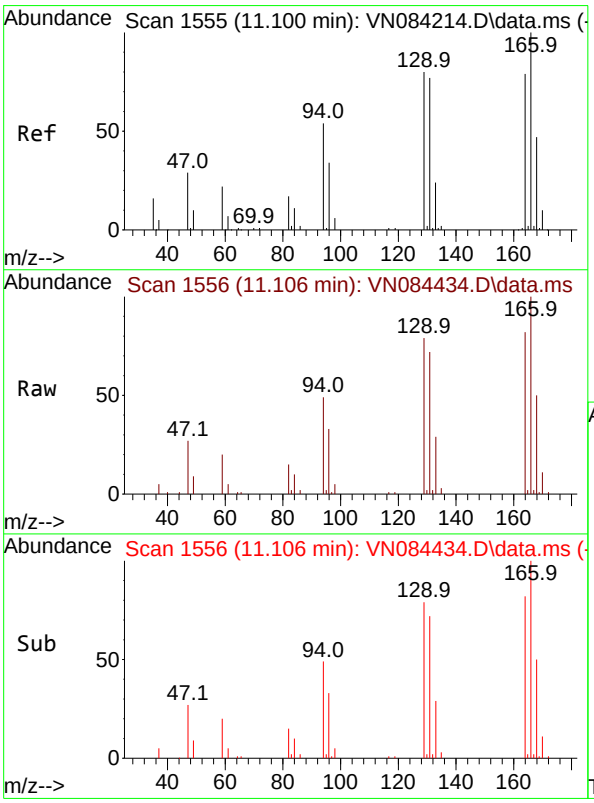
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:117 Resp: 255670

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.7	25.4	38.0

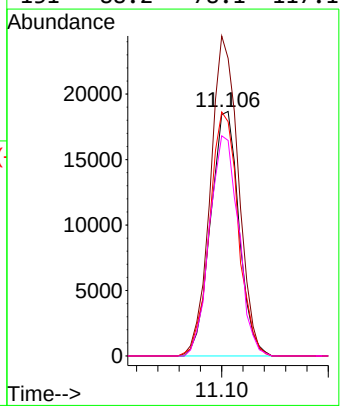


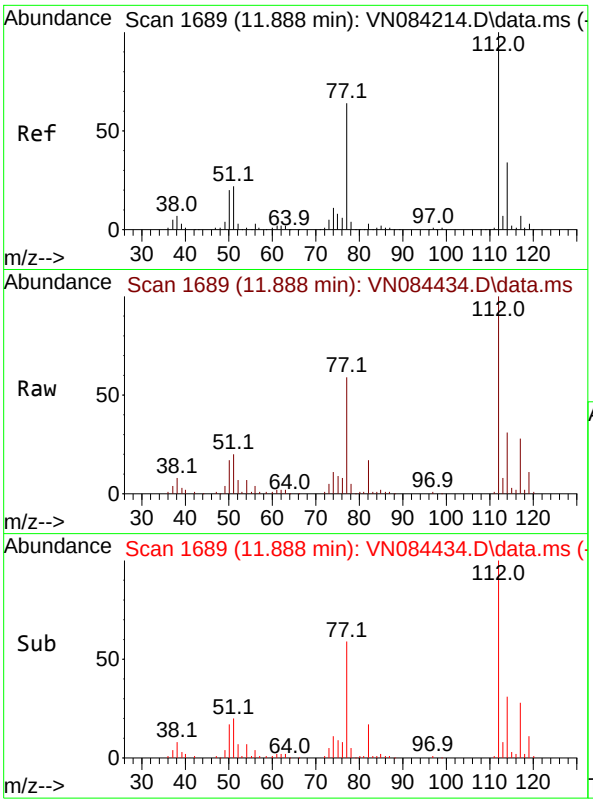


#64
Tetrachloroethene
Concen: 19.288 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:164 Resp: 34348

Ion	Ratio	Lower	Upper
164	100		
166	121.7	101.0	151.4
129	95.8	80.8	121.2
131	88.2	78.1	117.1



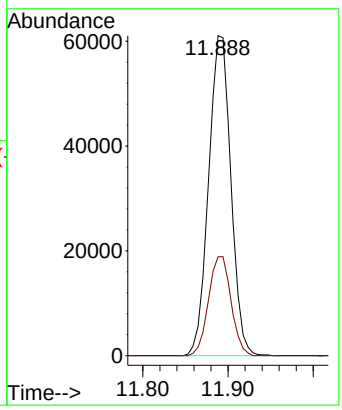


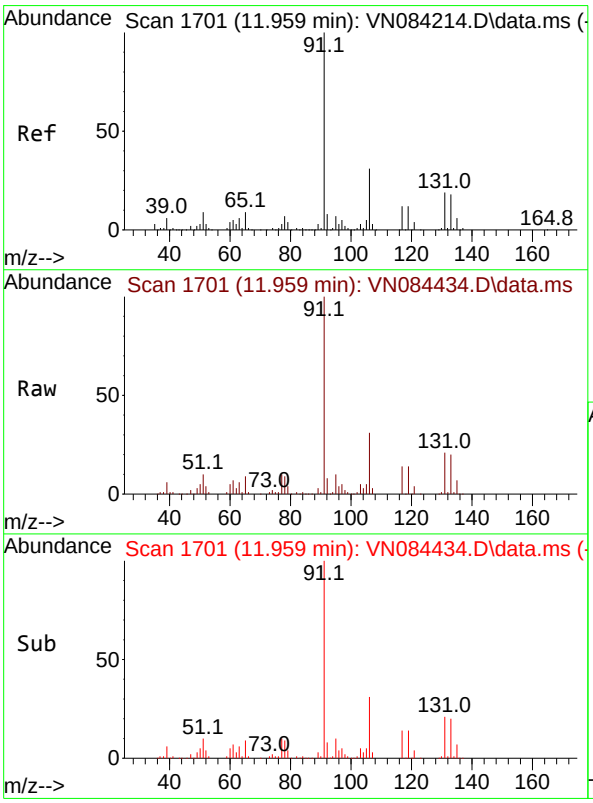
#65
Chlorobenzene
Concen: 19.535 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:112 Resp: 110738

Ion	Ratio	Lower	Upper
112	100		
114	30.9	27.0	40.6

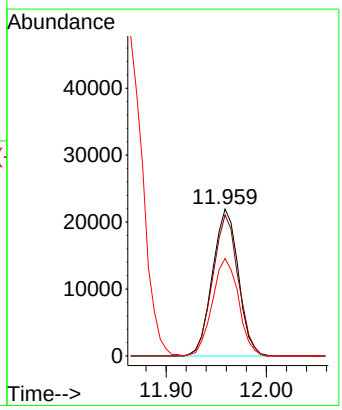


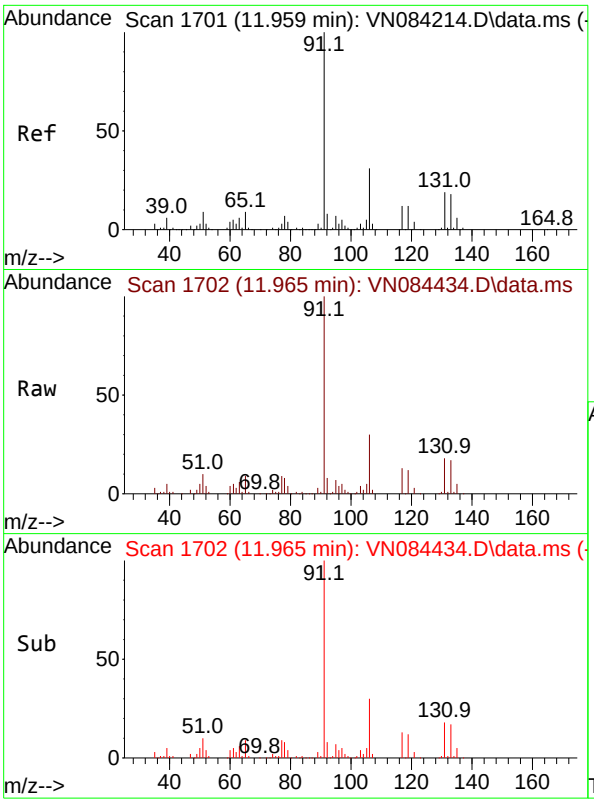


#66
1,1,1,2-Tetrachloroethane
Concen: 20.071 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:131 Resp: 39189

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.7
119	67.4	32.8	98.3



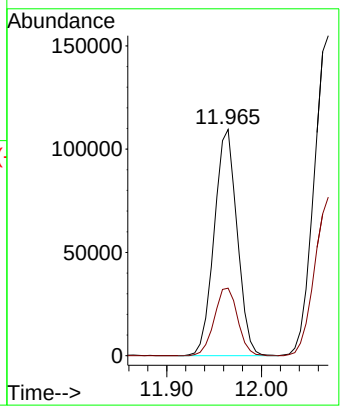


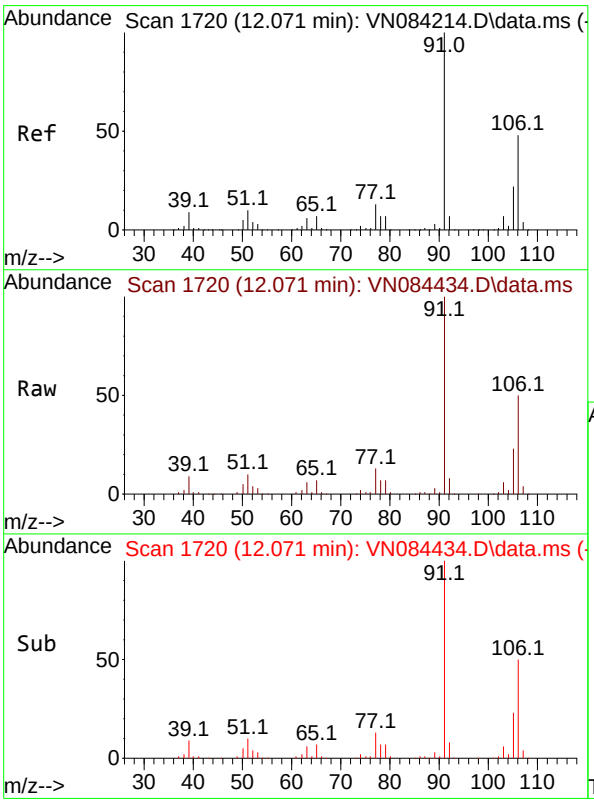
#67
Ethyl Benzene
Concen: 18.360 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 91 Resp: 184057

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7

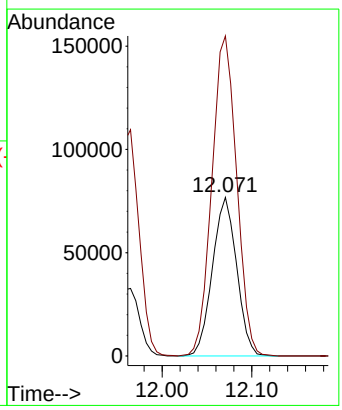


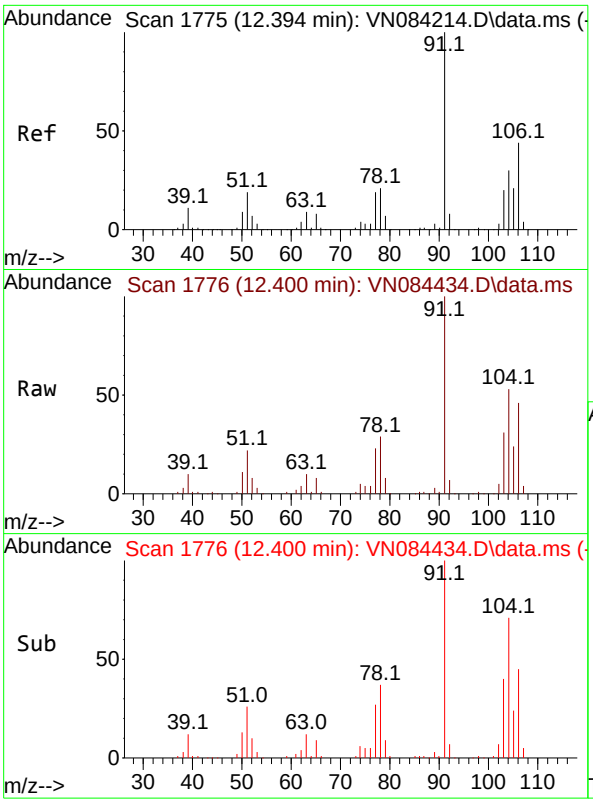


#68
m/p-Xylenes
Concen: 38.843 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:106 Resp: 144045

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7



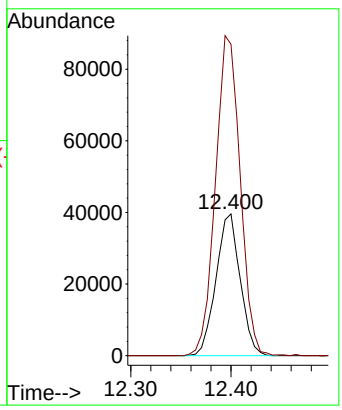


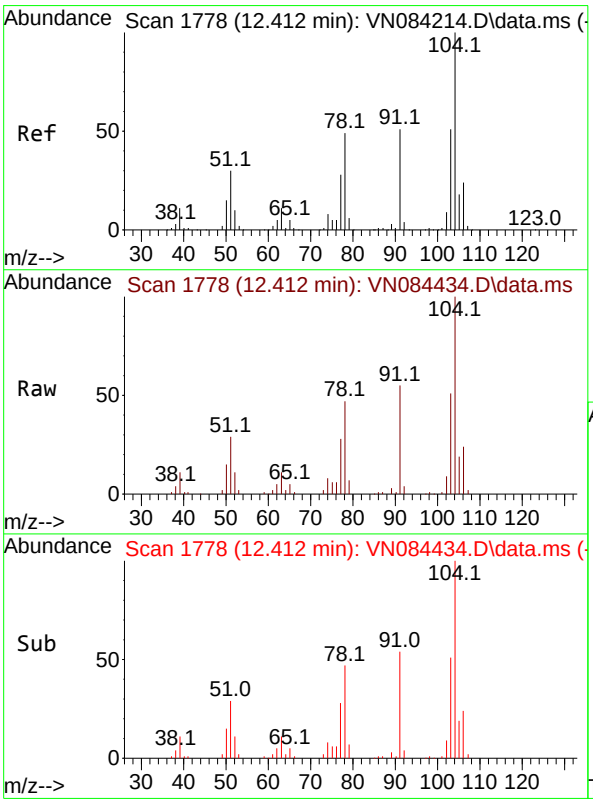
#69
o-Xylene
Concen: 18.841 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:106 Resp: 66105

Ion	Ratio	Lower	Upper
106	100		
91	230.9	110.2	330.6

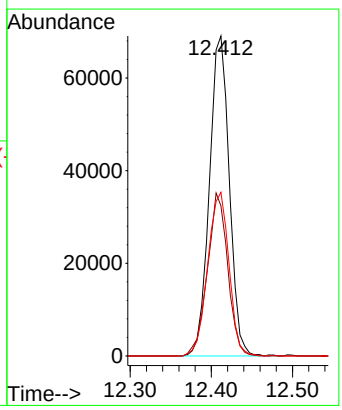


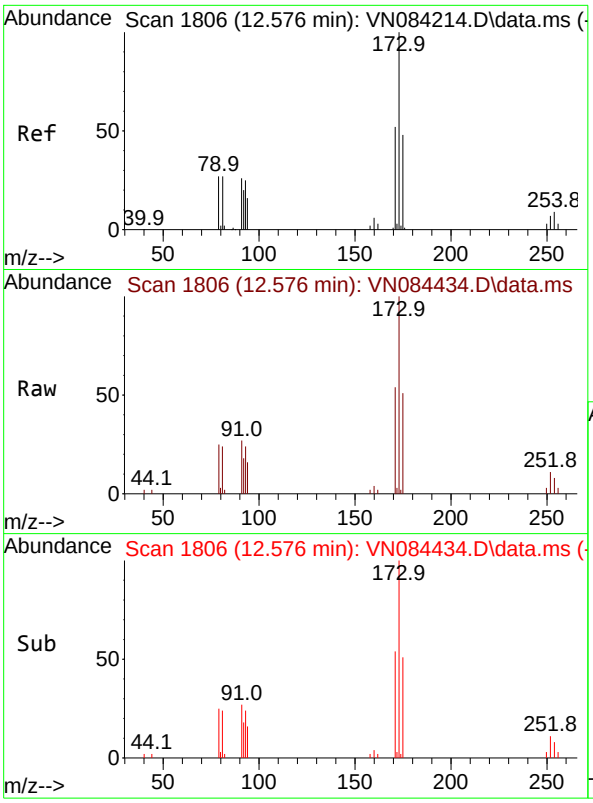


#70
Styrene
Concen: 19.814 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:104 Resp: 117753

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.7	64.1
103	54.6	43.6	65.4



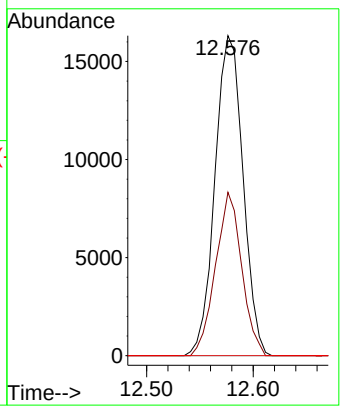


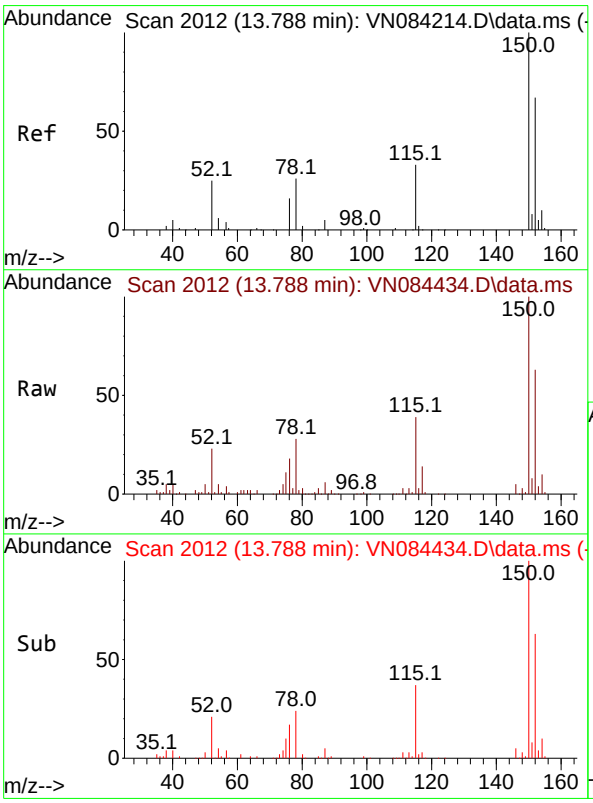
#71
Bromoform
Concen: 20.747 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:173 Resp: 29825

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0

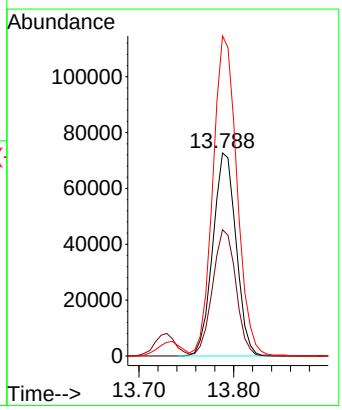


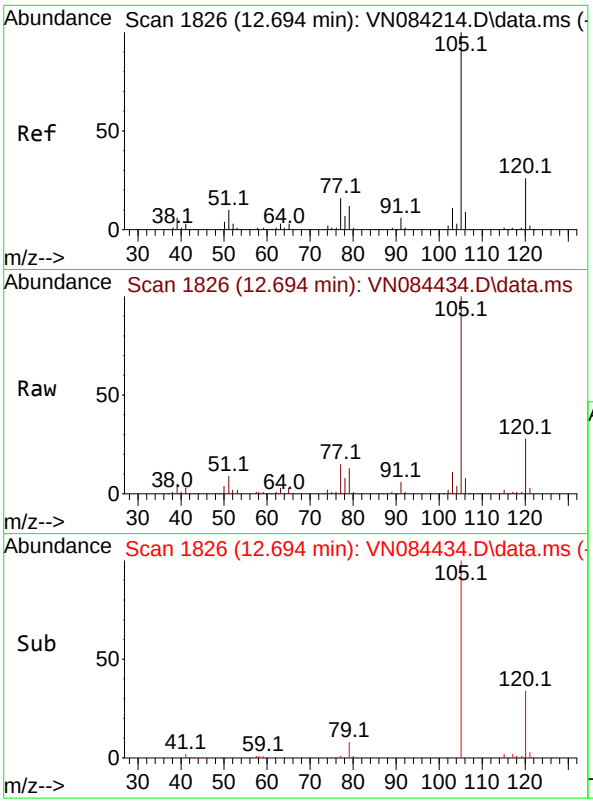


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:152 Resp: 124118

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	163.2	0.0	349.8



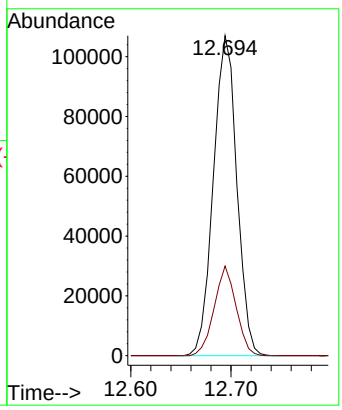


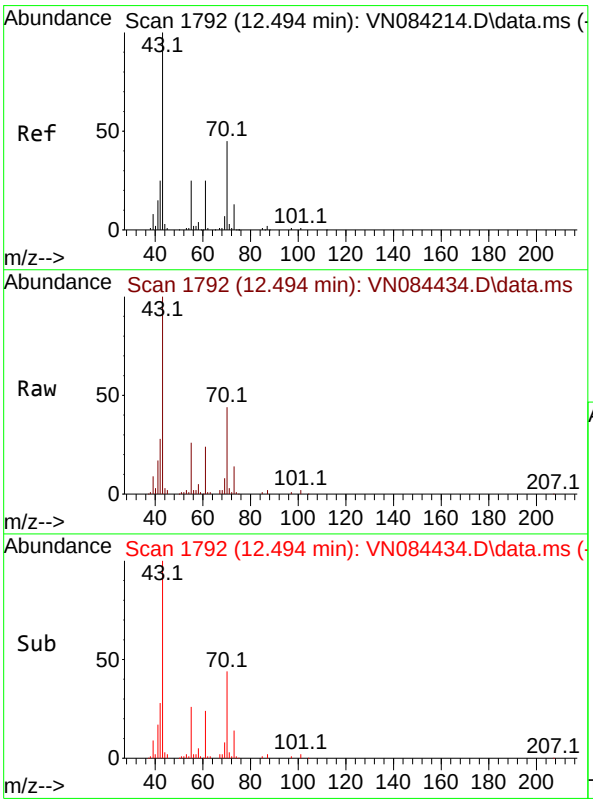
#73
Isopropylbenzene
Concen: 18.352 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:105 Resp: 173820

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

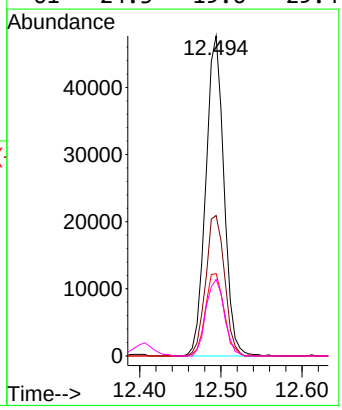


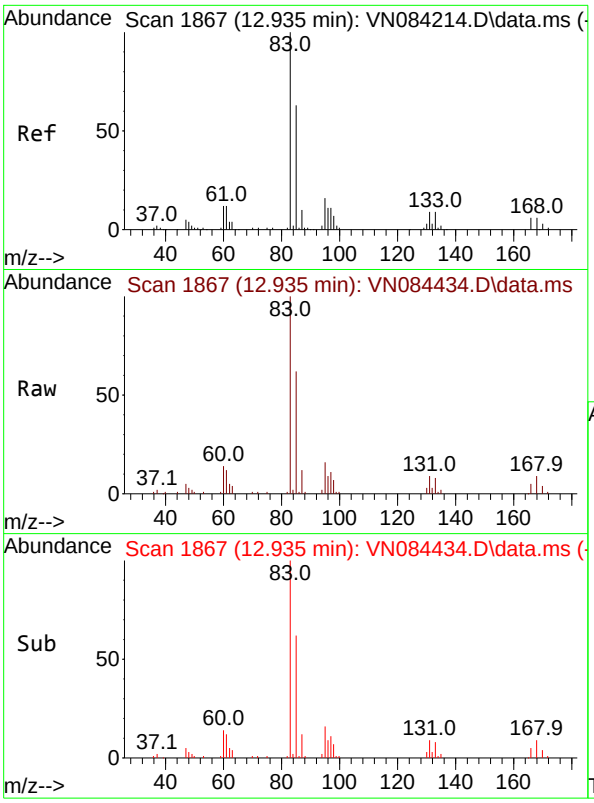


#74
N-amyl acetate
Concen: 17.252 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 43 Resp: 73994

Ion	Ratio	Lower	Upper
43	100		
70	45.7	34.4	51.6
55	26.6	19.6	29.4
61	24.3	19.6	29.4



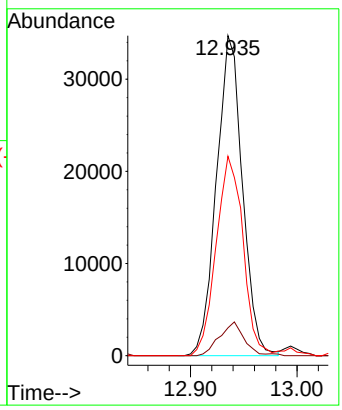


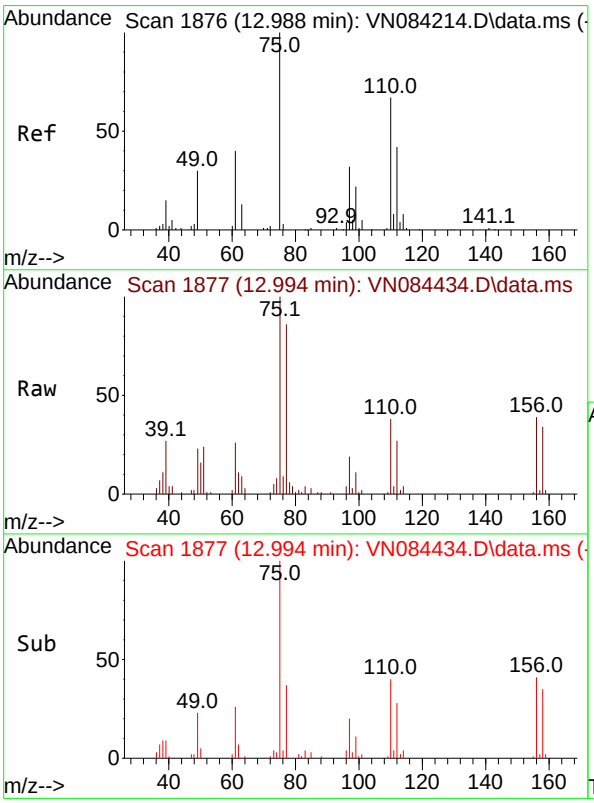
#75
1,1,2,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 83 Resp: 58745

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.3	31.9	95.7

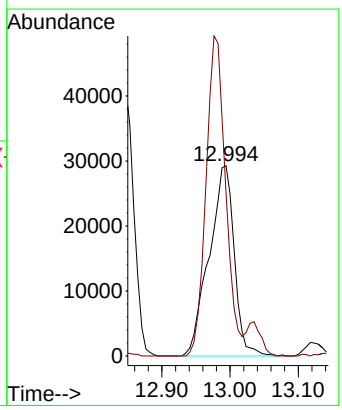


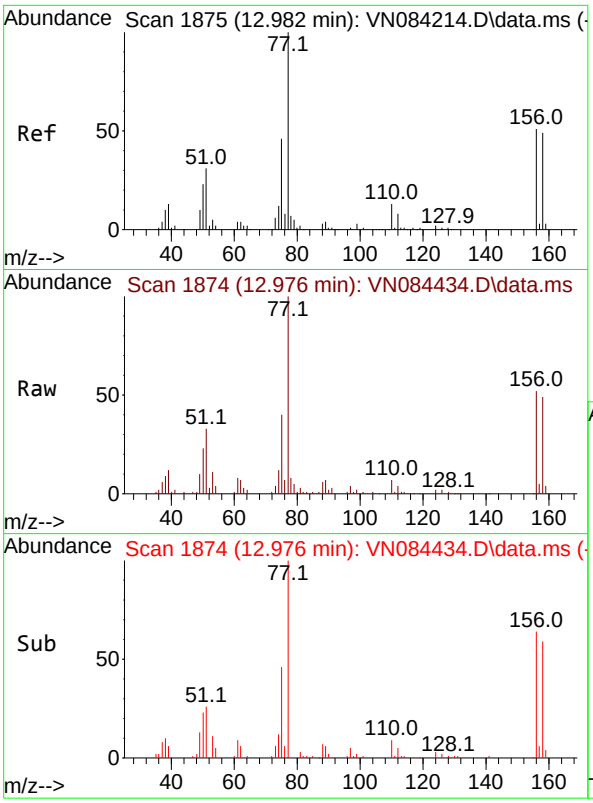


#76
1,2,3-Trichloropropane
Concen: 29.593 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 74985

Ion	Ratio	Lower	Upper
75	100		
77	131.1	96.9	290.7



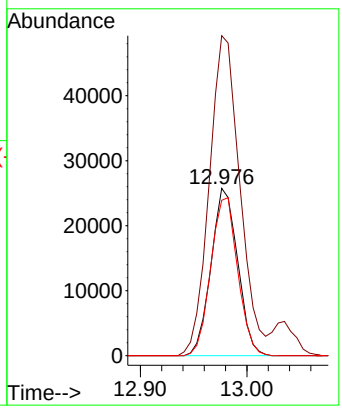


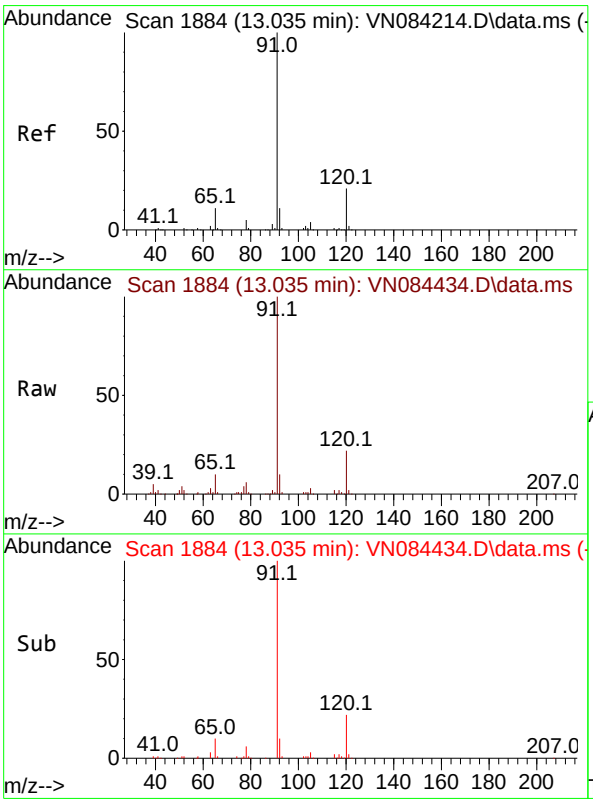
#77
Bromobenzene
Concen: 19.574 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:156 Resp: 44718

Ion	Ratio	Lower	Upper
156	100		
77	219.8	115.1	345.3
158	95.3	48.9	146.8

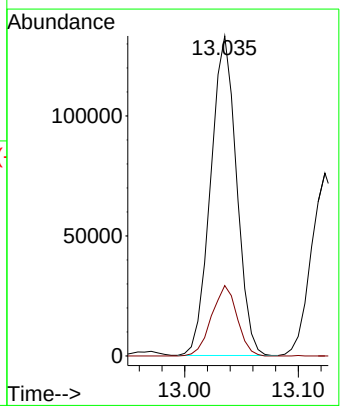


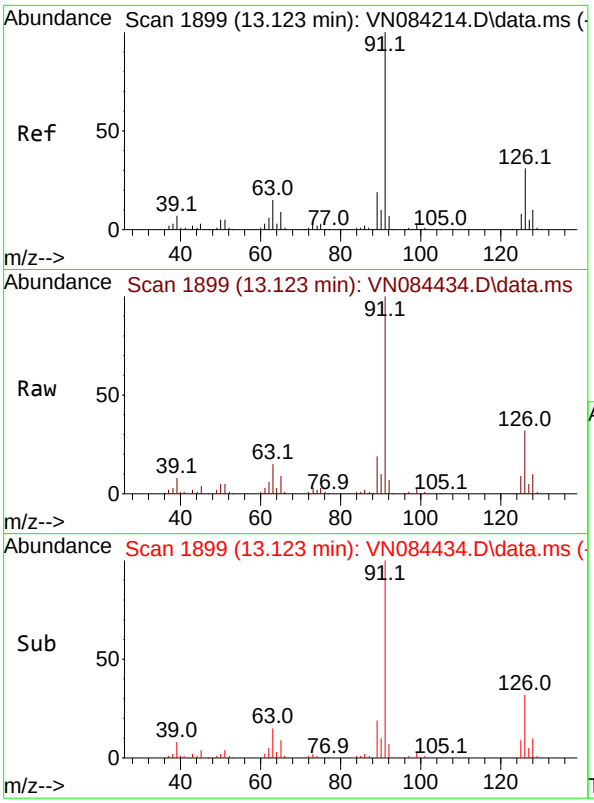


#78
n-propylbenzene
Concen: 19.226 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 91 Resp: 210981

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



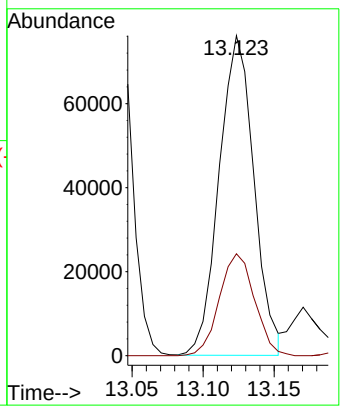


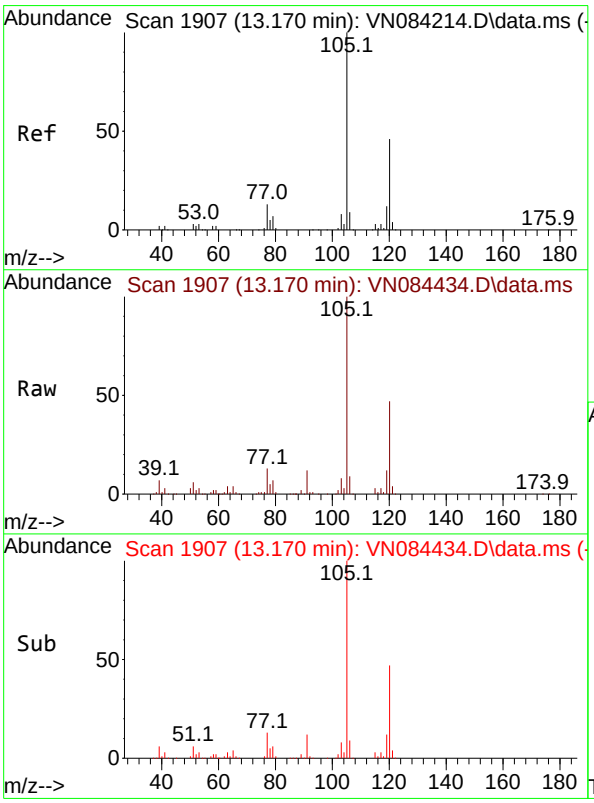
#79
2-Chlorotoluene
Concen: 18.511 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 91 Resp: 129620

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

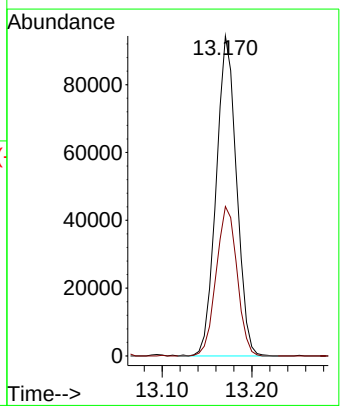


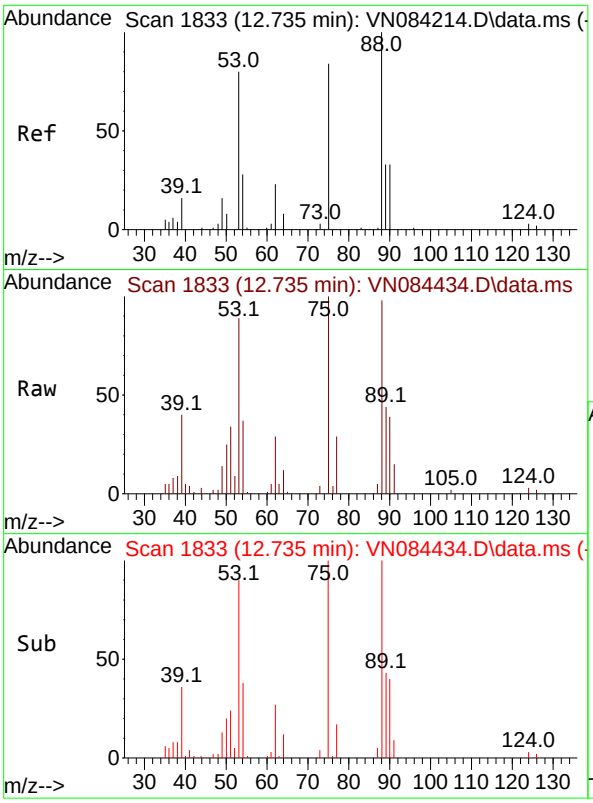


#80
1,3,5-Trimethylbenzene
Concen: 19.217 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:105 Resp: 148466

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.7	71.1



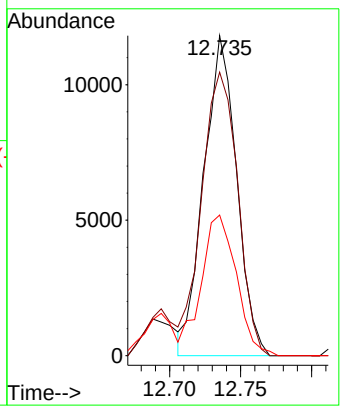


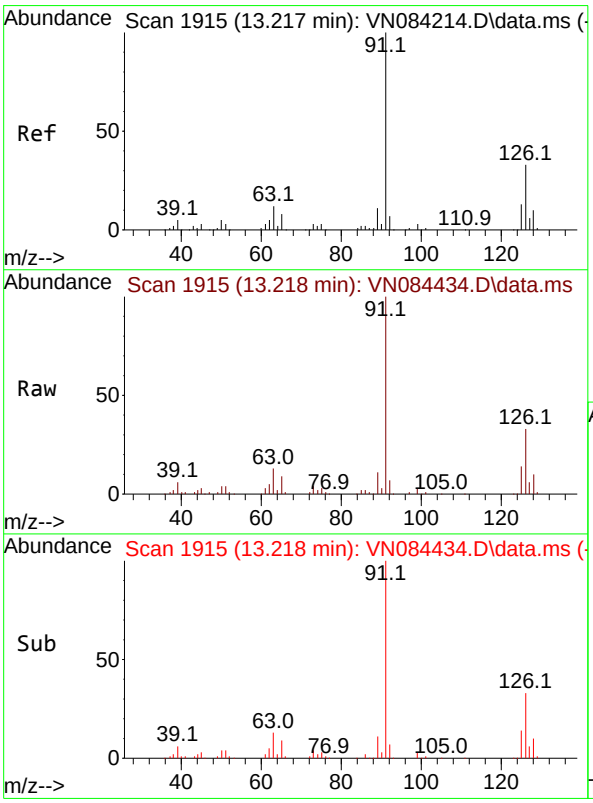
#81
trans-1,4-Dichloro-2-butene
Concen: 17.919 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 75 Resp: 18939

Ion	Ratio	Lower	Upper
75	100		
53	97.4	78.0	117.0
89	47.3	35.5	53.3

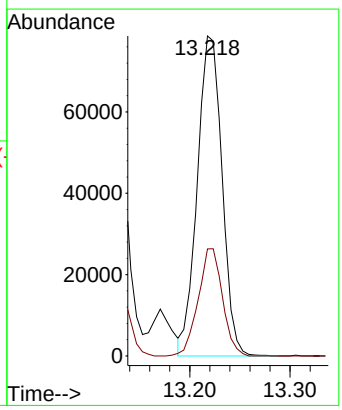


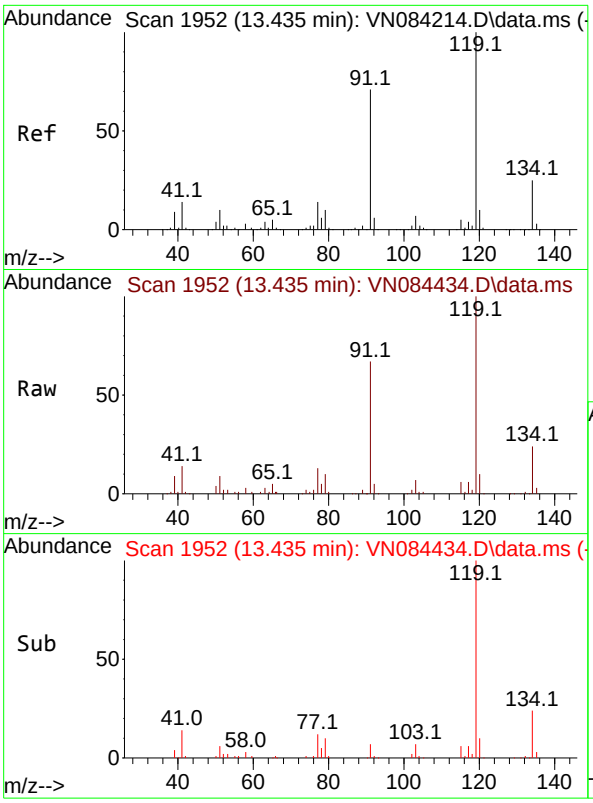


#82
4-Chlorotoluene
Concen: 19.198 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 91 Resp: 135329

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1



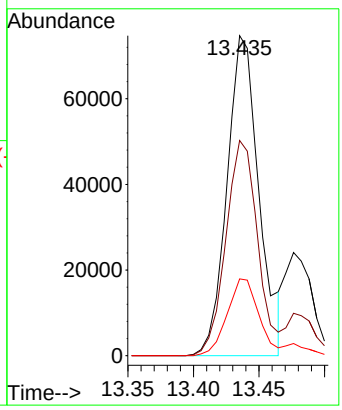


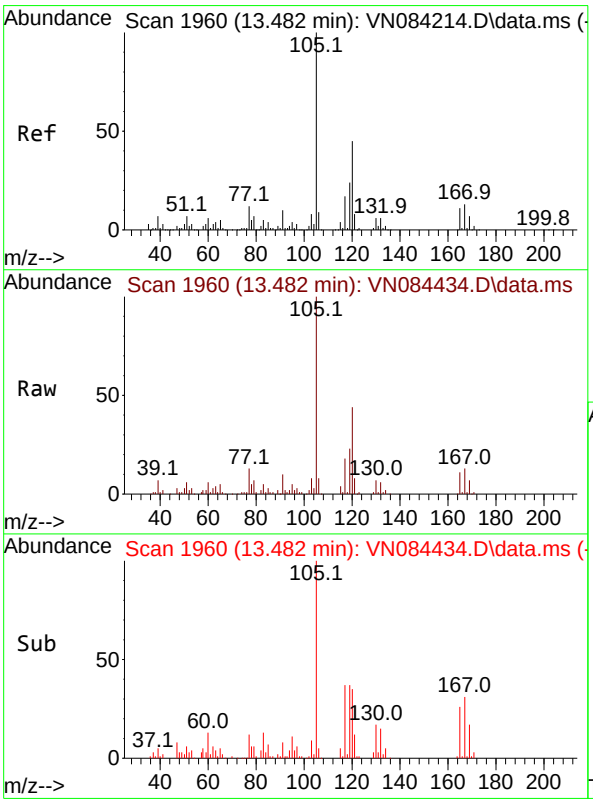
#83
tert-Butylbenzene
Concen: 18.464 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:119 Resp: 126785

Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.1	102.3
134	23.7	12.8	38.4

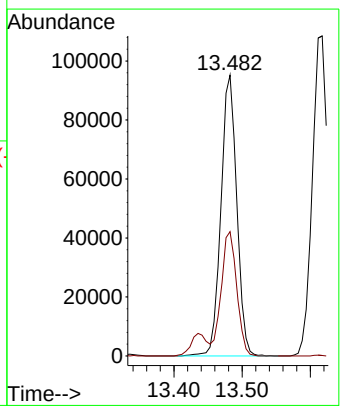


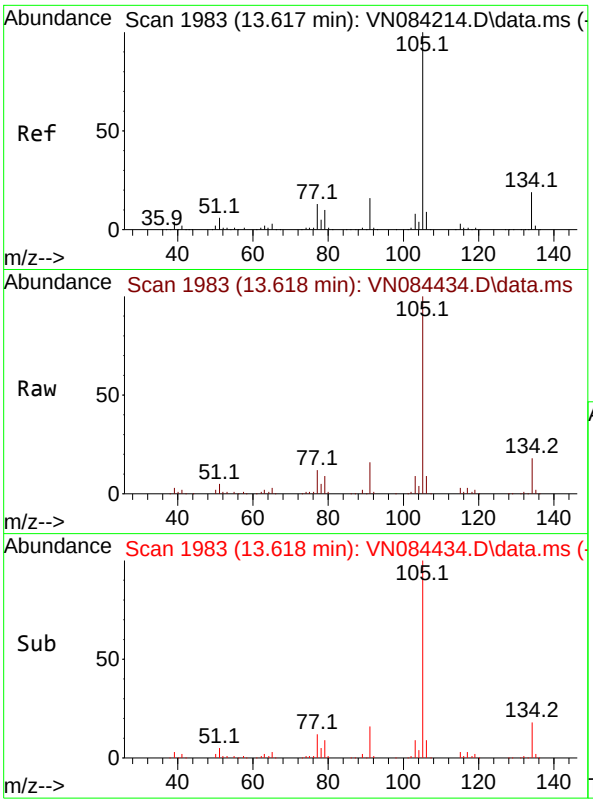


#84
1,2,4-Trimethylbenzene
Concen: 19.745 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:105 Resp: 153677

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



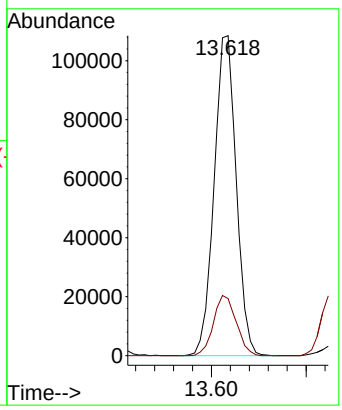


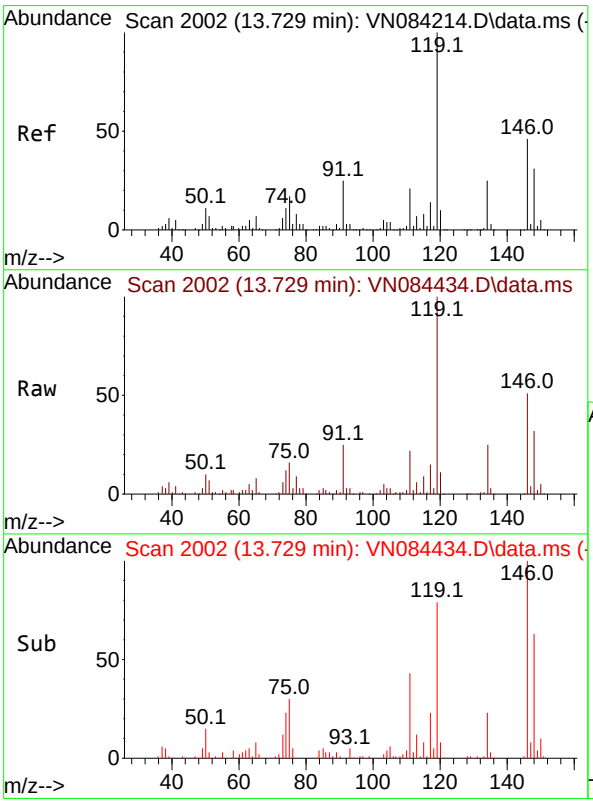
#85
sec-Butylbenzene
Concen: 19.162 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:105 Resp: 175585

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

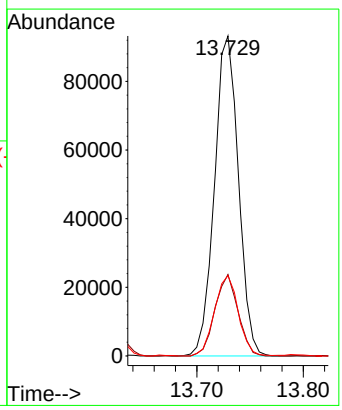


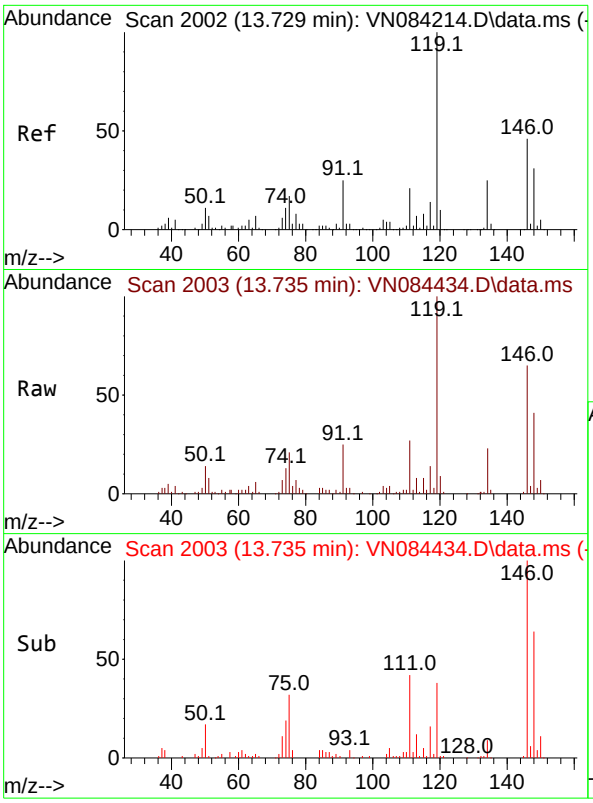


#86
p-Isopropyltoluene
Concen: 19.220 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:119 Resp: 145633

Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.6	37.8
91	24.9	12.4	37.2



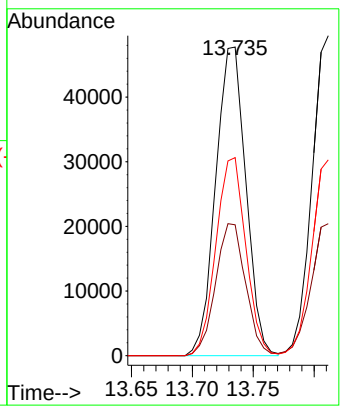


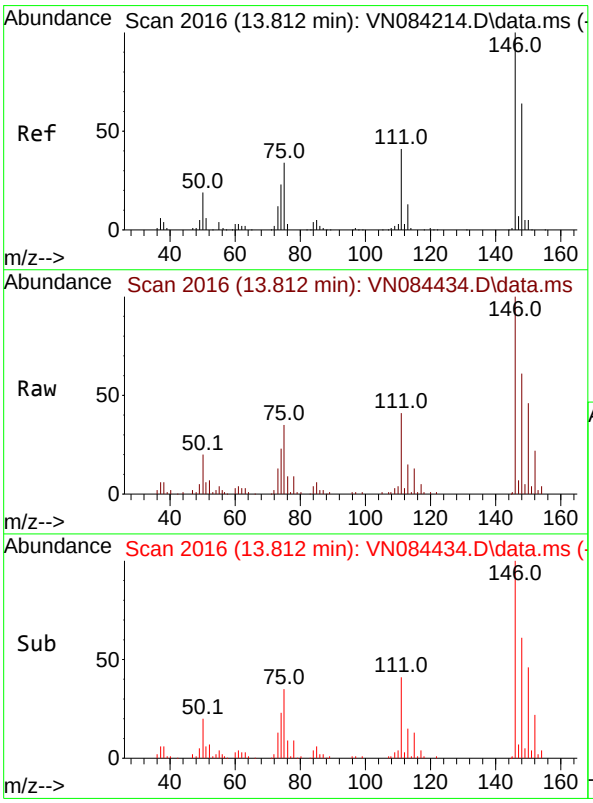
#87
1,3-Dichlorobenzene
Concen: 19.262 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:146 Resp: 82553

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.4	31.9	95.7

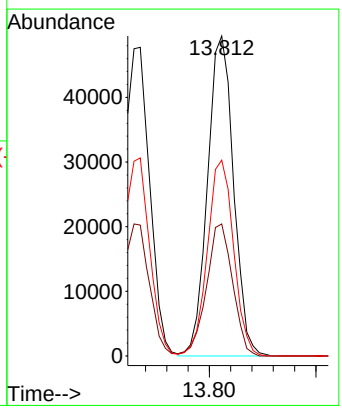


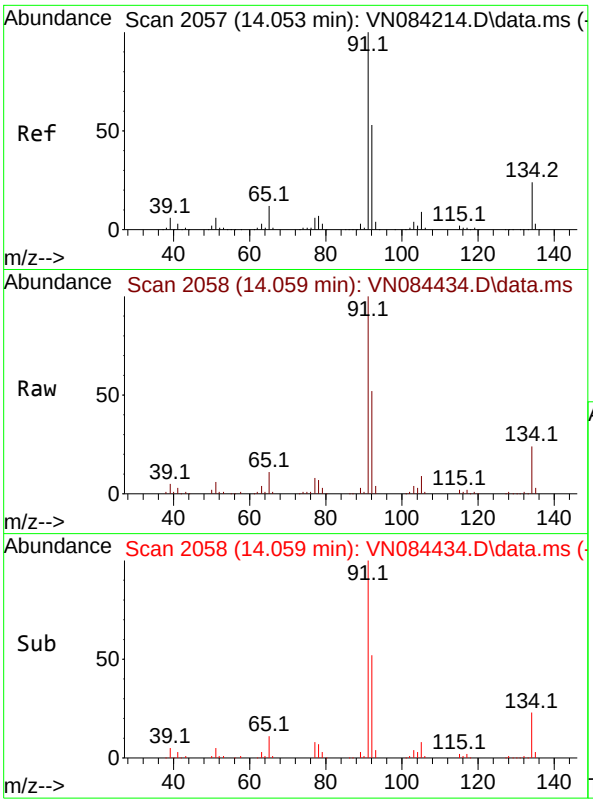


#88
1,4-Dichlorobenzene
Concen: 19.359 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:146 Resp: 83788

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	61.8	31.9	95.9



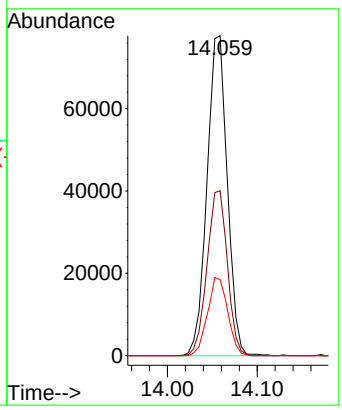


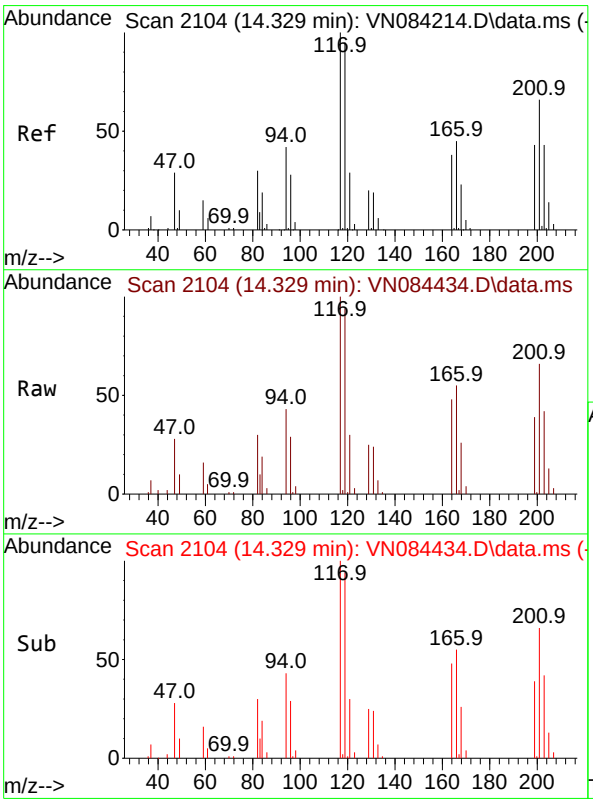
#89
n-Butylbenzene
Concen: 17.758 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion: 91 Resp: 122012

Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.6	79.7
134	24.3	12.3	36.9

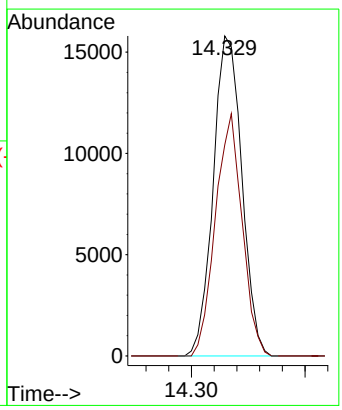


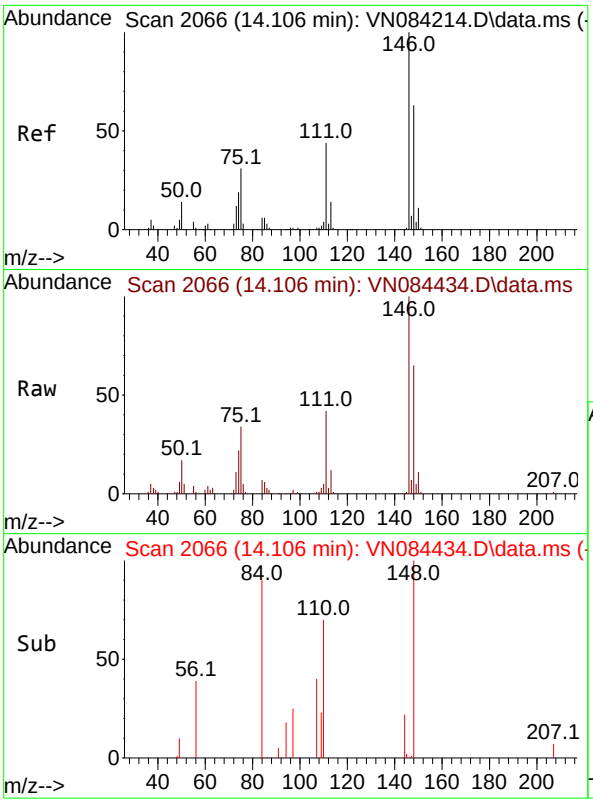


#90
Hexachloroethane
Concen: 17.982 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:117 Resp: 27657

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2



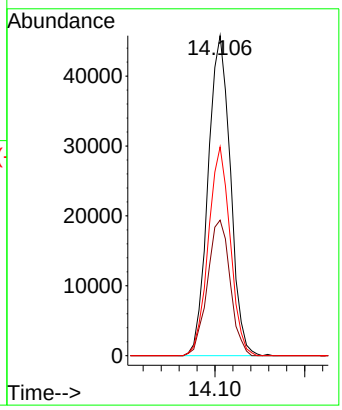


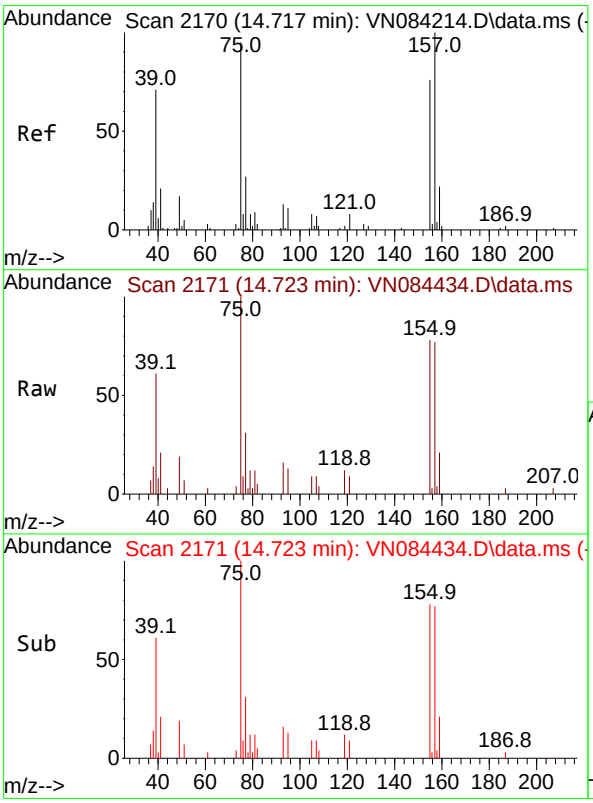
#91
1,2-Dichlorobenzene
Concen: 18.770 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:146 Resp: 78881

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	64.1	32.1	96.3

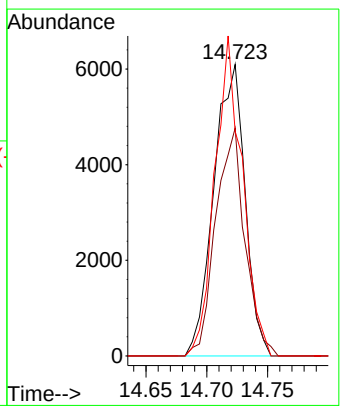


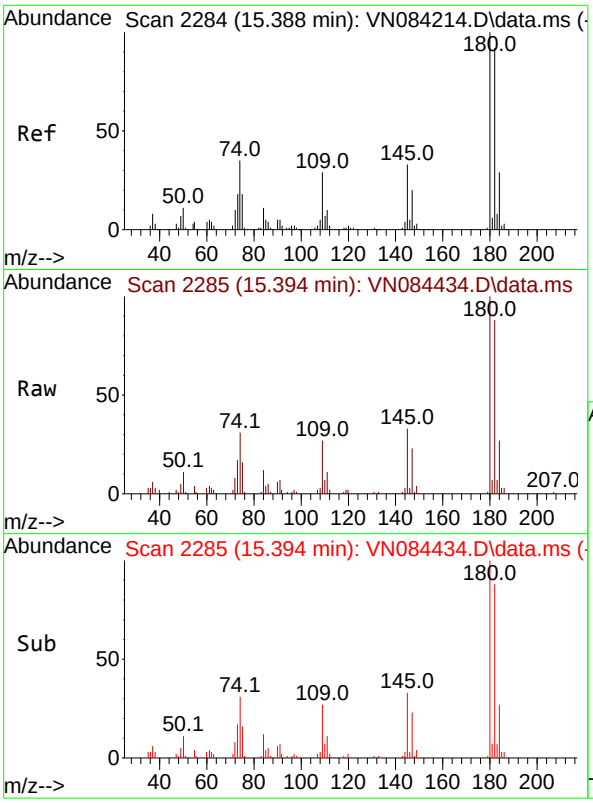


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.515 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion: 75 Resp: 10881

Ion	Ratio	Lower	Upper
75	100		
155	73.3	38.1	114.5
157	96.3	49.6	149.0



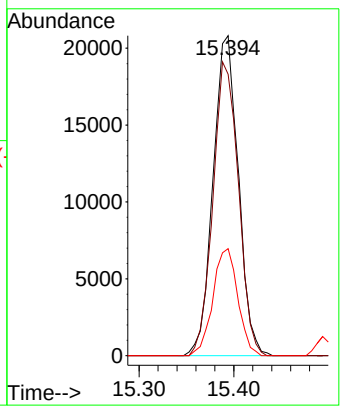


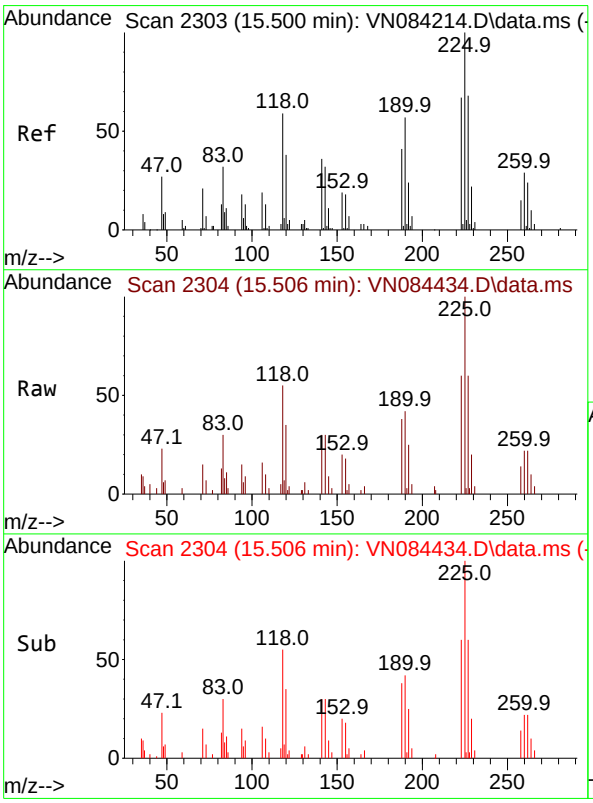
#93
1,2,4-Trichlorobenzene
Concen: 18.655 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:180 Resp: 38616

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	33.0	16.4	49.4

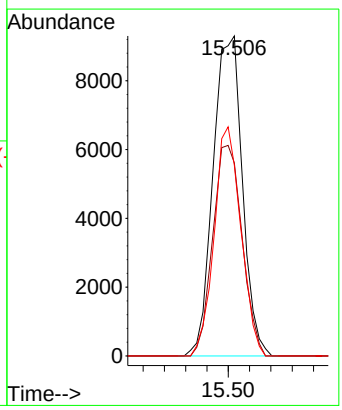


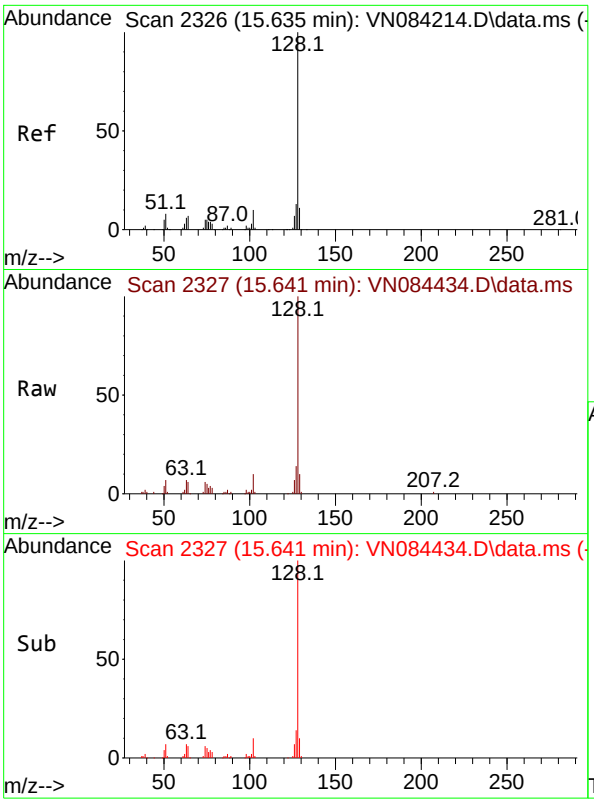


#94
Hexachlorobutadiene
Concen: 17.175 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:225 Resp: 17729

Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.4	97.2
227	65.3	32.4	97.0



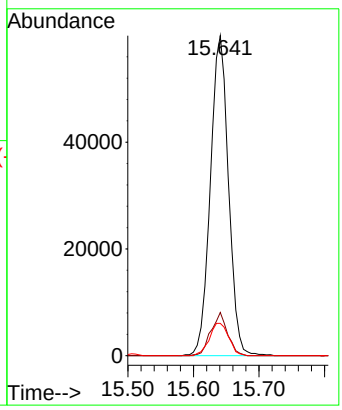


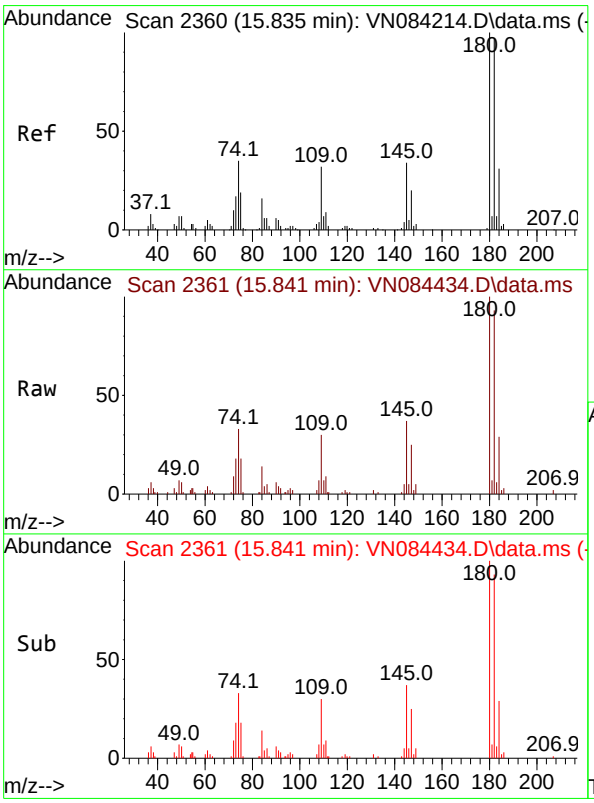
#95
Naphthalene
Concen: 16.767 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tgt Ion:128 Resp: 115061

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.8	8.7	13.1

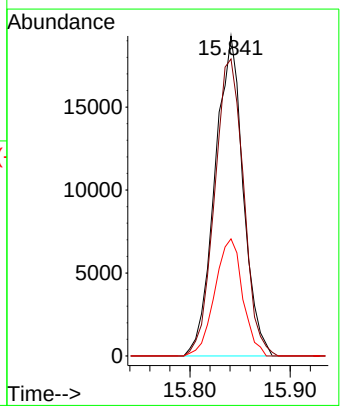




#96
1,2,3-Trichlorobenzene
Concen: 18.175 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084434.D
Acq: 21 Oct 2024 14:22

Tgt Ion:180 Resp: 37660

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.2	144.6
145	36.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 22 01:42:17 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	164267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116690	47.911	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.820%			
35) Dibromofluoromethane	8.165	113	96698	52.045	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	10.565	98	354860	51.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.847	95	129892	52.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	84821	43.654	ug/l	94
3) Chloromethane	2.359	50	94401	42.550	ug/l	96
4) Vinyl Chloride	2.512	62	95237	44.316	ug/l	100
5) Bromomethane	2.942	94	58167	41.035	ug/l	96
6) Chloroethane	3.112	64	62275	40.462	ug/l	98
7) Trichlorofluoromethane	3.495	101	163261	48.786	ug/l	97
8) Diethyl Ether	3.959	74	60533	48.772	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	95561	49.837	ug/l	99
10) Methyl Iodide	4.589	142	118118	47.834	ug/l	98
11) Tert butyl alcohol	5.518	59	84056	209.300	ug/l	100
12) 1,1-Dichloroethene	4.336	96	91278	49.352	ug/l	98
13) Acrolein	4.183	56	86128	186.809	ug/l	98
14) Allyl chloride	5.024	41	140602	43.772	ug/l	98
15) Acrylonitrile	5.718	53	264703	261.006	ug/l	98
16) Acetone	4.430	43	209499	200.235	ug/l	97
17) Carbon Disulfide	4.712	76	222486	37.994	ug/l	99
18) Methyl Acetate	5.024	43	135697	59.505	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	323965	51.897	ug/l	99
20) Methylene Chloride	5.277	84	108136	50.844	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	95558	49.315	ug/l	98
22) Diisopropyl ether	6.671	45	344689	51.879	ug/l	99
23) Vinyl Acetate	6.600	43	1175888	238.618	ug/l	100
24) 1,1-Dichloroethane	6.571	63	190033	51.145	ug/l	98
25) 2-Butanone	7.483	43	333066	233.725	ug/l	99
26) 2,2-Dichloropropane	7.494	77	149770	44.706	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	118609	50.655	ug/l	97
28) Bromochloromethane	7.812	49	78703	47.474	ug/l	97
29) Tetrahydrofuran	7.841	42	221138	251.461	ug/l	97
30) Chloroform	7.965	83	201338	52.167	ug/l	100
31) Cyclohexane	8.259	56	153399	42.521	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	177818	51.300	ug/l	99
36) 1,1-Dichloropropene	8.371	75	133081	49.312	ug/l	98
37) Ethyl Acetate	7.559	43	133124	48.082	ug/l	99
38) Carbon Tetrachloride	8.359	117	150440	50.818	ug/l	97
39) Methylcyclohexane	9.600	83	138930	46.254	ug/l	99
40) Benzene	8.606	78	428332	50.941	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 22 01:42:17 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	76939	51.187	ug/l		97
42) 1,2-Dichloroethane	8.671	62	142985	50.160	ug/l		98
43) Isopropyl Acetate	8.688	43	229980	42.408	ug/l		99
44) Trichloroethene	9.353	130	99355	50.592	ug/l		99
45) 1,2-Dichloropropane	9.618	63	106710	53.648	ug/l		97
46) Dibromomethane	9.706	93	74783	55.712	ug/l		99
47) Bromodichloromethane	9.888	83	159633	53.528	ug/l		98
48) Methyl methacrylate	9.682	41	109772	50.850	ug/l		99
49) 1,4-Dioxane	9.694	88	39543	994.968	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	708662	268.874	ug/l		100
52) Toluene	10.629	92	268587	52.382	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	155308	51.089	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	170218	52.057	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	101779	55.371	ug/l		98
56) Ethyl methacrylate	10.871	69	165318	54.658	ug/l		97
57) 1,3-Dichloropropane	11.159	76	175471	53.424	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	390411	278.254	ug/l		98
59) 2-Hexanone	11.194	43	512990	260.410	ug/l		99
60) Dibromochloromethane	11.359	129	122224	56.277	ug/l		100
61) 1,2-Dibromoethane	11.471	107	100984	52.872	ug/l		100
64) Tetrachloroethene	11.100	164	87525	48.943	ug/l		97
65) Chlorobenzene	11.888	112	285234	50.105	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	104070	53.075	ug/l		99
67) Ethyl Benzene	11.965	91	518810	51.533	ug/l		100
68) m/p-Xylenes	12.070	106	389131	104.492	ug/l		100
69) o-Xylene	12.400	106	188510	53.503	ug/l		99
70) Styrene	12.412	104	329833	55.268	ug/l		99
71) Bromoform	12.576	173	78482	54.365	ug/l	#	97
73) Isopropylbenzene	12.694	105	482626	48.507	ug/l		100
74) N-amyl acetate	12.494	43	205514	45.614	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	150053	50.155	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	189767	71.291	ug/l		61
77) Bromobenzene	12.976	156	118173	49.239	ug/l		94
78) n-propylbenzene	13.035	91	573481	49.748	ug/l		99
79) 2-Chlorotoluene	13.123	91	356393	48.450	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	411332	50.681	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	55404	49.901	ug/l		89
82) 4-Chlorotoluene	13.223	91	360840	48.730	ug/l		99
83) tert-Butylbenzene	13.435	119	352909	48.923	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	416913	50.992	ug/l		100
85) sec-Butylbenzene	13.617	105	482488	50.124	ug/l		100
86) p-Isopropyltoluene	13.729	119	404005	50.755	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	217666	48.345	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	218499	48.056	ug/l		99
89) n-Butylbenzene	14.053	91	342382	47.437	ug/l		99
90) Hexachloroethane	14.335	117	74567	46.151	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	214956	48.690	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28592	46.312	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	105156	48.359	ug/l		99
94) Hexachlorobutadiene	15.500	225	47024	43.364	ug/l		98
95) Naphthalene	15.641	128	338368	46.938	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	103615	47.602	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 22 01:42:17 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)

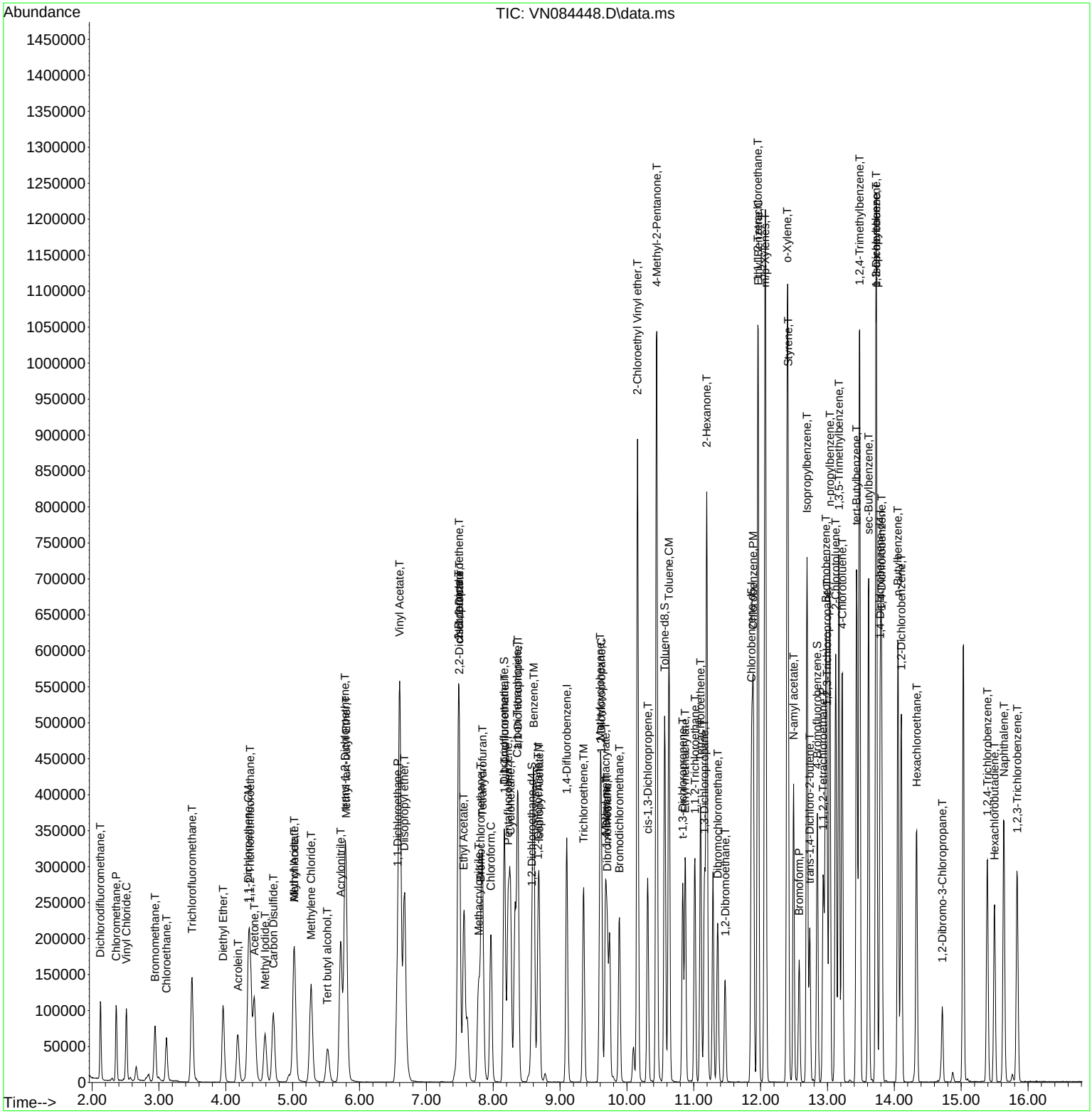
(#) = qualifier out of range (m) = manual integration (+) = signals summed

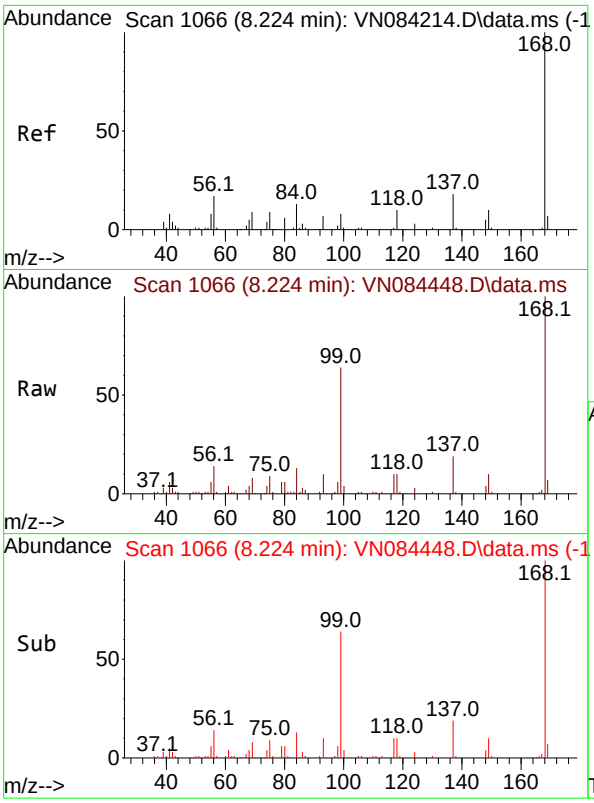
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084448.D
Acq On : 21 Oct 2024 20:04
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 22 01:42:17 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



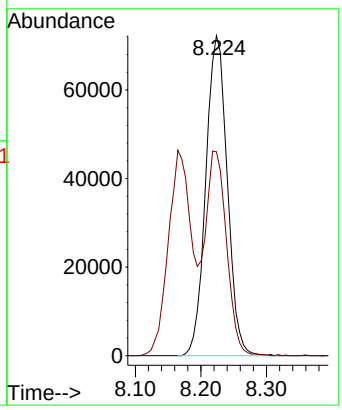


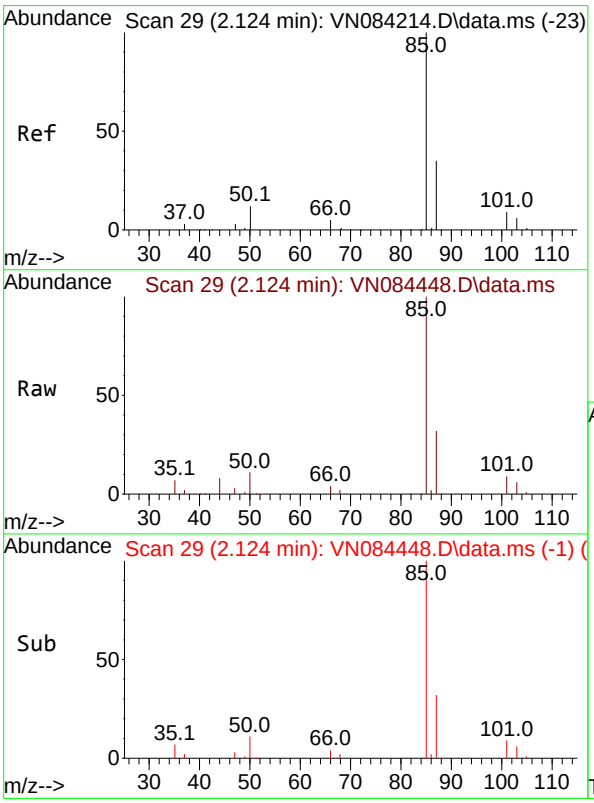
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 164267

Ion	Ratio	Lower	Upper
168	100		
99	63.4	54.2	81.2

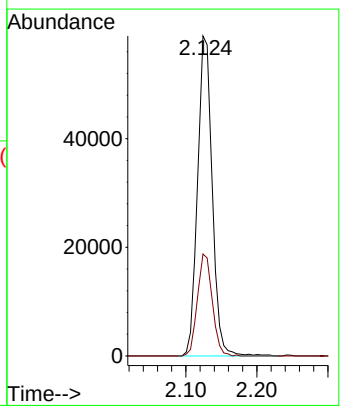


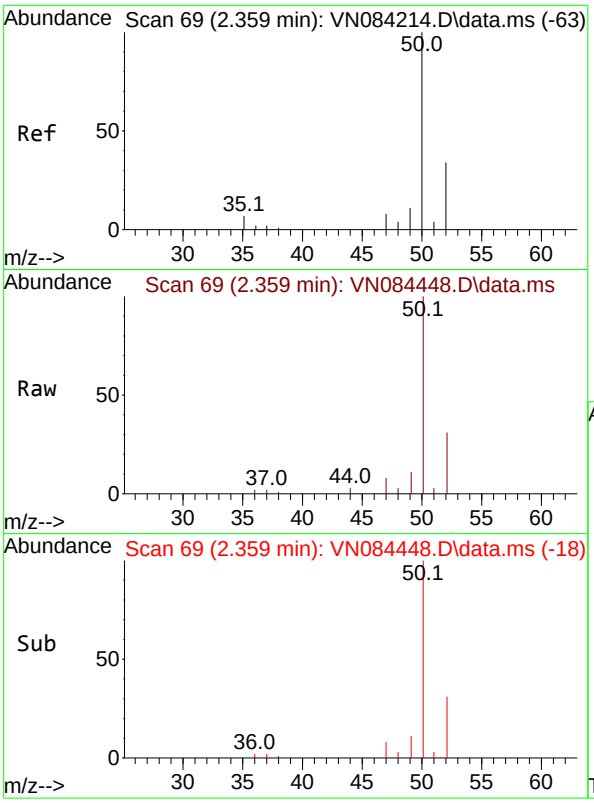


#2
Dichlorodifluoromethane
Concen: 43.654 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 85 Resp: 84821

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9



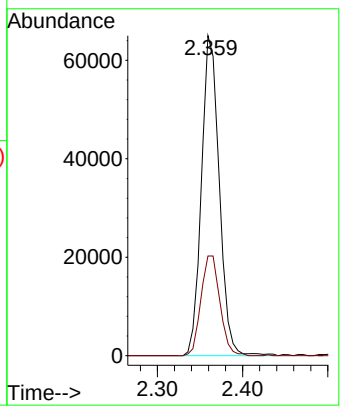


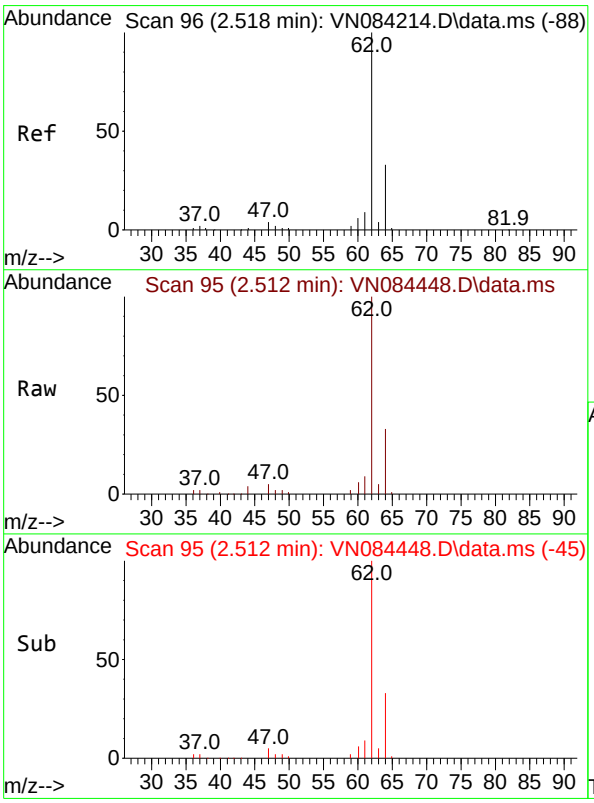
#3
Chloromethane
Concen: 42.550 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 94401

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.8	40.2

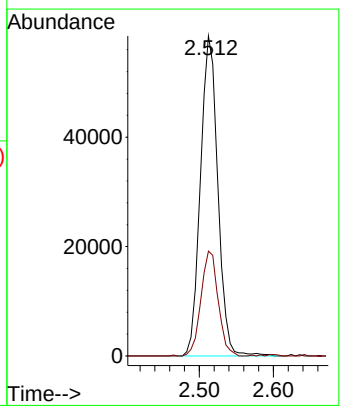


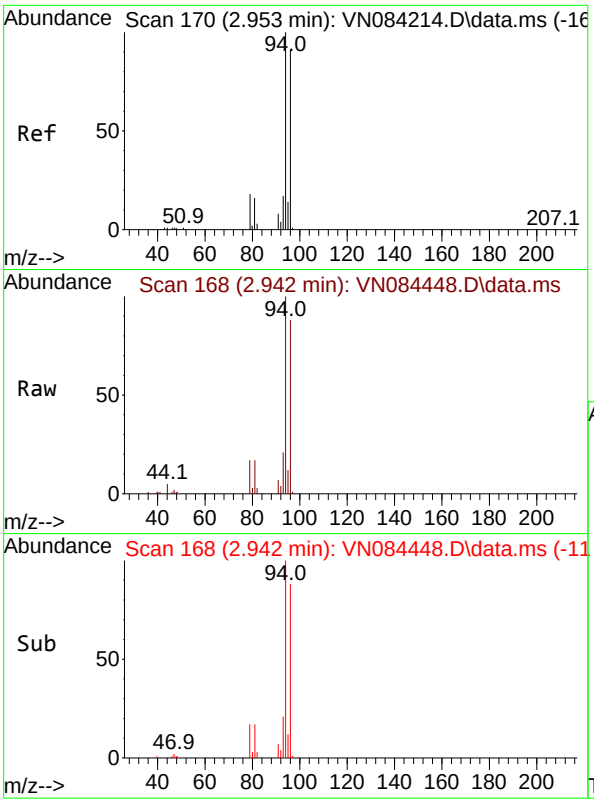


#4
Vinyl Chloride
Concen: 44.316 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 62 Resp: 95237

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



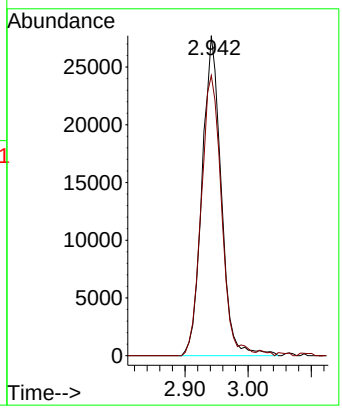


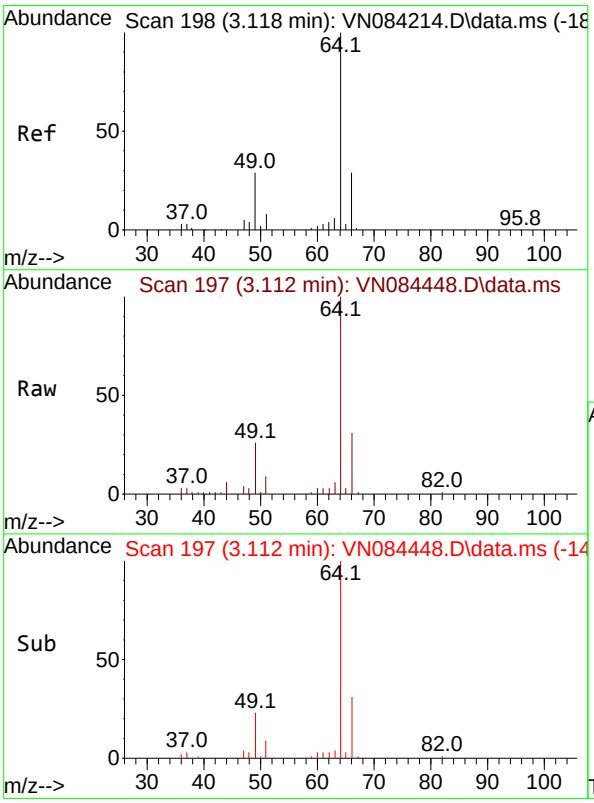
#5
Bromomethane
Concen: 41.035 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 58167

Ion	Ratio	Lower	Upper
94	100		
96	87.6	72.9	109.3

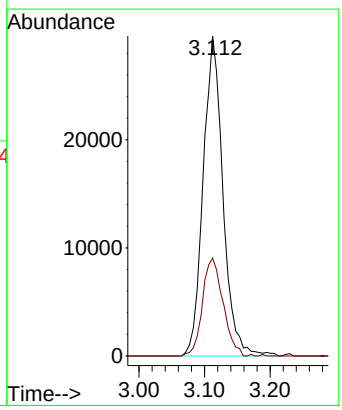


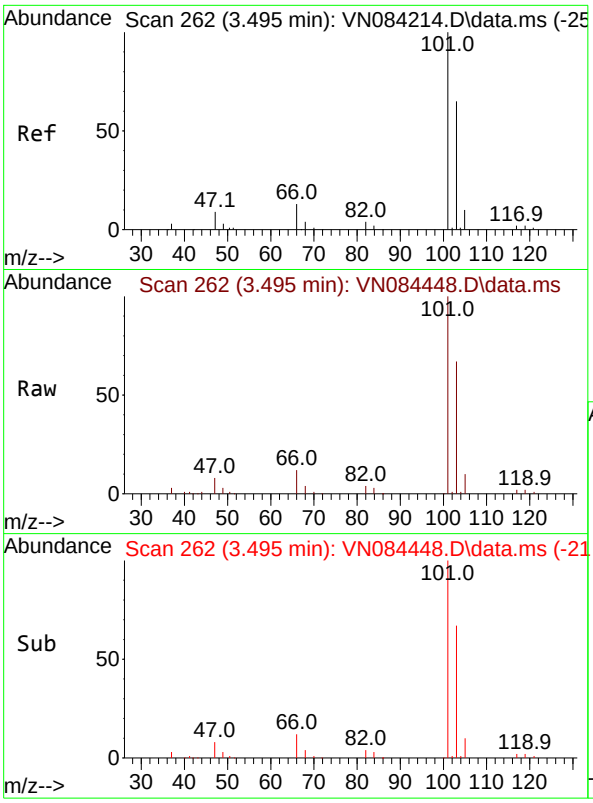


#6
Chloroethane
Concen: 40.462 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 64 Resp: 62275

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



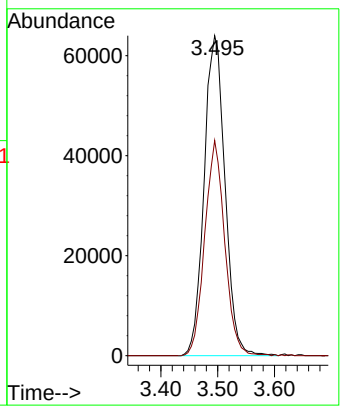


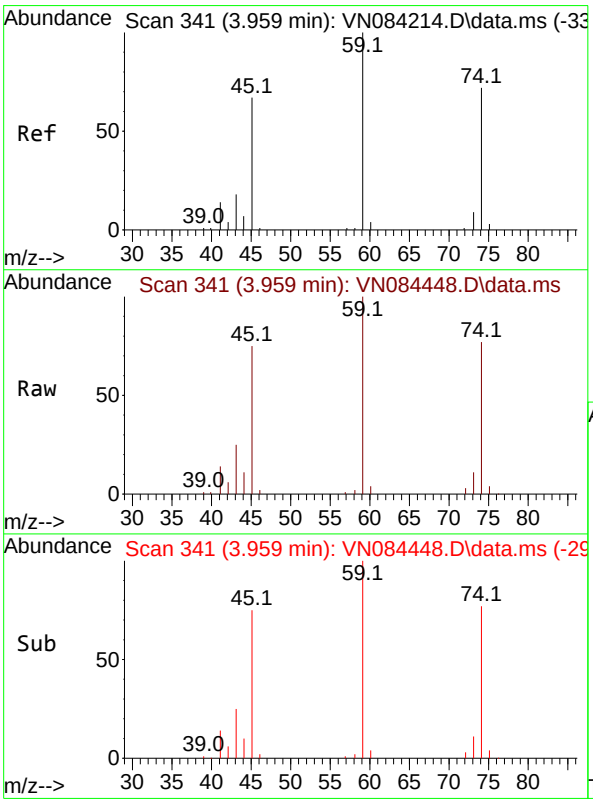
#7
Trichlorofluoromethane
Concen: 48.786 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 163261

Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.8	77.6

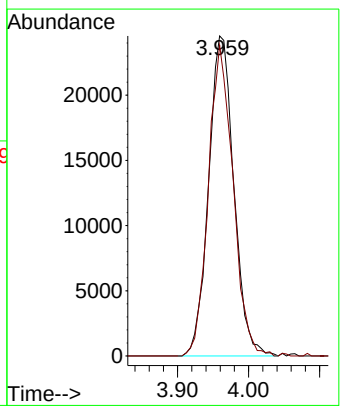


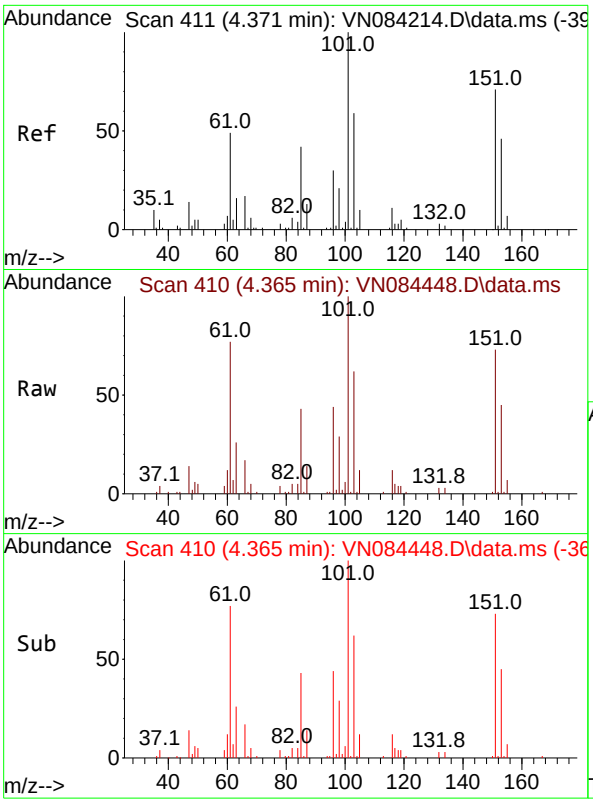


#8
Diethyl Ether
Concen: 48.772 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 74 Resp: 60533

Ion	Ratio	Lower	Upper
74	100		
45	94.9	47.7	143.1



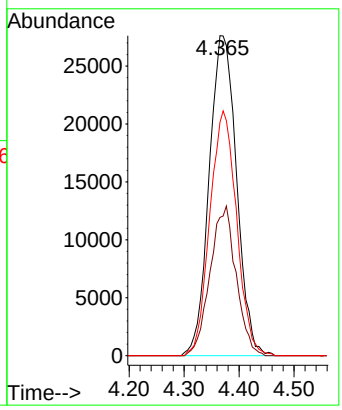


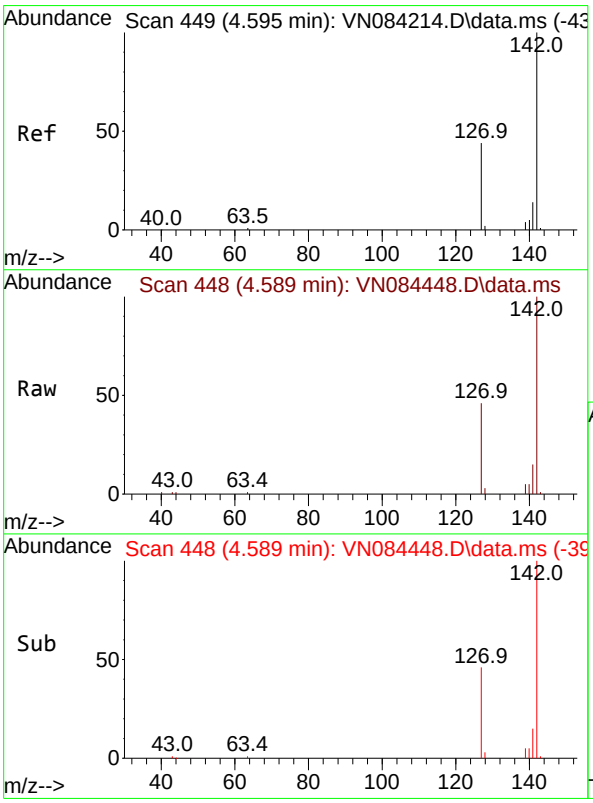
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.837 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 95561

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.8	59.3	88.9

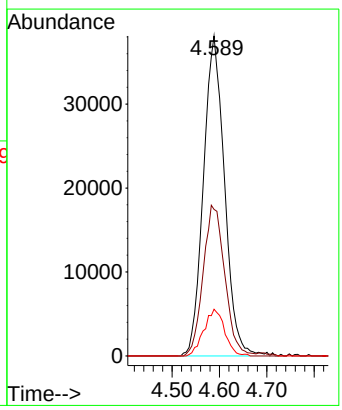


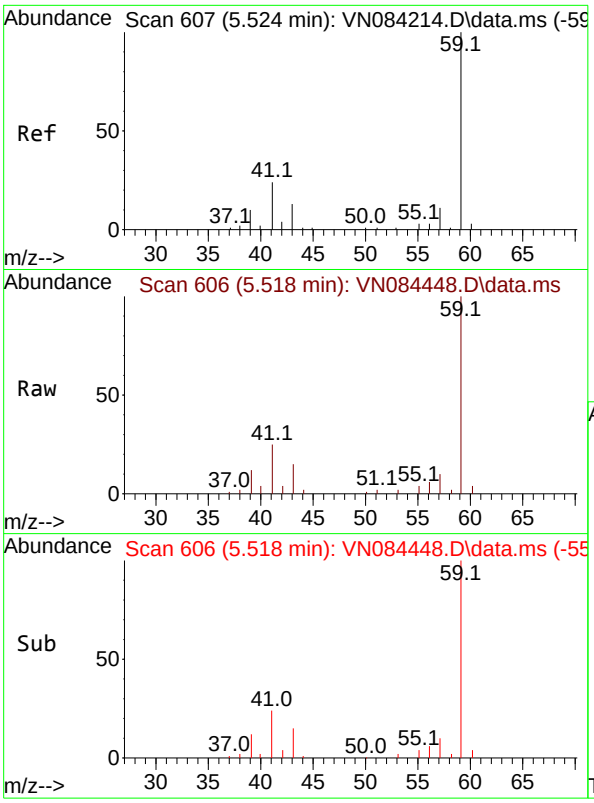


#10
Methyl Iodide
Concen: 47.834 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:142 Resp: 118118

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	14.6	11.0	16.6



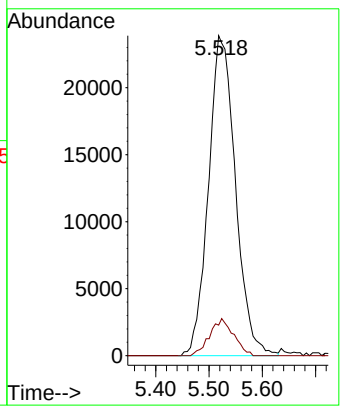


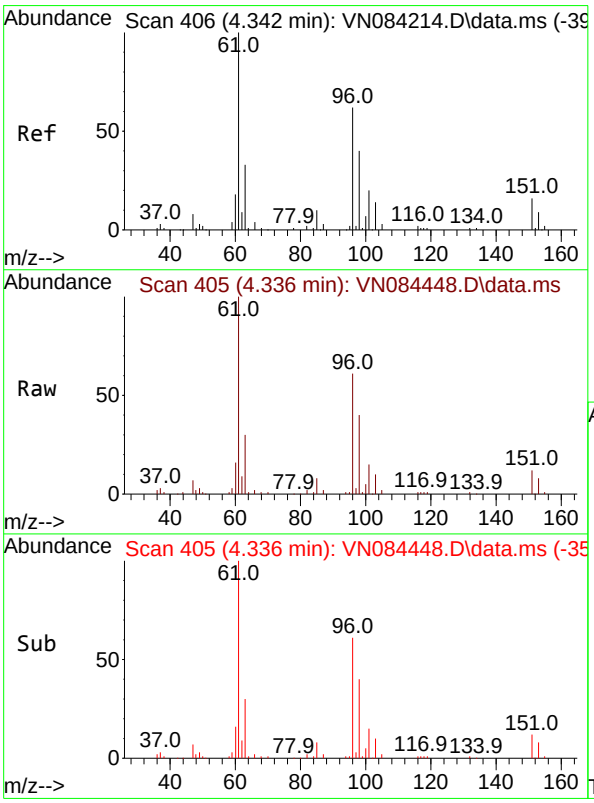
#11
Tert butyl alcohol
Concen: 209.300 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 84056

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

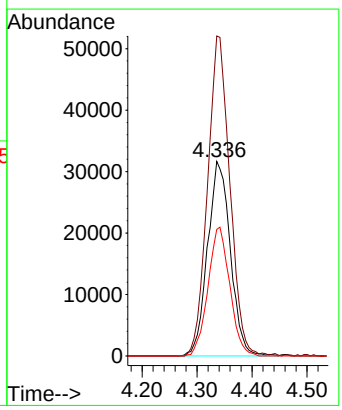


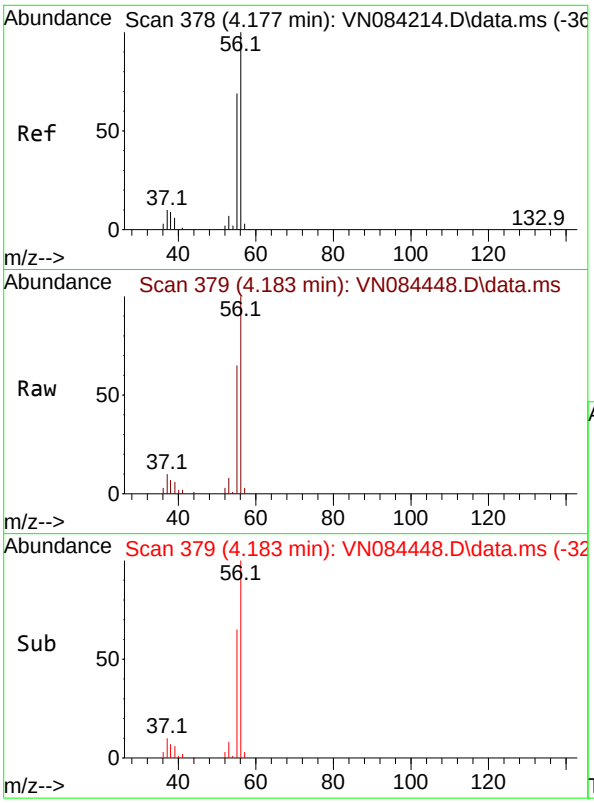


#12
1,1-Dichloroethene
Concen: 49.352 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 96 Resp: 91278

Ion	Ratio	Lower	Upper
96	100		
61	164.5	128.6	192.8
98	65.0	51.7	77.5



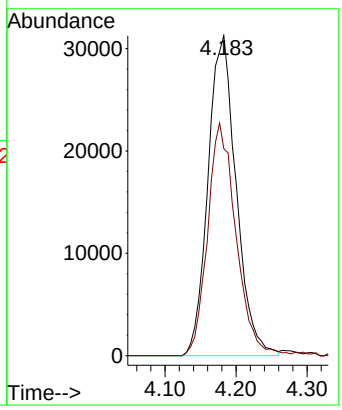


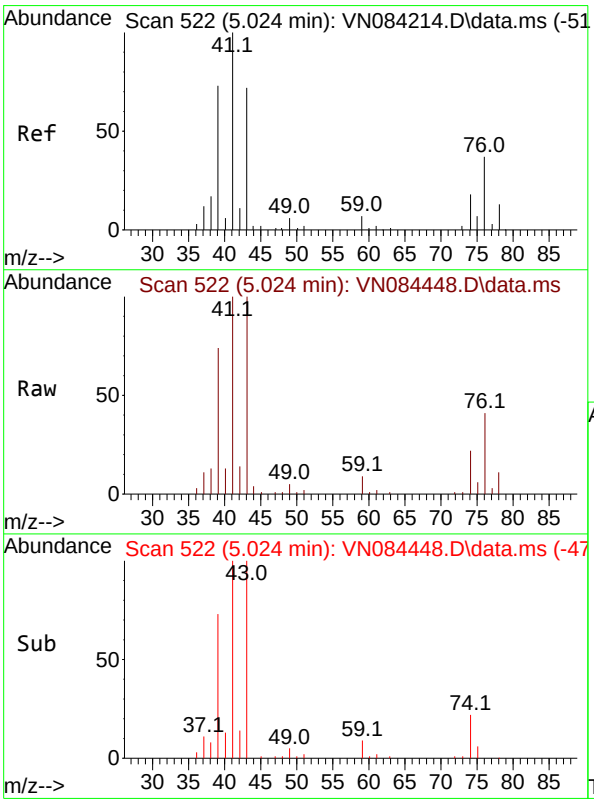
#13
Acrolein
Concen: 186.809 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 86128

Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.2	85.8

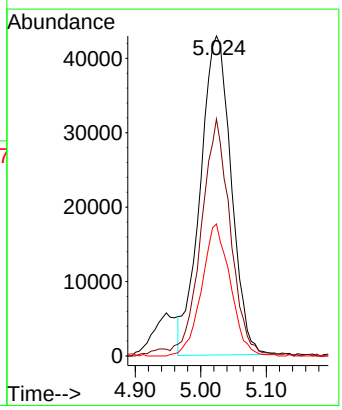


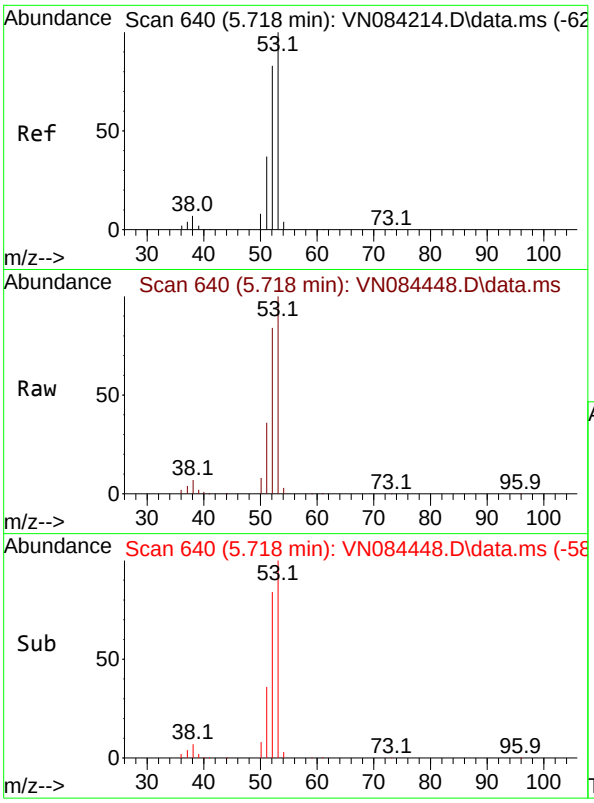


#14
Allyl chloride
Concen: 43.772 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 41 Resp: 140602

Ion	Ratio	Lower	Upper
41	100		
39	71.5	59.0	88.6
76	38.3	29.8	44.6



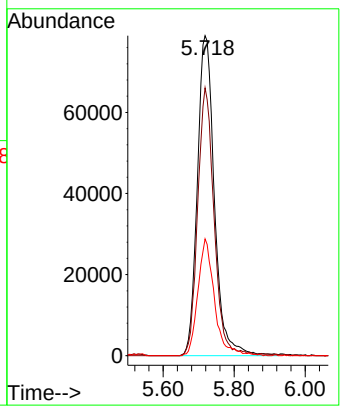


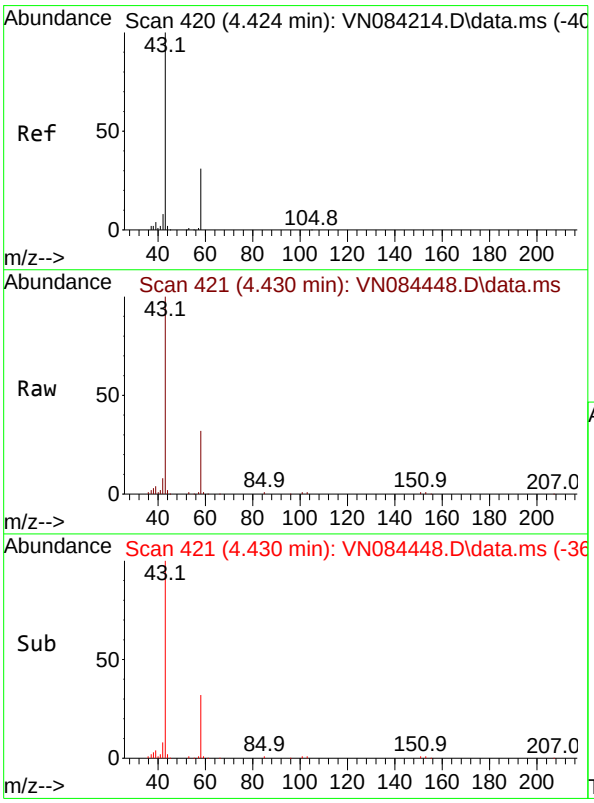
#15
Acrylonitrile
Concen: 261.006 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 264703

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	35.5	28.8	43.2

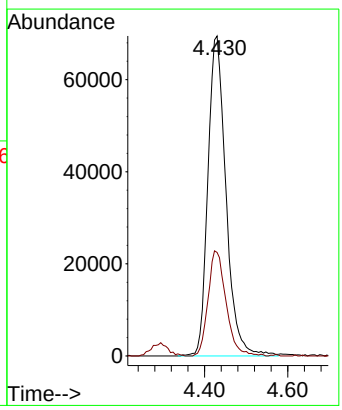


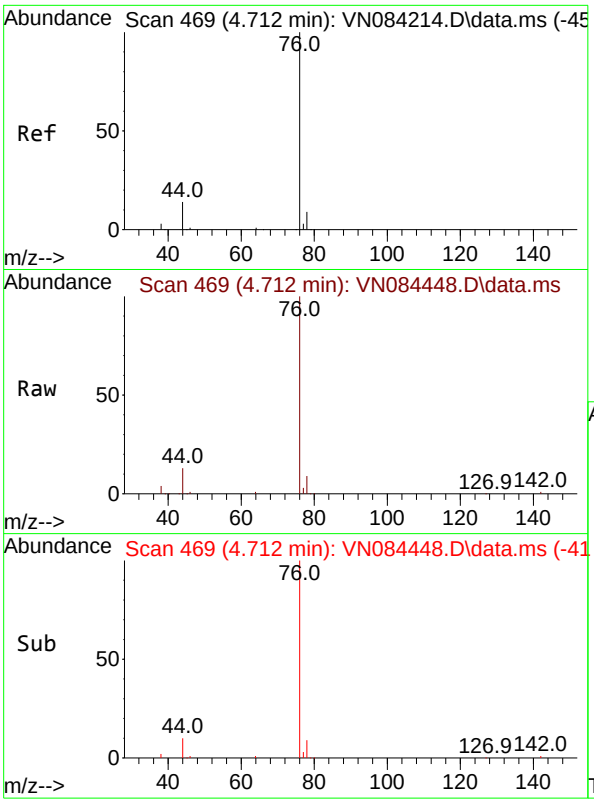


#16
Acetone
Concen: 200.235 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 209499

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.4	36.6



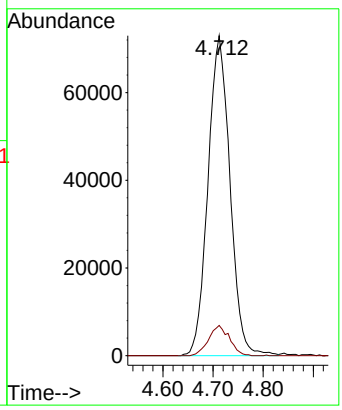


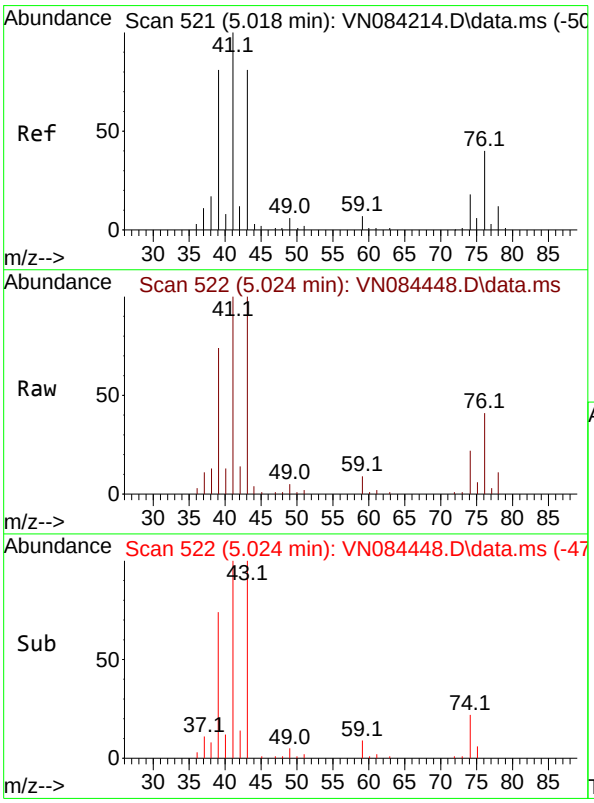
#17
Carbon Disulfide
Concen: 37.994 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 222486

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

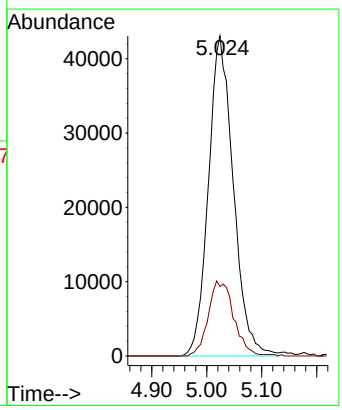


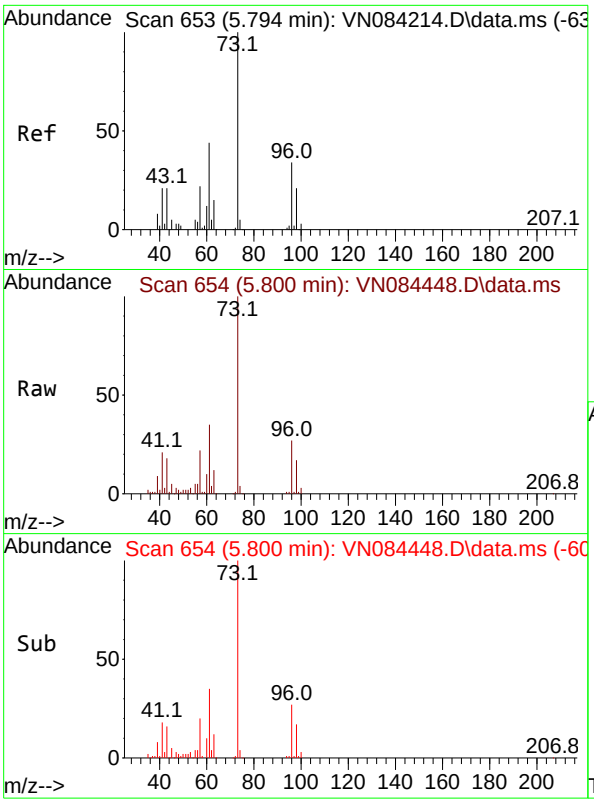


#18
Methyl Acetate
Concen: 59.505 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 135697

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



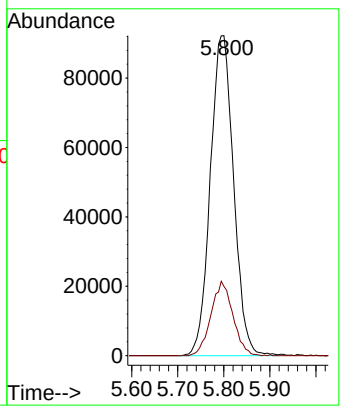


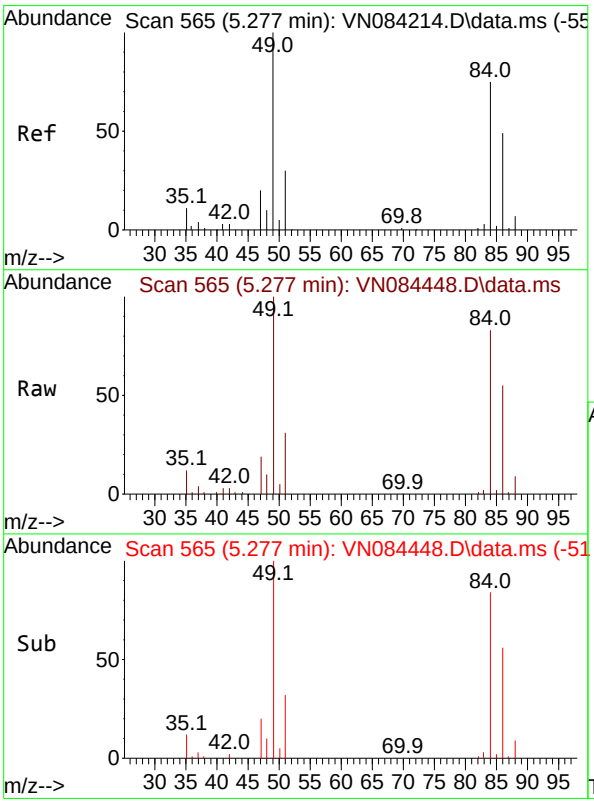
#19
Methyl tert-butyl Ether
Concen: 51.897 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 323965

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

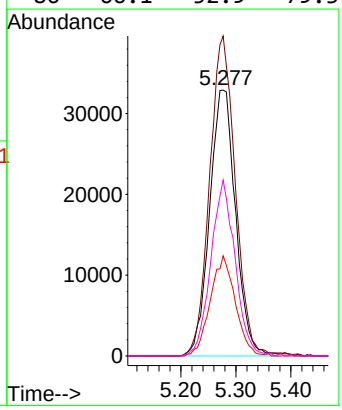


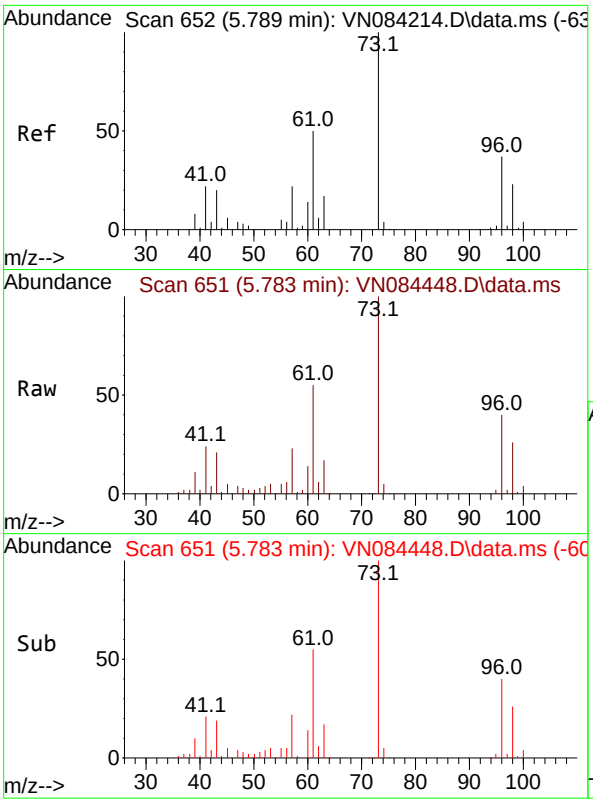


#20
Methylene Chloride
Concen: 50.844 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 84 Resp: 108136

Ion	Ratio	Lower	Upper
84	100		
49	120.3	107.2	160.8
51	37.7	31.8	47.8
86	66.1	52.9	79.3



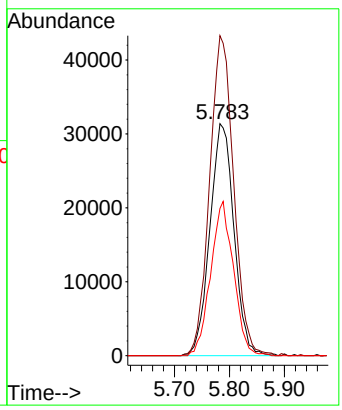


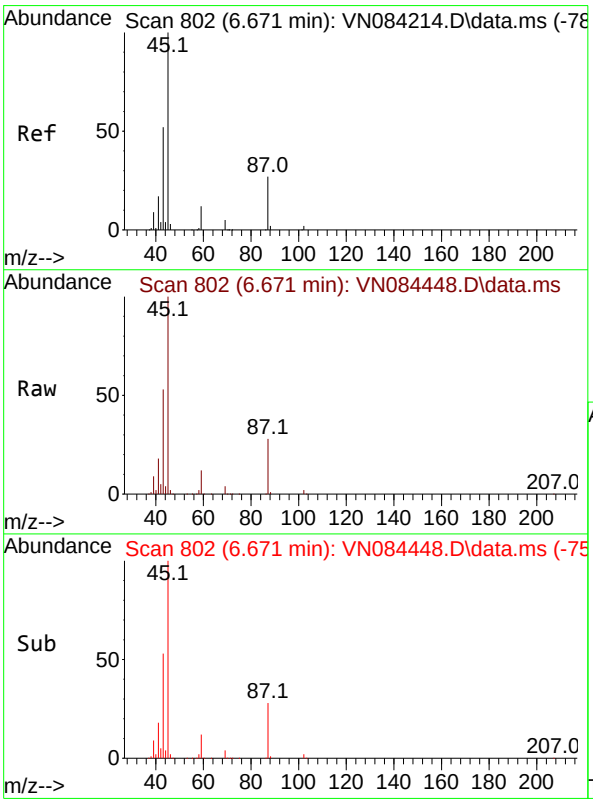
#21
trans-1,2-Dichloroethene
Concen: 49.315 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 95558

Ion	Ratio	Lower	Upper
96	100		
61	138.0	108.4	162.6
98	63.5	49.8	74.8

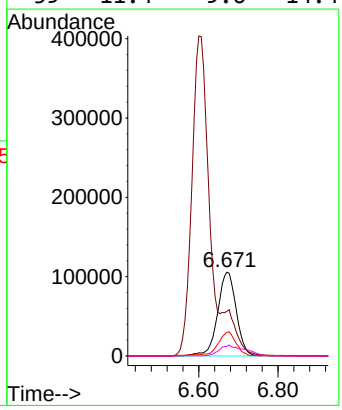


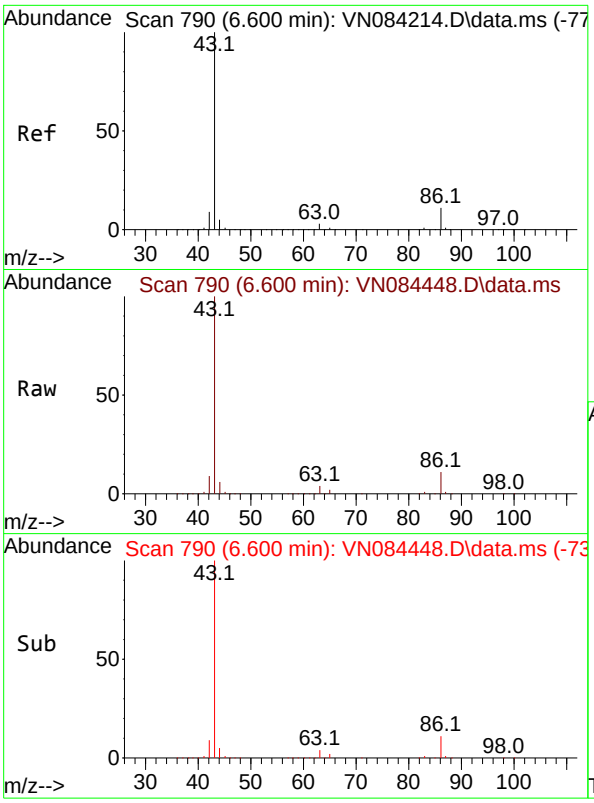


#22
Diisopropyl ether
Concen: 51.879 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 45 Resp: 344689

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	28.0	21.8	32.6
59	11.4	9.6	14.4



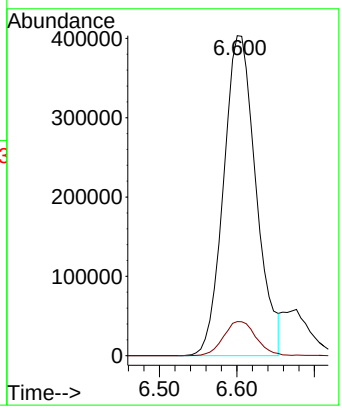


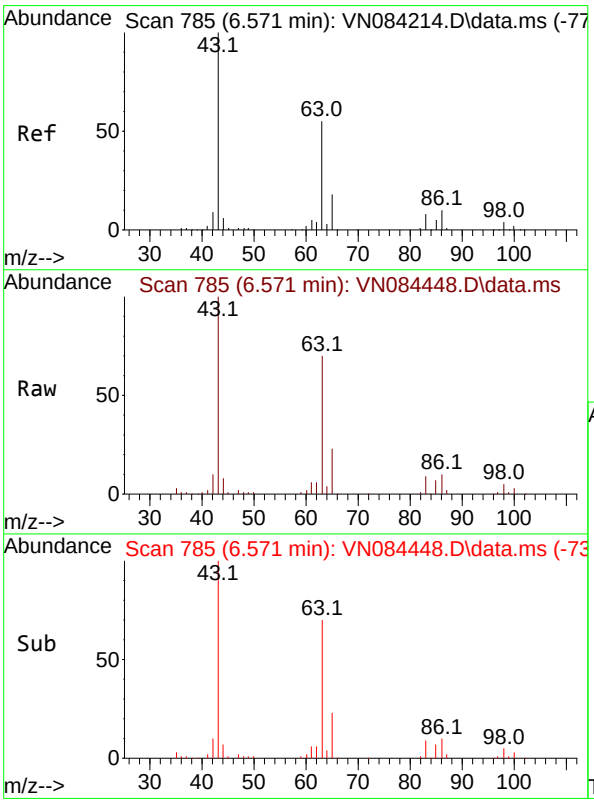
#23
Vinyl Acetate
Concen: 238.618 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1175888

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

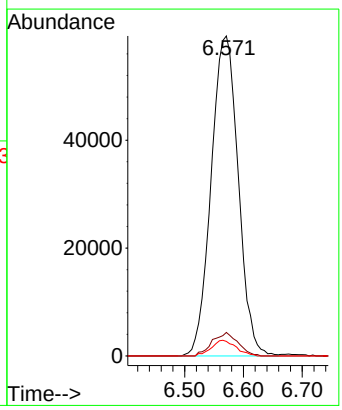


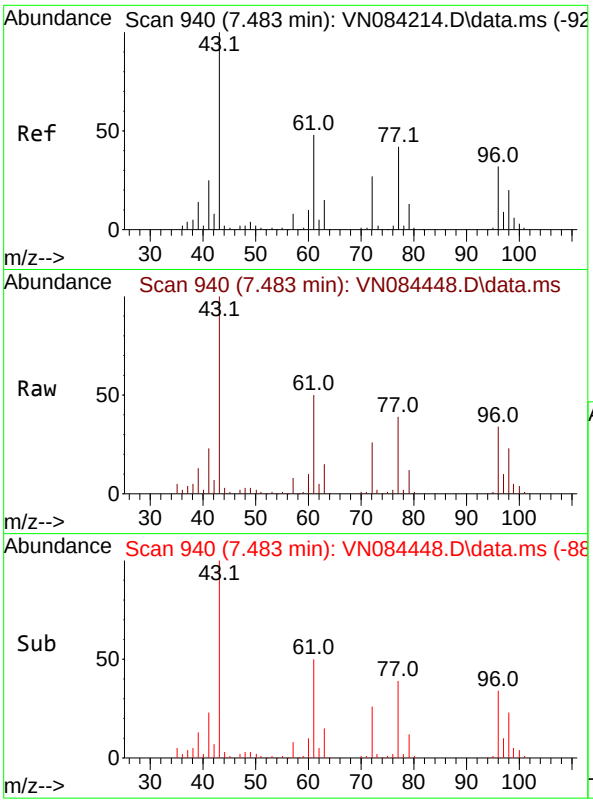


#24
1,1-Dichloroethane
Concen: 51.145 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 63 Resp: 190033

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.5	2.0	5.8



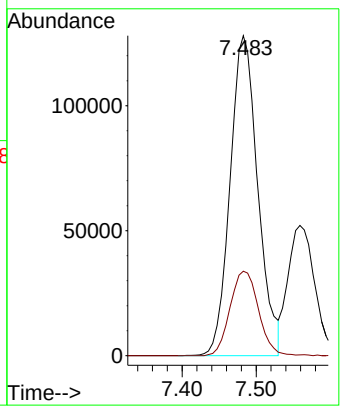


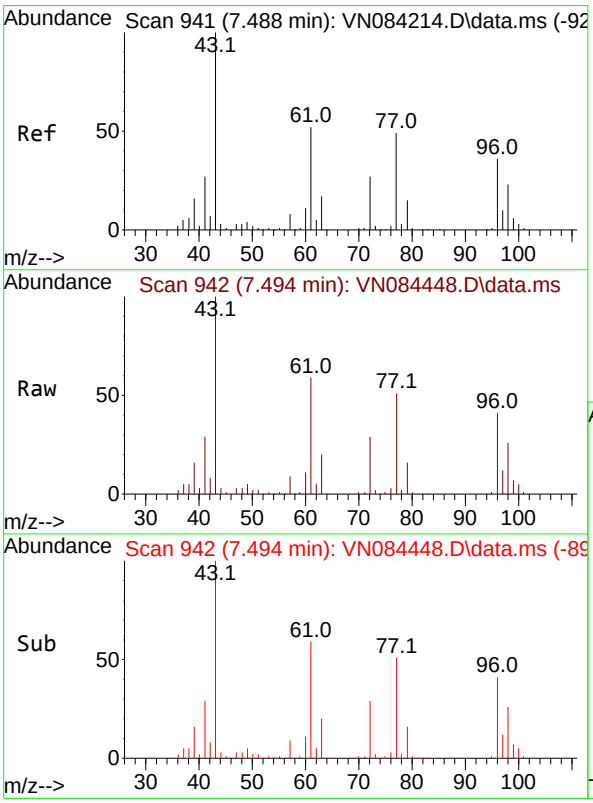
#25
2-Butanone
Concen: 233.725 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 333066

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

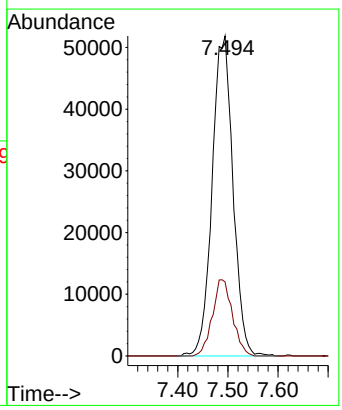


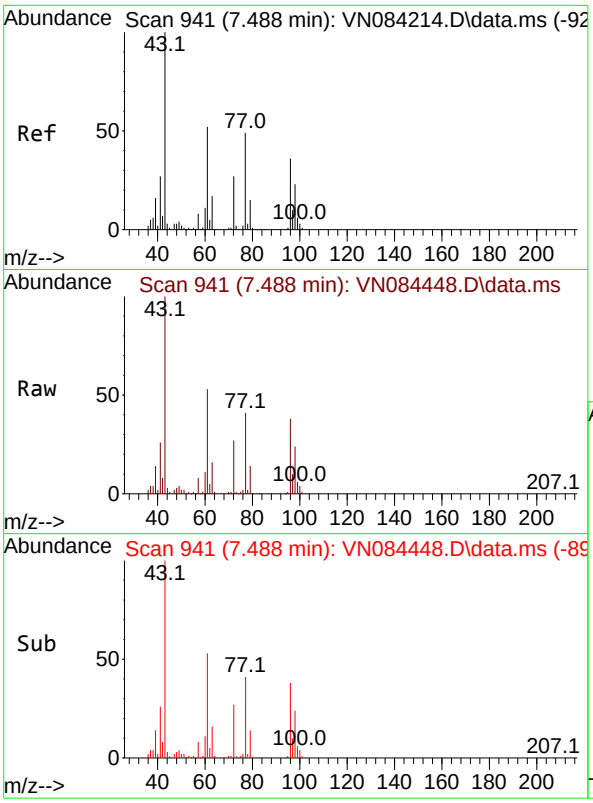


#26
2,2-Dichloropropane
Concen: 44.706 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 77 Resp: 149770

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.8	32.3



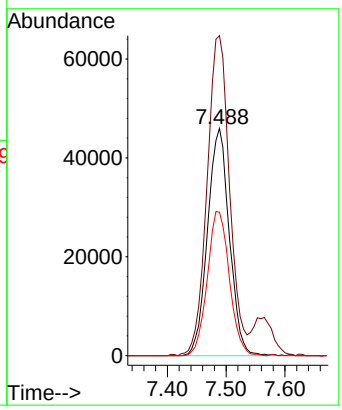


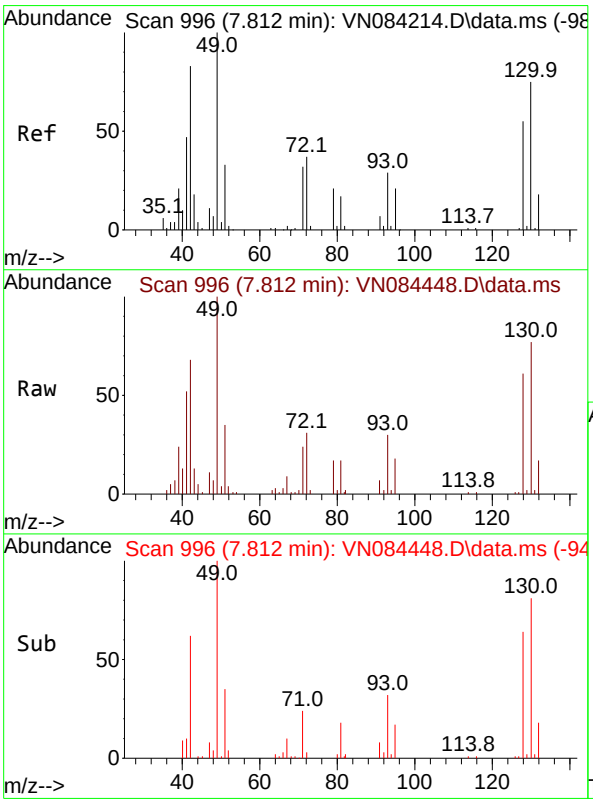
#27
cis-1,2-Dichloroethene
Concen: 50.655 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 118609

Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	301.8
98	64.1	0.0	128.2

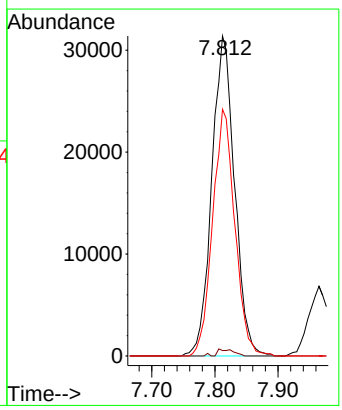


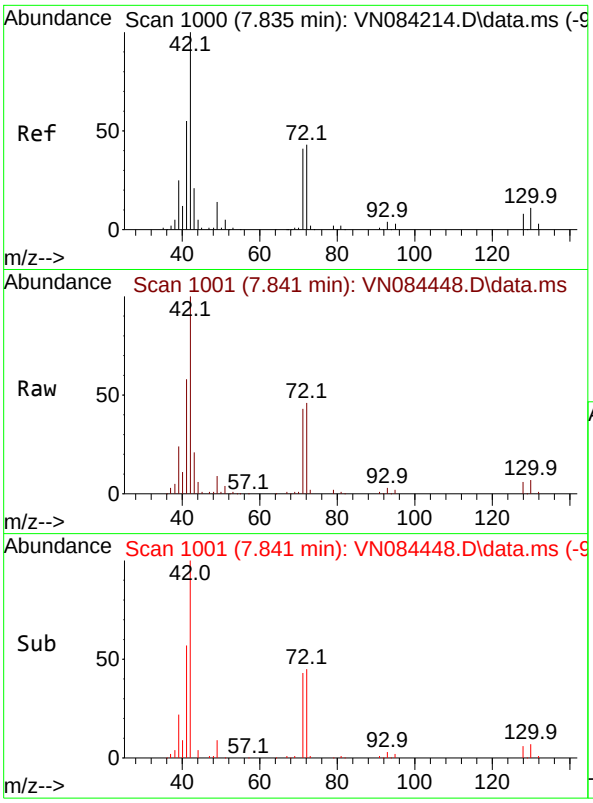


#28
Bromochloromethane
Concen: 47.474 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 49 Resp: 78703

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.1	58.0	87.0



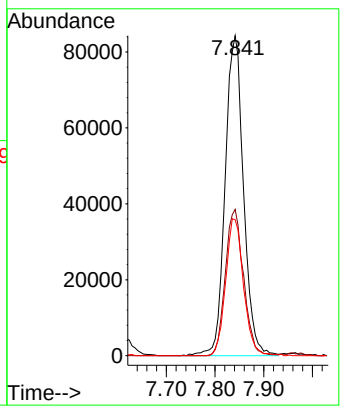


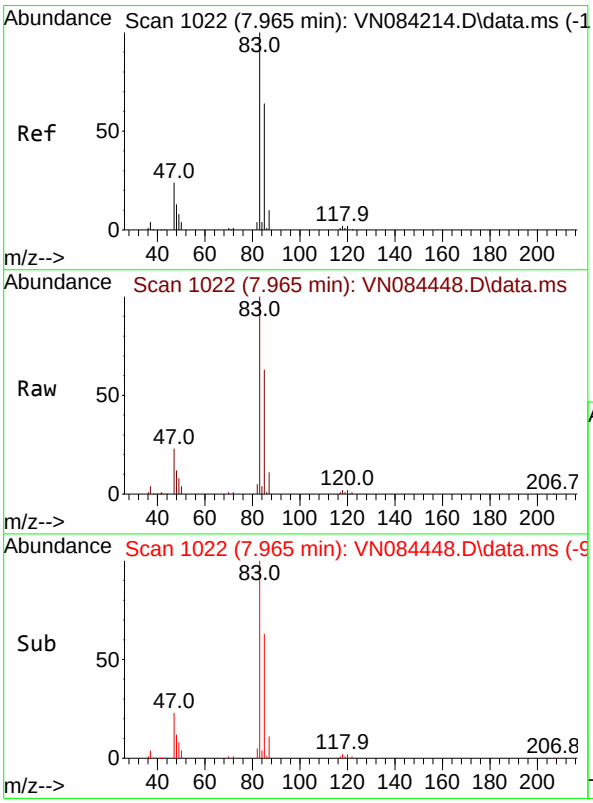
#29
Tetrahydrofuran
Concen: 251.461 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 221138

Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.6	51.8
71	41.7	32.2	48.4

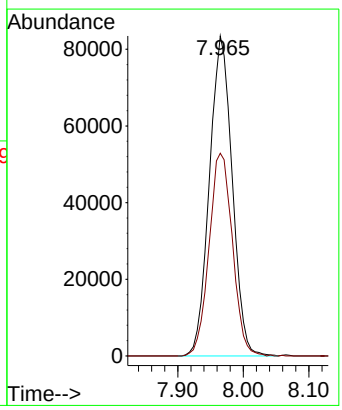


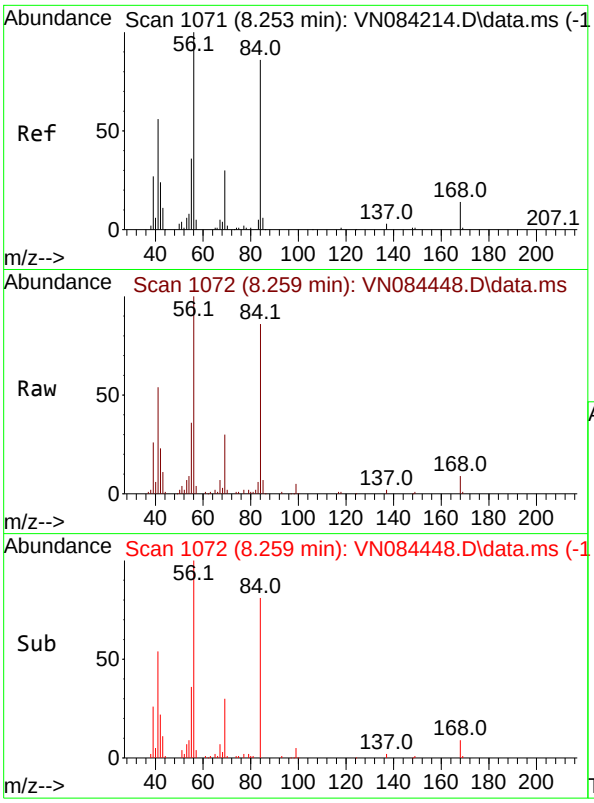


#30
Chloroform
Concen: 52.167 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 83 Resp: 201338

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



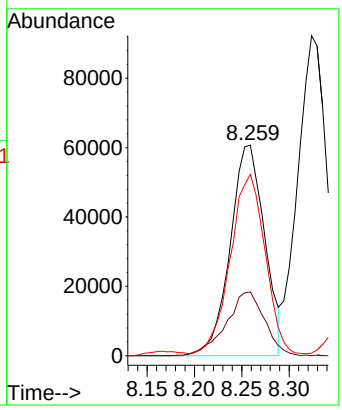


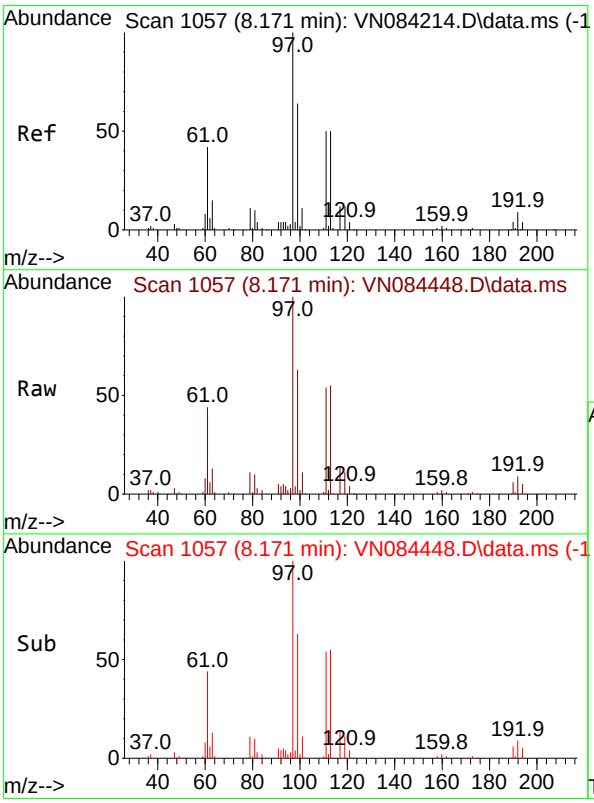
#31
Cyclohexane
Concen: 42.521 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 153399

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.6
84	84.5	68.8	103.2

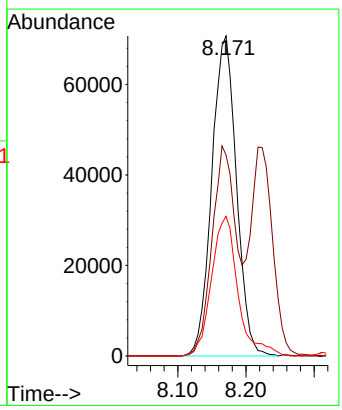


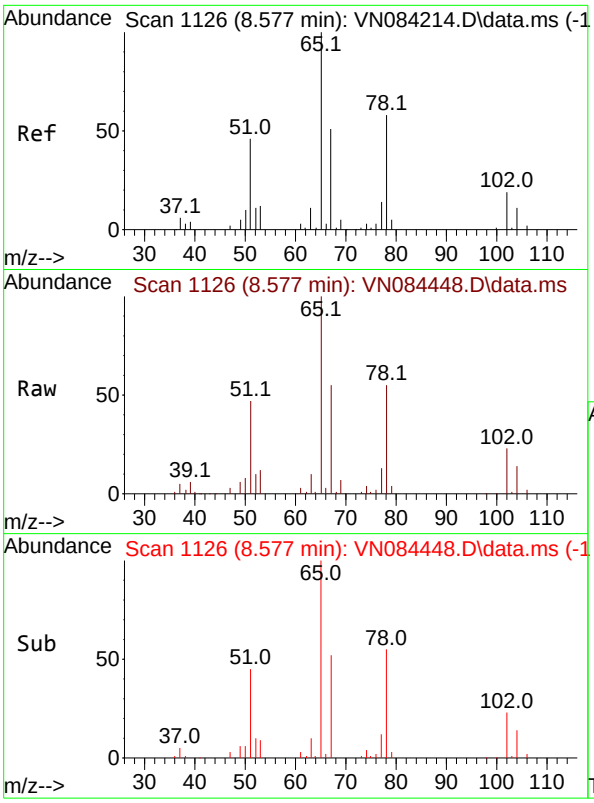


#32
1,1,1-Trichloroethane
Concen: 51.300 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 97 Resp: 177818

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	46.9	37.5	56.3



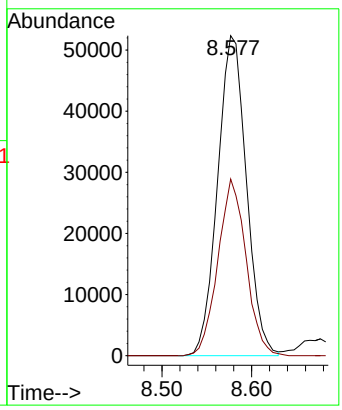


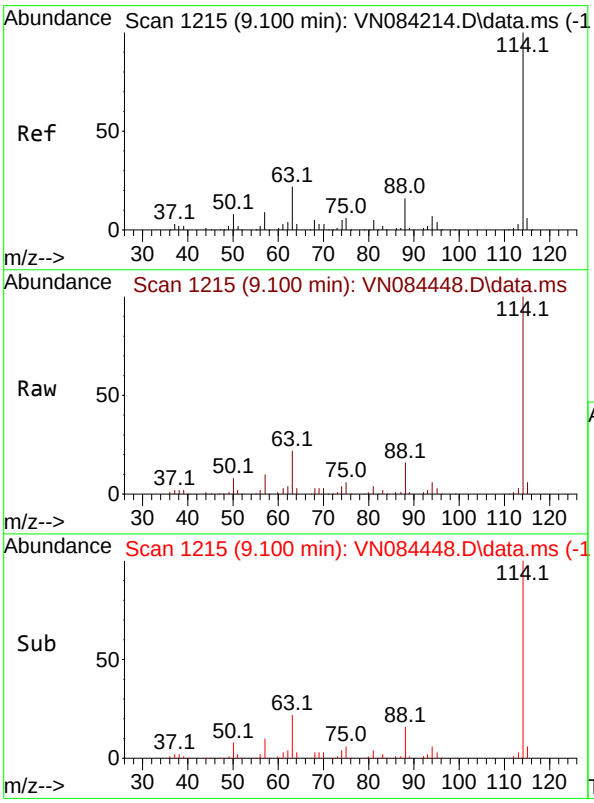
#33
1,2-Dichloroethane-d4
Concen: 47.911 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 116690

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	102.0

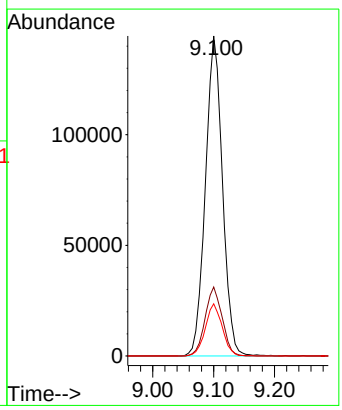


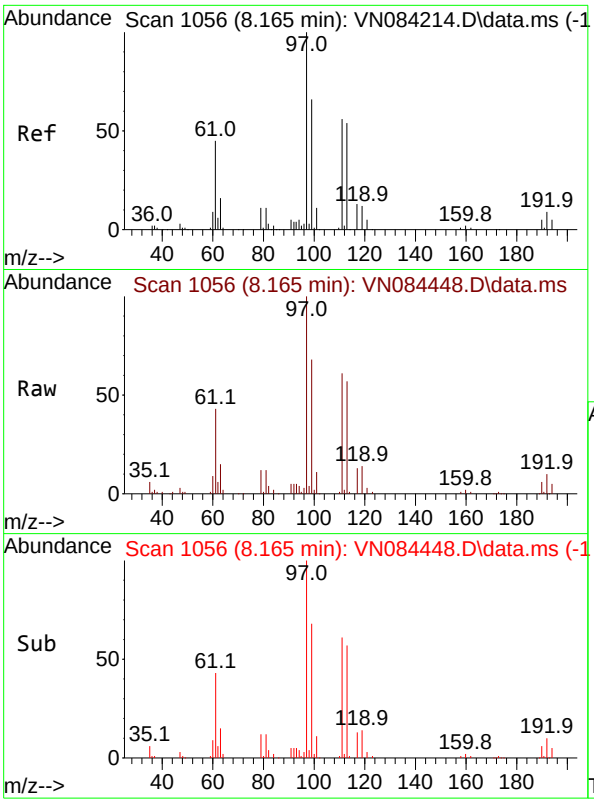


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:114 Resp: 281823

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	16.3	0.0	31.6



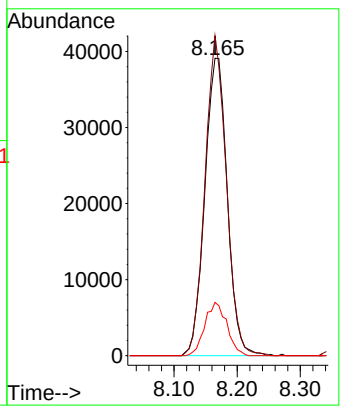


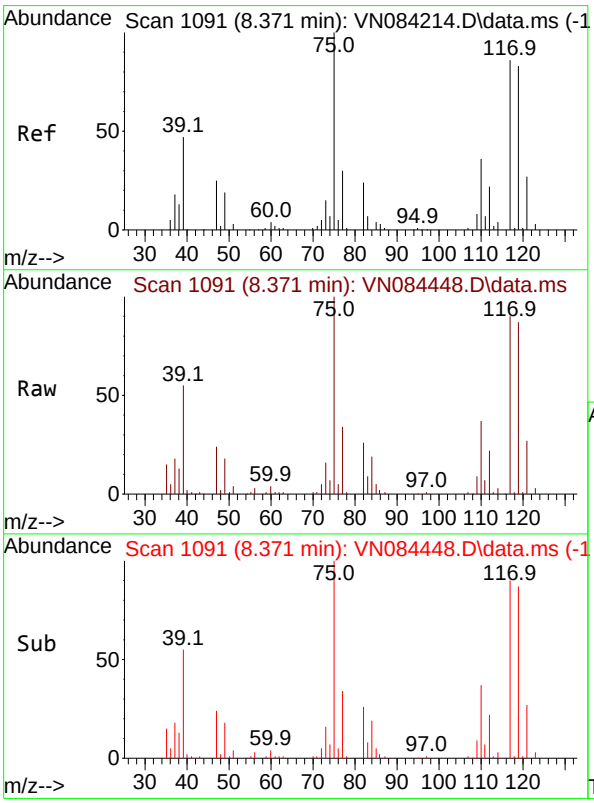
#35
Dibromofluoromethane
Concen: 52.045 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 96698

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.3	124.9
192	17.6	13.5	20.3

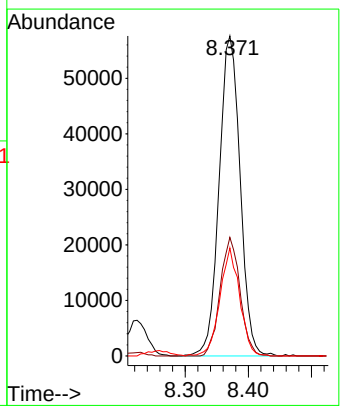


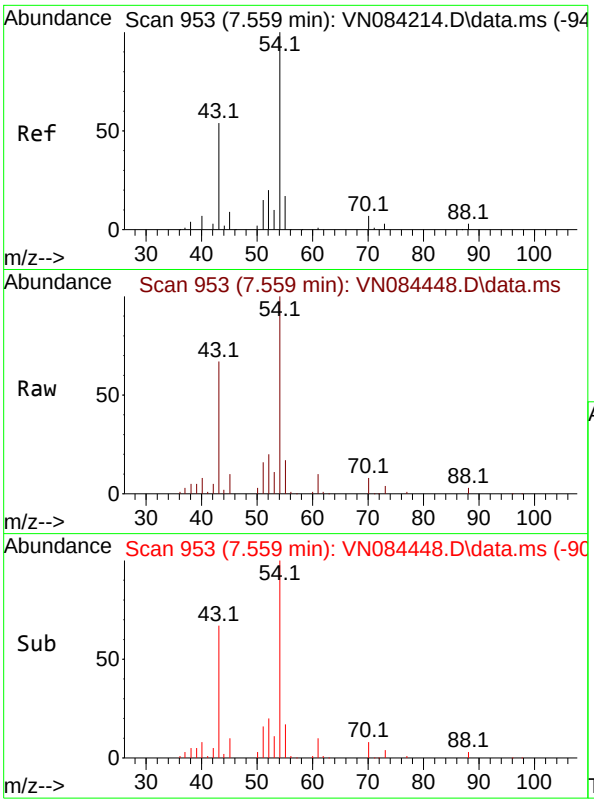


#36
1,1-Dichloropropene
Concen: 49.312 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 133081

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.9	50.7
77	31.9	24.7	37.1



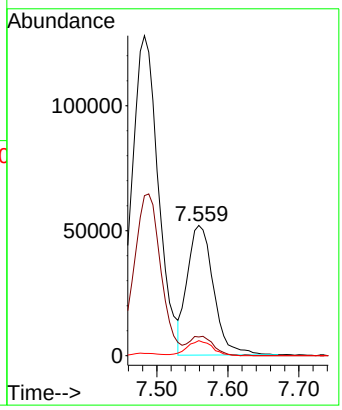


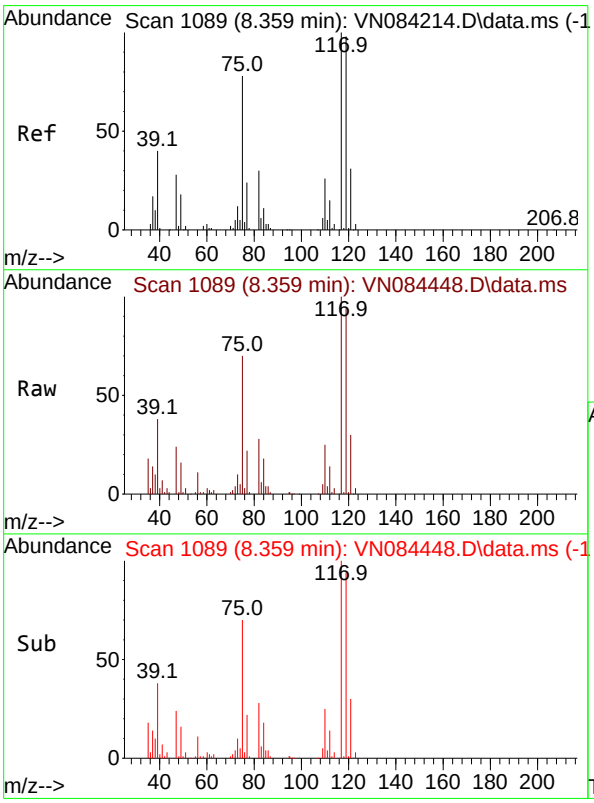
#37
Ethyl Acetate
Concen: 48.082 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 133124

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.1	8.8	13.2

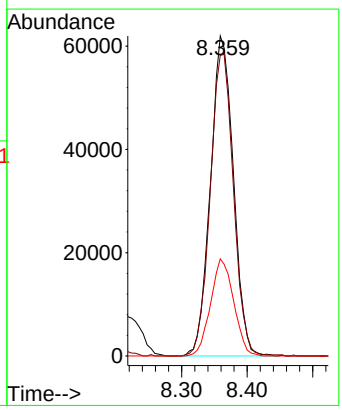


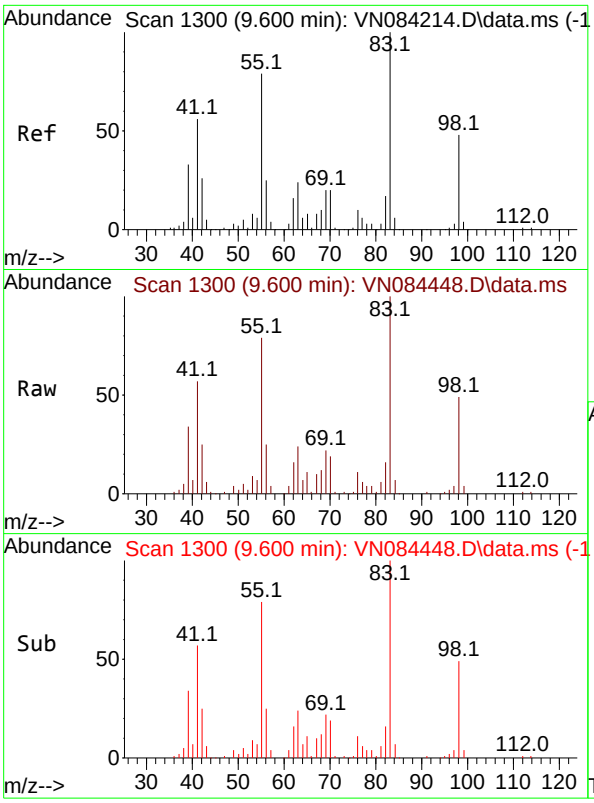


#38
Carbon Tetrachloride
Concen: 50.818 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:117 Resp: 150440

Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.7	118.1
121	30.4	24.4	36.6



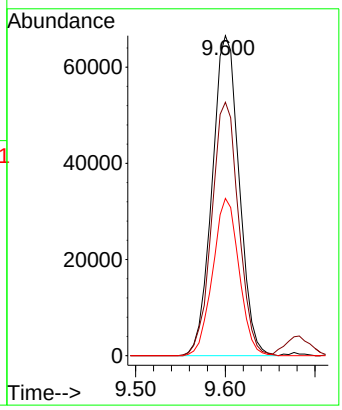


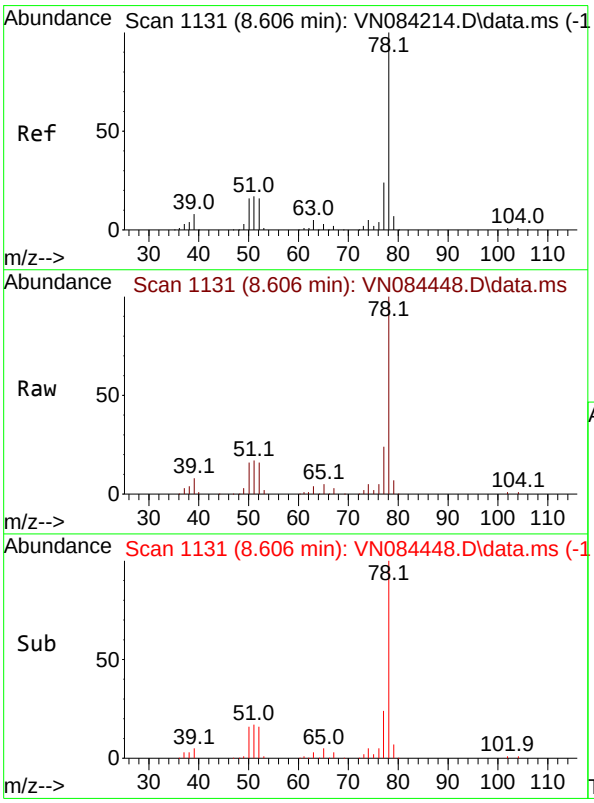
#39
Methylcyclohexane
Concen: 46.254 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 138930

Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.8	94.2
98	49.1	38.8	58.2

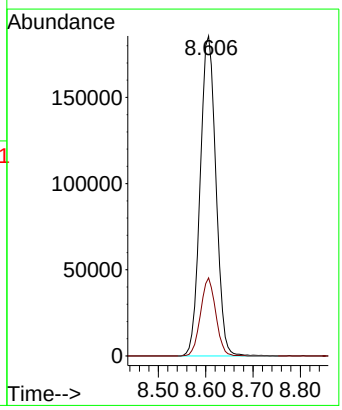


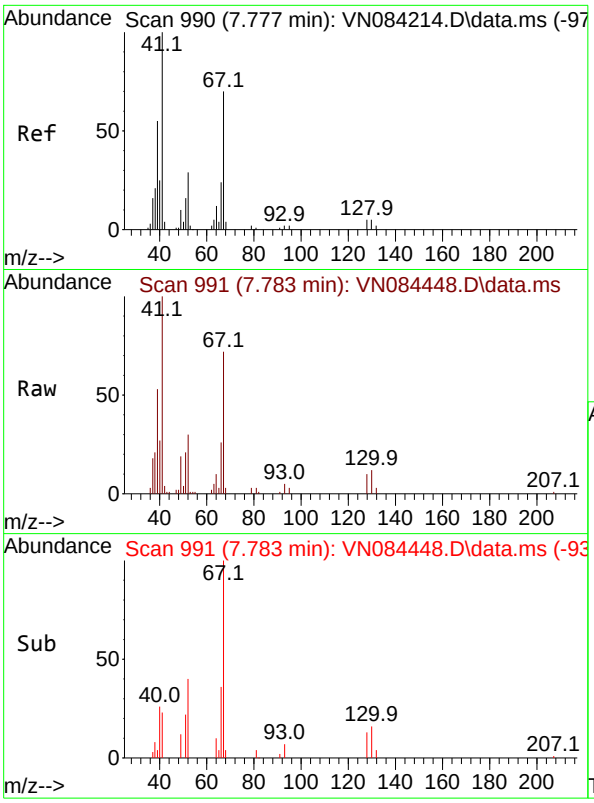


#40
Benzene
Concen: 50.941 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 78 Resp: 428332

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7



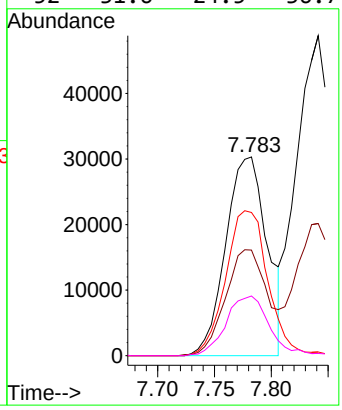


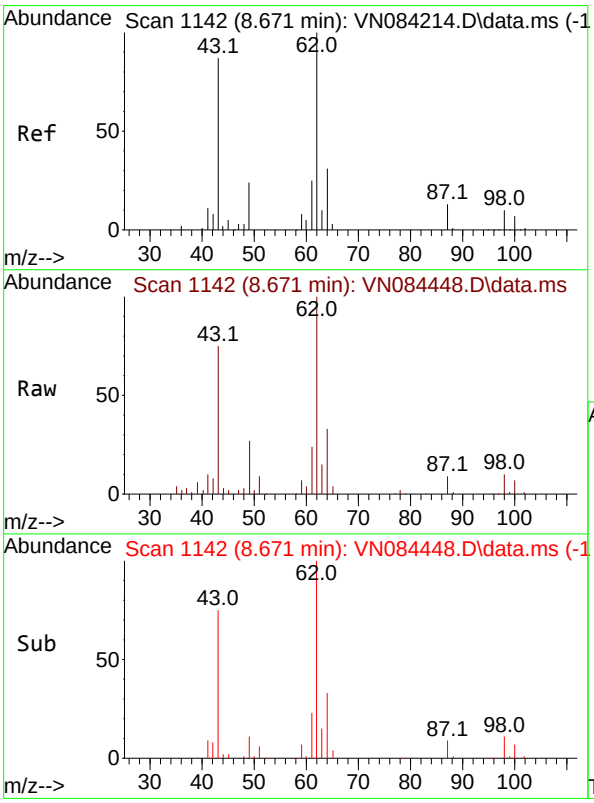
#41
Methacrylonitrile
Concen: 51.187 ug/l
RT: 7.783 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 76939

Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	74.5	56.1	84.1
52	31.6	24.5	36.7

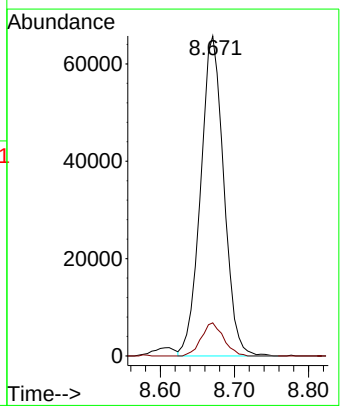


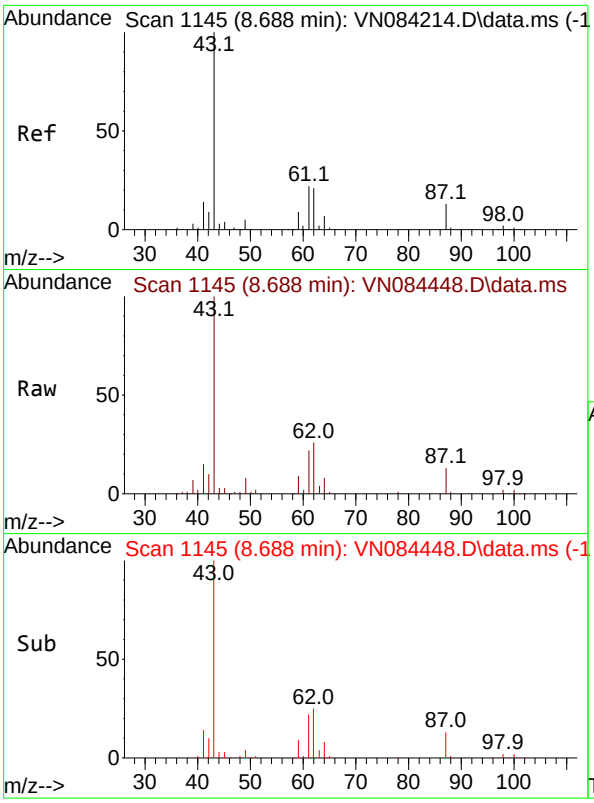


#42
1,2-Dichloroethane
Concen: 50.160 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 62 Resp: 142985

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.2



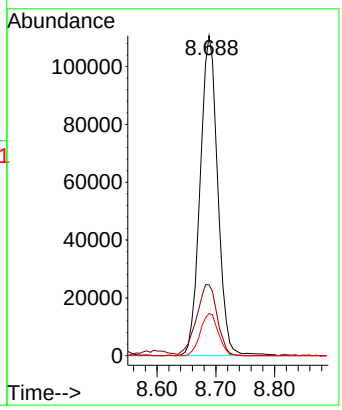


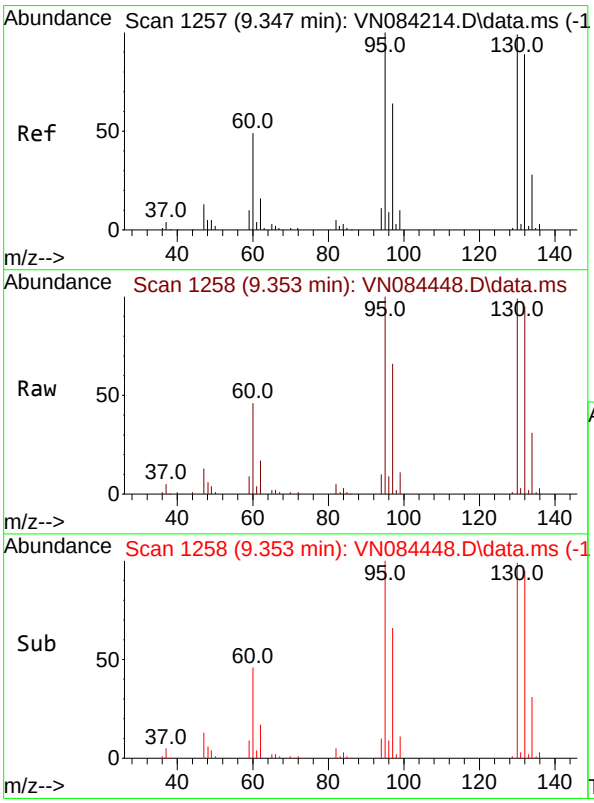
#43
Isopropyl Acetate
Concen: 42.408 ug/l
RT: 8.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 229980

Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.4	30.6
87	13.5	10.3	15.5

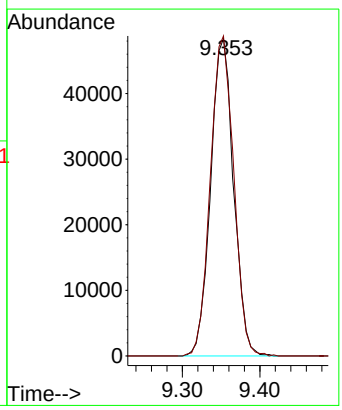


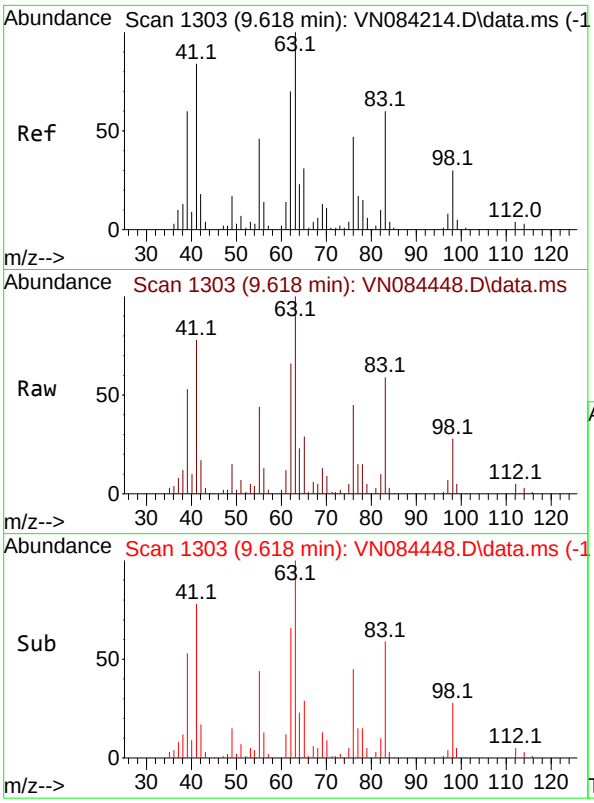


#44
Trichloroethene
Concen: 50.592 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:130 Resp: 99355

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0



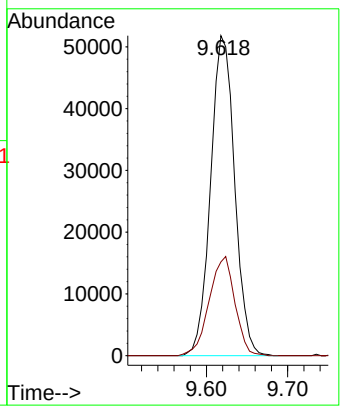


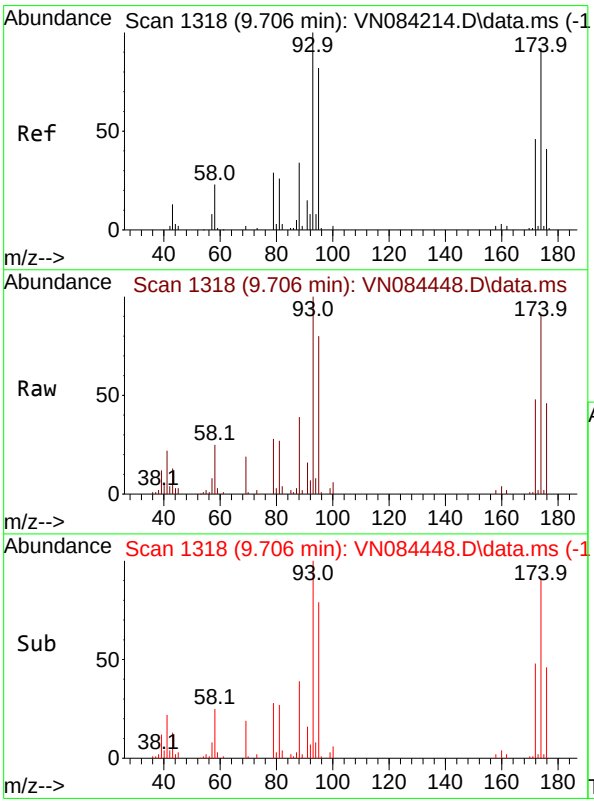
#45
1,2-Dichloropropane
Concen: 53.648 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 106710

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.6	37.0

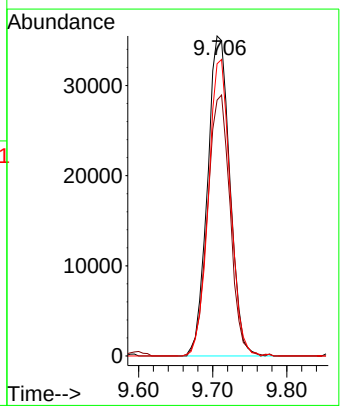


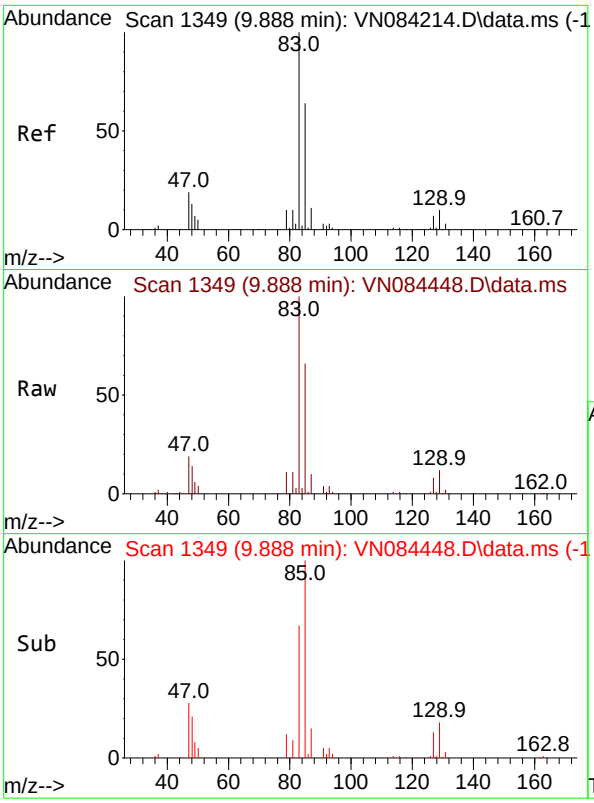


#46
Dibromomethane
Concen: 55.712 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 93 Resp: 74783

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.0	97.4
174	90.5	71.8	107.8



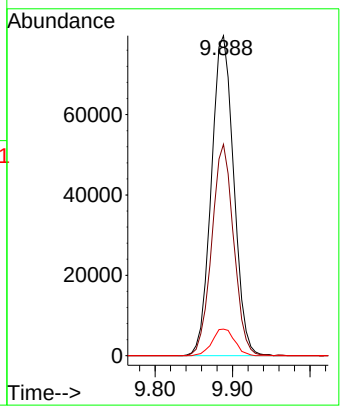


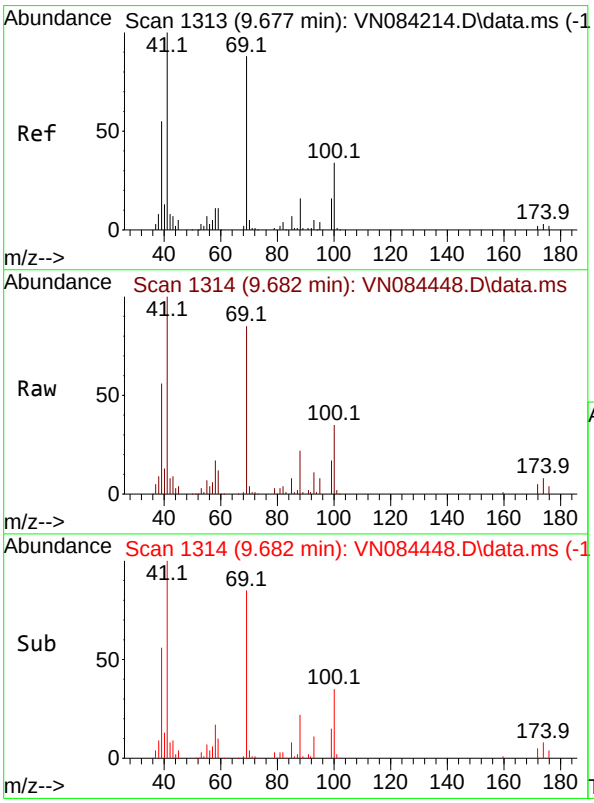
#47
Bromodichloromethane
Concen: 53.528 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 159633

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3
127	8.3	5.7	8.5

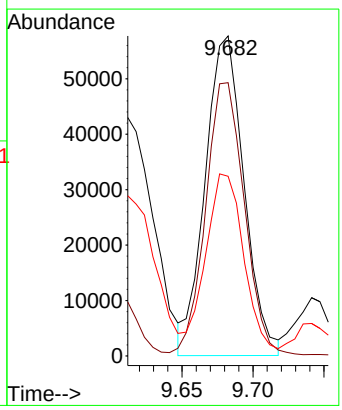


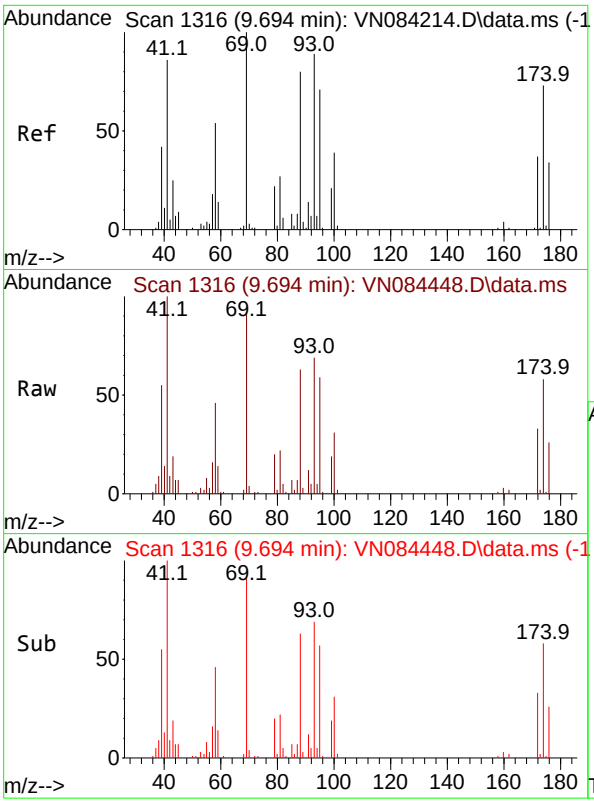


#48
Methyl methacrylate
Concen: 50.850 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 41 Resp: 109772

Ion	Ratio	Lower	Upper
41	100		
69	86.0	67.1	100.7
39	57.3	45.8	68.6



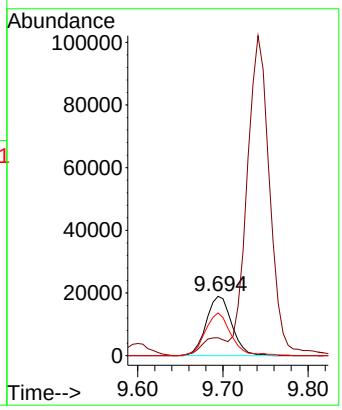


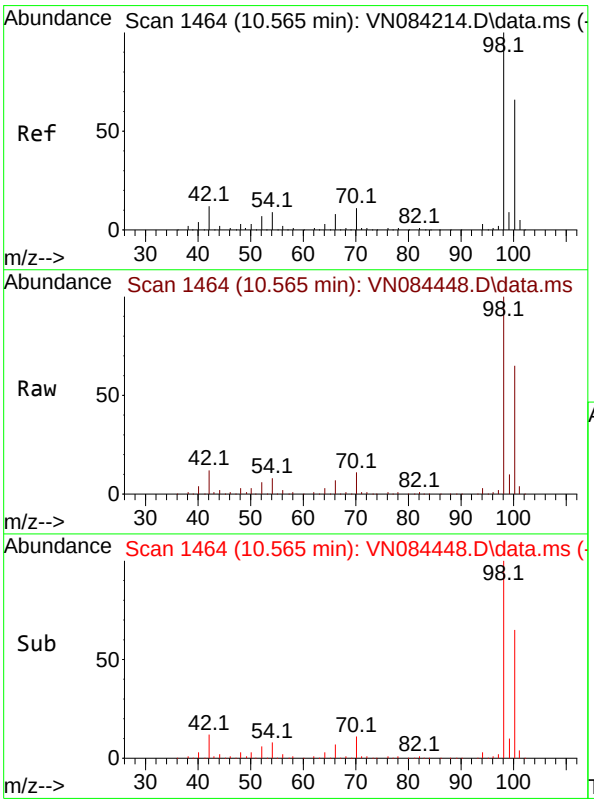
#49
1,4-Dioxane
Concen: 994.968 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 39543

Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	73.5	56.4	84.6

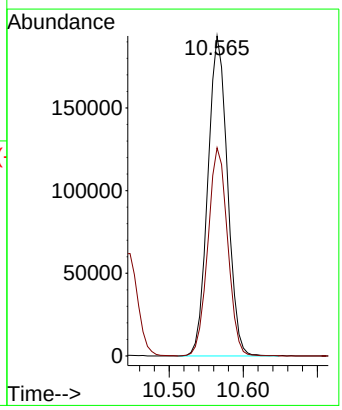


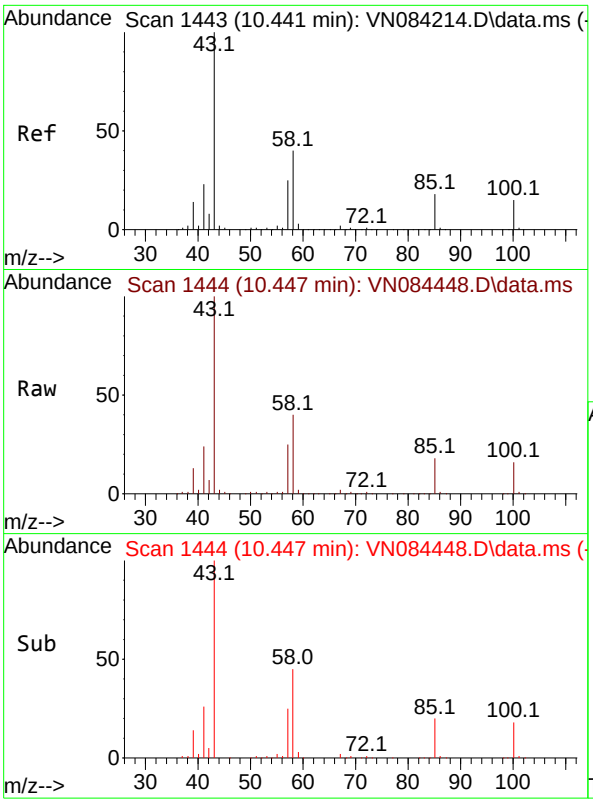


#50
Toluene-d8
Concen: 51.913 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 98 Resp: 354860

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



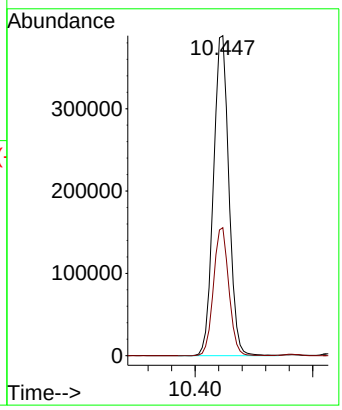


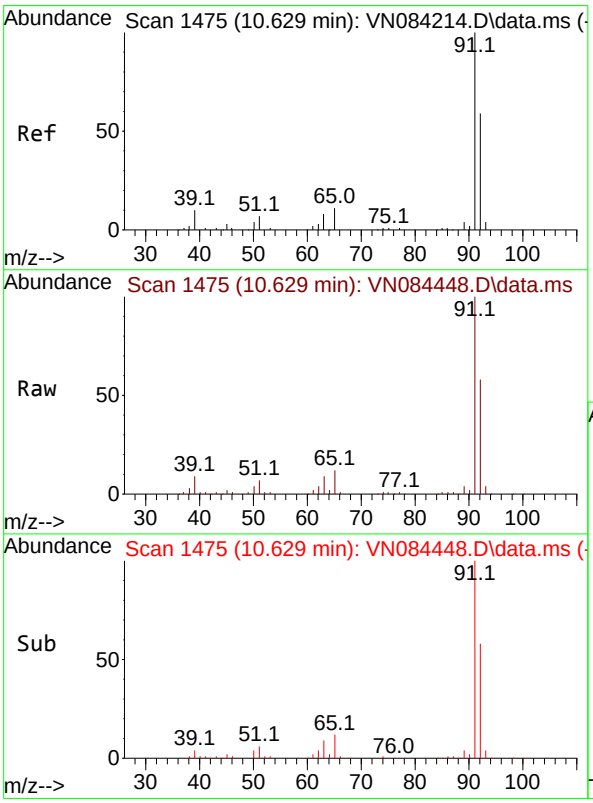
#51
4-Methyl-2-Pentanone
Concen: 268.874 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 708662

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4

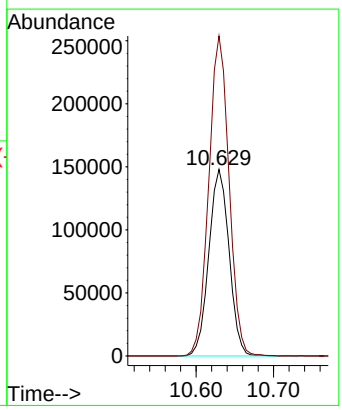


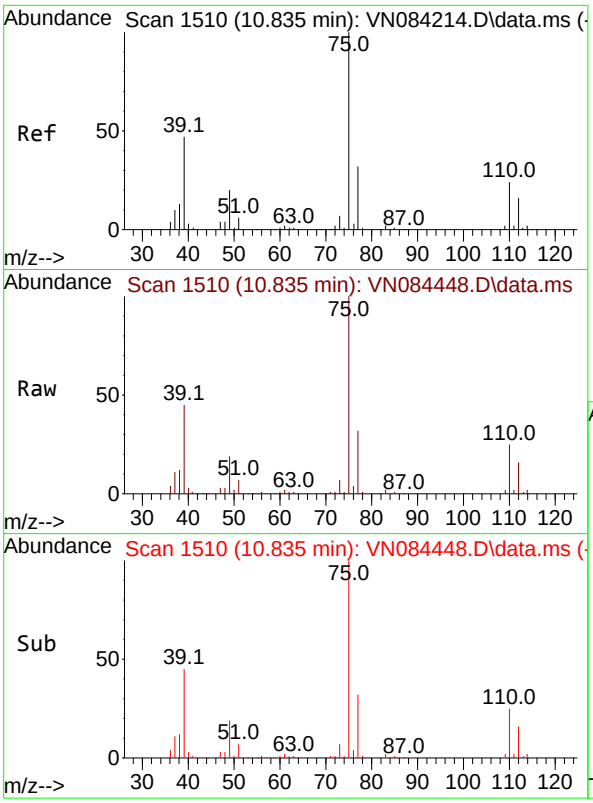


#52
Toluene
Concen: 52.382 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 92 Resp: 268587

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9



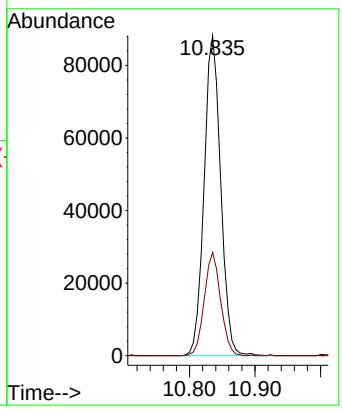


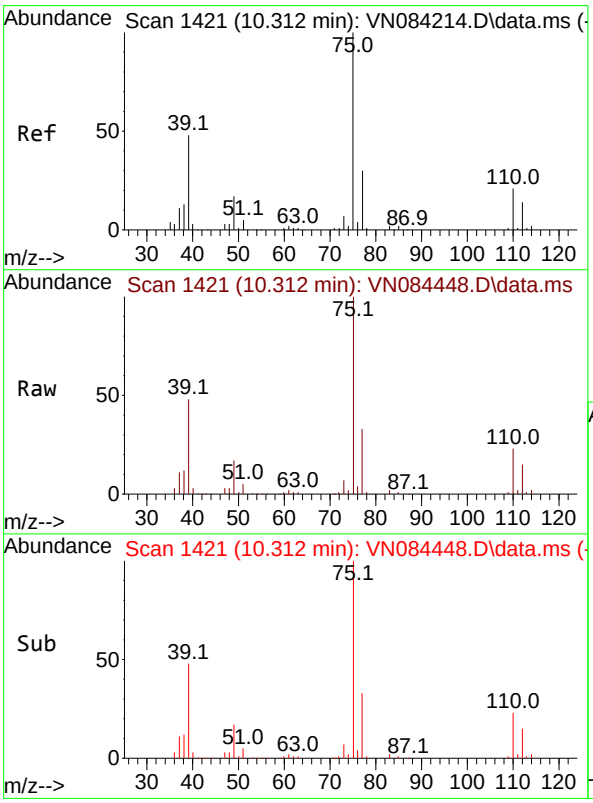
#53
t-1,3-Dichloropropene
Concen: 51.089 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 155308

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

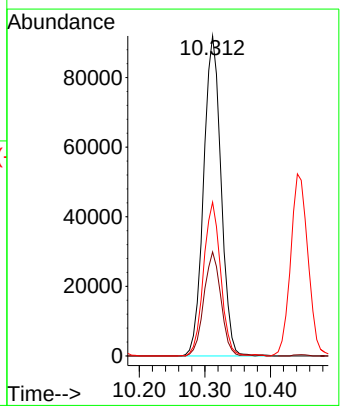


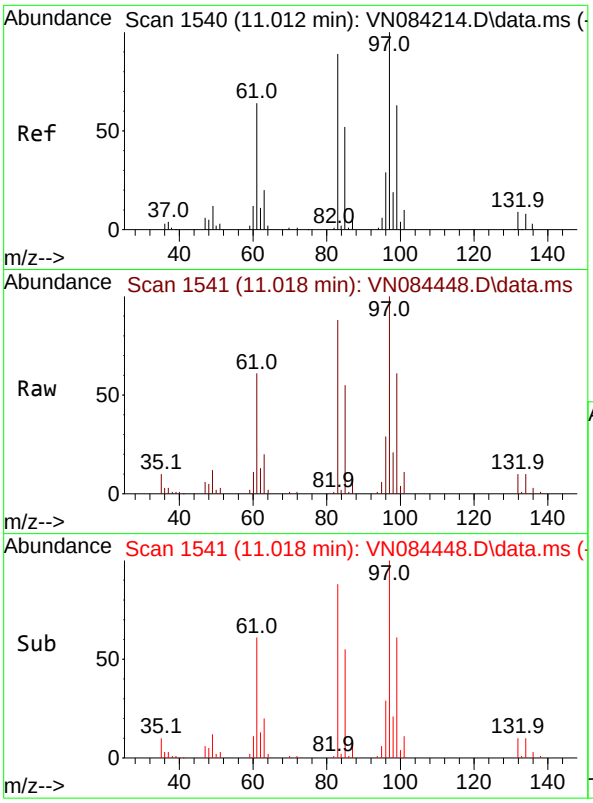


#54
cis-1,3-Dichloropropene
Concen: 52.057 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 170218

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	48.0	38.7	58.1



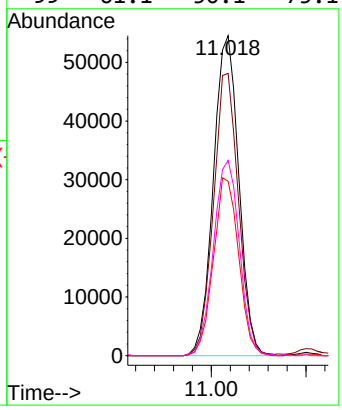


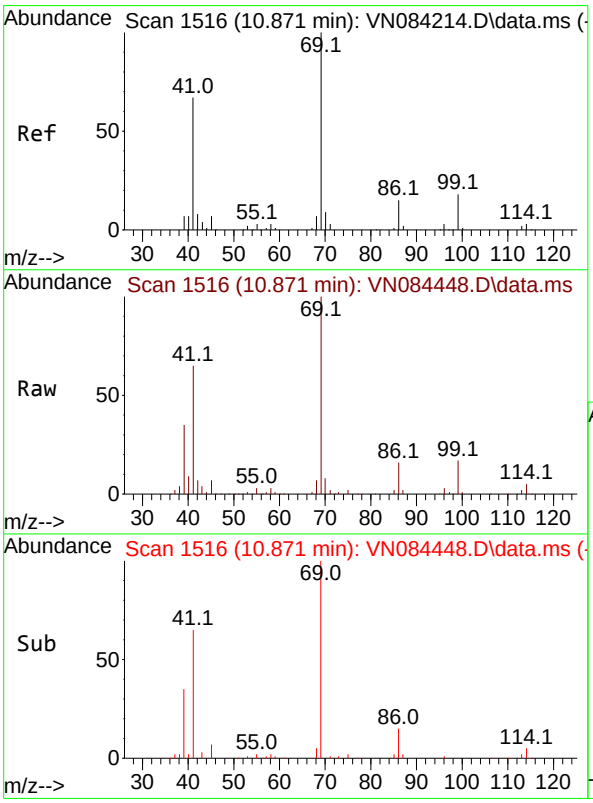
#55
1,1,2-Trichloroethane
Concen: 55.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 101779

Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.0	106.4
85	54.5	41.7	62.5
99	61.1	50.1	75.1

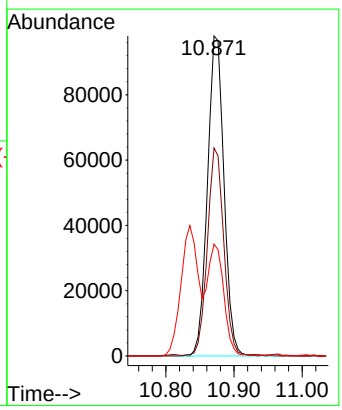


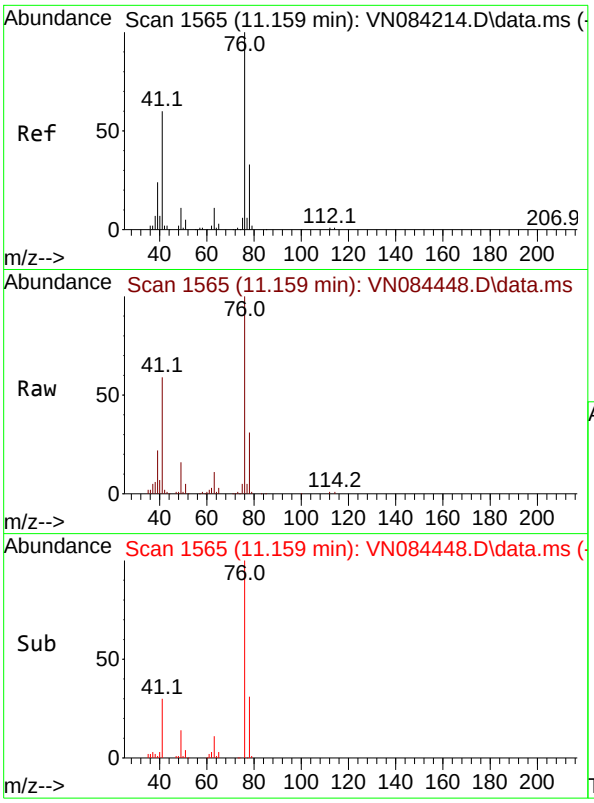


#56
Ethyl methacrylate
Concen: 54.658 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 69 Resp: 165318

Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.3	79.9
39	34.8	28.8	43.2



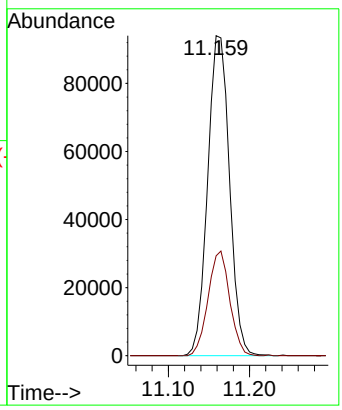


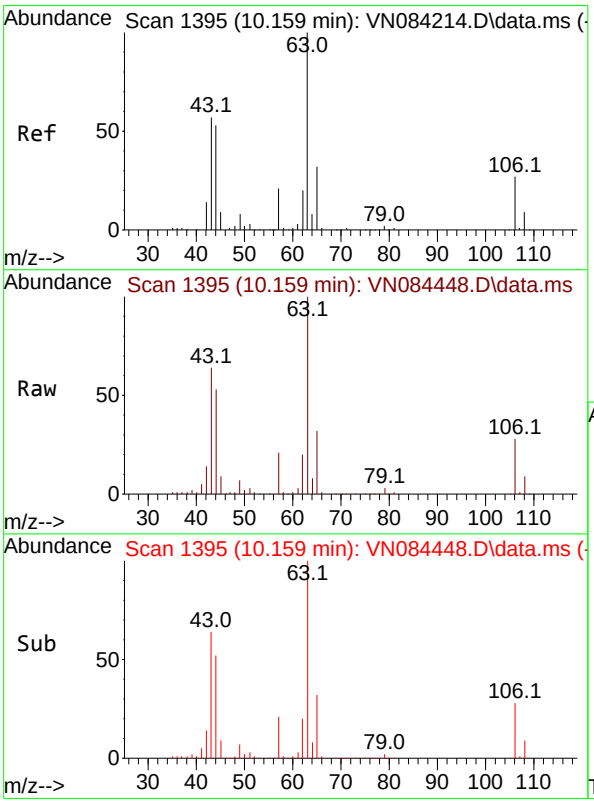
#57
1,3-Dichloropropane
Concen: 53.424 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 175471

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

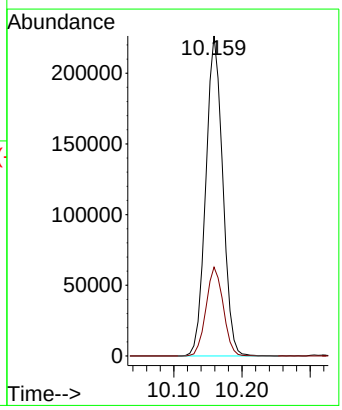


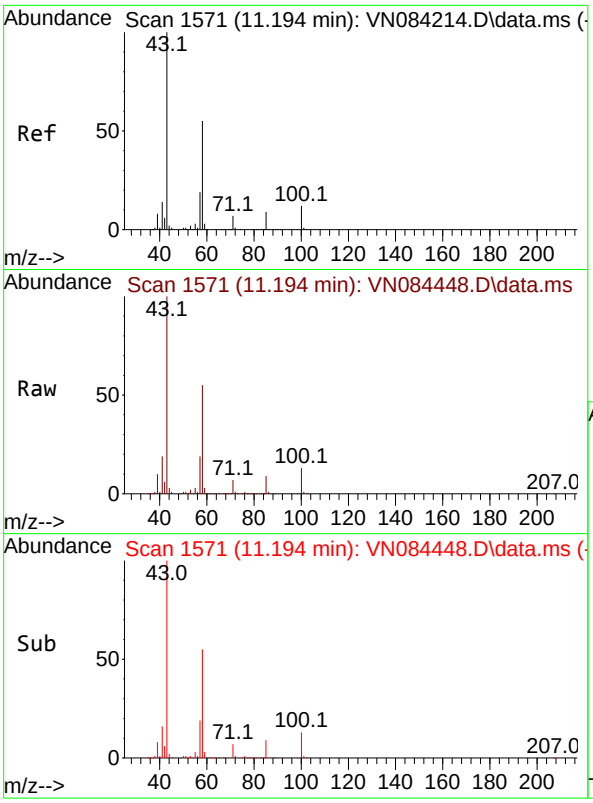


#58
2-Chloroethyl Vinyl ether
Concen: 278.254 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 63 Resp: 390411

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



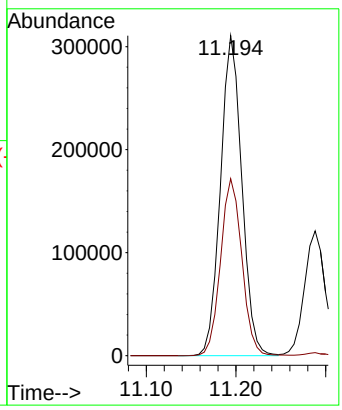


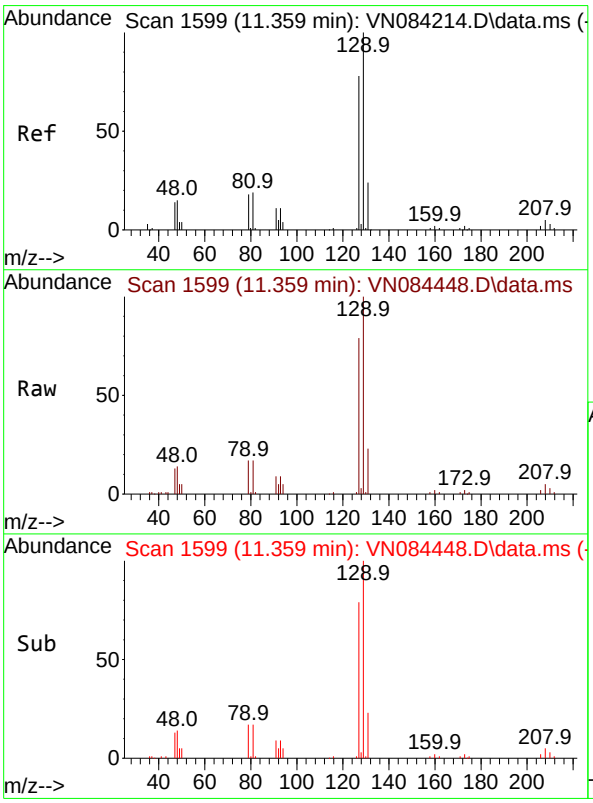
#59
2-Hexanone
Concen: 260.410 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 512990

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8

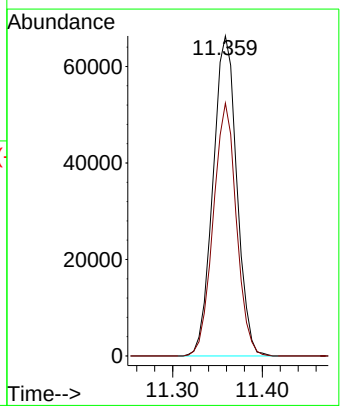


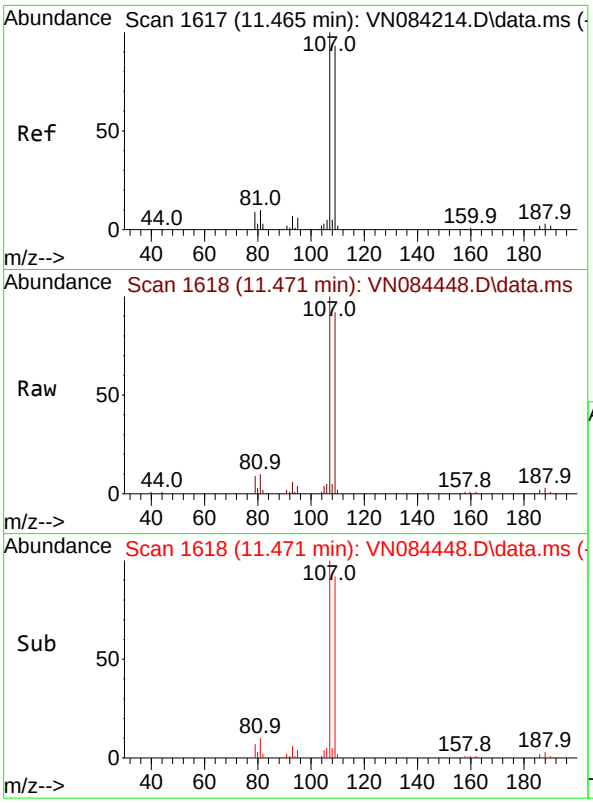


#60
Dibromochloromethane
Concen: 56.277 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:129 Resp: 122224

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9



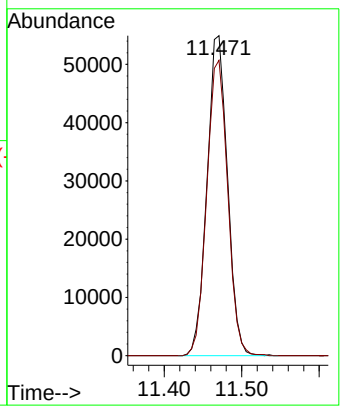


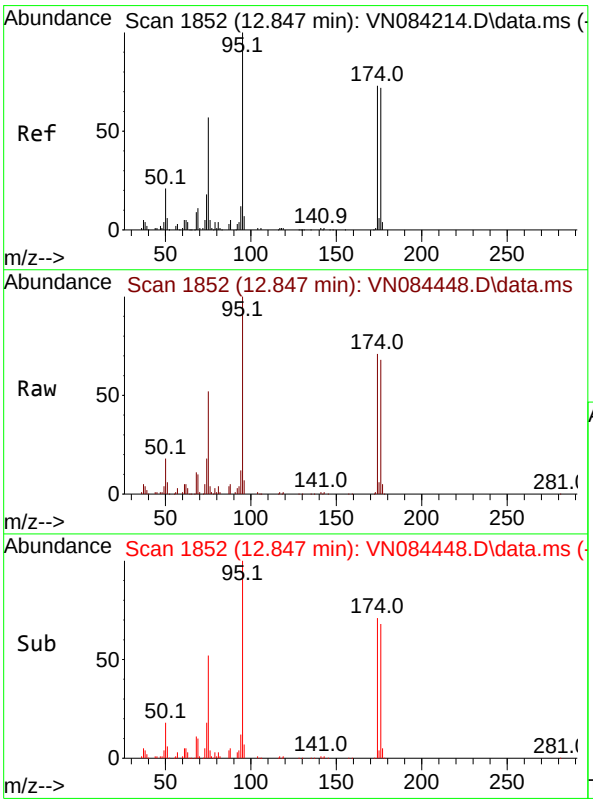
#61
1,2-Dibromoethane
Concen: 52.872 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 100984

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

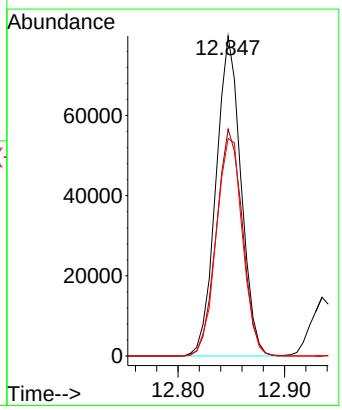


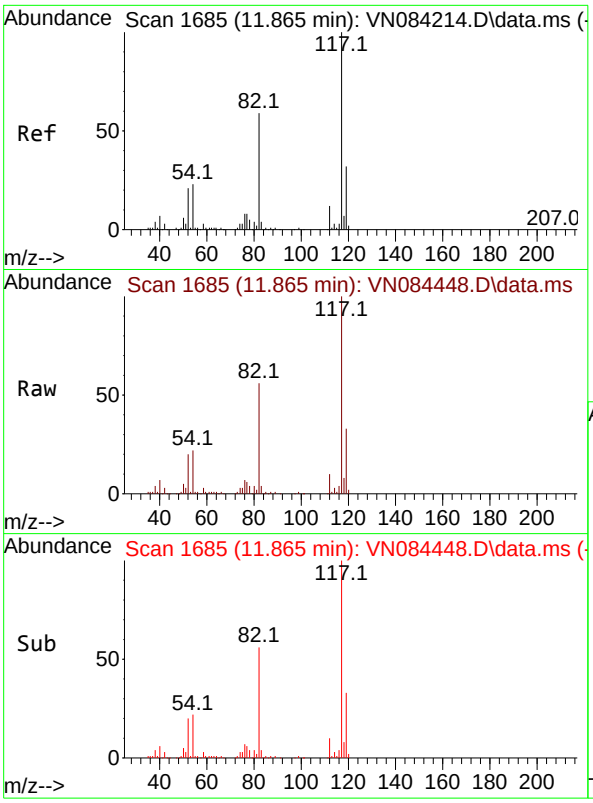


#62
4-Bromofluorobenzene
Concen: 52.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 95 Resp: 129892

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	72.0	0.0	140.0



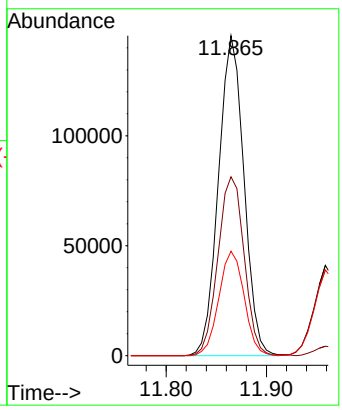


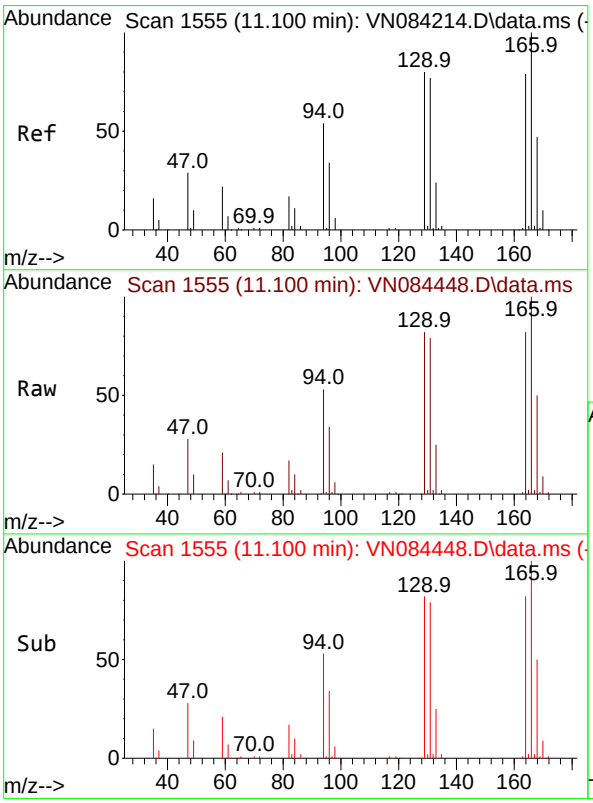
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 256750

Ion	Ratio	Lower	Upper
117	100		
82	55.9	47.2	70.8
119	32.6	25.4	38.0

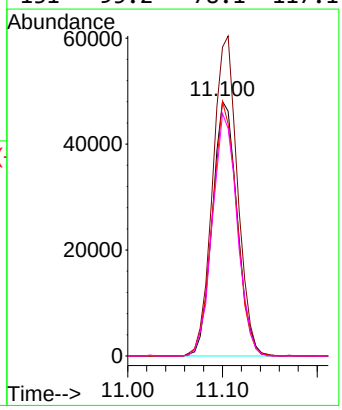


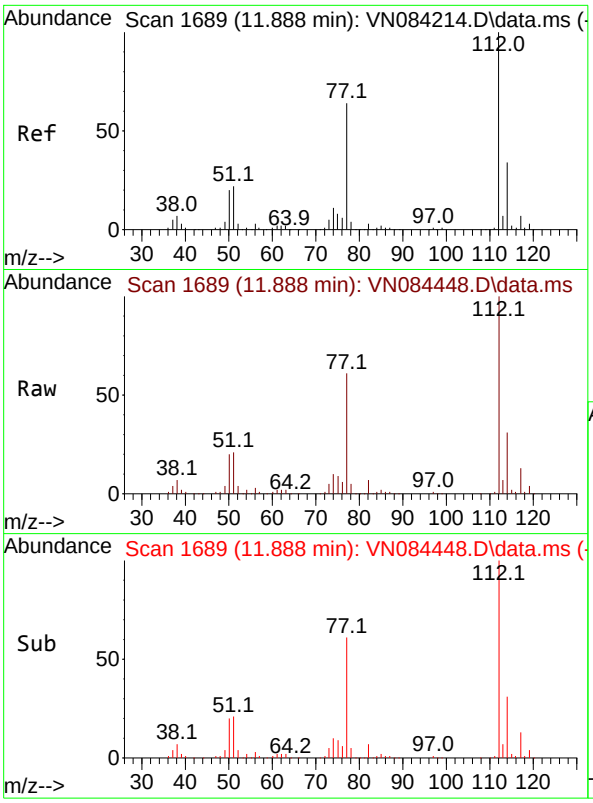


#64
Tetrachloroethene
Concen: 48.943 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:164 Resp: 87525

Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.0	151.4
129	99.9	80.8	121.2
131	95.2	78.1	117.1



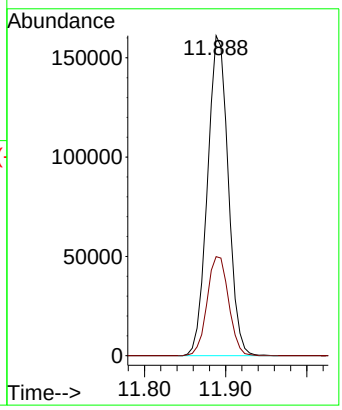


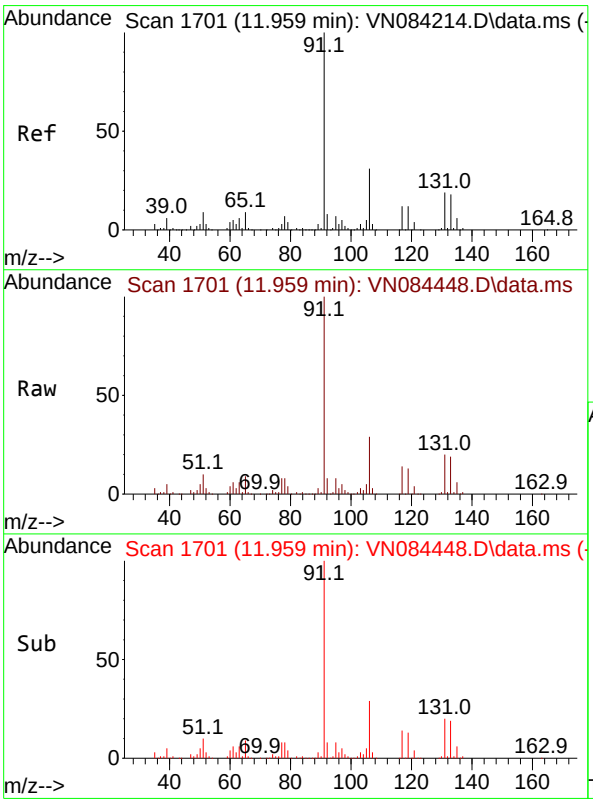
#65
Chlorobenzene
Concen: 50.105 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 285234

Ion	Ratio	Lower	Upper
112	100		
114	30.9	27.0	40.6

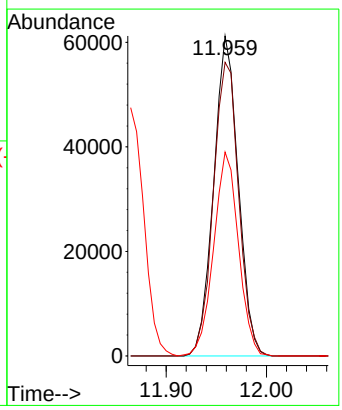


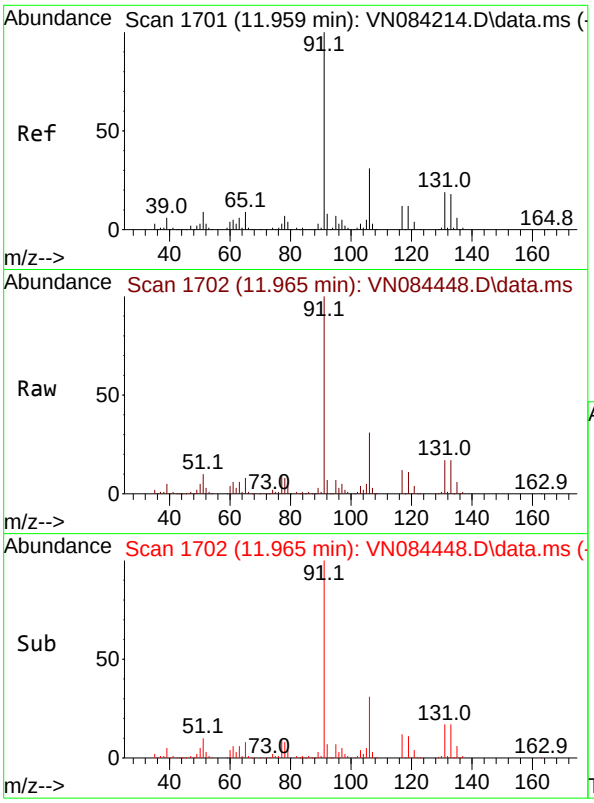


#66
1,1,1,2-Tetrachloroethane
Concen: 53.075 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:131 Resp: 104070

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.7
119	64.4	32.8	98.3



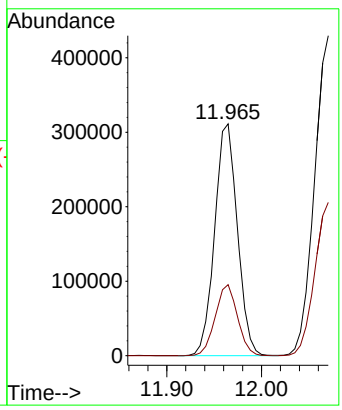


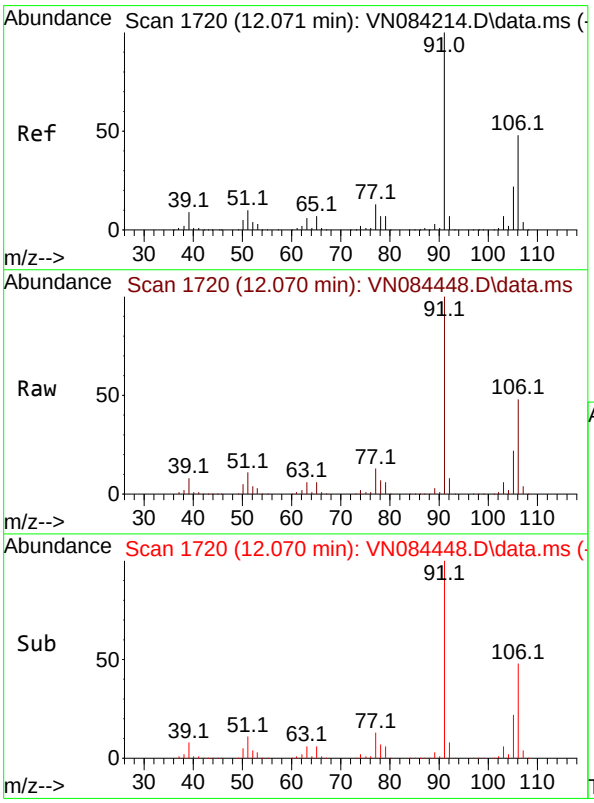
#67
Ethyl Benzene
Concen: 51.533 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 518810

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7

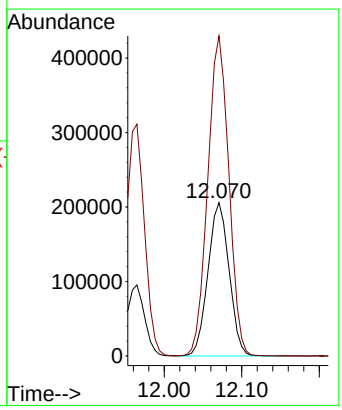


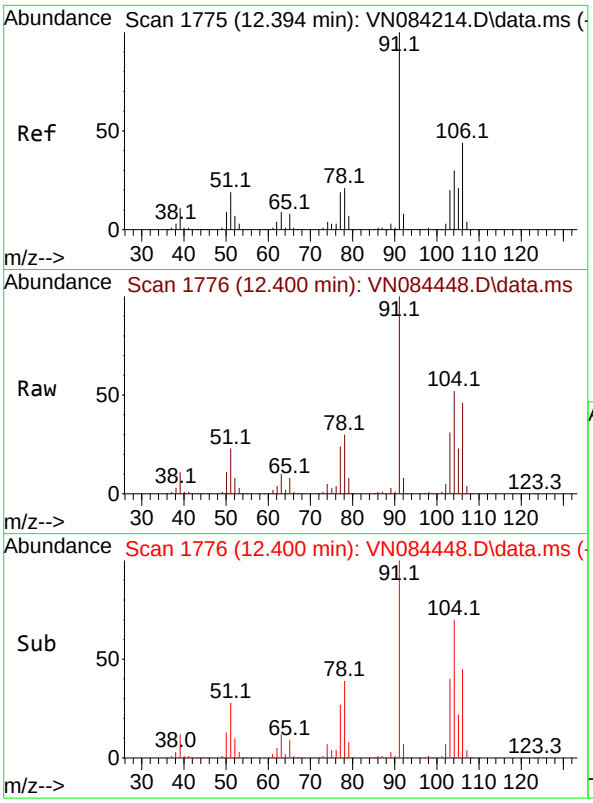


#68
m/p-Xylenes
Concen: 104.492 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:106 Resp: 389131

Ion	Ratio	Lower	Upper
106	100		
91	208.9	167.1	250.7



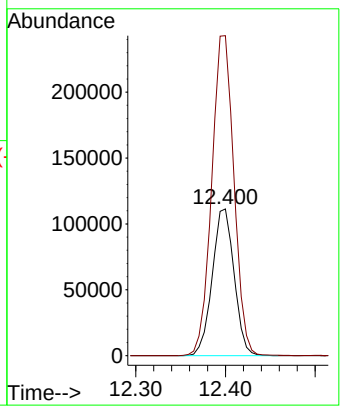


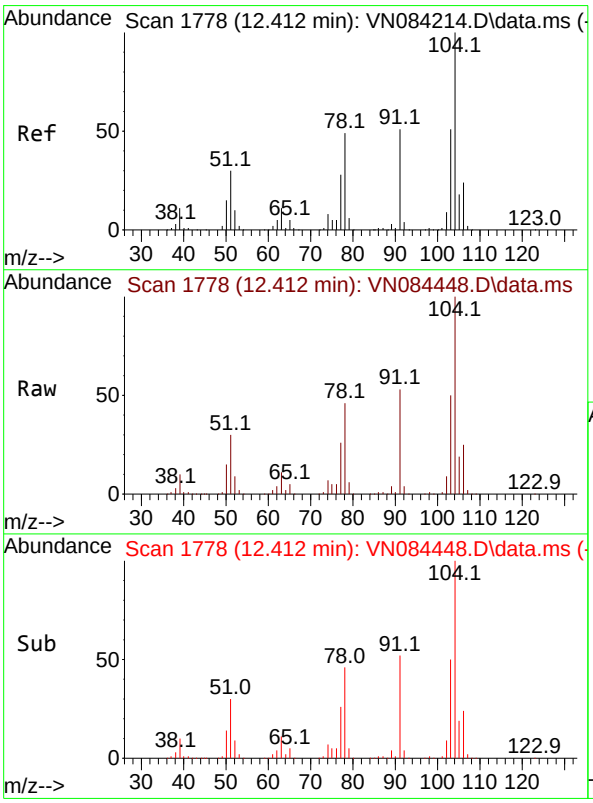
#69
o-Xylene
Concen: 53.503 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 188510

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6

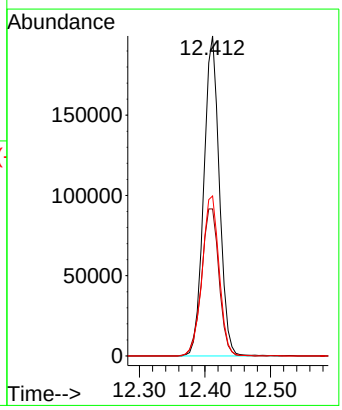


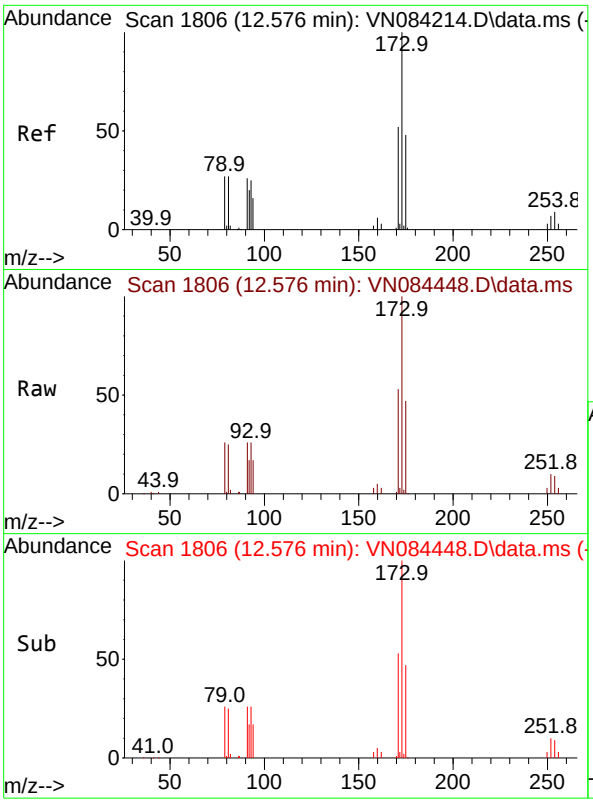


#70
Styrene
Concen: 55.268 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:104 Resp: 329833

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.3	43.6	65.4



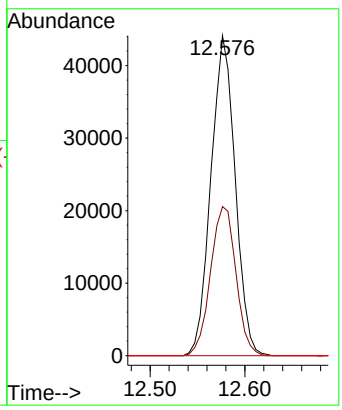


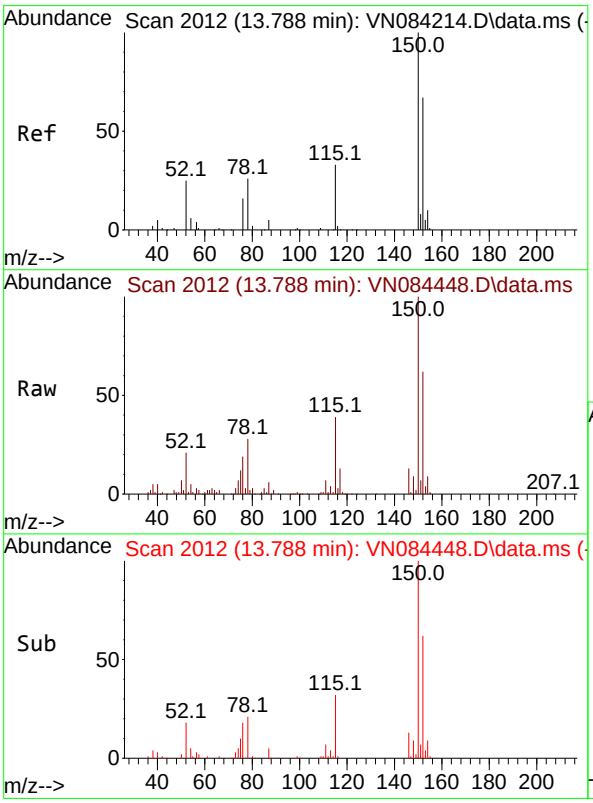
#71
Bromoform
Concen: 54.365 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 78482

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.0	0.0	0.0

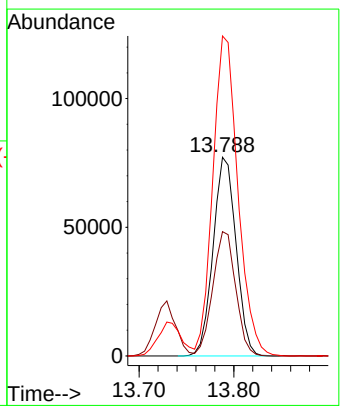


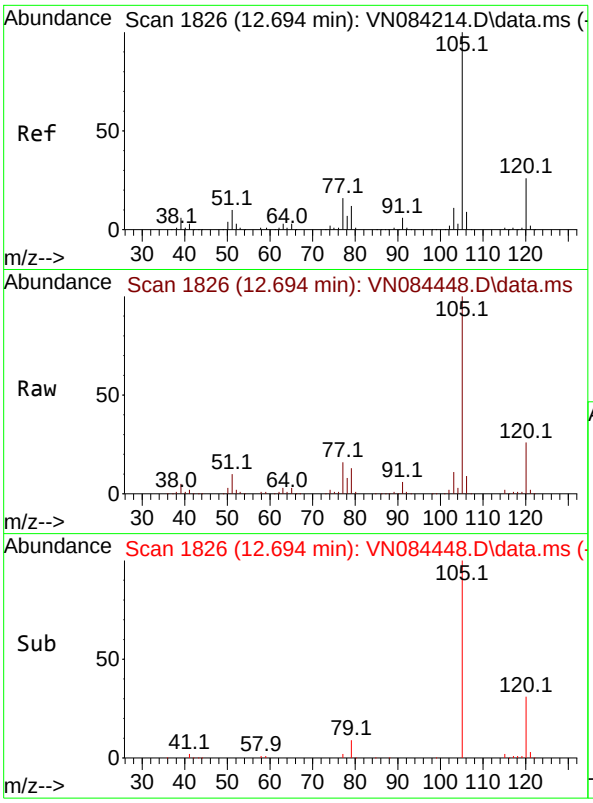


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:152 Resp: 130386

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	175.6	0.0	349.8



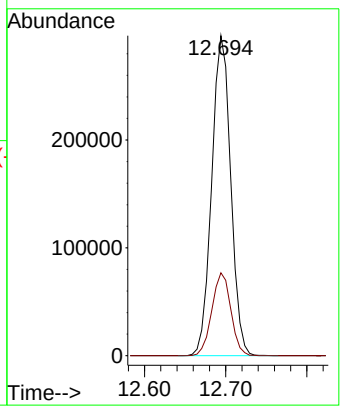


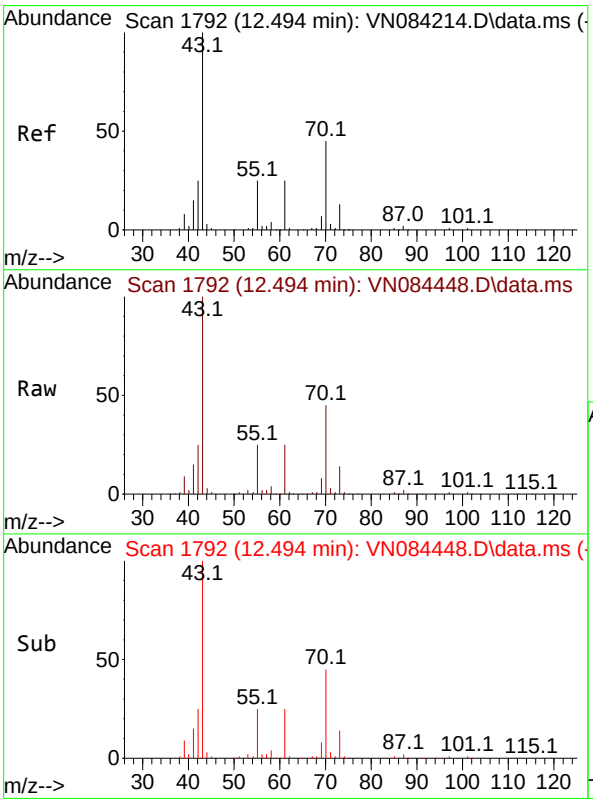
#73
Isopropylbenzene
Concen: 48.507 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 482626

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

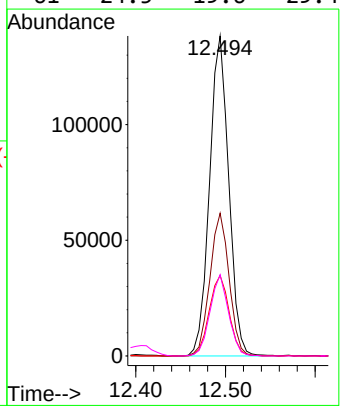


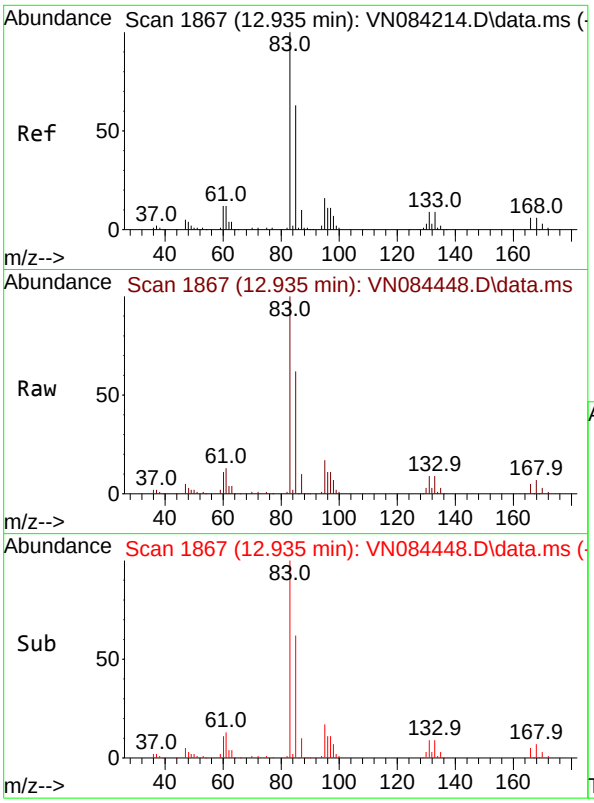


#74
N-amyl acetate
Concen: 45.614 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 43 Resp: 205514

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.4	51.6
55	26.1	19.6	29.4
61	24.5	19.6	29.4



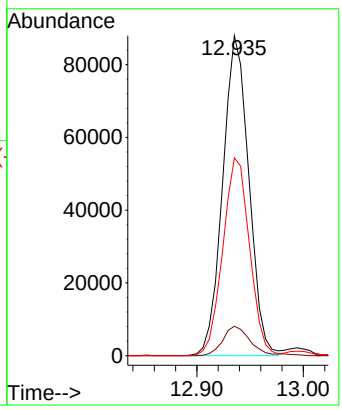


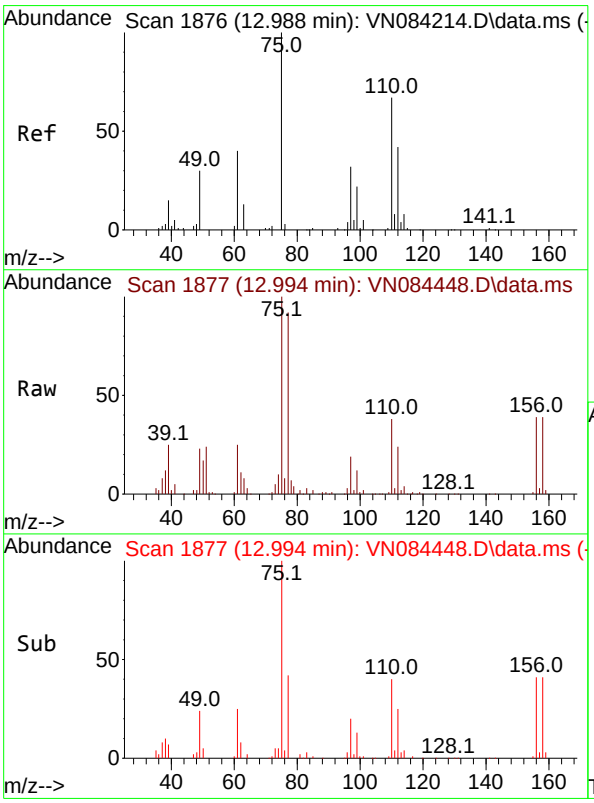
#75
1,1,2,2-Tetrachloroethane
Concen: 50.155 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 150053

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.2	31.9	95.7

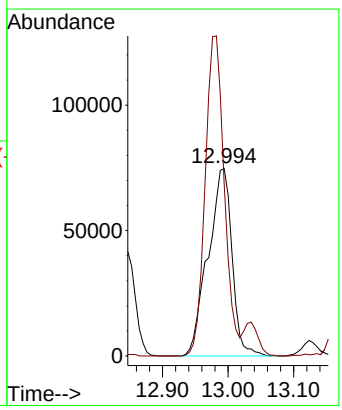


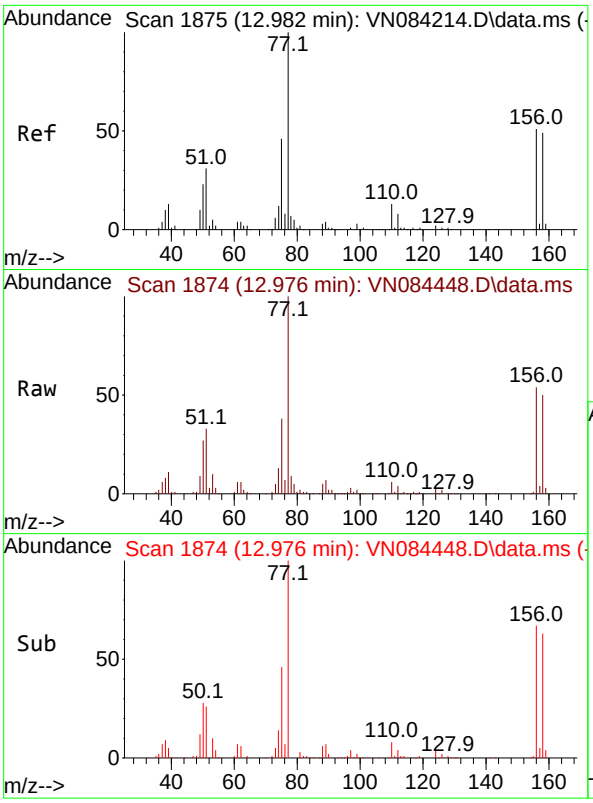


#76
1,2,3-Trichloropropane
Concen: 71.291 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 189767

Ion	Ratio	Lower	Upper
75	100		
77	136.2	96.9	290.7



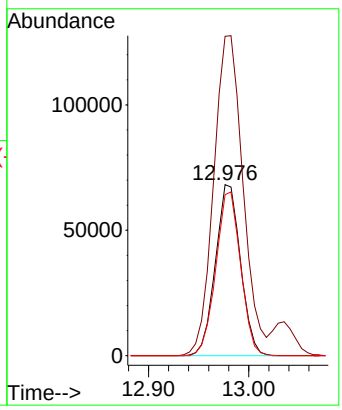


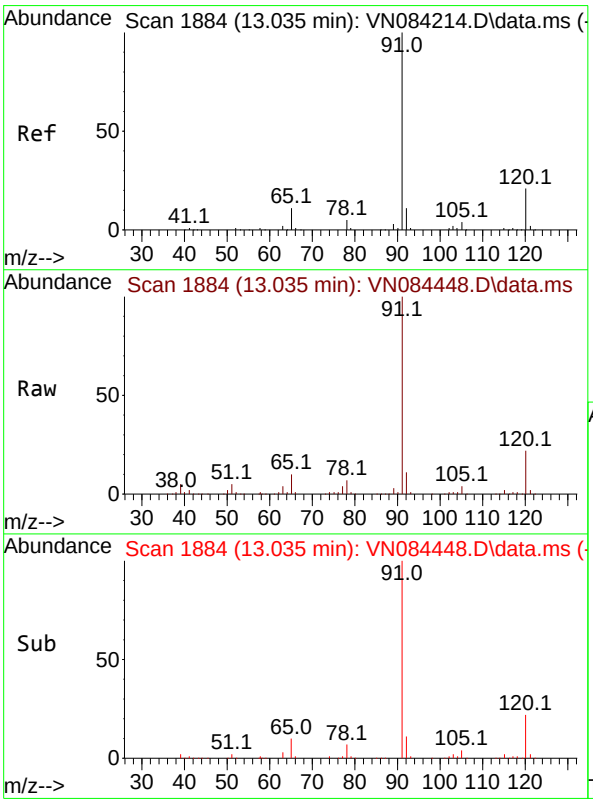
#77
Bromobenzene
Concen: 49.239 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 118173

Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	94.5	48.9	146.8

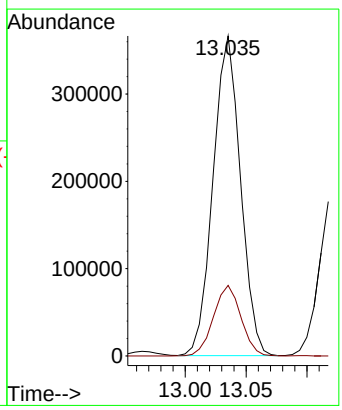


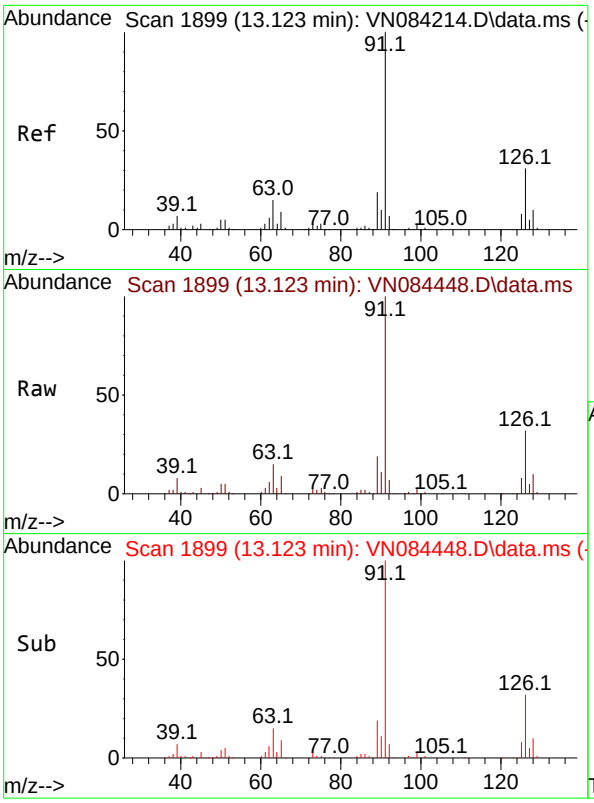


#78
n-propylbenzene
Concen: 49.748 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 91 Resp: 573481

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



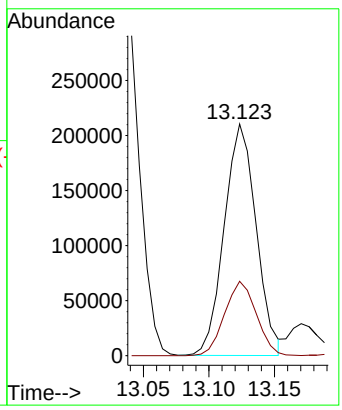


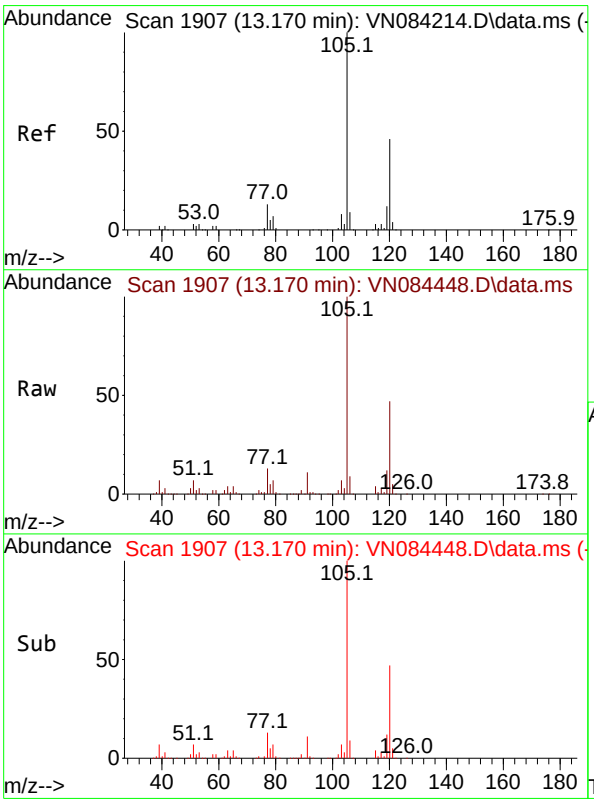
#79
2-Chlorotoluene
Concen: 48.450 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 356393

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

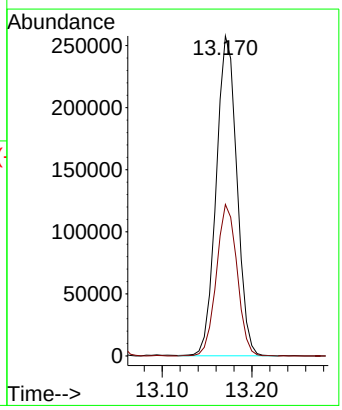


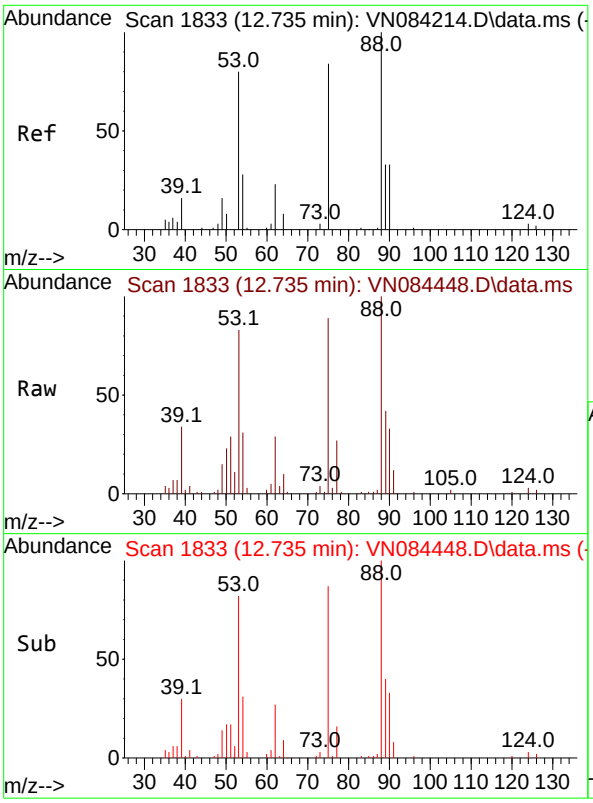


#80
1,3,5-Trimethylbenzene
Concen: 50.681 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:105 Resp: 411332

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1



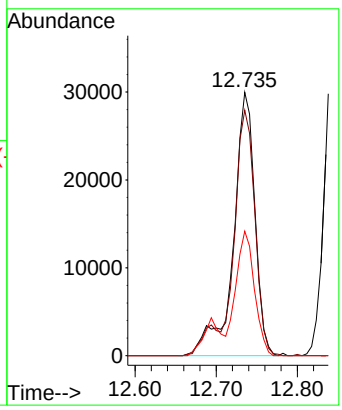


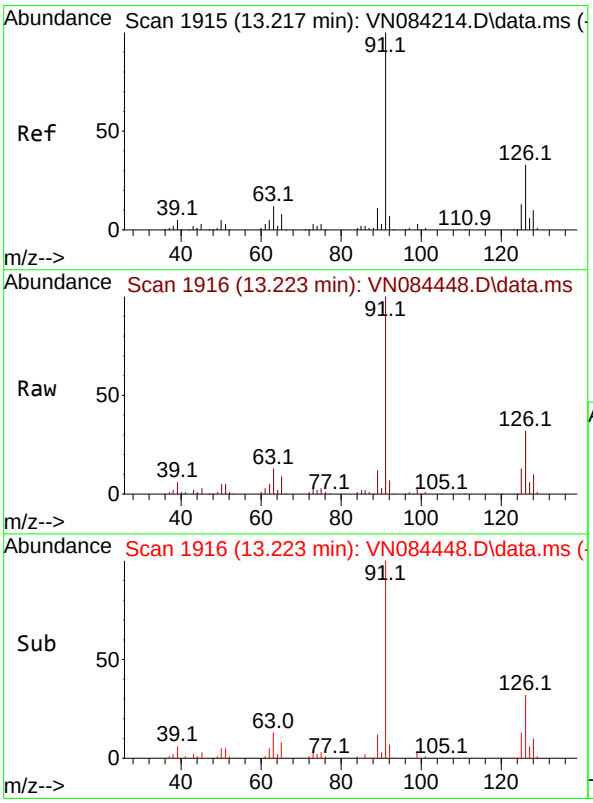
#81
trans-1,4-Dichloro-2-butene
Concen: 49.901 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 55404

Ion	Ratio	Lower	Upper
75	100		
53	85.1	78.0	117.0
89	40.5	35.5	53.3

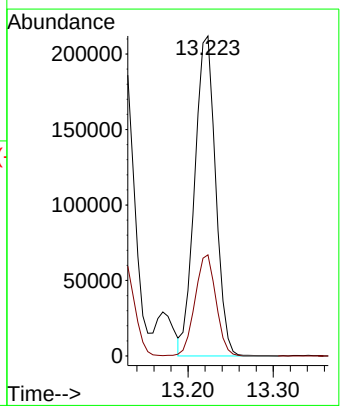


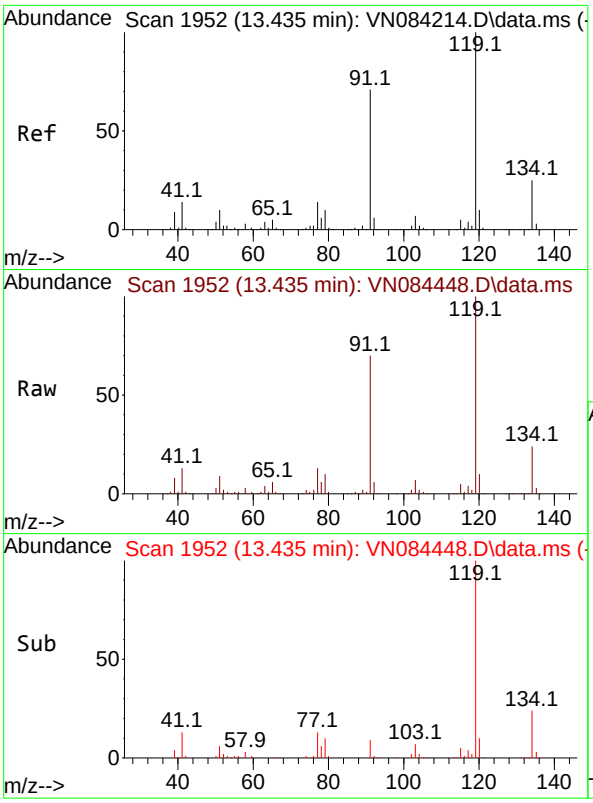


#82
4-Chlorotoluene
Concen: 48.730 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 91 Resp: 360840

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



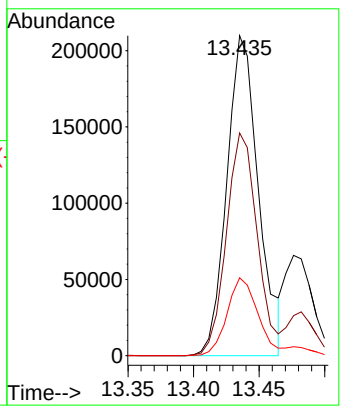


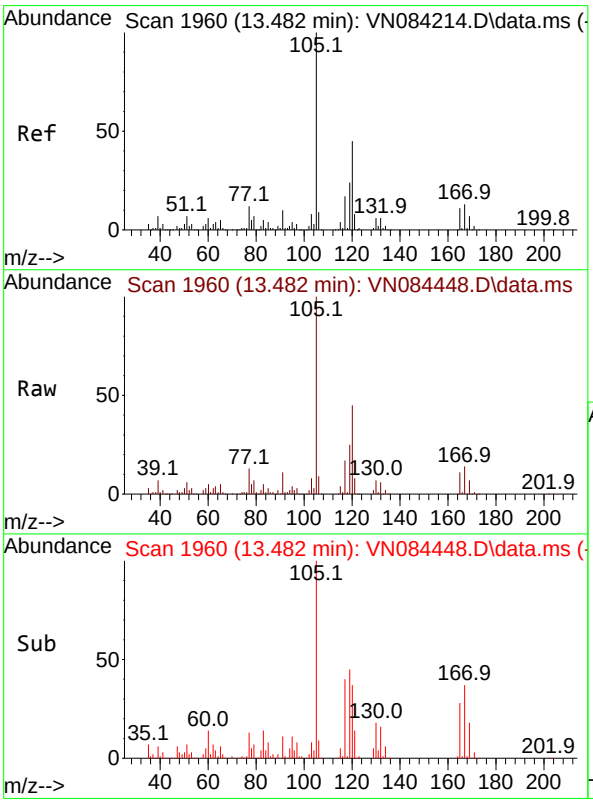
#83
tert-Butylbenzene
Concen: 48.923 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 352909

Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	24.0	12.8	38.4

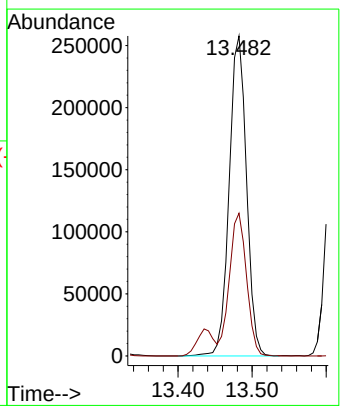


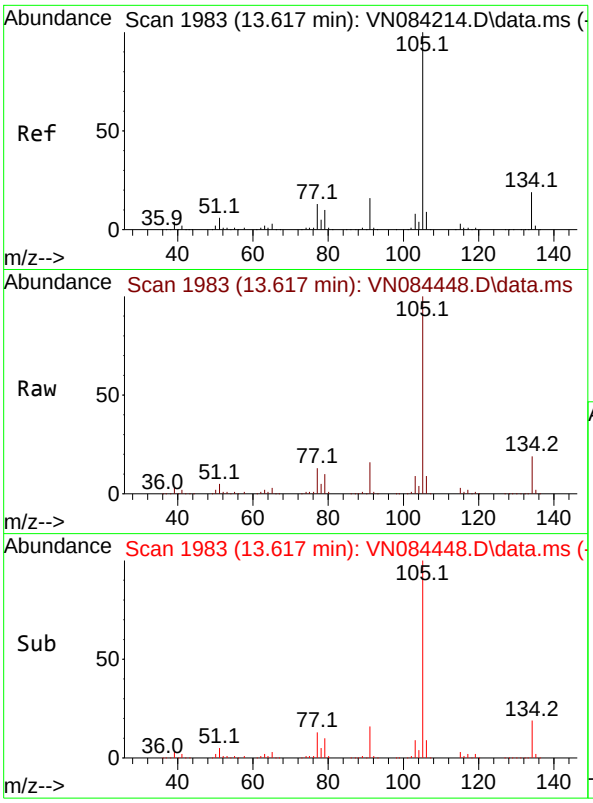


#84
1,2,4-Trimethylbenzene
Concen: 50.992 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:105 Resp: 416913

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8



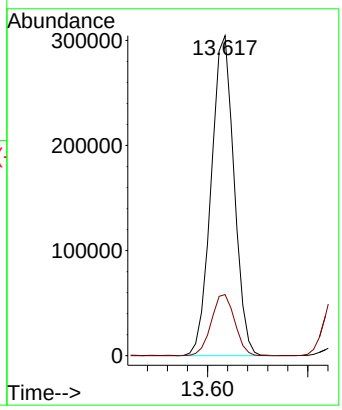


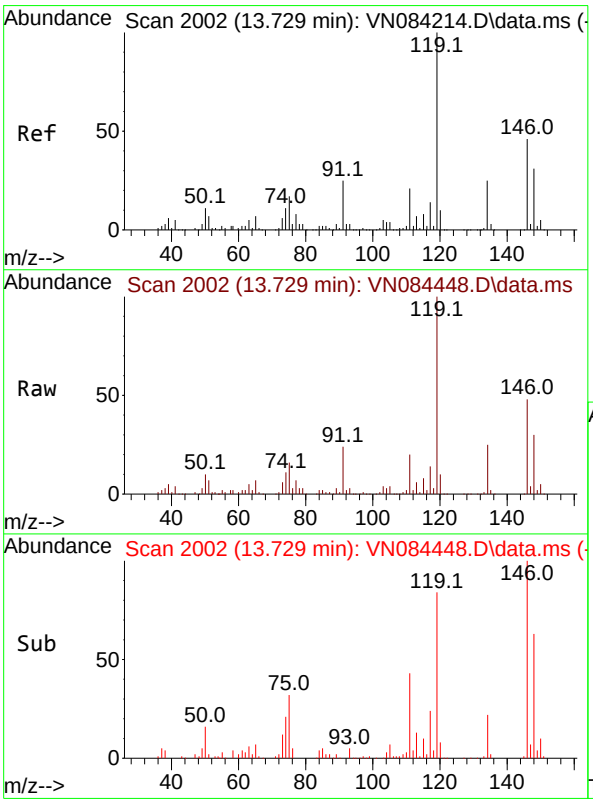
#85
sec-Butylbenzene
Concen: 50.124 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 482488

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

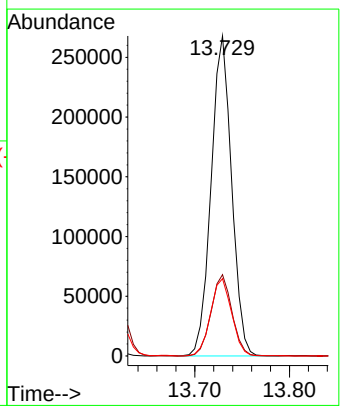


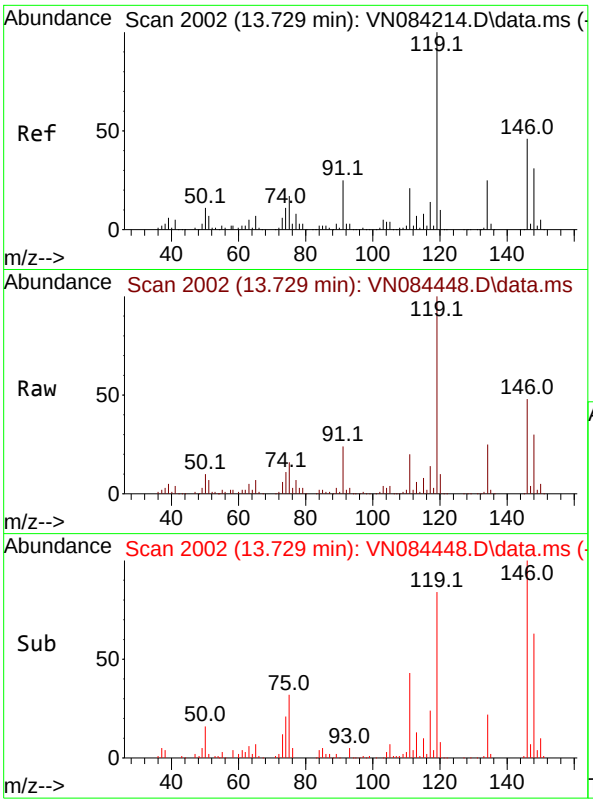


#86
p-Isopropyltoluene
Concen: 50.755 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:119 Resp: 404005

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.9	12.4	37.2



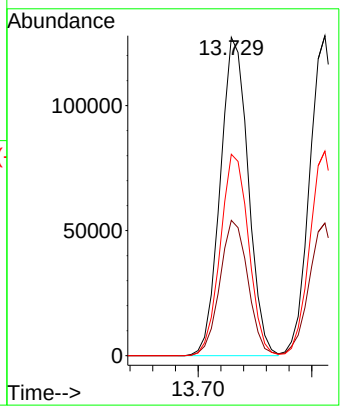


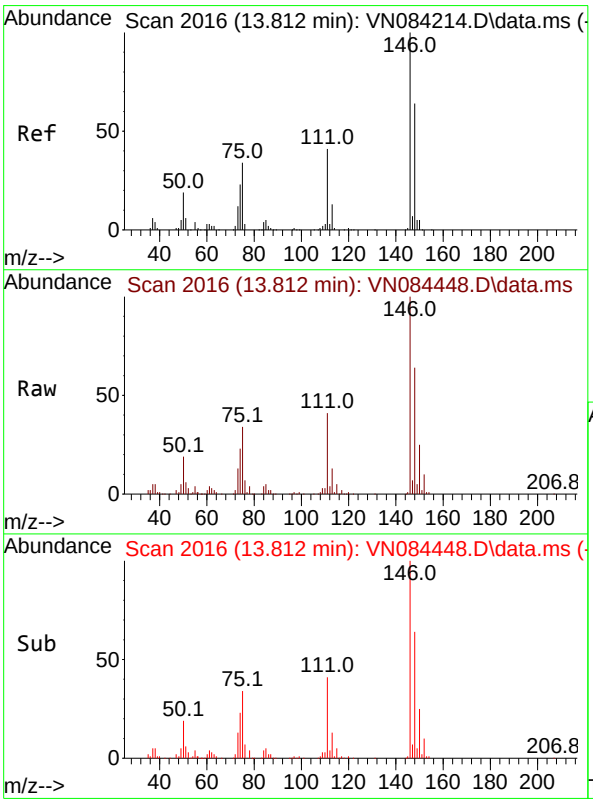
#87
1,3-Dichlorobenzene
Concen: 48.345 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 217666

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.9	31.9	95.7

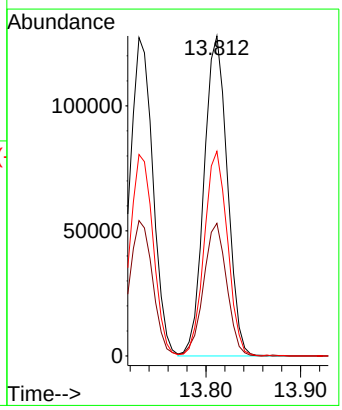


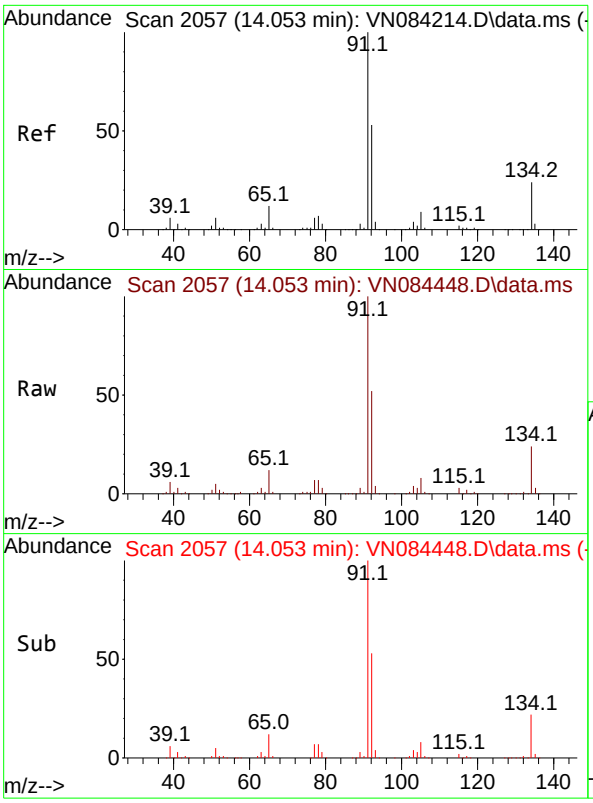


#88
1,4-Dichlorobenzene
Concen: 48.056 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:146 Resp: 218499

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	63.8	31.9	95.9



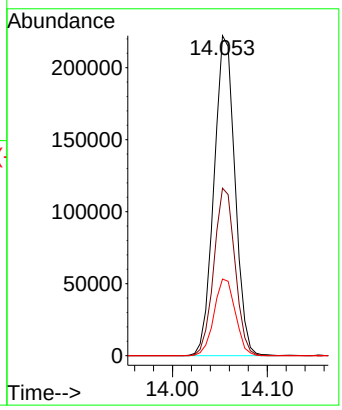


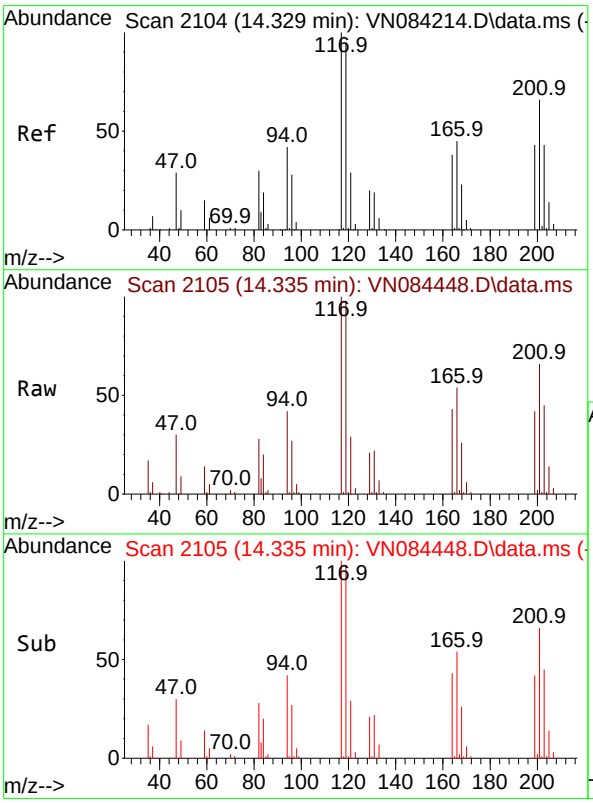
#89
n-Butylbenzene
Concen: 47.437 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 342382

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	24.3	12.3	36.9

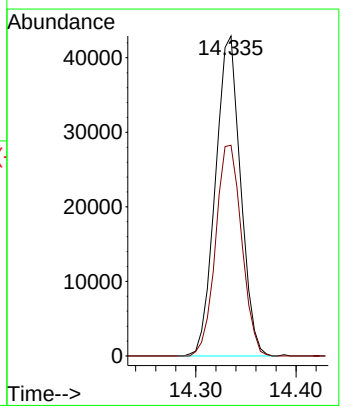


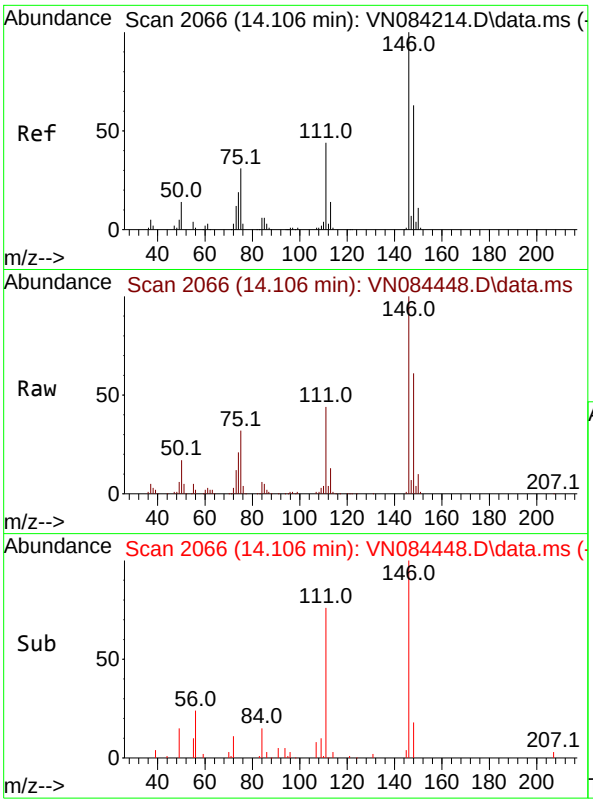


#90
Hexachloroethane
Concen: 46.151 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:117 Resp: 74567

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.4	103.2



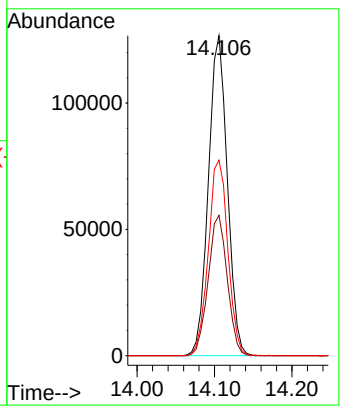


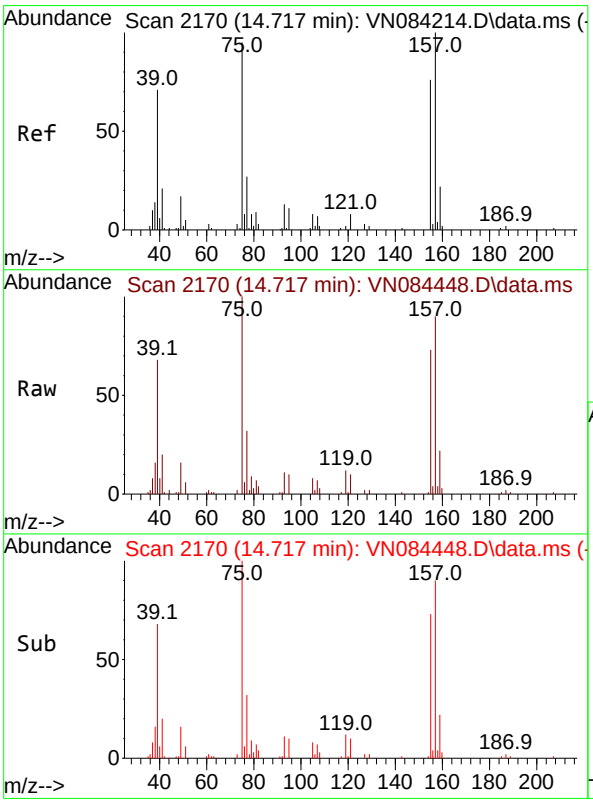
#91
1,2-Dichlorobenzene
Concen: 48.690 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 214956

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	62.9	32.1	96.3

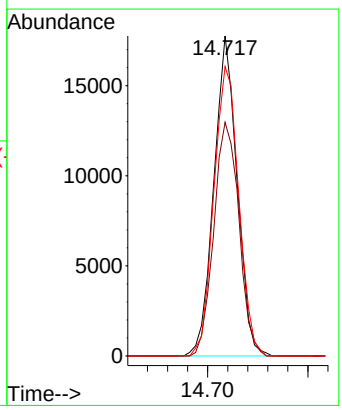


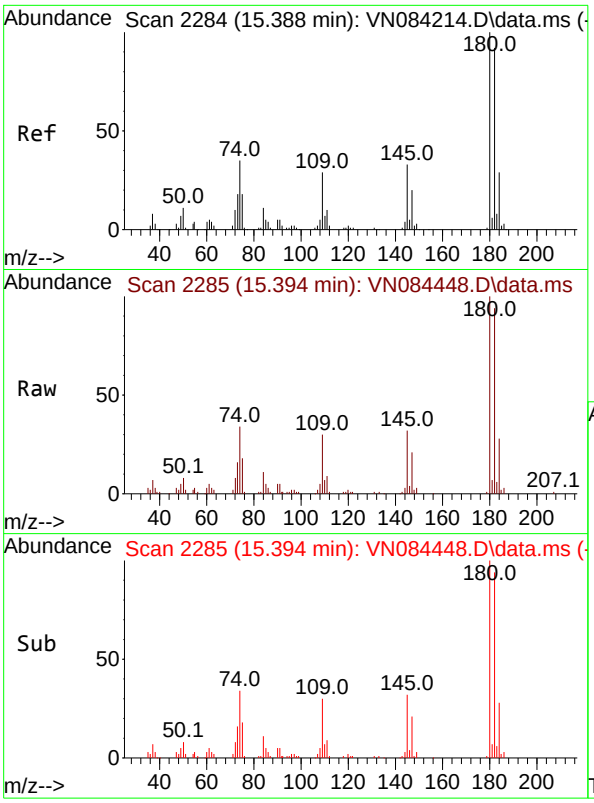


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.312 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion: 75 Resp: 28592

Ion	Ratio	Lower	Upper
75	100		
155	78.9	38.1	114.5
157	96.6	49.6	149.0



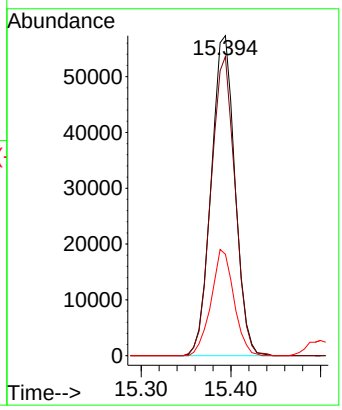


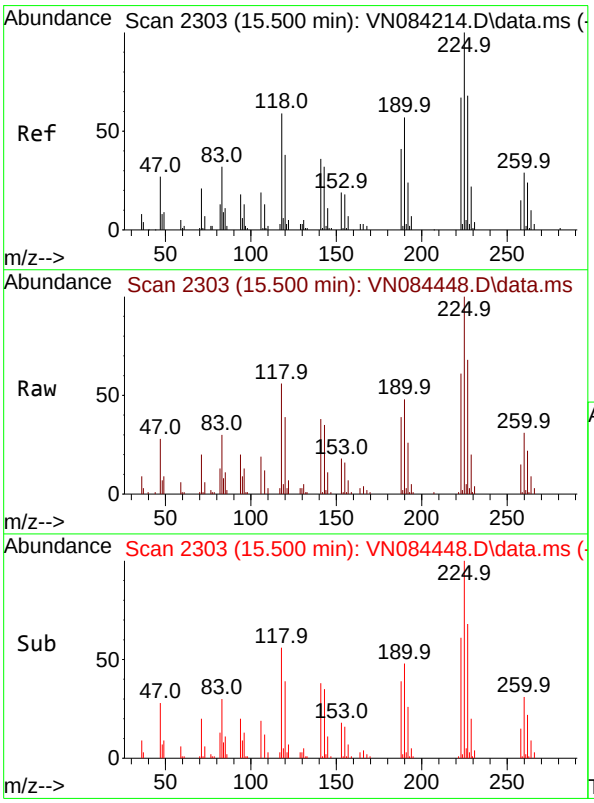
#93
1,2,4-Trichlorobenzene
Concen: 48.359 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 105156

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	31.9	16.4	49.4

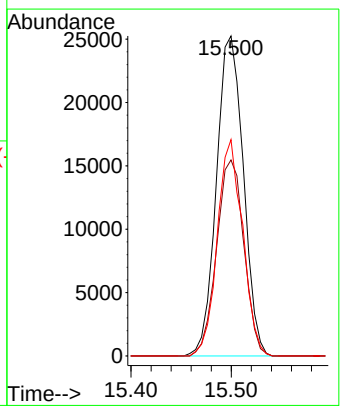


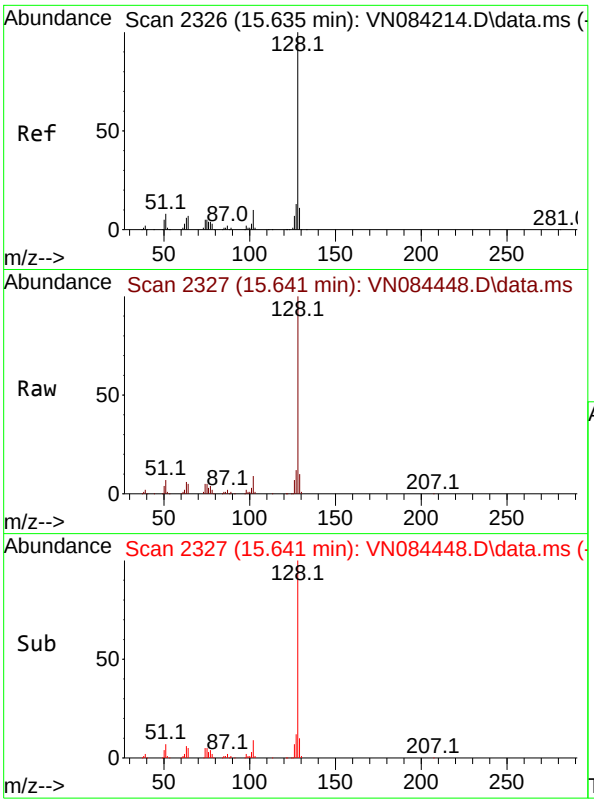


#94
Hexachlorobutadiene
Concen: 43.364 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:225 Resp: 47024

Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.4	97.2
227	63.8	32.4	97.0



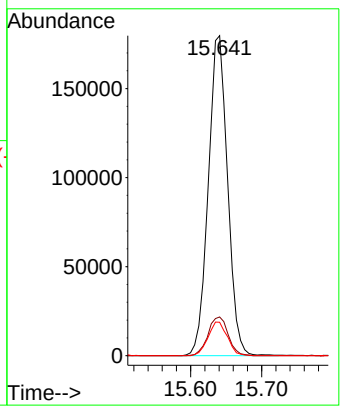


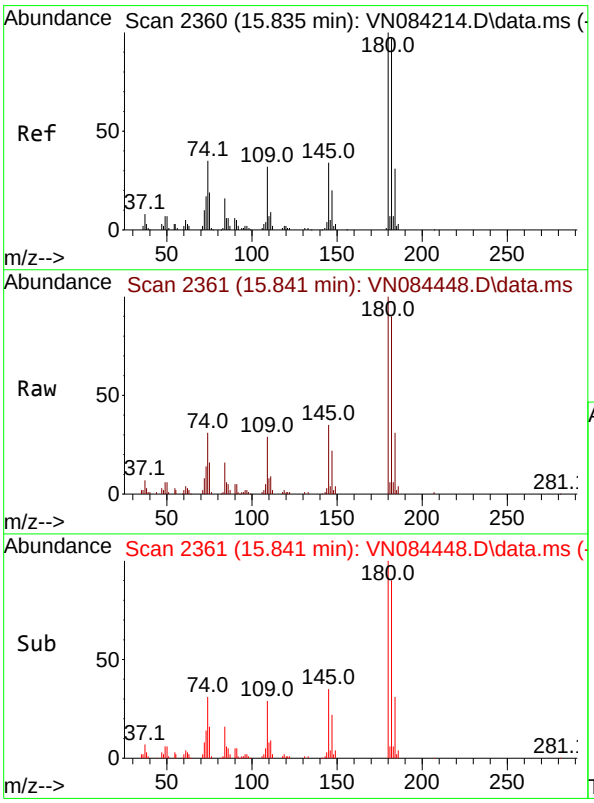
#95
Naphthalene
Concen: 46.938 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 338368

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.5	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 47.602 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084448.D
Acq: 21 Oct 2024 20:04

Tgt Ion:180 Resp: 103615

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.2	144.6
145	35.1	17.3	51.9

